



Kane County

KC Finance and Budget Committee

Agenda

Government Center
719 S. Batavia Ave., Bldg. A
Geneva, IL 60134

BERMAN, Lenert, Juby, Lewis, Sanchez, Surges, Tepe & ex-officios Pierog (County Chair)

Wednesday, September 27, 2023 **9:00 AM** **County Board Room**

1. **Call To Order**
2. **Roll Call**
3. **Remote Attendance Requests**
4. **Approval of Minutes: August 23, 2023**
5. **Public Comment (Agenda Items)**
6. **Treasurer's Report (C. Lauzen)**
 - A. Monthly Report (attached)
 - B. FY24 Treasurer Budget Presentation
7. **Finance Director's Report (K. Hopkinson)**
 - A. Monthly Finance Reports (attached)
 - B. FY24 Finance Budget Presentation
8. **Auditor's Report (P. Wegman)**
 - A. Monthly Report (attached)
 - B. FY24 Auditor Budget Presentation
 - C. **Resolution:** Approving August 2023 Claims Paid
9. **New Business**
 - A. **Resolution:** Authorizing the Salary Adjustment for the Executive Director of Kane County Emergency Communications
 - B. **Resolution:** Authorizing the Kane County Sheriff's Office New Administration Wing Project and a Budget Adjustment to the Capital Fund
 - C. **Resolution:** Authorizing Gymnasium Floor Replacement at the Juvenile Justice Center
 - D. **Resolution:** Authorizing Creation of Boyer Road Special Service Area Fund #5315

- E. **Resolution:** Authorizing the Finance Department to Contract with JP Morgan Chase Bank, N.A. of Chicago, IL for the Procurement Credit Card Program
- F. **Resolution:** Authorization of a Contract for Kane County Generator Maintenance Services
- G. **Resolution:** Authorizing a Contract Extension for a Water Testing Firm for the Judicial Center Campus with Phigenics Independent Water Management of Warrenville, IL
- H. **Resolution:** Authorizing a Contract Extension for a Water Operator for the Judicial Center Campus with Sheaffer and Roland of Geneva, IL
- I. **Resolution:** Authorizing a Contract for Building Management Snow Plowing Services
- J. **Resolution:** Authorizing a Contract for Kane County Electrician Services
- K. **Resolution:** Authorizing a Contract for Fire Protection Services
- L. **Resolution:** Authorizing a Contract for Cloud Based Community Communication Center - TTEC Digital Services
- M. **Resolution:** Authorizing an Agreement for Mill Creek Special Service Area Snow Plowing Services
- N. **Resolution:** Authorization for Mill Creek Parkway Tree Installation Services Contract Extension
- O. **Resolution:** Authorizing Contract Extension for Bottled Water Service
- P. **Resolution:** Authorizing the Extension for Landscape Maintenance Service for the Mill Creek Special Service Area
- Q. **Resolution:** Authorizing an Extension of Concrete Lifting and Repair Services Agreement for the Mill Creek Special Service Area
- R. **Resolution:** Authorizing the Child Protection Data Courts Grant
- S. **Resolution:** Authorizing Additional Expenditure of Funds for Online Marketplace and Maintenance, Repair, and Operations (MRO) Supplies & Equipment
- T. **Resolution:** Authorizing Expenditure of Funds for Multi-Function Copier Devices, Service Solutions, Print Goods, and Service Renewal
- U. **Resolution:** Authorizing Expenditure of Funds for Copiers, Printers, and Related Services Renewal
- V. **Resolution:** Authorizing Expenditure of Funds for Copiers, Printers, and Related Services Renewal

- W. Resolution:** Authorizing Expenditure of Funds for Network Storage and Services
 - X. Resolution:** Authorizing Expenditure of Funds for Computer Hardware, Software, and Services
 - Y. Resolution:** Authorizing the Kane County Sheriff's Office Purchase of a Bomb Squad X-Ray Machine
 - Z. Resolution:** Ratifying an Emergency Purchase Affidavit to Purchase a 2023 Ford Escape Hybrid for the Building Management Department
 - AA. Resolution:** Ratifying an Emergency Purchase Affidavit to Purchase a 2023 Ford Escape Hybrid for the Information Technologies Department
 - AB. Resolution:** Authorizing the Number of Procurement Cards Issued to the Kane County Law Library and Each of Their Transaction Limits
- 10. Old Business**
 - 11. Reports Placed On File**
 - 12. Committee Chairman's Comments**
 - 13. Executive Session (if needed)**
 - 14. Public Comment (Non-Agenda Items)**
 - 15. Adjournment**

STATE OF ILLINOIS)

SS.

COUNTY OF KANE)

REPORT NO. TMP-23-1308

MONTHLY REPORT (ATTACHED)

**COUNTY OF KANE
OFFICE OF THE TREASURER
Geneva, Illinois 60134
Phone: (630) 232-3565
Fax: (630) 208-7549**

To: Finance Committee
From: Christopher J Lauzen, CPA, MBA
Date: September 27, 2023
Subject: Monthly Report of Investments and Deposits

Attached is the August Treasurer Report of investments and deposits of county monies as of the first business day of September 2023, published pursuant to the provisions of Illinois Compiled Statutes, Chapter 55, Section 5/3-11007.

As you have already seen, we are making adjustments to improve the format of these reports for eventual, easier more understandable consumption of this financial information.

Very Sincerely,



Christopher J Lauzen, CPA, MBA
Kane County Treasurer

KANE COUNTY TREASURER - PORTFOLIO SUMMARY

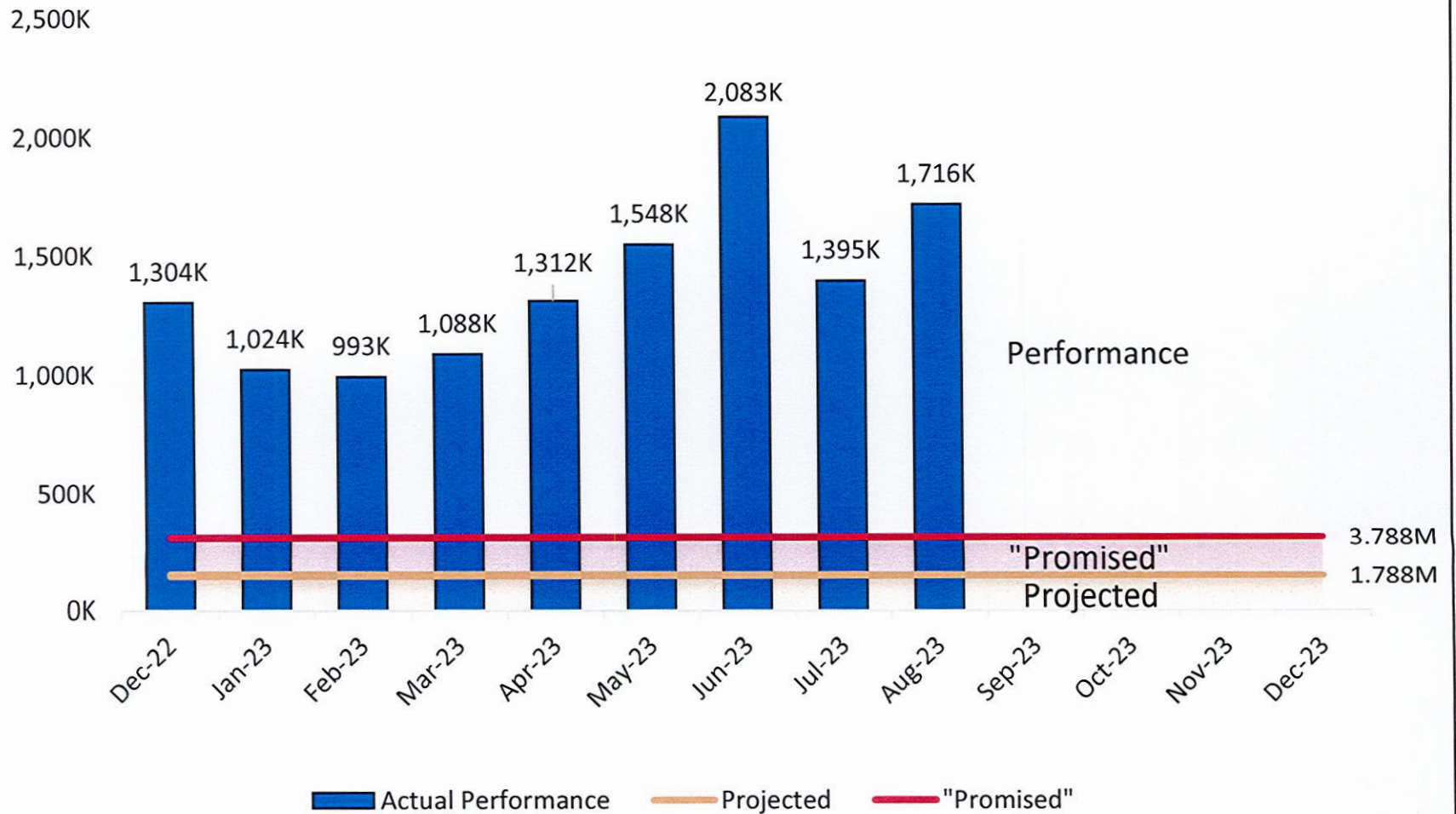
8/31/2023

ACCOUNT ASSETS	ACTUAL-BOOK VALUE	CURRENT MARKET/BOOK	INTEREST Rec'd in Current Month
FDIC Savings/Checking Accounts	111,261,499	111,261,499	361,147
Investments (3)	212,843,729	206,988,095	407,493
The Illinois Funds Managed Asset Acct	53,268,652	53,268,652	394,413
PFM Illinois Trust Managed Asset Acct	56,173,484	56,173,484	180,828
CDARS Program - CIBC Bank	5,000,000	5,000,000	20,117
Subtotal Investments	327,285,865	321,430,231	1,002,851
GRAND TOTAL TREASURER	438,547,364	432,691,730	1,363,998
GRAND TOTAL COLLECTOR (Next Page)	545,731,577	545,731,577	350,426
GRAND TOTAL TRANSACTION (Next Page)	6,114,898	6,114,898	1,135
TOTAL DEMAND AND INVESTMENTS	990,393,839	984,538,205	1,715,560

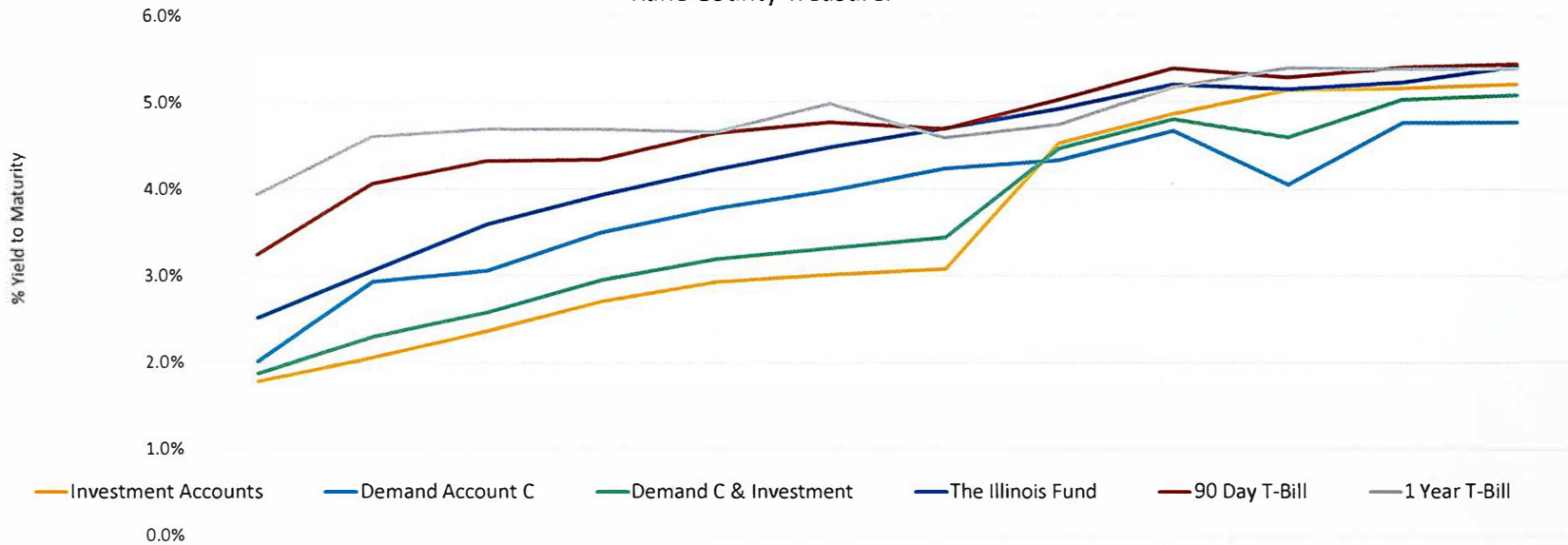
THE MONTHLY REPORT OF THE KANE COUNTY ILLINOIS TREASURER
FOR THE PERIOD ENDING AUGUST 31, 2023

FUND NAME	DESCRIPTION	ENDING BALANCE 8/31/2023	INTEREST
American Bank & Trust	Public Fund Checking	184,862	-
American Eagle Bank	Small Business Account	204,248	-
Associated Bank	Public Funds Analyzed ECR Checking	992,290	-
CIBC	Public Funds MM	1,918,738	631
Elgin State Bank/St. Chas.	Government Checking	3,010,328	-
First American Bank	Collector Disbursement	567,299	172
	Checking Account	3,786,237	271
First Secure	Checking Account	68,633	-
First Federal Savings Bank	Small Business Checking	154,762	-
JP Morgan Chase	Premium Commercial MM	60,296,563	60,555
	Commercial Checking	462,787,813	288,785
	Electronic Payments	8,065,541	-
	Credit Card	925	-
KCT Credit Union	Premium Member	790,277	12
Old Second Natl Bank	Checking Account	2,503,405	-
Resource Bank	Public Funds NIB	286,939	-
TBK Bank	Public Funds MM	112,716	-
TOTAL COLLECTOR ACCOUNTS		545,731,577	350,426
American Bank & Trust	General Fund MM	3,597,320	16,079
Associated Bank	Public Funds MM Advantage	23,794,293	90,593
CIBC	Public Funds Now MM	834,049	1,767
Elgin State Bank/St. Chas.	Business MM	7,687,396	35,773
First American Bank	General Fund MM	43,073,304	73,304
	Checking Account	463,616	725
	Checking Account	467,823	56
	Wires Clearing Account	6	5
	Longmeadow Tolls	-	-
Inland/Byline Bank	Public MMDA	11,191,488	53,078
Old National Bank	Public Super Ckg Interest	18,784,290	86,303
JP Morgan Chase	Premium Commercial MM	48,061	153
Subtotal		109,941,648	357,838
Transaction Accounts			
First American Bank	Unclaimed Funds	109,823	32
FAB Outstanding Checks	Payroll	4,726,364	194
FAB Outstanding Checks	Accounts Payable	1,275,154	906
FAB Outstanding Checks	Juror	3,558	3
Subtotal Transaction Accounts		6,114,898	1,135
TOTAL TREASURER ACCOUNTS		116,056,546	358,973
FAB Longmeadow	Premium Yield MM	592,921	1,487
FAB Multi Facility	Premium Yield MM	726,930	1,823
TOTAL BOND PROCEEDS ACCOUNTS		1,319,852	3,309
TOTAL DEMAND BALANCE		663,107,974	712,709
Investments (3)		212,843,729	407,493
The Illinois Funds Managed Asset Acct		53,268,652	394,413
PFM Illinois Trust Managed Asset Acct		56,173,484	180,828
CDARS Program - CIBC Bank		5,000,000	20,117
TOTAL INVESTMENT & MANAGED ASSET BALANCE		327,285,865	1,002,851
TOTAL DEMAND & INVESTMENT BALANCES		990,393,839	1,715,560

Projected vs. "Promised" vs. Actual Performance Interest Earned Fiscal Year 2023



Kane County Weighted Average Demand & Investment Yield Kane County Treasurer



	Sep-22 9/30/2022	Oct-22 10/31/2022	Nov-22 11/30/2022	Dec-22 12/31/2022	Jan-23 1/31/2023	Feb-23 2/28/2023	Mar-23 3/31/2023	Apr-23 4/30/2023	May-23 5/31/2023	Jun-23 6/30/2023	Jul-23 7/31/2023	Aug-23 8/31/2023
Investment Accounts	1.79%	2.07%	2.37%	2.71%	2.93%	3.02%	3.08%	4.53%	4.87%	5.14%	5.16%	5.21%
Demand Account C	2.02%	2.93%	3.06%	3.50%	3.77%	3.98%	4.24%	4.33%	4.67%	4.05%	4.76%	4.77%
Demand C & Investment	1.88%	2.30%	2.58%	2.96%	3.19%	3.32%	3.44%	4.47%	4.81%	4.60%	5.03%	5.08%
The Illinois Fund	2.52%	3.06%	3.59%	3.93%	4.22%	4.48%	4.70%	4.92%	5.20%	5.15%	5.23%	5.41%
90 Day T-Bill	3.25%	4.06%	4.32%	4.34%	4.64%	4.77%	4.69%	5.03%	5.39%	5.28%	5.40%	5.44%
1 Year T-Bill	3.93%	4.60%	4.69%	4.69%	4.65%	4.98%	4.59%	4.74%	5.17%	5.39%	5.38%	5.38%

Kane County - Portfolio Analysis - 8-31-2023 - Summary

Report Date	8/31/2023		Kane County				
Sector	Avg. Coupon	Total Cost	Total Market Value	% Market Value	Unrealized Gain/Loss	Yield	Duration
Internal	1.67	56,485,873	55,662,665	27%	(823,208)	5.27	1.11
Vectors	2.51	52,522,403	50,744,429	25%	(1,777,973)	5.28	1.35
PFMAM	2.23	103,835,453	100,581,001	49%	(3,254,452)	5.15	1.85
Total	2.15	212,843,728	206,988,095	100%	(5,855,633)	5.21	1.53

Sector	Avg. Coupon	Total Cost	Total Market Value	% Market Value	Unrealized Gain/Loss	Yield	Duration
Cash		1,027,713	1,030,497	0%	2,784	5.36	0.09
US Treasury	1.44	44,759,002	44,475,993	21%	(283,008)	4.90	1.77
Commercial Paper	0.00	7,253,591	7,358,415	4%	104,824	5.64	0.33
Corporate	4.03	16,233,097	16,279,766	8%	46,670	5.37	1.93
Agency	2.07	67,281,287	65,104,028	31%	(2,177,258)	5.33	1.47
Taxable Muni	2.09	60,376,581	56,939,227	28%	(3,437,354)	5.32	1.42
Tax Free Muni	2.86	7,609,339	7,537,462	4%	(71,878)	4.17	0.43
Mortgage Backed Security	4.78	8,303,119	8,262,706	4%	(40,413)	5.48	2.93
Total	2.15	212,843,728	206,988,095	100%	(5,855,633)	5.21	1.53

Internal							
Sector	Avg. Coupon	Total Cost	Total Market Value	% Market Value	Unrealized Gain/Loss	Yield	Duration
Cash		282,597	283,443	1%	846	5.25	0.06
US Treasury		14,863,433	14,862,260	27%	(1,173)	5.27	0.15
Commercial Paper		-	-	0%	-		
Corporate		-	-	0%	-		
Agency	2.27	34,615,937	33,793,212	61%	(822,725)	5.27	1.73
Taxable Muni	2.39	5,395,280	5,378,458	10%	(16,822)	5.40	0.21
Tax Free Muni	2.60	1,328,625	1,345,292	2%	16,666	4.72	0.02
Mortgage Backed Security		-	-	0%	-		
Total	1.67	56,485,873	55,662,665	100%	(823,208)	5.27	1.11

Vectors							
Sector	Avg. Coupon	Total Cost	Total Market Value	% Market Value	Unrealized Gain/Loss	Yield	Duration
Cash		4,489	6,428	0%	1,938	5.21	0.05
US Treasury	1.66	5,072,308	5,078,283	10%	5,976	5.28	0.64
Commercial Paper		-	-	0%	-		
Corporate		-	-	0%	-		
Agency	2.62	5,432,963	5,413,825	11%	(19,138)	5.64	0.34
Taxable Muni	2.06	31,437,499	29,676,661	58%	(1,760,838)	5.35	1.53
Tax Free Muni	2.78	5,489,332	5,485,123	11%	(4,209)	4.11	0.52
Mortgage Backed Security	5.62	5,085,813	5,084,110	10%	(1,702)	5.76	2.95
Total	2.51	52,522,403	50,744,429	100%	(1,777,973)	5.28	1.35

PFMAM							
Sector	Avg. Coupon	Total Cost	Total Market Value	% Market Value	Unrealized Gain/Loss	Yield	Duration
Cash		740,626	740,626	1%	-	5.41	0.10
US Treasury	2.26	24,823,261	24,535,450	24%	(287,811)	4.60	2.99
Commercial Paper	0.00	7,253,591	7,358,415	7%	104,824	5.64	0.33
Corporate	4.03	16,233,097	16,279,766	16%	46,670	5.37	1.93
Agency	1.71	27,232,387	25,896,992	26%	(1,335,395)	5.35	1.36
Taxable Muni	2.05	23,543,802	21,884,108	22%	(1,659,694)	5.25	1.56
Tax Free Muni	4.03	791,382	707,047	1%	(84,335)	3.61	0.57
Mortgage Backed Security	3.42	3,217,307	3,178,596	3%	(38,711)	5.03	2.89
Total	2.23	103,835,453	100,581,001	100%	(3,254,452)	5.15	1.85

Kane County - Portfolio Analysis - 8-31-2023 - Total

Cusip	Name	Coupon	Maturity	Principal Cost	Current Face	USB Price - 7/31/2023	USB - Total Market Value	Yield To Worst	Eff. Duration	Purchase Date
91282CEL1	US TREASURY FRN	5.34	4/30/2024	484,908	485,000	99.97	484,864	5.37	0.00	5/10/2023
0331617H7	ANCHORAGE-B-REF	5.00	9/1/2023	500,000	500,000	100.00	512,500	5.31	0.01	4/15/2020
1164752Z6	BROWNSVILLE UTILITY	0.80	9/1/2023	250,000	250,000	100.00	250,995	5.31	0.01	8/14/2020
551341CL2	LYNDHURST TWP BOE-REF	1.00	9/1/2023	355,000	355,000	100.00	356,775	5.31	0.01	8/20/2020
679191JL1	OK AGRICULTURAL-REV-C	1.89	9/1/2023	249,312	240,000	100.00	242,264	5.31	0.01	8/19/2020
982696RR9	WYANDOTTE USD #500-B	1.67	9/1/2023	410,000	410,000	100.00	413,428	5.31	0.01	5/29/2020
535392UL6	LINDEN	1.00	9/15/2023	373,714	374,000	99.90	375,354	5.33	0.04	9/16/2020
912797GT8	TREASURY BILL	0.00	9/19/2023	4,259,000	4,270,000	99.74	4,258,727	5.10	0.05	6/1/2023
31846V567	FIRST AM GOV OBLIG-Z			4,489	4,489	100.00	6,428	5.21	0.05	8/28/2023
31607A703	FIDELITY INV MMTT GOVT-INST			282,597	282,597	100.00	283,443	5.25	0.06	8/1/2023
67556PFQ9	OCOEE UTIL DIST	2.90	10/1/2023	176,494	170,000	99.79	171,692	5.40	0.08	12/18/2019
64966QEF3	NEW YORK-B-2	1.74	10/1/2023	1,021,667	1,000,000	99.72	1,004,430	5.10	0.08	5/20/2020
882723A74	TEXAS ST-C-REF-TXBL	2.53	10/1/2023	706,036	655,000	99.79	660,519	5.03	0.08	8/3/2020
547473EE4	LOVINGTON SD #1	2.00	10/1/2023	99,912	100,000	99.83	100,662	4.03	0.08	10/22/2020
968717SF6	WILL CO SD#30C-C-REF	3.00	10/1/2023	100,006	100,000	99.92	101,172	3.89	0.08	6/17/2020
4252005D0	HENDERSON-B-REF	4.00	6/1/2024	100,000	100,000	100.04	101,039	3.44	0.09	8/14/2020
Cash	ILLINOIS TRUST BALANCE	0.00		740,626	740,626	100.00	740,626	5.41	0.10	8/31/2023
912797FA0	TREASURY BILL	0.00	10/12/2023	4,269,466	4,295,000	99.40	4,269,058	5.30	0.11	6/1/2023
46467TAG0	ISLESBORO-TXBL	4.00	10/15/2023	164,802	165,000	99.81	167,178	5.49	0.12	1/3/2020
405540DZ5	HALEDON	2.00	10/15/2023	179,671	180,000	99.70	180,816	4.45	0.12	7/2/2020
48542REP5	KS DEV FIN AUTH-G-REF	2.10	11/1/2023	591,174	590,000	99.43	590,749	5.53	0.17	8/15/2019
64971XMC9	NYC TRANSITIONAL FIN	2.03	11/1/2023	501,064	500,000	99.43	500,543	5.43	0.17	5/27/2020
64971WXB1	NYC TRANS FIN AUTH-B2	2.80	11/1/2023	469,978	445,000	99.58	447,280	5.30	0.17	5/7/2020
3133EMFB3	FEDERAL FARM CREDIT BANK	0.29	11/2/2023	30,000	30,000	99.09	29,756	5.70	0.17	11/4/2020
912797FJ1	TREASURY BILL	0.00	11/9/2023	4,271,548	4,315,000	98.99	4,271,289	5.35	0.19	5/31/2023
912797FJ1	TREASURY BILL	0.00	11/9/2023	866,325	875,000	98.99	866,136	5.35	0.19	5/31/2023
63873KYA9	NATIXIS		11/10/2023	1,948,281	2,000,000	98.93	1,978,620	5.50	0.19	5/15/2023
052414RP6	AUSTIN TX ELEC UTIL-A	2.52	11/15/2023	593,232	595,000	99.41	595,935	5.37	0.20	11/27/2019
663903J89	NORTHEAST OH REGL SWR	1.78	11/15/2023	398,506	400,000	99.27	399,185	5.33	0.20	5/26/2020
3130ARZ95	FEDERAL HOME LOAN BANK	2.70	11/24/2023	2,000,000	2,000,000	99.30	2,000,530	5.74	0.23	5/3/2022
3133EMHL9	FEDERAL FARM CREDIT BANK	0.31	11/30/2023	235,000	235,000	98.69	232,113	5.61	0.24	11/30/2020
871089GX0	SWITZERLAND OF OHIO	2.11	12/1/2023	329,749	330,000	99.15	328,925	5.54	0.25	11/6/2019
613478KH8	MONTGOMERY-B-REF-TXBL	3.50	12/1/2023	498,951	500,000	99.52	501,960	5.41	0.25	4/22/2020
59157UYV6	METLIFE SHORT		11/29/2023	1,944,074	2,000,000	98.64	1,972,800	5.52	0.25	5/15/2023
276482AC0	EASTERN GATEWAY CMNTY	3.00	12/1/2023	200,047	200,000	99.85	201,196	3.59	0.25	6/26/2020
860605CU6	STICKNEY-REF	4.00	12/1/2023	150,280	150,000	100.09	151,641	3.59	0.25	5/21/2020
769142JE1	RIVERSIDE VLG-A	5.00	12/1/2023	170,628	170,000	100.34	172,705	3.58	0.25	4/16/2020
498260GY8	KITTITAS CO SD #401	5.00	12/1/2023	202,824	175,000	100.40	177,881	3.36	0.25	4/24/2020
912797FT9	TREASURY BILL	0.00	12/7/2023	769,153	780,000	98.58	768,947	5.37	0.26	6/8/2023
3130AKK21	FEDERAL HOME LOAN BANK	0.25	12/8/2023	601,319	600,000	98.55	591,664	5.70	0.26	12/15/2020
912797FV4	TREASURY BILL	0.00	12/21/2023	723,155	735,000	98.37	723,005	5.42	0.30	6/27/2023
912797FV4	TREASURY BILL	0.00	12/21/2023	634,659	645,000	98.37	634,474	5.42	0.30	6/27/2023
3130ASKE8	FEDERAL HOME LOAN BANK	3.30	12/28/2023	1,432,963	1,450,000	99.27	1,446,955	5.57	0.32	6/28/2022
070372NC7	BATAVIA-REF	3.00	1/1/2024	125,018	125,000	99.77	125,334	3.69	0.33	5/26/2020
877792E09	PEKIN CMTY HSD #303	4.00	1/1/2024	155,404	155,000	100.10	156,187	3.68	0.33	9/8/2020
67910HPN4	OK MUNI PWR AUTH-B	5.00	1/1/2024	251,331	250,000	100.44	253,186	3.63	0.33	7/31/2020
27649EFU8	EASTERN HANCOCK	2.00	1/15/2024	269,049	270,000	99.12	268,311	4.39	0.37	10/22/2020
128534FX7	CALCASIEU SD #34-REF	3.00	1/15/2024	500,499	500,000	99.77	500,762	3.62	0.37	4/6/2020
912796ZY8	TREASURY BILL	0.00	1/25/2024	1,428,760	1,460,000	97.86	1,428,712	5.44	0.39	7/27/2023
912828S29	US TREASURY N/8	2.50	1/31/2024	901,506	910,000	98.80	901,031	5.45	0.41	5/11/2023
465468DG8	ITASCA ISD #318-A-REF	2.65	2/1/2024	526,944	500,000	98.80	495,124	5.58	0.41	3/9/2020
652233ML8	NEWPORT NEWS-B-REF	0.49	2/1/2024	591,297	600,000	97.94	587,887	5.55	0.41	6/23/2021
519357PD3	LAVACA SCH DT #3-REF	0.75	2/1/2024	153,498	155,000	98.35	152,535	4.79	0.41	8/6/2020
24405RDA6	DEER MOUNT JUDEA SD	1.00	2/1/2024	99,074	100,000	98.63	98,714	4.34	0.41	7/30/2020
483782MQ8	KANE ETC SD #302-REF	5.00	2/1/2024	659,606	655,000	100.54	661,240	3.68	0.41	4/24/2020
62479L820	MUFG BANK LTD NY BRA		2/2/2024	1,922,876	2,000,000	97.55	1,950,900	5.78	0.42	5/9/2023
486063Z52	KATY TX INDEP SCH DIS	2.02	2/15/2024	473,544	470,000	98.55	463,606	5.27	0.45	1/9/2020
265435CR6	DUNELLEN BORO BOE	2.00	2/15/2024	198,937	200,000	98.86	197,898	4.55	0.45	10/15/2020
767142QJ4	RIO HONDO ISD-REF	3.00	2/15/2024	240,206	240,000	99.63	239,432	3.82	0.45	6/18/2020
756843856	RED OAK ISD-A-REF	5.00	2/15/2024	207,015	175,000	100.72	176,645	3.39	0.45	6/26/2020
3130ARYU9	FEDERAL HOME LOAN BANK	3.00	2/23/2024	1,600,000	1,600,000	98.79	1,581,675	5.60	0.47	5/23/2022
3130AT2N6	FEDERAL HOME LOAN BANK	3.70	2/28/2024	1,000,000	1,000,000	99.10	991,258	5.59	0.48	8/23/2022
3136G4Z97	FANNIE MAE	0.38	2/28/2024	1,000,000	1,000,000	97.51	975,081	5.59	0.48	8/25/2020
968767MF7	WILL SD #86 REF-A-REF	4.00	3/1/2024	115,557	115,000	100.16	117,486	3.67	0.48	8/13/2020
912797GP6	TREASURY BILL	0.00	2/29/2024	29,197	30,000	97.35	29,204	5.48	0.49	8/30/2023
869315C66	SUSSEX VLG -A	2.00	3/1/2024	139,335	140,000	98.90	139,854	4.26	0.49	6/29/2020
17327AC13	CITIGROUP GLOBAL MKTS		3/1/2024	1,438,360	1,500,000	97.07	1,456,095	5.84	0.50	6/7/2023
3130ASKC2	FEDERAL HOME LOAN BANK	3.45	3/28/2024	2,000,000	2,000,000	98.82	2,005,805	5.55	0.55	6/24/2022
3130ARFB2	FEDERAL HOME LOAN BANK	2.55	3/28/2024	600,000	600,000	98.33	593,957	5.53	0.55	3/18/2022
882830AC6	TX ST TRANS COMM	5.00	4/1/2024	500,470	500,000	99.79	509,362	5.36	0.56	12/2/2020
3130ATNX1	FEDERAL HOME LOAN BANK	5.00	4/26/2024	2,500,000	2,500,000	99.56	2,532,478	5.68	0.57	10/13/2022
974730EA7	WINNECONNE WI CMNTY S	2.50	4/1/2024	99,903	100,000	99.22	100,264	3.86	0.57	7/2/2020
3133EMVD1	FEDERAL FARM CREDIT BANK	0.33	4/5/2024	500,000	500,000	96.96	485,484	5.59	0.58	4/5/2021
485429Y73	KANSAS ST DEV FIN AUT	3.64	4/15/2024	1,179,370	1,065,000	98.73	1,066,134	5.74	0.60	9/17/2020
20772KGN3	CONNECTICUT ST-A-TXBL	3.04	4/15/2024	545,257	500,000	98.61	498,769	5.34	0.60	3/5/2020
06051GK57	BANK OF AMERICA CORP	3.84	4/25/2025	1,000,814	1,020,000	98.56	1,019,004	6.13	0.63	6/28/2023
491836TV8	KEOKUK-REF	3.00	5/1/2024	200,312	200,000	99.55	201,100	3.69	0.65	6/25/2020

Kane County - Portfolio Analysis - 8-31-2023 - Total

Cusip	Name	Coupon	Maturity	Principal Cost	Current Face	USB Price - 7/31/2023	USB - Total Market Value	Yield To Worst	Eff. Duration	Purchase Date
416848XR5	HARTLAND CONSOL SD-I	2.25	5/1/2024	265,660	250,000	98.82	248,923	4.06	0.65	10/15/2020
88213ALU7	TX ST BRD RGTS A&M-D	2.76	5/15/2024	1,746,097	1,720,000	98.17	1,702,564	5.43	0.68	7/7/2020
912828WJ5	US TREASURY N/B	2.50	5/15/2024	1,232,831	1,265,000	97.96	1,248,574	5.48	0.68	5/31/2023
172967NQ0	CITIGROUP INC	4.14	5/24/2025	491,670	500,000	98.66	493,688	6.04	0.70	7/3/2023
079235DC8	BELLEVUE CITY MUNI	1.57	9/15/2024	771,717	770,000	98.02	760,304	5.44	0.71	4/1/2020
938650SC3	WASHINGTON CO-C	2.45	6/1/2024	246,724	250,000	97.78	245,991	5.50	0.73	9/2/2020
604146EH9	MINNESOTA ST GEN FUND	2.00	6/1/2024	703,333	670,000	97.48	656,466	5.47	0.73	11/5/2020
120525HS2	BUNCOMBE CO -REV- B	1.80	6/1/2024	438,740	405,000	97.36	396,114	5.44	0.73	4/7/2020
864784GR8	SUFFOLK CO WTR AUTH -	0.75	6/1/2024	710,836	700,000	96.52	676,946	5.55	0.73	12/15/2020
709177BK6	PA HGR EDUCTNL-AY-REF	0.88	6/15/2024	503,100	500,000	96.36	482,719	5.66	0.77	10/1/2020
109409GE6	BRIGHTON CSD	2.13	6/15/2024	99,604	100,000	98.55	99,003	4.00	0.77	10/2/2020
3133EMAB8	FEDERAL FARM CREDIT BANK	0.39	6/17/2024	674,992	675,000	96.03	648,757	5.56	0.77	10/6/2020
3130ATCD7	FEDERAL HOME LOAN BANK	4.00	6/28/2024	1,500,000	1,500,000	98.76	1,506,900	5.56	0.79	9/8/2022
3130ASEN5	FEDERAL HOME LOAN BANK	3.02	6/28/2024	1,496,974	1,500,000	98.05	1,478,723	5.46	0.80	6/27/2022
64972H5D0	NYC TRANSITIONAL FIN	0.64	7/15/2024	1,453,834	1,500,000	95.74	1,437,387	5.71	0.85	4/25/2022
079581EF7	BELLMAWR BORO	0.50	7/15/2024	397,602	410,000	95.99	393,805	5.27	0.85	8/10/2020
3130ASQN2	FEDERAL HOME LOAN BANK	3.55	7/26/2024	2,000,000	2,000,000	98.32	1,973,363	5.47	0.87	7/14/2022
880541QU4	TENNESSEE ST-C-TXBL	3.73	8/1/2024	478,204	475,000	98.40	468,866	5.54	0.89	9/12/2022
64971XSF1	NYC TRANSIT-A3-UNREFD	2.85	8/1/2024	945,000	945,000	97.54	923,960	5.64	0.89	8/11/2020
64971XSE4	NYC TRANSIT-A3-PREREF	2.85	8/1/2024	55,000	55,000	97.54	53,776	5.64	0.89	8/11/2020
64966MEF2	NEW YORK	2.11	8/1/2024	1,056,886	1,000,000	96.97	971,448	5.55	0.89	8/28/2020
9281726K6	VA ST PUB BLDG AUTH-C	1.91	8/1/2024	1,009,459	1,000,000	96.72	968,804	5.63	0.89	5/29/2020
576051VX1	MA WTR RESOURCES AUTH	1.86	8/1/2024	210,950	200,000	96.72	193,748	5.58	0.89	10/21/2020
291065GW4	EMERSON	1.00	8/15/2024	313,011	320,000	96.43	308,718	4.87	0.93	8/7/2020
3133EL4J0	FEDERAL FARM CREDIT BANK	0.47	8/19/2024	1,985,026	1,985,000	95.32	1,892,393	5.51	0.94	8/13/2020
73474TAB6	MORROW PORT TRANS FAC	3.22	9/1/2024	246,353	250,000	97.81	248,554	5.50	0.95	12/7/2020
708612BC9	PENNSVILLE BOE	2.50	9/1/2024	99,110	100,000	97.84	99,086	4.74	0.96	9/16/2020
551341CM0	LYNDHURST TWP BOE-REF	1.00	9/1/2024	248,758	255,000	96.16	246,480	4.99	0.97	8/20/2020
3133EL6V1	FEDERAL FARM CREDIT BANK	0.43	9/10/2024	1,000,007	1,000,000	95.02	952,253	5.49	1.00	9/10/2020
3130ATBJ5	FEDERAL HOME LOAN BANK	4.05	9/30/2024	182,410	185,000	98.50	185,371	5.49	1.02	10/17/2022
4140185L1	HARRIS CO FLOOD-B-REF	3.21	10/1/2024	1,105,413	1,000,000	97.72	990,549	5.41	1.03	12/11/2020
3133EMBD3	FEDERAL FARM CREDIT BANK	0.36	9/24/2024	35,002	35,000	94.79	33,230	5.47	1.04	10/1/2020
882723PS2	TEXAS ST-TXBL-REF-B	3.09	10/1/2024	344,620	350,000	97.79	346,769	5.22	1.04	3/16/2020
3134GWWX0	FREDDIE MAC	0.40	9/30/2024	1,000,000	1,000,000	94.58	947,468	5.63	1.05	9/28/2020
97705MBK0	WISCONSIN ST-1-REF	5.00	11/1/2024	115,884	100,000	101.93	103,599	3.29	1.12	4/29/2020
675136AK1	OCEAN TWP NJ MONMOUTH	3.00	11/1/2024	75,075	75,000	99.11	75,082	3.79	1.12	7/9/2020
3133EMFP2	FEDERAL FARM CREDIT BANK	0.44	11/4/2024	2,339,897	2,340,000	94.33	2,210,668	5.49	1.14	10/30/2020
3130APU45	FEDERAL HOME LOAN BANK	0.85	11/22/2024	363,840	385,000	94.44	364,482	5.61	1.19	12/22/2021
510281GE2	LAKE LOC SD-A-TXBL	4.00	12/1/2024	794,558	635,000	98.23	630,111	5.48	1.19	4/22/2020
880558AN1	TN BOND AUTH-B-TXBL	3.13	5/1/2025	347,023	355,000	97.08	348,322	5.37	1.30	9/16/2022
3130ATLB1	FEDERAL HOME LOAN BANK	5.00	10/14/2025	1,393,420	1,400,000	98.82	1,410,049	5.60	1.31	10/14/2022
3134GXH98	FREDDIE MAC	3.75	1/27/2025	491,880	500,000	97.63	489,936	5.52	1.32	7/27/2022
3130ATJP3	FEDERAL HOME LOAN BANK	5.05	10/24/2025	1,750,000	1,750,000	98.84	1,760,929	5.63	1.32	10/4/2022
92778VEU8	VIRGINIA ST CLG BLDG	2.72	2/1/2025	464,259	450,000	96.41	434,856	5.39	1.37	1/25/2021
3130ANEJ5	FEDERAL HOME LOAN BANK	0.52	1/28/2025	1,000,000	1,000,000	93.40	934,437	5.45	1.37	7/26/2021
3136G4E74	FANNIE MAE	0.57	1/29/2025	887,557	950,000	93.45	888,275	5.45	1.37	7/29/2020
519357PE1	LAVACA SCH DT #3-REF	0.75	2/1/2025	147,813	150,000	94.66	142,078	4.69	1.39	8/6/2020
95000U2K8	WELLS FARGO & COMPANY	2.16	2/11/2026	499,398	530,000	94.55	501,736	6.17	1.39	6/28/2023
5978516S8	MIDLOTHIAN TX INDEP S	5.00	2/15/2025	887,903	750,000	99.55	748,284	5.32	1.39	10/15/2020
3134GX2F0	FREDDIE MAC	4.00	3/28/2025	108,273	110,000	97.83	109,487	5.45	1.41	11/1/2022
649791PQ7	NEW YORK ST	2.12	2/15/2025	531,232	500,000	95.56	478,291	5.33	1.41	5/20/2021
882806HG0	TEXAS ST TECH UNIV RE	0.94	2/15/2025	507,535	500,000	93.85	469,463	5.39	1.42	6/2/2021
46647PCV6	JPMORGAN CHASE & CO	2.60	2/24/2026	987,678	1,040,000	95.50	993,766	5.81	1.42	6/28/2023
3130AL6W9	FEDERAL HOME LOAN BANK	0.40	2/18/2025	500,000	500,000	92.99	465,022	5.45	1.43	2/8/2021
4423315U4	HOUSTON TX-B-TXBL-REF	2.11	3/1/2025	1,498,656	1,415,000	95.16	1,361,499	5.51	1.43	10/21/2020
3130ASZU6	FEDERAL HOME LOAN BANK	4.00	4/30/2025	246,535	250,000	97.80	244,576	5.41	1.44	8/30/2022
678553BT4	OKLAHOMA CITY OK ECON	0.92	3/1/2025	474,962	500,000	93.58	470,185	5.43	1.44	9/10/2021
3130AMMG4	FEDERAL HOME LOAN BANK	0.63	2/27/2025	40,000	40,000	93.21	37,349	5.43	1.45	5/28/2021
649791LU2	NEW YORK ST-TXBL-B	2.80	3/15/2025	233,674	220,000	96.34	214,791	5.31	1.46	11/16/2021
3133EMSC7	FEDERAL FARM CREDIT BANK	0.48	3/3/2025	1,263,780	1,270,000	93.01	1,184,292	5.37	1.46	2/26/2021
3133EMJP8	FEDERAL FARM CREDIT BANK	0.49	3/10/2025	400,000	400,000	92.87	372,415	5.42	1.48	12/11/2020
649791RA0	NY ST-B-TXBL GROUP 1	0.91	3/15/2025	1,011,782	1,000,000	93.60	940,236	5.29	1.48	3/25/2021
91282CGU9	US TREASURY N/B	3.88	3/31/2025	2,466,602	2,500,000	98.19	2,495,537	5.08	1.49	5/26/2023
3130ARA35	FEDERAL HOME LOAN BANK	2.00	3/24/2025	1,148,544	1,200,000	95.05	1,151,067	5.34	1.49	3/24/2022
115637AS9	BROWN-FORMAN CORP	3.50	4/15/2025	491,470	500,000	97.04	491,826	5.43	1.50	5/12/2023
914455UC2	UNIV OF MICHIGAN MI	1.00	4/1/2025	761,766	750,000	93.53	704,613	5.32	1.53	6/29/2020
3130ARU58	FEDERAL HOME LOAN BANK	4.00	4/28/2025	1,125,000	1,125,000	98.20	1,112,884	5.14	1.56	4/25/2022
91282CGX3	US TREASURY N/B	3.88	4/30/2025	2,476,660	2,500,000	98.18	2,487,243	5.02	1.57	5/23/2023
857477CB7	STATE STREET CORP	5.10	5/18/2026	750,000	750,000	99.11	754,307	5.65	1.59	5/15/2023
3130ASGN3	FEDERAL HOME LOAN BANK	4.00	6/30/2025	2,338,134	2,350,000	97.64	2,310,421	5.37	1.59	6/14/2022
64971XLQ9	NYC TRANS FIN AUTH-A4	2.01	5/1/2025	938,116	970,000	94.77	925,749	5.33	1.59	6/2/2022
3130ASQJ1	FEDERAL HOME LOAN BANK	4.13	7/28/2025	1,500,000	1,500,000	97.74	1,471,742	5.39	1.59	7/14/2022
06405LAD3	BANK OF NEW YORK MELLON	5.15	5/22/2026	1,180,000	1,180,000	99.40	1,189,252	5.51	1.60	5/17/2023
3133EMXS6	FEDERAL FARM CREDIT BANK	0.72	4/28/2025	1,550,000	1,550,000	92.87	1,443,221	5.27	1.60	5/3/2021
64971X6G8	NYC TRANS-C-2-UNREFD	1.00	5/1/2025	692,025	690,000	93.19	645,311	5.32	1.61	10/1/2020
64971XSY0	NYC TRANS-C-2-PREREFD	1.00	5/1/2025	30,088	30,000	93.24	28,073	5.29	1.61	10/1/2020
3134GX2M5	FREDDIE MAC	4.13	9/29/2025	172,666	175,000	97.66	173,951	5.33	1.67	9/29/2022

Kane County - Portfolio Analysis - 8-31-2023 - Total

Cusip	Name	Coupon	Maturity	Principal Cost	Current Face	USB Price - 7/31/2023	USB - Total Market Value	Yield To Worst	Eff. Duration	Purchase Date
3133ELC28	FEDERAL FARM CREDIT BANK	0.73	5/27/2025	356,754	355,000	92.63	329,524	5.22	1.68	5/27/2020
864784G56	SUFFOLK CO WTR AUTH -	0.91	6/1/2025	698,286	700,000	92.87	651,655	5.23	1.69	12/7/2020
09088RP34	BIRMINGHAM-C-TXBL	0.88	6/1/2025	398,946	395,000	92.79	367,409	5.25	1.69	1/28/2021
127145LF5	CACHE CO-REF	3.00	6/15/2025	546,680	500,000	96.06	483,462	5.34	1.70	5/19/2021
3133ELK37	FEDERAL FARM CREDIT BANK	0.78	6/16/2025	260,011	260,000	92.46	240,819	5.24	1.73	6/11/2020
60416TQY7	MN HSG FIN AGY-E-TXBL	3.19	7/1/2025	490,000	490,000	95.61	471,066	5.74	1.73	5/12/2022
91412GU94	UNIV CA-AX-TXBL	3.06	7/1/2025	939,096	900,000	96.42	872,330	5.13	1.74	8/24/2020
912828XZ8	US TREASURY N/B	2.75	6/30/2025	1,298,063	1,350,000	96.20	1,305,096	4.94	1.74	7/27/2023
39081HCH3	GREAT LAKES WTR AUTH	1.65	7/1/2025	499,369	500,000	93.91	470,943	5.18	1.76	10/28/2021
341271AD6	FLORIDA ST BRD OF ADM	1.26	7/1/2025	3,719,129	3,715,000	92.99	3,462,293	5.32	1.76	9/11/2020
898797HT5	TUCSON WTR SYS REV	0.85	7/1/2025	811,000	800,000	92.12	738,088	5.42	1.77	12/11/2020
3130AMX31	FEDERAL HOME LOAN BANK	0.75	6/30/2025	520,000	520,000	92.29	480,579	5.21	1.77	6/28/2021
3130AURP6	FEDERAL HOME LOAN BANK	0.68	6/30/2025	911,127	990,000	92.17	913,644	5.21	1.77	6/30/2020
592112UB0	NASHVILLE DAVIDSON CO	0.61	7/1/2025	577,619	600,000	91.75	551,098	5.40	1.77	6/23/2021
3137FXQ7	FHMS K733 A2	3.75	8/25/2025	498,487	512,694	97.07	499,285	5.30	1.77	8/10/2023
3130ARNN7	FEDERAL HOME LOAN BANK	3.00	7/28/2025	1,554,464	1,600,000	95.98	1,540,096	5.24	1.79	4/28/2022
3133EMMP4	FEDERAL FARM CREDIT BANK	0.39	7/14/2025	813,731	884,000	91.52	809,460	5.21	1.81	1/14/2021
05565ECC7	BMW US CAPITAL LLC	5.30	8/11/2025	794,952	795,000	99.65	794,590	5.49	1.82	8/8/2023
64966QCB4	NEW YORK-A-2	2.28	8/1/2025	1,052,250	1,000,000	94.59	947,840	5.28	1.83	3/18/2021
64966WFJ1	NYC HSG DEV CORP -D	1.30	8/1/2025	302,703	300,000	92.50	277,828	5.47	1.84	12/11/2020
64966QWV8	NEW YORK -A-2-TXBL	0.84	8/1/2025	685,238	735,000	92.02	676,847	5.27	1.85	5/3/2022
033162CT3	ANCHORAGE AK	0.71	8/1/2025	1,005,210	1,000,000	91.72	917,835	5.31	1.85	12/11/2020
053015AE3	AUTOMATIC DATA PROCESSNG	3.38	9/15/2025	987,839	1,015,000	96.74	997,707	5.08	1.86	5/24/2023
419792YQ3	HAWAII ST-FZ	0.67	8/1/2025	497,789	495,000	91.95	455,434	5.13	1.86	11/12/2020
437076BK7	HOME DEPOT INC	3.35	9/15/2025	367,849	375,000	96.56	367,893	5.15	1.86	5/12/2023
207721K6	CONNECTICUT-A-TXBL	2.52	8/15/2025	2,309,050	2,315,000	95.34	2,209,737	5.05	1.87	4/1/2022
544351KU2	LOS ANGELES-A-REF-TXB	3.05	9/1/2025	561,953	500,000	96.28	489,005	5.03	1.88	12/10/2020
3134GWND4	FREDDIE MAC	0.60	8/12/2025	1,000,058	1,000,000	91.65	916,847	5.16	1.89	8/6/2020
798135E88	SAN JOSE-B-TXBL	2.45	9/1/2025	500,479	515,000	94.88	494,956	5.18	1.89	6/8/2022
69371RS23	PACCAR FINANCIAL CORP	4.95	10/3/2025	507,365	500,000	99.70	508,675	5.10	1.92	5/13/2023
3130ARRQ6	FEDERAL HOME LOAN BANK	3.25	10/29/2025	1,000,000	1,000,000	96.16	972,614	5.15	1.94	4/25/2022
3133ENUZ1	FEDERAL FARM CREDIT BANK	3.09	10/20/2025	500,000	500,000	95.91	485,192	5.13	1.94	4/27/2022
02665WDN8	AMERICAN HONDA FINANCE	1.00	9/10/2025	463,665	500,000	91.65	460,625	5.41	1.94	5/11/2023
3130APZ32	FEDERAL HOME LOAN BANK	1.25	9/16/2025	505,000	505,000	92.59	468,869	5.12	1.96	12/7/2021
64971Q7K3	NYC TRANSTNL FIN-TXBL	3.75	11/1/2025	1,041,192	1,000,000	97.15	984,010	5.15	1.97	1/11/2021
734260W7	PORT HOUSTON AUTH-B	2.25	10/1/2025	525,168	560,000	94.07	532,020	5.30	1.97	10/3/2022
3130ALJ47	FEDERAL HOME LOAN BANK	0.70	9/24/2025	922,010	1,000,000	91.46	917,693	5.11	1.99	3/24/2021
637432NG6	NATIONAL RURAL UTIL COOP	3.25	11/1/2025	486,445	500,000	95.69	483,842	5.38	2.00	5/11/2023
3130AMUW0	FEDERAL HOME LOAN BANK	0.75	9/30/2025	499,750	500,000	91.51	459,103	5.10	2.01	6/30/2021
655867J34	NORFOLK-C-TXBL-REF	0.70	10/1/2025	465,934	500,000	91.81	460,507	4.88	2.01	8/4/2021
3133EMYD8	FEDERAL FARM CREDIT BANK	0.85	11/3/2025	923,630	1,000,000	91.53	918,116	5.01	2.10	5/3/2021
44244CXP7	HOUSTON TX UTIL SYS-C	1.95	11/15/2025	411,797	430,000	93.16	403,047	5.27	2.10	5/5/2021
92826CAD4	VISA INC	3.15	12/14/2025	733,838	750,000	95.90	724,303	5.07	2.11	5/11/2023
3130ANLA6	FEDERAL HOME LOAN BANK	0.75	11/26/2025	1,195,727	1,300,000	91.13	1,187,302	4.99	2.16	8/26/2021
3134GXFA7	FREDDIE MAC	0.65	11/26/2025	996,594	1,000,000	90.93	910,965	4.99	2.16	3/25/2021
172311RL8	CINCINNATI WTR SYS	1.00	12/1/2025	563,401	590,000	91.76	542,871	4.91	2.17	11/1/2021
484062LY8	KANE CO ETC CMNTY CLG	1.00	12/15/2025	880,262	945,000	90.74	859,516	5.35	2.20	2/3/2021
483854HU2	KANE COOK & DU PAGE C	0.70	12/15/2025	813,481	875,000	90.63	794,279	5.09	2.21	1/25/2021
419791YT9	HI ST-TXBL-DX-BABS	5.33	2/1/2026	1,116,342	1,045,000	100.42	1,054,010	5.14	2.23	7/27/2022
36179YDL5	G2 MA9107	6.00	8/20/2053	2,502,031	2,500,000	100.38	2,521,950	5.94	2.24	8/14/2023
742718FY0	PROCTER & GAMBLE CO/THE	4.10	1/26/2026	755,415	750,000	98.62	742,640	4.71	2.25	5/11/2023
3135G0GQ1	FANNIE MAE	0.64	12/30/2025	1,904,524	1,900,000	90.42	1,720,059	5.04	2.25	12/23/2020
24422EWT2	JOHN DEERE CAPITAL CORP	5.05	3/3/2026	729,285	725,000	100.10	743,857	5.01	2.26	7/21/2023
38143U8H7	GOLDMAN SACHS GROUP INC	3.75	2/25/2026	495,131	515,000	95.92	494,284	5.53	2.28	8/10/2023
824178ZK6	SHERMAN ISD -A-TXBL	4.00	2/15/2026	572,905	500,000	97.66	489,169	5.03	2.30	7/20/2021
3130AKN85	FEDERAL HOME LOAN BANK	0.55	1/20/2026	200,000	200,000	90.08	180,277	5.01	2.31	1/19/2021
09088RU20	BIRMINGHAM -TXBL -REF	2.00	3/1/2026	378,888	400,000	92.90	375,616	5.06	2.35	1/6/2022
3130AKXQ4	FEDERAL HOME LOAN BANK	0.60	2/12/2026	1,000,000	1,000,000	90.02	900,487	4.98	2.37	2/8/2021
160357XE4	CHARLESTON -TXBL	1.25	3/1/2026	718,207	770,000	91.41	708,685	4.94	2.38	5/21/2021
3133EMSK9	FEDERAL FARM CREDIT BANK	0.84	3/2/2026	1,455,925	1,500,000	90.42	1,362,625	4.96	2.40	2/24/2021
3133EMUK6	FEDERAL FARM CREDIT BANK	1.05	3/25/2026	1,200,000	1,200,000	90.74	1,094,352	4.93	2.45	3/25/2021
396041AE5	GREENVILLE CO SC-A	1.36	4/1/2026	499,140	500,000	90.75	456,588	5.23	2.46	11/11/1911
3130ALT11	FEDERAL HOME LOAN BANK	1.01	3/30/2026	640,367	700,000	90.61	637,207	4.93	2.47	3/30/2021
3130ALMV3	FEDERAL HOME LOAN BANK	1.00	3/30/2026	500,000	500,000	90.58	455,007	4.93	2.47	3/25/2021
14913UA8	CATERPILLAR FINL SERVICE	4.35	5/15/2026	459,784	460,000	98.42	458,642	4.98	2.48	5/8/2023
89236TKT1	TOYOTA MOTOR CREDIT CORP	4.45	5/18/2026	634,632	635,000	98.61	634,246	5.00	2.48	5/15/2023
771196BK7	ROCHE HOLDINGS INC	2.63	5/15/2026	479,575	500,000	94.27	475,215	4.91	2.50	5/12/2023
544445ZN2	LOS ANGELES ARPT-F	2.04	5/15/2026	249,895	250,000	92.57	232,932	5.01	2.55	3/1/2022
59163PKJ1	METRO OR-TXBL	3.25	6/1/2026	745,292	550,000	94.93	526,578	5.25	2.55	6/9/2021
023135BX3	AMAZON.COM INC	1.00	5/12/2026	456,890	500,000	90.37	453,364	4.85	2.58	5/12/2023
02665WEK3	AMERICAN HONDA FINANCE	5.25	7/7/2026	419,483	420,000	100.16	423,992	5.19	2.59	7/5/2023
857477CD3	STATE STREET CORP	5.27	8/3/2026	570,000	570,000	100.02	572,451	5.26	2.62	7/31/2023
94988J6D4	WELLS FARGO BANK NA	5.45	8/7/2026	994,920	995,000	100.32	1,001,468	5.33	2.63	8/2/2023
20772KNX3	CONNECTICUT -TXBL -A	1.12	6/1/2026	224,475	250,000	90.50	226,947	4.86	2.63	6/15/2022
06428CAA2	BANK OF AMERICA NA	5.53	8/18/2026	495,000	495,000	100.49	498,393	5.34	2.65	8/14/2023
20772KJY6	CONNECTICUT ST-A-TXBL	2.35	7/1/2026	939,206	925,000	93.35	867,120	4.89	2.67	2/9/2022
15885SEW2	CHANDLER-REV-REF-TXBL	1.39	7/1/2026	237,000	240,000	90.63	218,066	4.98	2.70	2/1/2022

Kane County - Portfolio Analysis - 8-31-2023 - Total

Cusip	Name	Coupon	Maturity	Principal Cost	Current Face	USB Price - 7/31/2023	USB - Total Market Value	Yield To Worst	Eff. Duration	Purchase Date
68583RDA7	OR CMNTY CLG DT-TXBL	1.15	6/30/2026	90,951	90,000	89.76	80,956	5.07	2.70	9/21/2021
3130AMZN5	FEDERAL HOME LOAN BANK	0.75	6/30/2026	912,600	1,000,000	90.56	906,841	4.87	2.71	6/30/2021
79730CJK1	SAN DIEGO PUB FACS-B	1.90	8/1/2026	565,371	595,000	91.67	546,368	5.01	2.76	2/23/2022
64966QRK8	NYC -TXBL -REF -D	1.22	8/1/2026	909,511	1,000,000	89.51	896,083	5.14	2.79	6/3/2022
54438CYL0	LOS ANGELES CCD-REF	1.17	8/1/2026	601,778	600,000	89.35	536,657	5.16	2.79	11/2/2021
9128282A7	US TREASURY N/B	1.50	8/15/2026	2,346,387	2,500,000	91.66	2,293,232	4.55	2.82	5/11/2023
3133EMZ88	FEDERAL FARM CREDIT BANK	0.83	8/10/2026	991,375	1,100,000	89.04	979,940	4.88	2.83	8/10/2021
010268CN8	ALABAMA FEDERAL AID	1.27	9/1/2026	500,890	500,000	90.17	454,015	4.83	2.85	10/28/2021
3133EM3T7	FEDERAL FARM CREDIT BANK	0.87	9/1/2026	1,250,423	1,250,000	88.97	1,117,538	4.87	2.87	9/1/2021
3133ENBK5	FEDERAL FARM CREDIT BANK	1.14	10/20/2026	499,000	500,000	89.47	449,429	4.80	2.99	10/20/2021
3137BVZ82	FHMS K063 A2	3.43	1/25/2027	1,707,874	1,760,000	95.23	1,681,026	4.99	3.00	5/18/2023
91282CDG3	US TREASURY N/B	1.13	10/31/2026	2,284,082	2,500,000	90.15	2,263,177	4.50	3.02	5/19/2023
3130APWE1	FEDERAL HOME LOAN BANK	1.50	11/25/2026	1,000,000	1,000,000	90.39	907,880	4.74	3.06	11/19/2021
3130AQYG2	FEDERAL HOME LOAN BANK	2.50	2/25/2027	575,000	575,000	92.54	532,339	4.85	3.14	3/4/2022
912828YX2	US TREASURY N/B	1.75	12/31/2026	2,354,980	2,500,000	91.66	2,299,090	4.47	3.15	5/11/2023
64966MWN5	NEW YORK-E-2-TXBL	3.55	3/1/2027	353,005	345,000	95.23	334,650	5.06	3.16	8/1/2022
3133ENLZ1	FEDERAL FARM CREDIT BANK	1.78	1/26/2027	1,200,000	1,200,000	90.56	1,088,809	4.82	3.20	1/26/2022
36179X5H5	G2 MA8948	5.50	6/20/2053	1,298,948	1,298,948	98.99	1,291,769	5.69	3.26	6/26/2023
3137F1G44	FHMS K065 A2	3.24	4/25/2027	1,010,946	1,055,000	94.35	998,286	4.95	3.27	6/8/2023
91282CEF4	US TREASURY N/B	2.50	3/31/2027	2,416,211	2,500,000	93.70	2,368,873	4.42	3.31	5/11/2023
91282CAD3	US TREASURY N/B	0.38	7/31/2027	2,192,285	2,500,000	85.71	2,143,590	4.39	3.78	5/15/2023
91282CGH8	US TREASURY N/B	3.50	1/31/2028	2,467,676	2,500,000	96.70	2,425,084	4.33	4.00	5/19/2023
91282CAU5	US TREASURY N/B	0.50	10/31/2027	2,189,551	2,500,000	85.44	2,140,237	4.36	4.01	5/15/2023
36179X5G7	G2 MA8947	5.00	6/20/2053	1,284,834	1,299,864	97.32	1,270,391	5.47	4.03	6/26/2023
9128284N7	US TREASURY N/B	2.88	5/15/2028	2,395,996	2,500,000	93.98	2,370,814	4.30	4.27	5/19/2023
Total		2.15		212,843,728	215,022,218		206,988,095	5.21	1.53	

Kane County - Portfolio Analysis - 8-31-2023 - Internal

Cusip	Name	Coupon	Maturity	Principal Cost	Current Face	USB Price - 7/31/2023	USB - Total Market Value	Yield To Worst	Eff. Duration	Purchase Date
0331617H7	ANCHORAGE-B-REF	5.00	9/1/2023	500,000	500,000	100.00	512,500	5.31	0.01	4/15/2020
1164752Z6	BROWNSVILLE UTILITY	0.80	9/1/2023	250,000	250,000	100.00	250,995	5.31	0.01	8/14/2020
551341CL2	LYNDHURST TWP BOE-REF	1.00	9/1/2023	355,000	355,000	100.00	356,775	5.31	0.01	8/20/2020
679191JL1	OK AGRICULTURAL-REV-C	1.89	9/1/2023	249,312	240,000	100.00	242,264	5.31	0.01	8/19/2020
982696RR9	WYANDOTTE USD #500-B	1.67	9/1/2023	410,000	410,000	100.00	413,428	5.31	0.01	5/29/2020
535392UL6	LINDEN	1.00	9/15/2023	373,714	374,000	99.90	375,354	5.31	0.04	9/16/2020
912797GT8	TREASURY BILL	0.00	9/19/2023	4,259,000	4,270,000	99.74	4,258,727	5.10	0.05	6/1/2023
31607A703	FIDELITY INV MMKT GOVT-INST			282,597	282,597	100.00	283,443	5.25	0.06	8/1/2023
67556PFQ9	OCOEE UTIL DIST	2.90	10/1/2023	176,494	170,000	99.79	171,692	5.40	0.08	12/18/2019
547473EE4	LOVINGTON SD #1	2.00	10/1/2023	99,912	100,000	99.83	100,662	4.03	0.08	10/22/2020
912797FA0	TREASURY BILL	0.00	10/12/2023	4,269,466	4,295,000	99.40	4,269,058	5.30	0.11	6/1/2023
46467TAG0	ISLESBORO-TXBL	4.00	10/15/2023	164,802	165,000	99.81	167,178	5.49	0.12	1/3/2020
48542REP5	KS DEV FIN AUTH-G-REF	2.10	11/1/2023	591,174	590,000	99.43	590,749	5.53	0.17	8/15/2019
64971XMC9	NYC TRANSITIONAL FIN	2.03	11/1/2023	501,064	500,000	99.43	500,543	5.43	0.17	5/27/2020
64971WXB1	NYC TRANS FIN AUTH-B2	2.80	11/1/2023	469,978	445,000	99.58	447,280	5.30	0.17	5/7/2020
912797FJ1	TREASURY BILL	0.00	11/9/2023	4,271,548	4,315,000	98.99	4,271,289	5.35	0.19	5/31/2023
052414RP6	AUSTIN TX ELEC UTIL-A	2.52	11/15/2023	593,232	595,000	99.41	595,935	5.37	0.20	11/27/2019
663903JB9	NORTHEAST OH REGL SWR	1.78	11/15/2023	398,506	400,000	99.27	399,185	5.33	0.20	5/26/2020
613478KH8	MONTGOMERY-B-REF-TXBL	3.50	12/1/2023	498,951	500,000	99.52	501,960	5.41	0.25	4/22/2020
912797FV4	TREASURY BILL	0.00	12/21/2023	634,659	645,000	98.37	634,474	5.42	0.30	6/2/2023
912796ZY8	TREASURY BILL	0.00	1/25/2024	1,428,760	1,460,000	97.86	1,428,712	5.44	0.39	7/27/2023
652233ML8	NEWPORT NEWS-B-REF	0.49	2/1/2024	591,297	600,000	97.94	587,887	5.55	0.41	6/23/2021
882830AC6	TX ST TRANS COMM	5.00	4/1/2024	500,470	500,000	99.79	509,362	5.36	0.56	12/2/2020
3130ATCD7	FEDERAL HOME LOAN BANK	4.00	6/28/2024	1,500,000	1,500,000	98.76	1,506,900	5.56	0.79	9/8/2022
3130ASEN5	FEDERAL HOME LOAN BANK	3.02	6/28/2024	1,496,974	1,500,000	98.05	1,478,723	5.46	0.80	6/27/2022
3130ATBJ5	FEDERAL HOME LOAN BANK	4.05	9/30/2024	182,410	185,000	98.50	185,371	5.49	1.02	10/17/2022
3134GWWX0	FREDDIE MAC	0.40	9/30/2024	1,000,000	1,000,000	94.58	947,468	5.63	1.05	9/28/2020
3130APU45	FEDERAL HOME LOAN BANK	0.85	11/22/2024	363,840	385,000	94.44	364,482	5.61	1.19	12/22/2021
3130ATLB1	FEDERAL HOME LOAN BANK	5.00	10/14/2025	1,393,420	1,400,000	98.82	1,410,049	5.60	1.31	10/14/2022
3134GXH98	FREDDIE MAC	3.75	1/27/2025	491,880	500,000	97.63	489,936	5.52	1.32	7/27/2022
3130ATJP3	FEDERAL HOME LOAN BANK	5.05	10/24/2025	1,750,000	1,750,000	98.84	1,760,929	5.63	1.32	10/4/2022
3130ANEJ5	FEDERAL HOME LOAN BANK	0.52	1/28/2025	1,000,000	1,000,000	93.40	934,437	5.45	1.37	7/26/2021
3136G4E74	FANNIE MAE	0.57	1/29/2025	887,557	950,000	93.45	888,275	5.45	1.37	7/29/2020
3134GX2F0	FREDDIE MAC	4.00	3/28/2025	108,273	110,000	97.83	109,487	5.45	1.41	11/1/2022
3130AL6W9	FEDERAL HOME LOAN BANK	0.40	2/18/2025	500,000	500,000	92.99	465,022	5.45	1.43	2/8/2021
3130ASZU6	FEDERAL HOME LOAN BANK	4.00	4/30/2025	246,535	250,000	97.80	244,576	5.41	1.44	8/30/2022
3130AMMG4	FEDERAL HOME LOAN BANK	0.63	2/27/2025	40,000	40,000	93.21	37,349	5.43	1.45	5/28/2021
3133EMJP8	FEDERAL FARM CREDIT BANK	0.49	3/10/2025	400,000	400,000	92.87	372,415	5.42	1.48	12/11/2020
3130ARA35	FEDERAL HOME LOAN BANK	2.00	3/24/2025	1,148,544	1,200,000	95.05	1,151,067	5.34	1.49	3/24/2022
3130ARU58	FEDERAL HOME LOAN BANK	4.00	4/28/2025	1,125,000	1,125,000	98.20	1,112,884	5.14	1.56	4/25/2022
3130ASGN3	FEDERAL HOME LOAN BANK	4.00	6/30/2025	2,338,134	2,350,000	97.64	2,310,421	5.37	1.59	6/14/2022
3130ASQJ1	FEDERAL HOME LOAN BANK	4.13	7/28/2025	1,500,000	1,500,000	97.74	1,471,742	5.39	1.59	7/14/2022
3133EMXS6	FEDERAL FARM CREDIT BANK	0.72	4/28/2025	1,550,000	1,550,000	92.87	1,443,221	5.27	1.60	5/3/2021
3134GX2M5	FREDDIE MAC	4.13	9/29/2025	172,666	175,000	97.66	173,951	5.33	1.67	9/29/2022
3130AMX31	FEDERAL HOME LOAN BANK	0.75	6/30/2025	520,000	520,000	92.29	480,579	5.21	1.77	6/28/2021
3130AJRP6	FEDERAL HOME LOAN BANK	0.68	6/30/2025	911,127	990,000	92.17	913,644	5.21	1.77	6/30/2020
3130ARNN7	FEDERAL HOME LOAN BANK	3.00	7/28/2025	1,554,464	1,600,000	95.98	1,540,096	5.24	1.79	4/28/2022
3133EMMP4	FEDERAL FARM CREDIT BANK	0.39	7/14/2025	813,731	884,000	91.52	809,460	5.21	1.81	1/14/2021
3130ARRQ6	FEDERAL HOME LOAN BANK	3.25	10/29/2025	1,000,000	1,000,000	96.16	972,614	5.15	1.94	4/25/2022
3133ENUZ1	FEDERAL FARM CREDIT BANK	3.09	10/20/2025	500,000	500,000	95.91	485,192	5.13	1.94	4/27/2022
3130APZ32	FEDERAL HOME LOAN BANK	1.25	9/16/2025	505,000	505,000	92.59	468,869	5.12	1.96	12/7/2021
3130ALU47	FEDERAL HOME LOAN BANK	0.70	9/24/2025	922,010	1,000,000	91.46	917,693	5.11	1.99	3/24/2021
3130AMUW0	FEDERAL HOME LOAN BANK	0.75	9/30/2025	499,750	500,000	91.51	459,103	5.10	2.01	6/30/2021
3133EMYD8	FEDERAL FARM CREDIT BANK	0.85	11/3/2025	923,630	1,000,000	91.53	918,116	5.01	2.10	5/3/2021
3130ANLA6	FEDERAL HOME LOAN BANK	0.75	11/26/2025	1,195,727	1,300,000	91.13	1,187,302	4.99	2.16	8/26/2021
3133EMSK9	FEDERAL FARM CREDIT BANK	0.84	3/2/2026	1,455,925	1,500,000	90.42	1,362,625	4.96	2.40	2/24/2021
3130ALTT1	FEDERAL HOME LOAN BANK	1.01	3/30/2026	640,367	700,000	90.61	637,207	4.93	2.47	3/30/2021
3130ALMV3	FEDERAL HOME LOAN BANK	1.00	3/30/2026	500,000	500,000	90.58	455,007	4.93	2.47	3/25/2021
3130AMZN5	FEDERAL HOME LOAN BANK	0.75	6/30/2026	912,600	1,000,000	90.56	906,841	4.87	2.71	6/30/2021
3133EMZ88	FEDERAL FARM CREDIT BANK	0.83	8/10/2026	991,375	1,100,000	89.04	979,940	4.88	2.83	8/10/2021
3130APWE1	FEDERAL HOME LOAN BANK	1.50	11/25/2026	1,000,000	1,000,000	90.39	907,880	4.74	3.06	11/19/2021
3130AQYG2	FEDERAL HOME LOAN BANK	2.50	2/25/2027	575,000	575,000	92.54	532,339	4.85	3.14	3/4/2022
Total		1.67		56,485,873	57,505,597		55,662,665	5.27	1.11	

Kane County - Portfolio Analysis - 8-31-2023 - Vectors

Cusip	Name	Coupon	Maturity	Principal Cost	Current Face	USB Price - 7/31/2023	USB - Total Market Value	Yield To Worst	Eff. Duration	Purchase Date
91282CEL1	US TREASURY FRN	5.34	4/30/2024	484,908	485,000	99.97	484,864	5.37	0.00	5/10/2023
31846V567	FIRST AM GOV OBLIG-Z			4,489	4,489	100.00	6,428	5.21	0.05	8/28/2023
9687175F6	WILL CO SD#30C-C-REF	3.00	10/1/2023	100,006	100,000	99.92	101,172	3.89	0.08	6/17/2020
4252005D0	HENDERSON-B-REF	4.00	6/1/2024	100,000	100,000	100.04	101,039	3.44	0.09	8/14/2020
405540DZ5	HALEDON	2.00	10/15/2023	179,671	180,000	99.70	180,816	4.45	0.12	7/2/2020
912797FJ1	TREASURY BILL	0.00	11/9/2023	866,325	875,000	98.99	866,136	5.35	0.19	5/31/2023
3130ARZ95	FEDERAL HOME LOAN BANK	2.70	11/24/2023	2,000,000	2,000,000	99.30	2,000,530	5.74	0.23	5/3/2022
276482ACO	EASTERN GATEWAY CMNTY	3.00	12/1/2023	200,047	200,000	99.85	201,196	3.59	0.25	6/26/2020
860605CU6	STICKNEY-REF	4.00	12/1/2023	150,280	150,000	100.09	151,641	3.59	0.25	5/21/2020
769142JE1	RIVERSIDE VLG-A	5.00	12/1/2023	170,628	170,000	100.34	172,705	3.58	0.25	4/16/2020
912797FT9	TREASURY BILL	0.00	12/7/2023	769,153	780,000	98.58	768,947	5.37	0.26	6/8/2023
912797FV4	TREASURY BILL	0.00	12/21/2023	723,155	735,000	98.37	723,005	5.42	0.30	6/27/2023
3130ASKE8	FEDERAL HOME LOAN BANK	3.30	12/28/2023	1,432,963	1,450,000	99.27	1,446,955	5.57	0.32	6/28/2022
070372NC7	BATAVIA-REF	3.00	1/1/2024	125,018	125,000	99.77	125,334	3.69	0.33	5/26/2020
877792ED9	PEKIN CMTY HSD #303	4.00	1/1/2024	155,404	155,000	100.10	156,187	3.68	0.33	9/8/2020
67910HPN4	OK MUNI PWR AUTH-B	5.00	1/1/2024	251,331	250,000	100.44	253,186	3.63	0.33	7/31/2020
27649EFU8	EASTERN HANCOCK	2.00	1/15/2024	269,049	270,000	99.12	268,311	4.39	0.37	10/22/2020
128534FX7	CALCASIEU SD #34-REF	3.00	1/15/2024	500,499	500,000	99.77	500,762	3.62	0.37	4/6/2020
9128285Z9	US TREASURY N/B	2.50	1/31/2024	901,506	910,000	98.80	901,031	5.45	0.41	5/11/2023
519357PD3	LAVACA SCH DT #3-REF	0.75	2/1/2024	153,498	155,000	98.35	152,535	4.79	0.41	8/6/2020
24405RDA6	DEER MOUNT JUDEA SD	1.00	2/1/2024	99,074	100,000	98.63	98,714	4.34	0.41	7/30/2020
483782MQ8	KANE ETC SD #302-REF	5.00	2/1/2024	659,606	655,000	100.54	661,240	3.68	0.41	4/24/2020
265435CR6	DUNELLEN BOBO ROE	2.00	2/15/2024	198,937	200,000	98.86	197,898	4.55	0.45	10/15/2020
767142QJ4	RIO HONDO ISD-REF	3.00	2/15/2024	240,206	240,000	99.63	239,432	3.82	0.45	6/18/2020
3130AT2N6	FEDERAL HOME LOAN BANK	3.70	2/28/2024	1,000,000	1,000,000	99.10	991,258	5.59	0.48	8/23/2022
3136G4Z97	FANNIE MAE	0.38	2/28/2024	1,000,000	1,000,000	97.51	975,081	5.59	0.48	8/25/2020
968767MF7	WILL SD #86 REF-A-REF	4.00	3/1/2024	115,557	115,000	100.16	117,486	3.67	0.48	8/13/2020
912797GP6	TREASURY BILL	0.00	2/29/2024	29,197	30,000	97.35	29,204	5.48	0.49	8/30/2023
869315C66	SUSSEX VLG -A	2.00	3/1/2024	139,335	140,000	98.90	139,854	4.26	0.49	6/29/2020
974730EA7	WINNECONNE WI CMNTY S	2.50	4/1/2024	99,903	100,000	99.22	100,264	3.86	0.57	7/2/2020
485429Y73	KANSAS ST DEV FIN AUT	3.64	4/15/2024	1,179,370	1,065,000	98.73	1,066,134	5.74	0.60	9/17/2020
491836TY8	KEOKUK-REF	3.00	5/1/2024	200,312	200,000	99.55	201,100	3.69	0.65	6/25/2020
88213ALU7	TX ST BRD RGTS A&M-D	2.76	5/15/2024	1,746,097	1,720,000	98.17	1,702,564	5.43	0.68	7/7/2020
079235DC8	BELLEVUE CITY MUNI	1.57	9/15/2024	771,717	770,000	98.02	760,304	5.44	0.71	4/1/2020
938650SC3	WASHINGTON CO-C	2.45	6/1/2024	246,724	250,000	97.78	245,991	5.50	0.73	9/2/2020
604146EH9	MINNESOTA ST GEN FUND	2.00	6/1/2024	703,333	670,000	97.48	656,466	5.47	0.73	11/5/2020
120525HS2	BUNCOMBE CO-REV- B	1.80	6/1/2024	438,740	405,000	97.36	396,114	5.44	0.73	4/7/2020
864784GR8	SUFFOLK CO WTR AUTH -	0.75	6/1/2024	710,836	700,000	96.52	676,946	5.55	0.73	12/15/2020
70917TBK6	PA HGR EDUCNTL-AY-REF	0.88	6/15/2024	503,100	500,000	96.36	482,719	5.66	0.77	10/1/2020
109409GE6	BRIGHTON CSD	2.13	6/15/2024	99,604	100,000	98.55	99,003	4.00	0.77	10/2/2020
64972H5D0	NYC TRANSITIONAL FIN	0.64	7/15/2024	1,453,834	1,500,000	95.74	1,437,387	5.71	0.85	4/25/2022
079581EF7	BELLMAWR BORO	0.50	7/15/2024	397,602	410,000	95.99	393,805	5.27	0.85	8/10/2020
64971X5F1	NYC TRANSIT-A3-UNREFD	2.85	8/1/2024	945,000	945,000	97.54	923,960	5.64	0.89	8/11/2020
64971X5E4	NYC TRANSIT-A3-PREREF	2.85	8/1/2024	55,000	55,000	97.54	53,776	5.64	0.89	8/11/2020
9281726K6	VA ST PUB BLDG AUTH-C	1.91	8/1/2024	1,009,459	1,000,000	96.72	968,804	5.63	0.89	5/29/2020
576051VX1	MA WTR RESOURCES AUTH	1.86	8/1/2024	210,950	200,000	96.72	193,748	5.58	0.89	10/21/2020
291065GW4	EMERSON	1.00	8/15/2024	313,011	320,000	96.43	308,718	4.87	0.93	8/7/2020
73474TA86	MORROW PORT TRANS FAC	3.22	9/1/2024	246,353	250,000	97.81	248,554	5.50	0.95	12/7/2020
708612BC9	PENNSVILLE BOE	2.50	9/1/2024	99,110	100,000	97.84	99,086	4.74	0.96	9/16/2020
551341CM0	LYNDHURST TWP BOE-REF	1.00	9/1/2024	248,758	255,000	96.16	246,480	4.99	0.97	8/20/2020
4140185L1	HARRIS CO FLOOD-B-REF	3.21	10/1/2024	1,105,413	1,000,000	97.72	990,549	5.41	1.03	12/11/2020
882723PS2	TEXAS ST-TXBL-REF-B	3.09	10/1/2024	344,620	350,000	97.79	346,769	5.22	1.04	3/16/2020
675136AK1	OCEAN TWP NJ MONMOUTH	3.00	11/1/2024	75,075	75,000	99.11	75,082	3.79	1.12	7/9/2020
510281GE2	LAKE LOC SD-A-TXBL	4.00	12/1/2024	794,558	635,000	98.23	630,111	5.48	1.19	4/22/2020
880558AN1	TN BOND AUTH-B-TXBL	3.13	5/1/2025	347,023	355,000	97.08	348,322	5.37	1.30	9/16/2022
92778VEU8	VIRGINIA ST CLG BLDG	2.72	2/1/2025	464,259	450,000	96.41	434,856	5.39	1.37	1/25/2021
519357PE1	LAVACA SCH DT #3-REF	0.75	2/1/2025	147,813	150,000	94.66	142,078	4.69	1.39	8/6/2020
678553BT4	OKLAHOMA CITY OK ECON	0.92	3/1/2025	474,962	500,000	93.58	470,185	5.43	1.44	9/10/2021
64971XLQ9	NYC TRANS FIN AUTH-A4	2.01	5/1/2025	938,116	970,000	94.77	925,749	5.33	1.59	6/2/2022
64971X6G8	NYC TRANS-C-2-UNREFD	1.00	5/1/2025	692,025	690,000	93.19	645,311	5.32	1.61	10/1/2020
64971X5Y0	NYC TRANS-C-2-PRERFD	1.00	5/1/2025	30,088	30,000	93.24	28,073	5.29	1.61	10/1/2020
864784GS6	SUFFOLK CO WTR AUTH -	0.91	6/1/2025	698,286	700,000	92.87	651,655	5.23	1.69	12/7/2020
09088RP34	BIRMINGHAM-C-TXBL	0.88	6/1/2025	398,946	395,000	92.79	367,409	5.25	1.69	1/28/2021
60416TQY7	MN HSG FIN AGY-E-TXBL	3.19	7/1/2025	490,000	490,000	95.61	471,066	5.74	1.73	5/12/2022
91412GU94	UNIV CA-AX-TXBL	3.06	7/1/2025	939,096	900,000	96.42	872,330	5.13	1.74	8/24/2020
912828XZ8	US TREASURY N/B	2.75	6/30/2025	1,298,063	1,350,000	96.20	1,305,096	4.94	1.74	7/27/2023
39081HCH3	GREAT LAKES WTR AUTH	1.65	7/1/2025	499,369	500,000	93.91	470,943	5.18	1.76	10/28/2021
898797HT5	TUCSON WTR SYS REV	0.85	7/1/2025	811,000	800,000	92.12	738,088	5.42	1.77	12/11/2020
592112UB0	NASHVILLE DAVIDSON CO	0.61	7/1/2025	577,619	600,000	91.75	551,098	5.40	1.77	6/23/2021
64966WFJ1	NYC HSG DEV CORP -D	1.30	8/1/2025	302,703	300,000	92.50	277,828	5.47	1.84	12/11/2020
033162CT3	ANCHORAGE AK	0.71	8/1/2025	1,005,210	1,000,000	91.72	917,835	5.31	1.85	12/11/2020
798135E88	SAN JOSE-B-TXBL	2.45	9/1/2025	500,479	515,000	94.88	494,956	5.18	1.89	6/8/2022
64971Q7K3	NYC TRANSTNL FIN-TXBL	3.75	11/1/2025	1,041,192	1,000,000	97.15	984,010	5.15	1.97	1/11/2021
7342606W7	PORT HOUSTON AUTH-B	2.25	10/1/2025	525,168	560,000	94.07	532,020	5.30	1.97	10/3/2022
655867J34	NORFOLK-C-TXBL-REF	0.70	10/1/2025	465,934	500,000	91.81	460,507	4.88	2.01	8/4/2021
44244CXP7	HOUSTON TX UTIL SYS-C	1.95	11/15/2025	411,797	430,000	93.16	403,047	5.27	2.10	5/5/2021
172311RL8	CINCINNATI WTR SYS	1.00	12/1/2025	563,401	590,000	91.76	542,871	4.91	2.17	11/1/2021

Kane County - Portfolio Analysis - 8-31-2023 - Vectors

Cusip	Name	Coupon	Maturity	Principal Cost	Current Face	USB Price - 7/31/2023	USB - Total Market Value	Yield To Worst	Eff. Duration	Purchase Date
484062LY8	KANE CO ETC CMNTY CLG	1.00	12/15/2025	880,262	945,000	90.74	859,516	5.35	2.20	2/3/2021
483854HU2	KANE COOK & DU PAGE C	0.70	12/15/2025	813,481	875,000	90.63	794,279	5.09	2.21	1/25/2021
419791YT9	HI ST-TXB-DX-BABS	5.33	2/1/2026	1,116,342	1,045,000	100.42	1,054,010	5.14	2.23	7/27/2022
36179YDL5	G2 MA9107	6.00	8/20/2053	2,502,031	2,500,000	100.38	2,521,950	5.94	2.24	8/14/2023
09088RU20	BIRMINGHAM -TXBL -REF	2.00	3/1/2026	378,888	400,000	92.90	375,616	5.06	2.35	1/6/2022
160357XE4	CHARLESTON -TXBL	1.25	3/1/2026	718,207	770,000	91.41	708,685	4.94	2.38	5/21/2021
396041AE5	GREENVILLE CO SC-A	1.36	4/1/2026	499,140	500,000	90.75	456,588	5.23	2.46	11/11/1911
544445ZN2	LOS ANGELES ARPT-F	2.04	5/15/2026	249,895	250,000	92.57	232,932	5.01	2.55	3/1/2022
59163PKJ1	METRO OR-TXBL	3.25	6/1/2026	745,292	550,000	94.93	526,578	5.25	2.55	6/9/2021
158855EW2	CHANDLER-REV-REF-TXBL	1.39	7/1/2026	237,000	240,000	90.63	218,066	4.98	2.70	2/1/2022
68583RDA7	OR CMNTY CLG DT-TXBL	1.15	6/30/2026	90,951	90,000	89.76	80,956	5.07	2.70	9/21/2021
79730CJK1	SAN DIEGO PUB FACS-B	1.90	8/1/2026	565,371	595,000	91.67	546,368	5.01	2.76	2/23/2022
010268CN8	ALABAMA FEDERAL AID	1.27	9/1/2026	500,890	500,000	90.17	454,015	4.83	2.85	10/28/2021
36179X5H5	G2 MA8948	5.50	6/20/2053	1,298,948	1,298,948	98.99	1,291,769	5.69	3.26	6/26/2023
36179X5G7	G2 MA8947	5.00	6/20/2053	1,284,834	1,299,864	97.32	1,270,391	5.47	4.03	6/26/2023
Total		2.51		52,522,403	52,283,301		50,744,429	5.28	1.35	

Kane County - Portfolio Analysis - 8-31-2023 - PFMAM

Cusip	Name	Coupon	Maturity	Principal Cost	Current Face	USB Price - 7/31/2023	USB - Total Market Value	Yield To Worst	Eff. Duration	Purchase Date
64966QEF3	NEW YORK-B-2	1.74	10/1/2023	1,021,667	1,000,000	99.72	1,004,430	5.10	0.08	5/20/2020
882723A74	TEXAS ST-C-REF-TXBL	2.53	10/1/2023	706,036	655,000	99.79	660,519	5.03	0.08	8/3/2020
	Cash	0.00		740,626	740,626	100.00	740,626	5.41	0.10	8/31/2023
3133EMFB3	FEDERAL FARM CREDIT BANK	0.29	11/2/2023	30,000	30,000	99.09	29,756	5.70	0.17	11/4/2020
63873KYA9	NATIXIS		11/10/2023	1,948,281	2,000,000	98.93	1,978,620	5.50	0.19	5/15/2023
3133EMHL9	FEDERAL FARM CREDIT BANK	0.31	11/30/2023	235,000	235,000	98.69	232,113	5.61	0.24	11/30/2020
871089GX0	SWITZERLAND OF OHIO	2.11	12/1/2023	329,749	330,000	99.15	328,925	5.54	0.25	11/6/2019
59157UYV6	METLIFE SHORT		11/29/2023	1,944,074	2,000,000	98.64	1,972,800	5.52	0.25	5/15/2023
498260GY8	KITTITAS CO SD #401	5.00	12/1/2023	202,824	175,000	100.40	177,881	3.36	0.25	4/24/2020
3130AKK21	FEDERAL HOME LOAN BANK	0.25	12/8/2023	601,319	600,000	98.55	591,664	5.70	0.26	12/15/2020
465468DG8	ITASCA ISD #318-A-REF	2.65	2/1/2024	526,944	500,000	98.80	495,124	5.58	0.41	3/9/2020
62479LB20	MUFG BANK LTD NY BRA		2/2/2024	1,922,876	2,000,000	97.55	1,950,900	5.78	0.42	5/9/2023
486063Z52	KATY TX INDEP SCH DIS	2.02	2/15/2024	473,544	470,000	98.55	463,606	5.27	0.45	1/9/2020
756843B56	RED OAK ISD-A-REF	5.00	2/15/2024	207,015	175,000	100.72	176,645	3.39	0.45	6/26/2020
3130ARYU9	FEDERAL HOME LOAN BANK	3.00	2/23/2024	1,600,000	1,600,000	98.79	1,581,675	5.60	0.47	5/23/2022
17327AC13	CITIGROUP GLOBAL MKTS		3/1/2024	1,438,360	1,500,000	97.07	1,456,095	5.84	0.50	6/7/2023
3130ASKC2	FEDERAL HOME LOAN BANK	3.45	3/28/2024	2,000,000	2,000,000	98.82	2,005,805	5.55	0.55	6/24/2022
3130ARFB2	FEDERAL HOME LOAN BANK	2.55	3/28/2024	600,000	600,000	98.33	593,957	5.53	0.55	3/18/2022
3130ATNX1	FEDERAL HOME LOAN BANK	5.00	4/26/2024	2,500,000	2,500,000	99.56	2,532,478	5.68	0.57	10/13/2022
3133EMVD1	FEDERAL FARM CREDIT BANK	0.33	4/5/2024	500,000	500,000	96.96	485,484	5.59	0.58	4/5/2021
20772KGN3	CONNECTICUT ST-A-TXBL	3.04	4/15/2024	545,257	500,000	98.61	498,769	5.34	0.60	3/5/2020
06051GK57	BANK OF AMERICA CORP	3.84	4/25/2025	1,000,814	1,020,000	98.56	1,019,004	6.13	0.63	6/28/2023
416848XR5	HARTLAND CONSOL SD-I	2.25	5/1/2024	265,660	250,000	98.82	248,923	4.06	0.65	10/15/2020
912828WJ5	US TREASURY N/B	2.50	5/15/2024	1,232,831	1,265,000	97.96	1,248,574	5.48	0.68	5/31/2023
172967NQ0	CITIGROUP INC	4.14	5/24/2025	491,670	500,000	98.66	493,688	6.04	0.70	7/3/2023
3133EMAB8	FEDERAL FARM CREDIT BANK	0.39	6/17/2024	674,992	675,000	96.03	648,757	5.56	0.77	10/6/2020
3130ASQN2	FEDERAL HOME LOAN BANK	3.55	7/26/2024	2,000,000	2,000,000	98.32	1,973,363	5.47	0.87	7/14/2022
880541QU4	TENNESSEE ST-C-TXBL	3.73	8/1/2024	478,204	475,000	98.40	468,866	5.54	0.89	9/12/2022
64966MEF2	NEW YORK	2.11	8/1/2024	1,056,886	1,000,000	96.97	971,448	5.55	0.89	8/28/2020
3133EL4J0	FEDERAL FARM CREDIT BANK	0.47	8/19/2024	1,985,026	1,985,000	95.32	1,892,393	5.51	0.94	8/13/2020
3133EL6V1	FEDERAL FARM CREDIT BANK	0.43	9/10/2024	1,000,007	1,000,000	95.02	952,253	5.49	1.00	9/10/2020
3133EMBD3	FEDERAL FARM CREDIT BANK	0.36	9/24/2024	35,002	35,000	94.79	33,230	5.47	1.04	10/1/2020
97705MBK0	WISCONSIN ST-1-REF	5.00	11/1/2024	115,884	100,000	101.93	103,599	3.29	1.12	4/29/2020
3133EMFP2	FEDERAL FARM CREDIT BANK	0.44	11/4/2024	2,339,897	2,340,000	94.33	2,210,668	5.49	1.14	10/30/2020
95000U2K8	WELLS FARGO & COMPANY	2.16	2/11/2026	499,398	530,000	94.55	501,736	6.17	1.39	6/28/2023
5978516S8	MIDLOTHIAN TX INDEP S	5.00	2/15/2025	887,903	750,000	99.55	748,284	5.32	1.39	10/15/2020
649791PQ7	NEW YORK ST	2.12	2/15/2025	531,232	500,000	95.56	478,291	5.33	1.41	5/20/2021
882806HG0	TEXAS ST TECH UNIV RE	0.94	2/15/2025	507,535	500,000	93.85	469,463	5.39	1.42	6/2/2021
46647PCV6	JPMORGAN CHASE & CO	2.60	2/24/2026	987,678	1,040,000	95.50	993,766	5.81	1.42	6/28/2023
4423315U4	HOUSTON TX-B-TXBL-REF	2.11	3/1/2025	1,498,656	1,415,000	95.16	1,361,499	5.51	1.43	10/21/2020
649791LU2	NEW YORK ST-TXBL-B	2.80	3/15/2025	233,674	220,000	96.34	214,791	5.31	1.46	11/16/2021
3133EMSC7	FEDERAL FARM CREDIT BANK	0.48	3/3/2025	1,263,780	1,270,000	93.01	1,184,292	5.37	1.46	2/26/2021
649791RA0	NY ST-B-TXBL GROUP 1	0.91	3/15/2025	1,011,782	1,000,000	93.60	940,236	5.29	1.48	3/25/2021
91282CGU9	US TREASURY N/B	3.88	3/31/2025	2,466,602	2,500,000	98.19	2,495,537	5.08	1.49	5/26/2023
115637AS9	BROWN-FORMAN CORP	3.50	4/15/2025	491,470	500,000	97.04	491,826	5.43	1.50	5/12/2023
914455UC2	UNIV OF MICHIGAN MI	1.00	4/1/2025	761,766	750,000	93.53	704,613	5.32	1.53	6/29/2020
91282CGX3	US TREASURY N/B	3.88	4/30/2025	2,476,660	2,500,000	98.18	2,487,243	5.02	1.57	5/23/2023
857477CB7	STATE STREET CORP	5.10	5/18/2026	750,000	750,000	99.11	754,307	5.65	1.59	5/15/2023
06405LAD3	BANK OF NEW YORK MELLON	5.15	5/22/2026	1,180,000	1,180,000	99.40	1,189,252	5.51	1.60	5/17/2023
3133ELC28	FEDERAL FARM CREDIT BANK	0.73	5/27/2025	356,754	355,000	92.63	329,524	5.22	1.68	5/27/2020
127145LF5	CACHE CO-REF	3.00	6/15/2025	546,680	500,000	96.06	483,462	5.34	1.70	5/19/2021
3133ELK37	FEDERAL FARM CREDIT BANK	0.78	6/16/2025	260,011	260,000	92.46	240,819	5.24	1.73	6/11/2020
341271AD6	FLORIDA ST BRD OF ADM	1.26	7/1/2025	3,719,129	3,715,000	92.99	3,462,293	5.32	1.76	9/11/2020
3137FJXQ7	FHMS K733 A2	3.75	8/25/2025	498,487	512,694	97.07	499,285	5.30	1.77	8/10/2023
05565ECC7	BMW US CAPITAL LLC	5.30	8/11/2025	794,952	795,000	99.65	794,590	5.49	1.82	8/8/2023
64966QCB4	NEW YORK-A-2	2.28	8/1/2025	1,052,250	1,000,000	94.59	947,840	5.28	1.83	3/18/2021
64966QWV8	NEW YORK -A-2-TXBL	0.84	8/1/2025	685,238	735,000	92.02	676,847	5.27	1.85	5/3/2022
053015AE3	AUTOMATIC DATA PROCESSNG	3.38	9/15/2025	987,839	1,015,000	96.74	997,707	5.08	1.86	5/24/2023
419792YQ3	HAWAII ST-FZ	0.67	8/1/2025	497,789	495,000	91.95	455,434	5.13	1.86	11/12/2020
437076BK7	HOME DEPOT INC	3.35	9/15/2025	367,849	375,000	96.56	367,893	5.15	1.86	5/12/2023
20772J3K6	CONNECTICUT-A-TXBL	2.52	8/15/2025	2,309,050	2,315,000	95.34	2,209,737	5.05	1.87	4/1/2022
544351KU2	LOS ANGELES-A-REF-TXB	3.05	9/1/2025	561,953	500,000	96.28	489,005	5.03	1.88	12/10/2020
3134GWND4	FREDDIE MAC	0.60	8/12/2025	1,000,058	1,000,000	91.65	916,847	5.16	1.89	8/6/2020
69371RS23	PACCAR FINANCIAL CORP	4.95	10/3/2025	507,365	500,000	99.70	508,675	5.10	1.92	5/11/2023
02665WDN8	AMERICAN HONDA FINANCE	1.00	9/10/2025	463,665	500,000	91.65	460,625	5.41	1.94	5/11/2023
637432NG6	NATIONAL RURAL UTIL COOP	3.25	11/1/2025	486,445	500,000	95.69	483,842	5.38	2.00	5/11/2023
92826CAD4	VISA INC	3.15	12/14/2025	733,838	750,000	95.90	724,303	5.07	2.11	5/11/2023
3134GXFA7	FREDDIE MAC	0.65	11/26/2025	996,594	1,000,000	90.93	910,965	4.99	2.16	3/25/2021
742718FY0	PROCTER & GAMBLE CO/THE	4.10	1/26/2026	755,415	750,000	98.62	742,640	4.71	2.25	5/11/2023
3135G06Q1	FANNIE MAE	0.64	12/30/2025	1,904,524	1,900,000	90.42	1,720,059	5.04	2.25	12/23/2020
24422EWT2	JOHN DEERE CAPITAL CORP	5.05	3/3/2026	729,285	725,000	100.10	743,857	5.01	2.26	7/21/2023
38143UH87	GOLDMAN SACHS GROUP INC	3.75	2/25/2026	495,131	515,000	95.92	494,284	5.53	2.28	8/10/2023
824178ZK6	SHERMAN ISD -A-TXBL	4.00	2/15/2026	572,905	500,000	97.66	489,169	5.03	2.30	7/20/2021
3130AKN85	FEDERAL HOME LOAN BANK	0.55	1/20/2026	200,000	200,000	90.08	180,277	5.01	2.31	1/19/2021
3130AKXQ4	FEDERAL HOME LOAN BANK	0.60	2/12/2026	1,000,000	1,000,000	90.02	900,487	4.98	2.37	2/8/2021
3133EMUK6	FEDERAL FARM CREDIT BANK	1.05	3/25/2026	1,200,000	1,200,000	90.74	1,094,352	4.93	2.45	3/25/2021
14913UAA8	CATERPILLAR FINL SERVICE	4.35	5/15/2026	459,784	460,000	98.42	458,642	4.98	2.48	5/8/2023

Kane County - Portfolio Analysis - 8-31-2023 - PFMAM

Cusip	Name	Coupon	Maturity	Principal Cost	Current Face	USB Price - 7/31/2023	USB - Total Market Value	Yield To Worst	Eff. Duration	Purchase Date
89236TKT1	TOYOTA MOTOR CREDIT CORP	4.45	5/18/2026	634,632	635,000	98.61	634,246	5.00	2.48	5/15/2023
771196BK7	ROCHE HOLDINGS INC	2.63	5/15/2026	479,575	500,000	94.27	475,215	4.91	2.50	5/12/2023
023135BX3	AMAZON.COM INC	1.00	5/12/2026	456,890	500,000	90.37	453,364	4.85	2.58	5/12/2023
02665WEK3	AMERICAN HONDA FINANCE	5.25	7/7/2026	419,483	420,000	100.16	423,992	5.19	2.59	7/5/2023
857477CD3	STATE STREET CORP	5.27	8/3/2026	570,000	570,000	100.02	572,451	5.26	2.62	7/31/2023
94988J6D4	WELLS FARGO BANK NA	5.45	8/7/2026	994,920	995,000	100.32	1,001,468	5.33	2.63	8/2/2023
20772KNX3	CONNECTICUT -TXBL -A	1.12	6/1/2026	224,475	250,000	90.50	226,947	4.86	2.63	6/15/2022
06428CAA2	BANK OF AMERICA NA	5.53	8/18/2026	495,000	495,000	100.49	498,393	5.34	2.65	8/14/2023
20772KJY6	CONNECTICUT ST-A-TXBL	2.35	7/1/2026	939,206	925,000	93.35	867,120	4.89	2.67	2/9/2022
64966QRK8	NYC -TXBL -REF -D	1.22	8/1/2026	909,511	1,000,000	89.51	896,083	5.14	2.79	6/3/2022
54438CYL0	LOS ANGELES CCD-REF	1.17	8/1/2026	601,778	600,000	89.35	536,657	5.16	2.79	11/2/2021
9128282A7	US TREASURY N/B	1.50	8/15/2026	2,346,387	2,500,000	91.66	2,293,232	4.55	2.82	5/11/2023
3133EM3T7	FEDERAL FARM CREDIT BANK	0.87	9/1/2026	1,250,423	1,250,000	88.97	1,117,538	4.87	2.87	9/1/2021
3133ENBK5	FEDERAL FARM CREDIT BANK	1.14	10/20/2026	499,000	500,000	89.47	449,429	4.80	2.99	10/20/2021
3137BV282	FHMS K063 A2	3.43	1/25/2027	1,707,874	1,760,000	95.23	1,681,026	4.99	3.00	5/18/2023
91282CDG3	US TREASURY N/B	1.13	10/31/2026	2,284,082	2,500,000	90.15	2,263,177	4.50	3.02	5/19/2023
912828YX2	US TREASURY N/B	1.75	12/31/2026	2,354,980	2,500,000	91.66	2,299,090	4.47	3.15	5/11/2023
64966MWN5	NEW YORK-E-2-TXBL	3.55	3/1/2027	353,005	345,000	95.23	334,650	5.06	3.16	8/1/2022
3133ENLZ1	FEDERAL FARM CREDIT BANK	1.78	1/26/2027	1,200,000	1,200,000	90.56	1,088,809	4.82	3.20	1/26/2022
3137F1G44	FHMS K065 A2	3.24	4/25/2027	1,010,946	1,055,000	94.35	998,286	4.95	3.27	6/8/2023
91282CEF4	US TREASURY N/B	2.50	3/31/2027	2,416,211	2,500,000	93.70	2,368,873	4.42	3.31	5/11/2023
91282CAD3	US TREASURY N/B	0.38	7/31/2027	2,192,285	2,500,000	85.71	2,143,590	4.39	3.78	5/15/2023
91282CGH8	US TREASURY N/B	3.50	1/31/2028	2,467,676	2,500,000	96.70	2,425,084	4.33	4.00	5/19/2023
91282CAU5	US TREASURY N/B	0.50	10/31/2027	2,189,551	2,500,000	85.44	2,140,237	4.36	4.01	5/15/2023
9128284N7	US TREASURY N/B	2.88	5/15/2028	2,395,996	2,500,000	93.98	2,370,814	4.30	4.27	5/19/2023
Total		2.23		103,835,453	105,233,320		100,581,001	5.15	1.85	

Kane County

Finance Committee

SEPTEMBER 27, 2023

Treasurer

	# of Position Titles	2024 Second Review
Positions – Filled	15	\$ 695,368
Positions - Vacant	0	0
Total	15	\$ 695,368



FY24 GF First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
REVENUE								
Department 150 - Treasurer/Collector								
Sub-Department 000 - Revenues								
001.150.000.30010	Back Taxes- Interest and Penalty	1,177,420.18	2,576,450.92	1,643,871.89	.00	1,500,000.00	1,500,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Back Taxes - Interest and Penalty					1.0000	1,500,000.00	1,500,000.00
							First Review Budget Totals	\$1,500,000.00
001.150.000.39000	Transfer From Other Funds	86,697.00	60,917.00	.00	.00	.00	.00	.00
001.150.000.39268	Transfer from Fund 268	.00	.00	96,515.00	.00	21,000.00	21,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Transfer from Fund 268					1.0000	21,000.00	21,000.00
							First Review Budget Totals	\$21,000.00
Sub-Department 000 - Revenues Totals		\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$0.00
Department 150 - Treasurer/Collector Totals		\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$0.00
REVENUE TOTALS		\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$0.00
EXPENSE								
Department 150 - Treasurer/Collector								
Sub-Department 150 - Treasurer/Collector								
001.150.150.40000	Salaries and Wages	600,475.78	626,934.06	679,309.38	557,825.60	498,946.00	626,466.00	127,520.00
Position Transactions								
<i>Level</i>	<i>Position</i>							<i>Total Amount</i>
First Review Budget	915011001 - Elected Official Treasurer							105,000.00
First Review Budget	915011004 - Chief Deputy Treasurer							99,274.00
First Review Budget	915012004 - Director of Financial Operations							85,000.00
First Review Budget	915012005 - Staff Accountant							58,196.00
First Review Budget	915016007 - Senior Staff Accountant							74,337.00
First Review Budget	915016010 - Collections Processor							36,255.00
First Review Budget	915016017 - Customer Service Manager							56,220.00
First Review Budget	915016019 - Staff Accountant							47,994.00
First Review Budget	915016021 - Financial Analyst							27,755.00
First Review Budget	915016022 - Senior Collections Processor							36,435.00
							First Review Budget Totals	\$626,466.00
001.150.150.40009	Salaries and Wages Subsidy	(19,377.33)	.00	.00	.00	.00	.00	.00
001.150.150.45000	Healthcare Contribution	86,881.11	100,820.43	127,602.38	85,531.22	142,980.00	.00	(142,980.00)



FY24 GF First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
EXPENSE								
Department 150 - Treasurer/Collector								
Sub-Department 150 - Treasurer/Collector								
001.150.150.45009	Healthcare Subsidy	(4,242.02)	.00	.00	.00	.00	.00	.00
001.150.150.45010	Dental Contribution	3,000.26	3,074.92	3,013.09	2,047.71	3,688.00	.00	(3,688.00)
001.150.150.45019	Dental Subsidy	(114.28)	.00	.00	.00	.00	.00	.00
001.150.150.52130	Repairs and Maint- Computers	2,280.00	2,280.00	1,710.00	1,710.00	.00	.00	.00
001.150.150.52140	Repairs and Maint- Copiers	128.34	90.93	114.78	55.75	.00	.00	.00
001.150.150.53060	General Printing	10,042.53	20,155.44	21,227.27	7,546.40	22,000.00	22,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	General Printing					1.0000	22,000.00	22,000.00
							First Review Budget Totals	\$22,000.00
001.150.150.53070	Legal Printing	.00	52,316.05	37,483.32	307.35	27,000.00	27,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Legal Printing					1.0000	27,000.00	27,000.00
							First Review Budget Totals	\$27,000.00
001.150.150.53100	Conferences and Meetings	.00	.00	1,184.77	.00	.00	.00	.00
001.150.150.53120	Employee Mileage Expense	356.81	299.78	600.70	322.25	2,500.00	2,500.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Employee Mileage Expense					1.0000	2,500.00	2,500.00
							First Review Budget Totals	\$2,500.00
001.150.150.53130	General Association Dues	.00	.00	2,125.00	200.00	.00	.00	.00
001.150.150.55000	Miscellaneous Contractual Exp	.00	.00	250.00	403.70	2,280.00	2,280.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Alarm Detection Services					1.0000	2,280.00	2,280.00
							First Review Budget Totals	\$2,280.00



FY24 GF First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
EXPENSE								
Department 150 - Treasurer/Collector								
Sub-Department 150 - Treasurer/Collector								
001.150.150.60000	Office Supplies	2,384.72	4,040.41	6,261.64	3,224.98	4,000.00	4,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Office Supplies		1.0000		4,000.00		4,000.00
First Review Budget Totals								\$4,000.00
001.150.150.60010	Operating Supplies	1,112.55	395.00	395.00	419.00	1,000.00	1,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Operating Supplies		1.0000		1,000.00		1,000.00
First Review Budget Totals								\$1,000.00
001.150.150.60020	Computer Related Supplies	1,674.25	3,663.22	3,406.52	2,387.30	3,700.00	3,700.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Computer Related Supplies		1.0000		3,700.00		3,700.00
First Review Budget Totals								\$3,700.00
001.150.150.60050	Books and Subscriptions	.00	.00	.00	2,206.06	.00	.00	.00
001.150.150.60055	Office Equipment - Non Capital	.00	.00	4,316.42	.00	.00	.00	.00
001.150.150.70050	Printers	.00	.00	.00	17,830.87	.00	.00	.00
Sub-Department 150 - Treasurer/Collector Totals		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	(\$19,148.00)
Department 150 - Treasurer/Collector Totals		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	(\$19,148.00)
EXPENSE TOTALS		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	(\$19,148.00)
Fund 001 - General Fund Totals								
REVENUE TOTALS		\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$0.00
EXPENSE TOTALS		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	(\$19,148.00)
Fund 001 - General Fund Totals		\$579,514.46	\$1,823,297.68	\$851,386.62	(\$682,018.19)	\$812,906.00	\$832,054.00	\$19,148.00
Net Grand Totals								
REVENUE GRAND TOTALS		\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$0.00
EXPENSE GRAND TOTALS		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	(\$19,148.00)
Net Grand Totals		\$579,514.46	\$1,823,297.68	\$851,386.62	(\$682,018.19)	\$812,906.00	\$832,054.00	\$19,148.00



FY24 GF Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
REVENUE									
Department 150 - Treasurer/Collector									
Sub-Department 000 - Revenues									
Fines									
001.150.000.30010	Back Taxes- Interest and Penalty	1,177,420.18	2,576,450.92	1,643,871.89	.00	1,500,000.00	1,500,000.00	1,500,000.00	.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
Second Review Budget	Back Taxes - Interest and Penalty					1.0000	1,500,000.00	1,500,000.00	
								Second Review Budget Totals	\$1,500,000.00
<i>Fines Totals</i>		\$1,177,420.18	\$2,576,450.92	\$1,643,871.89	\$0.00	\$1,500,000.00	\$1,500,000.00	\$1,500,000.00	\$0.00
<i>Transfers In</i>									
001.150.000.39000	Transfer From Other Funds	86,697.00	60,917.00	.00	.00	.00	.00	.00	.00
001.150.000.39268	Transfer from Fund 268	.00	.00	96,515.00	.00	21,000.00	21,000.00	21,000.00	.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
Second Review Budget	Transfer from Fund 268					1.0000	21,000.00	21,000.00	
								Second Review Budget Totals	\$21,000.00
<i>Transfers In Totals</i>		\$86,697.00	\$60,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Sub-Department 000 - Revenues Totals		\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$1,521,000.00	\$0.00
Department 150 - Treasurer/Collector Totals		\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$1,521,000.00	\$0.00
REVENUE TOTALS		\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$1,521,000.00	\$0.00

EXPENSE

Department 150 - Treasurer/Collector									
Sub-Department 150 - Treasurer/Collector									
Personnel Services- Salaries & Wages									
Regular Employees									
001.150.150.40000	Salaries and Wages	600,475.78	626,934.06	679,309.38	557,825.60	498,946.00	626,466.00	626,466.00	.00
Position Transactions									
<i>Level</i>	<i>Position</i>							<i>Total Amount</i>	
Second Review Budget	915011001 - Elected Official Treasurer							105,000.00	
Second Review Budget	915011004 - Chief Deputy Treasurer							99,274.00	
Second Review Budget	915012004 - Director of Financial Operations							85,000.00	
Second Review Budget	915012005 - Staff Accountant							58,196.00	
Second Review Budget	915016007 - Senior Staff Accountant							74,337.00	
Second Review Budget	915016010 - Collections Processor							36,255.00	
Second Review Budget	915016017 - Customer Service Manager							56,220.00	
Second Review Budget	915016019 - Staff Accountant							47,994.00	



FY24 GF Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 150 - Treasurer/Collector									
Personnel Services- Salaries & Wages									
Regular Employees									
	Second Review Budget	915016021 - Financial Analyst		Earnings				27,755.00	
	Second Review Budget	915016022 - Senior Collections Processor		Earnings				36,435.00	
								Second Review Budget Totals	\$626,466.00
001.150.150.40009	Salaries and Wages Subsidy	(19,377.33)	.00	.00	.00	.00	.00	.00	.00
	<i>Regular Employees Totals</i>	\$581,098.45	\$626,934.06	\$679,309.38	\$557,825.60	\$498,946.00	\$626,466.00	\$626,466.00	\$0.00
	<i>Personnel Services- Salaries & Wages Totals</i>	\$581,098.45	\$626,934.06	\$679,309.38	\$557,825.60	\$498,946.00	\$626,466.00	\$626,466.00	\$0.00
	<i>Personnel Services- Employee Benefits</i>								
	<i>Group Insurance</i>								
001.150.150.45000	Healthcare Contribution	86,881.11	100,820.43	127,602.38	85,531.22	142,980.00	.00	.00	.00
001.150.150.45009	Healthcare Subsidy	(4,242.02)	.00	.00	.00	.00	.00	.00	.00
001.150.150.45010	Dental Contribution	3,000.26	3,074.92	3,013.09	2,047.71	3,688.00	.00	.00	.00
001.150.150.45019	Dental Subsidy	(114.28)	.00	.00	.00	.00	.00	.00	.00
	<i>Group Insurance Totals</i>	\$85,525.07	\$103,895.35	\$130,615.47	\$87,578.93	\$146,668.00	\$0.00	\$0.00	\$0.00
	<i>Personnel Services- Employee Benefits Totals</i>	\$85,525.07	\$103,895.35	\$130,615.47	\$87,578.93	\$146,668.00	\$0.00	\$0.00	\$0.00
	<i>Contractual Services</i>								
	<i>Purchased Property Services</i>								
	<i>Repair and Maintenance Services</i>								
001.150.150.52130	Repairs and Maint- Computers	2,280.00	2,280.00	1,710.00	1,710.00	.00	.00	.00	.00
001.150.150.52140	Repairs and Maint- Copiers	128.34	90.93	114.78	55.75	.00	.00	.00	.00
	<i>Repair and Maintenance Services Totals</i>	\$2,408.34	\$2,370.93	\$1,824.78	\$1,765.75	\$0.00	\$0.00	\$0.00	\$0.00
	<i>Purchased Property Services Totals</i>	\$2,408.34	\$2,370.93	\$1,824.78	\$1,765.75	\$0.00	\$0.00	\$0.00	\$0.00
	<i>Other Purchased Services</i>								
	<i>Printing and Binding</i>								
001.150.150.53060	General Printing	10,042.53	20,155.44	21,227.27	7,546.40	22,000.00	22,000.00	22,000.00	.00
	Budget Transactions								
	<i>Level</i>	<i>Transaction</i>			<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>		
	Second Review Budget	General Printing			1.0000	22,000.00	22,000.00		
							Second Review Budget Totals		
							\$22,000.00		



FY24 GF Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 150 - Treasurer/Collector									
Contractual Services									
Other Purchased Services									
Printing and Binding									
001.150.150.53070	Legal Printing	.00	52,316.05	37,483.32	307.35	27,000.00	27,000.00	27,000.00	.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
Second Review Budget	Legal Printing					1.0000	27,000.00	27,000.00	
								Second Review Budget Totals	\$27,000.00
<i>Printing and Binding Totals</i>		\$10,042.53	\$72,471.49	\$58,710.59	\$7,853.75	\$49,000.00	\$49,000.00	\$49,000.00	\$0.00
<i>Travel</i>									
001.150.150.53100	Conferences and Meetings	.00	.00	1,184.77	.00	.00	.00	.00	.00
001.150.150.53120	Employee Mileage Expense	356.81	299.78	600.70	322.25	2,500.00	2,500.00	2,500.00	.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
Second Review Budget	Employee Mileage Expense					1.0000	2,500.00	2,500.00	
								Second Review Budget Totals	\$2,500.00
<i>Travel Totals</i>		\$356.81	\$299.78	\$1,785.47	\$322.25	\$2,500.00	\$2,500.00	\$2,500.00	\$0.00
<i>Other</i>									
001.150.150.53130	General Association Dues	.00	.00	2,125.00	200.00	.00	.00	.00	.00
001.150.150.55000	Miscellaneous Contractual Exp	.00	.00	250.00	403.70	2,280.00	2,280.00	2,280.00	.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
Second Review Budget	Alarm Detection Services					1.0000	2,280.00	2,280.00	
								Second Review Budget Totals	\$2,280.00
<i>Other Totals</i>		\$0.00	\$0.00	\$2,375.00	\$603.70	\$2,280.00	\$2,280.00	\$2,280.00	\$0.00
<i>Other Purchased Services Totals</i>		\$10,399.34	\$72,771.27	\$62,871.06	\$8,779.70	\$53,780.00	\$53,780.00	\$53,780.00	\$0.00
<i>Contractual Services Totals</i>		\$12,807.68	\$75,142.20	\$64,695.84	\$10,545.45	\$53,780.00	\$53,780.00	\$53,780.00	\$0.00



FY24 GF Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev	
Fund 001 - General Fund										
EXPENSE										
Department 150 - Treasurer/Collector										
Sub-Department 150 - Treasurer/Collector										
Commodities										
General Supplies										
001.150.150.60000	Office Supplies	2,384.72	4,040.41	6,261.64	3,224.98	4,000.00	4,000.00	4,000.00	.00	
Budget Transactions										
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Office Supplies		1.0000		4,000.00		4,000.00		
								Second Review Budget Totals		\$4,000.00
001.150.150.60010	Operating Supplies	1,112.55	395.00	395.00	419.00	1,000.00	1,000.00	1,000.00	.00	
Budget Transactions										
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Operating Supplies		1.0000		1,000.00		1,000.00		
								Second Review Budget Totals		\$1,000.00
001.150.150.60020	Computer Related Supplies	1,674.25	3,663.22	3,406.52	2,387.30	3,700.00	3,700.00	3,700.00	.00	
Budget Transactions										
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Computer Related Supplies		1.0000		3,700.00		3,700.00		
								Second Review Budget Totals		\$3,700.00
001.150.150.60050	Books and Subscriptions	.00	.00	.00	2,206.06	.00	.00	.00	.00	
001.150.150.60055	Office Equipment - Non Capital	.00	.00	4,316.42	.00	.00	.00	.00	.00	
		<i>General Supplies Totals</i>		\$5,171.52	\$8,098.63	\$14,379.58	\$8,237.34	\$8,700.00	\$8,700.00	
		<i>Commodities Totals</i>		\$5,171.52	\$8,098.63	\$14,379.58	\$8,237.34	\$8,700.00	\$8,700.00	
<i>Capital</i>										
<i>Machinery and Equipment</i>										
<i>Computer Equipment</i>										
001.150.150.70050	Printers	.00	.00	.00	17,830.87	.00	.00	.00	.00	
		<i>Computer Equipment Totals</i>		\$0.00	\$0.00	\$0.00	\$17,830.87	\$0.00	\$0.00	
		<i>Machinery and Equipment Totals</i>		\$0.00	\$0.00	\$0.00	\$17,830.87	\$0.00	\$0.00	
		<i>Capital Totals</i>		\$0.00	\$0.00	\$0.00	\$17,830.87	\$0.00	\$0.00	
Sub-Department		150 - Treasurer/Collector Totals		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	
Department		150 - Treasurer/Collector Totals		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	
		EXPENSE TOTALS		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	
Fund 001 - General Fund Totals										
		REVENUE TOTALS		\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	



FY24 GF Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
	EXPENSE TOTALS	\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	\$688,946.00	\$0.00
Fund	001 - General Fund Totals	\$579,514.46	\$1,823,297.68	\$851,386.62	(\$682,018.19)	\$812,906.00	\$832,054.00	\$832,054.00	\$0.00
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$1,521,000.00	\$0.00
	EXPENSE GRAND TOTALS	\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	\$688,946.00	\$0.00
	Net Grand Totals	\$579,514.46	\$1,823,297.68	\$851,386.62	(\$682,018.19)	\$812,906.00	\$832,054.00	\$832,054.00	\$0.00



FY24 GF Budget Summary Second Level - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 001 - General Fund									
REVENUE									
Department 150 - Treasurer/Collector									
Sub-Department 000 - Revenues									
<i>Fines</i>									
001.150.000.30010	Back Taxes- Interest and Penalty	1,177,420.18	2,576,450.92	1,643,871.89	.00	1,500,000.00	1,500,000.00	1,500,000.00	.00
	<i>Fines Totals</i>	\$1,177,420.18	\$2,576,450.92	\$1,643,871.89	\$0.00	\$1,500,000.00	\$1,500,000.00	\$1,500,000.00	\$0.00
<i>Transfers In</i>									
001.150.000.39000	Transfer From Other Funds	86,697.00	60,917.00	.00	.00	.00	.00	.00	.00
001.150.000.39268	Transfer from Fund 268	.00	.00	96,515.00	.00	21,000.00	21,000.00	21,000.00	.00
	<i>Transfers In Totals</i>	\$86,697.00	\$60,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
	Sub-Department 000 - Revenues Totals	\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$1,521,000.00	\$0.00
	Department 150 - Treasurer/Collector Totals	\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$1,521,000.00	\$0.00
	REVENUE TOTALS	\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$1,521,000.00	\$0.00
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 150 - Treasurer/Collector									
<i>Personnel Services- Salaries & Wages</i>									
<i>Regular Employees</i>									
001.150.150.40000	Salaries and Wages	600,475.78	626,934.06	679,309.38	557,825.60	498,946.00	626,466.00	626,466.00	.00
001.150.150.40009	Salaries and Wages Subsidy	(19,377.33)	.00	.00	.00	.00	.00	.00	.00
	<i>Regular Employees Totals</i>	\$581,098.45	\$626,934.06	\$679,309.38	\$557,825.60	\$498,946.00	\$626,466.00	\$626,466.00	\$0.00
	<i>Personnel Services- Salaries & Wages Totals</i>	\$581,098.45	\$626,934.06	\$679,309.38	\$557,825.60	\$498,946.00	\$626,466.00	\$626,466.00	\$0.00
<i>Personnel Services- Employee Benefits</i>									
<i>Group Insurance</i>									
001.150.150.45000	Healthcare Contribution	86,881.11	100,820.43	127,602.38	85,531.22	142,980.00	.00	.00	.00
001.150.150.45009	Healthcare Subsidy	(4,242.02)	.00	.00	.00	.00	.00	.00	.00
001.150.150.45010	Dental Contribution	3,000.26	3,074.92	3,013.09	2,047.71	3,688.00	.00	.00	.00
001.150.150.45019	Dental Subsidy	(114.28)	.00	.00	.00	.00	.00	.00	.00
	<i>Group Insurance Totals</i>	\$85,525.07	\$103,895.35	\$130,615.47	\$87,578.93	\$146,668.00	\$0.00	\$0.00	\$0.00
	<i>Personnel Services- Employee Benefits Totals</i>	\$85,525.07	\$103,895.35	\$130,615.47	\$87,578.93	\$146,668.00	\$0.00	\$0.00	\$0.00
<i>Contractual Services</i>									
<i>Purchased Property Services</i>									
<i>Repair and Maintenance Services</i>									
001.150.150.52130	Repairs and Maint- Computers	2,280.00	2,280.00	1,710.00	1,710.00	.00	.00	.00	.00
001.150.150.52140	Repairs and Maint- Copiers	128.34	90.93	114.78	55.75	.00	.00	.00	.00
	<i>Repair and Maintenance Services Totals</i>	\$2,408.34	\$2,370.93	\$1,824.78	\$1,765.75	\$0.00	\$0.00	\$0.00	\$0.00
	<i>Purchased Property Services Totals</i>	\$2,408.34	\$2,370.93	\$1,824.78	\$1,765.75	\$0.00	\$0.00	\$0.00	\$0.00



FY24 GF Budget Summary Second Level - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 001 - General Fund									
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 150 - Treasurer/Collector									
Contractual Services									
Other Purchased Services									
Printing and Binding									
001.150.150.53060	General Printing	10,042.53	20,155.44	21,227.27	7,546.40	22,000.00	22,000.00	22,000.00	.00
001.150.150.53070	Legal Printing	.00	52,316.05	37,483.32	307.35	27,000.00	27,000.00	27,000.00	.00
<i>Printing and Binding Totals</i>		\$10,042.53	\$72,471.49	\$58,710.59	\$7,853.75	\$49,000.00	\$49,000.00	\$49,000.00	\$0.00
Travel									
001.150.150.53100	Conferences and Meetings	.00	.00	1,184.77	.00	.00	.00	.00	.00
001.150.150.53120	Employee Mileage Expense	356.81	299.78	600.70	322.25	2,500.00	2,500.00	2,500.00	.00
<i>Travel Totals</i>		\$356.81	\$299.78	\$1,785.47	\$322.25	\$2,500.00	\$2,500.00	\$2,500.00	\$0.00
Other									
001.150.150.53130	General Association Dues	.00	.00	2,125.00	200.00	.00	.00	.00	.00
001.150.150.55000	Miscellaneous Contractual Exp	.00	.00	250.00	403.70	2,280.00	2,280.00	2,280.00	.00
<i>Other Totals</i>		\$0.00	\$0.00	\$2,375.00	\$603.70	\$2,280.00	\$2,280.00	\$2,280.00	\$0.00
<i>Other Purchased Services Totals</i>		\$10,399.34	\$72,771.27	\$62,871.06	\$8,779.70	\$53,780.00	\$53,780.00	\$53,780.00	\$0.00
<i>Contractual Services Totals</i>		\$12,807.68	\$75,142.20	\$64,695.84	\$10,545.45	\$53,780.00	\$53,780.00	\$53,780.00	\$0.00
Commodities									
General Supplies									
001.150.150.60000	Office Supplies	2,384.72	4,040.41	6,261.64	3,224.98	4,000.00	4,000.00	4,000.00	.00
001.150.150.60010	Operating Supplies	1,112.55	395.00	395.00	419.00	1,000.00	1,000.00	1,000.00	.00
001.150.150.60020	Computer Related Supplies	1,674.25	3,663.22	3,406.52	2,387.30	3,700.00	3,700.00	3,700.00	.00
001.150.150.60050	Books and Subscriptions	.00	.00	.00	2,206.06	.00	.00	.00	.00
001.150.150.60055	Office Equipment - Non Capital	.00	.00	4,316.42	.00	.00	.00	.00	.00
<i>General Supplies Totals</i>		\$5,171.52	\$8,098.63	\$14,379.58	\$8,237.34	\$8,700.00	\$8,700.00	\$8,700.00	\$0.00
<i>Commodities Totals</i>		\$5,171.52	\$8,098.63	\$14,379.58	\$8,237.34	\$8,700.00	\$8,700.00	\$8,700.00	\$0.00
Capital									
Machinery and Equipment									
Computer Equipment									
001.150.150.70050	Printers	.00	.00	.00	17,830.87	.00	.00	.00	.00
<i>Computer Equipment Totals</i>		\$0.00	\$0.00	\$0.00	\$17,830.87	\$0.00	\$0.00	\$0.00	\$0.00
<i>Machinery and Equipment Totals</i>		\$0.00	\$0.00	\$0.00	\$17,830.87	\$0.00	\$0.00	\$0.00	\$0.00
<i>Capital Totals</i>		\$0.00	\$0.00	\$0.00	\$17,830.87	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Department 150 - Treasurer/Collector Totals		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	\$688,946.00	\$0.00
Department 150 - Treasurer/Collector Totals		\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	\$688,946.00	\$0.00



FY24 GF Budget Summary Second Level - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund	001 - General Fund								
	EXPENSE TOTALS	\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	\$688,946.00	\$0.00
Fund	001 - General Fund Totals								
	REVENUE TOTALS	\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$1,521,000.00	\$0.00
	EXPENSE TOTALS	\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	\$688,946.00	\$0.00
Fund	001 - General Fund Totals	\$579,514.46	\$1,823,297.68	\$851,386.62	(\$682,018.19)	\$812,906.00	\$832,054.00	\$832,054.00	\$0.00
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$1,264,117.18	\$2,637,367.92	\$1,740,386.89	\$0.00	\$1,521,000.00	\$1,521,000.00	\$1,521,000.00	\$0.00
	EXPENSE GRAND TOTALS	\$684,602.72	\$814,070.24	\$889,000.27	\$682,018.19	\$708,094.00	\$688,946.00	\$688,946.00	\$0.00
	Net Grand Totals	\$579,514.46	\$1,823,297.68	\$851,386.62	(\$682,018.19)	\$812,906.00	\$832,054.00	\$832,054.00	\$0.00



FY24 SR First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 150 - Tax Sale Automation								
REVENUE								
Department 150 - Treasurer/Collector								
Sub-Department 000 - Revenues								
150.150.000.34040	Electronic Information Svcs Fees	7,070.00	39,065.07	23,435.00	.00	20,000.00	20,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Electronic Information Svcs Fee					1.0000	20,000.00	20,000.00
							First Review Budget Totals	\$20,000.00
150.150.000.34850	Treasurer/Collector Fees	2,280.00	58,824.00	46,450.00	.00	42,000.00	42,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Treasurer/Collector Fees					1.0000	42,000.00	42,000.00
							First Review Budget Totals	\$42,000.00
150.150.000.35420	KEEP/C-PACE Admin Fees	400.00	.00	.00	1,200.00	.00	.00	.00
150.150.000.35900	Miscellaneous Fees	6,579.71	.00	5,279.04	.00	5,000.00	5,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Miscellaneous Fees					1.0000	5,000.00	5,000.00
							First Review Budget Totals	\$5,000.00
150.150.000.38000	Investment Income	8,771.29	(306.70)	(10,506.35)	956.22	6,000.00	6,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Investment Income					1.0000	6,000.00	6,000.00
							First Review Budget Totals	\$6,000.00
150.150.000.38900	Miscellaneous Other	3,891.00	4,832.75	4,261.63	.00	4,000.00	4,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Miscellaneous Other					1.0000	4,000.00	4,000.00
							First Review Budget Totals	\$4,000.00
150.150.000.39000	Transfer From Other Funds	.00	25,900.00	.00	.00	.00	.00	.00



FY24 SR First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 150 - Tax Sale Automation								
REVENUE								
Department 150 - Treasurer/Collector								
Sub-Department 000 - Revenues								
150.150.000.39900	Fund Balance Utilization	.00	.00	.00	.00	75,574.00	118,831.00	43,257.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Cash On Hand					1.0000	118,831.00	118,831.00
						First Review Budget Totals		\$118,831.00
Sub-Department 000 - Revenues Totals		\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$43,257.00
Department 150 - Treasurer/Collector Totals		\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$43,257.00
REVENUE TOTALS		\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$43,257.00
EXPENSE								
Department 150 - Treasurer/Collector								
Sub-Department 160 - Tax Sale Automation								
150.150.160.40000	Salaries and Wages	5,040.00	33,136.75	.00	27,537.52	109,836.00	68,902.00	(40,934.00)
Position Transactions								
<i>Level</i>	<i>Position</i>							<i>Total Amount</i>
First Review Budget	915016011 - Assistant Cashier							4,689.00
First Review Budget	915016012 - Assistant Cashier							13,113.00
First Review Budget	915016013 - Assistant Cashier							6,379.00
First Review Budget	915016018 - Deputy Treasurer							11,492.00
First Review Budget	915016020 - Cashier							33,229.00
						First Review Budget Totals		\$68,902.00
150.150.160.40009	Salaries and Wages Subsidy	(5,040.00)	.00	.00	.00	.00	.00	.00
150.150.160.45100	FICA/SS Contribution	73.10	2,534.96	.00	2,106.62	2,680.00	5,271.00	2,591.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	FICA/SS					1.0000	5,271.00	5,271.00
						First Review Budget Totals		\$5,271.00
150.150.160.45109	FICA/SS Subsidy	(73.10)	.00	.00	.00	.00	.00	.00
150.150.160.45200	IMRF Contribution	.00	.00	.00	.00	.00	1,522.00	1,522.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	IMRF employer contribution					1.0000	1,521.89	1,521.89
						First Review Budget Totals		\$1,521.89



FY24 SR First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 150 - Tax Sale Automation								
EXPENSE								
Department 150 - Treasurer/Collector								
Sub-Department 160 - Tax Sale Automation								
150.150.160.50150	Contractual/Consulting Services	.00	.00	.00	.00	10,210.00	10,210.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Contractual Consulting Services		1.0000		10,210.00		10,210.00
								\$10,210.00
First Review Budget Totals								
150.150.160.52130	Repairs and Maint- Computers	.00	.00	.00	.00	3,000.00	3,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Repairs and Maint - Computers		1.0000		3,000.00		3,000.00
								\$3,000.00
First Review Budget Totals								
150.150.160.52140	Repairs and Maint- Copiers	.00	.00	.00	.00	2,500.00	2,500.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Repairs and Maint - Copiers		1.0000		2,500.00		2,500.00
								\$2,500.00
First Review Budget Totals								
150.150.160.52240	Repairs and Maint- Office Equip	.00	.00	.00	.00	2,000.00	2,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Repairs and Maint - Office Equipment		1.0000		2,000.00		2,000.00
								\$2,000.00
First Review Budget Totals								
150.150.160.53000	Liability Insurance	732.00	665.00	.00	1,022.00	1,022.00	2,143.00	1,121.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Liability Insurance		.0311		68,902.00		2,142.85
								\$2,142.85
First Review Budget Totals								
150.150.160.53010	Workers Compensation	893.00	1,043.00	.00	777.00	777.00	1,475.00	698.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Workers Compensation		.0214		68,902.00		1,474.50
								\$1,474.50
First Review Budget Totals								



FY24 SR First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 150 - Tax Sale Automation								
EXPENSE								
Department 150 - Treasurer/Collector								
Sub-Department 160 - Tax Sale Automation								
150.150.160.53020	Unemployment Claims	21.00	21.00	.00	14.00	14.00	3,446.00	3,432.00
Budget Transactions								
<i>Level</i>					<i>Number of Units</i>		<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Unemployment Claims				.0500	68,902.00	3,445.10	
							First Review Budget Totals	\$3,445.10
150.150.160.53060	General Printing	.00	.00	.00	.00	5,000.00	5,000.00	.00
Budget Transactions								
<i>Level</i>					<i>Number of Units</i>		<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	General Printing				1.0000	5,000.00	5,000.00	
							First Review Budget Totals	\$5,000.00
150.150.160.53070	Legal Printing	.00	.00	.00	.00	25,000.00	25,000.00	.00
Budget Transactions								
<i>Level</i>					<i>Number of Units</i>		<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Legal Printing				1.0000	25,000.00	25,000.00	
							First Review Budget Totals	\$25,000.00
150.150.160.53100	Conferences and Meetings	.00	527.38	.00	57.44	4,000.00	4,000.00	.00
Budget Transactions								
<i>Level</i>					<i>Number of Units</i>		<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Conferences and Meeting				1.0000	4,000.00	4,000.00	
							First Review Budget Totals	\$4,000.00
150.150.160.53110	Employee Training	1,100.85	1,428.50	.00	.00	2,500.00	2,500.00	.00
Budget Transactions								
<i>Level</i>					<i>Number of Units</i>		<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Employee Training				1.0000	2,500.00	2,500.00	
							First Review Budget Totals	\$2,500.00
150.150.160.53120	Employee Mileage Expense	46.78	.00	.00	207.37	3,000.00	3,000.00	.00
Budget Transactions								
<i>Level</i>					<i>Number of Units</i>		<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Employee Mileage Expense				1.0000	3,000.00	3,000.00	
							First Review Budget Totals	\$3,000.00



FY24 SR First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 150 - Tax Sale Automation								
EXPENSE								
Department 150 - Treasurer/Collector								
Sub-Department 160 - Tax Sale Automation								
150.150.160.53130	General Association Dues	1,450.00	915.00	.00	520.00	4,000.00	4,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget	General Association Dues			1.0000	4,000.00	4,000.00		
First Review Budget Totals								\$4,000.00
150.150.160.55000	Miscellaneous Contractual Exp	.00	.00	.00	.00	3,992.00	3,992.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget	Miscellaneous Contractual Exp			1.0000	3,992.00	3,992.00		
First Review Budget Totals								\$3,992.00
150.150.160.60000	Office Supplies	1,417.29	1,280.68	.00	.00	3,000.00	3,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget	Office Supplies			1.0000	3,000.00	3,000.00		
First Review Budget Totals								\$3,000.00
150.150.160.60010	Operating Supplies	.00	.00	.00	.00	2,500.00	2,500.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget	Operating Supplies			1.0000	2,500.00	2,500.00		
First Review Budget Totals								\$2,500.00
150.150.160.60020	Computer Related Supplies	.00	600.00	.00	.00	2,500.00	2,500.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget	Computer Related Supplies			1.0000	2,500.00	2,500.00		
First Review Budget Totals								\$2,500.00
150.150.160.60050	Books and Subscriptions	.00	.00	.00	.00	2,000.00	2,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget	Books and Subscriptions			1.0000	2,000.00	2,000.00		
First Review Budget Totals								\$2,000.00



FY24 SR First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 150 - Tax Sale Automation								
EXPENSE								
Department 150 - Treasurer/Collector								
Sub-Department 160 - Tax Sale Automation								
150.150.160.70050	Printers	1,834.37	430.29	.00	.00	10,000.00	10,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Printers		1.0000		10,000.00		10,000.00
								\$10,000.00
First Review Budget Totals								
150.150.160.70080	Office Furniture	.00	2,453.07	.00	.00	3,500.00	3,500.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Office Furniture		1.0000		3,500.00		3,500.00
								\$3,500.00
First Review Budget Totals								
150.150.160.70090	Office Equipment	.00	906.00	.00	.00	10,000.00	10,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Office Equipment		1.0000		10,000.00		10,000.00
								\$10,000.00
First Review Budget Totals								
150.150.160.70100	Copiers	.00	.00	.00	.00	10,000.00	10,000.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Copiers		1.0000		10,000.00		10,000.00
								\$10,000.00
First Review Budget Totals								
150.150.160.99001	Transfer to Fund 001	.00	.00	.00	4,370.00	4,370.00	4,370.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Transfer to IT		1.0000		4,370.00		4,370.00
								\$4,370.00
First Review Budget Totals								
Sub-Department 160 - Tax Sale Automation Totals		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	(\$31,570.00)
Department 150 - Treasurer/Collector Totals		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	(\$31,570.00)
EXPENSE TOTALS		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	(\$31,570.00)
Fund 150 - Tax Sale Automation Totals								
REVENUE TOTALS		\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$43,257.00
EXPENSE TOTALS		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	(\$31,570.00)



FY24 SR First Level Budget Detail - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 150 - Tax Sale Automation Totals		\$21,496.71	\$82,373.49	\$68,919.32	(\$34,455.73)	(\$74,827.00)	\$0.00	\$74,827.00
Fund 268 - Sale & Error								
REVENUE								
Department 150 - Treasurer/Collector								
Sub-Department 000 - Revenues								
268.150.000.34115	Sale in Error Fee	.00	94,160.70	97,039.88	.00	21,000.00	21,000.00	.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	Sale In Error Fee					1.0000	21,000.00	21,000.00
							First Review Budget Totals	\$21,000.00
268.150.000.38000	Investment Income	8,639.82	(263.70)	(7,452.17)	746.80	.00	.00	.00
268.150.000.39000	Transfer From Other Funds	.00	33,400.00	.00	.00	.00	.00	.00
Sub-Department 000 - Revenues Totals		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$0.00
Department 150 - Treasurer/Collector Totals		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$0.00
REVENUE TOTALS		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$0.00
EXPENSE								
Department 150 - Treasurer/Collector								
Sub-Department 155 - Sale & Error								
268.150.155.99000	Transfer To Other Funds	86,697.00	35,917.00	.00	.00	.00	.00	.00
268.150.155.99001	Transfer to Fund 001	.00	.00	96,515.00	.00	21,000.00	21,000.00	.00
Budget Transactions								
Level	Transaction					Number of Units	Cost Per Unit	Total Amount
First Review Budget	Transfer to Fund 001					1.0000	21,000.00	21,000.00
							First Review Budget Totals	\$21,000.00
Sub-Department 155 - Sale & Error Totals		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$0.00
Department 150 - Treasurer/Collector Totals		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$0.00
EXPENSE TOTALS		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$0.00
Fund 268 - Sale & Error Totals								
REVENUE TOTALS		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$0.00
EXPENSE TOTALS		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$0.00
Fund 268 - Sale & Error Totals		(\$78,057.18)	\$91,380.00	(\$6,927.29)	\$746.80	\$0.00	\$0.00	\$0.00
Net Grand Totals								
REVENUE GRAND TOTALS		\$37,631.82	\$255,612.12	\$158,507.03	\$2,903.02	\$173,574.00	\$216,831.00	\$43,257.00
EXPENSE GRAND TOTALS		\$94,192.29	\$81,858.63	\$96,515.00	\$36,611.95	\$248,401.00	\$216,831.00	(\$31,570.00)
Net Grand Totals		(\$56,560.47)	\$173,753.49	\$61,992.03	(\$33,708.93)	(\$74,827.00)	\$0.00	\$74,827.00



FY24 SR Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev	
Fund 150 - Tax Sale Automation										
REVENUE										
Department 150 - Treasurer/Collector										
Sub-Department 000 - Revenues										
<i>Charges for Services</i>										
150.150.000.34040	Electronic Information Svcs Fees	7,070.00	39,065.07	23,435.00	.00	20,000.00	20,000.00	20,000.00	.00	
Budget Transactions										
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Electronic Information Svcs Fee		1.0000		20,000.00		20,000.00		
								Second Review Budget Totals		\$20,000.00
150.150.000.34850	Treasurer/Collector Fees	2,280.00	58,824.00	46,450.00	.00	42,000.00	42,000.00	42,000.00	.00	
Budget Transactions										
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Treasurer/Collector Fees		1.0000		42,000.00		42,000.00		
								Second Review Budget Totals		\$42,000.00
150.150.000.35420	KEEP/C-PACE Admin Fees	400.00	.00	.00	1,200.00	.00	.00	.00	.00	
150.150.000.35900	Miscellaneous Fees	6,579.71	.00	5,279.04	.00	5,000.00	5,000.00	5,000.00	.00	
Budget Transactions										
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Miscellaneous Fees		1.0000		5,000.00		5,000.00		
								Second Review Budget Totals		\$5,000.00
<i>Charges for Services Totals</i>		\$16,329.71	\$97,889.07	\$75,164.04	\$1,200.00	\$67,000.00	\$67,000.00	\$67,000.00	\$0.00	
<i>Interest Revenue</i>										
150.150.000.38000	Investment Income	8,771.29	(306.70)	(10,506.35)	956.22	6,000.00	6,000.00	6,000.00	.00	
Budget Transactions										
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Investment Income		1.0000		6,000.00		6,000.00		
								Second Review Budget Totals		\$6,000.00
<i>Interest Revenue Totals</i>		\$8,771.29	(\$306.70)	(\$10,506.35)	\$956.22	\$6,000.00	\$6,000.00	\$6,000.00	\$0.00	
<i>Other</i>										
150.150.000.38900	Miscellaneous Other	3,891.00	4,832.75	4,261.63	.00	4,000.00	4,000.00	4,000.00	.00	
Budget Transactions										
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Miscellaneous Other		1.0000		4,000.00		4,000.00		
								Second Review Budget Totals		\$4,000.00



FY24 SR Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 150 - Tax Sale Automation									
REVENUE									
Department 150 - Treasurer/Collector									
Sub-Department 000 - Revenues									
Other									
150.150.000.39900	Fund Balance Utilization	.00	.00	.00	.00	75,574.00	118,831.00	115,420.00	(3,411.00)
Budget Transactions									
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget		Cash On Hand		1.0000		115,420.00		115,420.00	
				Second Review Budget Totals		\$115,420.00			
<i>Other Totals</i>		\$3,891.00	\$4,832.75	\$4,261.63	\$0.00	\$79,574.00	\$122,831.00	\$119,420.00	(\$3,411.00)
<i>Transfers In</i>									
150.150.000.39000	Transfer From Other Funds	.00	25,900.00	.00	.00	.00	.00	.00	.00
<i>Transfers In Totals</i>		\$0.00	\$25,900.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Department 000 - Revenues Totals		\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$192,420.00	(\$3,411.00)
Department 150 - Treasurer/Collector Totals		\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$192,420.00	(\$3,411.00)
REVENUE TOTALS		\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$192,420.00	(\$3,411.00)
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 160 - Tax Sale Automation									
Personnel Services- Salaries & Wages									
Regular Employees									
150.150.160.40000	Salaries and Wages	5,040.00	33,136.75	.00	27,537.52	109,836.00	68,902.00	68,902.00	.00
Position Transactions									
<i>Level</i>		<i>Position</i>		<i>Type</i>		<i>Code</i>		<i>Total Amount</i>	
Second Review Budget		915016011 - Assistant Cashier		Earnings				4,689.00	
Second Review Budget		915016012 - Assistant Cashier		Earnings				13,113.00	
Second Review Budget		915016013 - Assistant Cashier		Earnings				6,379.00	
Second Review Budget		915016018 - Deputy Treasurer		Earnings				11,492.00	
Second Review Budget		915016020 - Cashier		Earnings				33,229.00	
								Second Review Budget Totals	
								\$68,902.00	
150.150.160.40009	Salaries and Wages Subsidy	(5,040.00)	.00	.00	.00	.00	.00	.00	.00
<i>Regular Employees Totals</i>		\$0.00	\$33,136.75	\$0.00	\$27,537.52	\$109,836.00	\$68,902.00	\$68,902.00	\$0.00
<i>Personnel Services- Salaries & Wages Totals</i>		\$0.00	\$33,136.75	\$0.00	\$27,537.52	\$109,836.00	\$68,902.00	\$68,902.00	\$0.00



FY24 SR Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 150 - Tax Sale Automation									
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 160 - Tax Sale Automation									
Personnel Services- Employee Benefits									
Social Security Contributions									
150.150.160.45100	FICA/SS Contribution	73.10	2,534.96	.00	2,106.62	2,680.00	5,271.00	5,271.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	5,271.00	5,271.00	
						Second Review Budget Totals		\$5,271.00	
150.150.160.45109	FICA/SS Subsidy	(73.10)	.00	.00	.00	.00	.00	.00	.00
	<i>Social Security Contributions Totals</i>	\$0.00	\$2,534.96	\$0.00	\$2,106.62	\$2,680.00	\$5,271.00	\$5,271.00	\$0.00
	<i>Retirement Contributions</i>								
150.150.160.45200	IMRF Contribution	.00	.00	.00	.00	.00	1,522.00	1,522.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	1,521.89	1,521.89	
						Second Review Budget Totals		\$1,521.89	
	<i>Retirement Contributions Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,522.00	\$1,522.00	\$0.00
	<i>Personnel Services- Employee Benefits Totals</i>	\$0.00	\$2,534.96	\$0.00	\$2,106.62	\$2,680.00	\$6,793.00	\$6,793.00	\$0.00
	<i>Contractual Services</i>								
	<i>Purchased Professional and Technical Services</i>								
	<i>Professional</i>								
150.150.160.50150	Contractual/Consulting Services	.00	.00	.00	.00	10,210.00	10,210.00	10,210.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	10,210.00	10,210.00	
						Second Review Budget Totals		\$10,210.00	
	<i>Professional Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$10,210.00	\$10,210.00	\$10,210.00	\$0.00
	<i>Purchased Professional and Technical Services Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$10,210.00	\$10,210.00	\$10,210.00	\$0.00



FY24 SR Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev	
Fund 150 - Tax Sale Automation										
EXPENSE										
Department 150 - Treasurer/Collector										
Sub-Department 160 - Tax Sale Automation										
<i>Contractual Services</i>										
<i>Purchased Property Services</i>										
<i>Repair and Maintenance Services</i>										
150.150.160.52130	Repairs and Maint- Computers	.00	.00	.00	.00	3,000.00	3,000.00	3,000.00	.00	
Budget Transactions										
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Repairs and Maint - Computers		1.0000		3,000.00		3,000.00		
								Second Review Budget Totals		\$3,000.00
150.150.160.52140	Repairs and Maint- Copiers	.00	.00	.00	.00	2,500.00	2,500.00	2,500.00	.00	
Budget Transactions										
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Repairs and Maint - Copiers		1.0000		2,500.00		2,500.00		
								Second Review Budget Totals		\$2,500.00
150.150.160.52240	Repairs and Maint- Office Equip	.00	.00	.00	.00	2,000.00	2,000.00	2,000.00	.00	
Budget Transactions										
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Repairs and Maint - Office Equipment		1.0000		2,000.00		2,000.00		
								Second Review Budget Totals		\$2,000.00
<i>Repair and Maintenance Services Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$7,500.00	\$7,500.00	\$7,500.00	\$0.00	
<i>Purchased Property Services Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$7,500.00	\$7,500.00	\$7,500.00	\$0.00	
<i>Other Purchased Services</i>										
<i>Insurance, Other Than Employee Benefits</i>										
150.150.160.53000	Liability Insurance	732.00	665.00	.00	1,022.00	1,022.00	2,143.00	2,143.00	.00	
Budget Transactions										
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Liability Insurance		.0311		68,902.00		2,142.85		
								Second Review Budget Totals		\$2,142.85
150.150.160.53010	Workers Compensation	893.00	1,043.00	.00	777.00	777.00	1,475.00	1,475.00	.00	
Budget Transactions										
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>		
Second Review Budget		Workers Compensation		.0214		68,902.00		1,474.50		
								Second Review Budget Totals		\$1,474.50



FY24 SR Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 150 - Tax Sale Automation									
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 160 - Tax Sale Automation									
Contractual Services									
Other Purchased Services									
Insurance, Other Than Employee Benefits									
150.150.160.53020	Unemployment Claims	21.00	21.00	.00	14.00	14.00	3,446.00	35.00	(3,411.00)
Budget Transactions									
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget Unemployment Claims				.0005		68,902.00		34.45	
								Second Review Budget Totals \$34.45	
<i>Insurance, Other Than Employee Benefits Totals</i>		\$1,646.00	\$1,729.00	\$0.00	\$1,813.00	\$1,813.00	\$7,064.00	\$3,653.00	(\$3,411.00)
<i>Printing and Binding</i>									
150.150.160.53060	General Printing	.00	.00	.00	.00	5,000.00	5,000.00	5,000.00	.00
Budget Transactions									
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget General Printing				1.0000		5,000.00		5,000.00	
								Second Review Budget Totals \$5,000.00	
150.150.160.53070	Legal Printing	.00	.00	.00	.00	25,000.00	25,000.00	25,000.00	.00
Budget Transactions									
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget Legal Printing				1.0000		25,000.00		25,000.00	
								Second Review Budget Totals \$25,000.00	
<i>Printing and Binding Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$30,000.00	\$30,000.00	\$30,000.00	\$0.00
<i>Travel</i>									
150.150.160.53100	Conferences and Meetings	.00	527.38	.00	57.44	4,000.00	4,000.00	4,000.00	.00
Budget Transactions									
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget Conferences and Meeting				1.0000		4,000.00		4,000.00	
								Second Review Budget Totals \$4,000.00	
150.150.160.53110	Employee Training	1,100.85	1,428.50	.00	.00	2,500.00	2,500.00	2,500.00	.00
Budget Transactions									
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget Employee Training				1.0000		2,500.00		2,500.00	
								Second Review Budget Totals \$2,500.00	



FY24 SR Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 150 - Tax Sale Automation									
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 160 - Tax Sale Automation									
Commodities									
General Supplies									
150.150.160.60010	Operating Supplies	.00	.00	.00	.00	2,500.00	2,500.00	2,500.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	2,500.00	2,500.00	
						Second Review Budget Totals		\$2,500.00	
150.150.160.60020	Computer Related Supplies	.00	600.00	.00	.00	2,500.00	2,500.00	2,500.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	2,500.00	2,500.00	
						Second Review Budget Totals		\$2,500.00	
150.150.160.60050	Books and Subscriptions	.00	.00	.00	.00	2,000.00	2,000.00	2,000.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	2,000.00	2,000.00	
						Second Review Budget Totals		\$2,000.00	
	<i>General Supplies Totals</i>	\$1,417.29	\$1,880.68	\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$10,000.00	\$0.00
	<i>Commodities Totals</i>	\$1,417.29	\$1,880.68	\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$10,000.00	\$0.00
Capital									
Machinery and Equipment									
Machinery									
150.150.160.70090	Office Equipment	.00	906.00	.00	.00	10,000.00	10,000.00	10,000.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	10,000.00	10,000.00	
						Second Review Budget Totals		\$10,000.00	



FY24 SR Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev	
Fund 150 - Tax Sale Automation										
EXPENSE										
Department 150 - Treasurer/Collector										
Sub-Department 160 - Tax Sale Automation										
Capital										
Machinery and Equipment										
Machinery										
150.150.160.70100	Copiers	.00	.00	.00	.00	10,000.00	10,000.00	10,000.00	.00	
Budget Transactions										
<i>Level</i>						<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
Second Review Budget		Copiers				1.0000		10,000.00		10,000.00
									\$10,000.00	
<i>Machinery Totals</i>										
		\$0.00	\$906.00	\$0.00	\$0.00	\$20,000.00	\$20,000.00	\$20,000.00	\$0.00	
<i>Furniture and Fixtures</i>										
150.150.160.70080	Office Furniture	.00	2,453.07	.00	.00	3,500.00	3,500.00	3,500.00	.00	
Budget Transactions										
<i>Level</i>						<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
Second Review Budget		Office Furniture				1.0000		3,500.00		3,500.00
									\$3,500.00	
<i>Furniture and Fixtures Totals</i>										
		\$0.00	\$2,453.07	\$0.00	\$0.00	\$3,500.00	\$3,500.00	\$3,500.00	\$0.00	
<i>Computer Equipment</i>										
150.150.160.70050	Printers	1,834.37	430.29	.00	.00	10,000.00	10,000.00	10,000.00	.00	
Budget Transactions										
<i>Level</i>						<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
Second Review Budget		Printers				1.0000		10,000.00		10,000.00
									\$10,000.00	
<i>Computer Equipment Totals</i>										
		\$1,834.37	\$430.29	\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$10,000.00	\$0.00	
<i>Machinery and Equipment Totals</i>										
		\$1,834.37	\$3,789.36	\$0.00	\$0.00	\$33,500.00	\$33,500.00	\$33,500.00	\$0.00	
<i>Capital Totals</i>										
		\$1,834.37	\$3,789.36	\$0.00	\$0.00	\$33,500.00	\$33,500.00	\$33,500.00	\$0.00	
<i>Transfers Out</i>										
150.150.160.99001	Transfer to Fund 001	.00	.00	.00	4,370.00	4,370.00	4,370.00	4,370.00	.00	
Budget Transactions										
<i>Level</i>						<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
Second Review Budget		Transfer to IT				1.0000		4,370.00		4,370.00
									\$4,370.00	
<i>Transfers Out Totals</i>										
		\$0.00	\$0.00	\$0.00	\$4,370.00	\$4,370.00	\$4,370.00	\$4,370.00	\$0.00	
Sub-Department 160 - Tax Sale Automation Totals		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	\$192,420.00	(\$3,411.00)	



FY24 SR Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 150 - Tax Sale Automation									
EXPENSE									
Department 150 - Treasurer/Collector Totals		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	\$192,420.00	(\$3,411.00)
EXPENSE TOTALS		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	\$192,420.00	(\$3,411.00)
Fund 150 - Tax Sale Automation Totals									
REVENUE TOTALS		\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$192,420.00	(\$3,411.00)
EXPENSE TOTALS		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	\$192,420.00	(\$3,411.00)
Fund 150 - Tax Sale Automation Totals		\$21,496.71	\$82,373.49	\$68,919.32	(\$34,455.73)	(\$74,827.00)	\$0.00	\$0.00	\$0.00
Fund 268 - Sale & Error									
REVENUE									
Department 150 - Treasurer/Collector									
Sub-Department 000 - Revenues									
Charges for Services									
268.150.000.34115	Sale in Error Fee	.00	94,160.70	97,039.88	.00	21,000.00	21,000.00	21,000.00	.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>				<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>		
Second Review Budget	Sale In Error Fee				1.0000	21,000.00	21,000.00		
						Second Review Budget Totals		\$21,000.00	
<i>Charges for Services Totals</i>		\$0.00	\$94,160.70	\$97,039.88	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
<i>Interest Revenue</i>									
268.150.000.38000	Investment Income	8,639.82	(263.70)	(7,452.17)	746.80	.00	.00	.00	.00
<i>Interest Revenue Totals</i>		\$8,639.82	(\$263.70)	(\$7,452.17)	\$746.80	\$0.00	\$0.00	\$0.00	\$0.00
<i>Transfers In</i>									
268.150.000.39000	Transfer From Other Funds	.00	33,400.00	.00	.00	.00	.00	.00	.00
<i>Transfers In Totals</i>		\$0.00	\$33,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Department 000 - Revenues Totals		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Department 150 - Treasurer/Collector Totals		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
REVENUE TOTALS		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 155 - Sale & Error									
Transfers Out									
268.150.155.99000	Transfer To Other Funds	86,697.00	35,917.00	.00	.00	.00	.00	.00	.00



FY24 SR Second Level Budget Detail - Treasurer's Office

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 268 - Sale & Error									
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 155 - Sale & Error									
Transfers Out									
268.150.155.99001	Transfer to Fund 001	.00	.00	96,515.00	.00	21,000.00	21,000.00	21,000.00	.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
Second Review Budget	Transfer to Fund 001					1.0000	21,000.00	21,000.00	
								Second Review Budget Totals	\$21,000.00
<i>Transfers Out Totals</i>		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Sub-Department 155 - Sale & Error Totals		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Department 150 - Treasurer/Collector Totals		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
EXPENSE TOTALS		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Fund 268 - Sale & Error Totals									
REVENUE TOTALS		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
EXPENSE TOTALS		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Fund 268 - Sale & Error Totals		(\$78,057.18)	\$91,380.00	(\$6,927.29)	\$746.80	\$0.00	\$0.00	\$0.00	\$0.00
Net Grand Totals									
REVENUE GRAND TOTALS		\$37,631.82	\$255,612.12	\$158,507.03	\$2,903.02	\$173,574.00	\$216,831.00	\$213,420.00	(\$3,411.00)
EXPENSE GRAND TOTALS		\$94,192.29	\$81,858.63	\$96,515.00	\$36,611.95	\$248,401.00	\$216,831.00	\$213,420.00	(\$3,411.00)
Net Grand Totals		(\$56,560.47)	\$173,753.49	\$61,992.03	(\$33,708.93)	(\$74,827.00)	\$0.00	\$0.00	\$0.00



FY24 SR Budget Summary Second Level - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 150 - Tax Sale Automation									
REVENUE									
Department 150 - Treasurer/Collector									
Sub-Department 000 - Revenues									
<i>Charges for Services</i>									
150.150.000.34040	Electronic Information Svcs Fees	7,070.00	39,065.07	23,435.00	.00	20,000.00	20,000.00	20,000.00	.00
150.150.000.34850	Treasurer/Collector Fees	2,280.00	58,824.00	46,450.00	.00	42,000.00	42,000.00	42,000.00	.00
150.150.000.35420	KEEP/C-PACE Admin Fees	400.00	.00	.00	1,200.00	.00	.00	.00	.00
150.150.000.35900	Miscellaneous Fees	6,579.71	.00	5,279.04	.00	5,000.00	5,000.00	5,000.00	.00
	<i>Charges for Services Totals</i>	\$16,329.71	\$97,889.07	\$75,164.04	\$1,200.00	\$67,000.00	\$67,000.00	\$67,000.00	\$0.00
<i>Interest Revenue</i>									
150.150.000.38000	Investment Income	8,771.29	(306.70)	(10,506.35)	956.22	6,000.00	6,000.00	6,000.00	.00
	<i>Interest Revenue Totals</i>	\$8,771.29	(\$306.70)	(\$10,506.35)	\$956.22	\$6,000.00	\$6,000.00	\$6,000.00	\$0.00
<i>Other</i>									
150.150.000.38900	Miscellaneous Other	3,891.00	4,832.75	4,261.63	.00	4,000.00	4,000.00	4,000.00	.00
150.150.000.39900	Fund Balance Utilization	.00	.00	.00	.00	75,574.00	118,831.00	115,420.00	(3,411.00)
	<i>Other Totals</i>	\$3,891.00	\$4,832.75	\$4,261.63	\$0.00	\$79,574.00	\$122,831.00	\$119,420.00	(\$3,411.00)
<i>Transfers In</i>									
150.150.000.39000	Transfer From Other Funds	.00	25,900.00	.00	.00	.00	.00	.00	.00
	<i>Transfers In Totals</i>	\$0.00	\$25,900.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Sub-Department 000 - Revenues Totals	\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$192,420.00	(\$3,411.00)
	Department 150 - Treasurer/Collector Totals	\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$192,420.00	(\$3,411.00)
	REVENUE TOTALS	\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$192,420.00	(\$3,411.00)
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 160 - Tax Sale Automation									
<i>Personnel Services- Salaries & Wages</i>									
<i>Regular Employees</i>									
150.150.160.40000	Salaries and Wages	5,040.00	33,136.75	.00	27,537.52	109,836.00	68,902.00	68,902.00	.00
150.150.160.40009	Salaries and Wages Subsidy	(5,040.00)	.00	.00	.00	.00	.00	.00	.00
	<i>Regular Employees Totals</i>	\$0.00	\$33,136.75	\$0.00	\$27,537.52	\$109,836.00	\$68,902.00	\$68,902.00	\$0.00
	<i>Personnel Services- Salaries & Wages Totals</i>	\$0.00	\$33,136.75	\$0.00	\$27,537.52	\$109,836.00	\$68,902.00	\$68,902.00	\$0.00
<i>Personnel Services- Employee Benefits</i>									
<i>Social Security Contributions</i>									
150.150.160.45100	FICA/SS Contribution	73.10	2,534.96	.00	2,106.62	2,680.00	5,271.00	5,271.00	.00
150.150.160.45109	FICA/SS Subsidy	(73.10)	.00	.00	.00	.00	.00	.00	.00
	<i>Social Security Contributions Totals</i>	\$0.00	\$2,534.96	\$0.00	\$2,106.62	\$2,680.00	\$5,271.00	\$5,271.00	\$0.00



FY24 SR Budget Summary Second Level - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 150 - Tax Sale Automation									
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 160 - Tax Sale Automation									
Personnel Services- Employee Benefits									
Retirement Contributions									
150.150.160.45200	IMRF Contribution	.00	.00	.00	.00	.00	1,522.00	1,522.00	.00
<i>Retirement Contributions Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,522.00	\$1,522.00	\$0.00
<i>Personnel Services- Employee Benefits Totals</i>		\$0.00	\$2,534.96	\$0.00	\$2,106.62	\$2,680.00	\$6,793.00	\$6,793.00	\$0.00
<i>Contractual Services</i>									
<i>Purchased Professional and Technical Services</i>									
<i>Professional</i>									
150.150.160.50150	Contractual/Consulting Services	.00	.00	.00	.00	10,210.00	10,210.00	10,210.00	.00
<i>Professional Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$10,210.00	\$10,210.00	\$10,210.00	\$0.00
<i>Purchased Professional and Technical Services Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$10,210.00	\$10,210.00	\$10,210.00	\$0.00
<i>Purchased Property Services</i>									
<i>Repair and Maintenance Services</i>									
150.150.160.52130	Repairs and Maint- Computers	.00	.00	.00	.00	3,000.00	3,000.00	3,000.00	.00
150.150.160.52140	Repairs and Maint- Copiers	.00	.00	.00	.00	2,500.00	2,500.00	2,500.00	.00
150.150.160.52240	Repairs and Maint- Office Equip	.00	.00	.00	.00	2,000.00	2,000.00	2,000.00	.00
<i>Repair and Maintenance Services Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$7,500.00	\$7,500.00	\$7,500.00	\$0.00
<i>Purchased Property Services Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$7,500.00	\$7,500.00	\$7,500.00	\$0.00
<i>Other Purchased Services</i>									
<i>Insurance, Other Than Employee Benefits</i>									
150.150.160.53000	Liability Insurance	732.00	665.00	.00	1,022.00	1,022.00	2,143.00	2,143.00	.00
150.150.160.53010	Workers Compensation	893.00	1,043.00	.00	777.00	777.00	1,475.00	1,475.00	.00
150.150.160.53020	Unemployment Claims	21.00	21.00	.00	14.00	14.00	3,446.00	35.00	(3,411.00)
<i>Insurance, Other Than Employee Benefits Totals</i>		\$1,646.00	\$1,729.00	\$0.00	\$1,813.00	\$1,813.00	\$7,064.00	\$3,653.00	(\$3,411.00)
<i>Printing and Binding</i>									
150.150.160.53060	General Printing	.00	.00	.00	.00	5,000.00	5,000.00	5,000.00	.00
150.150.160.53070	Legal Printing	.00	.00	.00	.00	25,000.00	25,000.00	25,000.00	.00
<i>Printing and Binding Totals</i>		\$0.00	\$0.00	\$0.00	\$0.00	\$30,000.00	\$30,000.00	\$30,000.00	\$0.00
<i>Travel</i>									
150.150.160.53100	Conferences and Meetings	.00	527.38	.00	57.44	4,000.00	4,000.00	4,000.00	.00
150.150.160.53110	Employee Training	1,100.85	1,428.50	.00	.00	2,500.00	2,500.00	2,500.00	.00
150.150.160.53120	Employee Mileage Expense	46.78	.00	.00	207.37	3,000.00	3,000.00	3,000.00	.00
<i>Travel Totals</i>		\$1,147.63	\$1,955.88	\$0.00	\$264.81	\$9,500.00	\$9,500.00	\$9,500.00	\$0.00



FY24 SR Budget Summary Second Level - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 150 - Tax Sale Automation									
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 160 - Tax Sale Automation									
Contractual Services									
Other Purchased Services									
Other									
150.150.160.53130	General Association Dues	1,450.00	915.00	.00	520.00	4,000.00	4,000.00	4,000.00	.00
150.150.160.55000	Miscellaneous Contractual Exp	.00	.00	.00	.00	3,992.00	3,992.00	3,992.00	.00
	<i>Other Totals</i>	\$1,450.00	\$915.00	\$0.00	\$520.00	\$7,992.00	\$7,992.00	\$7,992.00	\$0.00
	<i>Other Purchased Services Totals</i>	\$4,243.63	\$4,599.88	\$0.00	\$2,597.81	\$49,305.00	\$54,556.00	\$51,145.00	(\$3,411.00)
	<i>Contractual Services Totals</i>	\$4,243.63	\$4,599.88	\$0.00	\$2,597.81	\$67,015.00	\$72,266.00	\$68,855.00	(\$3,411.00)
Commodities									
General Supplies									
150.150.160.60000	Office Supplies	1,417.29	1,280.68	.00	.00	3,000.00	3,000.00	3,000.00	.00
150.150.160.60010	Operating Supplies	.00	.00	.00	.00	2,500.00	2,500.00	2,500.00	.00
150.150.160.60020	Computer Related Supplies	.00	600.00	.00	.00	2,500.00	2,500.00	2,500.00	.00
150.150.160.60050	Books and Subscriptions	.00	.00	.00	.00	2,000.00	2,000.00	2,000.00	.00
	<i>General Supplies Totals</i>	\$1,417.29	\$1,880.68	\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$10,000.00	\$0.00
	<i>Commodities Totals</i>	\$1,417.29	\$1,880.68	\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$10,000.00	\$0.00
Capital									
Machinery and Equipment									
Machinery									
150.150.160.70090	Office Equipment	.00	906.00	.00	.00	10,000.00	10,000.00	10,000.00	.00
150.150.160.70100	Copiers	.00	.00	.00	.00	10,000.00	10,000.00	10,000.00	.00
	<i>Machinery Totals</i>	\$0.00	\$906.00	\$0.00	\$0.00	\$20,000.00	\$20,000.00	\$20,000.00	\$0.00
Furniture and Fixtures									
150.150.160.70080	Office Furniture	.00	2,453.07	.00	.00	3,500.00	3,500.00	3,500.00	.00
	<i>Furniture and Fixtures Totals</i>	\$0.00	\$2,453.07	\$0.00	\$0.00	\$3,500.00	\$3,500.00	\$3,500.00	\$0.00
Computer Equipment									
150.150.160.70050	Printers	1,834.37	430.29	.00	.00	10,000.00	10,000.00	10,000.00	.00
	<i>Computer Equipment Totals</i>	\$1,834.37	\$430.29	\$0.00	\$0.00	\$10,000.00	\$10,000.00	\$10,000.00	\$0.00
	<i>Machinery and Equipment Totals</i>	\$1,834.37	\$3,789.36	\$0.00	\$0.00	\$33,500.00	\$33,500.00	\$33,500.00	\$0.00
	<i>Capital Totals</i>	\$1,834.37	\$3,789.36	\$0.00	\$0.00	\$33,500.00	\$33,500.00	\$33,500.00	\$0.00
Transfers Out									
150.150.160.99001	Transfer to Fund 001	.00	.00	.00	4,370.00	4,370.00	4,370.00	4,370.00	.00
	<i>Transfers Out Totals</i>	\$0.00	\$0.00	\$0.00	\$4,370.00	\$4,370.00	\$4,370.00	\$4,370.00	\$0.00
	Sub-Department 160 - Tax Sale Automation Totals	\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	\$192,420.00	(\$3,411.00)



FY24 SR Budget Summary Second Level - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 150 - Tax Sale Automation									
EXPENSE									
Department 150 - Treasurer/Collector Totals		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	\$192,420.00	(\$3,411.00)
EXPENSE TOTALS		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	\$192,420.00	(\$3,411.00)
Fund 150 - Tax Sale Automation Totals									
REVENUE TOTALS		\$28,992.00	\$128,315.12	\$68,919.32	\$2,156.22	\$152,574.00	\$195,831.00	\$192,420.00	(\$3,411.00)
EXPENSE TOTALS		\$7,495.29	\$45,941.63	\$0.00	\$36,611.95	\$227,401.00	\$195,831.00	\$192,420.00	(\$3,411.00)
Fund 150 - Tax Sale Automation Totals		\$21,496.71	\$82,373.49	\$68,919.32	(\$34,455.73)	(\$74,827.00)	\$0.00	\$0.00	\$0.00
Fund 268 - Sale & Error									
REVENUE									
Department 150 - Treasurer/Collector									
Sub-Department 000 - Revenues									
<i>Charges for Services</i>									
268.150.000.34115	Sale in Error Fee	.00	94,160.70	97,039.88	.00	21,000.00	21,000.00	21,000.00	.00
<i>Charges for Services Totals</i>		\$0.00	\$94,160.70	\$97,039.88	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
<i>Interest Revenue</i>									
268.150.000.38000	Investment Income	8,639.82	(263.70)	(7,452.17)	746.80	.00	.00	.00	.00
<i>Interest Revenue Totals</i>		\$8,639.82	(\$263.70)	(\$7,452.17)	\$746.80	\$0.00	\$0.00	\$0.00	\$0.00
<i>Transfers In</i>									
268.150.000.39000	Transfer From Other Funds	.00	33,400.00	.00	.00	.00	.00	.00	.00
<i>Transfers In Totals</i>		\$0.00	\$33,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Sub-Department 000 - Revenues Totals		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Department 150 - Treasurer/Collector Totals		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
REVENUE TOTALS		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
EXPENSE									
Department 150 - Treasurer/Collector									
Sub-Department 155 - Sale & Error									
<i>Transfers Out</i>									
268.150.155.99000	Transfer To Other Funds	86,697.00	35,917.00	.00	.00	.00	.00	.00	.00
268.150.155.99001	Transfer to Fund 001	.00	.00	96,515.00	.00	21,000.00	21,000.00	21,000.00	.00
<i>Transfers Out Totals</i>		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Sub-Department 155 - Sale & Error Totals		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Department 150 - Treasurer/Collector Totals		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
EXPENSE TOTALS		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
Fund 268 - Sale & Error Totals									
REVENUE TOTALS		\$8,639.82	\$127,297.00	\$89,587.71	\$746.80	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00
EXPENSE TOTALS		\$86,697.00	\$35,917.00	\$96,515.00	\$0.00	\$21,000.00	\$21,000.00	\$21,000.00	\$0.00



FY24 SR Budget Summary Second Level - Treasurer

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
	Fund 268 - Sale & Error Totals	(\$78,057.18)	\$91,380.00	(\$6,927.29)	\$746.80	\$0.00	\$0.00	\$0.00	\$0.00
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$37,631.82	\$255,612.12	\$158,507.03	\$2,903.02	\$173,574.00	\$216,831.00	\$213,420.00	(\$3,411.00)
	EXPENSE GRAND TOTALS	\$94,192.29	\$81,858.63	\$96,515.00	\$36,611.95	\$248,401.00	\$216,831.00	\$213,420.00	(\$3,411.00)
	Net Grand Totals	(\$56,560.47)	\$173,753.49	\$61,992.03	(\$33,708.93)	(\$74,827.00)	\$0.00	\$0.00	\$0.00

STATE OF ILLINOIS)

SS.

COUNTY OF KANE)

FINANCE REPORT NO. TMP-23-1316

MONTHLY FINANCE REPORTS (ATTACHED)

Kane County

Finance Department Update

FINANCE COMMITTEE

SEPTEMBER 27, 2023

Finance Department Update

Finance –

- FY 2022 Annual Audit Completed and filed on August 30, 2023
 - Unmodified “clean” audit opinion
 - Reports issued
 - Annual Comprehensive Financial Report (ACFR)
 - Report on Federal Awards
 - Illinois Grant Accountability and Transparency Act – Consolidated Year-End Financial Report (CYEFR)
 - Thank you!
 - Amy Ramer-Holmes, Assistant Director of Finance
 - Juliet Gaber, Accounting Manager
 - Bernadette Wierzbiak, Staff Accountant
 - Nikki Daccardo, Accounting Clerk
- Automation - accounting software tools
 - Bank Reconciliation module
 - Business Analytics reports – make available for all departments

Finance Department Update -

Payroll

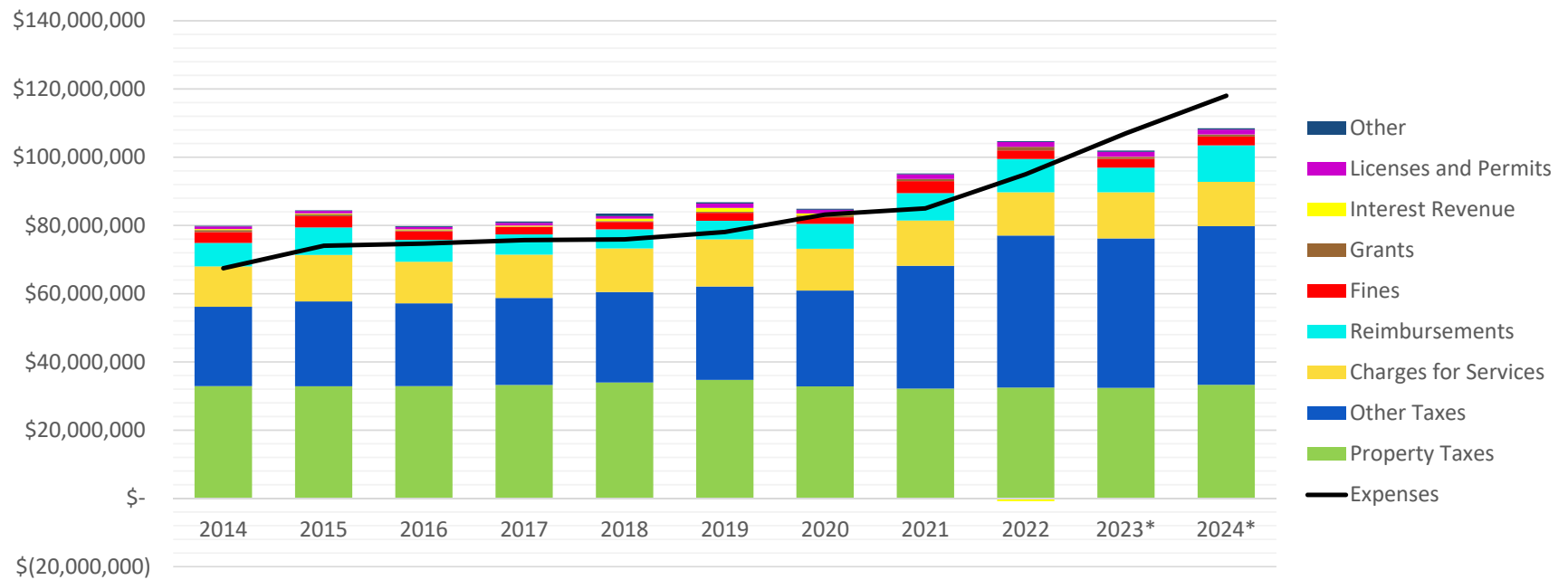
- Automating Personnel Action Form (PAF) to eliminate paper processing
 - Currently in test phase with three departments – will require department heads to electronically approve PAF's
 - First phase goal – process all salary adjustments electronically

Purchasing

- Procurement Card – P-Card program – replacing administering bank

General Fund

General Account – Sources of Revenue and Expenses (expenses funded from COVID payroll reimbursements fund included)



*2023 estimates; Kane County budgeted a loss in the General Fund – General Account of 16.6million and may end up at a loss of \$7 million.

*2024 "Second Review" Budget expenses exceed revenues by \$14 million. The expenses for the Second Review Budget include amounts for vacant positions, but do not include amounts for COL increases, union increases for 9 outstanding contracts, and equity salary increases

Kane County Revenue Report - Summary
Through August 31, 2023 (75.0% YTD)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Fund Balance Utilization	YTD Actual Transactions	Total % Received
000 General Government Revenue	\$ 4,189,003	\$ 102,798,724	\$ 102,753,911	\$ 67,207,120	65.41%
001 General Fund	\$ 4,079,843	\$ 96,050,057	\$ 96,050,057	\$ 63,680,843	66.30%
010 Insurance Liability	\$ 109,160	\$ 6,725,982	\$ 6,703,854	\$ 3,526,277	52.60%
354 Mass Vaccination Fund	\$ -	\$ 22,685	\$ -	\$ -	N/A
010 County Board	\$ 23,000	\$ 11,854,374	\$ 8,891,576	\$ 5,765,119	64.84%
001 General Fund	\$ -	\$ 92,500	\$ 92,500	\$ 112,050	121.14%
120 Grand Victoria Casino Elgin	\$ 23,000	\$ 5,488,673	\$ 5,437,028	\$ 4,983,280	91.65%
430 Farmland Preservation	\$ -	\$ 6,273,201	\$ 3,362,048	\$ 669,788	19.92%
040 Finance	\$ -	\$ 5,000	\$ 5,000	\$ 8,251	165.02%
001 General Fund	\$ -	\$ 5,000	\$ 5,000	\$ 8,251	165.02%
060 Information Technologies	\$ 131,133	\$ 3,474,573	\$ 3,091,913	\$ 1,993,319	64.47%
001 General Fund	\$ 21,470	\$ 1,251,913	\$ 1,251,913	\$ 944,155	75.42%
101 Geographic Information Systems	\$ 109,663	\$ 1,921,160	\$ 1,478,500	\$ 691,273	46.76%
385 IL Counties Information Mgmt	\$ -	\$ 4,000	\$ 4,000	\$ 4	0.09%
390 Web Technical Services	\$ -	\$ 297,500	\$ 357,500	\$ 357,888	100.11%
080 Building Management	\$ 7,632	\$ 50,659	\$ 50,659	\$ 22,895	45.19%
001 General Fund	\$ 7,632	\$ 50,659	\$ 50,659	\$ 22,895	45.19%
120 Human Resource Management	\$ -	\$ 984	\$ 984	\$ 473	48.09%
246 Employee Events Fund	\$ -	\$ 984	\$ 984	\$ 473	48.09%
150 Treasurer/Collector	\$ -	\$ 1,694,574	\$ 1,619,000	\$ 2,903	0.18%
001 General Fund	\$ -	\$ 1,521,000	\$ 1,521,000	\$ -	0.00%
150 Tax Sale Automation	\$ -	\$ 152,574	\$ 77,000	\$ 2,156	2.80%
268 Sale & Error	\$ -	\$ 21,000	\$ 21,000	\$ 747	3.56%

**Kane County Revenue Report - Summary
Through August 31, 2023 (75.0% YTD)**

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Fund Balance Utilization	YTD Actual Transactions	Total % Received
170 Supervisor of Assessments	\$ 5,961	\$ 72,653	\$ 72,653	\$ 55,669	76.62%
001 General Fund	\$ 5,961	\$ 72,653	\$ 72,653	\$ 55,669	76.62%
190 County Clerk	\$ 112,163	\$ 2,231,767	\$ 1,309,543	\$ 976,106	74.54%
001 General Fund	\$ 94,678	\$ 1,134,543	\$ 1,134,543	\$ 833,305	73.45%
160 Vital Records Automation	\$ 17,485	\$ 247,224	\$ 174,900	\$ 141,716	81.03%
161 Election Equipment Fund	\$ -	\$ 850,000	\$ 100	\$ 1,085	1,084.90%
210 Recorder	\$ 318,990	\$ 5,605,326	\$ 5,245,060	\$ 2,523,374	48.11%
001 General Fund	\$ 268,563	\$ 4,380,550	\$ 4,380,550	\$ 2,134,276	48.72%
170 Recorder's Automation	\$ 50,427	\$ 1,224,776	\$ 864,510	\$ 389,098	45.01%
240 Judiciary and Courts	\$ 101,885	\$ 909,868	\$ 899,955	\$ 789,605	87.74%
001 General Fund	\$ 77,293	\$ 688,030	\$ 688,030	\$ 558,086	81.11%
195 Children's Waiting Room	\$ 24,279	\$ 144,755	\$ 137,755	\$ 206,337	149.79%
196 D.U.I.	\$ 313	\$ 12,580	\$ 12,580	\$ 5,207	41.39%
197 Foreclosure Mediation Fund	\$ -	\$ 61,503	\$ 58,590	\$ 19,971	34.09%
492 Marriage Fees	\$ -	\$ 3,000	\$ 3,000	\$ 5	0.15%
250 Circuit Clerk	\$ 530,533	\$ 6,350,496	\$ 5,992,128	\$ 4,468,530	74.57%
001 General Fund	\$ 337,617	\$ 3,588,100	\$ 3,588,100	\$ 2,829,383	78.85%
200 Court Automation	\$ 68,636	\$ 1,028,542	\$ 800,500	\$ 579,057	72.34%
201 Court Document Storage	\$ 68,246	\$ 825,050	\$ 800,500	\$ 574,935	71.82%
202 Child Support	\$ 9,310	\$ 182,195	\$ 138,028	\$ 59,103	42.82%
203 Circuit Clerk Admin Services	\$ 23,144	\$ 406,825	\$ 401,000	\$ 219,379	54.71%
204 Circuit Clk Electronic Citation	\$ 17,206	\$ 244,284	\$ 188,500	\$ 144,098	76.44%
205 Circuit Ct Clerk Op and Admin	\$ 6,374	\$ 75,500	\$ 75,500	\$ 62,574	82.88%
300 State's Attorney	\$ 334,260	\$ 5,660,388	\$ 5,234,603	\$ 4,258,264	81.35%
001 General Fund	\$ 128,745	\$ 1,879,422	\$ 1,879,422	\$ 1,359,533	72.34%
220 Title IV-D	\$ 35,171	\$ 898,804	\$ 879,447	\$ 620,427	70.55%
221 Drug Prosecution	\$ 7,771	\$ 379,897	\$ 348,325	\$ 337,852	96.99%
222 Victim Coordinator Services	\$ 25,000	\$ 161,246	\$ 155,960	\$ 149,398	95.79%
223 Domestic Violence	\$ -	\$ 356,726	\$ 350,000	\$ 350,087	100.02%
225 Auto Theft Task Force	\$ -	\$ -	\$ -	\$ 50	N/A
226 Weed and Seed	\$ -	\$ 14,535	\$ -	\$ -	N/A
230 Child Advocacy Center	\$ 129,244	\$ 1,764,414	\$ 1,507,439	\$ 1,338,452	88.79%
231 Equitable Sharing Program	\$ -	\$ 25,000	\$ 25,000	\$ 54	0.22%
232 State's Atty Records Automation	\$ 1,759	\$ 75,334	\$ 30,000	\$ 15,427	51.42%
233 Bad Check Restitution	\$ -	\$ -	\$ -	\$ 60	N/A
234 Drug Asset Forfeiture	\$ 3,164	\$ 50,000	\$ 50,000	\$ 39,788	79.58%
235 State's Attorney Employee Events	\$ -	\$ 10	\$ 10	\$ 2	20.40%
236 Child Advocacy Advisory Board	\$ -	\$ -	\$ -	\$ 37	N/A
237 Money Laundering - State's Atty	\$ -	\$ 5,000	\$ 5,000	\$ 11,827	236.53%
490 Kane County Law Enforcement	\$ 3,408	\$ 50,000	\$ 4,000	\$ 35,270	881.76%
360 Public Defender	\$ 13,119	\$ 139,252	\$ 139,252	\$ 99,727	71.62%
001 General Fund	\$ 12,207	\$ 138,252	\$ 138,252	\$ 91,943	66.50%
244 Public Defender Rec Automation	\$ 912	\$ 1,000	\$ 1,000	\$ 7,783	778.34%

Kane County Revenue Report - Summary
Through August 31, 2023 (75.0% YTD)

	Current Month Transactions		Total Amended Budget		Total Amended Budget excluding Fund Balance Utilization		YTD Actual Transactions	Total % Received
370 Law Library	\$ 55,888	\$	291,071	\$	287,951	\$	240,246	83.43%
250 Law Library	\$ 55,888	\$	291,071	\$	287,951	\$	240,246	83.43%
380 Sheriff	\$ 424,109	\$	5,509,528	\$	4,583,386	\$	2,672,156	58.30%
001 General Fund	\$ 413,309	\$	3,146,056	\$	3,146,056	\$	1,933,749	61.47%
128 Sheriff's Vehicle & Equipment	\$ -	\$	1,364,142	\$	438,000	\$	435,638	99.46%
247 EMA Volunteer Fund	\$ -	\$	-	\$	-	\$	47	N/A
248 KC Emergency Planning	\$ -	\$	-	\$	-	\$	35	N/A
249 Bomb Squad SWAT	\$ -	\$	5,000	\$	5,000	\$	-	0.00%
251 Canteen Commission	\$ -	\$	650,000	\$	650,000	\$	-	0.00%
252 Sheriff DEF Federal - DOJ	\$ -	\$	10,000	\$	10,000	\$	31,368	313.68%
253 County Sheriff DEF Local	\$ -	\$	20,000	\$	20,000	\$	-	0.00%
254 FATS	\$ -	\$	6,000	\$	6,000	\$	-	0.00%
255 K-9 Unit	\$ -	\$	30,000	\$	30,000	\$	-	0.00%
256 Vehicle Maintenance/Purchase	\$ -	\$	1,200	\$	1,200	\$	4,038	336.51%
257 Sheriff DUI Fund	\$ -	\$	32,000	\$	32,000	\$	-	0.00%
258 Sheriffs Office Money Laundering	\$ -	\$	5,000	\$	5,000	\$	38,455	769.10%
259 Transportation Safety Highway HB	\$ -	\$	20,000	\$	20,000	\$	5	0.03%
262 AJF Medical Cost	\$ 2,616	\$	25,040	\$	25,040	\$	20,544	82.04%
263 Sheriff Civil Operations	\$ -	\$	20,000	\$	20,000	\$	-	0.00%
264 Cannabis Regulation - Local	\$ 8,184	\$	90,090	\$	90,090	\$	62,189	69.03%
265 Sheriff DEF Federal - Treasury	\$ -	\$	50,000	\$	50,000	\$	126,563	253.13%
702 Sheriff's Detail Escrow	\$ -	\$	35,000	\$	35,000	\$	19,525	55.79%
425 Kane Comm	\$ 82,440	\$	2,512,716	\$	2,370,712	\$	2,296,997	96.89%
269 Kane Comm	\$ 82,440	\$	2,512,716	\$	2,370,712	\$	2,296,997	96.89%
430 Court Services	\$ 244,447	\$	9,358,889	\$	8,862,789	\$	5,827,624	65.75%
001 General Fund	\$ 164,588	\$	7,038,472	\$	7,038,472	\$	4,796,807	68.15%
270 Probation Services	\$ 71,174	\$	1,607,100	\$	1,111,000	\$	572,576	51.54%
271 Substance Abuse Screening	\$ 1,004	\$	80,000	\$	80,000	\$	10,103	12.63%
273 Drug Court Special Resources	\$ 6,829	\$	622,517	\$	622,517	\$	430,964	69.23%
276 Probation Victim Services	\$ 851	\$	10,000	\$	10,000	\$	9,359	93.59%
277 Victim Impact Panel	\$ -	\$	-	\$	-	\$	7,609	N/A
278 Juvenile Justice Donation Fund	\$ -	\$	700	\$	700	\$	207	29.57%
759 Court Svcs Employee Education	\$ -	\$	100	\$	100	\$	-	0.00%

**Kane County Revenue Report - Summary
Through August 31, 2023 (75.0% YTD)**

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Fund Balance Utilization	YTD Actual Transactions	Total % Received
490 Coroner	\$ 32,177	\$ 204,818	\$ 181,780	\$ 138,537	76.21%
289 Coroner Administration	\$ 32,177	\$ 204,808	\$ 181,770	\$ 138,532	76.21%
701 Elder Fatality Review Team	\$ -	\$ 10	\$ 10	\$ 5	49.70%
500 Animal Control	\$ 124,287	\$ 1,029,940	\$ 1,014,157	\$ 835,257	82.36%
290 Animal Control	\$ 124,287	\$ 1,029,940	\$ 1,014,157	\$ 835,257	82.36%
510 Emergency Management Services	\$ 300	\$ 97,200	\$ 97,200	\$ 6,650	6.84%
001 General Fund	\$ -	\$ 90,000	\$ 90,000	\$ -	0.00%
247 EMA Volunteer Fund	\$ 300	\$ 3,200	\$ 3,200	\$ 1,300	40.63%
248 KC Emergency Planning	\$ -	\$ 4,000	\$ 4,000	\$ 5,350	133.75%
520 Transportation	\$ 3,758,381	\$ 136,604,243	\$ 67,426,059	\$ 31,366,590	46.52%
300 County Highway	\$ 129,839	\$ 9,817,609	\$ 6,113,929	\$ 3,141,871	51.39%
301 County Bridge	\$ 4,920	\$ 331,195	\$ 331,195	\$ 159,355	48.12%
302 Motor Fuel Tax	\$ 1,035,986	\$ 38,280,439	\$ 13,061,385	\$ 6,796,245	52.03%
303 County Highway Matching	\$ 1,026	\$ 88,248	\$ 68,125	\$ 33,613	49.34%
304 Motor Fuel Local Option	\$ 838,550	\$ 13,180,000	\$ 9,436,000	\$ 5,755,696	61.00%
305 Transportation Sales Tax	\$ 1,617,093	\$ 45,400,565	\$ 17,815,000	\$ 11,252,000	63.16%
515 Longmeadow Bond Construction	\$ -	\$ 18,302,263	\$ 17,508,000	\$ -	0.00%
540 Transportation Capital	\$ -	\$ 209,000	\$ 750	\$ 286	38.17%
550 Aurora Area Impact Fees	\$ -	\$ 250	\$ 250	\$ 874	349.79%
551 Campton Hills Impact Fees	\$ -	\$ 250	\$ 250	\$ 5,348	2,139.22%
552 Greater Elgin Impact Fees	\$ -	\$ 427,117	\$ 4,500	\$ 591	13.13%
553 Northwest Impact Fees	\$ -	\$ 345,000	\$ 1,200	\$ 447	37.27%
554 Southwest Impact Fees	\$ -	\$ 113,270	\$ 400	\$ 1	0.31%
555 Tri-Cities Impact Fees	\$ -	\$ 4,600	\$ 25	\$ 0	1.72%
556 Upper Fox Impact Fees	\$ -	\$ 251,000	\$ 900	\$ 433	48.16%
557 West Central Impact Fees	\$ -	\$ 41,400	\$ 150	\$ 47	31.32%
558 North Impact Fees	\$ 89,077	\$ 3,060,000	\$ 2,048,000	\$ 2,050,224	100.11%
559 Central Impact Fees	\$ 27,658	\$ 2,381,000	\$ 313,000	\$ 720,457	230.18%
560 South Impact Fees	\$ 14,231	\$ 4,371,037	\$ 723,000	\$ 1,449,100	200.43%
580 Health	\$ 460,148	\$ 11,479,430	\$ 9,471,570	\$ 6,880,115	72.64%
349 Opioid Settlement Fund	\$ -	\$ -	\$ -	\$ 657,293	N/A
350 County Health	\$ 466,835	\$ 10,893,346	\$ 8,935,372	\$ 5,826,593	65.21%
351 Kane Kares	\$ (6,686)	\$ 586,084	\$ 536,198	\$ 396,229	73.90%

Kane County Revenue Report - Summary
Through August 31, 2023 (75.0% YTD)

	Current Month Transactions		Total Amended Budget		Total Amended Budget excluding Fund Balance Utilization		YTD Actual Transactions		Total % Received
660 Veterans' Commission	\$ 7,315	\$	\$ 573,999	\$	\$ 464,810	\$	\$ 235,423		50.65%
380 Veterans' Commission	\$ 7,315	\$	\$ 573,999	\$	\$ 464,810	\$	\$ 235,423		50.65%
670 Environmental Management	\$ -	\$	\$ 779,861	\$	\$ 532,484	\$	\$ 337,292		63.34%
001 General Fund	\$ -	\$	\$ 64,089	\$	\$ 64,089	\$	\$ 58,447		91.20%
420 Stormwater Management	\$ -	\$	\$ 236,661	\$	\$ 4,751	\$	\$ 4,323		91.00%
421 Elec Agg Civic Contribution	\$ -	\$	\$ 254,648	\$	\$ 254,648	\$	\$ 158,126		62.10%
650 Enterprise Surcharge	\$ -	\$	\$ 223,463	\$	\$ 207,996	\$	\$ 116,378		55.95%
751 Subdivision Review Escrow	\$ -	\$	\$ 1,000	\$	\$ 1,000	\$	\$ 18		1.81%
690 Development	\$ 673,201	\$	\$ 18,158,122	\$	\$ 14,295,873	\$	\$ 16,992,793		118.87%
001 General Fund	\$ 144,328	\$	\$ 1,998,350	\$	\$ 1,998,350	\$	\$ 1,375,478		68.83%
400 Economic Development	\$ -	\$	\$ 357,084	\$	\$ 224,893	\$	\$ 74,798		33.26%
401 Community Dev Block Program	\$ 324,223	\$	\$ 2,022,761	\$	\$ 2,016,296	\$	\$ 1,721,568		85.38%
402 HOME Program	\$ 23,868	\$	\$ 1,264,538	\$	\$ 1,261,616	\$	\$ 1,528,065		121.12%
403 Unincorporated Stormwater Mgmt	\$ -	\$	\$ 55,000	\$	\$ 4,040	\$	\$ 17,617		436.06%
404 Homeless Management Info Systems	\$ 12,983	\$	\$ 227,366	\$	\$ 143,485	\$	\$ 93,572		65.21%
405 Cost Share Drainage	\$ -	\$	\$ 189,403	\$	\$ 74,617	\$	\$ 97,192		130.25%
406 OCR & Recovery Act Programs	\$ 15,000	\$	\$ 55,552	\$	\$ 55,444	\$	\$ 15,000		27.05%
407 Quality of Kane Grants	\$ -	\$	\$ 30,110	\$	\$ 10,110	\$	\$ 54		0.54%
408 Neighborhood Stabilization Progr	\$ -	\$	\$ -	\$	\$ -	\$	\$ 34,680		N/A
409 Continuum of Care Planning Grant	\$ 7,860	\$	\$ 87,429	\$	\$ 85,091	\$	\$ 57,926		68.08%
410 Elgin CDBG	\$ 29,852	\$	\$ 959,568	\$	\$ 955,581	\$	\$ 357,359		37.40%
411 Emergency Rental Assistance	\$ -	\$	\$ -	\$	\$ -	\$	\$ 651,437		N/A
412 Emergency Rental Assistance #2	\$ -	\$	\$ 7,935,693	\$	\$ 4,659,947	\$	\$ 9,494,999		203.76%
413 CDBG-CV	\$ 621	\$	\$ 551,800	\$	\$ 550,770	\$	\$ 483,670		87.82%
414 Home - ARP	\$ 28,495	\$	\$ 853,213	\$	\$ 849,756	\$	\$ 68,625		8.08%
415 Homeless Prevention Program	\$ 75,758	\$	\$ 246,230	\$	\$ 246,230	\$	\$ 304,572		123.69%
425 Blighted Structure Demolition	\$ -	\$	\$ 120,000	\$	\$ 120,000	\$	\$ 12,734		10.61%
435 Growing for Kane	\$ -	\$	\$ 177,140	\$	\$ 140,140	\$	\$ 126,042		89.94%
520 Mill Creek Special Service Area	\$ 10,103	\$	\$ 1,009,409	\$	\$ 884,603	\$	\$ 471,071		53.25%
521 Bowes Creek Special Service Area	\$ -	\$	\$ 5	\$	\$ 5	\$	\$ 2		32.00%
5300 Sunvale SBA SW 37	\$ -	\$	\$ -	\$	\$ -	\$	\$ 3		N/A
5301 Middle Creek SBA SW38	\$ -	\$	\$ -	\$	\$ -	\$	\$ 3		N/A
5302 Shirewood Farm SSA SW39	\$ -	\$	\$ 110	\$	\$ 110	\$	\$ 55		50.33%
5303 Ogden Gardens SBA SW40	\$ -	\$	\$ -	\$	\$ -	\$	\$ 8		N/A
5304 Wildwood West SBA SW41	\$ -	\$	\$ 665	\$	\$ 665	\$	\$ 354		53.24%
5306 Cheval DeSelle Venetian SBA SW43	\$ 74	\$	\$ 2,200	\$	\$ 2,200	\$	\$ 1,203		54.70%
5308 Plank Road Estates SBA SW45	\$ -	\$	\$ 1,575	\$	\$ 1,575	\$	\$ 860		54.58%
5310 Exposition View SBA SW47	\$ 12	\$	\$ 500	\$	\$ 500	\$	\$ 310		62.08%
5311 Pasadena Drive SBA SW48	\$ 25	\$	\$ 3,872	\$	\$ 1,300	\$	\$ 929		71.49%
5312 Tamara Dittman SBA SW 50	\$ -	\$	\$ 1,215	\$	\$ 1,215	\$	\$ 607		49.98%
5313 Church Molitor SSA SA 52	\$ -	\$	\$ 3,334	\$	\$ 3,334	\$	\$ 2,000		60.00%
5314 45W185 Plank Road SSA SW 54	\$ -	\$	\$ 4,000	\$	\$ 4,000	\$	\$ 0		0.00%

Kane County Revenue Report - Summary
Through August 31, 2023 (75.0% YTD)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Fund Balance Utilization	YTD Actual Transactions	Total % Received
760 Debt Service	\$ -	\$ 23,302,637	\$ 23,049,807	\$ 4,815,086	20.89%
601 Public Building Commission	-	11,240	11,240	1,396	12.42%
610 Capital Improvement Debt Service	-	202,202	3,540	-	0.00%
620 Motor Fuel Tax Debt Service	-	3,000	3,000	4	0.14%
621 Transit Sales Tax Debt Service	-	1,750	1,750	2	0.11%
622 Recovery Zone Bond Debt Service	-	135,187	135,187	54,141	40.05%
623 JJC/AJC Refunding Debt Service	-	3,076,121	3,076,121	3,042,454	98.91%
624 Longmeadow Debt Service	-	19,818,969	19,818,969	1,718,880	8.67%
625 Longmeadow Debt Srv - Cap Int	-	54,168	-	(1,791)	N/A
800 Other- Countywide Expenses	\$ 11,261,351	\$ 112,781,092	\$ 52,844,404	\$ 115,557,343	218.67%
100 County Automation	271	7,475	7,475	2,737	36.62%
110 Illinois Municipal Retirement	77,752	5,479,925	4,986,586	2,526,313	50.66%
111 FICA/Social Security	79,900	5,212,071	5,091,966	2,585,073	50.77%
112 Special Reserve	-	296,508	262,600	260,050	99.03%
113 Emergency Reserve	-	52,770	52,770	6,554	12.42%
114 Property Tax Freeze Protection	-	5,049,890	49,890	6,188	12.40%
125 Public Safety Sales Tax	194,041	2,042,600	2,042,600	1,257,945	61.59%
127 Judicial Technology Sales Tax	129,361	1,520,289	1,496,600	838,630	56.04%
355 American Rescue Plan	-	26,793,023	-	69,405,858	N/A
356 ARP Recoupment of Lost Revenue	-	10	10	7,165,438	71,654,382.80%
357 COVID Payroll Reimbursement	-	18,619,886	100,000	20,512	20.51%
358 FEMA PA Administration	-	250,000	-	310	N/A
500 Capital Projects	8,164,718	18,470,510	10,120,959	12,144,473	119.99%
501 Judicial Facility Construction	68,183	4,191,992	3,891,992	3,866,735	99.35%
510 Capital Improvement Bond Const	-	840	840	-	0.00%
652 Health Insurance Fund	2,547,125	24,793,303	24,740,116	15,470,527	62.53%
900 Contingency	\$ -	\$ 33,800	\$ 33,800	\$ 4,198	12.42%
660 Working Cash	-	33,800	33,800	4,198	12.42%
Grand Total	\$ 22,891,723	\$ 463,565,984	\$ 320,823,019	\$ 276,377,665	86.15%

Kane County Expenditure Report - Summary
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

	Current Month	Total Amended	Budget	Budget excluding Addition to	YTD Actual	YTD	Total % Used
	Transactions	Budget	Fund Balance	Transactions	Encumbrances		
010 County Board	\$ 236,017	\$ 13,212,631	\$ 12,208,906	\$ 4,723,386	\$ 13,190	38.69%	
001 General Fund	\$ 170,490	\$ 1,450,757	\$ 1,450,757	\$ 1,090,279	\$ -	75.15%	
120 Grand Victoria Casino Elgin	\$ 40,088	\$ 5,488,673	\$ 4,484,948	\$ 3,493,021	\$ 49	77.88%	
430 Farmland Preservation	\$ 25,439	\$ 6,273,201	\$ 6,273,201	\$ 140,086	\$ 13,141	2.23%	
040 Finance	\$ 90,600	\$ 1,570,239	\$ 1,570,239	\$ 980,993	\$ 41,890	62.47%	
001 General Fund	\$ 90,600	\$ 1,570,239	\$ 1,570,239	\$ 980,993	\$ 41,890	62.47%	
060 Information Technologies	\$ 500,450	\$ 7,339,264	\$ 7,339,264	\$ 4,384,094	\$ 166,991	59.73%	
001 General Fund	\$ 351,141	\$ 5,114,094	\$ 5,114,094	\$ 2,860,476	\$ 33,464	55.93%	
101 Geographic Information Systems	\$ 116,700	\$ 1,921,160	\$ 1,921,160	\$ 1,236,639	\$ 86,960	64.37%	
354 Mass Vaccination Fund	\$ -	\$ 2,510	\$ 2,510	\$ -	\$ -	0.00%	
385 IL Counties Information Mgmt	\$ 24	\$ 4,000	\$ 4,000	\$ 651	\$ -	16.27%	
390 Web Technical Services	\$ 32,585	\$ 297,500	\$ 297,500	\$ 286,328	\$ 46,567	96.24%	
080 Building Management	\$ 818,227	\$ 9,056,947	\$ 9,056,947	\$ 5,342,498	\$ 531,201	58.99%	
001 General Fund	\$ 818,227	\$ 9,036,772	\$ 9,036,772	\$ 5,338,658	\$ 531,201	59.08%	
354 Mass Vaccination Fund	\$ -	\$ 20,175	\$ 20,175	\$ 3,840	\$ -	19.03%	
120 Human Resource Management	\$ (843,620)	\$ 4,682,060	\$ 4,682,060	\$ 3,265,739	\$ 22,659	69.75%	
001 General Fund	\$ 21,228	\$ 356,263	\$ 356,263	\$ 194,169	\$ -	54.50%	
010 Insurance Liability	\$ (864,848)	\$ 4,324,813	\$ 4,324,813	\$ 3,071,569	\$ 22,659	71.02%	
246 Employee Events Fund	\$ -	\$ 984	\$ 984	\$ -	\$ -	0.00%	
140 County Auditor	\$ 20,817	\$ 302,548	\$ 302,548	\$ 199,309	\$ -	65.88%	
001 General Fund	\$ 20,817	\$ 302,548	\$ 302,548	\$ 199,309	\$ -	65.88%	

Kane County Expenditure Report - Summary
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

	Current Month	Total Amended	Budget excluding	YTD Actual	YTD	Total % Used
	Transactions	Budget	Addition to Fund Balance	Transactions	Encumbrances	
150 Treasurer/Collector	\$ 84,982	\$ 1,064,403	\$ 1,064,403	\$ 680,661	\$ 1,455	63.95%
001 General Fund	\$ 79,152	\$ 890,829	\$ 890,829	\$ 650,802	\$ 1,455	73.06%
150 Tax Sale Automation	\$ 5,831	\$ 152,574	\$ 152,574	\$ 29,859	\$ -	19.57%
268 Sale & Error	\$ -	\$ 21,000	\$ 21,000	\$ -	\$ -	0.00%
170 Supervisor of Assessments	\$ 98,261	\$ 1,426,886	\$ 1,426,886	\$ 901,705	\$ 1,859	63.19%
001 General Fund	\$ 98,261	\$ 1,426,886	\$ 1,426,886	\$ 901,705	\$ 1,859	63.19%
190 County Clerk	\$ 210,929	\$ 5,691,699	\$ 5,543,366	\$ 2,532,198	\$ 19,004	45.68%
001 General Fund	\$ 198,856	\$ 4,594,475	\$ 4,594,475	\$ 2,450,457	\$ 19,004	53.33%
160 Vital Records Automation	\$ 12,072	\$ 247,224	\$ 98,891	\$ 81,741	\$ -	82.66%
161 Election Equipment Fund	\$ -	\$ 850,000	\$ 850,000	\$ -	\$ -	0.00%
210 Recorder	\$ 128,074	\$ 2,117,814	\$ 2,117,814	\$ 1,183,070	\$ -	55.86%
001 General Fund	\$ 56,053	\$ 893,038	\$ 893,038	\$ 527,629	\$ -	59.08%
170 Recorder's Automation	\$ 72,021	\$ 1,224,776	\$ 1,224,776	\$ 655,441	\$ -	53.52%
230 Regional Office of Education	\$ 40,273	\$ 471,354	\$ 471,354	\$ 327,049	\$ -	69.39%
001 General Fund	\$ 40,273	\$ 471,354	\$ 471,354	\$ 327,049	\$ -	69.39%
240 Judiciary and Courts	\$ 280,283	\$ 4,433,992	\$ 4,426,642	\$ 2,817,132	\$ -	63.64%
001 General Fund	\$ 267,247	\$ 4,212,154	\$ 4,212,154	\$ 2,688,883	\$ -	63.84%
195 Children's Waiting Room	\$ 13,036	\$ 144,755	\$ 144,755	\$ 125,337	\$ -	86.59%
196 D.U.I.	\$ -	\$ 12,580	\$ 5,230	\$ -	\$ -	0.00%
197 Foreclosure Mediation Fund	\$ -	\$ 61,503	\$ 61,503	\$ 2,913	\$ -	4.74%
492 Marriage Fees	\$ -	\$ 3,000	\$ 3,000	\$ -	\$ -	0.00%
250 Circuit Clerk	\$ 556,185	\$ 8,935,036	\$ 8,733,185	\$ 4,401,865	\$ -	50.40%
001 General Fund	\$ 389,776	\$ 6,172,640	\$ 6,172,640	\$ 3,252,307	\$ -	52.69%
200 Court Automation	\$ 53,500	\$ 1,028,542	\$ 1,028,542	\$ 339,547	\$ -	33.01%
201 Court Document Storage	\$ 53,183	\$ 825,050	\$ 721,711	\$ 375,538	\$ -	52.03%
202 Child Support	\$ 8,850	\$ 182,195	\$ 182,195	\$ 84,121	\$ -	46.17%
203 Circuit Clerk Admin Services	\$ 32,794	\$ 406,825	\$ 373,813	\$ 191,219	\$ -	51.15%
204 Circuit Clk Electronic Citation	\$ 18,082	\$ 244,284	\$ 244,284	\$ 159,133	\$ -	65.14%
205 Circuit Ct Clerk Op and Admin	\$ -	\$ 75,500	\$ 10,000	\$ -	\$ -	0.00%
300 State's Attorney	\$ 1,328,845	\$ 16,714,712	\$ 16,515,619	\$ 10,621,300	\$ 12,439	64.31%
001 General Fund	\$ 712,584	\$ 10,532,577	\$ 10,532,577	\$ 6,725,029	\$ 11,659	63.85%
010 Insurance Liability	\$ 237,709	\$ 2,401,169	\$ 2,401,169	\$ 1,467,812	\$ -	61.13%
220 Title IV-D	\$ 79,568	\$ 898,804	\$ 898,804	\$ 517,775	\$ -	57.61%
221 Drug Prosecution	\$ 52,578	\$ 379,897	\$ 379,897	\$ 320,412	\$ -	84.34%
222 Victim Coordinator Services	\$ 23,434	\$ 161,246	\$ 161,246	\$ 177,363	\$ -	110.00%
223 Domestic Violence	\$ 30,598	\$ 356,726	\$ 356,000	\$ 190,398	\$ -	53.48%
226 Weed and Seed	\$ -	\$ 14,535	\$ 14,535	\$ -	\$ -	0.00%
230 Child Advocacy Center	\$ 186,793	\$ 1,764,414	\$ 1,566,047	\$ 1,116,567	\$ -	71.30%
231 Equitable Sharing Program	\$ -	\$ 25,000	\$ 25,000	\$ -	\$ 780	0.00%
232 State's Atty Records Automation	\$ 5,580	\$ 75,334	\$ 75,334	\$ 37,093	\$ -	49.24%
234 Drug Asset Forfeiture	\$ -	\$ 50,000	\$ 50,000	\$ -	\$ -	0.00%
235 State's Attorney Employee Events	\$ -	\$ 10	\$ 10	\$ -	\$ -	0.00%
237 Money Laundering - State's Atty	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	0.00%
490 Kane County Law Enforcement	\$ -	\$ 50,000	\$ 50,000	\$ 68,850	\$ -	137.70%
360 Public Defender	\$ 335,948	\$ 4,821,580	\$ 4,821,580	\$ 3,231,170	\$ -	67.01%
001 General Fund	\$ 335,948	\$ 4,820,580	\$ 4,820,580	\$ 3,231,170	\$ -	67.03%
244 Public Defender Rec Automation	\$ -	\$ 1,000	\$ 1,000	\$ -	\$ -	0.00%
370 Law Library	\$ 18,823	\$ 291,071	\$ 228,629	\$ 182,216	\$ -	79.70%
250 Law Library	\$ 18,823	\$ 291,071	\$ 228,629	\$ 182,216	\$ -	79.70%

Kane County Expenditure Report - Summary
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

	Current Month Transactions	Total Amended Budget	Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
380 Sheriff	\$ 3,948,914	\$ 41,699,570	\$ 41,679,570	\$ 29,932,627	\$ 1,465,881	71.82%
001 General Fund	\$ 3,297,843	\$ 39,336,098	\$ 39,336,098	\$ 28,151,043	\$ 315,079	71.57%
128 Sheriff's Vehicle & Equipment	\$ 606,433	\$ 1,364,142	\$ 1,364,142	\$ 1,466,024	\$ 1,108,853	107.47%
247 EMA Volunteer Fund	\$ -	\$ -	\$ -	\$ 1,134	\$ -	N/A
249 Bomb Squad SWAT	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	0.00%
251 Canteen Commission	\$ -	\$ 650,000	\$ 650,000	\$ -	\$ -	0.00%
252 Sheriff DEF Federal - DOJ	\$ -	\$ 10,000	\$ 10,000	\$ 26,925	\$ -	269.25%
253 County Sheriff DEF Local	\$ -	\$ 20,000	\$ 20,000	\$ -	\$ -	0.00%
254 FATS	\$ -	\$ 6,000	\$ 6,000	\$ -	\$ -	0.00%
255 K-9 Unit	\$ -	\$ 30,000	\$ 30,000	\$ -	\$ -	0.00%
256 Vehicle Maintenance/Purchase	\$ -	\$ 1,200	\$ 1,200	\$ -	\$ -	0.00%
257 Sheriff DUI Fund	\$ -	\$ 32,000	\$ 32,000	\$ -	\$ -	0.00%
258 Sheriffs Office Money Laundering	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	0.00%
259 Transportation Safety Highway HB	\$ -	\$ 20,000	\$ -	\$ -	\$ -	N/A
262 AJF Medical Cost	\$ -	\$ 25,040	\$ 25,040	\$ -	\$ -	0.00%
263 Sheriff Civil Operations	\$ -	\$ 20,000	\$ 20,000	\$ -	\$ -	0.00%
264 Cannabis Regulation - Local	\$ 10,393	\$ 90,090	\$ 90,090	\$ 83,271	\$ -	92.43%
265 Sheriff DEF Federal - Treasury	\$ 22,545	\$ 50,000	\$ 50,000	\$ 78,045	\$ 41,948	156.09%
702 Sheriff's Detail Escrow	\$ 11,700	\$ 35,000	\$ 35,000	\$ 126,185	\$ -	360.53%
420 Merit Commission	\$ 5,422	\$ 102,957	\$ 102,957	\$ 57,540	\$ -	55.89%
001 General Fund	\$ 5,422	\$ 102,957	\$ 102,957	\$ 57,540	\$ -	55.89%
425 Kane Comm	\$ 268,484	\$ 2,512,716	\$ 2,510,997	\$ 1,958,958	\$ 40,283	78.02%
269 Kane Comm	\$ 268,484	\$ 2,512,716	\$ 2,510,997	\$ 1,958,958	\$ 40,283	78.02%

Kane County Expenditure Report - Summary
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

	Current Month Transactions	Total Amended Budget	Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
430 Court Services	\$ 1,195,697	\$ 16,715,310	\$ 16,715,210	\$ 11,369,908	\$ (2,527)	68.02%
001 General Fund	\$ 1,109,714	\$ 14,394,893	\$ 14,394,893	\$ 10,185,512	\$ (2,527)	70.76%
270 Probation Services	\$ 63,106	\$ 1,607,100	\$ 1,607,100	\$ 935,325	\$ -	58.20%
271 Substance Abuse Screening	\$ 3,704	\$ 80,000	\$ 80,000	\$ 29,225	\$ -	36.53%
273 Drug Court Special Resources	\$ 19,173	\$ 622,517	\$ 622,517	\$ 219,606	\$ -	35.28%
276 Probation Victim Services	\$ -	\$ 10,000	\$ 10,000	\$ -	\$ -	0.00%
278 Juvenile Justice Donation Fund	\$ -	\$ 700	\$ 700	\$ 239	\$ -	34.11%
759 Court Svcs Employee Education	\$ -	\$ 100	\$ -	\$ -	\$ -	N/A
490 Coroner	\$ 153,941	\$ 1,720,223	\$ 1,720,213	\$ 1,230,316	\$ 48,164	71.52%
001 General Fund	\$ 144,737	\$ 1,515,405	\$ 1,515,405	\$ 1,151,804	\$ -	76.01%
289 Coroner Administration	\$ 9,204	\$ 204,808	\$ 204,808	\$ 78,512	\$ 48,164	38.33%
701 Elder Fatality Review Team	\$ -	\$ 10	\$ -	\$ -	\$ -	N/A
500 Animal Control	\$ 122,440	\$ 1,029,940	\$ 1,029,940	\$ 790,961	\$ 19,380	76.80%
290 Animal Control	\$ 122,440	\$ 1,029,940	\$ 1,029,940	\$ 790,961	\$ 19,380	76.80%
510 Emergency Management Services	\$ 29,559	\$ 742,805	\$ 742,255	\$ 287,308	\$ 5,304	38.71%
001 General Fund	\$ 28,934	\$ 735,605	\$ 735,605	\$ 285,506	\$ 5,304	38.81%
247 EMA Volunteer Fund	\$ 625	\$ 3,200	\$ 2,800	\$ 723	\$ -	25.82%
248 KC Emergency Planning	\$ -	\$ 4,000	\$ 3,850	\$ 1,080	\$ -	28.04%
520 Transportation	\$ 11,406,060	\$ 136,604,243	\$ 136,604,243	\$ 34,525,697	\$ 113,960,245	25.27%
300 County Highway	\$ 833,487	\$ 9,817,609	\$ 9,817,609	\$ 4,938,759	\$ 2,453,920	50.31%
301 County Bridge	\$ 19,954	\$ 331,195	\$ 331,195	\$ 316,748	\$ 167,565	95.64%
302 Motor Fuel Tax	\$ 2,725,090	\$ 38,280,439	\$ 38,280,439	\$ 10,593,403	\$ 31,700,772	27.67%
303 County Highway Matching	\$ -	\$ 88,248	\$ 88,248	\$ 81,850	\$ -	92.75%
304 Motor Fuel Local Option	\$ 908,912	\$ 13,180,000	\$ 13,180,000	\$ 4,030,386	\$ 13,054,790	30.58%
305 Transportation Sales Tax	\$ 5,493,451	\$ 45,400,565	\$ 45,400,565	\$ 11,316,921	\$ 59,971,400	24.93%
515 Longmeadow Bond Construction	\$ -	\$ 18,302,263	\$ 18,302,263	\$ -	\$ -	0.00%
540 Transportation Capital	\$ 200,000	\$ 209,000	\$ 209,000	\$ 208,310	\$ 23,013	99.67%
550 Aurora Area Impact Fees	\$ -	\$ 250	\$ 250	\$ -	\$ -	0.00%
551 Campton Hills Impact Fees	\$ -	\$ 250	\$ 250	\$ -	\$ -	0.00%
552 Greater Elgin Impact Fees	\$ -	\$ 427,117	\$ 427,117	\$ 130,016	\$ 88,539	30.44%
553 Northwest Impact Fees	\$ -	\$ 345,000	\$ 345,000	\$ -	\$ -	0.00%
554 Southwest Impact Fees	\$ -	\$ 113,270	\$ 113,270	\$ -	\$ -	0.00%
555 Tri-Cities Impact Fees	\$ -	\$ 4,600	\$ 4,600	\$ -	\$ -	0.00%
556 Upper Fox Impact Fees	\$ -	\$ 251,000	\$ 251,000	\$ -	\$ 133,282	0.00%
557 West Central Impact Fees	\$ -	\$ 41,400	\$ 41,400	\$ -	\$ -	0.00%
558 North Impact Fees	\$ 1,221,361	\$ 3,060,000	\$ 3,060,000	\$ 2,876,404	\$ 1,295,602	94.00%
559 Central Impact Fees	\$ -	\$ 2,381,000	\$ 2,381,000	\$ 8,777	\$ 5,110	0.37%
560 South Impact Fees	\$ 3,805	\$ 4,371,037	\$ 4,371,037	\$ 24,125	\$ 5,066,254	0.55%

Kane County Expenditure Report - Summary
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

	Current Month Transactions	Total Amended Budget	Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
580 Health	\$ 903,477	\$ 11,479,430	\$ 11,479,430	\$ 6,271,946	\$ 498,155	54.64%
350 County Health	\$ 881,229	\$ 10,893,346	\$ 10,893,346	\$ 6,164,280	\$ 473,568	56.59%
351 Kane Kares	\$ 22,248	\$ 586,084	\$ 586,084	\$ 107,666	\$ 24,587	18.37%
660 Veterans' Commission	\$ 52,610	\$ 573,999	\$ 573,999	\$ 341,207	\$ -	59.44%
380 Veterans' Commission	\$ 52,610	\$ 573,999	\$ 573,999	\$ 341,207	\$ -	59.44%
670 Environmental Management	\$ 66,291	\$ 1,348,482	\$ 1,195,923	\$ 702,665	\$ 13,498	58.76%
001 General Fund	\$ 40,926	\$ 632,710	\$ 632,710	\$ 427,227	\$ 64	67.52%
420 Stormwater Management	\$ 1,348	\$ 236,661	\$ 236,661	\$ 74,545	\$ -	31.50%
421 Elec Agg Civic Contribution	\$ 1,307	\$ 254,648	\$ 102,089	\$ 54,400	\$ -	53.29%
650 Enterprise Surcharge	\$ 22,710	\$ 223,463	\$ 223,463	\$ 146,494	\$ 13,434	65.56%
751 Subdivision Review Escrow	\$ -	\$ 1,000	\$ 1,000	\$ -	\$ -	0.00%
690 Development	\$ 723,190	\$ 17,499,200	\$ 12,839,248	\$ 8,652,598	\$ 221,376	67.39%
001 General Fund	\$ 104,611	\$ 1,339,428	\$ 1,339,428	\$ 923,504	\$ -	68.95%
400 Economic Development	\$ 14,768	\$ 357,084	\$ 357,084	\$ 156,480	\$ -	43.82%
401 Community Dev Block Program	\$ 409,250	\$ 2,022,761	\$ 2,022,761	\$ 1,815,835	\$ 102	89.77%
402 HOME Program	\$ 7,435	\$ 1,264,538	\$ 1,264,538	\$ 1,462,737	\$ 60	115.67%
403 Unincorporated Stormwater Mgmt	\$ -	\$ 55,000	\$ 55,000	\$ -	\$ -	0.00%
404 Homeless Management Info Systems	\$ 9,688	\$ 227,366	\$ 227,366	\$ 136,172	\$ 42	59.89%
405 Cost Share Drainage	\$ 23,600	\$ 189,403	\$ 189,403	\$ 78,333	\$ 70,606	41.36%
406 OCR & Recovery Act Programs	\$ 54	\$ 55,552	\$ 55,552	\$ 1,489	\$ -	2.68%
407 Quality of Kane Grants	\$ -	\$ 30,110	\$ 30,110	\$ -	\$ -	0.00%
409 Continuum of Care Planning Grant	\$ 7,288	\$ 87,429	\$ 87,429	\$ 62,412	\$ 32	71.39%
410 Elgin CDBG	\$ 5,119	\$ 959,568	\$ 959,568	\$ 401,927	\$ 28	41.89%
412 Emergency Rental Assistance #2	\$ 22,373	\$ 7,935,693	\$ 3,275,746	\$ 2,435,640	\$ 28	74.35%
413 CDBG-CV	\$ 1,354	\$ 551,800	\$ 551,800	\$ 484,629	\$ 7	87.83%
414 Home - ARP	\$ 28,316	\$ 853,213	\$ 853,213	\$ 76,737	\$ 4	8.99%
415 Homeless Prevention Program	\$ -	\$ 246,230	\$ 246,230	\$ 180,055	\$ -	73.12%
425 Blighted Structure Demolition	\$ 19,750	\$ 120,000	\$ 120,000	\$ 22,864	\$ -	19.05%
435 Growing for Kane	\$ 5,179	\$ 177,140	\$ 177,140	\$ 16,572	\$ -	9.36%
520 Mill Creek Special Service Area	\$ 63,678	\$ 1,009,409	\$ 1,009,409	\$ 396,486	\$ 150,466	39.28%
521 Bowes Creek Special Service Area	\$ -	\$ 5	\$ -	\$ -	\$ -	N/A
5302 Shirewood Farm SSA SW39	\$ -	\$ 110	\$ 110	\$ -	\$ -	0.00%
5304 Wildwood West SBA SW41	\$ 725	\$ 665	\$ 665	\$ 725	\$ -	109.02%
5306 Cheval DeSelle Venetian SBA SW43	\$ -	\$ 2,200	\$ 2,200	\$ -	\$ -	0.00%
5308 Plank Road Estates SBA SW45	\$ -	\$ 1,575	\$ 1,575	\$ -	\$ -	0.00%
5310 Exposition View SBA SW47	\$ -	\$ 500	\$ 500	\$ -	\$ -	0.00%
5311 Pasadena Drive SBA SW48	\$ -	\$ 3,872	\$ 3,872	\$ -	\$ -	0.00%
5312 Tamara Dittman SBA SW 50	\$ -	\$ 1,215	\$ 1,215	\$ -	\$ -	0.00%
5313 Church Molitor SSA SA 52	\$ -	\$ 3,334	\$ 3,334	\$ -	\$ -	0.00%
5314 45W185 Plank Road SSA SW 54	\$ -	\$ 4,000	\$ 4,000	\$ -	\$ -	0.00%

Kane County Expenditure Report - Summary
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 08/19/2023)

	Current Month Transactions	Total Amended Budget	Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
760 Debt Service	\$ -	\$ 23,302,637	\$ 23,274,694	\$ 3,257,282	\$ -	13.99%
601 Public Building Commission	\$ -	\$ 11,240	\$ -	\$ -	\$ -	N/A
610 Capital Improvement Debt Service	\$ -	\$ 202,202	\$ 202,202	\$ 202,202	\$ -	100.00%
620 Motor Fuel Tax Debt Service	\$ -	\$ 3,000	\$ -	\$ -	\$ -	N/A
621 Transit Sales Tax Debt Service	\$ -	\$ 1,750	\$ -	\$ -	\$ -	N/A
622 Recovery Zone Bond Debt Service	\$ -	\$ 135,187	\$ 123,234	\$ 123,234	\$ -	100.00%
623 JJC/AJC Refunding Debt Service	\$ -	\$ 3,076,121	\$ 3,076,121	\$ 2,931,846	\$ -	95.31%
624 Longmeadow Debt Service	\$ -	\$ 19,818,969	\$ 19,818,969	\$ -	\$ -	0.00%
625 Longmeadow Debt Srv - Cap Int	\$ -	\$ 54,168	\$ 54,168	\$ -	\$ -	0.00%
800 Other- Countywide Expenses	\$ 11,332,760	\$ 121,611,167	\$ 120,625,780	\$ 73,944,878	\$ 6,967,811	61.30%
001 General Fund	\$ 158,611	\$ 8,830,075	\$ 8,830,075	\$ 7,784,344	\$ 222,110	88.16%
100 County Automation	\$ -	\$ 7,475	\$ 7,475	\$ -	\$ -	0.00%
110 Illinois Municipal Retirement	\$ 402,126	\$ 5,479,925	\$ 5,479,925	\$ 3,976,705	\$ -	72.57%
111 FICA/Social Security	\$ 387,975	\$ 5,212,071	\$ 5,212,071	\$ 3,619,235	\$ -	69.44%
112 Special Reserve	\$ -	\$ 296,508	\$ -	\$ 33,908	\$ -	N/A
113 Emergency Reserve	\$ -	\$ 52,770	\$ 33,908	\$ -	\$ -	0.00%
114 Property Tax Freeze Protection	\$ -	\$ 5,049,890	\$ 5,009,776	\$ 5,009,776	\$ -	100.00%
125 Public Safety Sales Tax	\$ 173,995	\$ 2,042,600	\$ 2,042,600	\$ 1,307,093	\$ 411,682	63.99%
127 Judicial Technology Sales Tax	\$ 147,651	\$ 1,520,289	\$ 1,496,236	\$ 1,112,955	\$ 24,668	74.38%
355 American Rescue Plan	\$ 518,650	\$ 26,793,023	\$ 26,793,023	\$ 10,101,482	\$ -	37.70%
356 ARP Recoupment of Lost Revenue	\$ -	\$ 10	\$ -	\$ 2,907,342	\$ -	N/A
357 COVID Payroll Reimbursement	\$ 7,391,419	\$ 18,619,886	\$ 18,619,886	\$ 18,619,886	\$ -	100.00%
358 FEMA PA Administration	\$ -	\$ 250,000	\$ 250,000	\$ 103,336	\$ -	41.33%
500 Capital Projects	\$ 244,795	\$ 18,470,510	\$ 18,470,510	\$ 3,599,048	\$ 6,173,199	19.49%
501 Judicial Facility Construction	\$ 203,196	\$ 4,191,992	\$ 3,586,992	\$ 2,889,724	\$ 136,152	80.56%
510 Capital Improvement Bond Const	\$ -	\$ 840	\$ -	\$ -	\$ -	N/A
652 Health Insurance Fund	\$ 1,704,341	\$ 24,793,303	\$ 24,793,303	\$ 12,880,044	\$ -	51.95%
900 Contingency	\$ -	\$ 4,491,069	\$ 4,457,269	\$ -	\$ -	0.00%
001 General Fund	\$ -	\$ 4,457,269	\$ 4,457,269	\$ -	\$ -	0.00%
660 Working Cash	\$ -	\$ 33,800	\$ -	\$ -	\$ -	N/A
Grand Total	\$ 34,113,938	\$ 463,565,984	\$ 456,061,170	\$ 219,098,277	\$ 124,048,256	48.04%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended Budget excluding Addition to	Fund Balance	YTD Actual	YTD	Total % Used
	Transactions	Budget			Transactions	Encumbrances	
010 County Board	\$ 236,017	\$ 13,212,631	\$ 12,208,906	\$ 4,723,386	\$ 13,190	\$ 38.69%	
001 General Fund	\$ 170,490	\$ 1,450,757	\$ 1,450,757	\$ 1,090,279	\$ -	75.15%	
Personnel Services- Salaries & Wages	\$ 77,214	\$ 1,002,558	\$ 1,002,558	\$ 733,771	\$ -	73.19%	
Personnel Services- Employee Benefits	\$ 31,231	\$ 261,524	\$ 261,524	\$ 259,216	\$ -	99.12%	
Contractual Services	\$ 61,803	\$ 175,575	\$ 175,575	\$ 87,319	\$ -	49.73%	
Commodities	\$ 242	\$ 11,100	\$ 11,100	\$ 9,973	\$ -	89.84%	
120 Grand Victoria Casino Elgin	\$ 40,088	\$ 5,488,673	\$ 4,484,948	\$ 3,493,021	\$ 49	77.88%	
Personnel Services- Salaries & Wages	\$ 2,001	\$ 47,647	\$ 47,647	\$ 36,561	\$ -	76.73%	
Personnel Services- Employee Benefits	\$ 1,253	\$ 64,766	\$ 64,766	\$ 25,036	\$ -	38.66%	
Contractual Services	\$ 36,638	\$ 1,689,107	\$ 1,689,107	\$ 749,367	\$ 49	44.36%	
Commodities	\$ 118	\$ 6,814	\$ 6,814	\$ 6,679	\$ -	98.01%	
Contingency and Other	\$ -	\$ 1,003,725	\$ -	\$ -	\$ -	N/A	
Transfers Out	\$ 78	\$ 2,676,614	\$ 2,676,614	\$ 2,675,380	\$ -	99.95%	
430 Farmland Preservation	\$ 25,439	\$ 6,273,201	\$ 6,273,201	\$ 140,086	\$ 13,141	2.23%	
Personnel Services- Salaries & Wages	\$ 9,027	\$ 92,079	\$ 92,079	\$ 36,106	\$ -	39.21%	
Personnel Services- Employee Benefits	\$ 896	\$ 13,614	\$ 13,614	\$ 4,639	\$ -	34.07%	
Contractual Services	\$ 15,517	\$ 400,771	\$ 400,771	\$ 45,700	\$ 13,141	11.40%	
Capital	\$ -	\$ 5,713,096	\$ 5,713,096	\$ -	\$ -	0.00%	
Transfers Out	\$ -	\$ 53,641	\$ 53,641	\$ 53,641	\$ -	100.00%	
040 Finance	\$ 90,600	\$ 1,570,239	\$ 1,570,239	\$ 980,993	\$ 41,890	62.47%	
001 General Fund	\$ 90,600	\$ 1,570,239	\$ 1,570,239	\$ 980,993	\$ 41,890	62.47%	
Personnel Services- Salaries & Wages	\$ 67,637	\$ 1,093,215	\$ 1,093,215	\$ 690,673	\$ -	63.18%	
Personnel Services- Employee Benefits	\$ 14,588	\$ 293,573	\$ 293,573	\$ 147,043	\$ -	50.09%	
Contractual Services	\$ 8,096	\$ 177,907	\$ 177,907	\$ 139,557	\$ 41,665	78.44%	
Commodities	\$ 279	\$ 5,544	\$ 5,544	\$ 3,720	\$ 225	67.09%	

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
060 Information Technologies	\$ 500,450	\$ 7,339,264	\$ 7,339,264	\$ 4,384,094	\$ 166,991	59.73%
001 General Fund	\$ 351,141	\$ 5,114,094	\$ 5,114,094	\$ 2,860,476	\$ 33,464	55.93%
Personnel Services- Salaries & Wages	\$ 232,994	\$ 3,252,646	\$ 3,252,646	\$ 2,169,357	\$ -	66.70%
Personnel Services- Employee Benefits	\$ 49,846	\$ 740,409	\$ 740,409	\$ 438,505	\$ -	59.22%
Contractual Services	\$ 59,516	\$ 1,000,089	\$ 1,000,089	\$ 198,712	\$ 16,168	19.87%
Commodities	\$ 8,785	\$ 120,950	\$ 120,950	\$ 53,902	\$ 17,295	44.57%
101 Geographic Information Systems	\$ 116,700	\$ 1,921,160	\$ 1,921,160	\$ 1,236,639	\$ 86,960	64.37%
Personnel Services- Salaries & Wages	\$ 57,137	\$ 800,756	\$ 800,756	\$ 525,080	\$ -	65.57%
Personnel Services- Employee Benefits	\$ 17,925	\$ 262,802	\$ 262,802	\$ 170,348	\$ -	64.82%
Contractual Services	\$ 41,351	\$ 685,514	\$ 685,514	\$ 486,963	\$ 86,960	71.04%
Commodities	\$ 287	\$ 39,200	\$ 39,200	\$ 7,732	\$ -	19.73%
Capital	\$ -	\$ 99,272	\$ 99,272	\$ 12,899	\$ -	12.99%
Transfers Out	\$ -	\$ 33,616	\$ 33,616	\$ 33,616	\$ -	100.00%
354 Mass Vaccination Fund	\$ -	\$ 2,510	\$ 2,510	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 1,770	\$ 1,770	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 740	\$ 740	\$ -	\$ -	0.00%
385 IL Counties Information Mgmt	\$ 24	\$ 4,000	\$ 4,000	\$ 651	\$ -	16.27%
Contractual Services	\$ 24	\$ 4,000	\$ 4,000	\$ 651	\$ -	16.27%
390 Web Technical Services	\$ 32,585	\$ 297,500	\$ 297,500	\$ 286,328	\$ 46,567	96.24%
Contractual Services	\$ 32,585	\$ 297,500	\$ 297,500	\$ 286,328	\$ 46,567	96.24%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended	YTD Actual	YTD	Total % Used
	Transactions	Budget	Fund Balance	Transactions	Encumbrances	
			Addition to			
080 Building Management	\$ 818,227	\$ 9,056,947	\$ 9,056,947	\$ 5,342,498	\$ 531,201	58.99%
001 General Fund	\$ 818,227	\$ 9,036,772	\$ 9,036,772	\$ 5,338,658	\$ 531,201	59.08%
Personnel Services- Salaries & Wages	\$ 171,242	\$ 2,022,712	\$ 2,022,712	\$ 1,277,689	\$ -	63.17%
Personnel Services- Employee Benefits	\$ 34,448	\$ 542,085	\$ 542,085	\$ 259,201	\$ -	47.82%
Contractual Services	\$ 373,685	\$ 2,848,097	\$ 2,848,097	\$ 2,563,249	\$ 531,201	90.00%
Commodities	\$ 238,852	\$ 3,623,878	\$ 3,623,878	\$ 1,238,519	\$ 0	34.18%
354 Mass Vaccination Fund	\$ -	\$ 20,175	\$ 20,175	\$ 3,840	\$ -	19.03%
Contractual Services	\$ -	\$ 11,842	\$ 11,842	\$ 3,840	\$ -	32.43%
Commodities	\$ -	\$ 8,333	\$ 8,333	\$ -	\$ -	0.00%
120 Human Resource Management	\$ (843,620)	\$ 4,682,060	\$ 4,682,060	\$ 3,265,739	\$ 22,659	69.75%
001 General Fund	\$ 21,228	\$ 356,263	\$ 356,263	\$ 194,169	\$ -	54.50%
Personnel Services- Salaries & Wages	\$ 15,611	\$ 219,656	\$ 219,656	\$ 144,753	\$ -	65.90%
Personnel Services- Employee Benefits	\$ 4,195	\$ 50,057	\$ 50,057	\$ 37,663	\$ -	75.24%
Contractual Services	\$ 1,290	\$ 79,050	\$ 79,050	\$ 10,016	\$ -	12.67%
Commodities	\$ 132	\$ 7,500	\$ 7,500	\$ 1,737	\$ -	23.16%
010 Insurance Liability	\$ (864,848)	\$ 4,324,813	\$ 4,324,813	\$ 3,071,569	\$ 22,659	71.02%
Personnel Services- Salaries & Wages	\$ 11,878	\$ 143,005	\$ 143,005	\$ 112,836	\$ -	78.90%
Personnel Services- Employee Benefits	\$ 3,084	\$ 34,718	\$ 34,718	\$ 29,840	\$ -	85.95%
Contractual Services	\$ (879,810)	\$ 4,143,012	\$ 4,143,012	\$ 2,924,815	\$ -	70.60%
Capital	\$ -	\$ -	\$ -	\$ -	\$ 22,659	N/A
Transfers Out	\$ -	\$ 4,078	\$ 4,078	\$ 4,078	\$ -	100.00%
246 Employee Events Fund	\$ -	\$ 984	\$ 984	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 984	\$ 984	\$ -	\$ -	0.00%
140 County Auditor	\$ 20,817	\$ 302,548	\$ 302,548	\$ 199,309	\$ -	65.88%
001 General Fund	\$ 20,817	\$ 302,548	\$ 302,548	\$ 199,309	\$ -	65.88%
Personnel Services- Salaries & Wages	\$ 18,814	\$ 247,841	\$ 247,841	\$ 177,116	\$ -	71.46%
Personnel Services- Employee Benefits	\$ 1,906	\$ 29,635	\$ 29,635	\$ 15,709	\$ -	53.01%
Contractual Services	\$ 70	\$ 23,822	\$ 23,822	\$ 6,212	\$ -	26.08%
Commodities	\$ 27	\$ 1,250	\$ 1,250	\$ 273	\$ -	21.81%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
150 Treasurer/Collector	\$ 84,982	\$ 1,064,403	\$ 1,064,403	\$ 680,661	\$ 1,455	63.95%
001 General Fund	\$ 79,152	\$ 890,829	\$ 890,829	\$ 650,802	\$ 1,455	73.06%
Personnel Services- Salaries & Wages	\$ 51,958	\$ 681,681	\$ 681,681	\$ 532,453	\$ -	78.11%
Personnel Services- Employee Benefits	\$ 8,228	\$ 146,668	\$ 146,668	\$ 82,693	\$ -	56.38%
Contractual Services	\$ 83	\$ 53,780	\$ 53,780	\$ 9,975	\$ -	18.55%
Commodities	\$ 1,052	\$ 8,700	\$ 8,700	\$ 7,850	\$ 1,455	90.23%
Capital	\$ 17,831	\$ -	\$ -	\$ 17,831	\$ -	N/A
150 Tax Sale Automation	\$ 5,831	\$ 152,574	\$ 152,574	\$ 29,859	\$ -	19.57%
Personnel Services- Salaries & Wages	\$ 3,732	\$ 35,009	\$ 35,009	\$ 21,265	\$ -	60.74%
Personnel Services- Employee Benefits	\$ 286	\$ 2,680	\$ 2,680	\$ 1,627	\$ -	60.70%
Contractual Services	\$ 1,813	\$ 67,015	\$ 67,015	\$ 2,598	\$ -	3.88%
Commodities	\$ -	\$ 10,000	\$ 10,000	\$ -	\$ -	0.00%
Capital	\$ -	\$ 33,500	\$ 33,500	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 4,370	\$ 4,370	\$ 4,370	\$ -	100.00%
268 Sale & Error	\$ -	\$ 21,000	\$ 21,000	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 21,000	\$ 21,000	\$ -	\$ -	0.00%
170 Supervisor of Assessments	\$ 98,261	\$ 1,426,886	\$ 1,426,886	\$ 901,705	\$ 1,859	63.19%
001 General Fund	\$ 98,261	\$ 1,426,886	\$ 1,426,886	\$ 901,705	\$ 1,859	63.19%
Personnel Services- Salaries & Wages	\$ 70,291	\$ 917,817	\$ 917,817	\$ 621,473	\$ -	67.71%
Personnel Services- Employee Benefits	\$ 21,239	\$ 260,969	\$ 260,969	\$ 177,781	\$ -	68.12%
Contractual Services	\$ 3,802	\$ 227,700	\$ 227,700	\$ 87,443	\$ 2,351	38.40%
Commodities	\$ 2,929	\$ 20,400	\$ 20,400	\$ 15,008	\$ (492)	73.57%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
190 County Clerk	\$ 210,929	\$ 5,691,699	\$ 5,543,366	\$ 2,532,198	\$ 19,004	45.68%
001 General Fund	\$ 198,856	\$ 4,594,475	\$ 4,594,475	\$ 2,450,457	\$ 19,004	53.33%
Personnel Services- Salaries & Wages	\$ 145,047	\$ 2,582,762	\$ 2,582,762	\$ 1,725,090	\$ -	66.79%
Personnel Services- Employee Benefits	\$ 23,823	\$ 310,597	\$ 310,597	\$ 227,944	\$ -	73.39%
Contractual Services	\$ 23,653	\$ 1,100,116	\$ 1,100,116	\$ 399,850	\$ -	36.35%
Commodities	\$ 6,334	\$ 601,000	\$ 601,000	\$ 97,572	\$ 19,004	16.24%
160 Vital Records Automation	\$ 12,072	\$ 247,224	\$ 98,891	\$ 81,741	\$ -	82.66%
Personnel Services- Salaries & Wages	\$ 3,144	\$ 15,267	\$ 15,267	\$ 31,650	\$ -	207.31%
Personnel Services- Employee Benefits	\$ 405	\$ 6,345	\$ 6,345	\$ 4,766	\$ -	75.12%
Contractual Services	\$ 792	\$ 30,792	\$ 30,792	\$ 12,883	\$ -	41.84%
Commodities	\$ -	\$ 6,045	\$ 6,045	\$ -	\$ -	0.00%
Contingency and Other	\$ -	\$ 148,333	\$ -	\$ -	\$ -	N/A
Capital	\$ 7,732	\$ 38,927	\$ 38,927	\$ 30,927	\$ -	79.45%
Transfers Out	\$ -	\$ 1,515	\$ 1,515	\$ 1,515	\$ -	100.00%
161 Election Equipment Fund	\$ -	\$ 850,000	\$ 850,000	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 850,000	\$ 850,000	\$ -	\$ -	0.00%
210 Recorder	\$ 128,074	\$ 2,117,814	\$ 2,117,814	\$ 1,183,070	\$ -	55.86%
001 General Fund	\$ 56,053	\$ 893,038	\$ 893,038	\$ 527,629	\$ -	59.08%
Personnel Services- Salaries & Wages	\$ 45,261	\$ 714,953	\$ 714,953	\$ 429,845	\$ -	60.12%
Personnel Services- Employee Benefits	\$ 10,702	\$ 173,965	\$ 173,965	\$ 95,942	\$ -	55.15%
Contractual Services	\$ 37	\$ 2,050	\$ 2,050	\$ 1,248	\$ -	60.88%
Commodities	\$ 52	\$ 2,070	\$ 2,070	\$ 594	\$ -	28.71%
170 Recorder's Automation	\$ 72,021	\$ 1,224,776	\$ 1,224,776	\$ 655,441	\$ -	53.52%
Personnel Services- Salaries & Wages	\$ 8,533	\$ 234,212	\$ 234,212	\$ 81,026	\$ -	34.60%
Personnel Services- Employee Benefits	\$ 2,148	\$ 88,549	\$ 88,549	\$ 19,903	\$ -	22.48%
Contractual Services	\$ 12,143	\$ 522,783	\$ 522,783	\$ 398,047	\$ -	76.14%
Commodities	\$ 2,892	\$ 204,232	\$ 204,232	\$ 17,553	\$ -	8.59%
Capital	\$ 46,304	\$ 175,000	\$ 175,000	\$ 138,912	\$ -	79.38%
230 Regional Office of Education	\$ 40,273	\$ 471,354	\$ 471,354	\$ 327,049	\$ -	69.39%
001 General Fund	\$ 40,273	\$ 471,354	\$ 471,354	\$ 327,049	\$ -	69.39%
Personnel Services- Salaries & Wages	\$ 33,720	\$ 327,763	\$ 327,763	\$ 268,270	\$ -	81.85%
Personnel Services- Employee Benefits	\$ 6,553	\$ 139,016	\$ 139,016	\$ 58,779	\$ -	42.28%
Contractual Services	\$ -	\$ 4,575	\$ 4,575	\$ -	\$ -	0.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
240 Judiciary and Courts	\$ 280,283	\$ 4,433,992	\$ 4,426,642	\$ 2,817,132	\$ -	63.64%
001 General Fund	\$ 267,247	\$ 4,212,154	\$ 4,212,154	\$ 2,688,883	\$ -	63.84%
Personnel Services- Salaries & Wages	\$ 129,424	\$ 1,890,808	\$ 1,890,808	\$ 1,283,372	\$ -	67.87%
Personnel Services- Employee Benefits	\$ 29,802	\$ 555,096	\$ 555,096	\$ 296,138	\$ -	53.35%
Contractual Services	\$ 106,330	\$ 1,689,000	\$ 1,689,000	\$ 1,036,751	\$ -	61.38%
Commodities	\$ 1,691	\$ 77,250	\$ 77,250	\$ 72,622	\$ -	94.01%
195 Children's Waiting Room	\$ 13,036	\$ 144,755	\$ 144,755	\$ 125,337	\$ -	86.59%
Contractual Services	\$ 13,036	\$ 132,755	\$ 132,755	\$ 113,337	\$ -	85.37%
Transfers Out	\$ -	\$ 12,000	\$ 12,000	\$ 12,000	\$ -	100.00%
196 D.U.I.	\$ -	\$ 12,580	\$ 5,230	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 5,230	\$ 5,230	\$ -	\$ -	0.00%
Contingency and Other	\$ -	\$ 7,350	\$ -	\$ -	\$ -	N/A
197 Foreclosure Mediation Fund	\$ -	\$ 61,503	\$ 61,503	\$ 2,913	\$ -	4.74%
Contractual Services	\$ -	\$ 56,590	\$ 56,590	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 2,000	\$ 2,000	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 2,913	\$ 2,913	\$ 2,913	\$ -	100.00%
492 Marriage Fees	\$ -	\$ 3,000	\$ 3,000	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 3,000	\$ 3,000	\$ -	\$ -	0.00%
250 Circuit Clerk	\$ 556,185	\$ 8,935,036	\$ 8,733,185	\$ 4,401,865	\$ -	50.40%
001 General Fund	\$ 389,776	\$ 6,172,640	\$ 6,172,640	\$ 3,252,307	\$ -	52.69%
Personnel Services- Salaries & Wages	\$ 303,107	\$ 4,116,435	\$ 4,116,435	\$ 2,541,648	\$ -	61.74%
Personnel Services- Employee Benefits	\$ 76,064	\$ 1,349,326	\$ 1,349,326	\$ 642,677	\$ -	47.63%
Contractual Services	\$ 3,268	\$ 470,565	\$ 470,565	\$ 32,526	\$ -	6.91%
Commodities	\$ 7,337	\$ 154,084	\$ 154,084	\$ 35,457	\$ -	23.01%
Capital	\$ -	\$ 82,230	\$ 82,230	\$ -	\$ -	0.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
200 Court Automation	\$ 53,500	\$ 1,028,542	\$ 1,028,542	\$ 339,547	\$ -	33.01%
Personnel Services- Salaries & Wages	\$ 20,745	\$ 469,794	\$ 469,794	\$ 202,439	\$ -	43.09%
Personnel Services- Employee Benefits	\$ 8,360	\$ 270,021	\$ 270,021	\$ 83,403	\$ -	30.89%
Contractual Services	\$ 24,396	\$ 161,673	\$ 161,673	\$ 51,782	\$ -	32.03%
Commodities	\$ -	\$ 3,750	\$ 3,750	\$ 1,923	\$ -	51.28%
Capital	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 23,304	\$ 23,304	\$ -	\$ -	0.00%
201 Court Document Storage	\$ 53,183	\$ 825,050	\$ 721,711	\$ 375,538	\$ -	52.03%
Personnel Services- Salaries & Wages	\$ 23,747	\$ 317,369	\$ 317,369	\$ 238,301	\$ -	75.09%
Personnel Services- Employee Benefits	\$ 12,210	\$ 130,713	\$ 130,713	\$ 102,139	\$ -	78.14%
Contractual Services	\$ 17,226	\$ 222,260	\$ 222,260	\$ 27,546	\$ -	12.39%
Commodities	\$ -	\$ 6,000	\$ 6,000	\$ 51	\$ -	0.85%
Contingency and Other	\$ -	\$ 103,339	\$ -	\$ -	\$ -	N/A
Capital	\$ -	\$ 7,500	\$ 7,500	\$ 7,500	\$ -	100.00%
Transfers Out	\$ -	\$ 37,869	\$ 37,869	\$ -	\$ -	0.00%
202 Child Support	\$ 8,850	\$ 182,195	\$ 182,195	\$ 84,121	\$ -	46.17%
Personnel Services- Salaries & Wages	\$ 2,723	\$ 113,045	\$ 113,045	\$ 64,537	\$ -	57.09%
Personnel Services- Employee Benefits	\$ 348	\$ 44,819	\$ 44,819	\$ 13,805	\$ -	30.80%
Contractual Services	\$ 5,779	\$ 12,379	\$ 12,379	\$ 5,779	\$ -	46.68%
Commodities	\$ -	\$ 300	\$ 300	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 11,652	\$ 11,652	\$ -	\$ -	0.00%
203 Circuit Clerk Admin Services	\$ 32,794	\$ 406,825	\$ 373,813	\$ 191,219	\$ -	51.15%
Personnel Services- Salaries & Wages	\$ 15,814	\$ 236,292	\$ 236,292	\$ 148,169	\$ -	62.71%
Personnel Services- Employee Benefits	\$ 2,612	\$ 59,194	\$ 59,194	\$ 24,058	\$ -	40.64%
Contractual Services	\$ 14,368	\$ 33,312	\$ 33,312	\$ 17,625	\$ -	52.91%
Commodities	\$ -	\$ 30,450	\$ 30,450	\$ 1,367	\$ -	4.49%
Contingency and Other	\$ -	\$ 33,012	\$ -	\$ -	\$ -	N/A
Transfers Out	\$ -	\$ 14,565	\$ 14,565	\$ -	\$ -	0.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
204 Circuit Clk Electronic Citation	\$ 18,082	\$ 244,284	\$ 244,284	\$ 159,133	\$ -	65.14%
Personnel Services- Salaries & Wages	\$ 7,602	\$ 147,706	\$ 147,706	\$ 99,223	\$ -	67.18%
Personnel Services- Employee Benefits	\$ 2,818	\$ 63,635	\$ 63,635	\$ 46,988	\$ -	73.84%
Contractual Services	\$ 7,654	\$ 21,789	\$ 21,789	\$ 12,447	\$ -	57.13%
Commodities	\$ 8	\$ 2,415	\$ 2,415	\$ 475	\$ -	19.66%
Transfers Out	\$ -	\$ 8,739	\$ 8,739	\$ -	\$ -	0.00%
205 Circuit Ct Clerk Op and Admin	\$ -	\$ 75,500	\$ 10,000	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 10,000	\$ 10,000	\$ -	\$ -	0.00%
Contingency and Other	\$ -	\$ 65,500	\$ -	\$ -	\$ -	N/A
300 State's Attorney	\$ 1,328,845	\$ 16,714,712	\$ 16,515,619	\$ 10,621,300	\$ 12,439	64.31%
001 General Fund	\$ 712,584	\$ 10,532,577	\$ 10,532,577	\$ 6,725,029	\$ 11,659	63.85%
Personnel Services- Salaries & Wages	\$ 544,046	\$ 7,703,204	\$ 7,703,204	\$ 5,280,856	\$ -	68.55%
Personnel Services- Employee Benefits	\$ 101,525	\$ 1,599,258	\$ 1,599,258	\$ 1,008,728	\$ -	63.07%
Contractual Services	\$ 34,352	\$ 529,186	\$ 529,186	\$ 243,346	\$ -	45.99%
Commodities	\$ 32,660	\$ 442,307	\$ 442,307	\$ 180,446	\$ 11,659	40.80%
Transfers Out	\$ -	\$ 258,622	\$ 258,622	\$ 11,652	\$ -	4.51%
010 Insurance Liability	\$ 237,709	\$ 2,401,169	\$ 2,401,169	\$ 1,467,812	\$ -	61.13%
Personnel Services- Salaries & Wages	\$ 97,415	\$ 1,298,543	\$ 1,298,543	\$ 878,385	\$ -	67.64%
Personnel Services- Employee Benefits	\$ 32,398	\$ 473,131	\$ 473,131	\$ 277,908	\$ -	58.74%
Contractual Services	\$ 107,870	\$ 620,695	\$ 620,695	\$ 307,922	\$ -	49.61%
Commodities	\$ 26	\$ 8,800	\$ 8,800	\$ 3,597	\$ -	40.87%
220 Title IV-D	\$ 79,568	\$ 898,804	\$ 898,804	\$ 517,775	\$ -	57.61%
Personnel Services- Salaries & Wages	\$ 39,899	\$ 514,596	\$ 514,596	\$ 365,555	\$ -	71.04%
Personnel Services- Employee Benefits	\$ 12,872	\$ 177,350	\$ 177,350	\$ 123,367	\$ -	69.56%
Contractual Services	\$ 26,797	\$ 198,657	\$ 198,657	\$ 27,217	\$ -	13.70%
Commodities	\$ -	\$ 8,201	\$ 8,201	\$ 1,637	\$ -	19.96%

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Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
221 Drug Prosecution	\$ 52,578	\$ 379,897	\$ 379,897	\$ 320,412	\$ -	84.34%
Personnel Services- Salaries & Wages	\$ 28,462	\$ 265,534	\$ 265,534	\$ 222,251	\$ -	83.70%
Personnel Services- Employee Benefits	\$ 9,462	\$ 94,160	\$ 94,160	\$ 75,321	\$ -	79.99%
Contractual Services	\$ 14,655	\$ 19,356	\$ 19,356	\$ 22,841	\$ -	118.01%
Commodities	\$ -	\$ 847	\$ 847	\$ -	\$ -	0.00%
222 Victim Coordinator Services	\$ 23,434	\$ 161,246	\$ 161,246	\$ 177,363	\$ -	110.00%
Personnel Services- Salaries & Wages	\$ 12,093	\$ 111,080	\$ 111,080	\$ 123,928	\$ -	111.57%
Personnel Services- Employee Benefits	\$ 5,418	\$ 42,423	\$ 42,423	\$ 47,089	\$ -	111.00%
Contractual Services	\$ 5,923	\$ 7,743	\$ 7,743	\$ 6,346	\$ -	81.95%
223 Domestic Violence	\$ 30,598	\$ 356,726	\$ 356,000	\$ 190,398	\$ -	53.48%
Personnel Services- Salaries & Wages	\$ 14,719	\$ 196,101	\$ 196,101	\$ 118,121	\$ -	60.23%
Personnel Services- Employee Benefits	\$ 5,637	\$ 109,994	\$ 109,994	\$ 60,835	\$ -	55.31%
Contractual Services	\$ 10,241	\$ 48,549	\$ 48,549	\$ 11,442	\$ -	23.57%
Commodities	\$ -	\$ 1,356	\$ 1,356	\$ -	\$ -	0.00%
Contingency and Other	\$ -	\$ 726	\$ -	\$ -	\$ -	N/A
226 Weed and Seed	\$ -	\$ 14,535	\$ 14,535	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 1,305	\$ 1,305	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 13,230	\$ 13,230	\$ -	\$ -	0.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended	YTD Actual	YTD	Total % Used
	Transactions	Budget	Budget	Transactions	Encumbrances	
			excl. Addition to			
			Fund Balance			
230 Child Advocacy Center	\$ 186,793	\$ 1,764,414	\$ 1,566,047	\$ 1,116,567	\$ -	71.30%
Personnel Services- Salaries & Wages	\$ 98,815	\$ 1,009,323	\$ 1,009,323	\$ 720,345	\$ -	71.37%
Personnel Services- Employee Benefits	\$ 33,453	\$ 366,997	\$ 366,997	\$ 243,001	\$ -	66.21%
Contractual Services	\$ 54,734	\$ 150,227	\$ 150,227	\$ 110,762	\$ -	73.73%
Commodities	\$ (209)	\$ 39,500	\$ 39,500	\$ 42,459	\$ -	107.49%
Contingency and Other	\$ -	\$ 198,367	\$ -	\$ -	\$ -	N/A
231 Equitable Sharing Program	\$ -	\$ 25,000	\$ 25,000	\$ -	\$ 780	0.00%
Contractual Services	\$ -	\$ 25,000	\$ 25,000	\$ -	\$ -	0.00%
Commodities	\$ -	\$ -	\$ -	\$ -	\$ 780	N/A
232 State's Atty Records Automation	\$ 5,580	\$ 75,334	\$ 75,334	\$ 37,093	\$ -	49.24%
Personnel Services- Salaries & Wages	\$ 2,704	\$ 35,273	\$ 35,273	\$ 25,677	\$ -	72.79%
Personnel Services- Employee Benefits	\$ 1,048	\$ 13,233	\$ 13,233	\$ 9,588	\$ -	72.45%
Contractual Services	\$ 1,828	\$ 1,828	\$ 1,828	\$ 1,828	\$ -	100.00%
Commodities	\$ -	\$ 25,000	\$ 25,000	\$ -	\$ -	0.00%
234 Drug Asset Forfeiture	\$ -	\$ 50,000	\$ 50,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 50,000	\$ 50,000	\$ -	\$ -	0.00%
235 State's Attorney Employee Events	\$ -	\$ 10	\$ 10	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 10	\$ 10	\$ -	\$ -	0.00%
237 Money Laundering - State's Atty	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	0.00%
490 Kane County Law Enforcement	\$ -	\$ 50,000	\$ 50,000	\$ 68,850	\$ -	137.70%
Personnel Services- Salaries & Wages	\$ -	\$ -	\$ -	\$ 3,000	\$ -	N/A
Personnel Services- Employee Benefits	\$ -	\$ -	\$ -	\$ 227	\$ -	N/A
Contractual Services	\$ -	\$ 50,000	\$ 50,000	\$ 65,623	\$ -	131.25%
360 Public Defender	\$ 335,948	\$ 4,821,580	\$ 4,821,580	\$ 3,231,170	\$ -	67.01%
001 General Fund	\$ 335,948	\$ 4,820,580	\$ 4,820,580	\$ 3,231,170	\$ -	67.03%
Personnel Services- Salaries & Wages	\$ 266,098	\$ 3,811,004	\$ 3,811,004	\$ 2,611,361	\$ -	68.52%
Personnel Services- Employee Benefits	\$ 60,338	\$ 824,385	\$ 824,385	\$ 543,078	\$ -	65.88%
Contractual Services	\$ 3,691	\$ 106,737	\$ 106,737	\$ 28,758	\$ -	26.94%
Commodities	\$ 5,821	\$ 78,454	\$ 78,454	\$ 47,974	\$ -	61.15%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
244 Public Defender Rec Automation	\$ -	\$ 1,000	\$ 1,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 1,000	\$ 1,000	\$ -	\$ -	0.00%
370 Law Library	\$ 18,823	\$ 291,071	\$ 228,629	\$ 182,216	\$ -	79.70%
250 Law Library	\$ 18,823	\$ 291,071	\$ 228,629	\$ 182,216	\$ -	79.70%
Personnel Services- Salaries & Wages	\$ 6,944	\$ 90,551	\$ 90,551	\$ 65,966	\$ -	72.85%
Personnel Services- Employee Benefits	\$ 1,801	\$ 30,016	\$ 30,016	\$ 16,689	\$ -	55.60%
Contractual Services	\$ 9,043	\$ 24,433	\$ 24,433	\$ 18,429	\$ -	75.43%
Commodities	\$ 1,035	\$ 77,803	\$ 77,803	\$ 75,165	\$ -	96.61%
Contingency and Other	\$ -	\$ 62,442	\$ -	\$ -	\$ -	N/A
Capital	\$ -	\$ -	\$ -	\$ 141	\$ -	N/A
Transfers Out	\$ -	\$ 5,826	\$ 5,826	\$ 5,826	\$ -	100.00%
380 Sheriff	\$ 3,948,914	\$ 41,699,570	\$ 41,679,570	\$ 29,932,627	\$ 1,465,881	71.82%
001 General Fund	\$ 3,297,843	\$ 39,336,098	\$ 39,336,098	\$ 28,151,043	\$ 315,079	71.57%
Personnel Services- Salaries & Wages	\$ 2,123,818	\$ 27,059,093	\$ 27,059,093	\$ 19,674,413	\$ -	72.71%
Personnel Services- Employee Benefits	\$ 363,568	\$ 5,250,741	\$ 5,250,741	\$ 3,446,124	\$ -	65.63%
Contractual Services	\$ 504,119	\$ 5,088,910	\$ 5,088,910	\$ 3,472,923	\$ 113,384	68.24%
Commodities	\$ 306,339	\$ 1,931,528	\$ 1,931,528	\$ 1,551,756	\$ 15,603	80.34%
Capital	\$ -	\$ -	\$ -	\$ -	\$ 186,093	#DIV/0!
Transfers Out	\$ -	\$ 5,826	\$ 5,826	\$ 5,826	\$ -	100.00%
128 Sheriff's Vehicle & Equipment	\$ 606,433	\$ 1,364,142	\$ 1,364,142	\$ 1,466,024	\$ 1,108,853	107.47%
Contractual Services	\$ -	\$ 148,222	\$ 148,222	\$ 181,177	\$ -	122.23%
Capital	\$ 606,433	\$ 1,215,920	\$ 1,215,920	\$ 1,284,847	\$ 1,108,853	105.67%
247 EMA Volunteer Fund	\$ -	\$ -	\$ -	\$ 1,134	\$ -	N/A
Contractual Services	\$ -	\$ -	\$ -	\$ 1,134	\$ -	N/A

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
249 Bomb Squad SWAT	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 2,500	\$ 2,500	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 2,500	\$ 2,500	\$ -	\$ -	0.00%
251 Canteen Commission	\$ -	\$ 650,000	\$ 650,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 325,000	\$ 325,000	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 325,000	\$ 325,000	\$ -	\$ -	0.00%
252 Sheriff DEF Federal - DOJ	\$ -	\$ 10,000	\$ 10,000	\$ 26,925	\$ -	269.25%
Contractual Services	\$ -	\$ 10,000	\$ 10,000	\$ -	\$ -	0.00%
Commodities	\$ -	\$ -	\$ -	\$ 26,925	\$ -	N/A
253 County Sheriff DEF Local	\$ -	\$ 20,000	\$ 20,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 20,000	\$ 20,000	\$ -	\$ -	0.00%
254 FATS	\$ -	\$ 6,000	\$ 6,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 6,000	\$ 6,000	\$ -	\$ -	0.00%
255 K-9 Unit	\$ -	\$ 30,000	\$ 30,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -	0.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
256 Vehicle Maintenance/Purchase	\$ -	\$ 1,200	\$ 1,200	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 1,200	\$ 1,200	\$ -	\$ -	0.00%
257 Sheriff DUI Fund	\$ -	\$ 32,000	\$ 32,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 22,000	\$ 22,000	\$ -	\$ -	0.00%
Commodities	\$ -	\$ 10,000	\$ 10,000	\$ -	\$ -	0.00%
258 Sheriffs Office Money Laundering	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	0.00%
259 Transportation Safety Highway HB	\$ -	\$ 20,000	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 20,000	\$ -	\$ -	\$ -	N/A
262 AJF Medical Cost	\$ -	\$ 25,040	\$ 25,040	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 25,040	\$ 25,040	\$ -	\$ -	0.00%
263 Sheriff Civil Operations	\$ -	\$ 20,000	\$ 20,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 20,000	\$ 20,000	\$ -	\$ -	0.00%
264 Cannabis Regulation - Local	\$ 10,393	\$ 90,090	\$ 90,090	\$ 83,271	\$ -	92.43%
Contractual Services	\$ -	\$ 45,000	\$ 45,000	\$ 20,999	\$ -	46.66%
Commodities	\$ 10,393	\$ 45,090	\$ 45,090	\$ 62,272	\$ -	138.11%
265 Sheriff DEF Federal - Treasury	\$ 22,545	\$ 50,000	\$ 50,000	\$ 78,045	\$ 41,948	156.09%
Commodities	\$ 22,545	\$ 50,000	\$ 50,000	\$ 78,045	\$ 41,948	156.09%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
702 Sheriff's Detail Escrow	\$ 11,700	\$ 35,000	\$ 35,000	\$ 126,185	\$ -	360.53%
Contractual Services	\$ 11,700	\$ 35,000	\$ 35,000	\$ 126,185	\$ -	360.53%
420 Merit Commission	\$ 5,422	\$ 102,957	\$ 102,957	\$ 57,540	\$ -	55.89%
001 General Fund	\$ 5,422	\$ 102,957	\$ 102,957	\$ 57,540	\$ -	55.89%
Personnel Services- Salaries & Wages	\$ 4,564	\$ 78,597	\$ 78,597	\$ 45,881	\$ -	58.37%
Personnel Services- Employee Benefits	\$ 609	\$ 7,310	\$ 7,310	\$ 5,449	\$ -	74.55%
Contractual Services	\$ 249	\$ 16,550	\$ 16,550	\$ 5,355	\$ -	32.36%
Commodities	\$ -	\$ 500	\$ 500	\$ 855	\$ -	171.03%
425 Kane Comm	\$ 268,484	\$ 2,512,716	\$ 2,510,997	\$ 1,958,958	\$ 40,283	78.02%
269 Kane Comm	\$ 268,484	\$ 2,512,716	\$ 2,510,997	\$ 1,958,958	\$ 40,283	78.02%
Personnel Services- Salaries & Wages	\$ 133,725	\$ 1,653,995	\$ 1,653,995	\$ 1,163,978	\$ -	70.37%
Personnel Services- Employee Benefits	\$ 39,601	\$ 535,793	\$ 535,793	\$ 334,187	\$ -	62.37%
Contractual Services	\$ 94,655	\$ 202,436	\$ 202,436	\$ 343,673	\$ 20,578	169.77%
Commodities	\$ 503	\$ 7,800	\$ 7,800	\$ 6,147	\$ 5,205	78.81%
Contingency and Other	\$ -	\$ 1,719	\$ -	\$ -	\$ -	N/A
Capital	\$ -	\$ -	\$ -	\$ -	\$ 14,500	N/A
Transfers Out	\$ -	\$ 110,973	\$ 110,973	\$ 110,973	\$ -	100.00%
430 Court Services	\$ 1,195,697	\$ 16,715,310	\$ 16,715,210	\$ 11,369,908	\$ (2,527)	68.02%
001 General Fund	\$ 1,109,714	\$ 14,394,893	\$ 14,394,893	\$ 10,185,512	\$ (2,527)	70.76%
Personnel Services- Salaries & Wages	\$ 812,790	\$ 10,499,247	\$ 10,499,247	\$ 7,639,047	\$ -	72.76%
Personnel Services- Employee Benefits	\$ 180,843	\$ 2,316,886	\$ 2,316,886	\$ 1,587,017	\$ -	68.50%
Contractual Services	\$ 79,535	\$ 1,313,472	\$ 1,313,472	\$ 695,159	\$ (563)	52.93%
Commodities	\$ 36,547	\$ 246,380	\$ 246,380	\$ 245,382	\$ (1,963)	99.60%
Capital	\$ -	\$ 18,908	\$ 18,908	\$ 18,908	\$ -	100.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended Budget excluding Addition to	Fund Balance	YTD Actual	YTD	Total % Used
	Transactions	Budget			Transactions	Encumbrances	
270 Probation Services	\$ 63,106	\$ 1,607,100	\$ 1,607,100	\$ 1,607,100	\$ 935,325	\$ -	58.20%
Contractual Services	\$ 61,669	\$ 1,210,000	\$ 1,210,000	\$ 1,210,000	\$ 548,642	\$ -	45.34%
Commodities	\$ 1,437	\$ 23,750	\$ 23,750	\$ 23,750	\$ 13,333	\$ -	56.14%
Transfers Out	\$ -	\$ 373,350	\$ 373,350	\$ 373,350	\$ 373,350	\$ -	100.00%
271 Substance Abuse Screening	\$ 3,704	\$ 80,000	\$ 80,000	\$ 80,000	\$ 29,225	\$ -	36.53%
Contractual Services	\$ 3,387	\$ 75,000	\$ 75,000	\$ 75,000	\$ 28,482	\$ -	37.98%
Commodities	\$ 317	\$ 5,000	\$ 5,000	\$ 5,000	\$ 743	\$ -	14.86%
273 Drug Court Special Resources	\$ 19,173	\$ 622,517	\$ 622,517	\$ 622,517	\$ 219,606	\$ -	35.28%
Contractual Services	\$ 16,547	\$ 602,817	\$ 602,817	\$ 602,817	\$ 209,710	\$ -	34.79%
Commodities	\$ 2,625	\$ 19,700	\$ 19,700	\$ 19,700	\$ 9,897	\$ -	50.24%
276 Probation Victim Services	\$ -	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 10,000	\$ 10,000	\$ 10,000	\$ -	\$ -	0.00%
278 Juvenile Justice Donation Fund	\$ -	\$ 700	\$ 700	\$ 700	\$ 239	\$ -	34.11%
Commodities	\$ -	\$ 700	\$ 700	\$ 700	\$ 239	\$ -	34.11%
759 Court Srvcs Employee Education	\$ -	\$ 100	\$ -	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 100	\$ -	\$ -	\$ -	\$ -	N/A
490 Coroner	\$ 153,941	\$ 1,720,223	\$ 1,720,213	\$ 1,720,213	\$ 1,230,316	\$ 48,164	71.52%
001 General Fund	\$ 144,737	\$ 1,515,405	\$ 1,515,405	\$ 1,515,405	\$ 1,151,804	\$ -	76.01%
Personnel Services- Salaries & Wages	\$ 65,583	\$ 780,566	\$ 780,566	\$ 780,566	\$ 612,196	\$ -	78.43%
Personnel Services- Employee Benefits	\$ 16,277	\$ 197,259	\$ 197,259	\$ 197,259	\$ 150,077	\$ -	76.08%
Contractual Services	\$ 61,801	\$ 522,080	\$ 522,080	\$ 522,080	\$ 382,943	\$ -	73.35%
Commodities	\$ 1,076	\$ 15,500	\$ 15,500	\$ 15,500	\$ 6,588	\$ -	42.50%
289 Coroner Administration	\$ 9,204	\$ 204,808	\$ 204,808	\$ 204,808	\$ 78,512	\$ 48,164	38.33%
Contractual Services	\$ 4,827	\$ 51,308	\$ 51,308	\$ 51,308	\$ 28,390	\$ -	55.33%
Commodities	\$ 4,377	\$ 88,500	\$ 88,500	\$ 88,500	\$ 50,122	\$ 950	56.63%
Capital	\$ -	\$ 65,000	\$ 65,000	\$ 65,000	\$ -	\$ 47,214	0.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
701 Elder Fatality Review Team	\$ -	\$ 10	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 10	\$ -	\$ -	\$ -	N/A
500 Animal Control	\$ 122,440	\$ 1,029,940	\$ 1,029,940	\$ 790,961	\$ 19,380	76.80%
290 Animal Control	\$ 122,440	\$ 1,029,940	\$ 1,029,940	\$ 790,961	\$ 19,380	76.80%
Personnel Services- Salaries & Wages	\$ 52,927	\$ 617,285	\$ 617,285	\$ 483,661	\$ -	78.35%
Personnel Services- Employee Benefits	\$ 14,310	\$ 134,454	\$ 134,454	\$ 114,335	\$ -	85.04%
Contractual Services	\$ 49,798	\$ 149,477	\$ 149,477	\$ 136,095	\$ 67	91.05%
Commodities	\$ 5,405	\$ 75,500	\$ 75,500	\$ 47,269	\$ 19,313	62.61%
Capital	\$ -	\$ 15,355	\$ 15,355	\$ 9,600	\$ -	62.52%
Transfers Out	\$ -	\$ 37,869	\$ 37,869	\$ -	\$ -	0.00%
510 Emergency Management Services	\$ 29,559	\$ 742,805	\$ 742,255	\$ 287,308	\$ 5,304	38.71%
001 General Fund	\$ 28,934	\$ 735,605	\$ 735,605	\$ 285,506	\$ 5,304	38.81%
Personnel Services- Salaries & Wages	\$ 21,615	\$ 499,116	\$ 499,116	\$ 244,185	\$ -	48.92%
Personnel Services- Employee Benefits	\$ 1,711	\$ 110,115	\$ 110,115	\$ 19,533	\$ -	17.74%
Contractual Services	\$ 858	\$ 40,860	\$ 40,860	\$ 6,476	\$ 4,564	15.85%
Commodities	\$ 4,750	\$ 85,514	\$ 85,514	\$ 15,312	\$ 740	17.91%
247 EMA Volunteer Fund	\$ 625	\$ 3,200	\$ 2,800	\$ 723	\$ -	25.82%
Contractual Services	\$ -	\$ 2,200	\$ 2,200	\$ -	\$ -	0.00%
Commodities	\$ 625	\$ 600	\$ 600	\$ 723	\$ -	120.50%
Contingency and Other	\$ -	\$ 400	\$ -	\$ -	\$ -	N/A

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
248 KC Emergency Planning	\$ -	\$ 4,000	\$ 3,850	\$ 1,080	\$ -	28.04%
Contractual Services	\$ -	\$ 3,000	\$ 3,000	\$ 871	\$ -	29.02%
Commodities	\$ -	\$ 850	\$ 850	\$ 209	\$ -	24.59%
Contingency and Other	\$ -	\$ 150	\$ -	\$ -	\$ -	N/A
520 Transportation	\$ 11,406,060	\$ 136,604,243	\$ 136,604,243	\$ 34,525,697	\$ 113,960,245	25.27%
300 County Highway	\$ 833,487	\$ 9,817,609	\$ 9,817,609	\$ 4,938,759	\$ 2,453,920	50.31%
Personnel Services- Salaries & Wages	\$ 219,516	\$ 3,380,747	\$ 3,380,747	\$ 2,086,277	\$ -	61.71%
Personnel Services- Employee Benefits	\$ 69,711	\$ 1,127,458	\$ 1,127,458	\$ 671,797	\$ -	59.59%
Contractual Services	\$ 263,718	\$ 2,037,685	\$ 2,037,685	\$ 964,195	\$ 1,601,251	47.32%
Commodities	\$ 33,526	\$ 1,018,200	\$ 1,018,200	\$ 389,572	\$ 171,397	38.26%
Capital	\$ 247,016	\$ 2,069,408	\$ 2,069,408	\$ 642,807	\$ 681,272	31.06%
Transfers Out	\$ -	\$ 184,111	\$ 184,111	\$ 184,111	\$ -	100.00%
301 County Bridge	\$ 19,954	\$ 331,195	\$ 331,195	\$ 316,748	\$ 167,565	95.64%
Contractual Services	\$ 19,954	\$ 331,195	\$ 331,195	\$ 316,748	\$ 167,565	95.64%
302 Motor Fuel Tax	\$ 2,725,090	\$ 38,280,439	\$ 38,280,439	\$ 10,593,403	\$ 31,700,772	27.67%
Personnel Services- Salaries & Wages	\$ 191,751	\$ 2,989,343	\$ 2,989,343	\$ 1,942,355	\$ -	64.98%
Personnel Services- Employee Benefits	\$ 75,749	\$ 1,171,835	\$ 1,171,835	\$ 726,942	\$ -	62.03%
Contractual Services	\$ 1,651,048	\$ 10,685,891	\$ 10,685,891	\$ 3,543,416	\$ 8,190,163	33%
Capital	\$ 806,542	\$ 23,328,502	\$ 23,328,502	\$ 4,275,823	\$ 23,510,608	18.33%
Transfers Out	\$ -	\$ 104,868	\$ 104,868	\$ 104,868	\$ -	100.00%
303 County Highway Matching	\$ -	\$ 88,248	\$ 88,248	\$ 81,850	\$ -	92.75%
Commodities	\$ -	\$ 88,248	\$ 88,248	\$ 81,850	\$ -	92.75%
304 Motor Fuel Local Option	\$ 908,912	\$ 13,180,000	\$ 13,180,000	\$ 4,030,386	\$ 13,054,790	30.58%
Contractual Services	\$ 149,640	\$ 9,585,500	\$ 9,585,500	\$ 1,584,042	\$ 8,525,827	16.53%
Commodities	\$ 108,531	\$ 3,324,500	\$ 3,324,500	\$ 1,737,954	\$ 4,232,528	52.28%
Capital	\$ 650,741	\$ 270,000	\$ 270,000	\$ 708,390	\$ 296,434	262.37%
305 Transportation Sales Tax	\$ 5,493,451	\$ 45,400,565	\$ 45,400,565	\$ 11,316,921	\$ 59,971,400	24.93%
Contractual Services	\$ 1,432,862	\$ 9,009,415	\$ 9,009,415	\$ 3,736,604	\$ 24,179,699	41.47%
Capital	\$ 4,060,589	\$ 34,579,981	\$ 34,579,981	\$ 5,859,351	\$ 35,791,701	16.94%
Transfers Out	\$ -	\$ 1,811,169	\$ 1,811,169	\$ 1,720,965	\$ -	95.02%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
515 Longmeadow Bond Construction	\$ -	\$ 18,302,263	\$ 18,302,263	\$ -	\$ -	0.00%
Capital	\$ -	\$ 220,263	\$ 220,263	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 18,082,000	\$ 18,082,000	\$ -	\$ -	0.00%
540 Transportation Capital	\$ 200,000	\$ 209,000	\$ 209,000	\$ 208,310	\$ 23,013	99.67%
Contractual Services	\$ -	\$ -	\$ -	\$ 8,310	\$ 23,013	N/A
Capital	\$ 200,000	\$ 209,000	\$ 209,000	\$ 200,000	\$ -	95.69%
550 Aurora Area Impact Fees	\$ -	\$ 250	\$ 250	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 250	\$ 250	\$ -	\$ -	0.00%
551 Campton Hills Impact Fees	\$ -	\$ 250	\$ 250	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 250	\$ 250	\$ -	\$ -	0.00%
552 Greater Elgin Impact Fees	\$ -	\$ 427,117	\$ 427,117	\$ 130,016	\$ 88,539	30.44%
Capital	\$ -	\$ 427,117	\$ 427,117	\$ 130,016	\$ 88,539	30.44%
553 Northwest Impact Fees	\$ -	\$ 345,000	\$ 345,000	\$ -	\$ -	0.00%
Capital	\$ -	\$ 345,000	\$ 345,000	\$ -	\$ -	0.00%
554 Southwest Impact Fees	\$ -	\$ 113,270	\$ 113,270	\$ -	\$ -	0.00%
Capital	\$ -	\$ 110,000	\$ 110,000	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 3,270	\$ 3,270	\$ -	\$ -	0.00%
555 Tri-Cities Impact Fees	\$ -	\$ 4,600	\$ 4,600	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 4,600	\$ 4,600	\$ -	\$ -	0.00%
556 Upper Fox Impact Fees	\$ -	\$ 251,000	\$ 251,000	\$ -	\$ 133,282	0.00%
Capital	\$ -	\$ 250,000	\$ 250,000	\$ -	\$ 133,282	0.00%
Transfers Out	\$ -	\$ 1,000	\$ 1,000	\$ -	\$ -	0.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
557 West Central Impact Fees	\$ -	\$ 41,400	\$ 41,400	\$ -	\$ -	0.00%
Capital	\$ -	\$ 39,000	\$ 39,000	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 2,400	\$ 2,400	\$ -	\$ -	0.00%
558 North Impact Fees	\$ 1,221,361	\$ 3,060,000	\$ 3,060,000	\$ 2,876,404	\$ 1,295,602	94.00%
Contractual Services	\$ -	\$ 500,000	\$ 500,000	\$ 20,237	\$ 1,140	4.05%
Capital	\$ 1,221,361	\$ 2,460,000	\$ 2,460,000	\$ 2,856,167	\$ 1,294,462	116.10%
Transfers Out	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	0.00%
559 Central Impact Fees	\$ -	\$ 2,381,000	\$ 2,381,000	\$ 8,777	\$ 5,110	0.37%
Contractual Services	\$ -	\$ -	\$ -	\$ 8,777	\$ 5,110	N/A
Capital	\$ -	\$ 2,366,000	\$ 2,366,000	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -	0.00%
560 South Impact Fees	\$ 3,805	\$ 4,371,037	\$ 4,371,037	\$ 24,125	\$ 5,066,254	0.55%
Contractual Services	\$ 3,805	\$ -	\$ -	\$ 24,125	\$ 255,975	N/A
Capital	\$ -	\$ 4,336,037	\$ 4,336,037	\$ -	\$ 4,810,279	0.00%
Transfers Out	\$ -	\$ 35,000	\$ 35,000	\$ -	\$ -	0.00%
580 Health	\$ 903,477	\$ 11,479,430	\$ 11,479,430	\$ 6,271,946	\$ 498,155	54.64%
350 County Health	\$ 881,229	\$ 10,893,346	\$ 10,893,346	\$ 6,164,280	\$ 473,568	56.59%
Personnel Services- Salaries & Wages	\$ 301,376	\$ 4,430,606	\$ 4,430,606	\$ 2,670,622	\$ -	60.28%
Personnel Services- Employee Benefits	\$ 100,369	\$ 1,449,131	\$ 1,449,131	\$ 907,313	\$ -	62.61%
Contractual Services	\$ 458,176	\$ 4,426,286	\$ 4,426,286	\$ 2,233,712	\$ 48,144	50.46%
Commodities	\$ 21,308	\$ 406,717	\$ 406,717	\$ 172,027	\$ 425,424	42.30%
Transfers Out	\$ -	\$ 180,606	\$ 180,606	\$ 180,606	\$ -	100.00%
351 Kane Kares	\$ 22,248	\$ 586,084	\$ 586,084	\$ 107,666	\$ 24,587	18.37%
Personnel Services- Salaries & Wages	\$ -	\$ 323,297	\$ 323,297	\$ 23,493	\$ -	7.27%
Personnel Services- Employee Benefits	\$ -	\$ 118,555	\$ 118,555	\$ 9,485	\$ -	8.00%
Contractual Services	\$ 21,910	\$ 126,420	\$ 126,420	\$ 54,826	\$ 23,544	43.37%
Commodities	\$ 338	\$ 334	\$ 334	\$ 2,384	\$ 1,043	713.68%
Transfers Out	\$ -	\$ 17,478	\$ 17,478	\$ 17,478	\$ -	100.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended	YTD Actual	YTD	Total % Used
	Transactions	Budget	Budget	Transactions	Encumbrances	
			excl. Addition to			
			Fund Balance			
660 Veterans' Commission	\$ 52,610	\$ 573,999	\$ 573,999	\$ 341,207	\$ -	59.44%
380 Veterans' Commission	\$ 52,610	\$ 573,999	\$ 573,999	\$ 341,207	\$ -	59.44%
Personnel Services- Salaries & Wages	\$ 26,444	\$ 327,406	\$ 327,406	\$ 223,206	\$ -	68.17%
Personnel Services- Employee Benefits	\$ 8,709	\$ 123,215	\$ 123,215	\$ 72,578	\$ -	58.90%
Contractual Services	\$ 17,418	\$ 104,054	\$ 104,054	\$ 32,041	\$ -	30.79%
Commodities	\$ 39	\$ 6,956	\$ 6,956	\$ 1,013	\$ -	14.57%
Transfers Out	\$ -	\$ 12,368	\$ 12,368	\$ 12,368	\$ -	100.00%
670 Environmental Management	\$ 66,291	\$ 1,348,482	\$ 1,195,923	\$ 702,665	\$ 13,498	58.76%
001 General Fund	\$ 40,926	\$ 632,710	\$ 632,710	\$ 427,227	\$ 64	67.52%
Personnel Services- Salaries & Wages	\$ 33,123	\$ 520,848	\$ 520,848	\$ 348,805	\$ -	66.97%
Personnel Services- Employee Benefits	\$ 7,626	\$ 106,212	\$ 106,212	\$ 74,564	\$ -	70.20%
Contractual Services	\$ 60	\$ 4,650	\$ 4,650	\$ 3,058	\$ -	65.76%
Commodities	\$ 117	\$ 1,000	\$ 1,000	\$ 800	\$ 64	79.96%
420 Stormwater Management	\$ 1,348	\$ 236,661	\$ 236,661	\$ 74,545	\$ -	31.50%
Personnel Services- Salaries & Wages	\$ 608	\$ 7,928	\$ 7,928	\$ 5,774	\$ -	72.83%
Personnel Services- Employee Benefits	\$ 329	\$ 4,144	\$ 4,144	\$ 2,996	\$ -	72.31%
Contractual Services	\$ 412	\$ 216,612	\$ 216,612	\$ 65,512	\$ -	30.24%
Commodities	\$ -	\$ 7,715	\$ 7,715	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 262	\$ 262	\$ 262	\$ -	100.00%
421 Elec Agg Civic Contribution	\$ 1,307	\$ 254,648	\$ 102,089	\$ 54,400	\$ -	53.29%
Contractual Services	\$ 1,307	\$ 75,000	\$ 75,000	\$ 27,311	\$ -	36.41%
Contingency and Other	\$ -	\$ 152,559	\$ -	\$ -	\$ -	N/A
Transfers Out	\$ -	\$ 27,089	\$ 27,089	\$ 27,089	\$ -	100.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended	YTD Actual	YTD	Total % Used
	Transactions	Budget	Budget excluding Addition to Fund Balance	Transactions	Encumbrances	
650 Enterprise Surcharge	\$ 22,710	\$ 223,463	\$ 223,463	\$ 146,494	\$ 13,434	65.56%
Personnel Services- Salaries & Wages	\$ 3,399	\$ 22,845	\$ 22,845	\$ 32,291	\$ -	141.35%
Personnel Services- Employee Benefits	\$ 1,470	\$ 9,113	\$ 9,113	\$ 13,434	\$ -	147.42%
Contractual Services	\$ 15,934	\$ 171,716	\$ 171,716	\$ 89,091	\$ 13,434	51.88%
Commodities	\$ 1,907	\$ 17,925	\$ 17,925	\$ 9,815	\$ -	54.75%
Transfers Out	\$ -	\$ 1,864	\$ 1,864	\$ 1,864	\$ -	100.00%
751 Subdivision Review Escrow	\$ -	\$ 1,000	\$ 1,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 1,000	\$ 1,000	\$ -	\$ -	0.00%
690 Development	\$ 723,190	\$ 17,499,200	\$ 12,839,248	\$ 8,652,598	\$ 221,376	67.39%
001 General Fund	\$ 104,611	\$ 1,339,428	\$ 1,339,428	\$ 923,504	\$ -	68.95%
Personnel Services- Salaries & Wages	\$ 76,057	\$ 973,646	\$ 973,646	\$ 654,281	\$ -	67.20%
Personnel Services- Employee Benefits	\$ 20,726	\$ 270,856	\$ 270,856	\$ 178,134	\$ -	65.77%
Contractual Services	\$ 5,880	\$ 71,946	\$ 71,946	\$ 43,899	\$ -	61.02%
Commodities	\$ 1,948	\$ 22,980	\$ 22,980	\$ 47,189	\$ -	205.35%
400 Economic Development	\$ 14,768	\$ 357,084	\$ 357,084	\$ 156,480	\$ -	43.82%
Personnel Services- Salaries & Wages	\$ 3,510	\$ 45,784	\$ 45,784	\$ 33,349	\$ -	72.84%
Personnel Services- Employee Benefits	\$ 1,595	\$ 20,039	\$ 20,039	\$ 14,539	\$ -	72.55%
Contractual Services	\$ 9,663	\$ 286,491	\$ 286,491	\$ 104,222	\$ -	36.38%
Commodities	\$ -	\$ 400	\$ 400	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 4,370	\$ 4,370	\$ 4,370	\$ -	100.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended	YTD Actual	YTD	Total % Used
	Transactions	Budget	Budget	Transactions	Encumbrances	
			excl. Addition to			
			Fund Balance			
401 Community Dev Block Program	\$ 409,250	\$ 2,022,761	\$ 2,022,761	\$ 1,815,835	\$ 102	89.77%
Personnel Services- Salaries & Wages	\$ 9,177	\$ 187,584	\$ 187,584	\$ 100,347	\$ -	53.49%
Personnel Services- Employee Benefits	\$ 2,303	\$ 81,898	\$ 81,898	\$ 25,585	\$ -	31.24%
Contractual Services	\$ 396,922	\$ 1,720,793	\$ 1,720,793	\$ 1,661,750	\$ 102	96.57%
Commodities	\$ 496	\$ 8,356	\$ 8,356	\$ 2,660	\$ -	31.83%
Transfers Out	\$ 352	\$ 24,130	\$ 24,130	\$ 25,493	\$ -	105.65%
402 HOME Program	\$ 7,435	\$ 1,264,538	\$ 1,264,538	\$ 1,462,737	\$ 60	115.67%
Personnel Services- Salaries & Wages	\$ 4,945	\$ 84,740	\$ 84,740	\$ 57,709	\$ -	68.10%
Personnel Services- Employee Benefits	\$ 1,373	\$ 30,830	\$ 30,830	\$ 14,678	\$ -	47.61%
Contractual Services	\$ 781	\$ 1,145,386	\$ 1,145,386	\$ 1,387,457	\$ 60	121.13%
Commodities	\$ 121	\$ 960	\$ 960	\$ 724	\$ -	75.37%
Transfers Out	\$ 215	\$ 2,622	\$ 2,622	\$ 2,169	\$ -	82.73%
403 Unincorporated Stormwater Mgmt	\$ -	\$ 55,000	\$ 55,000	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 55,000	\$ 55,000	\$ -	\$ -	0.00%
404 Homeless Management Info Systems	\$ 9,688	\$ 227,366	\$ 227,366	\$ 136,172	\$ 42	59.89%
Personnel Services- Salaries & Wages	\$ 5,532	\$ 100,434	\$ 100,434	\$ 58,258	\$ -	58.01%
Personnel Services- Employee Benefits	\$ 1,959	\$ 36,956	\$ 36,956	\$ 19,007	\$ -	51.43%
Contractual Services	\$ 1,862	\$ 85,758	\$ 85,758	\$ 55,534	\$ 42	64.76%
Commodities	\$ 81	\$ 1,596	\$ 1,596	\$ 813	\$ -	50.97%
Transfers Out	\$ 254	\$ 2,622	\$ 2,622	\$ 2,560	\$ -	97.64%
405 Cost Share Drainage	\$ 23,600	\$ 189,403	\$ 189,403	\$ 78,333	\$ 70,606	41.36%
Contractual Services	\$ 600	\$ 165,563	\$ 165,563	\$ 50,290	\$ 70,606	30.38%
Commodities	\$ -	\$ 840	\$ 840	\$ 100	\$ -	11.90%
Capital	\$ -	\$ -	\$ -	\$ 4,943	\$ -	N/A
Transfers Out	\$ 23,000	\$ 23,000	\$ 23,000	\$ 23,000	\$ -	100.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance		YTD Actual Transactions	YTD Encumbrances	Total % Used
406 OCR & Recovery Act Programs	\$ 54	\$ 55,552	\$ 55,552	\$ 55,552	\$ 1,489	\$ -	2.68%
Personnel Services- Salaries & Wages	\$ 47	\$ 3,107	\$ 3,107	\$ 3,107	\$ 1,260	\$ -	40.57%
Personnel Services- Employee Benefits	\$ 6	\$ 2,137	\$ 2,137	\$ 2,137	\$ 164	\$ -	7.68%
Contractual Services	\$ 1	\$ 50,162	\$ 50,162	\$ 50,162	\$ 64	\$ -	0.13%
Transfers Out	\$ -	\$ 146	\$ 146	\$ 146	\$ -	\$ -	0.00%
407 Quality of Kane Grants	\$ -	\$ 30,110	\$ 30,110	\$ 30,110	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 30,110	\$ 30,110	\$ 30,110	\$ -	\$ -	0.00%
409 Continuum of Care Planning Grant	\$ 7,288	\$ 87,429	\$ 87,429	\$ 87,429	\$ 62,412	\$ 32	71.39%
Personnel Services- Salaries & Wages	\$ 2,673	\$ 36,760	\$ 36,760	\$ 36,760	\$ 29,067	\$ -	79.07%
Personnel Services- Employee Benefits	\$ 853	\$ 13,341	\$ 13,341	\$ 13,341	\$ 9,134	\$ -	68.47%
Contractual Services	\$ 3,617	\$ 35,636	\$ 35,636	\$ 35,636	\$ 22,718	\$ 32	63.75%
Commodities	\$ 27	\$ 381	\$ 381	\$ 381	\$ 300	\$ -	78.78%
Transfers Out	\$ 117	\$ 1,311	\$ 1,311	\$ 1,311	\$ 1,192	\$ -	90.93%
410 Elgin CDBG	\$ 5,119	\$ 959,568	\$ 959,568	\$ 959,568	\$ 401,927	\$ 28	41.89%
Personnel Services- Salaries & Wages	\$ 3,617	\$ 115,687	\$ 115,687	\$ 115,687	\$ 39,444	\$ -	34.10%
Personnel Services- Employee Benefits	\$ 730	\$ 48,916	\$ 48,916	\$ 48,916	\$ 9,642	\$ -	19.71%
Contractual Services	\$ 512	\$ 790,653	\$ 790,653	\$ 790,653	\$ 351,142	\$ 28	44.41%
Commodities	\$ 144	\$ 1,253	\$ 1,253	\$ 1,253	\$ 546	\$ -	43.55%
Transfers Out	\$ 117	\$ 3,059	\$ 3,059	\$ 3,059	\$ 1,153	\$ -	37.69%
412 Emergency Rental Assistance #2	\$ 22,373	\$ 7,935,693	\$ 3,275,746	\$ 3,275,746	\$ 2,435,640	\$ 28	74.35%
Personnel Services- Salaries & Wages	\$ 10,030	\$ 73,046	\$ 73,046	\$ 73,046	\$ 46,685	\$ -	63.91%
Personnel Services- Employee Benefits	\$ 2,851	\$ 46,240	\$ 46,240	\$ 46,240	\$ 9,895	\$ -	21.40%
Contractual Services	\$ 8,567	\$ 3,148,912	\$ 3,148,912	\$ 3,148,912	\$ 2,373,438	\$ 28	75.37%
Commodities	\$ 514	\$ 4,452	\$ 4,452	\$ 4,452	\$ 4,195	\$ -	94.24%
Contingency and Other	\$ -	\$ 4,659,947	\$ -	\$ -	\$ -	\$ -	N/A
Transfers Out	\$ 410	\$ 3,096	\$ 3,096	\$ 3,096	\$ 1,427	\$ -	46.08%
413 CDBG-CV	\$ 1,354	\$ 551,800	\$ 551,800	\$ 551,800	\$ 484,629	\$ 7	87.83%
Personnel Services- Salaries & Wages	\$ 974	\$ 29,903	\$ 29,903	\$ 29,903	\$ 5,765	\$ -	19.28%
Personnel Services- Employee Benefits	\$ 178	\$ 13,307	\$ 13,307	\$ 13,307	\$ 2,127	\$ -	15.98%
Contractual Services	\$ 147	\$ 508,168	\$ 508,168	\$ 508,168	\$ 476,449	\$ 7	93.76%
Commodities	\$ 16	\$ 422	\$ 422	\$ 422	\$ 73	\$ -	17.36%
Transfers Out	\$ 39	\$ -	\$ -	\$ -	\$ 215	\$ -	N/A

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended	YTD Actual	YTD	Total % Used
	Transactions	Budget	Budget excluding	Transactions	Encumbrances	
			Addition to			
			Fund Balance			
414 Home - ARP	\$ 28,316	\$ 853,213	\$ 853,213	\$ 76,737	\$ 4	8.99%
Personnel Services- Salaries & Wages	\$ 7,202	\$ 100,247	\$ 100,247	\$ 22,547	\$ -	22.49%
Personnel Services- Employee Benefits	\$ 2,724	\$ 40,175	\$ 40,175	\$ 7,134	\$ -	17.76%
Contractual Services	\$ 17,881	\$ 710,877	\$ 710,877	\$ 45,599	\$ 4	6.41%
Commodities	\$ 138	\$ 1,914	\$ 1,914	\$ 382	\$ -	19.93%
Transfers Out	\$ 371	\$ -	\$ -	\$ 1,075	\$ -	N/A
415 Homeless Prevention Program	\$ -	\$ 246,230	\$ 246,230	\$ 180,055	\$ -	73.12%
Personnel Services- Salaries & Wages	\$ -	\$ -	\$ -	\$ 51,106	\$ -	N/A
Personnel Services- Employee Benefits	\$ -	\$ -	\$ -	\$ 14,599	\$ -	N/A
Contractual Services	\$ -	\$ 240,587	\$ 240,587	\$ 110,212	\$ -	45.81%
Commodities	\$ -	\$ -	\$ -	\$ 1,423	\$ -	N/A
Transfers Out	\$ -	\$ 5,643	\$ 5,643	\$ 2,716	\$ -	48.14%
425 Blighted Structure Demolition	\$ 19,750	\$ 120,000	\$ 120,000	\$ 22,864	\$ -	19.05%
Contractual Services	\$ 19,750	\$ 120,000	\$ 120,000	\$ 22,864	\$ -	19.05%
435 Growing for Kane	\$ 5,179	\$ 177,140	\$ 177,140	\$ 16,572	\$ -	9.36%
Contractual Services	\$ 5,179	\$ 175,640	\$ 175,640	\$ 16,572	\$ -	9.43%
Commodities	\$ -	\$ 1,500	\$ 1,500	\$ -	\$ -	0.00%
520 Mill Creek Special Service Area	\$ 63,678	\$ 1,009,409	\$ 1,009,409	\$ 396,486	\$ 150,466	39.28%
Personnel Services- Salaries & Wages	\$ 5,253	\$ 69,758	\$ 69,758	\$ 49,904	\$ -	71.54%
Personnel Services- Employee Benefits	\$ 2,189	\$ 28,041	\$ 28,041	\$ 20,086	\$ -	71.63%
Contractual Services	\$ 55,113	\$ 858,814	\$ 858,814	\$ 288,759	\$ 150,466	33.62%
Commodities	\$ 1,123	\$ 26,900	\$ 26,900	\$ 11,841	\$ -	44.02%
Transfers Out	\$ -	\$ 25,896	\$ 25,896	\$ 25,896	\$ -	100.00%
521 Bowes Creek Special Service Area	\$ -	\$ 5	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 5	\$ -	\$ -	\$ -	N/A
5302 Shirewood Farm SSA SW39	\$ -	\$ 110	\$ 110	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 110	\$ 110	\$ -	\$ -	0.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended	YTD Actual	YTD	Total % Used
	Transactions	Budget	Budget	Transactions	Encumbrances	
			excl. Add. to			
			Fund Balance			
5304 Wildwood West SBA SW41	\$ 725	\$ 665	\$ 665	\$ 725	\$ -	109.02%
Contractual Services	\$ 725	\$ -	\$ -	\$ 725	\$ -	N/A
Transfers Out	\$ -	\$ 665	\$ 665	\$ -	\$ -	0.00%
5306 Cheval DeSelle Venetian SBA SW43	\$ -	\$ 2,200	\$ 2,200	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 2,200	\$ 2,200	\$ -	\$ -	0.00%
5308 Plank Road Estates SBA SW45	\$ -	\$ 1,575	\$ 1,575	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 1,575	\$ 1,575	\$ -	\$ -	0.00%
5310 Exposition View SBA SW47	\$ -	\$ 500	\$ 500	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 500	\$ 500	\$ -	\$ -	0.00%
5311 Pasadena Drive SBA SW48	\$ -	\$ 3,872	\$ 3,872	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 1,300	\$ 1,300	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 2,572	\$ 2,572	\$ -	\$ -	0.00%
5312 Tamara Dittman SBA SW 50	\$ -	\$ 1,215	\$ 1,215	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 1,215	\$ 1,215	\$ -	\$ -	0.00%
5313 Church Molitor SSA SA 52	\$ -	\$ 3,334	\$ 3,334	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 3,334	\$ 3,334	\$ -	\$ -	0.00%
5314 45W185 Plank Road SSA SW 54	\$ -	\$ 4,000	\$ 4,000	\$ -	\$ -	0.00%
Transfers Out	\$ -	\$ 4,000	\$ 4,000	\$ -	\$ -	0.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended	YTD Actual	YTD	Total % Used
	Transactions	Budget	Budget excluding Addition to Fund Balance	Transactions	Encumbrances	
760 Debt Service	\$ -	\$ 23,302,637	\$ 23,274,694	\$ 3,257,282	\$ -	13.99%
601 Public Building Commission	\$ -	\$ 11,240	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 11,240	\$ -	\$ -	\$ -	N/A
610 Capital Improvement Debt Service	\$ -	\$ 202,202	\$ 202,202	\$ 202,202	\$ -	100.00%
Debt Service	\$ -	\$ 202,202	\$ 202,202	\$ 202,202	\$ -	100.00%
620 Motor Fuel Tax Debt Service	\$ -	\$ 3,000	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 3,000	\$ -	\$ -	\$ -	N/A
621 Transit Sales Tax Debt Service	\$ -	\$ 1,750	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 1,750	\$ -	\$ -	\$ -	N/A
622 Recovery Zone Bond Debt Service	\$ -	\$ 135,187	\$ 123,234	\$ 123,234	\$ -	100.00%
Contractual Services	\$ -	\$ 550	\$ 550	\$ 550	\$ -	100.00%
Contingency and Other	\$ -	\$ 11,953	\$ -	\$ -	\$ -	N/A
Debt Service	\$ -	\$ 122,684	\$ 122,684	\$ 122,684	\$ -	100.00%
623 JJC/AJC Refunding Debt Service	\$ -	\$ 3,076,121	\$ 3,076,121	\$ 2,931,846	\$ -	95.31%
Contractual Services	\$ -	\$ 550	\$ 550	\$ -	\$ -	0.00%
Debt Service	\$ -	\$ 3,075,571	\$ 3,075,571	\$ 2,931,846	\$ -	95.33%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month Transactions	Total Amended Budget	Total Amended Budget excluding Addition to Fund Balance	YTD Actual Transactions	YTD Encumbrances	Total % Used
624 Longmeadow Debt Service	\$ -	\$ 19,818,969	\$ 19,818,969	\$ -	\$ -	0.00%
Debt Service	\$ -	\$ 19,818,969	\$ 19,818,969	\$ -	\$ -	0.00%
625 Longmeadow Debt Srv - Cap Int	\$ -	\$ 54,168	\$ 54,168	\$ -	\$ -	0.00%
Debt Service	\$ -	\$ 54,168	\$ 54,168	\$ -	\$ -	0.00%
800 Other- Countywide Expenses	\$ 11,332,760	\$ 121,611,167	\$ 120,625,780	\$ 73,944,878	\$ 6,967,811	61.30%
001 General Fund	\$ 158,611	\$ 8,830,075	\$ 8,830,075	\$ 7,784,344	\$ 222,110	88.16%
Contractual Services	\$ 103,171	\$ 1,988,295	\$ 1,988,295	\$ 1,635,430	\$ 222,828	82.25%
Commodities	\$ 55,441	\$ 1,618,752	\$ 1,618,752	\$ 925,887	\$ (718)	57.20%
Transfers Out	\$ -	\$ 5,223,028	\$ 5,223,028	\$ 5,223,028	\$ -	100.00%
100 County Automation	\$ -	\$ 7,475	\$ 7,475	\$ -	\$ -	0.00%
Contractual Services	\$ -	\$ 7,475	\$ 7,475	\$ -	\$ -	0.00%
110 Illinois Municipal Retirement	\$ 402,126	\$ 5,479,925	\$ 5,479,925	\$ 3,976,705	\$ -	72.57%
Personnel Services- Employee Benefits	\$ 402,126	\$ 5,479,925	\$ 5,479,925	\$ 3,976,705	\$ -	72.57%
111 FICA/Social Security	\$ 387,975	\$ 5,212,071	\$ 5,212,071	\$ 3,619,235	\$ -	69.44%
Personnel Services- Employee Benefits	\$ 387,975	\$ 5,212,071	\$ 5,212,071	\$ 3,619,235	\$ -	69.44%
112 Special Reserve	\$ -	\$ 296,508	\$ 33,908	\$ 33,908	\$ -	100.00%
Contingency and Other	\$ -	\$ 262,600	\$ -	\$ -	\$ -	N/A
Transfers Out	\$ -	\$ 33,908	\$ 33,908	\$ 33,908	\$ -	100.00%
113 Emergency Reserve	\$ -	\$ 52,770	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 52,770	\$ -	\$ -	\$ -	N/A
114 Property Tax Freeze Protection	\$ -	\$ 5,049,890	\$ 5,009,776	\$ 5,009,776	\$ -	100.00%
Contingency and Other	\$ -	\$ 40,114	\$ -	\$ -	\$ -	N/A
Transfers Out	\$ -	\$ 5,009,776	\$ 5,009,776	\$ 5,009,776	\$ -	100.00%
125 Public Safety Sales Tax	\$ 173,995	\$ 2,042,600	\$ 2,042,600	\$ 1,307,093	\$ 411,682	63.99%
Contractual Services	\$ 171,960	\$ 949,600	\$ 949,600	\$ 775,640	\$ 68,718	81.68%
Capital	\$ 2,035	\$ 659,000	\$ 659,000	\$ 97,452	\$ 342,964	14.79%
Transfers Out	\$ -	\$ 434,000	\$ 434,000	\$ 434,000	\$ -	100.00%

Kane County Expenditure Report - Detail
Through August 31, 2023 (75.0% YTD, 73.08% Payroll Expense through Pay Period Ending 8/19/2023)

	Current Month	Total Amended	Total Amended	YTD Actual	YTD	Total % Used
	Transactions	Budget	excl. Addition to Fund Balance	Transactions	Encumbrances	
127 Judicial Technology Sales Tax	\$ 147,651	\$ 1,520,289	\$ 1,496,236	\$ 1,112,955	\$ 24,668	74.38%
Personnel Services- Salaries & Wages	\$ 15,546	\$ 313,675	\$ 313,675	\$ 146,921	\$ -	46.84%
Personnel Services- Employee Benefits	\$ 4,119	\$ 124,162	\$ 124,162	\$ 37,495	\$ -	30.20%
Contractual Services	\$ 127,986	\$ 1,023,203	\$ 1,023,203	\$ 893,342	\$ 24,668	87.31%
Contingency and Other	\$ -	\$ 24,053	\$ -	\$ -	\$ -	N/A
Transfers Out	\$ -	\$ 35,196	\$ 35,196	\$ 35,196	\$ -	100.00%
355 American Rescue Plan	\$ 518,650	\$ 26,793,023	\$ 26,793,023	\$ 10,101,482	\$ -	37.70%
Personnel Services- Salaries & Wages	\$ 24,917	\$ 321,920	\$ 321,920	\$ 128,528	\$ -	39.93%
Personnel Services- Employee Benefits	\$ 6,674	\$ 169,044	\$ 169,044	\$ 31,069	\$ -	18.38%
Contractual Services	\$ 487,059	\$ 3,558,111	\$ 3,558,111	\$ 1,355,659	\$ -	38.10%
Commodities	\$ -	\$ 2,500	\$ 2,500	\$ -	\$ -	0.00%
Contingency and Other	\$ -	\$ 18,299,814	\$ 18,299,814	\$ -	\$ -	0.00%
Capital	\$ -	\$ 3,058,357	\$ 3,058,357	\$ 45,948	\$ -	1.50%
Transfers Out	\$ -	\$ 1,383,277	\$ 1,383,277	\$ 8,540,278	\$ -	617.39%
356 ARP Recoupment of Lost Revenue	\$ -	\$ 10	\$ -	\$ 2,907,342	\$ -	N/A
Contingency and Other	\$ -	\$ 10	\$ -	\$ -	\$ -	N/A
Transfers Out	\$ -	\$ -	\$ -	\$ 2,907,342	\$ -	N/A
357 COVID Payroll Reimbursement	\$ 7,391,419	\$ 18,619,886	\$ 18,619,886	\$ 18,619,886	\$ -	100.00%
Transfers Out	\$ 7,391,419	\$ 18,619,886	\$ 18,619,886	\$ 18,619,886	\$ -	100.00%
358 FEMA PA Administration	\$ -	\$ 250,000	\$ 250,000	\$ 103,336	\$ -	41.33%
Contractual Services	\$ -	\$ 250,000	\$ 250,000	\$ 103,336	\$ -	41.33%
500 Capital Projects	\$ 244,795	\$ 18,470,510	\$ 18,470,510	\$ 3,599,048	\$ 6,173,199	19.49%
Contractual Services	\$ 61,794	\$ 800,000	\$ 800,000	\$ 304,637	\$ 538,835	38.08%
Commodities	\$ -	\$ -	\$ -	\$ 30,996	\$ (0)	
Capital	\$ 183,001	\$ 17,670,510	\$ 17,670,510	\$ 3,263,415	\$ 5,634,364	18.47%
501 Judicial Facility Construction	\$ 203,196	\$ 4,191,992	\$ 3,586,992	\$ 2,889,724	\$ 136,152	80.56%
Contractual Services	\$ -	\$ 3,286,992	\$ 3,286,992	\$ 2,544,491	\$ -	77.41%
Contingency and Other	\$ -	\$ 605,000	\$ -	\$ -	\$ -	N/A
Capital	\$ 203,196	\$ 300,000	\$ 300,000	\$ 345,233	\$ 136,152	115.08%
510 Capital Improvement Bond Const	\$ -	\$ 840	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 840	\$ -	\$ -	\$ -	N/A
652 Health Insurance Fund	\$ 1,704,341	\$ 24,793,303	\$ 24,793,303	\$ 12,880,044	\$ -	51.95%
Personnel Services- Employee Benefits	\$ 398	\$ 57,455	\$ 57,455	\$ 59,643	\$ -	103.81%
Contractual Services	\$ 1,703,944	\$ 24,735,848	\$ 24,735,848	\$ 12,820,401	\$ -	51.83%
900 Contingency	\$ -	\$ 4,491,069	\$ 4,457,269	\$ -	\$ -	0.00%
001 General Fund	\$ -	\$ 4,457,269	\$ 4,457,269	\$ -	\$ -	0.00%
Personnel Services- Salaries & Wages	\$ -	\$ 2,702,146	\$ 2,702,146	\$ -	\$ -	0.00%
Personnel Services- Employee Benefits	\$ -	\$ 934,335	\$ 934,335	\$ -	\$ -	0.00%
Contingency and Other	\$ -	\$ 820,788	\$ 820,788	\$ -	\$ -	0.00%
660 Working Cash	\$ -	\$ 33,800	\$ -	\$ -	\$ -	N/A
Contingency and Other	\$ -	\$ 33,800	\$ -	\$ -	\$ -	N/A
Grand Total	\$ 34,113,938	\$ 463,565,984	\$ 456,061,170	\$ 219,098,277	\$ 124,048,256	48.04%



Finance Accounts Payable by GL Distribution

Payment Date Range 08/01/23 - 08/31/23

Vendor	Invoice No.	Invoice Description	Status	Held Reason	Invoice Date	Due Date	G/L Date	Received Date	Payment Date	Invoice Amount
Fund 001 - General Fund										
Department 040 - Finance										
Sub-Department 040 - Finance										
Account 52140 - Repairs and Maint- Copiers										
13153 - Toshiba America Business Solutions Inc	6080431	Copier charges - 05/01/23 - 07/31/23	Paid by EFT # 82185		08/03/2023	08/16/2023	08/16/2023		08/28/2023	163.03
							Account 52140 - Repairs and Maint- Copiers Totals		Invoice Transactions 1	<u>\$163.03</u>
Account 60000 - Office Supplies										
12287 - Century Springs/Ove Water Services	2125479	Water delivery 07/14, 07/28 & Aug Rental Fee	Paid by EFT # 81963		07/31/2023	08/17/2023	08/17/2023		08/28/2023	36.23
4526 - Fifth Third Bank	7740-TK-07/23	Fifth Third Bank P-Card Payment	Paid by EFT # 82014		08/04/2023	08/16/2023	08/16/2023		08/28/2023	92.82
3578 - Warehouse Direct, Inc.	5549615-0	Office Supply - Purchasing	Paid by EFT # 82198		08/10/2023	08/16/2023	08/16/2023		08/28/2023	61.58
							Account 60000 - Office Supplies Totals		Invoice Transactions 3	<u>\$190.63</u>
							Sub-Department 040 - Finance Totals		Invoice Transactions 4	<u>\$353.66</u>
							Department 040 - Finance Totals		Invoice Transactions 4	<u>\$353.66</u>
Department 140 - County Auditor										
Sub-Department 140 - County Auditor										
Account 52140 - Repairs and Maint- Copiers										
13153 - Toshiba America Business Solutions Inc	6071680	Copier	Paid by EFT # 81873		07/14/2023	08/01/2023	08/01/2023		08/14/2023	9.15
13153 - Toshiba America Business Solutions Inc	6095845	Copier	Paid by EFT # 82185		08/14/2023	08/18/2023	08/18/2023		08/28/2023	10.75
							Account 52140 - Repairs and Maint- Copiers Totals		Invoice Transactions 2	<u>\$19.90</u>
Account 53130 - General Association Dues										
4526 - Fifth Third Bank	6571-PW-07/23	Association Dues	Paid by EFT # 82014		08/04/2023	08/11/2023	08/11/2023		08/28/2023	50.00
							Account 53130 - General Association Dues Totals		Invoice Transactions 1	<u>\$50.00</u>
Account 60000 - Office Supplies										
12287 - Century Springs/Ove Water Services	2134711	Office Supplies	Paid by EFT # 81673		07/31/2023	08/01/2023	08/01/2023		08/14/2023	2.99
12287 - Century Springs/Ove Water Services	2136887	Office Supplies	Paid by EFT # 81673		07/28/2023	08/04/2023	08/04/2023		08/14/2023	10.58
							Account 60000 - Office Supplies Totals		Invoice Transactions 2	<u>\$13.57</u>
							Sub-Department 140 - County Auditor Totals		Invoice Transactions 5	<u>\$83.47</u>
							Department 140 - County Auditor Totals		Invoice Transactions 5	<u>\$83.47</u>
							Fund 001 - General Fund Totals		Invoice Transactions 9	<u>\$437.13</u>
							Grand Totals		Invoice Transactions 9	<u>\$437.13</u>

**Kane County Purchasing Card Information
Finance & Budget Committee
August 2023 Statement**

FINANCE DEPARTMENT			
Transaction Date	Merchant Name	Additional Information	Transaction Amount
8/17/2023	CA EDD PAYROLL TAX	SACRAMENTO	\$87.03
8/17/2023	OPC CA EDD PAYROLL TAX	NORCROSS	\$2.00
8/30/2023	CA EDD PAYROLL TAX	SACRAMENTO	\$87.03
8/30/2023	OPC CA EDD PAYROLL TAX	NORCROSS	\$2.00
Total:			\$178.06
PURCHASING DEPARTMENT			
Transaction Date	Merchant Name	Additional Information	Transaction Amount
8/30/2023	GOVERNMENT FINANCE OFF	3129779700	\$1,150.00
Total:			\$1,150.00
Total all:			\$1,328.06

SALES TAX ANALYSIS 2020-2023
001.000.000.30100

State Liability Month	State Collection Month	State Report (Voucher) Month	County Receipt Month	2020		2021		2022		2023	
					% Change 2019-2020		% Change 2020-2021		% Change 2021-2022		% Change 2022-2023
November *	December	January	February	1,390,496	0.56%	1,318,807	-5.16%	2,009,822	52.40%	2,122,090	5.59%
December	January	February	March	1,577,509	5.22%	1,659,281	5.18%	2,160,063	30.18%	2,286,576	5.86%
January	February	March	April	1,089,360	5.17%	1,261,639	15.81%	1,557,582	23.46%	1,696,112	8.89%
February	March	April	May	1,026,621	-2.61%	1,158,134	12.81%	1,540,077	32.98%	1,617,314	5.02%
March	April	May	June	1,064,716	-19.62%	1,764,507	65.73%	1,926,432	9.18%	1,943,466	0.88%
April	May	June	July	953,099	-29.23%	1,721,646	80.64%	1,973,489	14.63%	2,005,170	1.61%
May	June	July	August	1,211,800	-20.25%	1,954,697	61.31%	2,221,547	13.65%	2,242,419	0.94%
June	July	August	September	1,482,712	-3.08%	2,042,973	37.79%	2,219,008	8.62%	2,342,351	5.56%
July	August	September	October	1,490,272	-1.23%	1,923,011	29.04%	2,102,055	9.31%	-	-100.00%
August	September	October	November	1,430,709	-7.21%	1,948,129	36.17%	2,105,264	8.07%	-	-100.00%
September	October	November	December	1,461,709	4.34%	1,952,033	33.54%	2,115,797	8.39%	-	-100.00%
October	November	December	January	1,426,519	-0.33%	1,911,934	34.03%	2,134,071	11.62%	-	-100.00%
TOTAL				15,605,522	-5.85%	20,616,791	32.11%	24,065,209	16.73%	16,255,497	-32.45%

2023 YTD		15,608,022		16,255,497	4.15%
		647,476			
2023 Budget	24,700,000.00				
2023 Budget YTD	16,466,667	(211,170)	-1.28%		

Sales Tax payments are normally received the month following the state vouchers it.
The state vouchers collections it received the previous month.
The state collections are received the month after the underlying transaction (liability) occurred.

The state liability month is the basis of revenue recognition

*** Since November revenue was unavailable in previous FY it is added to current FY and current year November is excluded from current FY.**

STATE REIMBURSEMENTS RECEIVABLE
Total by Department as of 8.31.2023

Department	Revenue GL	Revenue Account Name	Payer	Aug-23	Jul-23	Jun-23	May-23	Apr-23	Mar-23	2/28/2023 and Older	Total	Notes
KDOT	XXX.520.000.37XXX	Various Reimbursements	IDOT	\$ 76,805	\$ 10,179	\$ -	\$ 60,074	\$ 5,312	\$ -	\$ -	\$ 152,370	Misc Billing Invoice Aging Report at 8.31.2023
Public Defender	001.360.000.37050	Public Defender Salary Reimbursement	State of Illinois	\$ 9,871	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,871	Per reimbursement analysis
Public Defender	001.360.000.37610	Public Defender SVP Expense Reimburesment	State of Illinois	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000	Per Finance estimate
Judiciary	001.240.000.37630	Interpreter Service Reimb	State of Illinois	\$ 39,000	\$ 39,000	\$ 42,336	\$ -	\$ -	\$ -	\$ -	\$ 120,336	Per State Comptroller
Court Services	001.430.000.37080	Probation Salary Reimbursement	State of Illinois	\$ 534,107	\$ 534,107	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,068,215	Per Finance estimate
Supervisor of Assessments	001.170.000.37020	Supervisor of Assessment Salary Reimbursement	State of Illinois	\$ 5,936	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,936	Per reimbursement analysis
Kane Comm	269.425.000.37070	Cell 911 Surcharge Reimbursement	State of Illinois	\$ 43,000	\$ 43,000	\$ 43,000	\$ 43,000	\$ -	\$ -	\$ -	\$ 172,000	Exact amount is unknown until reimbursement is received; average is \$43,000.
Health Department	35X.580.000.3XXXX	Various Grants & Reimbursements	State of Illinois	\$ 38,239	\$ 46,104	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 84,343	Per Kinnell Snowden
State's Attorney Office	001.300.000.37030	State's Attorney's Salary Reimbursement	State of Illinois	\$ 16,744	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,744	Per reimbursement analysis
State's Attorney Office	Various	AG VCVA	State of Illinois	\$ (3,426)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,426)	Per SAO
State's Attorney Office	Various	DCFS	State of Illinois	\$ (25,478)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (25,478)	Per SAO
State's Attorney Office	Various	AG CAC	State of Illinois	\$ (20,650)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,650)	Per SAO
State's Attorney Office	Various	CACI	State of Illinois	\$ 49,386	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49,386	Per SAO
TOTAL				\$ 766,533	\$ 672,391	\$ 85,336	\$ 103,074	\$ 5,312	\$ -	\$ -	\$ 1,632,645.52	

STATE OF ILLINOIS)
)
) SS.
)
COUNTY OF KANE)

PRESENTATION/DISCUSSION NO. TMP-23-1323
FY24 FINANCE BUDGET PRESENTATION

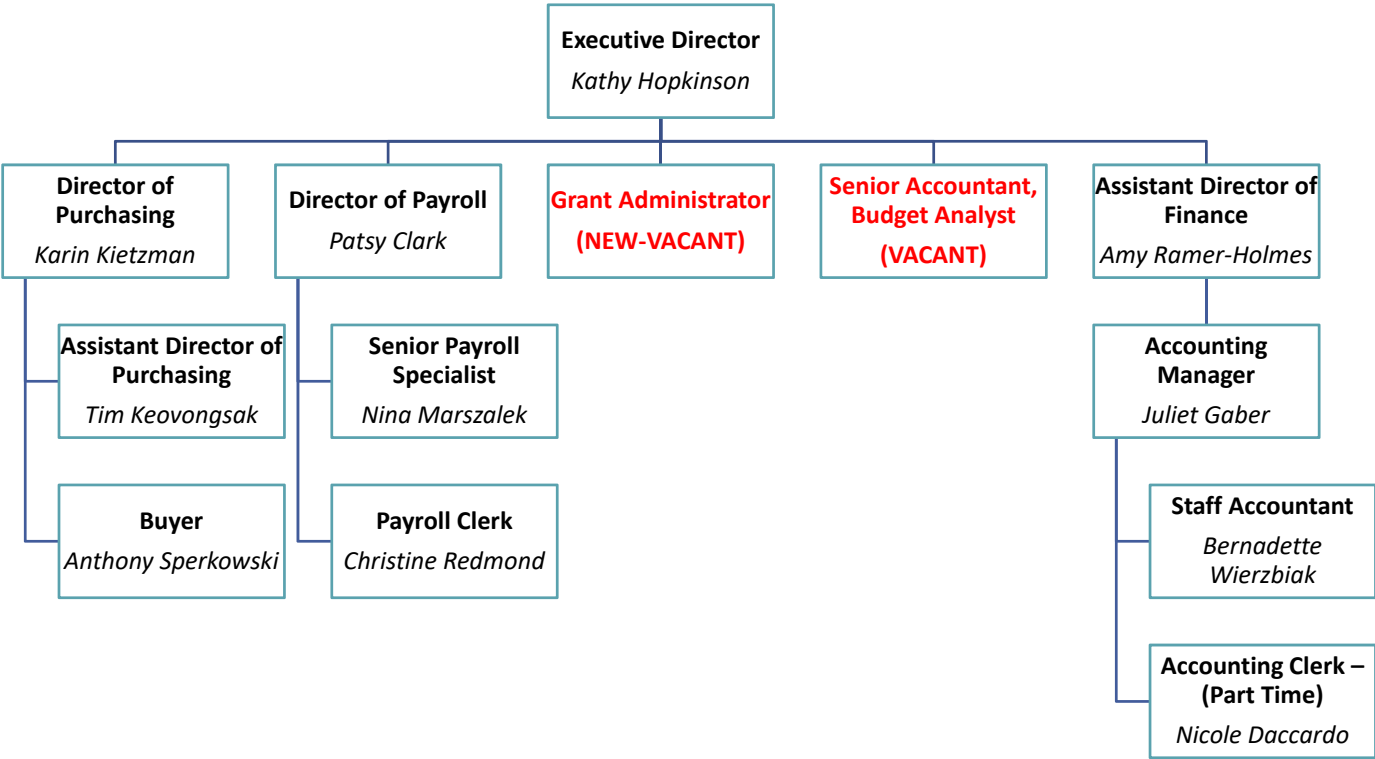
Kane County

2024 Budget Presentation for the Finance Department

FINANCE COMMITTEE

SEPTEMBER 27, 2023

Finance Department



Finance – key responsibilities

- Annual Audit
 - Annual Comprehensive Financial Report (ACFR)
 - Annual Financial Report (AFR)
 - Report on Federal Awards (Single Audit)
 - Illinois Grant Accountability and Transparency Act (GATA) – Consolidated Year-End Financial Report (CYEFR)
- Budgetary
 - Annual Budget and tax levy
 - Budget Policies
 - Supplemental budget adjustments and transfers
- Financial Performance
 - Financial Policies
 - Monthly budget to actual reports
 - Long-range forecasting and financial plans
- Accounting Systems
 - Maintenance of County’s financial systems, processes, and procedures
 - Reconciliation of accounting system account balances with Treasurer’s records
 - End of year IRS Form 1099 processing
- Debt Management

Purchasing – key responsibilities

- Compliance:
 - Purchasing in conformance with the Kane County Purchasing Ordinance and Illinois Compiled Statutes
 - Writing bid specifications and requests for proposal (RFP)
 - Overseeing vendor selection process
 - Contract vetting process
- Purchasing systems
 - Maintenance of electronic bid system – BidNet – facilitating vendor response
 - Administration of procurement card (P-Card) system
 - Contract expiration and renewals

Payroll – key responsibilities

- Compliance
 - Process payroll for approximately 1,300 employees, including 15 separate bargaining units and election workers, in accordance with federal and state laws and regulations
 - Assure proper tax treatment, accounting, and calculation of withholdings
 - Process all quarterly and annual Federal and State tax filings
- Systems
 - Maintains payroll and position modules in financial management system
 - Maintain time and attendance systems, i.e. Novatime
 - Process all new hire, transfer, and termination paperwork
- Customer Service
 - Respond to all incoming calls from County departments for assistance

Proposed – Grant Administrator – key responsibilities

- Grant Writing
 - Apply for Federal, State, and foundation grants with an initial focus on serving the Development, Environmental Management and Water Resources, and Health Departments
 - Investigate, research, and analyze legislation relating to various grant programs
- Grant Administration
 - Maintain a system for tracking the life cycle of grants
 - Assist in the development of internal control and compliance systems to ensure grant expenditures are made in accordance with applicable requirements
 - File grant regulatory and other financial performance reports
 - Assist with annual audit of Federal awards

Finance Department – Budget Comparison

	2022 Actual	2023 Budget	2023 Forecast	2024 First Review	2024 Second Review	Difference		
<i>Salaries and Wages</i>	\$ 943,884	\$1,093,215	\$ 971,686	\$ 923,714	\$1,077,714	\$154,000*		
<i>Contractual Services</i>								
Annual Audit	121,737	136,824	103,250	120,420	145,420	25,000	*Position	Budget
Actuarial & Accounting	1,050	20,800	27,718	6,142	20,300	14,158	Grant Administrator	\$ 80,000
Copiers	966	1,925	391	1,000	1,000		Accountant–Budget	65,000
Printing	72	256	55	256	256		Interns	9,000
Conferences	2,270	5,000	3,056	10,000	10,000			\$ 154,000
Employee Training	565	7,052	598	8,002	15,142	7,140		
Mileage	257	313	0	300	300			
General Association Dues	4,879	5,737	4,238	6,787	10,021	3,234		
<i>Commodities</i>								
Supplies	4,731	5,544	3,720	5,544	5,544			
Total	\$ 1,080,811	\$ 1,276,666	\$ 1,114,712	\$ 1,082,165	\$ 1,285,697	\$ 203,532		

Kane County

Finance Committee

SEPTEMBER 27, 2023

Finance Department

	# of Position Titles	2024 Second Review
Positions - Filled	11	\$ 923,714
Positions - Vacant	2	145,000
Positions - Vacant - Intern	1	9,000
Total	14	\$ 1,077,714



FY24 GF First Level Budget Detail - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
REVENUE								
Department 040 - Finance								
Sub-Department 000 - Revenues								
001.040.000.38565	Rebates	.00	6,826.86	.00	8,250.76	5,000.00	5,000.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Fifth Third Bank Rebate					1.0000	5,000.00	5,000.00
							First Review Budget Totals	\$5,000.00
Sub-Department 000 - Revenues Totals		\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$0.00
Department 040 - Finance Totals		\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$0.00
REVENUE TOTALS		\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$0.00
EXPENSE								
Department 040 - Finance								
Sub-Department 040 - Finance								
001.040.040.40000	Salaries and Wages	744,960.57	789,410.37	943,884.39	724,754.31	519,120.00	923,714.00	404,594.00
Position Transactions								
<i>Level</i>	<i>Position</i>							<i>Total Amount</i>
First Review Budget	904011001 - Executive Director							157,500.00
First Review Budget	904011002 - Director of Purchasing							94,554.00
First Review Budget	904011010 - Accounting Manager							94,501.00
First Review Budget	904012003 - Asst Director of Purchasing							77,251.00
First Review Budget	904012006 - Director of Payroll Services							117,301.00
First Review Budget	904016004 - Staff Accountant							70,000.00
First Review Budget	904016005 - Assistant Director of Finance							115,001.00
First Review Budget	904016016 - Payroll Specialist							69,001.00
First Review Budget	904016606 - Buyer							61,800.00
First Review Budget	904016610 - Payroll Clerk							44,809.00
First Review Budget	904016612 - Accounting Clerk							21,996.00
							First Review Budget Totals	\$923,714.00
001.040.040.40002	Non-Union Wage Increase	.00	.00	.00	.00	31,934.00	.00	(31,934.00)
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Accrual on FY23 Non Union Wage increases					.0030	31,838.00	96.00
First Review Budget	Finance: Remove FY23 NU Wage Inc/Accrual					1.0000	(31,934.00)	(31,934.00)
First Review Budget	FY23 Non Union Wage Increases					1.0000	31,838.00	31,838.00
							First Review Budget Totals	\$0.00
001.040.040.40040	Lump Sum Distribution	.00	20,139.00	.00	.00	.00	.00	.00



FY24 GF First Level Budget Detail - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
EXPENSE								
Department 040 - Finance								
Sub-Department 040 - Finance								
001.040.040.45000	Healthcare Contribution	168,058.44	171,747.69	226,094.81	150,739.19	287,067.00	.00	(287,067.00)
001.040.040.45010	Dental Contribution	4,126.52	4,713.25	5,421.02	3,598.16	6,506.00	.00	(6,506.00)
001.040.040.50130	Certified Audit Contract	98,978.00	114,436.00	121,737.00	103,250.00	129,324.00	120,420.00	(8,904.00)
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	FY23 Audit Services per Contracted Price					1.0000	120,420.00	120,420.00
							First Review Budget Totals	\$120,420.00
001.040.040.50150	Contractual/Consulting Services	2,925.00	4,118.10	1,050.00	27,718.12	3,300.00	6,142.00	2,842.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Accounting Consulting Services					1.0000	5,842.00	5,842.00
First Review Budget	Menard Consulting-OPEB Actuarial Evaluation-FY 23 Roll-Forward					1.0000	300.00	300.00
							First Review Budget Totals	\$6,142.00
001.040.040.52140	Repairs and Maint- Copiers	766.67	1,112.52	965.93	391.08	1,925.00	1,000.00	(925.00)
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Impact Networking - Copier					1.0000	500.00	500.00
First Review Budget	Toshiba Copier					1.0000	500.00	500.00
							First Review Budget Totals	\$1,000.00
001.040.040.53050	Employment Advertising	.00	400.00	400.00	250.00	.00	.00	.00
001.040.040.53060	General Printing	356.38	.00	.00	54.97	.00	.00	.00
001.040.040.53070	Legal Printing	464.60	237.20	71.60	.00	256.00	256.00	.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Legal Notice Regarding Availability of ACFR					1.0000	36.50	37.00
First Review Budget	Legal Notice Regarding RFP's handled by Finance					6.0000	36.50	219.00
							First Review Budget Totals	\$256.00



FY24 GF First Level Budget Detail - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
EXPENSE								
Department 040 - Finance								
Sub-Department 040 - Finance								
001.040.040.53100	Conferences and Meetings	.00	.00	2,269.54	3,056.47	5,000.00	10,000.00	5,000.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	NWS Conference (for Payroll or Finance)					4.0000	2,500.00	10,000.00
							First Review Budget Totals	\$10,000.00
001.040.040.53110	Employee Training	514.00	1,745.00	565.00	598.00	7,052.00	8,002.00	950.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	GFOA Annual Government Update (4 CPE)					5.0000	135.00	675.00
First Review Budget	IAPPO Training - Local					2.0000	150.00	300.00
First Review Budget	IAPPO Training - Springfield					1.0000	150.00	150.00
First Review Budget	IAPPO Training - Springfield hotel					1.0000	250.00	250.00
First Review Budget	IAPPO Training - Springfield meals					1.0000	77.00	77.00
First Review Budget	IGFOA Audit and Accounting Updates					2.0000	750.00	1,500.00
First Review Budget	ILCPAS training					3.0000	750.00	2,250.00
First Review Budget	NIGP Local Training					2.0000	400.00	800.00
First Review Budget	Other Compliance Training (1099, etc...)					1.0000	500.00	500.00
First Review Budget	Payroll Training					3.0000	500.00	1,500.00
							First Review Budget Totals	\$8,002.00
001.040.040.53120	Employee Mileage Expense	8.20	65.29	257.40	.00	313.00	300.00	(13.00)
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Employee mileage reimbursement					1.0000	300.00	300.00
							First Review Budget Totals	\$300.00
001.040.040.53130	General Association Dues	4,275.00	4,942.21	4,878.50	4,238.00	5,737.00	6,787.00	1,050.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	AICPA Membership					1.0000	750.00	750.00
First Review Budget	American Payroll Association					3.0000	262.00	786.00
First Review Budget	Fox Valley Payroll Association					3.0000	50.00	150.00
First Review Budget	GFOA (Government Finance Officers Association) membership fee					1.0000	1,775.00	1,775.00
First Review Budget	GFOA Certificate of Excellence in Financial Reporting Program					1.0000	1,150.00	1,150.00
First Review Budget	GFOA Distinguished Budget Presentation Program					1.0000	725.00	725.00



FY24 GF First Level Budget Detail - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
EXPENSE								
Department 040 - Finance								
Sub-Department 040 - Finance								
	First Review Budget					3.0000	45.00	135.00
	First Review Budget					1.0000	300.00	300.00
	First Review Budget					3.0000	45.00	135.00
	First Review Budget					2.0000	95.00	190.00
	First Review Budget					1.0000	196.00	196.00
	First Review Budget					1.0000	495.00	495.00
						First Review Budget Totals		\$6,787.00
001.040.040.60000	Office Supplies	2,065.90	2,364.22	2,648.71	1,713.91	2,944.00	2,944.00	.00
	Budget Transactions							
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
	First Review Budget					12.0000	37.00	444.00
	First Review Budget					1.0000	2,500.00	2,500.00
						First Review Budget Totals		\$2,944.00
001.040.040.60020	Computer Related Supplies	1,900.10	2,120.80	2,082.04	2,005.78	2,600.00	2,600.00	.00
	Budget Transactions							
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
	First Review Budget					1.0000	600.00	600.00
	First Review Budget					1.0000	2,000.00	2,000.00
						First Review Budget Totals		\$2,600.00
001.040.040.60040	Postage	306.10	.00	.00	.00	.00	.00	.00
	Sub-Department 040 - Finance Totals	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$79,087.00
	Department 040 - Finance Totals	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$79,087.00
	EXPENSE TOTALS	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$79,087.00
	Fund 001 - General Fund Totals							
	REVENUE TOTALS	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$0.00
	EXPENSE TOTALS	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$79,087.00
	Fund 001 - General Fund Totals	(\$1,029,705.48)	(\$1,110,724.79)	(\$1,312,325.94)	(\$1,014,117.23)	(\$998,078.00)	(\$1,077,165.00)	(\$79,087.00)
	Net Grand Totals							
	REVENUE GRAND TOTALS	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$0.00
	EXPENSE GRAND TOTALS	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$79,087.00
	Net Grand Totals	(\$1,029,705.48)	(\$1,110,724.79)	(\$1,312,325.94)	(\$1,014,117.23)	(\$998,078.00)	(\$1,077,165.00)	(\$79,087.00)



FY24 GF Second Level Budget Detail - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
REVENUE									
Department 040 - Finance									
Sub-Department 000 - Revenues									
Other									
001.040.000.38565	Rebates	.00	6,826.86	.00	8,250.76	5,000.00	5,000.00	10,000.00	5,000.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
Second Review Budget	JP Morgan Chase Bank Signing Fee Deposit					1.0000	10,000.00	10,000.00	
						Second Review Budget Totals		\$10,000.00	
	<i>Other Totals</i>	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
Sub-Department 000 - Revenues Totals		\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
Department 040 - Finance Totals		\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
	REVENUE TOTALS	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
EXPENSE									
Department 040 - Finance									
Sub-Department 040 - Finance									
Personnel Services- Salaries & Wages									
Regular Employees									
001.040.040.40000	Salaries and Wages	744,960.57	789,410.37	943,884.39	724,754.31	519,120.00	923,714.00	1,077,714.00	154,000.00
Position Transactions									
<i>Level</i>	<i>Position</i>							<i>Total Amount</i>	
Second Review Budget	904011001 - Executive Director							157,500.00	
Second Review Budget	904011002 - Director of Purchasing							94,554.00	
Second Review Budget	904011010 - Accounting Manager							94,501.00	
Second Review Budget	904012003 - Asst Director of Purchasing							77,251.00	
Second Review Budget	904012006 - Director of Payroll Services							117,301.00	
Second Review Budget	904012008 - Grant Administrator							80,000.00	
Second Review Budget	904016004 - Staff Accountant							70,000.00	
Second Review Budget	904016005 - Assistant Director of Finance							115,001.00	
Second Review Budget	904016006 - ZZZ Vacant Budget Analyst							65,000.00	
Second Review Budget	904016016 - Payroll Specialist							69,001.00	
Second Review Budget	904016606 - Buyer							61,800.00	
Second Review Budget	904016610 - Payroll Clerk							44,809.00	
Second Review Budget	904016612 - Accounting Clerk							21,996.00	
Second Review Budget	904016613 - Intern							9,000.00	
								Second Review Budget Totals	
								\$1,077,714.00	
001.040.040.40040	Lump Sum Distribution	.00	20,139.00	.00	.00	.00	.00	.00	.00
	<i>Regular Employees Totals</i>	\$744,960.57	\$809,549.37	\$943,884.39	\$724,754.31	\$519,120.00	\$923,714.00	\$1,077,714.00	\$154,000.00



FY24 GF Second Level Budget Detail - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 040 - Finance									
Sub-Department 040 - Finance									
Personnel Services- Salaries & Wages									
Other									
001.040.040.40002	Non-Union Wage Increase	.00	.00	.00	.00	31,934.00	.00	.00	.00
	<i>Other Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$31,934.00	\$0.00	\$0.00	\$0.00
	<i>Personnel Services- Salaries & Wages Totals</i>	\$744,960.57	\$809,549.37	\$943,884.39	\$724,754.31	\$551,054.00	\$923,714.00	\$1,077,714.00	\$154,000.00
<i>Personnel Services- Employee Benefits</i>									
<i>Group Insurance</i>									
001.040.040.45000	Healthcare Contribution	168,058.44	171,747.69	226,094.81	150,739.19	287,067.00	.00	.00	.00
001.040.040.45010	Dental Contribution	4,126.52	4,713.25	5,421.02	3,598.16	6,506.00	.00	.00	.00
	<i>Group Insurance Totals</i>	\$172,184.96	\$176,460.94	\$231,515.83	\$154,337.35	\$293,573.00	\$0.00	\$0.00	\$0.00
	<i>Personnel Services- Employee Benefits Totals</i>	\$172,184.96	\$176,460.94	\$231,515.83	\$154,337.35	\$293,573.00	\$0.00	\$0.00	\$0.00
<i>Contractual Services</i>									
<i>Purchased Professional and Technical Services</i>									
<i>Professional</i>									
001.040.040.50130	Certified Audit Contract	98,978.00	114,436.00	121,737.00	103,250.00	129,324.00	120,420.00	145,420.00	25,000.00
<i>Budget Transactions</i>									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	20,000.00	20,000.00	
	Second Review Budget					1.0000	120,420.00	120,420.00	
	Second Review Budget					1.0000	5,000.00	5,000.00	
						<i>Second Review Budget Totals</i>		<u>\$145,420.00</u>	
001.040.040.50150	Contractual/Consulting Services	2,925.00	4,118.10	1,050.00	27,718.12	3,300.00	6,142.00	20,300.00	14,158.00
<i>Budget Transactions</i>									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	20,000.00	20,000.00	
	Second Review Budget					1.0000	300.00	300.00	
						<i>Second Review Budget Totals</i>		<u>\$20,300.00</u>	
	<i>Professional Totals</i>	\$101,903.00	\$118,554.10	\$122,787.00	\$130,968.12	\$132,624.00	\$126,562.00	\$165,720.00	\$39,158.00
	<i>Purchased Professional and Technical Services Totals</i>	\$101,903.00	\$118,554.10	\$122,787.00	\$130,968.12	\$132,624.00	\$126,562.00	\$165,720.00	\$39,158.00



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Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 040 - Finance									
Sub-Department 040 - Finance									
Contractual Services									
Purchased Property Services									
Repair and Maintenance Services									
001.040.040.52140	Repairs and Maint- Copiers	766.67	1,112.52	965.93	391.08	1,925.00	1,000.00	1,000.00	.00
Budget Transactions									
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget		Impact Networking - Copier		1.0000		500.00		500.00	
Second Review Budget		Toshiba Copier		1.0000		500.00		500.00	
						Second Review Budget Totals		\$1,000.00	
<i>Repair and Maintenance Services Totals</i>		\$766.67	\$1,112.52	\$965.93	\$391.08	\$1,925.00	\$1,000.00	\$1,000.00	\$0.00
<i>Purchased Property Services Totals</i>		\$766.67	\$1,112.52	\$965.93	\$391.08	\$1,925.00	\$1,000.00	\$1,000.00	\$0.00
<i>Other Purchased Services</i>									
<i>Advertising</i>									
001.040.040.53050	Employment Advertising	.00	400.00	400.00	250.00	.00	.00	.00	.00
		<i>Advertising Totals</i>		\$0.00	\$400.00	\$400.00	\$250.00	\$0.00	\$0.00
<i>Printing and Binding</i>									
001.040.040.53060	General Printing	356.38	.00	.00	54.97	.00	.00	.00	.00
001.040.040.53070	Legal Printing	464.60	237.20	71.60	.00	256.00	256.00	256.00	.00
Budget Transactions									
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget		Legal Notice Regarding Availability of ACFR		1.0000		36.50		37.00	
Second Review Budget		Legal Notice Regarding RFP's handled by Finance		6.0000		36.50		219.00	
						Second Review Budget Totals		\$256.00	
<i>Printing and Binding Totals</i>		\$820.98	\$237.20	\$71.60	\$54.97	\$256.00	\$256.00	\$256.00	\$0.00
<i>Travel</i>									
001.040.040.53100	Conferences and Meetings	.00	.00	2,269.54	3,056.47	5,000.00	10,000.00	10,000.00	.00
Budget Transactions									
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget		NWS Conference (for Payroll or Finance)		4.0000		2,500.00		10,000.00	
						Second Review Budget Totals		\$10,000.00	



FY24 GF Second Level Budget Detail - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 040 - Finance									
Sub-Department 040 - Finance									
Contractual Services									
Other Purchased Services									
Travel									
001.040.040.53110	Employee Training	514.00	1,745.00	565.00	598.00	7,052.00	8,002.00	15,142.00	7,140.00
Budget Transactions									
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget	GFOA Annual Government Update (4 CPE)				6.0000	135.00		810.00	
Second Review Budget	GFOA Webinars				120.0000	35.00		4,200.00	
Second Review Budget	IAPPO Training - Local				2.0000	150.00		300.00	
Second Review Budget	IAPPO Training - Springfield				1.0000	150.00		150.00	
Second Review Budget	IAPPO Training - Springfield hotel				1.0000	250.00		250.00	
Second Review Budget	IAPPO Training - Springfield meals				1.0000	77.00		77.00	
Second Review Budget	IGFOA Audit and Accounting Updates				2.0000	750.00		1,500.00	
Second Review Budget	ILCPAS training				3.0000	750.00		2,250.00	
Second Review Budget	NIGP Airfare Approx				1.0000	425.00		425.00	
Second Review Budget	NIGP Forum Hotel Approx				3.0000	179.00		537.00	
Second Review Budget	NIGP Forum Meals				3.0000	77.00		231.00	
Second Review Budget	NIGP Forum Registration				1.0000	1,022.00		1,022.00	
Second Review Budget	NIGP Forum Transportation To/From Airport				2.0000	45.00		90.00	
Second Review Budget	NIGP Local Training				2.0000	400.00		800.00	
Second Review Budget	Other Compliance Training (1099, etc...)				1.0000	500.00		500.00	
Second Review Budget	Payroll Training				4.0000	500.00		2,000.00	
								Second Review Budget Totals	\$15,142.00
001.040.040.53120	Employee Mileage Expense	8.20	65.29	257.40	.00	313.00	300.00	300.00	.00
Budget Transactions									
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget	Employee mileage reimbursement				1.0000	300.00		300.00	
								Second Review Budget Totals	\$300.00
<i>Travel Totals</i>		\$522.20	\$1,810.29	\$3,091.94	\$3,654.47	\$12,365.00	\$18,302.00	\$25,442.00	\$7,140.00
<i>Other</i>									
001.040.040.53130	General Association Dues	4,275.00	4,942.21	4,878.50	4,238.00	5,737.00	6,787.00	10,021.00	3,234.00
Budget Transactions									
<i>Level Transaction</i>				<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>	
Second Review Budget	AICPA Membership				3.0000	750.00		2,250.00	



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Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 040 - Finance									
Sub-Department 040 - Finance									
Contractual Services									
Other Purchased Services									
Other									
Second Review Budget	American Payroll Association					3.0000	300.00	900.00	
Second Review Budget	Fox Valley Payroll Association					3.0000	50.00	150.00	
Second Review Budget	GFOA (Government Finance Officers Association) membership fee					1.0000	1,775.00	1,775.00	
Second Review Budget	GFOA Certificate of Excellence in Financial Reporting Program					1.0000	1,500.00	1,500.00	
Second Review Budget	GFOA Distinguished Budget Presentation Program					1.0000	725.00	725.00	
Second Review Budget	IAPPO (Illinois Associatio of Public Procurement Officials)					3.0000	45.00	135.00	
Second Review Budget	IGFOA Membership					1.0000	500.00	500.00	
Second Review Budget	IGFOA Membership discounted after first					2.0000	100.00	200.00	
Second Review Budget	IL CPA Society Membership					3.0000	300.00	900.00	
Second Review Budget	MAPP (Midwest Association of Public Procurement)					3.0000	45.00	135.00	
Second Review Budget	NIGP (National Institute of Governmental Purchasing) addl member					2.0000	80.00	160.00	
Second Review Budget	NIGP (National Institute of Governmental Purchasing) base member					1.0000	196.00	196.00	
Second Review Budget	NIGP 5 Digit Commodity Code Software License					1.0000	495.00	495.00	
Second Review Budget Totals								\$10,021.00	
<i>Other Totals</i>		\$4,275.00	\$4,942.21	\$4,878.50	\$4,238.00	\$5,737.00	\$6,787.00	\$10,021.00	\$3,234.00
<i>Other Purchased Services Totals</i>		\$5,618.18	\$7,389.70	\$8,442.04	\$8,197.44	\$18,358.00	\$25,345.00	\$35,719.00	\$10,374.00
<i>Contractual Services Totals</i>		\$108,287.85	\$127,056.32	\$132,194.97	\$139,556.64	\$152,907.00	\$152,907.00	\$202,439.00	\$49,532.00
<i>Commodities</i>									
<i>General Supplies</i>									
001.040.040.60000	Office Supplies	2,065.90	2,364.22	2,648.71	1,713.91	2,944.00	2,944.00	2,944.00	.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
Second Review Budget	Drinking Water - Century Springs					12.0000	37.00	444.00	
Second Review Budget	Office Supplies (printer cartridges, paper, folders, pens, marke					1.0000	2,500.00	2,500.00	
Second Review Budget Totals								\$2,944.00	
001.040.040.60020	Computer Related Supplies	1,900.10	2,120.80	2,082.04	2,005.78	2,600.00	2,600.00	2,600.00	.00
Budget Transactions									
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
Second Review Budget	Tax Forms (1099)					1.0000	600.00	600.00	



FY24 GF Second Level Budget Detail - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 040 - Finance									
Sub-Department 040 - Finance									
Commodities									
General Supplies									
	Second Review Budget					1,000.00	2,000.00	2,000.00	
	Tax Forms (W2)								
						Second Review Budget Totals		\$2,600.00	
001.040.040.60040	Postage	306.10	.00	.00	.00	.00	.00	.00	.00
	<i>General Supplies Totals</i>	\$4,272.10	\$4,485.02	\$4,730.75	\$3,719.69	\$5,544.00	\$5,544.00	\$5,544.00	\$0.00
	<i>Commodities Totals</i>	\$4,272.10	\$4,485.02	\$4,730.75	\$3,719.69	\$5,544.00	\$5,544.00	\$5,544.00	\$0.00
	Sub-Department 040 - Finance Totals	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00
	Department 040 - Finance Totals	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00
	EXPENSE TOTALS	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00
Fund 001 - General Fund Totals									
	REVENUE TOTALS	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
	EXPENSE TOTALS	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00
Fund 001 - General Fund Totals		(\$1,029,705.48)	(\$1,110,724.79)	(\$1,312,325.94)	(\$1,014,117.23)	(\$998,078.00)	(\$1,077,165.00)	(\$1,275,697.00)	(\$198,532.00)
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
	EXPENSE GRAND TOTALS	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00
	Net Grand Totals	(\$1,029,705.48)	(\$1,110,724.79)	(\$1,312,325.94)	(\$1,014,117.23)	(\$998,078.00)	(\$1,077,165.00)	(\$1,275,697.00)	(\$198,532.00)



FY24 GF Budget Summary Second Level - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 001 - General Fund									
REVENUE									
Department 040 - Finance									
Sub-Department 000 - Revenues									
Other									
001.040.000.38565	Rebates	.00	6,826.86	.00	8,250.76	5,000.00	5,000.00	10,000.00	5,000.00
	<i>Other Totals</i>	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
	Sub-Department 000 - Revenues Totals	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
	Department 040 - Finance Totals	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
	REVENUE TOTALS	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
EXPENSE									
Department 040 - Finance									
Sub-Department 040 - Finance									
Personnel Services- Salaries & Wages									
Regular Employees									
001.040.040.40000	Salaries and Wages	744,960.57	789,410.37	943,884.39	724,754.31	519,120.00	923,714.00	1,077,714.00	154,000.00
001.040.040.40040	Lump Sum Distribution	.00	20,139.00	.00	.00	.00	.00	.00	.00
	<i>Regular Employees Totals</i>	\$744,960.57	\$809,549.37	\$943,884.39	\$724,754.31	\$519,120.00	\$923,714.00	\$1,077,714.00	\$154,000.00
	Other								
001.040.040.40002	Non-Union Wage Increase	.00	.00	.00	.00	31,934.00	.00	.00	.00
	<i>Other Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$31,934.00	\$0.00	\$0.00	\$0.00
	<i>Personnel Services- Salaries & Wages Totals</i>	\$744,960.57	\$809,549.37	\$943,884.39	\$724,754.31	\$551,054.00	\$923,714.00	\$1,077,714.00	\$154,000.00
Personnel Services- Employee Benefits									
Group Insurance									
001.040.040.45000	Healthcare Contribution	168,058.44	171,747.69	226,094.81	150,739.19	287,067.00	.00	.00	.00
001.040.040.45010	Dental Contribution	4,126.52	4,713.25	5,421.02	3,598.16	6,506.00	.00	.00	.00
	<i>Group Insurance Totals</i>	\$172,184.96	\$176,460.94	\$231,515.83	\$154,337.35	\$293,573.00	\$0.00	\$0.00	\$0.00
	<i>Personnel Services- Employee Benefits Totals</i>	\$172,184.96	\$176,460.94	\$231,515.83	\$154,337.35	\$293,573.00	\$0.00	\$0.00	\$0.00
Contractual Services									
Purchased Professional and Technical Services									
Professional									
001.040.040.50130	Certified Audit Contract	98,978.00	114,436.00	121,737.00	103,250.00	129,324.00	120,420.00	145,420.00	25,000.00
001.040.040.50150	Contractual/Consulting Services	2,925.00	4,118.10	1,050.00	27,718.12	3,300.00	6,142.00	20,300.00	14,158.00
	<i>Professional Totals</i>	\$101,903.00	\$118,554.10	\$122,787.00	\$130,968.12	\$132,624.00	\$126,562.00	\$165,720.00	\$39,158.00
	<i>Purchased Professional and Technical Services Totals</i>	\$101,903.00	\$118,554.10	\$122,787.00	\$130,968.12	\$132,624.00	\$126,562.00	\$165,720.00	\$39,158.00
Purchased Property Services									
Repair and Maintenance Services									
001.040.040.52140	Repairs and Maint- Copiers	766.67	1,112.52	965.93	391.08	1,925.00	1,000.00	1,000.00	.00



FY24 GF Budget Summary Second Level - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 001 - General Fund									
EXPENSE									
Department 040 - Finance									
Sub-Department 040 - Finance									
Contractual Services									
Purchased Property Services									
Repair and Maintenance Services									
	Repair and Maintenance Services Totals	\$766.67	\$1,112.52	\$965.93	\$391.08	\$1,925.00	\$1,000.00	\$1,000.00	\$0.00
	Purchased Property Services Totals	\$766.67	\$1,112.52	\$965.93	\$391.08	\$1,925.00	\$1,000.00	\$1,000.00	\$0.00
Other Purchased Services									
Advertising									
001.040.040.53050	Employment Advertising	.00	400.00	400.00	250.00	.00	.00	.00	.00
	Advertising Totals	\$0.00	\$400.00	\$400.00	\$250.00	\$0.00	\$0.00	\$0.00	\$0.00
Printing and Binding									
001.040.040.53060	General Printing	356.38	.00	.00	54.97	.00	.00	.00	.00
001.040.040.53070	Legal Printing	464.60	237.20	71.60	.00	256.00	256.00	256.00	.00
	Printing and Binding Totals	\$820.98	\$237.20	\$71.60	\$54.97	\$256.00	\$256.00	\$256.00	\$0.00
Travel									
001.040.040.53100	Conferences and Meetings	.00	.00	2,269.54	3,056.47	5,000.00	10,000.00	10,000.00	.00
001.040.040.53110	Employee Training	514.00	1,745.00	565.00	598.00	7,052.00	8,002.00	15,142.00	7,140.00
001.040.040.53120	Employee Mileage Expense	8.20	65.29	257.40	.00	313.00	300.00	300.00	.00
	Travel Totals	\$522.20	\$1,810.29	\$3,091.94	\$3,654.47	\$12,365.00	\$18,302.00	\$25,442.00	\$7,140.00
Other									
001.040.040.53130	General Association Dues	4,275.00	4,942.21	4,878.50	4,238.00	5,737.00	6,787.00	10,021.00	3,234.00
	Other Totals	\$4,275.00	\$4,942.21	\$4,878.50	\$4,238.00	\$5,737.00	\$6,787.00	\$10,021.00	\$3,234.00
	Other Purchased Services Totals	\$5,618.18	\$7,389.70	\$8,442.04	\$8,197.44	\$18,358.00	\$25,345.00	\$35,719.00	\$10,374.00
	Contractual Services Totals	\$108,287.85	\$127,056.32	\$132,194.97	\$139,556.64	\$152,907.00	\$152,907.00	\$202,439.00	\$49,532.00
Commodities									
General Supplies									
001.040.040.60000	Office Supplies	2,065.90	2,364.22	2,648.71	1,713.91	2,944.00	2,944.00	2,944.00	.00
001.040.040.60020	Computer Related Supplies	1,900.10	2,120.80	2,082.04	2,005.78	2,600.00	2,600.00	2,600.00	.00
001.040.040.60040	Postage	306.10	.00	.00	.00	.00	.00	.00	.00
	General Supplies Totals	\$4,272.10	\$4,485.02	\$4,730.75	\$3,719.69	\$5,544.00	\$5,544.00	\$5,544.00	\$0.00
	Commodities Totals	\$4,272.10	\$4,485.02	\$4,730.75	\$3,719.69	\$5,544.00	\$5,544.00	\$5,544.00	\$0.00
	Sub-Department 040 - Finance Totals	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00
	Department 040 - Finance Totals	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00



FY24 GF Budget Summary Second Level - Finance

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 001 - General Fund									
	EXPENSE TOTALS	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00
Fund 001 - General Fund	Totals								
	REVENUE TOTALS	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
	EXPENSE TOTALS	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00
Fund 001 - General Fund	Totals	(\$1,029,705.48)	(\$1,110,724.79)	(\$1,312,325.94)	(\$1,014,117.23)	(\$998,078.00)	(\$1,077,165.00)	(\$1,275,697.00)	(\$198,532.00)
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$0.00	\$6,826.86	\$0.00	\$8,250.76	\$5,000.00	\$5,000.00	\$10,000.00	\$5,000.00
	EXPENSE GRAND TOTALS	\$1,029,705.48	\$1,117,551.65	\$1,312,325.94	\$1,022,367.99	\$1,003,078.00	\$1,082,165.00	\$1,285,697.00	\$203,532.00
	Net Grand Totals	(\$1,029,705.48)	(\$1,110,724.79)	(\$1,312,325.94)	(\$1,014,117.23)	(\$998,078.00)	(\$1,077,165.00)	(\$1,275,697.00)	(\$198,532.00)

STATE OF ILLINOIS)

SS.

COUNTY OF KANE)

REPORT NO. TMP-23-1314

MONTHLY REPORT (ATTACHED)



Office of the Kane County Auditor

PENNY WEGMAN, M.B.A

Kane County Auditor

719 S. Batavia Ave. Geneva, IL 60134
Phone: 630-232-5915

September 27th, 2023 Finance and Budget Committee Report

Announcements from the Auditor's Office

- Kane County Auditor's Hotline – This is a reminder that we have an Audit Hotline used for reporting fraud, waste or abuse and all information can be submitted anonymously and will remain confidential.
 - (630) 23-AUDIT (630-232-8348) or auditor@co.kane.il.us

- Attached is the Procurement Card Report for the August 2023 statement. We are now including the business purposes that the Departments and Offices are providing on their support.
 - Missing receipt affidavits: 12
 - Resolved affidavits: 1

- The Accounts Payable Activity Report for August 2023 is included in the packet.

- The Auditor's Quarterly Financial Report, for the first quarter of 2023 ended February 28th, 2023, and is on the County Auditor's website.

- The Auditor's Office is excited to announce the implementation of a New World P-card import feature. This is expected to go into effect this month.

Accounts Payable Claims Paid Report

The Accounts Payable Claims Paid Report for August 2023 details the 1,998 payments (including any void and re-issued checks) which were processed resulting in net payments of \$15,973,694.98.

The detailed report is included in the agenda packet.

Monthly Payroll Audit

The Auditor's Office reviewed 2,027 payroll records in the month of August.



OFFICE OF THE KANE COUNTY AUDITOR

Penny Wegman, Kane County Auditor

**August 2023 Statement
Procurement Card Activity Report**

Tom Laird
Deputy Auditor

Bob Quillinan
Danielle Hoffman
Staff Auditors

Jill Lombardi
Alexyia Martinez
Accounts Payable Specialists

719 S. Batavia Ave, Geneva, IL 60134
(630) 232-5915

Purchase Card- August 2023 Statement

Department	Merchant Name	Transaction Date	Transaction Amount	Business Purpose
Animal Control	MU CONFERENCE EVENTS	8/4/2023	1,950.00	Training
Animal Control	SAMS CLUB #4942	8/3/2023	244.86	Shelter supplies
Animal Control	FACEBK 7VFLRKHC2	8/4/2023	10	Advertising
Animal Control	AMZN MKTP US TH3FO52D0	8/2/2023	59.82	shelter supplies
Animal Control	FOX VALLEY ANIMAL WELF	8/2/2023	235	3x spray and 1x neuter
Animal Control	PAPA JOHN'S #2969	8/1/2023	39.95	National night out community event
Animal Control	WM SUPERCENTER #5352	7/28/2023	83.8	shelter supplies
Animal Control	FACEBK L9TLDT7HC2	7/25/2023	10	Advertising
Animal Control	AMZN MKTP US Q023B7H43	7/23/2023	64.99	Shelter supplies
Animal Control	WM SUPERCENTER #5352	7/20/2023	96.87	Shelter supplies
Animal Control	FOX VALLEY ANIMAL WELF	7/20/2023	135	None Stated
Animal Control	AMZN MKTP US XE00N6YD3	7/21/2023	276	Shelter supplies
Animal Control	FACEBK NT7PQDCHC2	7/15/2023	10	Advertising
Animal Control	4IMPRINT, INC	7/11/2023	1,332.08	marketing
Animal Control	FOX VALLEY ANIMAL WELF	7/11/2023	161	2x spray & b2x neuter
Animal Control	AMZN MKTP US W50R96BF3	7/9/2023	69.98	Shelter supplies
Animal Control	WAL-MART #5352	7/5/2023	154.41	Shelter supplies
Auditor	ILLINOIS GOVERNMENT FI	7/24/2023	50	Association dues
Building Management	PAYPAL QUALITYPLUM	7/26/2023	1,753.40	Parts for jail
Building Management	AMZN MKTP US TH5N71JQ1	7/31/2023	46.46	Cooling towels
Building Management	AMZN MKTP US TH0IT5Z62	7/28/2023	27.76	light replacement
Building Management	AMAZON.COM T66TU9BH0	7/25/2023	111.6	Track activities for building
Building Management	AMZN MKTP US T68SU4XU2	7/24/2023	177.59	Office equipment
Building Management	AMZN MKTP US R41HT9A53	7/23/2023	181.97	Tools
Building Management	AMZN MKTP US W608M8KB3	7/20/2023	21.34	Tree limb removal
Building Management	AMZN MKTP US WT58Q18P3	7/21/2023	130.24	To clean drain pan
Building Management	TRANE SUPPLY-112413	7/18/2023	73.62	None Stated
Building Management	AMZN MKTP US CF1AR3R63	7/19/2023	387	Install in building to deflect air
Building Management	AMZN MKTP US I00L67JD3	7/18/2023	325.96	Equipment repair to track operation
Building Management	AMZN MKTP US LE4726QP3	7/11/2023	15.06	None Stated
Building Management	HATFIELD & COMPANY INC	7/10/2023	2,182.60	Filter replacement for buildings
Building Management	UATTEND.COM	8/3/2023	181	Janitors time keeping
Building Management	WINDY CITY CLEANING EQ	8/2/2023	16,420.12	Power washers
Building Management	IL FIRE MARSHAL FEE	8/1/2023	1,866.06	Elevator inspection
Building Management	AMZN MKTP US TH3H21ZQ2	7/28/2023	24.68	Supplies
Building Management	FOX METRO WATER RECLAM	7/28/2023	185.25	Utility
Building Management	FOX METRO WATER RECLAM	7/28/2023	510.75	Utility
Building Management	UATTEND.COM	7/7/2023	181	Cleaning stuff time system
Building Management	THE HOME DEPOT #1964	7/6/2023	93.15	Drain concern mix
Circuit Clerk	SHORR PACKAGING CORP	7/31/2023	757	Boxes for archiving
Circuit Clerk	AMZN MKTP US TH5243261	8/3/2023	141.2	Civil desk / supplies
Circuit Clerk	AMAZON.COM TH9X64S00	8/2/2023	131.98	Office clock and hiring flag
Circuit Clerk	AMZN MKTP US	7/25/2023	-23.98	Refund
Circuit Clerk	AMZN MKTP US MK48G7QA3	7/24/2023	29.9	National night out

Circuit Clerk	AMZN MKTP US T65DX9XU0	7/24/2023	54.31	National night out
Circuit Clerk	AMZN MKTP US ML6DJ68S3	7/12/2023	66.71	OP supplies
Circuit Clerk	UIC CONTINUING ED	7/17/2023	350	Training
Community Reinvestment	AMZN MKTP US TA9KA7ZE2	8/4/2023	72.54	None stated
Community Reinvestment	AMZN MKTP US	8/4/2023	-32	Refund
Community Reinvestment	MICROSOFT 36	8/1/2023	1.99	None stated
Community Reinvestment	AMZN MKTP US TH4KY9292	8/1/2023	46.89	None stated
Community Reinvestment	BESTBUYCOM806778446453	7/19/2023	899.84	None stated
Coroner	THE HAIRY ANT	7/24/2023	289	Uniform supplies
Coroner	SP CHALLENGE COIN ST	7/18/2023	140	Operating supplies
Coroner	WRISTBANDBROS.COM	7/7/2023	290	Operating supplies
Coroner	TEMU.COM	7/6/2023	127	Operating supplies
Coroner	SAMSClub #6388	8/1/2023	134	Operating supplies
Coroner	PARTY CITY 5295	8/1/2023	13	Operating supplies
Coroner	HARNER S BAKERY	7/27/2023	31.04	Training
Coroner	WM SUPERCENTER #1814	7/27/2023	5.94	Vehicle repair
Coroner	BLOOMING COLOR	7/19/2023	102.03	Operating supplies
Coroner	IL TOLLWAY-AUTOREPLENI	7/18/2023	40	I-Pass
Coroner	AMZN MKTP US CF10G21R3	7/11/2023	15.97	Operating supplies
Coroner	AMZN MKTP US M67PH7613	7/7/2023	25.77	Operating supplies
Coroner	S0000190 GREASE MONKEY	7/5/2023	88.53	Vehicle repair
Coroner	TLO TRANSUNION	8/1/2023	75	Subscription
Coroner	DULUTH TRADING OUTLET	7/29/2023	260.33	Uniforms
Coroner	BVD BEENVERIFIED.COM	7/15/2023	9.95	Subscription
Coroner	CHICAGO TRIB SUBSCRIPT	7/11/2023	19.96	Subscription
County Clerk	CHICAGO TRIB SUBSCRIPT	7/27/2023	34	None stated
County Clerk	AMZN MKTP US 8X1457U93	7/10/2023	384.3	None stated
Court Services			478.97	ATSA Conference 2023
Court Services			478.97	ATSA Conference 2023
Court Services			478.97	ATSA Conference 2023
Court Services			478.97	ATSA Conference 2023
Court Services			478.97	ATSA Conference 2023
Court Services	AMAZON.COM TH5WV2OK1	7/29/2023	43.79	PREA books for the PREA Coordinator
Court Services			-8.48	Credit for incorrect charge on P card
Court Services	AMAZON.COM T69XS05E1	7/26/2023	37.18	Doctor ordered protein drink for resident with medical needs
Court Services	STANDARD WASH	7/26/2023	7	Car Wash for county cars
Court Services	NETFLIX.COM	7/27/2023	19.99	None Stated
Court Services	STANDARD WASH	7/26/2023	7	Car Wash for county cars
Court Services	PY COMMUNITY CRISIS C	7/25/2023	200	None Stated
Court Services	AMZN MKTP US T65SE1Q62	7/25/2023	37	Doctor ordered protein drink for resident with medical needs
Court Services	PY COMMUNITY CRISIS C	7/25/2023	200	None Stated
Court Services			80.5	None Stated
Court Services			890.48	PREA conference
Court Services			30	None Stated
Court Services			910.48	PREA conference
Court Services			30	None Stated
Court Services			8.48	PREA conference

Court Services	CURB WASH DC TAXI	7/21/2023	28.69	None Stated
Court Services			30	None Stated
Court Services			80.5	None Stated
Court Services			29.62	None Stated
Court Services			30	None Stated
Court Services	AMAZON.COM R65R45F23 A	7/16/2023	149.99	Replacement Vacuum for Unit 3
Court Services	MEIJER # 182	8/1/2023	34.83	DRC breakout session
Court Services	JIMMY JOHNS - 433 - MO	8/2/2023	76.99	Drug court Alumni group book club
Court Services	MEIJER # 182	7/31/2023	46.3	National night out
Court Services	CHIPOTLE 3849	8/1/2023	268	DRC breakout session
Court Services	LOVE'S #395	7/27/2023	40.06	Judicial college development training
Court Services			33.99	Judicial college development training
Court Services	BURGER KING #15868 Q07	7/26/2023	7.06	Judicial college development training
Court Services	BRIGHTSIDE	7/25/2023	208	None stated
Court Services	AMAZON.COM T647366M0	7/26/2023	97.62	None stated
Court Services	UBER TRIP	7/21/2023	102.31	None stated
Court Services	PURCHASED FROM APPA	7/20/2023	640	APPA conference
Court Services	PURCHASED FROM APPA	7/20/2023	640	APPA conference
Court Services	AMZN MKTP US 9P1B05EN3	7/20/2023	99.98	None stated
Court Services	AMZN MKTP US 4T69M2103	7/19/2023	14.95	Aurora roller kit
Court Services			286.8	APPA conference
Court Services			286.8	APPA conference
Court Services	WALGREENS #12772	7/17/2023	170	None stated
Court Services	KANECOUNTYCOUGARS-GROU	7/13/2023	120	DRC Alumni
Court Services	KANECOUNTYCOUGARS-GROU	7/6/2023	730	DRC Alumni
Court Services	KANECOUNTYCOUGARS-GROU	7/6/2023	-360	Refund
Court Services	UBER TRIP	7/7/2023	14.93	None stated
Court Services	MEIJER # 182	7/3/2023	60	Incentives
Court Services	AMZN MKTP US DC0207RE3	7/4/2023	599	None stated
Court Services	MEIJER # 182	7/3/2023	90	Incentives
Court Services			268.8	Leadership symposium
Court Services			268.8	Leadership symposium
Court Services	IL TOLLWAY-AUTOREPLENI	7/21/2023	20	None stated
Court Services	ATSA	7/13/2023	3,580.00	ATSA Conference
Court Services	VENTRA GROUP SALES WEB	7/12/2023	1,200.00	Probation bus passes
Court Services	JEWEL OSCO 3331	7/11/2023	15	Swearing in
Court Services			268.8	None stated
Court Services	AMZN MKTP US T64C61BE1	7/26/2023	170	Water filters for ice/water machine in JJC kitchen
Court Services	AMAZON.COM T66GP4SP2	7/26/2023	304.52	Popcorn machine for resident plus party incentive
Court Services	ACA - AMERICAN CORRECT	7/13/2023	99	None stated
Court Services	NPJS	7/13/2023	499	American Correctional association membership
Court Services	4IMPRINT, INC	7/11/2023	1,559.11	None stated
Development	HERITAGE PRAIRIE FARM	7/21/2023	515	Conference
Development	CSC SERVICEWORK	7/12/2023	2	Conference
Development	HERITAGE PRAIRIE FARM	7/7/2023	257.5	Conference
Development	EIG CONSTANTCONTACT.CO	7/29/2023	52	Monthly subscription
Development	ZOOM.US 888-799-9666	7/24/2023	15.99	Monthly video conference

Development	AMZN MKTP US DT1KY2PX3	7/10/2023	63.18	Office supplies
Environ Mgmt	WM SUPERCENTER #5352	8/1/2023	25.52	National night out
Environ Mgmt	CALL2RECYCLE	7/27/2023	925	Battery recycling boxes
Environ Mgmt	WM SUPERCENTER #5352	7/21/2023	143.06	Treats/breakfast recycling extra
Environ Mgmt	EZCATERLOU MALNATIS P	7/23/2023	396.93	Lunch for extravaganza
Environ Mgmt	JEWEL OSCO 3331	7/22/2023	8.12	Recycling estrange
Environ Mgmt	AMZN MKTP US VF07B35W3	7/16/2023	32.59	Toner for copier
Health	EB 2023 NSO NATIONAL	8/3/2023	533.72	National symposium for KCHD's program
Health	IL PUBLIC HEALTH ASSOC	8/1/2023	275	IPHA annual meeting conference
Health	POMPS TIRE 033	8/1/2023	659.84	Repair tries for county vehicle
Health	STARVED ROCK LODGE N C	8/1/2023	94.04	IPHA conference
Health	WALMART EGIFT CARD	7/28/2023	25	KCHD's program
Health	CHICAGO TRIB SUBSCRIPT	7/28/2023	19.96	KCHD's program
Health	WALMART EGIFT CARD	7/28/2023	25	KCHD's program
Health	AEDCENTER.COM	7/27/2023	199	EPI pens for CPR training
Health	AEDCENTER.COM	7/24/2023	2,572.15	Training for Adult, Infant, CPR valves and cat tourniquets
Health	TEXTEDLY	7/22/2023	468	Communication Platform for Opioid Task Force for KCHD's program
Health	TEXTEDLY	7/22/2023	7	Communication Platform for Opioid Task Force for KCHD's program
Health	HOLIDAY INNS	7/12/2023	95.2	KCHD's program
Health	HOLIDAY INNS	7/12/2023	95.2	KCHD's program
IT	ZOOM.US 888-799-9666	8/2/2023	40	Cloud storage for recorded zoom sessions
IT	GOOGLE LLC GSUITE_ICIM	8/1/2023	24	Google workspace subscriptions
IT	ZOOM.US 888-799-9666	7/27/2023	149.9	Zoom ine Pro annual renewal
IT	GOOGLE YOUTUBEPREMIUM	7/26/2023	11.99	YouTube subscriptions
IT	ZOOM.US 888-799-9666	7/24/2023	118.14	Additional zoom seats
IT	RAINFOCMWARE EXPLORE	7/24/2023	-1,495.00	Refund
IT	AMZN MKTP US P164510D3	7/17/2023	639.99	Outdoor security camera for SHF
IT	COMCAST CHICAGO	7/8/2023	95	Internet service
IT	AMZN MKTP US TA4BT8NX2	8/4/2023	36.79	Office supplies
IT	AMZN MKTP US TH4BR4JR1	7/31/2023	11.75	Office supplies
IT	AMZN MKTP US TH4907MP2	7/31/2023	15.67	Office supplies
IT	VENETIAN RESORT HOTEL AND CASINO	7/27/2023	180.27	Hotel reservation hold charge conference
IT	VENETIAN RESORT HOTEL AND CASINO	7/27/2023	180.27	Hotel reservation hold charge conference
IT	AMAZON.COM T64WP4Y92	7/27/2023	996.3	Computer related supplies- laptop
IT	CONTACT ONE CALL CENTE	7/25/2023	203.22	Call center- after hours support service
IT	TWILIO SV8J6V3S8L4DRMG	7/26/2023	90.32	Communication platform- court date
IT	AMAZON.COM 4V3PQ1H93 A	7/19/2023	1,240.00	Computer related supplies- headphones
IT	AMZN MKTP US SZ7T93EI3	7/19/2023	153.89	Computer related supplies- thermal compound paste
IT	AMZN MKTP US MK1032XI3	7/13/2023	4,729.39	Computer related supplies- webcams
IT	AMAZON.COM W92S90RV3	7/12/2023	169.99	Computer related supplies - internet
IT	AMAZON.COM X60LB15V3	7/13/2023	7,163.27	Computer related supplies- Microsoft laptop
IT	TWILIO SENDGRID	7/6/2023	19.95	Communications platform- court dates
IT	DNH GODADDY.COM	7/30/2023	23.17	Domain renewal
IT	DNH GODADDY.COM	7/25/2023	499.97	SSL renewal
IT	ATT BILL PAYMENT	7/25/2023	137.73	Internet
IT	COMCAST CHICAGO	7/25/2023	159.9	Comcast business internet
IT	COMCAST CHICAGO	7/23/2023	42.12	TV standard business video

IT	COMCAST CHICAGO	7/21/2023	159.9	Comcast business internet
IT	COMCAST CHICAGO	7/20/2023	159.9	Comcast business internet
IT	ATT BILL PAYMENT	7/17/2023	109.94	Internet for Mill Creek SSA office
IT	COMCAST CHICAGO	7/15/2023	154.9	Internet
IT	DNH GODADDY.COM	7/12/2023	199.98	SSL renewal
IT	COMCAST CHICAGO	7/12/2023	558.31	Tv limited basic service
IT	COMCAST CHICAGO	7/11/2023	159.9	Comcast business internet
IT	DNH GODADDY.COM	7/8/2023	177.36	Domain renewal
IT	DNH GODADDY.COM	7/6/2023	199.98	SSL renewal
IT	DNH GODADDY.COM	7/4/2023	22.17	Domain renewal
IT	DNH GODADDY.COM	7/30/2023	199.98	SSL renewal for remote court
IT	MEDIACOM BRO	7/13/2023	113.99	Internet services
IT	800.COM, LLC	7/10/2023	282.02	Monthly renewal payment for toll free number
IT	APPLE.COM/BILL	7/6/2023	0.99	iCloud + Subscriptions monthly
IT	AMAZON.COM T67FG0HA1	7/26/2023	48.22	Kane GIS supplies
IT	AMAZON.COM T68A80KJ2	7/26/2023	25.99	Kane GIS supplies
IT	IMAGE AWARDS AND ENGRA	7/25/2023	174.15	Staff awards DD & LC & SP
IT	AMZN MKTP US T67WK6D40	7/26/2023	7.89	Kane GIS supplies
Judiciary	TRIBUTE STORE FLOWERS	7/26/2023	117.93	Flowers for judges' wake
Judiciary	PARKWHIZ, INC.	7/20/2023	16.96	Parking for circuit chief judge's meeting
Judiciary	TLF FLOWERSHOPPING.COM	7/10/2023	213.97	Flowers for funeral
Judiciary	JUST KABOBS	7/6/2023	37.37	Lunch for EOOP clerks
Judiciary	AMZN MKTP US T63XJ7ID0	7/27/2023	59.96	Flash drives for court funds video project
Judiciary	AMZN MKTP US T69YJ8GC2	7/24/2023	57.99	Ear buds for interpreter division
Judiciary	TST NOTHING BUNDT CAK	7/21/2023	108	JJC probation office week
Judiciary	KANE COUNTY BAR ASSOCI	7/13/2023	140	KCBA dues for staff
KaneComm	SP 1800CEILING	8/2/2023	100.73	Blue light covers for communications center
KaneComm	IPSTA CONFERENCE	8/2/2023	175	Conference
KaneComm	IPSTA CONFERENCE	8/2/2023	175	Conference
KaneComm			175	Conference
KaneComm			303.59	Conference
KaneComm	APCO INTERNATIONAL INC	7/18/2023	32.7	New version of book
KaneComm	COMCAST CHICAGO	7/18/2023	17.91	None stated
KaneComm	APCO INTERNATIONAL INC	7/13/2023	389.13	Training
KaneComm	CURRITO BURRITO GENEVA	7/7/2023	58.56	Lunch on class - no break
KaneComm	EAST CHINA INN	7/7/2023	47.66	Lunch on class- no break
KaneComm	FS TYPINGMASTER	7/6/2023	49	None stated
Law Library	AMERICAN BAR ASSOCIATI	7/20/2023	100.9	None stated
Law Library	AMZN MKTP US EJ5I29Q23	7/23/2023	302.09	None stated
Law Library	AMZN MKTP US OB7MH8CE3	7/20/2023	0.91	None stated
Law Library	DATA TRACE PUBLISHING	7/20/2023	241.95	Books
Law Library	AMZN MKTP US CS75V65G3	7/13/2023	44.11	None stated
Law Library	AMZN MKTP US NQ7536K43	7/12/2023	46	None stated
Law Library	AMZN MKTP US GY95X6BE3	7/11/2023	43.99	None stated
Law Library	LIBRARYH3LP-NUB GAMES	7/7/2023	255	Website chat program
Payroll	OPC CA EDD PAYROLL TAX	8/2/2023	1.73	None stated
Payroll	CA EDD PAYROLL TAX	8/2/2023	75.07	None stated

Payroll	OPC CA EDD PAYROLL TAX	7/20/2023	2.95	None stated
Payroll	CA EDD PAYROLL TAX	7/20/2023	128.16	None stated
Payroll	CA EDD PAYROLL TAX	7/6/2023	114.33	None stated
Payroll	OPC CA EDD PAYROLL TAX	7/6/2023	2.63	None stated
Public Defender	ZOOM.US 888-799-9666	7/28/2023	15.99	Online conferencing
Public Defender	AMZN MKTP US	7/24/2023	-40.75	Returned toner cartridges
Public Defender	AMZN MKTP US O80B76TC3	7/24/2023	49.94	Office supplies
Public Defender	SQ AMY FENNEY - OFFIC	7/17/2023	192.12	Transcripts from DuPage to trial
Public Defender	AMZN MKTP US PB7O62483	7/14/2023	114.98	Ordered part for printer
Public Defender	NATIONAL ASSOCIATION O	7/13/2023	314	Attorney training
Public Defender	NATIONAL ASSOCIATION O	7/7/2023	314	Attorney training
Public Defender	MCLE BOARD	7/8/2023	300	Training
Purchasing	AMZN MKTP US TH5KO2NYO	7/29/2023	72.88	None stated
Purchasing	AMAZON.COM QL0I620B3	7/22/2023	19.94	None stated
Sheriff	CHARLIE FOXS PIZZA 1	8/3/2023	58.21	Payroll lunch meeting
Sheriff	COMCAST CHICAGO	8/4/2023	164.9	Substantial monthly subscription
Sheriff	POTBELLY # 17	7/18/2023	90.43	Finance lunch meeting
Sheriff	ANYPROMO.COM	7/18/2023	468.01	NNO- social worker swag
Sheriff	AMZN MKTP US 4W1A87YB3	7/16/2023	24.97	NNO- social worker swag
Sheriff	AMAZON.COM 327N01AY3 A	7/16/2023	25.98	NNO- social worker swag
Sheriff	AMZN MKTP US IX80U56M3	7/15/2023	25.98	Notary Stamps
Sheriff	INK TECHNOLOGIES LLC	7/12/2023	364	Ink cartridges
Sheriff	SMITHS DETECTION	7/11/2023	2,200.00	Disposal of X-ray machine
Sheriff	ADOBE ACROPRO SUBS	7/23/2023	21.24	Monthly subscription
Sheriff	ADOBE STOCK	7/23/2023	29.99	Monthly subscription
Sheriff	AMAZON.COM	7/19/2023	-31.47	Return/office supplies
Sheriff	AMAZON.COM	7/18/2023	-157.35	Return/office supplies
Sheriff	SQ LABOR ARBITRATION	7/14/2023	900	Conference registration
Sheriff	SQ LABOR ARBITRATION	7/14/2023	450	Conference registration
Sheriff	Q MART AIRPORT	7/12/2023	24.92	Rental vehicle fuel
Sheriff	TST SBARRO - SAN ANTO	7/13/2023	18.38	Prisoner meal
Sheriff	METERS SA-COSA PARKING	7/12/2023	3.75	Parking fee
Sheriff	METERS SA-COSA PARKING	7/12/2023	3.3	Parking fee
Sheriff	IN THE BLUE LINE	8/1/2023	298	Lateral Pub safety Ad
Sheriff	IN THE BLUE LINE	7/28/2023	298	Corrections Ad
Sheriff	AMZN MKTP US T69HC0S81	7/27/2023	38.97	Investigations supplies
Sheriff	DUNKIN #352571 Q35	7/27/2023	16.99	NNO snacks
Sheriff	AMZN MKTP US TH67J6OI2	7/28/2023	34.36	Sgts office nameplates
Sheriff	AMZN MKTP US T62AY1SF1	7/27/2023	124.37	Office supplies
Sheriff	AMZN MKTP US T664V99T1	7/28/2023	19.8	Onboarding office supplies
Sheriff	AMZN MKTP US TH0W01F82	7/28/2023	37.28	NNO laptop battery
Sheriff	PY THE HAIRY ANT INC	7/26/2023	144	NNO volunteers shirts
Sheriff	AMZN MKTP US 461S83BM3	7/25/2023	75.97	NNO signs and stamps
Sheriff	AMZN MKTP US T68IZ9XC2	7/24/2023	67.98	Pencils for NNO
Sheriff	AMZN MKTP US EB9MH9H13	7/24/2023	27.97	Supplies
Sheriff	AMZN MKTP US OY8B334E3	7/23/2023	46.04	NNO signs
Sheriff	TOWN & COUNTRY GARDENS	7/21/2023	212.98	Funeral flowers

Sheriff	OTC BRANDS INC	7/21/2023	106.98	NNO- glow necklace
Sheriff	COMCAST CHICAGO	7/23/2023	260.58	Investigations
Sheriff	CORNER BAKERY 0199	7/20/2023	317.2	KC specialty courts lunch
Sheriff	AMZN MKTP US Q20WD4DW3	7/17/2023	103.17	Supplies
Sheriff	AMZN MKTP US 4N2CQ1CX3	7/17/2023	94.2	Supplies
Sheriff	ILLINOIS SHERIFFS ASSO	7/13/2023	550	Conference
Sheriff	STK SHUTTERSTOCK	7/13/2023	29	Event banners artwork
Sheriff	ILLINOIS SHERIFFS ASSO	7/13/2023	550	Conference
Sheriff	ILLINOIS SHERIFFS ASSO	7/13/2023	550	Conference
Sheriff	ILLINOIS SHERIFFS ASSO	7/13/2023	550	Conference
Sheriff	DUNKIN #352571 Q35	7/10/2023	33.98	Promotion/swearing in food
Sheriff	COMCAST CHICAGO	7/6/2023	240.4	Investigations
Sheriff	PARTY CITY 5295	7/5/2023	80.88	Retirement/sympathy
Sheriff	N AMERICA RESCUE PRODU	8/1/2023	4,009.60	None stated
Sheriff	IN UNCONVENTIONAL EQU	7/19/2023	10,000.00	None stated
Sheriff	IN UNCONVENTIONAL EQU	7/19/2023	838.16	None stated
Sheriff	RECONYX	7/15/2023	5	None stated
Sheriff	BUONA ST CHARLES #17 M	8/3/2023	624.55	None stated
Sheriff	WAL-MART #1814	7/31/2023	9.64	None stated
Sheriff	AMZN MKTP US TH1394MR0	7/31/2023	610.96	None stated
Sheriff	POSITIVE PROMOTIONS	7/24/2023	919.77	None stated
Sheriff	SETON IDENTIFICATION P	7/22/2023	426.2	None stated
Sheriff	AMAZON.COM 1P0OV4YB3	7/19/2023	34.15	None stated
Sheriff	AMZN MKTP US KH8E95SQ3	7/19/2023	214.66	None stated
Sheriff	AMZN MKTP US	7/17/2023	-1.36	None stated
Sheriff	AMZN MKTP US LE73I6HK3	7/17/2023	49.33	None stated
Sheriff	AMZN MKTP US BY7NG76P3	7/9/2023	96.2	None stated
Sheriff			215.39	Extradition - hotel
Sheriff			215.39	Extradition - hotel
Sheriff			236.42	Extradition- Prisoner meal
Sheriff			20.4	Extradition-Car rental
Sheriff			221.15	Extradition - hotel
Sheriff			221.15	Extradition - hotel
Sheriff			667.8	Extradition - airfare
Sheriff			333.9	Extradition - airfare
Sheriff			667.8	Extradition - airfare
Sheriff	AMZN MKTP US TH93H4HO0	8/1/2023	86.38	Trailer supplies
Sheriff	US CARGO CONTROL	7/31/2023	302.42	Trailer supplies
Sheriff	US CARGO CONTROL	7/31/2023	190.24	Trailer supplies
Sheriff	AMZN MKTP US O99G91LK3	7/23/2023	359.7	Trailer supplies
Sheriff	AMZN MKTP US H65W96EW3	7/21/2023	14.8	Trailer supplies
Sheriff	AMZN MKTP US T124M6LZ3	7/18/2023	54.9	Trailer supplies
Sheriff	AMZN MKTP US B374O0PU3	7/13/2023	385.11	LIV power distribution
Sheriff	ELECDIRECT COM LLC	7/13/2023	948.28	LIV power distribution
Sheriff	ELECDIRECT COM LLC	7/10/2023	2,859.53	LIV power distribution
Sheriff	AMZN MKTP US MT5SM0J53	7/8/2023	349.99	OLD replacement
Sheriff	AMERICAN JAIL ASSOCIAT	8/2/2023	890	Course registration

Sheriff	AMERICAN JAIL ASSOCIAT	8/2/2023	505	Course registration
Sheriff	MEIJER # 182	8/1/2023	34.04	Retirement party pastries
Sheriff	DD/BR #352499	7/24/2023	29.98	Swearing-in ceremony
Sheriff	HOBBY-LOBBY #0197	7/21/2023	20.97	Shadow boxes for retirement gifts
Sheriff			114.24	Training conference
Sheriff	CFS FLOWERS AND GIFTS	7/14/2023	207.97	Flowers for Retired Sgt
Sheriff	CORNER BAKERY 0199	7/9/2023	43.98	Coffee cake for swearing in
Sheriff	IACP	8/2/2023	445	Conference
Sheriff	LLRMI	8/2/2023	2,200.00	Internal affairs certification
Sheriff			236.16	Information officers Assoc conference
Sheriff	IACP	8/1/2023	445	Conference
Sheriff			236.16	Information officers Assoc conference
Sheriff	IACP	8/2/2023	190	Conference
Sheriff			911.4	Crimes against children conference
Sheriff	SAFE KIDS WORLDWIDE	7/19/2023	55	Child passenger safety seat
Sheriff	CELLEBRITE INC.	7/17/2023	4,200.00	Celebrate certified operator & analysis registration
Sheriff	NASW-ILLINOIS CHAPTER	7/14/2023	100	Fundamentals of individual clinical
Sheriff	VANMETER & ASSOCIATES	7/14/2023	770	First-line supervision registration
Sheriff	WPY GRACIE UNIVERSITY	7/7/2023	1,200.00	Survival tactics instructor
Sheriff	AMZN MKTP US A477V1SO3	7/17/2023	23.58	None stated
Sheriff			239.63	Extradition- Hotel
Sheriff			239.63	Extradition- Hotel
Sheriff			367.9	Extradition- airfare
Sheriff			367.9	Extradition- airfare
Sheriff			367.9	Extradition- airfare
Sheriff			367.9	Extradition- airfare
Sheriff			367.9	Extradition- airfare
Sheriff			299.07	Extradition- car rental
Sheriff			211.6	Extradition- Hotel
Sheriff			241.04	Extradition- Hotel
Sheriff	POPEYES 13494	8/3/2023	11.68	Prisoner meal
Sheriff	BACHELOR THIRD ST LLC	8/2/2023	24	None stated
Sheriff	BURGER KING LIT	7/13/2023	17.08	Prisoner meal
Sheriff	SHELL OIL10005753016	7/13/2023	35.16	Rental fuel
Sheriff	THE HOME DEPOT #6923	8/1/2023	357.05	Canteen garden
Sheriff	THE HOME DEPOT #6923	8/1/2023	-3.28	Canteen garden/ refund
Sheriff	WAL-MART #1814	8/1/2023	25.92	None stated
Sheriff	WM SUPERCENTER #1814	7/31/2023	78.4	Candy for National night out
Sheriff	WAL-MART #1814	7/31/2023	20.96	water for pads of Elgin
Sheriff	EIG CONSTANTCONTACT.CO	7/25/2023	76	None stated
Sheriff	THE HOME DEPOT #6923	7/20/2023	46.95	Canteen garden
Sheriff	SQ AURORA REGIONAL FI	7/20/2023	500	Sponsorship fee
Sheriff	JEWEL OSCO 0362	7/17/2023	20.34	None stated
Sheriff	CORRECTIONAL COUNSELIN	7/5/2023	949.5	Training
Sheriff	GREAT LAKE LINE X	7/13/2023	2,145.00	None stated
Sheriff	IDI	8/2/2023	5.5	None stated
Sheriff	HAPPY TAILS RANCH	7/25/2023	51.5	K-9

Sheriff	BEST BUY MHT 00003152	7/7/2023	1,099.99	Investigations TV
Sheriff	IDI	7/7/2023	1.25	None stated
Sheriff			110.99	K-9 pick up
Sheriff			110.99	K-9 pick up
Sheriff	PET SUPPLIES PLUS 0238	7/28/2023	282.95	K-9 supplies
Sheriff	FARM & FLT OF MONTGOMR	7/26/2023	498	K-9 pick up
Sheriff			107.54	K-9 pick up
Sheriff			161.87	K-9 pick up
Sheriff	SUGAR GROVE ACE	7/11/2023	19.42	Mouse trap for sub station
Sheriff	AMZN MKTP US TA1LY3LT2	8/3/2023	15.82	None stated
Sheriff	AMAZON.COM NE2H93NW3 A	7/21/2023	82.04	None stated
Sheriff	AMZN MKTP US K374W3PR3	7/7/2023	85.31	None stated
Sheriff	AMZN MKTP US TH73L9G01	8/1/2023	227.98	Office supplies
Sheriff	AMZN MKTP US TH1CM2GT1	8/1/2023	146.89	Office supplies
Sheriff	MCALISTERS MM 1430	8/1/2023	173.19	Office lunch
Sheriff	AMZN MKTP US TH20W9FP0	7/28/2023	31.99	Office supplies
Sheriff	BEST VERSION MEDIA	7/21/2023	452.6	Subscription
Sheriff	BEST VERSION MEDIA	7/21/2023	353.56	Subscription
Sheriff	AMZN MKTP US YE2TS00A3	7/19/2023	59.75	Office supplies
Sheriff	JIMMY JOHNS - 433 - EC	7/14/2023	87.47	Office supplies
Sheriff	AMZN MKTP US KU5RN6JX3	7/15/2023	42.99	Office supplies
Sheriff	AMZN MKTP US 9B8VT6TK3	7/17/2023	509.96	Office lunch
Sheriff	AMAZON.COM MR73G8JU3	7/13/2023	63.02	Uniform
Sheriff	JIMMY JOHNS - 433 - EC	7/13/2023	87.47	Uniform
Sheriff	AMAZON.COM 9G3N74S03 A	7/13/2023	23.11	Office lunch
Sheriff	AMAZON.COM W14TD5Z93	7/9/2023	142.47	Chicken feed
Sheriff	TLO TRANSUNION	8/1/2023	341.4	Training fee
Sheriff	AMAZON.COM T60GU0961	7/28/2023	52.98	Training fee
Sheriff	PAYPAL DJI SERVICE	7/25/2023	104	Labels for label maker
Sheriff	RIVERSIDE PIZZA AND PU	7/24/2023	201	Foia request
Sheriff	AMAZON.COM B001C49C3	7/18/2023	50.97	MCTF lunch to be reimbursed
Sheriff	AMZN MKTP US YH1FQ4ME3	7/17/2023	21.88	Drone repair
Sheriff	ILLINOIS AVIATION ACAD	7/13/2023	97.8	Foia request
Sheriff	PSI SERVICES LLC	7/13/2023	175	Monthly inv. Tool
State's Attorney	AMZN MKTP US TH9ZY8KL1	8/3/2023	59.95	Operating supplies
State's Attorney	JEWEL OSCO 3331	8/1/2023	18.96	Operating supplies
State's Attorney	AMAZON.COM TH3YZ2ZB0 A	7/29/2023	41.9	Operating supplies
State's Attorney	AMAZON.COM T629B6W82	7/27/2023	550.4	Operating supplies
State's Attorney	AMAZON.COM T602S46A1	7/27/2023	359.94	Office supplies
State's Attorney	ILSOS INT VEH RENEWAL	7/26/2023	154.4	Vehicle
State's Attorney	PRIME VIDEO DM4D594Z3	7/23/2023	4.99	Operating supplies
State's Attorney	PRIME VIDEO C35YS8KW3	7/22/2023	14.09	Operating supplies
State's Attorney	AMZN MKTP US GQ2GF05B3	7/23/2023	95.94	Operating supplies
State's Attorney	AMAZON.COM PG1450LV3	7/22/2023	41.9	Office supplies
State's Attorney	VITALSCAN, LLC	7/18/2023	-378.01	Refund
State's Attorney	PANERA BREAD #204090 O	7/18/2023	284.45	Operating supplies
State's Attorney	DICK'S CLOTHING&SPORTI	7/14/2023	29.99	Operating supplies

State's Attorney			-182.9	Refund
State's Attorney			-182.9	Refund
State's Attorney			-27.9	Refund
State's Attorney			-27.9	Refund
State's Attorney	AMZN MKTP US R095T3ZT3	7/13/2023	57.54	Office supplies
State's Attorney			-27.9	Refund
State's Attorney			828.5	Conference
State's Attorney	AMZN MKTP US EB8EN6YS3	7/10/2023	368.93	Office supplies
State's Attorney	AMZN MKTP US GO98H2ZF3	7/10/2023	265.49	Office supplies
State's Attorney	SQ LABOR ARBITRATION	7/11/2023	450	Conference
State's Attorney	OFFICEMAX/DEPOT 6444	8/1/2023	163.13	OP supplies
State's Attorney	PARTY CITY 5295	8/1/2023	131	OP supplies
State's Attorney	PANERA BREAD #204090 O	7/21/2023	112	OP supplies
State's Attorney			1,191.12	Training
State's Attorney			10	Baggage fee/Conference
State's Attorney	AMAZON.COM	7/17/2023	-108.3	OP supplies
State's Attorney	AMAZON.COM	7/17/2023	-108.29	OP supplies
State's Attorney	AMAZON.COM	7/17/2023	-108.3	OP supplies
State's Attorney	AMAZON.COM	7/18/2023	-108.3	OP supplies
State's Attorney	AMAZON.COM	7/17/2023	-108.3	OP supplies
State's Attorney	AMAZON.COM	7/16/2023	-108.3	OP supplies
State's Attorney			10	Baggage fee/ conference
State's Attorney	ZOOM.US 888-799-9666	7/15/2023	15.99	Comp software
State's Attorney			-599.8	Flight Cancelled / conference
State's Attorney			40	Agent fee for airline ticket / conference
State's Attorney			516.4	Conference
State's Attorney	UBER TRIP	7/20/2023	13.75	Travel Cost
Transportation	EEOC MISCELLANEOUS COL	8/3/2023	590	Training
Transportation	WWW.ACECIL.ORG	8/2/2023	160	Membership due
Transportation	AMZN MKTP US TH3AW5GL0	7/31/2023	62.5	Office supplies
Transportation	AMZN MKTP US TH0AM25Q2	7/31/2023	62.92	Office supplies
Transportation	COMCAST CHICAGO	7/29/2023	189.9	Subscriptions
Transportation	GOTOCOM GOTOMEETING	7/29/2023	49	Meeting/conference
Transportation	WWW.ACECIL.ORG	7/28/2023	160	Membership due
Transportation	AMZN MKTP US T65B06R40	7/27/2023	29.37	Office supplies
Transportation	STAPLES INC 00209908	7/27/2023	-5.63	Building management parts
Transportation	SQ SMASH'D	7/26/2023	1,966.80	Meeting/conference
Transportation	STAPLES DIRECT	7/25/2023	95.69	Office supplies
Transportation	AMZN MKTP US T65263XX0	7/24/2023	139.98	Office supplies
Transportation	AMZN MKTP US YO9IW9VZ3	7/25/2023	57.7	Office supplies
Transportation	AMZN MKTP US KQ5KA6KJ3	7/23/2023	31.99	Office supplies
Transportation	EBAY O 10-10317-69524	7/21/2023	5.97	Equipment parts/supplies
Transportation	AMZN MKTP US T668Z8GI2	7/24/2023	38.78	Office supplies
Transportation	AMZN MKTP US N53H00SN3	7/23/2023	102.47	Office supplies
Transportation	AMZN MKTP US K82DU26U3	7/23/2023	128.14	Office supplies
Transportation	MEIJER # 182	7/20/2023	43.11	Conference/meeting
Transportation	MENARDS ELGIN IL	7/19/2023	81.38	Supplies

Transportation	ILLINOIS GOVERNMENT FI	7/18/2023	400	Employment Job search
Transportation	EBAY O 14-10304-75240	7/18/2023	30.17	Equipment parts/supplies
Transportation	PAYPAL GOVHR USA	7/18/2023	100	Employment Job search
Transportation	ZORO TOOLS INC	7/17/2023	52.25	Safety supplies
Transportation	ZORO TOOLS INC	7/17/2023	179	Safety supplies
Transportation	AMZN MKTP US 080LN9NZ3	7/17/2023	434.97	Equipment parts/supplies
Transportation	ZOOM.US 888-799-9666	7/17/2023	449.7	Equipment parts/supplies
Transportation	AMZN MKTP US 6103A5M63	7/16/2023	15.99	Office supplies
Transportation	EBAY O 12-10278-45291	7/11/2023	66.94	Vehicle parts/ supplies
Transportation	AMZN MKTP US DZ0UL2DN3	7/11/2023	18.53	Office supplies
Transportation	EBAY O 12-10278-45290	7/11/2023	49.73	Vehicle parts/ supplies
Transportation	AMZN MKTP US 7A6QO5J23	7/11/2023	176	Operating supplies
Transportation	AMZN MKTP US VD6JD0BB3	7/8/2023	58.12	Equipment parts/supplies
Transportation	AMZN MKTP US HW0EA3YR3	7/7/2023	165.44	Equipment parts/supplies
Transportation	AMZN MKTP US MF2UJ5GL3	7/6/2023	63.13	Equipment parts/supplies
Transportation	PAYPAL APAIL	7/6/2023	125	Employment Job search
Transportation	SQ SMASH'D	7/5/2023	200	Reservation fee
Veteran's Commission	AMZN MKTP US TH5WV2IAO	8/3/2023	38.99	None stated
Veteran's Commission	IN NATIONAL ASSOCIATI	7/17/2023	350	None stated
Water Resources	ASFFPM	7/25/2023	50	Association of state flood plain managers
Water Resources	IL TOLLWAY-AUTOREPLENI	7/12/2023	10	None stated
Workforce Development	AMZN MKTP US TH2RE3RW0	8/3/2023	34.99	Keyboard & mouse for assistant directory
Workforce Development	ADOBE ACROPRO SUBS	8/2/2023	193.04	Adobe license for new youth manager
Workforce Development	AMAZON.COM TH4VF22V0	8/2/2023	29.72	Picture hanger and batteries for one stop center
Workforce Development	WCI ACCURATEDOCDEST	8/2/2023	111.46	Monthly shredding
Workforce Development	LINKEDIN PRE 853419815	7/28/2023	239.88	Subscription renewal
Workforce Development	AMZN MKTP US T61061641	7/27/2023	94.91	File folder for youth pg., telephone plug
Workforce Development	SMASHBALLOON.COM - DE	7/26/2023	98	Subscription renewal
Workforce Development	EIG CONSTANTCONTACT.CO	7/18/2023	41	Monthly subscription for one stop center networking
Workforce Development	AWL PEARSON EDUCATION	7/14/2023	173.6	Tests for sub-recipients participants
Workforce Development	CASAS	7/11/2023	891.75	Tests for sub-recipients participants
Workforce Development	AMZN MKTP US VA3735BJ3	7/12/2023	383.99	Toners for fiscal office
Workforce Development	COMCAST CHICAGO	7/11/2023	557.12	Monthly internet service
Workforce Development	COMCAST CHICAGO	7/11/2023	179.95	Monthly internet service
Workforce Development	ATT BUS PHONE PMT	7/10/2023	48.73	Monthly service
Workforce Development	COMCAST CHICAGO	7/11/2023	329.7	Monthly internet service
Workforce Development	COMCAST CHICAGO	7/11/2023	169.9	Monthly internet service
Total		504	\$ 159,600.97	



OFFICE OF THE KANE COUNTY AUDITOR

Penny Wegman, Kane County Auditor

August 2023

Accounts Payable Activity Report

Tom Laird
Deputy Auditor

Bob Quillinan
Danielle Hoffman
Staff Auditors

Jill Lombardi
Alexyia Martinez
Accounts Payable Specialists

719 S. Batavia Ave, Geneva, IL 60134
(630) 232-5915

OFFICE OF THE KANE COUNTY AUDITOR

Penny Wegman, Kane County Auditor

Overview

Illinois Compiled Statutes Chapter 55 Act 5, Section 3 – 1005 (Duties of Auditor) indicate one of the Auditor's duties is an Audit of all claims against the county and recommend either the payment of or rejection of all claims presented.

Claims are submitted to the Auditor's Office by the various County Departments after the various Departments process and approve them for payment. Claims are reviewed and approved on a bi-weekly basis. The Kane County Auditor approves the bi-weekly schedule of expenditures for payment by the County Treasurer, subject to the County Treasurer's determination that the cash balance in each particular fund is sufficient for payment of the listed expenditures. Claims are reviewed for accuracy and completeness.

Claims may be for goods and services, reimbursements, or payments to entities that rely on funding from the County for their operations. Claims also include purchases made utilizing the County Purchase Card and Employee's Personal Expense Vouchers.

Each invoice presented by a vendor for payment must be clear and accurate, be free from mathematical and quantity errors and contain the following elements to facilitate efficient and effective payment processing: ***(This list is not all inclusive as contractual provisions or other requirements/circumstances may require additional information be provided)***

- Purchase follows Financial Policies and has Proper Approvals
- Name of vendor and "Remit To" address
- Vendor invoice number and date
- Description of goods/services delivered
- Quantity and unit price of item
- Extension on each line item
- Total amount due
- Payment due date
- Supporting documentation including detailed itemized receipts for all vendor or reimbursement requests

Invoices missing any required element are returned to the requesting departments for correction along with an email explaining the reason for the return.

OFFICE OF THE KANE COUNTY AUDITOR

Penny Wegman, Kane County Auditor

August 2023 Activity

August 2023 included two (2) check dates:

- August 14th
- August 28th

The Auditor’s Office approved the following number of invoices and total dollars for August 2023:

Payment Cycle	Normal Invoices	P-Card Invoices	Total Invoices	Total Dollar
8/14/2023	779	0	779	\$8,203,973.69
8/28/2023	861	504	1,365	\$8,283,788.77
Special Runs	23	0	23	\$2,093,175.91
August Total	1,663	504	2,167	\$18,580,938.37

Total amounts listed may include “Voided” invoices

During August 2023, the Auditor’s Office returned approximately 4.06% of the 2,167 claims submitted for payment, to the County Departments for correction.

Below is the summary of the Reasons for the Invoice Returns:

Reason for Invoice Return	Number of Invoices Returned			August Total
	8/14/2023	8/28/2023	Special Runs	
Incorrect Invoice #	15	11	0	26
Incorrect Invoice Date	4	3	0	7
Incorrect Remit Address	7	13	1	21
More support needed	1	15	0	16
Other	1	3	0	4
Paying Bank	11	0	0	11
Total incorrect	1	0	0	1
Duplicate Batch	0	1	0	1
Incorrect Calculations	0	1	0	1
Payment Cycle Total	40	47	1	88

OFFICE OF THE KANE COUNTY AUDITOR

Penny Wegman, Kane County Auditor

Fiscal Year 2023 To Date

The Auditor's Office approved the following number of invoices and total dollars in Fiscal Year (FY) 2023:

Month	Check Pay Dates	Normal Invoices	P-Card Invoices	Total Invoices	Total Dollar
December 2022	2	1,877	568	2,445	\$ 15,757,340
January 2023	3	2,414	981	3,395	\$ 20,090,246
February 2023	2	1,623	580	2,203	\$ 7,780,051
March 2023	2	1,668	417	2,085	\$ 9,506,171
April 2023	2	1,767	532	2,299	\$ 7,630,352
May 2023	2	1,791	575	2,366	\$ 14,790,089
June 2023	2	1,649	0	1,649	\$ 12,670,906
July 2023	3	2,403	1055	3,458	\$ 18,914,481
August 2023	2	1,663	504	2,167	\$ 18,580,938
FY 2023 Total	20	16,855	5,212	22,067	\$125,720,573

During Fiscal Year 2023 (9 Month Total), the Auditor's Office returned approximately 4.99% of the 22,067 claims submitted for payment, to the County Departments for correction.

STATE OF ILLINOIS)
 SS.
COUNTY OF KANE)

PRESENTATION/DISCUSSION NO. TMP-23-1321

FY24 AUDITOR BUDGET PRESENTATION



FY24 GF Budget Summary Second Level - Auditor

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 001 - General Fund									
EXPENSE									
Department 140 - County Auditor									
Sub-Department 140 - County Auditor									
Personnel Services- Salaries & Wages									
Regular Employees									
001.140.140.40000	Salaries and Wages	237,987.38	228,384.62	232,281.50	186,597.34	232,445.00	247,564.00	305,840.00	58,276.00
	<i>Regular Employees Totals</i>	<u>\$237,987.38</u>	<u>\$228,384.62</u>	<u>\$232,281.50</u>	<u>\$186,597.34</u>	<u>\$232,445.00</u>	<u>\$247,564.00</u>	<u>\$305,840.00</u>	<u>\$58,276.00</u>
	<i>Other</i>								
001.140.140.40002	Non-Union Wage Increase	.00	.00	.00	.00	4,663.00	.00	1.00	1.00
	<i>Other Totals</i>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$4,663.00</u>	<u>\$0.00</u>	<u>\$1.00</u>	<u>\$1.00</u>
	<i>Personnel Services- Salaries & Wages Totals</i>	<u>\$237,987.38</u>	<u>\$228,384.62</u>	<u>\$232,281.50</u>	<u>\$186,597.34</u>	<u>\$237,108.00</u>	<u>\$247,564.00</u>	<u>\$305,841.00</u>	<u>\$58,277.00</u>
<i>Personnel Services- Employee Benefits</i>									
<i>Group Insurance</i>									
001.140.140.45000	Healthcare Contribution	34,509.56	14,854.93	10,793.54	16,288.59	29,379.00	48,467.00	.00	(48,467.00)
001.140.140.45010	Dental Contribution	639.78	258.12	256.08	373.45	256.00	768.00	.00	(768.00)
	<i>Group Insurance Totals</i>	<u>\$35,149.34</u>	<u>\$15,113.05</u>	<u>\$11,049.62</u>	<u>\$16,662.04</u>	<u>\$29,635.00</u>	<u>\$49,235.00</u>	<u>\$0.00</u>	<u>(\$49,235.00)</u>
	<i>Personnel Services- Employee Benefits Totals</i>	<u>\$35,149.34</u>	<u>\$15,113.05</u>	<u>\$11,049.62</u>	<u>\$16,662.04</u>	<u>\$29,635.00</u>	<u>\$49,235.00</u>	<u>\$0.00</u>	<u>(\$49,235.00)</u>
<i>Contractual Services</i>									
<i>Purchased Professional and Technical Services</i>									
<i>Professional</i>									
001.140.140.50150	Contractual/Consulting Services	.00	.00	.00	.00	7,500.00	7,500.00	7,500.00	.00
	<i>Professional Totals</i>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$7,500.00</u>	<u>\$7,500.00</u>	<u>\$7,500.00</u>	<u>\$0.00</u>
<i>Technical</i>									
001.140.140.50340	Software Licensing Cost	.00	9.47	.00	.00	.00	.00	.00	.00
	<i>Technical Totals</i>	<u>\$0.00</u>	<u>\$9.47</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
	<i>Purchased Professional and Technical Services Totals</i>	<u>\$0.00</u>	<u>\$9.47</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$7,500.00</u>	<u>\$7,500.00</u>	<u>\$7,500.00</u>	<u>\$0.00</u>
<i>Purchased Property Services</i>									
<i>Repair and Maintenance Services</i>									
001.140.140.52140	Repairs and Maint- Copiers	239.90	131.01	212.95	64.56	400.00	400.00	400.00	.00
	<i>Repair and Maintenance Services Totals</i>	<u>\$239.90</u>	<u>\$131.01</u>	<u>\$212.95</u>	<u>\$64.56</u>	<u>\$400.00</u>	<u>\$400.00</u>	<u>\$400.00</u>	<u>\$0.00</u>
	<i>Purchased Property Services Totals</i>	<u>\$239.90</u>	<u>\$131.01</u>	<u>\$212.95</u>	<u>\$64.56</u>	<u>\$400.00</u>	<u>\$400.00</u>	<u>\$400.00</u>	<u>\$0.00</u>
<i>Other Purchased Services</i>									
<i>Travel</i>									
001.140.140.53100	Conferences and Meetings	.00	3,142.72	9,907.67	4,992.11	9,000.00	9,000.00	9,000.00	.00
001.140.140.53110	Employee Training	137.00	3,377.64	395.00	14.99	4,255.00	4,255.00	4,255.00	.00
001.140.140.53120	Employee Mileage Expense	.00	148.96	169.00	.00	512.00	512.00	512.00	.00
	<i>Travel Totals</i>	<u>\$137.00</u>	<u>\$6,669.32</u>	<u>\$10,471.67</u>	<u>\$5,007.10</u>	<u>\$13,767.00</u>	<u>\$13,767.00</u>	<u>\$13,767.00</u>	<u>\$0.00</u>



FY24 GF Budget Summary Second Level - Auditor

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Level
Fund 001 - General Fund									
EXPENSE									
Department 140 - County Auditor									
Sub-Department 140 - County Auditor									
Contractual Services									
Other Purchased Services									
Other									
001.140.140.53130	General Association Dues	2,459.20	1,491.25	1,620.00	1,140.00	2,155.00	2,155.00	2,155.00	.00
	<i>Other Totals</i>	\$2,459.20	\$1,491.25	\$1,620.00	\$1,140.00	\$2,155.00	\$2,155.00	\$2,155.00	\$0.00
	<i>Other Purchased Services Totals</i>	\$2,596.20	\$8,160.57	\$12,091.67	\$6,147.10	\$15,922.00	\$15,922.00	\$15,922.00	\$0.00
	<i>Contractual Services Totals</i>	\$2,836.10	\$8,301.05	\$12,304.62	\$6,211.66	\$23,822.00	\$23,822.00	\$23,822.00	\$0.00
<i>Commodities</i>									
<i>General Supplies</i>									
001.140.140.60000	Office Supplies	578.61	1,245.66	1,271.33	272.65	1,250.00	1,250.00	1,250.00	.00
001.140.140.60010	Operating Supplies	26.00	.00	.00	.00	.00	.00	.00	.00
001.140.140.60050	Books and Subscriptions	99.00	.00	.00	.00	.00	.00	.00	.00
	<i>General Supplies Totals</i>	\$703.61	\$1,245.66	\$1,271.33	\$272.65	\$1,250.00	\$1,250.00	\$1,250.00	\$0.00
	<i>Commodities Totals</i>	\$703.61	\$1,245.66	\$1,271.33	\$272.65	\$1,250.00	\$1,250.00	\$1,250.00	\$0.00
	Sub-Department 140 - County Auditor Totals	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
	Department 140 - County Auditor Totals	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
	EXPENSE TOTALS	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
	Fund 001 - General Fund Totals	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
	EXPENSE TOTALS	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
	Fund 001 - General Fund Totals	(\$276,676.43)	(\$253,044.38)	(\$256,907.07)	(\$209,743.69)	(\$291,815.00)	(\$321,871.00)	(\$330,913.00)	(\$9,042.00)
	Net Grand Totals								
	REVENUE GRAND TOTALS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	EXPENSE GRAND TOTALS	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
	Net Grand Totals	(\$276,676.43)	(\$253,044.38)	(\$256,907.07)	(\$209,743.69)	(\$291,815.00)	(\$321,871.00)	(\$330,913.00)	(\$9,042.00)



FY24 GF First Level Budget Detail - Auditor

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
EXPENSE								
Department 140 - County Auditor								
Sub-Department 140 - County Auditor								
001.140.140.40000	Salaries and Wages	237,987.38	228,384.62	232,281.50	186,597.34	232,445.00	247,564.00	15,119.00
Position Transactions								
<i>Level</i>	<i>Position</i>							<i>Total Amount</i>
First Review Budget	914011001 - Elected Official Auditor							88,214.00
First Review Budget	914012002 - Deputy Auditor							71,821.00
First Review Budget	914016004 - Staff Auditor							15,990.00
First Review Budget	914016006 - Staff Auditor							24,024.00
First Review Budget	914016010 - Accounts Payable Specialist							33,670.00
First Review Budget	914016011 - Accounts Payable Specialist							13,845.00
							First Review Budget Totals	\$247,564.00
001.140.140.40002	Non-Union Wage Increase	.00	.00	.00	.00	4,663.00	.00	(4,663.00)
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	Accrual on FY23 Non Union Wage Increase					.0030	4,649.00	14.00
First Review Budget	Finance: Remove FY23 NU Wage Inc/Accrual					1.0000	(4,663.00)	(4,663.00)
First Review Budget	FY23 Non Union Wage Increase					1.0000	4,649.00	4,649.00
							First Review Budget Totals	\$0.00
001.140.140.45000	Healthcare Contribution	34,509.56	14,854.93	10,793.54	16,288.59	29,379.00	48,467.00	19,088.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	(1) Wegman, Penny (From Finance)					1.0000	11,884.00	11,884.00
First Review Budget	Final Rate Adjustment per 8-10-22 HSC					1.0000	(1,593.00)	(1,593.00)
First Review Budget	Jillian Lombardi					1.0000	19,088.00	19,088.00
First Review Budget	Staff Auditor					1.0000	19,088.00	19,088.00
							First Review Budget Totals	\$48,467.00
001.140.140.45010	Dental Contribution	639.78	258.12	256.08	373.45	256.00	768.00	512.00
Budget Transactions								
<i>Level</i>	<i>Transaction</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
First Review Budget	(1) Wegman, Penny (Rate from Finance)					1.0000	256.00	256.00
First Review Budget	Lombardi, Jillian					1.0000	256.00	256.00
First Review Budget	Staff Auditor					1.0000	256.00	256.00
							First Review Budget Totals	\$768.00



FY24 GF First Level Budget Detail - Auditor

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
EXPENSE								
Department 140 - County Auditor								
Sub-Department 140 - County Auditor								
001.140.140.5150	Contractual/Consulting Services	.00	.00	.00	.00	7,500.00	7,500.00	.00
Budget Transactions								
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
	First Review Budget					1.0000	7,500.00	7,500.00
								<u>7,500.00</u>
						First Review Budget Totals		\$7,500.00
001.140.140.50340	Software Licensing Cost	.00	9.47	.00	.00	.00	.00	.00
001.140.140.52140	Repairs and Maint- Copiers	239.90	131.01	212.95	64.56	400.00	400.00	.00
Budget Transactions								
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
	First Review Budget					1.0000	400.00	400.00
								<u>400.00</u>
						First Review Budget Totals		\$400.00
001.140.140.53100	Conferences and Meetings	.00	3,142.72	9,907.67	4,992.11	9,000.00	9,000.00	.00
Budget Transactions								
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
	First Review Budget					1.0000	750.00	750.00
	First Review Budget					1.0000	750.00	750.00
	First Review Budget					1.0000	2,000.00	2,000.00
	First Review Budget					1.0000	2,750.00	2,750.00
	First Review Budget					1.0000	2,750.00	2,750.00
								<u>\$9,000.00</u>
						First Review Budget Totals		\$9,000.00
001.140.140.53110	Employee Training	137.00	3,377.64	395.00	14.99	4,255.00	4,255.00	.00
Budget Transactions								
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>
	First Review Budget					1.0000	855.00	855.00
	First Review Budget					20.0000	25.00	500.00
	First Review Budget					1.0000	1,400.00	1,400.00
	First Review Budget					1.0000	1,000.00	1,000.00
	First Review Budget					1.0000	500.00	500.00
								<u>\$4,255.00</u>
						First Review Budget Totals		\$4,255.00



FY24 GF First Level Budget Detail - Auditor

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	FY24 FRL less FY24 Submitted
Fund 001 - General Fund								
EXPENSE								
Department 140 - County Auditor								
Sub-Department 140 - County Auditor								
001.140.140.53120	Employee Mileage Expense	.00	148.96	169.00	.00	512.00	512.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		(1)Mileage		1.0000		512.00		512.00
First Review Budget Totals								\$512.00
001.140.140.53130	General Association Dues	2,459.20	1,491.25	1,620.00	1,140.00	2,155.00	2,155.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		(1) ACFE		1.0000		430.00		430.00
First Review Budget		(5) IGO		1.0000		250.00		250.00
First Review Budget		(6) IIA		1.0000		500.00		500.00
First Review Budget		(7) ILACA		1.0000		685.00		685.00
First Review Budget		ILCPA		1.0000		290.00		290.00
First Review Budget Totals								\$2,155.00
001.140.140.60000	Office Supplies	578.61	1,245.66	1,271.33	272.65	1,250.00	1,250.00	.00
Budget Transactions								
<i>Level</i>		<i>Transaction</i>		<i>Number of Units</i>		<i>Cost Per Unit</i>		<i>Total Amount</i>
First Review Budget		Office Supplies		1.0000		1,250.00		1,250.00
First Review Budget Totals								\$1,250.00
001.140.140.60010	Operating Supplies	26.00	.00	.00	.00	.00	.00	.00
001.140.140.60050	Books and Subscriptions	99.00	.00	.00	.00	.00	.00	.00
Sub-Department 140 - County Auditor Totals		\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$30,056.00
Department 140 - County Auditor Totals		\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$30,056.00
EXPENSE TOTALS		\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$30,056.00
Fund 001 - General Fund Totals		\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$30,056.00
EXPENSE TOTALS		\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$30,056.00
Fund 001 - General Fund Totals		(\$276,676.43)	(\$253,044.38)	(\$256,907.07)	(\$209,743.69)	(\$291,815.00)	(\$321,871.00)	(\$30,056.00)
Net Grand Totals								
REVENUE GRAND TOTALS		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
EXPENSE GRAND TOTALS		\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$30,056.00
Net Grand Totals		(\$276,676.43)	(\$253,044.38)	(\$256,907.07)	(\$209,743.69)	(\$291,815.00)	(\$321,871.00)	(\$30,056.00)



FY24 GF Second Level Budget Detail - Auditor

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 140 - County Auditor									
Sub-Department 140 - County Auditor									
Personnel Services- Salaries & Wages									
Regular Employees									
001.140.140.40000	Salaries and Wages	237,987.38	228,384.62	232,281.50	186,597.34	232,445.00	247,564.00	305,840.00	58,276.00
Position Transactions									
	<i>Level</i>							<i>Total Amount</i>	
	Second Review Budget							88,214.00	
	Second Review Budget							71,821.00	
	Second Review Budget							15,990.00	
	Second Review Budget							24,024.00	
	Second Review Budget							58,276.00	
	Second Review Budget							13,845.00	
	Second Review Budget							33,670.00	
								Second Review Budget Totals	\$305,840.00
	<i>Regular Employees Totals</i>	\$237,987.38	\$228,384.62	\$232,281.50	\$186,597.34	\$232,445.00	\$247,564.00	\$305,840.00	\$58,276.00
<i>Other</i>									
001.140.140.40002	Non-Union Wage Increase	.00	.00	.00	.00	4,663.00	.00	1.00	1.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	1.00	1.00	
								Second Review Budget Totals	\$1.00
	<i>Other Totals</i>	\$0.00	\$0.00	\$0.00	\$0.00	\$4,663.00	\$0.00	\$1.00	\$1.00
	<i>Personnel Services- Salaries & Wages Totals</i>	\$237,987.38	\$228,384.62	\$232,281.50	\$186,597.34	\$237,108.00	\$247,564.00	\$305,841.00	\$58,277.00
<i>Personnel Services- Employee Benefits</i>									
<i>Group Insurance</i>									
001.140.140.45000	Healthcare Contribution	34,509.56	14,854.93	10,793.54	16,288.59	29,379.00	48,467.00	.00	(48,467.00)
001.140.140.45010	Dental Contribution	639.78	258.12	256.08	373.45	256.00	768.00	.00	(768.00)
	<i>Group Insurance Totals</i>	\$35,149.34	\$15,113.05	\$11,049.62	\$16,662.04	\$29,635.00	\$49,235.00	\$0.00	(\$49,235.00)
	<i>Personnel Services- Employee Benefits Totals</i>	\$35,149.34	\$15,113.05	\$11,049.62	\$16,662.04	\$29,635.00	\$49,235.00	\$0.00	(\$49,235.00)



FY24 GF Second Level Budget Detail - Auditor

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 140 - County Auditor									
Sub-Department 140 - County Auditor									
Contractual Services									
Purchased Professional and Technical Services									
Professional									
001.140.140.50150	Contractual/Consulting Services	.00	.00	.00	.00	7,500.00	7,500.00	7,500.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	7,500.00	7,500.00	
								<u>7,500.00</u>	
						Second Review Budget Totals		<u>\$7,500.00</u>	
	<i>Professional Totals</i>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$7,500.00</u>	<u>\$7,500.00</u>	<u>\$7,500.00</u>	<u>\$0.00</u>
Technical									
001.140.140.50340	Software Licensing Cost	.00	9.47	.00	.00	.00	.00	.00	.00
	<i>Technical Totals</i>	<u>\$0.00</u>	<u>\$9.47</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
	<i>Purchased Professional and Technical Services Totals</i>	<u>\$0.00</u>	<u>\$9.47</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$7,500.00</u>	<u>\$7,500.00</u>	<u>\$7,500.00</u>	<u>\$0.00</u>
Purchased Property Services									
Repair and Maintenance Services									
001.140.140.52140	Repairs and Maint- Copiers	239.90	131.01	212.95	64.56	400.00	400.00	400.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	400.00	400.00	
								<u>400.00</u>	
						Second Review Budget Totals		<u>\$400.00</u>	
	<i>Repair and Maintenance Services Totals</i>	<u>\$239.90</u>	<u>\$131.01</u>	<u>\$212.95</u>	<u>\$64.56</u>	<u>\$400.00</u>	<u>\$400.00</u>	<u>\$400.00</u>	<u>\$0.00</u>
	<i>Purchased Property Services Totals</i>	<u>\$239.90</u>	<u>\$131.01</u>	<u>\$212.95</u>	<u>\$64.56</u>	<u>\$400.00</u>	<u>\$400.00</u>	<u>\$400.00</u>	<u>\$0.00</u>
Other Purchased Services									
Travel									
001.140.140.53100	Conferences and Meetings	.00	3,142.72	9,907.67	4,992.11	9,000.00	9,000.00	9,000.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	750.00	750.00	
								750.00	
	Second Review Budget					1.0000	750.00	750.00	
								750.00	
	Second Review Budget					1.0000	2,000.00	2,000.00	
								2,000.00	
	Second Review Budget					1.0000	2,750.00	2,750.00	
								2,750.00	
	Second Review Budget					1.0000	2,750.00	2,750.00	
								2,750.00	
						Second Review Budget Totals		<u>\$9,000.00</u>	



FY24 GF Second Level Budget Detail - Auditor

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 140 - County Auditor									
Sub-Department 140 - County Auditor									
Contractual Services									
Other Purchased Services									
Travel									
001.140.140.53110	Employee Training	137.00	3,377.64	395.00	14.99	4,255.00	4,255.00	4,255.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	855.00	855.00	
	Second Review Budget					20.0000	25.00	500.00	
	Second Review Budget					1.0000	1,400.00	1,400.00	
	Second Review Budget					1.0000	1,000.00	1,000.00	
	Second Review Budget					1.0000	500.00	500.00	
						Second Review Budget Totals		\$4,255.00	
001.140.140.53120	Employee Mileage Expense	.00	148.96	169.00	.00	512.00	512.00	512.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	512.00	512.00	
						Second Review Budget Totals		\$512.00	
	<i>Travel Totals</i>	\$137.00	\$6,669.32	\$10,471.67	\$5,007.10	\$13,767.00	\$13,767.00	\$13,767.00	\$0.00
<i>Other</i>									
001.140.140.53130	General Association Dues	2,459.20	1,491.25	1,620.00	1,140.00	2,155.00	2,155.00	2,155.00	.00
Budget Transactions									
	<i>Level</i>					<i>Number of Units</i>	<i>Cost Per Unit</i>	<i>Total Amount</i>	
	Second Review Budget					1.0000	430.00	430.00	
	Second Review Budget					1.0000	250.00	250.00	
	Second Review Budget					1.0000	500.00	500.00	
	Second Review Budget					1.0000	685.00	685.00	
	Second Review Budget					1.0000	290.00	290.00	
						Second Review Budget Totals		\$2,155.00	
	<i>Other Totals</i>	\$2,459.20	\$1,491.25	\$1,620.00	\$1,140.00	\$2,155.00	\$2,155.00	\$2,155.00	\$0.00
	<i>Other Purchased Services Totals</i>	\$2,596.20	\$8,160.57	\$12,091.67	\$6,147.10	\$15,922.00	\$15,922.00	\$15,922.00	\$0.00
	<i>Contractual Services Totals</i>	\$2,836.10	\$8,301.05	\$12,304.62	\$6,211.66	\$23,822.00	\$23,822.00	\$23,822.00	\$0.00



FY24 GF Second Level Budget Detail - Auditor

Budget Year 2024

G/L Account	Account Description	2020 Actual Amount	2021 Actual Amount	2022 Actual Amount	2023 Actual Amount	2024 Submitted Budget	2024 First Review Budget	2024 Second Review Budget	Change between 2nd and 1st Rev
Fund 001 - General Fund									
EXPENSE									
Department 140 - County Auditor									
Sub-Department 140 - County Auditor									
Commodities									
General Supplies									
001.140.140.60000	Office Supplies	578.61	1,245.66	1,271.33	272.65	1,250.00	1,250.00	1,250.00	.00
Budget Transactions									
	Level					Number of Units	Cost Per Unit	Total Amount	
	Second Review Budget					1.0000	1,250.00	1,250.00	
						Second Review Budget Totals		\$1,250.00	
001.140.140.60010	Operating Supplies	26.00	.00	.00	.00	.00	.00	.00	.00
001.140.140.60050	Books and Subscriptions	99.00	.00	.00	.00	.00	.00	.00	.00
	<i>General Supplies Totals</i>	\$703.61	\$1,245.66	\$1,271.33	\$272.65	\$1,250.00	\$1,250.00	\$1,250.00	\$0.00
	<i>Commodities Totals</i>	\$703.61	\$1,245.66	\$1,271.33	\$272.65	\$1,250.00	\$1,250.00	\$1,250.00	\$0.00
Sub-Department 140 - County Auditor	Totals	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
Department 140 - County Auditor	Totals	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
	EXPENSE TOTALS	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
Fund 001 - General Fund	Totals	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
Fund 001 - General Fund	Totals	(\$276,676.43)	(\$253,044.38)	(\$256,907.07)	(\$209,743.69)	(\$291,815.00)	(\$321,871.00)	(\$330,913.00)	(\$9,042.00)
	Net Grand Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	REVENUE GRAND TOTALS	\$276,676.43	\$253,044.38	\$256,907.07	\$209,743.69	\$291,815.00	\$321,871.00	\$330,913.00	\$9,042.00
	EXPENSE GRAND TOTALS	(\$276,676.43)	(\$253,044.38)	(\$256,907.07)	(\$209,743.69)	(\$291,815.00)	(\$321,871.00)	(\$330,913.00)	(\$9,042.00)
	Net Grand Totals	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Kane County

Finance Committee

SEPTEMBER 27, 2023

County Auditor

	2023		2024	
	# of Positions	2023 Current	# of Positions	2024 Second Review
Positions - Filled	6	\$247,564	5	\$ 233,719
Positions - Vacant	1		1	58,276
Positions - Vacant - Intern	1		1	13,845
Total	8	\$247,564	7	\$ 305,840



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No.

Approving August 2023 Claims Paid

Committee Flow: Finance and Budget Committee, Executive Committee, County Board

Contact: Penny Wegman, 630.232.5918

According to the Kane County Code Section 2-193 Expenditure of Funds for Settlement of Claims B. Monthly Reports On Claims: The county auditor shall file a monthly report of all claims paid in the prior month to the chairman and all other members of the county board. For each claim paid, the monthly report shall identify the claimant, the nature of the claim and the official or department, if any, against which the claim was made, the fund from which the payment was made, the amount of the payment and the date the check was issued.

Similarly according to the Kane County Financial Policies 8. Disbursement Policies b): A report shall be run monthly by the Auditor of all claims paid. Said report shall be available to all members of the County Board in the office of the County Board Chair. For each claim paid, the report shall identify the creditor, the department or official which purchased the product or service, the fund from which the payment was made, the amount of the payment and the date the check was issued.

The accompanying Report of Claims Paid is submitted to comply with those requirements, and to document that the County Board has approved the payment of those claims.

CLAIMS PAID REPORT AUGUST 2023 FOR COUNTY BOARD INFORMATION

VENDOR	NATURE OF CLAIM	OFFICIAL/DEPARTMENT	FUND	DATE PAID	AMOUNT PAID
CV Solutions, LLC	Water Resources Permit Security Deposits		General Fund	8/28/2023	56,027.40
Fifth Third Bank	Payroll Taxes Payable		General Fund	8/28/2023	317.56
GovTempsUSA, LLC	Contractual/Consulting Services	County Board	General Fund	8/14/2023	8,782.20
GovTempsUSA, LLC	Contractual/Consulting Services	County Board	General Fund	8/14/2023	7,433.30
GovTempsUSA, LLC	Contractual/Consulting Services	County Board	General Fund	8/14/2023	9,184.00
GovTempsUSA, LLC	Contractual/Consulting Services	County Board	General Fund	8/14/2023	3,960.00
GovTempsUSA, LLC	Contractual/Consulting Services	County Board	General Fund	8/14/2023	4,534.60
GovTempsUSA, LLC	Contractual/Consulting Services	County Board	General Fund	8/14/2023	43.05
GovTempsUSA, LLC	Contractual/Consulting Services	County Board	General Fund	8/14/2023	8,810.90
GovTempsUSA, LLC	Contractual/Consulting Services	County Board	General Fund	8/14/2023	473.55
GovTempsUSA, LLC	Contractual/Consulting Services	County Board	General Fund	8/28/2023	9,514.05
Impact Networking, LLC	Repairs and Maint- Copiers	County Board	General Fund	8/14/2023	46.86
Metro West Council of Government (COG)	Conferences and Meetings - Board Members	County Board	General Fund	8/14/2023	180.00
Warehouse Direct, Inc.	Conferences and Meetings - Board Members	County Board	General Fund	8/14/2023	82.79
Metro West Council of Government (COG)	General Association Dues	County Board	General Fund	8/28/2023	250.00
Northwest Water Planning	General Association Dues	County Board	General Fund	8/28/2023	500.00
Warehouse Direct, Inc.	Office Supplies	County Board	General Fund	8/14/2023	31.10
Warehouse Direct, Inc.	Office Supplies	County Board	General Fund	8/28/2023	31.18
Warehouse Direct, Inc.	Office Supplies	County Board	General Fund	8/28/2023	125.64
Century Springs/Ove Water Services	Operating Supplies	County Board	General Fund	8/14/2023	42.69
Warehouse Direct, Inc.	Operating Supplies	County Board	General Fund	8/14/2023	11.25
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Finance	General Fund	8/28/2023	163.03
Century Springs/Ove Water Services	Office Supplies	Finance	General Fund	8/28/2023	36.23
Fifth Third Bank	Office Supplies	Finance	General Fund	8/28/2023	92.82
Warehouse Direct, Inc.	Office Supplies	Finance	General Fund	8/28/2023	61.58
Iron Mountain Information Management, LLC	Contractual/Consulting Services	Information Technologies	General Fund	8/14/2023	252.96
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	Information Technologies	General Fund	8/14/2023	756.00
Therm Flo Incorporated	Contractual/Consulting Services	Information Technologies	General Fund	8/14/2023	6,712.00
Therm Flo Incorporated	Contractual/Consulting Services	Information Technologies	General Fund	8/14/2023	7,333.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	Information Technologies	General Fund	8/28/2023	756.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	Information Technologies	General Fund	8/28/2023	453.60
Iron Mountain Information Management, LLC	Contractual/Consulting Services	Information Technologies	General Fund	8/28/2023	1,180.42
Defin.Net Solutions Inc	Contractual/Consulting Services	Information Technologies	General Fund	8/28/2023	9,000.00
Telcom Innovations Group LLC	Repairs and Maint- Comm Equip	Information Technologies	General Fund	8/28/2023	23,964.00
Eric C Gwillim	Conferences and Meetings	Information Technologies	General Fund	8/14/2023	369.96
John Zakosek	Conferences and Meetings	Information Technologies	General Fund	8/14/2023	369.96
Fifth Third Bank	Conferences and Meetings	Information Technologies	General Fund	8/28/2023	(1,495.00)
Fifth Third Bank	Conferences and Meetings	Information Technologies	General Fund	8/28/2023	360.54
Brooke Roff	Employee Mileage Expense	Information Technologies	General Fund	8/14/2023	43.03
Fifth Third Bank	Office Supplies	Information Technologies	General Fund	8/28/2023	64.21
Fifth Third Bank	Computer Related Supplies	Information Technologies	General Fund	8/28/2023	639.99
Fifth Third Bank	Computer Related Supplies	Information Technologies	General Fund	8/28/2023	6,293.27
Warehouse Direct, Inc.	Printing Supplies	Information Technologies	General Fund	8/14/2023	200.00
Gordon Flesch Company Inc	Printing Supplies	Information Technologies	General Fund	8/28/2023	4.63
Gordon Flesch Company Inc	Printing Supplies	Information Technologies	General Fund	8/28/2023	102.29
WEX BANK	Fuel- Vehicles	Information Technologies	General Fund	8/14/2023	328.69
Waste Management of Illinois - West	Disposal and Water Softener Srvs	Building Management	General Fund	8/14/2023	566.44
Waste Management of Illinois - West	Disposal and Water Softener Srvs	Building Management	General Fund	8/14/2023	390.00
Waste Management of Illinois - West	Disposal and Water Softener Srvs	Building Management	General Fund	8/28/2023	364.00
Waste Management of Illinois - West	Disposal and Water Softener Srvs	Building Management	General Fund	8/28/2023	333.62
Waste Management of Illinois - West	Disposal and Water Softener Srvs	Building Management	General Fund	8/28/2023	223.66
Waste Management of Illinois - West	Disposal and Water Softener Srvs	Building Management	General Fund	8/28/2023	2,747.89
Waste Management of Illinois - West	Disposal and Water Softener Srvs	Building Management	General Fund	8/28/2023	2,082.89

Waste Management of Illinois - West	Disposal and Water Softener Svcs	Building Management	General Fund	8/28/2023	37.72
Waste Management of Illinois - West	Disposal and Water Softener Svcs	Building Management	General Fund	8/28/2023	347.76
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	9,517.25
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	4,280.50
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	12,295.26
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	1,901.50
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	11,193.50
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	4,330.01
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	1,724.25
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	6,458.01
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	13,446.05
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/14/2023	6,888.46
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/28/2023	7,878.19
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/28/2023	11,865.29
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/28/2023	4,077.92
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/28/2023	2,204.25
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Building Management	General Fund	8/28/2023	10,276.25
Malcor Roofing of Illinois, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	290.00
Malcor Roofing of Illinois, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	960.80
Wm F Meyer Co	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	361.40
Quincy Compressor, LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	395.00
Ace Hardware-Aurora/Batavia	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	31.99
Ace Hardware-Aurora/Batavia	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	31.87
Aero Building Solutions	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	1,822.00
Aero Building Solutions	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	2,708.00
Al Warren Oil Company, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	1,272.51
Chem-Wise Ecological Pest Management, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	564.00
Chicago Hollow Metal, Inc. (The Door Doctors)	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	1,925.00
F.E. Moran Inc. Mechanical Services	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	1,200.00
F.E. Moran Inc. Mechanical Services	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	5,850.00
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	33.64
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	0.90
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	13.49
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	16.99
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	28.78
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	13.12
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	4.49
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	40.08
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	10.79
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	166.85
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	33.41
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	31.35
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	36.41
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	83.28
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	13.84
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	242.04
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	64.95
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	598.00
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	54.90
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	13.79
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	45.07
Gehrke Technology Group, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	35.00
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	54.96
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	169.08
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	37.08

Sherwin Williams	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	63.86
Sherwin Williams	Repairs and Maint- Buildings	Building Management	General Fund	8/14/2023	110.42
Steiner Electric Co Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	51.13
Toshiba America Business Solutions Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	77.71
Urban Elevator Service LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	119.60
Urban Elevator Service LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	124.38
Urban Elevator Service LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	352.56
Urban Elevator Service LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	717.60
Urban Elevator Service LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	119.60
Urban Elevator Service LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	239.20
Urban Elevator Service LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	119.60
Urban Elevator Service LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	139.88
Urban Elevator Service LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	1,196.00
Warehouse Direct, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	1,003.56
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	129.89
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	88.42
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	41.50
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	88.36
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	1,004.03
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	79.88
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	138.70
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	38.84
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	288.51
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	609.11
Grainger Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	74.16
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	161.35
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	56.50
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	90.14
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	21.42
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	11.96
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	20.64
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	26.17
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	105.61
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	5.19
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	84.36
Menards, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	212.88
Midwest Environmental Consulting Services, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	4,980.00
Motorola Solutions Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	495.12
Motorola Solutions Inc	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	468.96
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	15.18
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	12.72
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	5.03
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	93.56
ILLCO INC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	(855.20)
ILLCO INC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	72.98
ILLCO INC	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	230.98
F.E. Moran Inc. Mechanical Services	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	1,645.00
Feece Oil Company	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	515.23
Fifth Third Bank	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	18,404.01
Fifth Third Bank	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	5,241.95
Excelsior Worldwide dba Restoration1 of Fox Valley	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	6,984.87
Al Warren Oil Company, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	347.29
Alarm Detection Systems, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	132.68
Ascher Brothers Co., Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	1,500.00
Century Springs/Ove Water Services	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	32.03

Affiliated Customer Service Incorporated	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	2,037.00
R.J. O'Neil, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	300.00
R.J. O'Neil, Inc.	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	450.00
McMaster-Carr Supply Co	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	485.40
McMaster-Carr Supply Co	Repairs and Maint- Buildings	Building Management	General Fund	8/28/2023	95.70
Ratliff Landscaping Inc	Repairs and Maint- Grounds	Building Management	General Fund	8/14/2023	1,425.00
Ratliff Landscaping Inc	Repairs and Maint- Grounds	Building Management	General Fund	8/14/2023	720.00
Ratliff Landscaping Inc	Repairs and Maint- Grounds	Building Management	General Fund	8/14/2023	11,467.12
Ratliff Landscaping Inc	Repairs and Maint- Grounds	Building Management	General Fund	8/14/2023	1,500.00
Ratliff Landscaping Inc	Repairs and Maint- Grounds	Building Management	General Fund	8/28/2023	13,300.00
Alert Fire Protection, Inc.	Repairs and Maint- Equipment	Building Management	General Fund	8/14/2023	1,782.48
McMaster-Carr Supply Co	Repairs and Maint- Equipment	Building Management	General Fund	8/14/2023	51.00
Gehrke Technology Group, Inc.	Repairs and Maint- Equipment	Building Management	General Fund	8/14/2023	2,049.00
ILLCO INC	Repairs and Maint- Equipment	Building Management	General Fund	8/28/2023	945.80
United Refrigeration, Inc.	Repairs and Maint- Equipment	Building Management	General Fund	8/28/2023	480.74
F.E. Moran Inc. Mechanical Services	Repairs and Maint- Equipment	Building Management	General Fund	8/28/2023	2,724.00
AIM Solutions, Inc.	Repairs and Maint- Equipment	Building Management	General Fund	8/28/2023	1,029.00
Air Comfort LLC	Repairs and Maint- Equipment	Building Management	General Fund	8/28/2023	1,240.00
1 Source Mechanical, Inc.	Equipment Lease	Building Management	General Fund	8/28/2023	13,030.90
Batavia Instant Print Inc	General Printing	Building Management	General Fund	8/14/2023	190.00
Batavia Instant Print Inc	General Printing	Building Management	General Fund	8/14/2023	273.55
Batavia Instant Print Inc	General Printing	Building Management	General Fund	8/14/2023	1,156.17
Cenveo Worldwide Limited	General Printing	Building Management	General Fund	8/14/2023	718.50
Cenveo Worldwide Limited	General Printing	Building Management	General Fund	8/14/2023	645.90
Cenveo Worldwide Limited	General Printing	Building Management	General Fund	8/14/2023	488.25
Century Springs/Ove Water Services	Operating Supplies	Building Management	General Fund	8/14/2023	40.01
Warehouse Direct, Inc.	Operating Supplies	Building Management	General Fund	8/14/2023	293.56
Fifth Third Bank	Operating Supplies	Building Management	General Fund	8/28/2023	192.65
City of Geneva	Utilities- Sewer	Building Management	General Fund	8/14/2023	153.17
City of Geneva	Utilities- Sewer	Building Management	General Fund	8/14/2023	130.76
City of Geneva	Utilities- Sewer	Building Management	General Fund	8/28/2023	172.39
City of Geneva	Utilities- Sewer	Building Management	General Fund	8/28/2023	60.69
City of Geneva	Utilities- Sewer	Building Management	General Fund	8/28/2023	17.46
City of Geneva	Utilities- Sewer	Building Management	General Fund	8/28/2023	11.39
City of Geneva	Utilities- Sewer	Building Management	General Fund	8/28/2023	111.01
City of Geneva	Utilities- Sewer	Building Management	General Fund	8/28/2023	14.96
City of St. Charles	Utilities- Sewer	Building Management	General Fund	8/28/2023	183.39
City of St. Charles	Utilities- Sewer	Building Management	General Fund	8/28/2023	131.22
City of St. Charles	Utilities- Sewer	Building Management	General Fund	8/28/2023	2,115.24
City of St. Charles	Utilities- Sewer	Building Management	General Fund	8/28/2023	7,896.21
City of St. Charles	Utilities- Sewer	Building Management	General Fund	8/28/2023	227.13
Fifth Third Bank	Utilities- Sewer	Building Management	General Fund	8/28/2023	696.00
City of Aurora	Utilities- Water	Building Management	General Fund	8/14/2023	236.75
City of Aurora	Utilities- Water	Building Management	General Fund	8/14/2023	593.45
City of Geneva	Utilities- Water	Building Management	General Fund	8/14/2023	275.62
City of Geneva	Utilities- Water	Building Management	General Fund	8/14/2023	211.54
City of Geneva	Utilities- Water	Building Management	General Fund	8/28/2023	281.76
City of Geneva	Utilities- Water	Building Management	General Fund	8/28/2023	105.88
City of Geneva	Utilities- Water	Building Management	General Fund	8/28/2023	28.93
City of Geneva	Utilities- Water	Building Management	General Fund	8/28/2023	17.86
City of Geneva	Utilities- Water	Building Management	General Fund	8/28/2023	178.22
City of Geneva	Utilities- Water	Building Management	General Fund	8/28/2023	28.46
City of St. Charles	Utilities- Water	Building Management	General Fund	8/28/2023	188.04
City of St. Charles	Utilities- Water	Building Management	General Fund	8/28/2023	121.30
City of St. Charles	Utilities- Water	Building Management	General Fund	8/28/2023	2,336.72

City of St. Charles	Utilities- Water	Building Management	General Fund	8/28/2023	5,928.12
City of St. Charles	Utilities- Water	Building Management	General Fund	8/28/2023	243.84
Veritiv Operating Company	Printing Supplies	Building Management	General Fund	8/14/2023	3,808.00
Veritiv Operating Company	Printing Supplies	Building Management	General Fund	8/14/2023	7,616.00
Warehouse Direct, Inc.	Cleaning Supplies	Building Management	General Fund	8/14/2023	879.30
Warehouse Direct, Inc.	Cleaning Supplies	Building Management	General Fund	8/14/2023	(153.64)
Warehouse Direct, Inc.	Cleaning Supplies	Building Management	General Fund	8/14/2023	6,584.00
Warehouse Direct, Inc.	Cleaning Supplies	Building Management	General Fund	8/14/2023	(930.00)
Warehouse Direct, Inc.	Cleaning Supplies	Building Management	General Fund	8/14/2023	1,078.80
Warehouse Direct, Inc.	Cleaning Supplies	Building Management	General Fund	8/28/2023	794.14
Warehouse Direct, Inc.	Cleaning Supplies	Building Management	General Fund	8/28/2023	71.29
Fifth Third Bank	Cleaning Supplies	Building Management	General Fund	8/28/2023	362.00
Red Wing Shoe Store	Uniform Supplies	Building Management	General Fund	8/28/2023	300.00
Nicor Gas	Utilities- Natural Gas	Building Management	General Fund	8/14/2023	56.44
Nicor Gas	Utilities- Natural Gas	Building Management	General Fund	8/14/2023	164.07
Nicor Gas	Utilities- Natural Gas	Building Management	General Fund	8/14/2023	69.14
Nicor Gas	Utilities- Natural Gas	Building Management	General Fund	8/14/2023	54.24
Nicor Gas	Utilities- Natural Gas	Building Management	General Fund	8/28/2023	53.12
Constellation NewEnergy-Gas Division, LLC	Utilities- Natural Gas	Building Management	General Fund	8/28/2023	9,271.64
City of Geneva	Utilities- Electric	Building Management	General Fund	8/14/2023	29.15
City of Geneva	Utilities- Electric	Building Management	General Fund	8/14/2023	13,692.45
ComEd	Utilities- Electric	Building Management	General Fund	8/14/2023	4,619.89
Constellation NewEnergy Inc.	Utilities- Electric	Building Management	General Fund	8/14/2023	512.38
Constellation NewEnergy Inc.	Utilities- Electric	Building Management	General Fund	8/14/2023	88,987.50
Constellation NewEnergy Inc.	Utilities- Electric	Building Management	General Fund	8/14/2023	2,240.80
City of Geneva	Utilities- Electric	Building Management	General Fund	8/28/2023	5,978.23
City of Geneva	Utilities- Electric	Building Management	General Fund	8/28/2023	649.97
City of Geneva	Utilities- Electric	Building Management	General Fund	8/28/2023	199.64
City of Geneva	Utilities- Electric	Building Management	General Fund	8/28/2023	159.43
City of Geneva	Utilities- Electric	Building Management	General Fund	8/28/2023	29.47
City of Geneva	Utilities- Electric	Building Management	General Fund	8/28/2023	14,509.96
City of St. Charles	Utilities- Electric	Building Management	General Fund	8/28/2023	62.25
City of St. Charles	Utilities- Electric	Building Management	General Fund	8/28/2023	10,527.46
Batavia Enterprises, Inc	Building Lease	Building Management	General Fund	8/14/2023	13,685.68
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Human Resource Management	General Fund	8/28/2023	170.22
Kane County Regional Office of Education	Miscellaneous Contractual Exp	Human Resource Management	General Fund	8/14/2023	520.00
Kane County Regional Office of Education	Miscellaneous Contractual Exp	Human Resource Management	General Fund	8/28/2023	600.00
Century Springs/Ove Water Services	Office Supplies	Human Resource Management	General Fund	8/28/2023	12.07
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	County Auditor	General Fund	8/14/2023	9.15
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	County Auditor	General Fund	8/28/2023	10.75
Fifth Third Bank	General Association Dues	County Auditor	General Fund	8/28/2023	50.00
Century Springs/Ove Water Services	Office Supplies	County Auditor	General Fund	8/14/2023	2.99
Century Springs/Ove Water Services	Office Supplies	County Auditor	General Fund	8/14/2023	10.58
Toshiba America Business Solutions Inc	General Printing	Treasurer/Collector	General Fund	8/28/2023	15.05
Carlos Mata	Employee Mileage Expense	Treasurer/Collector	General Fund	8/28/2023	31.44
Century Springs/Ove Water Services	Office Supplies	Treasurer/Collector	General Fund	8/28/2023	32.73
Secure Disbursement Systems Inc	Office Supplies	Treasurer/Collector	General Fund	8/28/2023	176.73
Warehouse Direct, Inc.	Office Supplies	Treasurer/Collector	General Fund	8/28/2023	69.60
Warehouse Direct, Inc.	Office Supplies	Treasurer/Collector	General Fund	8/28/2023	(51.26)
Warehouse Direct, Inc.	Office Supplies	Treasurer/Collector	General Fund	8/28/2023	416.24
Insight Public Sector Inc	Books and Subscriptions	Treasurer/Collector	General Fund	8/14/2023	61.37
Paddock Publications (Daily Herald)	Books and Subscriptions	Treasurer/Collector	General Fund	8/28/2023	950.20
Paddock Publications (Daily Herald)	Books and Subscriptions	Treasurer/Collector	General Fund	8/28/2023	43.70
Paddock Publications (Daily Herald)	Books and Subscriptions	Treasurer/Collector	General Fund	8/28/2023	25.30
Southern Computer Warehouse (SCW)	Printers	Treasurer/Collector	General Fund	8/28/2023	13,890.10

Southern Computer Warehouse (SCW)	Printers	Treasurer/Collector	General Fund	8/28/2023	3,940.77
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Supervisor of Assessments	General Fund	8/14/2023	36.18
Paddock Publications (Daily Herald)	Legal Printing	Supervisor of Assessments	General Fund	8/14/2023	23,802.40
Shaw Media	Legal Printing	Supervisor of Assessments	General Fund	8/14/2023	2,148.80
Noah Beckman	Employee Training	Supervisor of Assessments	General Fund	8/14/2023	50.00
Lennart Finstrom	Employee Training	Supervisor of Assessments	General Fund	8/14/2023	17.26
Stephen Fitzmaurice	Employee Training	Supervisor of Assessments	General Fund	8/14/2023	32.00
Donna L. King	Employee Training	Supervisor of Assessments	General Fund	8/14/2023	32.00
Angela Martin	Employee Training	Supervisor of Assessments	General Fund	8/14/2023	50.00
Angela Martin	Employee Training	Supervisor of Assessments	General Fund	8/14/2023	10.51
Illinois Property Assessment Institute	Employee Training	Supervisor of Assessments	General Fund	8/28/2023	380.00
MICHELLE R ABELL	Employee Training	Supervisor of Assessments	General Fund	8/28/2023	353.52
Mark D. Armstrong	Employee Training	Supervisor of Assessments	General Fund	8/28/2023	9.63
Lennart Finstrom	Employee Mileage Expense	Supervisor of Assessments	General Fund	8/14/2023	26.34
Stephen Fitzmaurice	Employee Mileage Expense	Supervisor of Assessments	General Fund	8/14/2023	36.16
Angela Martin	Employee Mileage Expense	Supervisor of Assessments	General Fund	8/14/2023	9.30
MICHELLE R ABELL	Employee Mileage Expense	Supervisor of Assessments	General Fund	8/28/2023	165.06
Mark D. Armstrong	Employee Mileage Expense	Supervisor of Assessments	General Fund	8/28/2023	6.22
Mark D. Armstrong	Employee Mileage Expense	Supervisor of Assessments	General Fund	8/28/2023	28.17
C.A.O.A. County Assessment Officers Assn	General Association Dues	Supervisor of Assessments	General Fund	8/14/2023	450.00
Century Springs/Ove Water Services	Office Supplies	Supervisor of Assessments	General Fund	8/14/2023	2.99
Century Springs/Ove Water Services	Office Supplies	Supervisor of Assessments	General Fund	8/14/2023	23.45
The Tree House Inc	Office Supplies	Supervisor of Assessments	General Fund	8/14/2023	1,120.50
Warehouse Direct, Inc.	Office Supplies	Supervisor of Assessments	General Fund	8/14/2023	638.86
Warehouse Direct, Inc.	Office Supplies	Supervisor of Assessments	General Fund	8/14/2023	59.68
4Imprint, Inc.	Office Supplies	Supervisor of Assessments	General Fund	8/28/2023	621.08
State of IL Secretary of State	Notary Services	County Clerk	General Fund	8/28/2023	15.00
Zahida Fakroddin	Employee Mileage Expense	County Clerk	General Fund	8/14/2023	74.67
IL Assn of County Clerks & Recorders IACCR	General Association Dues	County Clerk	General Fund	8/14/2023	850.00
Warehouse Direct, Inc.	Office Supplies	County Clerk	General Fund	8/28/2023	14.96
Warehouse Direct, Inc.	Operating Supplies	County Clerk	General Fund	8/14/2023	724.50
Warehouse Direct, Inc.	Operating Supplies	County Clerk	General Fund	8/14/2023	498.90
Warehouse Direct, Inc.	Operating Supplies	County Clerk	General Fund	8/28/2023	765.15
Warehouse Direct, Inc.	Computer Related Supplies	County Clerk	General Fund	8/14/2023	467.51
Fifth Third Bank	Computer Related Supplies	County Clerk	General Fund	8/28/2023	384.30
Fifth Third Bank	Books and Subscriptions	County Clerk	General Fund	8/28/2023	34.00
DFM Associates	Software Licensing Cost	County Clerk	General Fund	8/14/2023	10,780.00
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	County Clerk	General Fund	8/14/2023	24.36
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	County Clerk	General Fund	8/28/2023	76.09
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	County Clerk	General Fund	8/28/2023	32.17
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	County Clerk	General Fund	8/28/2023	17.78
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	County Clerk	General Fund	8/28/2023	245.61
Dugans Service Inc	Repairs and Maint- Vehicles	County Clerk	General Fund	8/28/2023	60.00
Century Springs/Ove Water Services	Operating Supplies	County Clerk	General Fund	8/14/2023	77.84
Verizon Wireless	Operating Supplies	County Clerk	General Fund	8/14/2023	58.40
Uline	Operating Supplies	County Clerk	General Fund	8/28/2023	718.90
DAVID C KING	Employee Mileage Expense	Recorder	General Fund	8/14/2023	37.01
IL Assn of County Clerks & Recorders IACCR	General Association Dues	Recorder	General Fund	8/14/2023	850.00
Century Springs/Ove Water Services	Office Supplies	Recorder	General Fund	8/14/2023	31.23
Marberry Cleaners & Launderers	Uniform Allowance	Judiciary and Courts	General Fund	8/14/2023	6.60
Kane County Juror Payable Clearing	Jurors- Circuit Court	Judiciary and Courts	General Fund	8/7/2023	336.24
Kane County Juror Payable Clearing	Jurors- Circuit Court	Judiciary and Courts	General Fund	8/7/2023	1,092.25
Kane County Juror Payable Clearing	Jurors- Circuit Court	Judiciary and Courts	General Fund	8/10/2023	796.28
Kane County Juror Payable Clearing	Jurors- Circuit Court	Judiciary and Courts	General Fund	8/17/2023	412.55
Kane County Juror Payable Clearing	Jurors- Circuit Court	Judiciary and Courts	General Fund	8/17/2023	862.21

Kane County Juror Payable Clearing	Jurors- Circuit Court	Judiciary and Courts	General Fund	8/25/2023	3,496.09
Kane County Juror Payable Clearing	Jurors- Circuit Court	Judiciary and Courts	General Fund	8/31/2023	836.84
4W Eats dba Papa Saverio's	Jurors' Expense	Judiciary and Courts	General Fund	8/14/2023	166.01
Just In Time Coffee LLC	Jurors' Expense	Judiciary and Courts	General Fund	8/14/2023	6,125.00
Just In Time Coffee LLC	Jurors' Expense	Judiciary and Courts	General Fund	8/14/2023	3,478.00
Just In Time Coffee LLC	Jurors' Expense	Judiciary and Courts	General Fund	8/14/2023	1,652.00
Just In Time Coffee LLC	Jurors' Expense	Judiciary and Courts	General Fund	8/28/2023	525.00
Fifth Third Bank	Jurors' Expense	Judiciary and Courts	General Fund	8/28/2023	59.96
Kobald Reporting Inc	Per Diem Expense	Judiciary and Courts	General Fund	8/14/2023	308.00
MaryJo D'Avola	Per Diem Expense	Judiciary and Courts	General Fund	8/14/2023	16.00
Lynn M Dreymliller	Per Diem Expense	Judiciary and Courts	General Fund	8/14/2023	964.00
Brenda D Gregory	Per Diem Expense	Judiciary and Courts	General Fund	8/14/2023	24.00
Debra P Hogan	Per Diem Expense	Judiciary and Courts	General Fund	8/14/2023	100.00
Debra P Hogan	Per Diem Expense	Judiciary and Courts	General Fund	8/14/2023	424.00
Barbara A Johnston	Per Diem Expense	Judiciary and Courts	General Fund	8/14/2023	100.00
Jennifer L. Joyce	Per Diem Expense	Judiciary and Courts	General Fund	8/14/2023	44.00
Jennifer L. Joyce	Per Diem Expense	Judiciary and Courts	General Fund	8/28/2023	116.00
Jennifer L. Joyce	Per Diem Expense	Judiciary and Courts	General Fund	8/28/2023	196.00
Jennifer L. Joyce	Per Diem Expense	Judiciary and Courts	General Fund	8/28/2023	100.00
Kobald Reporting Inc	Per Diem Expense	Judiciary and Courts	General Fund	8/28/2023	100.00
Martina M. Miranda	Per Diem Expense	Judiciary and Courts	General Fund	8/28/2023	58.00
Meagan Carroll	Per Diem Expense	Judiciary and Courts	General Fund	8/28/2023	76.00
Ann Wohlmuth	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	258.12
Shirley A. Wehking	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	177.20
Shirley A. Wehking	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	177.20
Wellspring Interpreting Services LLC	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	1,618.95
Tatiana Okunskaya	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	140.00
Claudia Perez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	521.81
Ruben Rodriguez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	1,296.26
Ruben Rodriguez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	511.33
Sara Pethokoukis	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	1,858.99
Fadia Tamer	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	2,476.99
Fadia Tamer	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	500.85
Daniel Velasco	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	1,335.23
Daniel Velasco	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	886.14
American Interpreting Services, Inc.	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	2,308.55
Bakhtavar Press	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	263.58
Ana M Bubalo	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	1,008.90
Ana M Bubalo	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	1,227.33
Maricela Cortez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	3,000.42
Maricela Cortez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	967.64
Maricela Cortez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	1,935.28
Maricela Ibarra	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	361.88
Maricela Ibarra	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	837.02
Carina Julian	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	786.77
Carina Julian	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	515.26
Carina Julian	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	986.23
Rafael H. Berrios	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	618.50
Martha Gerald dba Power Vibes Inc.	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/14/2023	2,245.95
Martha Gerald dba Power Vibes Inc.	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	1,732.11
Martha Gerald dba Power Vibes Inc.	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	1,667.11
Mihai Bledea	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	160.00
Carina Julian	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	1,030.52
Carina Julian	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	986.23
Maricela Ibarra	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	723.76

Maricela Ibarra	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	723.76
Maricela Cortez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	901.33
Bakhtavar Press	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	369.78
Bakhtavar Press	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	160.00
Bakhtavar Press	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	160.00
American Interpreting Services, Inc.	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	1,821.58
Anthony Bahena	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	521.81
Anthony Bahena	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	962.90
Daniel Velasco	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	1,327.24
Daniel Velasco	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	1,770.31
Fadia Tamer	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	2,461.27
Sara Pethokoukis	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	1,098.64
Ruben Rodriguez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	1,441.48
Ruben Rodriguez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	472.28
Ruben Rodriguez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	2,469.38
Rachael E Sills	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	3,273.35
Claudia Perez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	521.81
Claudia Perez	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	294.31
Tatiana Okunskaya	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	140.00
Tatiana Okunskaya	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	201.05
Wellspring Interpreting Services LLC	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	915.49
Wellspring Interpreting Services LLC	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	439.53
Wellspring Interpreting Services LLC	Contractual/Consulting Services	Judiciary and Courts	General Fund	8/28/2023	475.96
Elizabeth Berrones	Court Appointed Counsel	Judiciary and Courts	General Fund	8/14/2023	3,083.00
Marielisa Jackson	Court Appointed Counsel	Judiciary and Courts	General Fund	8/14/2023	3,434.00
James A Tabor ESQ	Court Appointed Counsel	Judiciary and Courts	General Fund	8/14/2023	3,434.00
James A Tabor ESQ	Court Appointed Counsel	Judiciary and Courts	General Fund	8/28/2023	140.00
James A Tabor ESQ	Court Appointed Counsel	Judiciary and Courts	General Fund	8/28/2023	3,434.00
Marielisa Jackson	Court Appointed Counsel	Judiciary and Courts	General Fund	8/28/2023	3,434.00
Rachel J. Hess	Court Appointed Counsel	Judiciary and Courts	General Fund	8/28/2023	6,815.65
Rachel J. Hess	Court Appointed Counsel	Judiciary and Courts	General Fund	8/28/2023	3,434.00
Elizabeth Donegan PsyD	Psychological/Psychiatric Srvs	Judiciary and Courts	General Fund	8/14/2023	750.00
Elizabeth Donegan PsyD	Psychological/Psychiatric Srvs	Judiciary and Courts	General Fund	8/14/2023	750.00
Fifth Third Bank	Judicial Technology Fine Expenses	Judiciary and Courts	General Fund	8/28/2023	57.99
De Lage Landen Financial Services, Inc.	Equipment Rental	Judiciary and Courts	General Fund	8/14/2023	125.00
Gordon Flesch Company Inc	Equipment Rental	Judiciary and Courts	General Fund	8/14/2023	71.78
Gordon Flesch Company Inc	Equipment Rental	Judiciary and Courts	General Fund	8/14/2023	17.93
Gordon Flesch Company Inc	Equipment Rental	Judiciary and Courts	General Fund	8/14/2023	71.90
Gordon Flesch Company Inc	Equipment Rental	Judiciary and Courts	General Fund	8/28/2023	4.61
Gordon Flesch Company Inc	Equipment Rental	Judiciary and Courts	General Fund	8/28/2023	397.34
Gordon Flesch Company Inc	Equipment Rental	Judiciary and Courts	General Fund	8/28/2023	6.28
Marco Technologies, LLC.	Equipment Rental	Judiciary and Courts	General Fund	8/28/2023	440.45
Toshiba Financial Services	Equipment Rental	Judiciary and Courts	General Fund	8/28/2023	250.32
Canon Solutions America Inc	Equipment Rental	Judiciary and Courts	General Fund	8/28/2023	90.12
Just In Time Coffee LLC	Conferences and Meetings	Judiciary and Courts	General Fund	8/14/2023	180.00
Just In Time Coffee LLC	Conferences and Meetings	Judiciary and Courts	General Fund	8/14/2023	275.00
Michael J. Noland	Conferences and Meetings	Judiciary and Courts	General Fund	8/14/2023	256.00
Fifth Third Bank	Conferences and Meetings	Judiciary and Courts	General Fund	8/28/2023	16.96
Karen M. Zajicek	Employee Mileage Expense	Judiciary and Courts	General Fund	8/14/2023	37.80
Fifth Third Bank	General Association Dues	Judiciary and Courts	General Fund	8/28/2023	140.00
Peloton Inc dba Frank's Employment	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/14/2023	787.50
Peloton Inc dba Frank's Employment	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/14/2023	630.00
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/14/2023	9.28
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/14/2023	89.49
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/14/2023	17.86

Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/14/2023	17.86
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/14/2023	17.86
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/14/2023	2.99
Language Line Services	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/28/2023	69.45
Peloton Inc dba Frank's Employment	Miscellaneous Contractual Exp	Judiciary and Courts	General Fund	8/28/2023	945.00
Warehouse Direct, Inc.	Office Supplies	Judiciary and Courts	General Fund	8/14/2023	14.55
Warehouse Direct, Inc.	Office Supplies	Judiciary and Courts	General Fund	8/14/2023	67.23
Warehouse Direct, Inc.	Office Supplies	Judiciary and Courts	General Fund	8/14/2023	46.02
Warehouse Direct, Inc.	Office Supplies	Judiciary and Courts	General Fund	8/28/2023	418.16
Warehouse Direct, Inc.	Office Supplies	Judiciary and Courts	General Fund	8/28/2023	314.40
Warehouse Direct, Inc.	Office Supplies	Judiciary and Courts	General Fund	8/28/2023	49.09
Document Imaging Services LLC	Computer Related Supplies	Judiciary and Courts	General Fund	8/14/2023	843.00
Fifth Third Bank	Employee Recognition Supplies	Judiciary and Courts	General Fund	8/28/2023	108.00
Fifth Third Bank	Employee Recognition Supplies	Judiciary and Courts	General Fund	8/28/2023	369.27
Theresa E Barreiro	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	66.81
Century Springs/Ove Water Services	Office Supplies	Circuit Clerk	General Fund	8/14/2023	42.30
Century Springs/Ove Water Services	Office Supplies	Circuit Clerk	General Fund	8/14/2023	36.32
Image-Pro Services & Supplies Inc	Office Supplies	Circuit Clerk	General Fund	8/14/2023	410.89
Petty Cash-Clerk of the Circuit Court	Office Supplies	Circuit Clerk	General Fund	8/14/2023	23.25
Fifth Third Bank	Office Supplies	Circuit Clerk	General Fund	8/28/2023	42.73
Juan Sifuentes	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	26.20
Warehouse Direct, Inc.	Office Supplies	Circuit Clerk	General Fund	8/28/2023	570.38
Warehouse Direct, Inc.	Office Supplies	Circuit Clerk	General Fund	8/28/2023	42.20
Rhiannon Anderson	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	52.40
Curt Bommelman	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	62.23
Michele Bruens	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	39.30
Jason M. Crowley	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	12.12
Latimer Ferrel	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	32.75
Kristin Glisson	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	23.58
Deneen S. Hull	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	24.23
Jennifer Lauren Johnson	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	45.85
Michael John Kovach	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	34.06
Penny Lange	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	28.82
Malinda Patterson	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	17.68
Sonal M. Sikligar	Employee Mileage Expense	Circuit Clerk	General Fund	8/28/2023	11.79
Jennifer Zuttermeister	Employee Mileage Expense	Circuit Clerk	General Fund	8/28/2023	45.85
Megan Johnson	Employee Mileage Expense	Circuit Clerk	General Fund	8/28/2023	38.65
Canon Solutions America Inc	Office Supplies	Circuit Clerk	General Fund	8/28/2023	1,174.04
Fifth Third Bank	Office Supplies	Circuit Clerk	General Fund	8/28/2023	70.60
Warehouse Direct, Inc.	Office Supplies	Circuit Clerk	General Fund	8/28/2023	100.07
Carleen J. Bain	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	172.92
Marissa Brown	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	20.96
Alexandra J. Busch	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	142.13
Dana Cruz	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	44.54
Theodore James Farrell	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	20.30
Benjamin Adam Petschke	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	23.58
Johnathan M. Pickering	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	17.03
JOANNE HASSLER	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	2.62
Anahi Huerta-Santillan	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	3.93
MaryAnn Kabara	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	39.30
Shauna Kane	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	115.28
Kelly A. Lisner	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	161.78
Paige V. Summerhill	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	18.34
Jennifer Volintine	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	1.31
Colby Whitman	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	3.93

Colby Whitman	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	9.17
Margaret Wlodek	Employee Mileage Expense	Circuit Clerk	General Fund	8/14/2023	220.08
Shirley L. Moline	Employee Mileage Expense	Circuit Clerk	General Fund	8/28/2023	17.03
Kelsey Spriet	Employee Mileage Expense	Circuit Clerk	General Fund	8/28/2023	94.32
Christine Foss	Employee Mileage Expense	Circuit Clerk	General Fund	8/28/2023	62.88
Sterling Sean Garwood	Employee Mileage Expense	Circuit Clerk	General Fund	8/28/2023	26.20
Fifth Third Bank	Office Supplies	Circuit Clerk	General Fund	8/28/2023	70.60
Warehouse Direct, Inc.	Office Supplies	Circuit Clerk	General Fund	8/28/2023	100.08
Image-Pro Services & Supplies Inc	Office Supplies	Circuit Clerk	General Fund	8/14/2023	260.21
Image-Pro Services & Supplies Inc	Office Supplies	Circuit Clerk	General Fund	8/28/2023	832.32
Image-Pro Services & Supplies Inc	Office Supplies	Circuit Clerk	General Fund	8/28/2023	1,086.98
Warehouse Direct, Inc.	Office Supplies	Circuit Clerk	General Fund	8/28/2023	153.96
Warehouse Direct, Inc.	Office Supplies	Circuit Clerk	General Fund	8/28/2023	232.22
Fifth Third Bank	Office Supplies	Circuit Clerk	General Fund	8/28/2023	757.00
Statewide Publishing, LLC	Legal Services	Circuit Clerk	General Fund	8/28/2023	60.00
Statewide Publishing, LLC	Legal Services	Circuit Clerk	General Fund	8/28/2023	60.00
Fifth Third Bank	Conferences and Meetings	Circuit Clerk	General Fund	8/28/2023	350.00
American Stamp & Marking Products, Inc.	Office Supplies	Circuit Clerk	General Fund	8/28/2023	676.45
Fifth Third Bank	Office Supplies	Circuit Clerk	General Fund	8/28/2023	131.98
Fifth Third Bank	Office Supplies	Circuit Clerk	General Fund	8/28/2023	84.21
Lexipol LLC	Contractual/Consulting Services	State's Attorney	General Fund	8/14/2023	7,611.00
Lexipol LLC	Contractual/Consulting Services	State's Attorney	General Fund	8/14/2023	6,741.00
Be Sure Consulting Inc.	Contractual/Consulting Services	State's Attorney	General Fund	8/28/2023	5,000.00
		State's Attorney	General Fund	8/14/2023	260.00
		State's Attorney	General Fund	8/14/2023	1,209.01
		State's Attorney	General Fund	8/28/2023	173.47
		State's Attorney	General Fund	8/28/2023	13.75
		State's Attorney	General Fund	8/28/2023	(378.01)
		State's Attorney	General Fund	8/28/2023	88.00
Debra P Hogan	Court Reporter Costs	State's Attorney	General Fund	8/14/2023	1,204.00
Debra P Hogan	Court Reporter Costs	State's Attorney	General Fund	8/14/2023	28.00
Debra P Hogan	Court Reporter Costs	State's Attorney	General Fund	8/14/2023	53.00
Martina M. Miranda	Court Reporter Costs	State's Attorney	General Fund	8/14/2023	58.00
Mary A Trezzo	Court Reporter Costs	State's Attorney	General Fund	8/14/2023	976.00
Theresa (Terri) Wells	Court Reporter Costs	State's Attorney	General Fund	8/14/2023	284.00
Barbara A Johnston	Court Reporter Costs	State's Attorney	General Fund	8/28/2023	5.00
Barbara A Johnston	Court Reporter Costs	State's Attorney	General Fund	8/28/2023	144.00
Melissa K. Anderko	Court Reporter Costs	State's Attorney	General Fund	8/28/2023	928.00
Melissa K. Anderko	Court Reporter Costs	State's Attorney	General Fund	8/28/2023	152.00
Margaret (Peggy) R. Beddard	Court Reporter Costs	State's Attorney	General Fund	8/28/2023	764.00
Dana D. Bollman	Court Reporter Costs	State's Attorney	General Fund	8/28/2023	888.00
Dana D. Bollman	Court Reporter Costs	State's Attorney	General Fund	8/28/2023	48.00
Dana D. Bollman	Court Reporter Costs	State's Attorney	General Fund	8/28/2023	44.00
Chicago Office Technology Group (COTG)	Repairs and Maint- Copiers	State's Attorney	General Fund	8/14/2023	15.03
Gordon Flesch Company Inc	Repairs and Maint- Copiers	State's Attorney	General Fund	8/14/2023	0.59
Impact Networking, LLC	Repairs and Maint- Copiers	State's Attorney	General Fund	8/28/2023	1,363.98
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	State's Attorney	General Fund	8/28/2023	37.17
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	State's Attorney	General Fund	8/28/2023	10.96
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	State's Attorney	General Fund	8/28/2023	28.85
Jiffy Lube (Sound Billing LLC)	Repairs and Maint- Vehicles	State's Attorney	General Fund	8/14/2023	87.28
Jiffy Lube (Sound Billing LLC)	Repairs and Maint- Vehicles	State's Attorney	General Fund	8/14/2023	51.97
Fifth Third Bank	Repairs and Maint- Vehicles	State's Attorney	General Fund	8/28/2023	154.40
Heena K. Patel	Conferences and Meetings	State's Attorney	General Fund	8/14/2023	541.90
Michael Pettet	Conferences and Meetings	State's Attorney	General Fund	8/14/2023	1,274.06
Fifth Third Bank	Conferences and Meetings	State's Attorney	General Fund	8/28/2023	645.60

Fifth Third Bank	Employee Training	State's Attorney	General Fund	8/28/2023	1,191.12
Fifth Third Bank	Employee Training	State's Attorney	General Fund	8/28/2023	(182.90)
The Tree House Inc	Office Supplies	State's Attorney	General Fund	8/14/2023	1,709.50
Warehouse Direct, Inc.	Office Supplies	State's Attorney	General Fund	8/14/2023	989.02
Warehouse Direct, Inc.	Office Supplies	State's Attorney	General Fund	8/14/2023	40.16
Warehouse Direct, Inc.	Office Supplies	State's Attorney	General Fund	8/14/2023	59.42
Fifth Third Bank	Office Supplies	State's Attorney	General Fund	8/28/2023	1,036.26
Accurate Document Destruction Inc (GROOT)	Operating Supplies	State's Attorney	General Fund	8/14/2023	414.00
Century Springs/Ove Water Services	Operating Supplies	State's Attorney	General Fund	8/14/2023	133.58
Petty Cash-State's Attorney	Operating Supplies	State's Attorney	General Fund	8/14/2023	121.00
Angel White	Operating Supplies	State's Attorney	General Fund	8/28/2023	475.00
Fifth Third Bank	Operating Supplies	State's Attorney	General Fund	8/28/2023	406.13
Fifth Third Bank	Operating Supplies	State's Attorney	General Fund	8/28/2023	1,158.21
Thomson Reuters GRC Inc. (West Government)	Books and Subscriptions	State's Attorney	General Fund	8/14/2023	4,002.54
Thomson Reuters GRC Inc. (West Government)	Books and Subscriptions	State's Attorney	General Fund	8/28/2023	2,646.20
Thomson Reuters GRC Inc. (West Government)	Books and Subscriptions	State's Attorney	General Fund	8/28/2023	1,401.29
WEX BANK	Fuel- Vehicles	State's Attorney	General Fund	8/14/2023	1,032.85
Fifth Third Bank	Employee Training	State's Attorney	General Fund	8/28/2023	(83.70)
Samuel Baricovich	Employee Mileage Expense	State's Attorney	General Fund	8/14/2023	238.42
Century Springs/Ove Water Services	Operating Supplies	State's Attorney	General Fund	8/14/2023	2.99
Insight Public Sector Inc	Computer Hardware- Non Capital	State's Attorney	General Fund	8/14/2023	708.00
Insight Public Sector Inc	Computer Hardware- Non Capital	State's Attorney	General Fund	8/14/2023	3,382.00
Insight Public Sector Inc	Computer Hardware- Non Capital	State's Attorney	General Fund	8/28/2023	7,650.00
WEX BANK	Fuel- Vehicles	State's Attorney	General Fund	8/14/2023	70.71
Petty Cash-State's Attorney	Employee Training	State's Attorney	General Fund	8/14/2023	400.00
		Public Defender	General Fund	8/14/2023	440.00
		Public Defender	General Fund	8/14/2023	20.00
		Public Defender	General Fund	8/14/2023	24.00
		Public Defender	General Fund	8/14/2023	208.00
		Public Defender	General Fund	8/14/2023	58.00
		Public Defender	General Fund	8/14/2023	15.00
		Public Defender	General Fund	8/28/2023	64.00
		Public Defender	General Fund	8/28/2023	192.12
Fifth Third Bank	Repairs and Maint- Copiers	Public Defender	General Fund	8/28/2023	114.98
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Public Defender	General Fund	8/28/2023	33.48
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Public Defender	General Fund	8/28/2023	2.91
Juanita Archuleta	Conferences and Meetings	Public Defender	General Fund	8/14/2023	33.32
Michelle Tilmon	Conferences and Meetings	Public Defender	General Fund	8/14/2023	272.00
Fifth Third Bank	Employee Training	Public Defender	General Fund	8/28/2023	628.00
Fifth Third Bank	Employee Training	Public Defender	General Fund	8/28/2023	300.00
Britt Hawkins	Employee Training	Public Defender	General Fund	8/28/2023	45.86
Jacqueline Leder	Employee Training	Public Defender	General Fund	8/28/2023	69.00
Accurate Document Destruction Inc (GROOT)	Miscellaneous Contractual Exp	Public Defender	General Fund	8/14/2023	619.25
Verizon Wireless	Miscellaneous Contractual Exp	Public Defender	General Fund	8/14/2023	213.24
Fifth Third Bank	Miscellaneous Contractual Exp	Public Defender	General Fund	8/28/2023	7.31
Century Springs/Ove Water Services	Office Supplies	Public Defender	General Fund	8/14/2023	2.99
Century Springs/Ove Water Services	Office Supplies	Public Defender	General Fund	8/14/2023	39.31
Warehouse Direct, Inc.	Office Supplies	Public Defender	General Fund	8/14/2023	38.38
Fifth Third Bank	Office Supplies	Public Defender	General Fund	8/28/2023	9.19
Fifth Third Bank	Books and Subscriptions	Public Defender	General Fund	8/28/2023	15.99
Thomson Reuters GRC Inc. (West Government)	Books and Subscriptions	Public Defender	General Fund	8/28/2023	249.98
Thomson Reuters GRC Inc. (West Government)	Books and Subscriptions	Public Defender	General Fund	8/28/2023	4,557.75
Thomson Reuters GRC Inc. (West Government)	Books and Subscriptions	Public Defender	General Fund	8/28/2023	839.67
Motorola Solutions Inc	Contractual/Consulting Services	Sheriff	General Fund	8/28/2023	9,545.00
Motorola Solutions Inc	Contractual/Consulting Services	Sheriff	General Fund	8/28/2023	9,545.00

Physicians Immediate Care North Chicago, LLC	Medical/Dental/Hospital Services	Sheriff	General Fund	8/28/2023	1,808.00
Fifth Third Bank	Investigations	Sheriff	General Fund	8/28/2023	5.00
Fifth Third Bank	Investigations	Sheriff	General Fund	8/28/2023	500.98
Fifth Third Bank	Investigations	Sheriff	General Fund	8/28/2023	341.40
Fifth Third Bank	Extradition Costs	Sheriff	General Fund	8/28/2023	50.35
Fifth Third Bank	Extradition Costs	Sheriff	General Fund	8/28/2023	87.92
Fifth Third Bank	Extradition Costs	Sheriff	General Fund	8/28/2023	2,799.40
Fifth Third Bank	Extradition Costs	Sheriff	General Fund	8/28/2023	3,070.47
Petty Cash-Sheriff	Extradition Costs	Sheriff	General Fund	8/28/2023	128.00
Petty Cash-Sheriff	Extradition Costs	Sheriff	General Fund	8/28/2023	128.00
Petty Cash-Sheriff	Extradition Costs	Sheriff	General Fund	8/28/2023	128.00
Petty Cash-Sheriff	Extradition Costs	Sheriff	General Fund	8/28/2023	64.00
Petty Cash-Sheriff	Extradition Costs	Sheriff	General Fund	8/28/2023	64.00
Petty Cash-Sheriff	Extradition Costs	Sheriff	General Fund	8/28/2023	128.00
Petty Cash-Sheriff	Extradition Costs	Sheriff	General Fund	8/28/2023	128.00
Petty Cash-Sheriff	Extradition Costs	Sheriff	General Fund	8/28/2023	128.00
Petty Cash-Sheriff	Extradition Costs	Sheriff	General Fund	8/28/2023	128.00
Impact Networking, LLC	Repairs and Maint- Comm Equip	Sheriff	General Fund	8/28/2023	142.37
Impact Networking, LLC	Repairs and Maint- Comm Equip	Sheriff	General Fund	8/28/2023	48.40
Insight Public Sector Inc	Repairs and Maint- Comm Equip	Sheriff	General Fund	8/28/2023	19.00
Insight Public Sector Inc	Repairs and Maint- Comm Equip	Sheriff	General Fund	8/28/2023	10,132.12
Insight Public Sector Inc	Repairs and Maint- Comm Equip	Sheriff	General Fund	8/28/2023	1,496.04
Insight Public Sector Inc	Repairs and Maint- Comm Equip	Sheriff	General Fund	8/28/2023	1,436.42
Toshiba America Business Solutions Inc	Repairs and Maint- Equipment	Sheriff	General Fund	8/28/2023	33.35
Toshiba America Business Solutions Inc	Repairs and Maint- Equipment	Sheriff	General Fund	8/28/2023	19.64
Cintas Corporation	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	58.94
Cintas Corporation	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	58.94
Cintas Corporation	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	58.94
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	11.69
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	29.30
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	45.87
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	14.92
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	46.54
Via Carlita, LLC dba Hawk Ford of St. Charles	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	396.85
Via Carlita, LLC dba Hawk Ford of St. Charles	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	128.52
Via Carlita, LLC dba Hawk Ford of St. Charles	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	182.80
Via Carlita, LLC dba Hawk Ford of St. Charles	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	128.47
Via Carlita, LLC dba Hawk Ford of St. Charles	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	30.87
Via Carlita, LLC dba Hawk Ford of St. Charles	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	91.40
Bob Jass Chevrolet, Inc.	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	283.03
Bob Jass Chevrolet, Inc.	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	160.97
Bob Jass Chevrolet, Inc.	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	433.18
Bob Jass Chevrolet, Inc.	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	124.87
Bob Jass Chevrolet, Inc.	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	103.56
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	763.99
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	15.72
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	7.89
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	25.62
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	36.92
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	53.67
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	1,670.12
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	34.53
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	75.26
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	68.66
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	23.58

APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	39.59
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	167.88
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	(167.88)
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	7.90
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	21.77
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	110.33
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	136.64
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	34.76
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	22.39
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/14/2023	41.98
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	111.98
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	5.29
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	33.80
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	30.99
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	15.99
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	74.55
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	159.96
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	24.78
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	11.98
APC Stores, Inc (Bumper to Bumper)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	9.90
Battery Service Corporation	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	793.80
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	244.27
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	116.59
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	1,856.48
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	37.20
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	112.86
Elburn NAPA Inc (North Aurora)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	876.94
Fifth Third Bank	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	1,008.44
Fifth Third Bank	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	23.58
Bob Jass Chevrolet, Inc.	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	149.95
Bob Jass Chevrolet, Inc.	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	244.08
Chicago Parts and Sound, LLC	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	1,194.00
Via Carlita, LLC dba Hawk Ford of St. Charles	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	746.55
Via Carlita, LLC dba Hawk Ford of St. Charles	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	20.50
Via Carlita, LLC dba Hawk Ford of St. Charles	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	47.13
Havlicek Geneva Ace Hardware LLC	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	71.92
ISHTA (Illinois State Toll Highway Authority)	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	152.97
Pomps Tire Service Inc	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	5,929.90
Pomps Tire Service Inc	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	1,898.28
Cintas Corporation	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	58.94
Cintas Corporation	Repairs and Maint- Vehicles	Sheriff	General Fund	8/28/2023	58.94
Fifth Third Bank	Employee Training	Sheriff	General Fund	8/28/2023	1,650.00
Fifth Third Bank	Employee Training	Sheriff	General Fund	8/28/2023	6,028.72
Fifth Third Bank	Employee Training	Sheriff	General Fund	8/28/2023	272.80
North East Multi-Regional Training Inc	Employee Training	Sheriff	General Fund	8/28/2023	500.00
North East Multi-Regional Training Inc	Employee Training	Sheriff	General Fund	8/28/2023	255.00
Petty Cash-Sheriff	Employee Training	Sheriff	General Fund	8/28/2023	425.00
Petty Cash-Sheriff	Employee Training	Sheriff	General Fund	8/28/2023	568.20
Weldstar Company	Employee Training	Sheriff	General Fund	8/28/2023	19.20
Fifth Third Bank	Office Supplies	Sheriff	General Fund	8/28/2023	360.71
Fifth Third Bank	Office Supplies	Sheriff	General Fund	8/28/2023	21.88
Flock Group, Inc. dba Flock Safety	Operating Supplies	Sheriff	General Fund	8/14/2023	12,000.00
Fox Valley Park District	Operating Supplies	Sheriff	General Fund	8/14/2023	500.00
Illinois Law Enforcement Alarm System	Operating Supplies	Sheriff	General Fund	8/28/2023	360.00
Airgas North Central, Inc.	Operating Supplies	Sheriff	General Fund	8/28/2023	60.91

Chad's Towing & Recovery, Inc.	Operating Supplies	Sheriff	General Fund	8/28/2023	150.00
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	4,009.60
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	1,019.56
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	409.13
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	4,542.91
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	190.88
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	(137.59)
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	207.95
Pro-Tech Security Sales	S.W.A.T. Supplies	Sheriff	General Fund	8/28/2023	15,155.00
Fifth Third Bank	Uniform Supplies	Sheriff	General Fund	8/28/2023	86.13
J.G. Uniforms, Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	835.00
J.G. Uniforms, Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	835.00
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	1,538.21
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	527.46
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	734.73
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	43.31
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	722.47
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	219.67
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	276.87
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	193.99
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	136.62
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	62.71
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	8.99
Al Warren Oil Company, Inc.	Fuel- Vehicles	Sheriff	General Fund	8/28/2023	6,684.28
Al Warren Oil Company, Inc.	Fuel- Vehicles	Sheriff	General Fund	8/28/2023	0.49
Al Warren Oil Company, Inc.	Fuel- Vehicles	Sheriff	General Fund	8/28/2023	217.17
Al Warren Oil Company, Inc.	Fuel- Vehicles	Sheriff	General Fund	8/28/2023	7,317.59
WEX BANK	Fuel- Vehicles	Sheriff	General Fund	8/28/2023	30,528.32
Lighthouse Recovery, Inc.	Medical/Dental/Hospital Services	Sheriff	General Fund	8/14/2023	25,000.00
Stericycle, Inc.	Medical/Dental/Hospital Services	Sheriff	General Fund	8/14/2023	295.00
Wagner Investigative Polygraph Service	Medical/Dental/Hospital Services	Sheriff	General Fund	8/14/2023	100.00
COPS Testing Service Inc	Medical/Dental/Hospital Services	Sheriff	General Fund	8/28/2023	450.00
Accurate Document Destruction Inc (GROOT)	Disposal and Water Softener Srvs	Sheriff	General Fund	8/28/2023	1,242.00
Waste Management of Illinois - West	Disposal and Water Softener Srvs	Sheriff	General Fund	8/28/2023	679.97
Waste Management of Illinois - West	Disposal and Water Softener Srvs	Sheriff	General Fund	8/28/2023	626.75
Fifth Third Bank	Employee Training	Sheriff	General Fund	8/28/2023	550.00
Fifth Third Bank	Employee Training	Sheriff	General Fund	8/28/2023	1,350.00
Fifth Third Bank	Employee Training	Sheriff	General Fund	8/28/2023	3,705.00
Fifth Third Bank	Employee Training	Sheriff	General Fund	8/28/2023	1,509.24
North East Multi-Regional Training Inc	Employee Training	Sheriff	General Fund	8/28/2023	255.00
Cintas Corporation	Operating Supplies	Sheriff	General Fund	8/14/2023	87.98
Cintas Corporation	Operating Supplies	Sheriff	General Fund	8/28/2023	87.98
Cintas Corporation	Operating Supplies	Sheriff	General Fund	8/28/2023	74.90
Cintas Corporation	Operating Supplies	Sheriff	General Fund	8/28/2023	74.90
Cintas Corporation	Operating Supplies	Sheriff	General Fund	8/28/2023	74.90
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	298.00
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	364.00
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	183.17
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	76.00
OnTime Telecom, Inc. dba DialMyCalls	Operating Supplies	Sheriff	General Fund	8/28/2023	89.20
OnTime Telecom, Inc. dba DialMyCalls	Operating Supplies	Sheriff	General Fund	8/28/2023	151.60
Tek84 Inc.	Operating Supplies	Sheriff	General Fund	8/28/2023	8,995.00
Valdes LLC	Operating Supplies	Sheriff	General Fund	8/28/2023	999.25
Valdes LLC	Operating Supplies	Sheriff	General Fund	8/28/2023	999.25
Valdes LLC	Operating Supplies	Sheriff	General Fund	8/28/2023	999.25

Valdes LLC	Operating Supplies	Sheriff	General Fund	8/28/2023	999.25
Valley Lock Company Inc	Operating Supplies	Sheriff	General Fund	8/28/2023	99.60
Warehouse Direct, Inc.	Operating Supplies	Sheriff	General Fund	8/28/2023	281.37
Warehouse Direct, Inc.	Operating Supplies	Sheriff	General Fund	8/28/2023	281.37
Warehouse Direct, Inc.	Operating Supplies	Sheriff	General Fund	8/28/2023	281.37
Warehouse Direct, Inc.	Operating Supplies	Sheriff	General Fund	8/28/2023	281.00
Warehouse Direct, Inc.	Operating Supplies	Sheriff	General Fund	8/28/2023	281.37
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	53.33
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	411.01
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	660.62
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	345.72
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	438.82
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	113.29
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	34.92
Aramark Services, Inc.	Food	Sheriff	General Fund	8/14/2023	14,123.55
Century Springs/Ove Water Services	Food	Sheriff	General Fund	8/14/2023	40.01
Century Springs/Ove Water Services	Food	Sheriff	General Fund	8/14/2023	9.28
Century Springs/Ove Water Services	Food	Sheriff	General Fund	8/14/2023	103.66
Century Springs/Ove Water Services	Food	Sheriff	General Fund	8/14/2023	2.99
Century Springs/Ove Water Services	Food	Sheriff	General Fund	8/14/2023	61.11
Century Springs/Ove Water Services	Food	Sheriff	General Fund	8/14/2023	23.05
Porfirio Roman Ramirez	Food	Sheriff	General Fund	8/14/2023	2,800.00
Porfirio Roman Ramirez	Food	Sheriff	General Fund	8/28/2023	2,800.00
Securus Monitor. dba Satellite Tracking of People	Food	Sheriff	General Fund	8/28/2023	72.00
Securus Monitor. dba Satellite Tracking of People	Food	Sheriff	General Fund	8/28/2023	3,231.00
KS State Bank	Food	Sheriff	General Fund	8/28/2023	32,705.38
Petty Cash-Sheriff	Food	Sheriff	General Fund	8/28/2023	7,470.00
Aramark Services, Inc.	Food	Sheriff	General Fund	8/28/2023	30.00
Aramark Services, Inc.	Food	Sheriff	General Fund	8/28/2023	14,966.16
Aramark Services, Inc.	Food	Sheriff	General Fund	8/28/2023	14,416.20
Aramark Services, Inc.	Food	Sheriff	General Fund	8/28/2023	14,085.72
Aramark Services, Inc.	Food	Sheriff	General Fund	8/28/2023	14,671.70
BI, Inc.	Food	Sheriff	General Fund	8/28/2023	5,971.85
BI, Inc.	Food	Sheriff	General Fund	8/28/2023	(300.00)
BI, Inc.	Food	Sheriff	General Fund	8/28/2023	1,781.75
Aramark Services, Inc.	Public Health Commodities - Coronavirus	Sheriff	General Fund	8/14/2023	14.58
Aramark Services, Inc.	Public Health Commodities - Coronavirus	Sheriff	General Fund	8/28/2023	25.38
Aramark Services, Inc.	Public Health Commodities - Coronavirus	Sheriff	General Fund	8/28/2023	23.04
Aramark Services, Inc.	Public Health Commodities - Coronavirus	Sheriff	General Fund	8/28/2023	28.08
Aramark Services, Inc.	Public Health Commodities - Coronavirus	Sheriff	General Fund	8/28/2023	27.18
Petty Cash-Sheriff	Contractual/Consulting Services	Sheriff	General Fund	8/28/2023	1,975.00
Petty Cash-Sheriff	Contractual/Consulting Services	Sheriff	General Fund	8/28/2023	1,625.00
Petty Cash-Sheriff	Contractual/Consulting Services	Sheriff	General Fund	8/28/2023	1,350.00
Motorola Solutions Inc	Repairs and Maint- Comm Equip	Sheriff	General Fund	8/28/2023	990.24
Motorola Solutions Inc	Repairs and Maint- Comm Equip	Sheriff	General Fund	8/28/2023	1,099.52
Motorola Solutions Inc	Repairs and Maint- Comm Equip	Sheriff	General Fund	8/28/2023	64,828.48
Fifth Third Bank	Employee Training	Sheriff	General Fund	8/28/2023	1,255.00
Police Law Institute	Employee Training	Sheriff	General Fund	8/28/2023	660.00
Wagner Investigative Polygraph Service	Pre-Employ Drug Testing and Labs	Sheriff	General Fund	8/14/2023	100.00
Physicians Immediate Care North Chicago, LLC	Pre-Employ Drug Testing and Labs	Sheriff	General Fund	8/28/2023	1,765.00
COPS Testing Service Inc	Pre-Employment Physicals	Sheriff	General Fund	8/28/2023	450.00
Century Springs/Ove Water Services	Operating Supplies	Sheriff	General Fund	8/14/2023	29.43
Century Springs/Ove Water Services	Operating Supplies	Sheriff	General Fund	8/14/2023	2.99
Century Springs/Ove Water Services	Operating Supplies	Sheriff	General Fund	8/14/2023	13.57
Fifth Third Bank	Operating Supplies	Sheriff	General Fund	8/28/2023	2,200.00

J.G. Uniforms, Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	955.49
Ray O'Herron Co., Inc.	Uniform Supplies	Sheriff	General Fund	8/28/2023	212.31
PETER J BURGERT	Employee Mileage Expense	Merit Commission	General Fund	8/14/2023	209.60
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Court Services	General Fund	8/28/2023	141.31
Fifth Third Bank	Conferences and Meetings	Court Services	General Fund	8/28/2023	926.80
LaTanya Hill	Employee Training	Court Services	General Fund	8/14/2023	262.16
Fifth Third Bank	Employee Training	Court Services	General Fund	8/28/2023	81.11
Ruth E Gilles	Postage	Court Services	General Fund	8/28/2023	82.19
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Court Services	General Fund	8/14/2023	311.75
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Court Services	General Fund	8/28/2023	331.75
Impact Networking, LLC	Repairs and Maint- Copiers	Court Services	General Fund	8/14/2023	175.00
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Court Services	General Fund	8/28/2023	45.84
105 Grove LLC	Building Space Rental	Court Services	General Fund	8/14/2023	2,779.62
Brian Howes	Conferences and Meetings	Court Services	General Fund	8/14/2023	84.95
IL Probation & Court Services Association (IPCSA)	Conferences and Meetings	Court Services	General Fund	8/28/2023	750.00
Lindsey Liddicoatt	Conferences and Meetings	Court Services	General Fund	8/28/2023	112.00
Julie Cho-Valdejuli	Conferences and Meetings	Court Services	General Fund	8/28/2023	112.00
Fifth Third Bank	Conferences and Meetings	Court Services	General Fund	8/28/2023	4,117.60
Fifth Third Bank	Conferences and Meetings	Court Services	General Fund	8/28/2023	926.80
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Court Services	General Fund	8/14/2023	52.18
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Court Services	General Fund	8/14/2023	35.02
Fifth Third Bank	Miscellaneous Contractual Exp	Court Services	General Fund	8/28/2023	20.00
Warehouse Direct, Inc.	Office Supplies	Court Services	General Fund	8/14/2023	6.19
Warehouse Direct, Inc.	Office Supplies	Court Services	General Fund	8/28/2023	33.16
Warehouse Direct, Inc.	Office Supplies	Court Services	General Fund	8/28/2023	738.74
Warehouse Direct, Inc.	Office Supplies	Court Services	General Fund	8/28/2023	244.94
Warehouse Direct, Inc.	Office Supplies	Court Services	General Fund	8/28/2023	(240.62)
Streicher's, Inc.	Operating Supplies	Court Services	General Fund	8/14/2023	94.45
Fifth Third Bank	Operating Supplies	Court Services	General Fund	8/28/2023	698.98
Fifth Third Bank	Operating Supplies	Court Services	General Fund	8/28/2023	7.50
The Tree House Inc	Computer Related Supplies	Court Services	General Fund	8/28/2023	176.80
McKesson Medical Surgical	Medical Supplies and Drugs	Court Services	General Fund	8/14/2023	458.57
Warehouse Direct, Inc.	Equipment < \$1000	Court Services	General Fund	8/28/2023	5,025.25
WEX BANK	Fuel- Vehicles	Court Services	General Fund	8/14/2023	851.01
Association for Individual Development (AID)	Psychological/Psychiatric Srvs	Court Services	General Fund	8/14/2023	1,836.67
Nancy Bagley	Psychological/Psychiatric Srvs	Court Services	General Fund	8/14/2023	500.00
Ecker Center for Mental Health	Psychological/Psychiatric Srvs	Court Services	General Fund	8/14/2023	2,500.00
Nancy Bagley	Lab Services	Court Services	General Fund	8/14/2023	0.00
Redwood Toxicology Inc.	Lab Services	Court Services	General Fund	8/28/2023	1,482.35
Jessica Newsome	Employee Training	Court Services	General Fund	8/28/2023	160.00
Jessica Newsome	Employee Training	Court Services	General Fund	8/28/2023	160.00
Julissa Gonzalez	Incentives	Court Services	General Fund	8/14/2023	10.99
Fifth Third Bank	Incentives	Court Services	General Fund	8/28/2023	320.00
Fifth Third Bank	Miscellaneous Supplies	Court Services	General Fund	8/28/2023	97.62
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Court Services	General Fund	8/14/2023	605.25
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Court Services	General Fund	8/28/2023	500.50
Waste Management of Illinois - West	Repairs and Maint- Buildings	Court Services	General Fund	8/28/2023	241.08
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Court Services	General Fund	8/28/2023	6.56
105 Grove LLC	Building Space Rental	Court Services	General Fund	8/14/2023	2,779.62
SC Auto Inc DBA Midas Auto Service	Repairs and Maint- Vehicles	Court Services	General Fund	8/28/2023	2,679.62
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Court Services	General Fund	8/14/2023	35.02
Warehouse Direct, Inc.	Office Supplies	Court Services	General Fund	8/28/2023	240.62
Fifth Third Bank	Operating Supplies	Court Services	General Fund	8/28/2023	7.50
Fifth Third Bank	Computer Related Supplies	Court Services	General Fund	8/28/2023	14.95
The Tree House Inc	Computer Related Supplies	Court Services	General Fund	8/28/2023	1,646.95

Warehouse Direct, Inc.	Equipment > \$1000	Court Services	General Fund	8/28/2023	2,564.08
WEX BANK	Fuel- Vehicles	Court Services	General Fund	8/14/2023	217.75
Family Counseling Services of Aurora	Psychological/Psychiatric Srvs	Court Services	General Fund	8/28/2023	825.00
Family Counseling Services of Aurora	Psychological/Psychiatric Srvs	Court Services	General Fund	8/28/2023	4,283.34
Advanced Correctional Healthcare, Inc.	Medical/Dental/Hospital Services	Court Services	General Fund	8/14/2023	36,432.78
Advanced Correctional Healthcare, Inc.	Medical/Dental/Hospital Services	Court Services	General Fund	8/14/2023	(160.89)
Symphony Diagnostic Svcs No. 1 dba MobilexUSA	Medical/Dental/Hospital Services	Court Services	General Fund	8/28/2023	64.00
Symphony Diagnostic Svcs No. 1 dba MobilexUSA	Medical/Dental/Hospital Services	Court Services	General Fund	8/28/2023	64.00
Bob Barker Company Inc	Juvenile Board and Care	Court Services	General Fund	8/14/2023	852.66
Bob Barker Company Inc	Juvenile Board and Care	Court Services	General Fund	8/14/2023	420.00
Bob Barker Company Inc	Juvenile Board and Care	Court Services	General Fund	8/28/2023	1,076.16
Redwood Toxicology Inc.	Lab Services	Court Services	General Fund	8/14/2023	88.80
Garcia Clinical Laboratory, Inc.	Lab Services	Court Services	General Fund	8/28/2023	107.00
State Street Collision, Inc.	Repairs and Maint- Vehicles	Court Services	General Fund	8/14/2023	346.92
Fifth Third Bank	Repairs and Maint- Vehicles	Court Services	General Fund	8/28/2023	14.00
Checkpoint Press dba The Blue Line	Employment Advertising	Court Services	General Fund	8/14/2023	447.00
Amy L. Sierra	Conferences and Meetings	Court Services	General Fund	8/14/2023	113.85
Fifth Third Bank	Conferences and Meetings	Court Services	General Fund	8/28/2023	2,140.27
Fifth Third Bank	Conferences and Meetings	Court Services	General Fund	8/28/2023	767.80
Corey Harris	Conferences and Meetings	Court Services	General Fund	8/28/2023	96.00
Fifth Third Bank	Employee Training	Court Services	General Fund	8/28/2023	400.00
Fifth Third Bank	General Association Dues	Court Services	General Fund	8/28/2023	99.00
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Court Services	General Fund	8/14/2023	55.17
Century Springs/Ove Water Services	Miscellaneous Contractual Exp	Court Services	General Fund	8/28/2023	62.06
Warehouse Direct, Inc.	Office Supplies	Court Services	General Fund	8/14/2023	168.80
Warehouse Direct, Inc.	Office Supplies	Court Services	General Fund	8/28/2023	79.07
Quill Corporation	Office Supplies	Court Services	General Fund	8/28/2023	231.98
Bob Barker Company Inc	Operating Supplies	Court Services	General Fund	8/14/2023	32.40
Bob Barker Company Inc	Operating Supplies	Court Services	General Fund	8/14/2023	248.00
Bob Barker Company Inc	Operating Supplies	Court Services	General Fund	8/14/2023	248.00
Cooks Correctional Kitchen Equipment	Operating Supplies	Court Services	General Fund	8/14/2023	104.71
Synchrony Bank (Sam's Club Direct)	Operating Supplies	Court Services	General Fund	8/14/2023	190.60
Sysco Food Services Chicago	Operating Supplies	Court Services	General Fund	8/14/2023	77.19
Sysco Food Services Chicago	Operating Supplies	Court Services	General Fund	8/14/2023	177.66
Sysco Food Services Chicago	Operating Supplies	Court Services	General Fund	8/28/2023	118.44
Fifth Third Bank	Operating Supplies	Court Services	General Fund	8/28/2023	149.99
Fifth Third Bank	Operating Supplies	Court Services	General Fund	8/28/2023	2,033.63
The Tree House Inc	Computer Related Supplies	Court Services	General Fund	8/14/2023	962.65
Fifth Third Bank	Books and Subscriptions	Court Services	General Fund	8/28/2023	43.79
Synchrony Bank (Sam's Club Direct)	Food	Court Services	General Fund	8/14/2023	441.60
Sysco Food Services Chicago	Food	Court Services	General Fund	8/14/2023	69.59
Sysco Food Services Chicago	Food	Court Services	General Fund	8/14/2023	157.74
Sysco Food Services Chicago	Food	Court Services	General Fund	8/14/2023	1,085.96
Sysco Food Services Chicago	Food	Court Services	General Fund	8/14/2023	993.16
Sysco Food Services Chicago	Food	Court Services	General Fund	8/14/2023	228.47
Aramark Services, Inc.	Food	Court Services	General Fund	8/14/2023	2,003.00
Aramark Services, Inc.	Food	Court Services	General Fund	8/14/2023	1,890.00
Aramark Services, Inc.	Food	Court Services	General Fund	8/28/2023	1,890.00
Aramark Services, Inc.	Food	Court Services	General Fund	8/28/2023	1,890.00
Fifth Third Bank	Food	Court Services	General Fund	8/28/2023	74.18
Sysco Food Services Chicago	Food	Court Services	General Fund	8/28/2023	1,221.70
Sysco Food Services Chicago	Food	Court Services	General Fund	8/28/2023	374.17
McKesson Medical Surgical	Medical Supplies and Drugs	Court Services	General Fund	8/14/2023	83.94
Redwood Toxicology Inc.	Medical Supplies and Drugs	Court Services	General Fund	8/14/2023	140.50
McKesson Medical Surgical	Medical Supplies and Drugs	Court Services	General Fund	8/28/2023	68.04

McKesson Medical Surgical	Medical Supplies and Drugs	Court Services	General Fund	8/28/2023	36.48
Green Tree Pharmacy	Medical Supplies and Drugs	Court Services	General Fund	8/28/2023	2,232.46
Fifth Third Bank	Subscription Databases	Court Services	General Fund	8/28/2023	19.99
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Court Services	General Fund	8/14/2023	42.49
Fifth Third Bank	Employee Training	Court Services	General Fund	8/28/2023	2,394.85
Warehouse Direct, Inc.	Office Supplies	Court Services	General Fund	8/28/2023	220.76
Redwood Toxicology Inc.	Lab Services	Court Services	General Fund	8/28/2023	330.95
Marta A. Helenowski	Autopsies/Consulting	Coroner	General Fund	8/14/2023	6,750.00
Mitra B. Kalelkar	Autopsies/Consulting	Coroner	General Fund	8/14/2023	16,500.00
James A. Filkins	Autopsies/Consulting	Coroner	General Fund	8/28/2023	6,000.00
NMS Labs	Toxicology Expense	Coroner	General Fund	8/28/2023	7,216.00
Fifth Third Bank	Repairs and Maint- Vehicles	Coroner	General Fund	8/28/2023	94.47
Marberry Cleaners & Launderers	Miscellaneous Contractual Exp	Coroner	General Fund	8/28/2023	104.94
Marberry Cleaners & Launderers	Miscellaneous Contractual Exp	Coroner	General Fund	8/28/2023	62.01
TIAA Commercial Finance Inc	Miscellaneous Contractual Exp	Coroner	General Fund	8/28/2023	217.00
Fifth Third Bank	Books and Subscriptions	Coroner	General Fund	8/28/2023	104.91
WEX BANK	Fuel- Vehicles	Coroner	General Fund	8/14/2023	971.15
Fifth Third Bank	Repairs and Maint- Equipment	Emergency Management Services	General Fund	8/28/2023	214.66
Advance Stores Company, Inc. (Advance Auto Parts)	Repairs and Maint- Vehicles	Emergency Management Services	General Fund	8/14/2023	20.99
Strypes Plus More, Inc.	Repairs and Maint- Vehicles	Emergency Management Services	General Fund	8/14/2023	832.00
Strypes Plus More, Inc.	Repairs and Maint- Vehicles	Emergency Management Services	General Fund	8/14/2023	408.00
Advance Stores Company, Inc. (Advance Auto Parts)	Repairs and Maint- Vehicles	Emergency Management Services	General Fund	8/28/2023	26.80
Fifth Third Bank	Repairs and Maint- Vehicles	Emergency Management Services	General Fund	8/28/2023	96.20
Illinois Emergency Management Agency (IEMA)	Employee Training	Emergency Management Services	General Fund	8/28/2023	75.00
Illinois Emergency Management Agency (IEMA)	Employee Training	Emergency Management Services	General Fund	8/28/2023	75.00
Illinois Emergency Management Agency (IEMA)	Employee Training	Emergency Management Services	General Fund	8/28/2023	75.00
Kane County Fire Chiefs Assn.	General Association Dues	Emergency Management Services	General Fund	8/14/2023	40.00
Quill Corporation	Office Supplies	Emergency Management Services	General Fund	8/14/2023	74.99
Fifth Third Bank	Office Supplies	Emergency Management Services	General Fund	8/28/2023	654.75
Keith Parks Enterprises, Inc. dba Accurate Towing	Operating Supplies	Emergency Management Services	General Fund	8/14/2023	300.00
Fifth Third Bank	Operating Supplies	Emergency Management Services	General Fund	8/28/2023	1,393.94
Insight Public Sector Inc	Computer Related Supplies	Emergency Management Services	General Fund	8/14/2023	4,590.00
Advance Stores Company, Inc. (Advance Auto Parts)	Communication Equip - Non-Capital	Emergency Management Services	General Fund	8/28/2023	49.29
Fifth Third Bank	Repairs and Maint- Vehicles	Environmental Management	General Fund	8/28/2023	10.00
Fifth Third Bank	General Association Dues	Environmental Management	General Fund	8/28/2023	50.00
Fifth Third Bank	Office Supplies	Environmental Management	General Fund	8/28/2023	32.59
WEX BANK	Fuel- Vehicles	Environmental Management	General Fund	8/28/2023	60.49
Janet Richardson	Building and Inspection Permits	Development	General Fund	8/28/2023	200.00
Chicago Title Company, LLC	Contractual/Consulting Services	Development	General Fund	8/14/2023	250.00
Impact Networking, LLC	Repairs and Maint- Copiers	Development	General Fund	8/14/2023	76.76
Rons Automotive Services Inc	Repairs and Maint- Vehicles	Development	General Fund	8/14/2023	932.85
Batavia Instant Print Inc	General Printing	Development	General Fund	8/14/2023	428.60
Paddock Publications (Daily Herald)	Legal Printing	Development	General Fund	8/14/2023	186.30
Planet Depos, LLC	Legal Printing	Development	General Fund	8/14/2023	997.45
Karen Ann Miller	Employee Mileage Expense	Development	General Fund	8/28/2023	228.34
Karen Ann Miller	Employee Mileage Expense	Development	General Fund	8/28/2023	28.37
James J Plonczynski	Employee Mileage Expense	Development	General Fund	8/28/2023	28.82
American Planning Association	General Association Dues	Development	General Fund	8/14/2023	695.00
Warehouse Direct, Inc.	Office Supplies	Development	General Fund	8/14/2023	288.07
Warehouse Direct, Inc.	Office Supplies	Development	General Fund	8/14/2023	71.37
Warehouse Direct, Inc.	Office Supplies	Development	General Fund	8/28/2023	104.76
Warehouse Direct, Inc.	Office Supplies	Development	General Fund	8/28/2023	34.67
Fifth Third Bank	Office Supplies	Development	General Fund	8/28/2023	63.18
Century Springs/Ove Water Services	Operating Supplies	Development	General Fund	8/14/2023	10.58
Fifth Third Bank	Operating Supplies	Development	General Fund	8/28/2023	67.99

WEX BANK	Fuel- Vehicles	Development	General Fund	8/14/2023	1,137.07
Camic, Johnson, Ltd	Contractual/Consulting Services	Development	General Fund	8/14/2023	400.00
LRD Systems & Forms	Self-Mailer	Other- Countywide Expenses	General Fund	8/14/2023	150.00
LRD Systems & Forms	Self-Mailer	Other- Countywide Expenses	General Fund	8/14/2023	517.66
LRD Systems & Forms	Self-Mailer	Other- Countywide Expenses	General Fund	8/14/2023	150.00
LRD Systems & Forms	Self-Mailer	Other- Countywide Expenses	General Fund	8/14/2023	2,189.57
LRD Systems & Forms	Self-Mailer	Other- Countywide Expenses	General Fund	8/28/2023	726.36
FedEx	Postage	Other- Countywide Expenses	General Fund	8/14/2023	613.07
FedEx	Postage	Other- Countywide Expenses	General Fund	8/14/2023	227.57
FedEx	Postage	Other- Countywide Expenses	General Fund	8/14/2023	98.18
FedEx	Postage	Other- Countywide Expenses	General Fund	8/14/2023	69.45
Pitney Bowes Presort Services LLC	Postage	Other- Countywide Expenses	General Fund	8/14/2023	66.11
Pitney Bowes, Inc.	Postage	Other- Countywide Expenses	General Fund	8/14/2023	285.12
Pitney Bowes, Inc.	Postage	Other- Countywide Expenses	General Fund	8/14/2023	863.64
FedEx	Postage	Other- Countywide Expenses	General Fund	8/28/2023	14.88
Devnet, Inc	Software Licensing Cost	Other- Countywide Expenses	General Fund	8/14/2023	42,166.87
Fifth Third Bank	Software Licensing Cost	Other- Countywide Expenses	General Fund	8/28/2023	308.04
Hodges-Mace LLC	Software Licensing Cost	Other- Countywide Expenses	General Fund	8/28/2023	7,592.30
Insight Public Sector Inc	Software Licensing Cost	Other- Countywide Expenses	General Fund	8/28/2023	29,400.00
Dell Marketing LP	Software Licensing Cost	Other- Countywide Expenses	General Fund	8/28/2023	16,434.18
AT&T	Telephone	Other- Countywide Expenses	General Fund	8/28/2023	132.23
AT&T	Telephone	Other- Countywide Expenses	General Fund	8/28/2023	284.96
AT&T	Telephone	Other- Countywide Expenses	General Fund	8/28/2023	1,282.71
AT&T	Telephone	Other- Countywide Expenses	General Fund	8/28/2023	3,105.67
AT&T	Telephone	Other- Countywide Expenses	General Fund	8/28/2023	4,442.72
AT&T	Telephone	Other- Countywide Expenses	General Fund	8/28/2023	404.56
AT&T	Telephone	Other- Countywide Expenses	General Fund	8/28/2023	304.10
Fifth Third Bank	Telephone	Other- Countywide Expenses	General Fund	8/28/2023	203.22
AT&T Mobility	Cellular Phone	Other- Countywide Expenses	General Fund	8/14/2023	72.48
AT&T Mobility	Cellular Phone	Other- Countywide Expenses	General Fund	8/14/2023	39.37
Spok, Inc. (USA Mobility Wireless Inc)	Cellular Phone	Other- Countywide Expenses	General Fund	8/14/2023	522.06
Spok, Inc. (USA Mobility Wireless Inc)	Cellular Phone	Other- Countywide Expenses	General Fund	8/14/2023	352.17
T-Mobile USA, Inc.	Cellular Phone	Other- Countywide Expenses	General Fund	8/14/2023	47.20
Verizon Wireless	Cellular Phone	Other- Countywide Expenses	General Fund	8/28/2023	34,088.62
Thomas Cunningham	Internet	Other- Countywide Expenses	General Fund	8/14/2023	110.00
Andrew Dohr	Internet	Other- Countywide Expenses	General Fund	8/14/2023	70.00
Darin P. Earl	Internet	Other- Countywide Expenses	General Fund	8/14/2023	99.99
Robert Enright	Internet	Other- Countywide Expenses	General Fund	8/14/2023	62.00
Gary Erickson	Internet	Other- Countywide Expenses	General Fund	8/14/2023	79.99
Benjamin Fox	Internet	Other- Countywide Expenses	General Fund	8/14/2023	61.99
Eric C Gwillim	Internet	Other- Countywide Expenses	General Fund	8/14/2023	179.90
Christopher R. Hemesath	Internet	Other- Countywide Expenses	General Fund	8/14/2023	69.95
Jon Kloese	Internet	Other- Countywide Expenses	General Fund	8/14/2023	79.95
Kurt D. Lebo	Internet	Other- Countywide Expenses	General Fund	8/14/2023	68.01
Scott Novack	Internet	Other- Countywide Expenses	General Fund	8/14/2023	77.03
Jill Allen Reed	Internet	Other- Countywide Expenses	General Fund	8/14/2023	35.04
Brooke Roff	Internet	Other- Countywide Expenses	General Fund	8/14/2023	89.95
John Zakosek	Internet	Other- Countywide Expenses	General Fund	8/14/2023	89.95
Adam Tedder	Internet	Other- Countywide Expenses	General Fund	8/14/2023	239.98
Vu Tran	Internet	Other- Countywide Expenses	General Fund	8/28/2023	75.00
Steven Shackleton	Internet	Other- Countywide Expenses	General Fund	8/28/2023	179.90
Blair Peters	Internet	Other- Countywide Expenses	General Fund	8/28/2023	79.95
Corey Malis	Internet	Other- Countywide Expenses	General Fund	8/28/2023	50.00
Fifth Third Bank	Internet	Other- Countywide Expenses	General Fund	8/28/2023	596.98
Fifth Third Bank	Internet	Other- Countywide Expenses	General Fund	8/28/2023	106.99

Fifth Third Bank	Internet	Other- Countywide Expenses	General Fund	8/28/2023	2,765.23
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/14/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/14/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Bend Mutual Insurance Company	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	20.00
West Professional Auto Repair E dba Classic Towing	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	298.00
CCMSI	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	2,055.59
Northern Contracting, Inc.	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	2,645.46
Northern Contracting, Inc.	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	4,771.67
Physicians Immediate Care North Chicago, LLC	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	99.00
Spike Body Werks Inc dba Carstar Geneva Body Shop	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	2,264.17
Spike Body Werks Inc dba Carstar Geneva Body Shop	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	8,808.39
Strypes Plus More, Inc.	Liability Insurance	Human Resource Management	Insurance Liability	8/28/2023	455.00
Matthew J Goncher	Workers Compensation	Human Resource Management	Insurance Liability	8/11/2023	927.24
Illinois Workers Compensation Commission	Workers Compensation	Human Resource Management	Insurance Liability	8/28/2023	1,084.32
CCMSI	Workers Compensation	Human Resource Management	Insurance Liability	8/28/2023	53,531.32
Illinois Department of Employment Security	Unemployment Claims	Human Resource Management	Insurance Liability	8/28/2023	10,252.00
Klein, Thorpe & Jenkins, LTD.	Legal Services	State's Attorney	Insurance Liability	8/14/2023	9,340.00
The Sotos Law Firm, P.C	Legal Services	State's Attorney	Insurance Liability	8/28/2023	13,318.12
The Sotos Law Firm, P.C	Legal Services	State's Attorney	Insurance Liability	8/28/2023	496.50
		State's Attorney	Insurance Liability	8/14/2023	375.00
		State's Attorney	Insurance Liability	8/14/2023	30.00
Chronicle Media, LLC	Legal Trial Notices	State's Attorney	Insurance Liability	8/14/2023	60.00
Chronicle Media, LLC	Legal Trial Notices	State's Attorney	Insurance Liability	8/28/2023	90.00
Chronicle Media, LLC	Legal Trial Notices	State's Attorney	Insurance Liability	8/28/2023	90.00
Planet Depos, LLC	Court Reporter Costs	State's Attorney	Insurance Liability	8/14/2023	544.75
CK Reporting, LTD	Court Reporter Costs	State's Attorney	Insurance Liability	8/28/2023	206.70
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	State's Attorney	Insurance Liability	8/14/2023	85.71
Impact Networking, LLC	Repairs and Maint- Copiers	State's Attorney	Insurance Liability	8/28/2023	210.10
Fifth Third Bank	Conferences and Meetings	State's Attorney	Insurance Liability	8/28/2023	450.00
Century Springs/Ove Water Services	Office Supplies	State's Attorney	Insurance Liability	8/14/2023	2.99
Century Springs/Ove Water Services	Office Supplies	State's Attorney	Insurance Liability	8/28/2023	23.45
Century Springs/Ove Water Services	Office Supplies	Information Technologies	Geographic Information Systems	8/28/2023	13.57
Fifth Third Bank	Office Supplies	Information Technologies	Geographic Information Systems	8/28/2023	174.15
Warehouse Direct, Inc.	Office Supplies	Information Technologies	Geographic Information Systems	8/28/2023	3.85
Fifth Third Bank	Computer Related Supplies	Information Technologies	Geographic Information Systems	8/28/2023	82.10
Old Republic-MN ARP	Workers Compensation	County Board	Grand Victoria Casino Elgin	8/28/2023	15.20
Big Rock Plowing Match Association	External Grants	County Board	Grand Victoria Casino Elgin	8/14/2023	13,409.58
Girl Scouts of Northern Illinois	External Grants	County Board	Grand Victoria Casino Elgin	8/14/2023	20,000.00
Literacy Volunteers Fox Valley	External Grants	County Board	Grand Victoria Casino Elgin	8/14/2023	2,932.44
Fifth Third Bank	Office Supplies	County Board	Grand Victoria Casino Elgin	8/28/2023	93.24
Defin.Net Solutions Inc	Contractual/Consulting Services	Other- Countywide Expenses	Public Safety Sales Tax	8/28/2023	11,000.00
USIC Locating Services LLC	Communications Equipment	Other- Countywide Expenses	Public Safety Sales Tax	8/14/2023	2,035.22
Edgar J Acevedo	Conferences and Meetings	Other- Countywide Expenses	Judicial Technology Sales Tax	8/14/2023	289.47
Fifth Third Bank	Automotive Equipment	Sheriff	Sheriff's Vehicle & Equipment	8/28/2023	10,838.16
Fifth Third Bank	Automotive Equipment	Sheriff	Sheriff's Vehicle & Equipment	8/28/2023	2,145.00
Morrow Brothers Ford, Inc.	Automotive Equipment	Sheriff	Sheriff's Vehicle & Equipment	8/28/2023	40,745.00
Devnet, Inc	Computer Software- Capital	County Clerk	Vital Records Automation	8/14/2023	7,731.71

Gordon Flesch Company Inc	Repairs and Maint- Copiers	Recorder	Recorder's Automation	8/28/2023	10.40
HOV Services Inc dba an Exela Technologies Co.	Operating Supplies	Recorder	Recorder's Automation	8/14/2023	366.13
HOV Services Inc dba an Exela Technologies Co.	Operating Supplies	Recorder	Recorder's Automation	8/28/2023	366.13
Imprint Enterprises Inc	Computer Related Supplies	Recorder	Recorder's Automation	8/14/2023	460.50
Land-Code LLC	Computer Related Supplies	Recorder	Recorder's Automation	8/14/2023	444.85
SHI International Corp	Computer Related Supplies	Recorder	Recorder's Automation	8/28/2023	1,776.00
Kane County Bar Foundation, Inc.	Contractual/Consulting Services	Judiciary and Courts	Children's Waiting Room	8/28/2023	13,036.34
Deb Chan	Employee Mileage Expense	Circuit Clerk	Court Automation	8/14/2023	72.97
Accurate Document Destruction Inc (GROOT)	Destruction of Records Services	Circuit Clerk	Court Document Storage	8/28/2023	408.65
Impact Networking, LLC	Repairs and Maint- Copiers	Circuit Clerk	Court Document Storage	8/14/2023	118.80
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Circuit Clerk	Court Document Storage	8/14/2023	59.88
Canon Solutions America Inc	Repairs and Maint- Copiers	Circuit Clerk	Court Document Storage	8/28/2023	61.03
Cummins-Allison Corporation	Repairs and Maint- Equipment	Circuit Clerk	Circuit Clerk Admin Services	8/28/2023	2,256.28
Expert Lock & Safe, Inc.	Office Supplies	Circuit Clerk	Circuit Clerk Admin Services	8/14/2023	381.00
Warehouse Direct, Inc.	Office Supplies	Circuit Clerk	Circuit Clk Electronic Citation	8/28/2023	7.82
Kane County Bar Assn	General Association Dues	State's Attorney	Title IV-D	8/14/2023	140.00
Mary A Trezzo	Court Reporter Costs	State's Attorney	Drug Prosecution	8/14/2023	120.00
Jennifer Campbell	Court Reporter Costs	State's Attorney	Drug Prosecution	8/14/2023	59.00
Debra P Hogan	Court Reporter Costs	State's Attorney	Drug Prosecution	8/28/2023	28.00
Melissa K. Anderko	Court Reporter Costs	State's Attorney	Drug Prosecution	8/28/2023	160.00
Margaret (Peggy) R. Beddard	Court Reporter Costs	State's Attorney	Drug Prosecution	8/28/2023	36.00
Dana D. Bollman	Court Reporter Costs	State's Attorney	Drug Prosecution	8/28/2023	256.00
Margaret (Peggy) R. Beddard	Court Reporter Costs	State's Attorney	Domestic Violence	8/28/2023	32.00
		State's Attorney	Child Advocacy Center	8/14/2023	603.62
MaryJo D'Avola	Court Reporter Costs	State's Attorney	Child Advocacy Center	8/14/2023	22.00
Barbara A Johnston	Court Reporter Costs	State's Attorney	Child Advocacy Center	8/14/2023	26.00
Melissa K. Anderko	Court Reporter Costs	State's Attorney	Child Advocacy Center	8/28/2023	92.00
Margaret (Peggy) R. Beddard	Court Reporter Costs	State's Attorney	Child Advocacy Center	8/28/2023	72.00
Roots and Wings Counseling Consultants, LLC	Counseling Services	State's Attorney	Child Advocacy Center	8/28/2023	200.00
Julie Turner	Counseling Services	State's Attorney	Child Advocacy Center	8/28/2023	1,400.00
Impact Networking, LLC	Repairs and Maint- Copiers	State's Attorney	Child Advocacy Center	8/28/2023	420.20
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	State's Attorney	Child Advocacy Center	8/28/2023	17.37
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	State's Attorney	Child Advocacy Center	8/28/2023	23.85
Fifth Third Bank	Employee Training	State's Attorney	Child Advocacy Center	8/28/2023	(23.40)
Silvia Cruz	Operating Supplies	State's Attorney	Child Advocacy Center	8/14/2023	270.98
Fifth Third Bank	Operating Supplies	State's Attorney	Child Advocacy Center	8/28/2023	(649.79)
Thomson Reuters GRC Inc. (West Government)	Books and Subscriptions	State's Attorney	Child Advocacy Center	8/28/2023	94.40
Fifth Third Bank	Computer Software- Non Capital	State's Attorney	Child Advocacy Center	8/28/2023	15.99
WEX BANK	Fuel- Vehicles	State's Attorney	Child Advocacy Center	8/14/2023	59.56
Fifth Third Bank	Operating Supplies	Emergency Management Services	EMA Volunteer Fund	8/28/2023	624.55
Halle Cox	Conferences and Meetings	Law Library	Law Library	8/14/2023	1,284.08
Tiffany L. Montiel	Employee Mileage Expense	Law Library	Law Library	8/14/2023	89.08
Halle Cox	Employee Mileage Expense	Law Library	Law Library	8/28/2023	136.90
Ellen Fultz-Schmid	Employee Mileage Expense	Law Library	Law Library	8/28/2023	11.79
Fifth Third Bank	Office Supplies	Law Library	Law Library	8/28/2023	91.02
Fifth Third Bank	Computer Related Supplies	Law Library	Law Library	8/28/2023	255.00
Fifth Third Bank	Books and Subscriptions	Law Library	Law Library	8/28/2023	342.85
Fifth Third Bank	Food	Law Library	Law Library	8/28/2023	346.08
Fifth Third Bank	Operating Supplies	Sheriff	Cannabis Regulation - Local	8/28/2023	806.16
Fifth Third Bank	Operating Supplies	Sheriff	Cannabis Regulation - Local	8/28/2023	1,099.99
Aramark Services, Inc.	Operating Supplies	Sheriff	Sheriff DEF Federal - Treasury	8/14/2023	806.91
JJT Services, Inc. dba JLT Photography	Operating Supplies	Sheriff	Sheriff DEF Federal - Treasury	8/28/2023	3,000.00
ComEd	Contractual/Consulting Services	Kane Comm	Kane Comm	8/28/2023	31.65
Fifth Third Bank	Contractual/Consulting Services	Kane Comm	Kane Comm	8/28/2023	17.91
Motorola Solutions Inc	Contractual/Consulting Services	Kane Comm	Kane Comm	8/28/2023	1,400.00

Nationwide Power Solutions Inc	Contractual/Consulting Services	Kane Comm	Kane Comm	8/28/2023	2,462.64
PowerDMS, Inc.	Contractual/Consulting Services	Kane Comm	Kane Comm	8/28/2023	2,016.00
PowerDMS, Inc.	Contractual/Consulting Services	Kane Comm	Kane Comm	8/28/2023	2,196.56
Fifth Third Bank	Conferences and Meetings	Kane Comm	Kane Comm	8/28/2023	828.59
Sarah Stoffa	Conferences and Meetings	Kane Comm	Kane Comm	8/28/2023	1,309.09
Fifth Third Bank	Employee Training	Kane Comm	Kane Comm	8/28/2023	421.83
Andrew Baumann	Employee Mileage Expense	Kane Comm	Kane Comm	8/28/2023	227.95
Michelle Guthrie	Employee Mileage Expense	Kane Comm	Kane Comm	8/28/2023	63.54
Fifth Third Bank	Pre-Employment Physicals	Kane Comm	Kane Comm	8/28/2023	49.00
Century Springs/Ove Water Services	Office Supplies	Kane Comm	Kane Comm	8/28/2023	19.16
Century Springs/Ove Water Services	Office Supplies	Kane Comm	Kane Comm	8/28/2023	2.99
Century Springs/Ove Water Services	Office Supplies	Kane Comm	Kane Comm	8/28/2023	27.74
Warehouse Direct, Inc.	Office Supplies	Kane Comm	Kane Comm	8/28/2023	78.99
Fifth Third Bank	Operating Supplies	Kane Comm	Kane Comm	8/28/2023	100.73
Michelle Guthrie	Operating Supplies	Kane Comm	Kane Comm	8/28/2023	87.88
Fifth Third Bank	Employee Recognition Supplies	Kane Comm	Kane Comm	8/28/2023	106.22
Michelle Guthrie	Employee Recognition Supplies	Kane Comm	Kane Comm	8/28/2023	79.12
Care Clinics Inc	Contractual/Consulting Services	Court Services	Probation Services	8/14/2023	100.00
Associates in Behavioral Health Care ABC - DUI	Contractual/Consulting Services	Court Services	Probation Services	8/14/2023	150.00
Associates in Behavioral Health Care ABC - DUI	Contractual/Consulting Services	Court Services	Probation Services	8/14/2023	100.00
Associates in Behavioral Health Care ABC - DUI	Contractual/Consulting Services	Court Services	Probation Services	8/14/2023	200.00
Associates in Behavioral Health Care ABC - DUI	Contractual/Consulting Services	Court Services	Probation Services	8/14/2023	150.00
Associates in Behavioral Health Care ABC - DUI	Contractual/Consulting Services	Court Services	Probation Services	8/14/2023	100.00
Lighthouse Recovery, Inc.	Contractual/Consulting Services	Court Services	Probation Services	8/14/2023	150.00
Tools for Life, Ltd	Contractual/Consulting Services	Court Services	Probation Services	8/14/2023	375.00
Braden Counseling Center, P.C.	Contractual/Consulting Services	Court Services	Probation Services	8/28/2023	125.00
Language Line Services	Contractual/Consulting Services	Court Services	Probation Services	8/28/2023	2,323.49
About Change Counseling	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	250.00
About Change Counseling	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	368.00
About Change Counseling	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	125.00
Addiction Recovery Services, Inc.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	276.00
Addiction Recovery Services, Inc.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	460.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	100.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	90.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	100.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	200.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	70.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	400.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	150.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	50.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	80.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	530.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	80.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	540.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	40.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	90.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	200.00
Associates in Behavioral Health Care ABC - DUI	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	200.00
Ecker Center for Mental Health	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	560.00
Lighthouse Recovery, Inc.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	440.00
Tools for Life, Ltd	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	570.00
Tools for Life, Ltd	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/14/2023	720.00
Tools for Life, Ltd	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	500.00
Mutual Ground, Inc.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	58.20
Mutual Ground, Inc.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	65.00

Mutual Ground, Inc.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	65.00
One Hope United	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	19,105.26
Ecker Center for Mental Health	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	395.00
Godrocs, Inc. dba Care Clinic of Naperville	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	375.00
Kuhn Counseling Center, P.C.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	225.00
Kuhn Counseling Center, P.C.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	150.00
Braden Counseling Center, P.C.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	85.00
Braden Counseling Center, P.C.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	85.00
Braden Counseling Center, P.C.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	85.00
Braden Counseling Center, P.C.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	85.00
Braden Counseling Center, P.C.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	85.00
Braden Counseling Center, P.C.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	530.00
Braden Counseling Center, P.C.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	240.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	175.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	70.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	70.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	140.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	35.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	100.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	70.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	70.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	70.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	140.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	140.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	140.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	140.00
Community Crisis Center Inc	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
Addiction Recovery Services, Inc.	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	460.00
About Behavioral Change, NFP	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	140.00
About Behavioral Change, NFP	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	140.00
About Behavioral Change, NFP	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
About Behavioral Change, NFP	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	140.00
About Behavioral Change, NFP	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	70.00
About Behavioral Change, NFP	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	240.00
About Behavioral Change, NFP	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	175.00
About Behavioral Change, NFP	Psychological/Psychiatric Svcs	Court Services	Probation Services	8/28/2023	105.00
Fifth Third Bank	Incentives	Court Services	Probation Services	8/28/2023	1,200.00
PharmChem, Inc.	Lab Services	Court Services	Substance Abuse Screening	8/14/2023	127.80
Redwood Toxicology Inc.	Lab Services	Court Services	Substance Abuse Screening	8/28/2023	1,210.30
Redwood Toxicology Inc.	Lab Services	Court Services	Substance Abuse Screening	8/28/2023	1,235.40
Redwood Toxicology Inc.	Lab Services	Court Services	Substance Abuse Screening	8/28/2023	610.45
Redwood Toxicology Inc.	Lab Services	Court Services	Substance Abuse Screening	8/28/2023	202.70
McKesson Medical Surgical	Medical Supplies and Drugs	Court Services	Substance Abuse Screening	8/28/2023	317.27
Gateway Foundation	Contractual/Consulting Services	Court Services	Drug Court Special Resources	8/14/2023	1,670.00
Ecker Center for Mental Health	Contractual/Consulting Services	Court Services	Drug Court Special Resources	8/28/2023	549.28
Ecker Center for Mental Health	Contractual/Consulting Services	Court Services	Drug Court Special Resources	8/28/2023	1,250.00
Fifth Third Bank	Lab Services	Court Services	Drug Court Special Resources	8/28/2023	208.00
Redwood Toxicology Inc.	Lab Services	Court Services	Drug Court Special Resources	8/28/2023	6,017.10

Serenity House Counseling Services, Inc.	Halfway House	Court Services	Drug Court Special Resources	8/28/2023	76.00
Serenity House Counseling Services, Inc.	Halfway House	Court Services	Drug Court Special Resources	8/28/2023	340.00
Serenity House Counseling Services, Inc.	Halfway House	Court Services	Drug Court Special Resources	8/28/2023	340.00
Gateway Foundation	Residential Treatment	Court Services	Drug Court Special Resources	8/14/2023	4,752.00
Nicasa, NFP	Residential Treatment	Court Services	Drug Court Special Resources	8/14/2023	560.00
Nicasa, NFP	Residential Treatment	Court Services	Drug Court Special Resources	8/14/2023	640.00
Serenity House Counseling Services, Inc.	Residential Treatment	Court Services	Drug Court Special Resources	8/28/2023	340.00
Alyssa Rae Andrews	Conferences and Meetings	Court Services	Drug Court Special Resources	8/14/2023	184.00
Lena Fischer	Conferences and Meetings	Court Services	Drug Court Special Resources	8/14/2023	225.22
Fifth Third Bank	Conferences and Meetings	Court Services	Drug Court Special Resources	8/28/2023	302.83
NICOLE Villela	Employee Training	Court Services	Drug Court Special Resources	8/14/2023	182.00
Chicago Transit Authority	Sanction Incentives	Court Services	Drug Court Special Resources	8/14/2023	1,860.00
Fifth Third Bank	Sanction Incentives	Court Services	Drug Court Special Resources	8/28/2023	117.24
Fifth Third Bank	Peer Group Activities Supplies	Court Services	Drug Court Special Resources	8/28/2023	613.29
Fifth Third Bank	Employee Training	Coroner	Coroner Administration	8/28/2023	31.04
Marberry Cleaners & Launderers	Miscellaneous Contractual Exp	Coroner	Coroner Administration	8/14/2023	46.11
Marberry Cleaners & Launderers	Miscellaneous Contractual Exp	Coroner	Coroner Administration	8/14/2023	116.07
Stericycle, Inc.	Miscellaneous Contractual Exp	Coroner	Coroner Administration	8/14/2023	474.87
Copy King Office Solutions Inc	Miscellaneous Contractual Exp	Coroner	Coroner Administration	8/28/2023	287.66
Warehouse Direct, Inc.	Office Supplies	Coroner	Coroner Administration	8/14/2023	283.40
Century Springs/Ove Water Services	Operating Supplies	Coroner	Coroner Administration	8/14/2023	54.14
Classic Plastics Corporation	Operating Supplies	Coroner	Coroner Administration	8/14/2023	2,316.00
R.S. Hughes Company, Inc.	Operating Supplies	Coroner	Coroner Administration	8/14/2023	71.65
R.S. Hughes Company, Inc.	Operating Supplies	Coroner	Coroner Administration	8/14/2023	143.30
R.S. Hughes Company, Inc.	Operating Supplies	Coroner	Coroner Administration	8/14/2023	71.65
Fifth Third Bank	Operating Supplies	Coroner	Coroner Administration	8/28/2023	330.77
Fifth Third Bank	Operating Supplies	Coroner	Coroner Administration	8/28/2023	557.00
Fifth Third Bank	Uniform Supplies	Coroner	Coroner Administration	8/28/2023	260.33
Fifth Third Bank	Uniform Supplies	Coroner	Coroner Administration	8/28/2023	289.00
DuPage Salt Company	Contractual/Consulting Services	Animal Control	Animal Control	8/28/2023	27.90
Ratliff Landscaping Inc	Contractual/Consulting Services	Animal Control	Animal Control	8/28/2023	1,390.00
Waste Management of Illinois - West	Contractual/Consulting Services	Animal Control	Animal Control	8/28/2023	95.33
Jeff R. Wieser	Contractual/Consulting Services	Animal Control	Animal Control	8/28/2023	400.00
Fifth Third Bank	Veterinarian Services	Animal Control	Animal Control	8/28/2023	531.00
HLP, Inc.	Software Licensing Cost	Animal Control	Animal Control	8/28/2023	6,728.43
HLP, Inc.	Software Licensing Cost	Animal Control	Animal Control	8/28/2023	4,223.34
DuPage Salt Company	Disposal and Water Softener Srvs	Animal Control	Animal Control	8/14/2023	37.20
Fifth Third Bank	General Advertising	Animal Control	Animal Control	8/28/2023	1,362.08
Fifth Third Bank	Employee Training	Animal Control	Animal Control	8/28/2023	1,950.00
Century Springs/Ove Water Services	Office Supplies	Animal Control	Animal Control	8/28/2023	2.99
Century Springs/Ove Water Services	Office Supplies	Animal Control	Animal Control	8/28/2023	23.45
Fifth Third Bank	Office Supplies	Animal Control	Animal Control	8/28/2023	375.77
City of Geneva	Utilities- Water	Animal Control	Animal Control	8/14/2023	383.10
Midwest Veterinary Supply Inc	Animal Care Supplies	Animal Control	Animal Control	8/14/2023	119.84
Midwest Veterinary Supply Inc	Animal Care Supplies	Animal Control	Animal Control	8/14/2023	348.42
Midwest Veterinary Supply Inc	Animal Care Supplies	Animal Control	Animal Control	8/28/2023	147.70
Midwest Veterinary Supply Inc	Animal Care Supplies	Animal Control	Animal Control	8/28/2023	152.09
Fifth Third Bank	Animal Care Supplies	Animal Control	Animal Control	8/28/2023	714.91
City of Geneva	Utilities- Electric	Animal Control	Animal Control	8/14/2023	798.74
WEX BANK	Fuel- Vehicles	Animal Control	Animal Control	8/28/2023	763.06
ATT Illinois	Roadway Access Permits	Transportation	County Highway	8/28/2023	950.00
Unite Private Networks	Roadway Access Permits	Transportation	County Highway	8/28/2023	150.00
BLA Inc	Engineering Services	Transportation	County Highway	8/14/2023	1,747.50
Huff & Huff, Inc.	Engineering Services	Transportation	County Highway	8/28/2023	3,774.78
State Materials Engineering LLC	Engineering Services	Transportation	County Highway	8/28/2023	785.00

State Materials Engineering LLC	Engineering Services	Transportation	County Highway	8/28/2023	230.00
State Materials Engineering LLC	Engineering Services	Transportation	County Highway	8/28/2023	7,120.00
State Materials Engineering LLC	Engineering Services	Transportation	County Highway	8/28/2023	13,275.00
GIS Solutions Inc	Contractual/Consulting Services	Transportation	County Highway	8/28/2023	2,587.50
J Patrick Jaeger	Legal Services	Transportation	County Highway	8/28/2023	4,000.00
Tyler Medical Services, S.C.	Medical/Dental/Hospital Services	Transportation	County Highway	8/28/2023	195.00
Tyler Medical Services, S.C.	Medical/Dental/Hospital Services	Transportation	County Highway	8/28/2023	95.00
Diglet LLC	Software Licensing Cost	Transportation	County Highway	8/28/2023	266.20
doForms, Inc.	Software Licensing Cost	Transportation	County Highway	8/28/2023	2,989.50
Fifth Third Bank	Software Licensing Cost	Transportation	County Highway	8/28/2023	498.70
Paymentus Corporation	Software Licensing Cost	Transportation	County Highway	8/28/2023	7,500.00
Verizon Comms, Inc. dba Verizon Connect Fleet USA	Software Licensing Cost	Transportation	County Highway	8/28/2023	675.10
Culligan Tri City Soft Water	Disposal and Water Softener Svcs	Transportation	County Highway	8/28/2023	1,599.00
Waste Management of Illinois - West	Disposal and Water Softener Svcs	Transportation	County Highway	8/28/2023	588.90
Waste Management of Illinois - West	Disposal and Water Softener Svcs	Transportation	County Highway	8/28/2023	579.15
Waste Management of Illinois - West	Disposal and Water Softener Svcs	Transportation	County Highway	8/28/2023	32.48
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Transportation	County Highway	8/14/2023	1,406.25
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Transportation	County Highway	8/28/2023	1,406.25
Urban Elevator Service LLC	Repairs and Maint- Buildings	Transportation	County Highway	8/28/2023	299.52
KB Crane Services, Inc.	Repairs and Maint- Grounds	Transportation	County Highway	8/28/2023	650.00
Impact Networking, LLC	Repairs and Maint- Copiers	Transportation	County Highway	8/14/2023	35.20
Impact Networking, LLC	Repairs and Maint- Copiers	Transportation	County Highway	8/14/2023	53.90
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Transportation	County Highway	8/14/2023	12.64
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Transportation	County Highway	8/28/2023	181.36
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Transportation	County Highway	8/28/2023	3.54
Kimco USA Inc	Repairs and Maint- Equipment	Transportation	County Highway	8/14/2023	1,352.89
Enterprise FM Trust	Vehicle Lease	Transportation	County Highway	8/28/2023	6,994.61
Rush Truck Centers of Illinois, Inc.	Repairs and Maint- Vehicles	Transportation	County Highway	8/28/2023	30.00
Fifth Third Bank	Legal Printing	Transportation	County Highway	8/28/2023	625.00
R W Wilson Printing Co	Mapping	Transportation	County Highway	8/28/2023	8,560.00
Jessica Abdelnour	Conferences and Meetings	Transportation	County Highway	8/14/2023	92.20
Jacqueline Forbes	Conferences and Meetings	Transportation	County Highway	8/14/2023	99.14
Illinois Association of County Engineers (IACE)	Conferences and Meetings	Transportation	County Highway	8/14/2023	200.00
Heidi Lichtenberger	Conferences and Meetings	Transportation	County Highway	8/14/2023	103.77
Carl Schoedel	Conferences and Meetings	Transportation	County Highway	8/14/2023	516.70
Stephen Douglas Zulkowski	Conferences and Meetings	Transportation	County Highway	8/28/2023	62.00
Keith Bradley McGraw	Conferences and Meetings	Transportation	County Highway	8/28/2023	40.00
Amba Krupa Corporation dba Taylor Street Pizza	Conferences and Meetings	Transportation	County Highway	8/28/2023	182.16
Fifth Third Bank	Conferences and Meetings	Transportation	County Highway	8/28/2023	2,209.91
Fifth Third Bank	Employee Training	Transportation	County Highway	8/28/2023	590.00
Jessica Abdelnour	Employee Mileage Expense	Transportation	County Highway	8/14/2023	14.54
Jacqueline Forbes	Employee Mileage Expense	Transportation	County Highway	8/14/2023	12.97
Stephen Douglas Zulkowski	Employee Mileage Expense	Transportation	County Highway	8/28/2023	57.25
Fifth Third Bank	General Association Dues	Transportation	County Highway	8/28/2023	320.00
Making Kane County Fit For Kids	General Association Dues	Transportation	County Highway	8/28/2023	10,000.00
Fifth Third Bank	Office Supplies	Transportation	County Highway	8/28/2023	749.06
Staples Business Advantage	Office Supplies	Transportation	County Highway	8/28/2023	479.94
Staples Business Advantage	Office Supplies	Transportation	County Highway	8/28/2023	44.96
Warehouse Direct, Inc.	Office Supplies	Transportation	County Highway	8/28/2023	452.85
Airgas North Central, Inc.	Operating Supplies	Transportation	County Highway	8/14/2023	905.98
Cintas Corporation	Operating Supplies	Transportation	County Highway	8/14/2023	143.44
Fifth Third Bank	Operating Supplies	Transportation	County Highway	8/28/2023	418.15
Sisler's Ice, Inc.	Operating Supplies	Transportation	County Highway	8/28/2023	204.25
Airgas North Central, Inc.	Operating Supplies	Transportation	County Highway	8/28/2023	58.43
FedEx	Postage	Transportation	County Highway	8/14/2023	20.38

Fifth Third Bank	Buildings and Grounds Supplies	Transportation	County Highway	8/28/2023	110.75
Grimco Inc	Sign Material	Transportation	County Highway	8/14/2023	1,104.64
Grimco Inc	Sign Material	Transportation	County Highway	8/14/2023	152.00
3M Company	Sign Material	Transportation	County Highway	8/28/2023	3,543.94
Custom Products Corporation	Sign Material	Transportation	County Highway	8/28/2023	2,261.08
Fritel & Asso. dba Diversified Product Development	Sign Material	Transportation	County Highway	8/28/2023	500.00
Nicor Gas	Utilities- Natural Gas	Transportation	County Highway	8/14/2023	164.41
Nicor Gas	Utilities- Natural Gas	Transportation	County Highway	8/28/2023	172.91
Nicor Gas	Utilities- Natural Gas	Transportation	County Highway	8/28/2023	163.80
Nicor Gas	Utilities- Natural Gas	Transportation	County Highway	8/28/2023	107.40
Nicor Gas	Utilities- Natural Gas	Transportation	County Highway	8/28/2023	56.07
Nicor Gas	Utilities- Natural Gas	Transportation	County Highway	8/28/2023	55.41
Constellation NewEnergy-Gas Division, LLC	Utilities- Natural Gas	Transportation	County Highway	8/28/2023	624.31
Constellation NewEnergy Inc.	Utilities- Electric	Transportation	County Highway	8/14/2023	94.91
Constellation NewEnergy Inc.	Utilities- Electric	Transportation	County Highway	8/14/2023	2,312.73
Constellation NewEnergy Inc.	Utilities- Electric	Transportation	County Highway	8/28/2023	61.52
Constellation NewEnergy Inc.	Utilities- Electric	Transportation	County Highway	8/28/2023	2,523.33
City of Batavia	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	93.75
City of Batavia	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	94.45
City of Batavia	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	115.91
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	23.13
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	88.48
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	60.23
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	144.26
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	99.20
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	2,987.76
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	200.05
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	96.15
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	104.37
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	111.02
Constellation NewEnergy Inc.	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	220.87
Constellation NewEnergy Inc.	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	170.16
State of IL Treasurer-IDOT	Utilities- Intersect Lighting	Transportation	County Highway	8/14/2023	385.92
Constellation NewEnergy Inc.	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	96.17
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	8.88
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	24.45
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	159.39
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	32.70
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	162.74
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	99.76
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	26.73
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	25.08
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	12.59
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	50.89
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	149.44
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	33.24
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	38.80
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	6.73
ComEd	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	6.44
City of Batavia	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	75.48
City of Batavia	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	41.38
City of Batavia	Utilities- Intersect Lighting	Transportation	County Highway	8/28/2023	92.07
Rush Truck Centers of Illinois, Inc.	Automotive Equipment	Transportation	County Highway	8/28/2023	73,000.00
Rush Truck Centers of Illinois, Inc.	Automotive Equipment	Transportation	County Highway	8/28/2023	66,000.00
Thomas Interior Systems, Inc	Office Furniture	Transportation	County Highway	8/14/2023	31,235.57

Jensen's Plumbing & Heating Inc	Machinery and Equipment	Transportation	County Highway	8/14/2023	28,900.00
H.E.S.S. Caulking & Restoration, Inc.	Building Improvements	Transportation	County Highway	8/28/2023	19,311.00
HR GREEN Inc (formerly SEC GROUP Inc)	Bridge Inspection	Transportation	County Bridge	8/14/2023	54,352.19
Suburban Teamsters of Northern Illinois	Teamsters Contribution	Transportation	Motor Fuel Tax	8/14/2023	62,720.00
BLA Inc	Engineering Services	Transportation	Motor Fuel Tax	8/14/2023	25,819.56
BLA Inc	Engineering Services	Transportation	Motor Fuel Tax	8/14/2023	53,360.25
BLA Inc	Engineering Services	Transportation	Motor Fuel Tax	8/28/2023	33,042.16
BLA Inc	Engineering Services	Transportation	Motor Fuel Tax	8/28/2023	4,661.10
Builders Paving, LLC	Repairs and Maint- Resurfacing	Transportation	Motor Fuel Tax	8/28/2023	1,461,799.16
Martam Construction Inc	Road Construction	Transportation	Motor Fuel Tax	8/14/2023	1,145,362.98
Martam Construction Inc	Road Construction	Transportation	Motor Fuel Tax	8/28/2023	806,542.25
BLA Inc	Engineering Services	Transportation	Motor Fuel Local Option	8/14/2023	1,265.10
BLA Inc	Engineering Services	Transportation	Motor Fuel Local Option	8/14/2023	28,625.00
BLA Inc	Engineering Services	Transportation	Motor Fuel Local Option	8/14/2023	8,766.78
BLA Inc	Engineering Services	Transportation	Motor Fuel Local Option	8/14/2023	3,448.05
City of Batavia	Repairs and Maintenance- Roads	Transportation	Motor Fuel Local Option	8/28/2023	6,184.00
DTN LLC	Repairs and Maintenance- Roads	Transportation	Motor Fuel Local Option	8/28/2023	669.00
Municipal Marking Distributors, Inc.	Repairs and Maintenance- Roads	Transportation	Motor Fuel Local Option	8/28/2023	90.00
Corrective Asphalt Materials, LLC (CAM)	Repairs and Maint- Resurfacing	Transportation	Motor Fuel Local Option	8/14/2023	435,448.39
Geneva Construction Company	Repairs and Maint- Resurfacing	Transportation	Motor Fuel Local Option	8/28/2023	134,115.45
Cintas Corporation	Uniform Supplies	Transportation	Motor Fuel Local Option	8/14/2023	333.16
Cintas Corporation	Uniform Supplies	Transportation	Motor Fuel Local Option	8/28/2023	333.16
Cintas Corporation	Uniform Supplies	Transportation	Motor Fuel Local Option	8/28/2023	333.16
Cintas Corporation	Uniform Supplies	Transportation	Motor Fuel Local Option	8/28/2023	334.98
Cintas Corporation	Uniform Supplies	Transportation	Motor Fuel Local Option	8/28/2023	339.64
Timothy Knight	Uniform Supplies	Transportation	Motor Fuel Local Option	8/28/2023	131.95
AGSCO Corporation	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	386.98
Brad Manning Ford, Inc.	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	151.14
Brad Manning Ford, Inc.	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	91.33
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	18.42
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	28.34
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	55.32
FleetPride Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	262.21
FinishMaster Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	(439.65)
FinishMaster Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	439.65
FinishMaster Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	283.71
FinishMaster Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	334.11
Henderson Products Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	454.77
Henderson Products Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	454.77
JX Enterprises, Inc.	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	276.33
Via Carlita, LLC dba Hawk Ford of St. Charles	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	89.59
Via Carlita, LLC dba Hawk Ford of St. Charles	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	112.75
Via Carlita, LLC dba Hawk Ford of St. Charles	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	306.18
Lakeside International, LLC	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	166.64
PetroChoice Holdings Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	625.44
Pomps Tire Service Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	1,931.96
Rush Truck Centers of Illinois, Inc.	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	32.97
FinishMaster Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	311.88
FleetPride Inc	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	395.64
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	56.58
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	392.96
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	19.71
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	53.57
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	431.64
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	172.05

Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	53.57
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	334.56
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	392.96
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	336.37
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	155.91
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	318.32
Elburn NAPA Inc (North Aurora)	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	425.97
Fifth Third Bank	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	116.67
AGSCO Corporation	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	382.00
Battery Service Corporation	Vehicle Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	124.50
JX Enterprises, Inc.	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	397.41
Lakeside International, LLC	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	436.94
Midwest Paving Equipment, Inc.	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	395.00
Priority Products, Inc.	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	22.61
Priority Products, Inc.	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	180.01
FinishMaster Inc	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	495.58
FinishMaster Inc	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	116.42
FinishMaster Inc	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	25.43
Elburn NAPA Inc (North Aurora)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	375.40
Elburn NAPA Inc (North Aurora)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	133.58
Elburn NAPA Inc (North Aurora)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	54.96
Elburn NAPA Inc (North Aurora)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	468.43
Elburn NAPA Inc (North Aurora)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	52.02
Elburn NAPA Inc (North Aurora)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	24.96
Elburn NAPA Inc (North Aurora)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/14/2023	10.48
Elburn NAPA Inc (North Aurora)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	64.50
Fifth Third Bank	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	757.80
FinishMaster Inc	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	495.58
FinishMaster Inc	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	79.92
Priority Products, Inc.	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	12.95
Priority Products, Inc.	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	78.38
Priority Products, Inc.	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	15.58
Standard Equipment Co	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	132.59
Suburban Propane	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	161.85
Arends Hogan Walker, LLC (AHW LLC)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	126.26
Arends Hogan Walker, LLC (AHW LLC)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	921.78
Arends Hogan Walker, LLC (AHW LLC)	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	1,605.55
EJ Equipment, Inc.	Equipment Parts/Supplies	Transportation	Motor Fuel Local Option	8/28/2023	641.44
Fifth Third Bank	Tools	Transportation	Motor Fuel Local Option	8/28/2023	179.00
Fritel & Asso. dba Diversified Product Development	Tools	Transportation	Motor Fuel Local Option	8/28/2023	5,196.00
Elmhurst Chicago Stone Company	Road Material	Transportation	Motor Fuel Local Option	8/14/2023	1,017.00
Elmhurst Chicago Stone Company	Road Material	Transportation	Motor Fuel Local Option	8/14/2023	4,617.00
Elmhurst Chicago Stone Company	Road Material	Transportation	Motor Fuel Local Option	8/14/2023	1,377.00
Elmhurst Chicago Stone Company	Road Material	Transportation	Motor Fuel Local Option	8/14/2023	651.00
H&H Electric Co.	Utilities- Intersect Lighting	Transportation	Motor Fuel Local Option	8/14/2023	11,756.36
H&H Electric Co.	Utilities- Intersect Lighting	Transportation	Motor Fuel Local Option	8/14/2023	15,444.88
H&H Electric Co.	Utilities- Intersect Lighting	Transportation	Motor Fuel Local Option	8/28/2023	15,444.88
H&H Electric Co.	Utilities- Intersect Lighting	Transportation	Motor Fuel Local Option	8/28/2023	325.07
Northern Contracting, Inc.	Road Construction	Transportation	Motor Fuel Local Option	8/28/2023	650,741.00
A-to-Be USA, LLC	Engineering Services	Transportation	Transportation Sales Tax	8/14/2023	61,639.52
Alfred Benesch & Co	Engineering Services	Transportation	Transportation Sales Tax	8/14/2023	35,866.96
Crawford Murphy & Tilly Inc (CMT)	Engineering Services	Transportation	Transportation Sales Tax	8/14/2023	18,712.71
Crawford Murphy & Tilly Inc (CMT)	Engineering Services	Transportation	Transportation Sales Tax	8/14/2023	1,176.14
Kimley-Horn & Associates, Inc.	Engineering Services	Transportation	Transportation Sales Tax	8/14/2023	3,218.64
Kimley-Horn & Associates, Inc.	Engineering Services	Transportation	Transportation Sales Tax	8/14/2023	11,382.30

Kimley-Horn & Associates, Inc.	Engineering Services	Transportation	Transportation Sales Tax	8/14/2023	38,195.99
Wight & Company	Engineering Services	Transportation	Transportation Sales Tax	8/28/2023	118,445.53
Wight & Company	Engineering Services	Transportation	Transportation Sales Tax	8/28/2023	81,574.61
Wight & Company	Engineering Services	Transportation	Transportation Sales Tax	8/28/2023	112,916.47
Wight & Company	Engineering Services	Transportation	Transportation Sales Tax	8/28/2023	140,674.83
Wight & Company	Engineering Services	Transportation	Transportation Sales Tax	8/28/2023	140,307.53
Alfred Benesch & Co	Engineering Services	Transportation	Transportation Sales Tax	8/28/2023	29,006.23
Applied Pavement Technology Inc	Engineering Services	Transportation	Transportation Sales Tax	8/28/2023	75,773.40
Burns & McDonnell Engineering Co	Engineering Services	Transportation	Transportation Sales Tax	8/28/2023	97,235.21
Christopher B. Burke Engineering, Ltd.	Engineering Services	Transportation	Transportation Sales Tax	8/28/2023	14,477.97
PACE Suburban Bus	External Grants	Transportation	Transportation Sales Tax	8/14/2023	9,875.42
Southwind Industries dba Bluff City Materials, Inc	Road Construction	Transportation	Transportation Sales Tax	8/28/2023	1,662,475.01
Berger Excavating Contractors, Inc. dba Berger Con	Bridge Construction	Transportation	Transportation Sales Tax	8/28/2023	99,239.70
Chicago Title Company, LLC	Highway Right of Way	Transportation	Transportation Sales Tax	8/14/2023	925.00
Krystyna Trzaska	Highway Right of Way	Transportation	Transportation Sales Tax	8/14/2023	19,500.00
Slawomir Trzaska	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	19,500.00
JCC Realty LLC	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	785.78
JCC Realty LLC	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	4,127.38
JCC Realty LLC	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	2,712.98
JCC Realty LLC	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	1,877.58
Daniel B. Light	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	160,000.00
BCP Realty LLC	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	785.77
BCP Realty LLC	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	4,127.38
BCP Realty LLC	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	2,712.99
BCP Realty LLC	Highway Right of Way	Transportation	Transportation Sales Tax	8/28/2023	1,877.59
Dominick's Pizzeria Inc	Food Permits	Health	County Health	8/14/2023	641.25
Flavia Guzman	Food Permits	Health	County Health	8/14/2023	735.00
Rodolfo Nunez	Food Permits	Health	County Health	8/14/2023	303.00
George Torrens	Food Permits	Health	County Health	8/14/2023	482.00
Primo's Food Mart Inc.	Food Permits	Health	County Health	8/28/2023	1,207.50
Quarters Concessions	Food Permits	Health	County Health	8/28/2023	330.00
North American Midway	Food Permits	Health	County Health	8/28/2023	660.00
Propio LS, LLC	Contractual/Consulting Services	Health	County Health	8/14/2023	828.09
Propio LS, LLC	Contractual/Consulting Services	Health	County Health	8/14/2023	75.00
Propio LS, LLC	Contractual/Consulting Services	Health	County Health	8/14/2023	75.00
Propio LS, LLC	Contractual/Consulting Services	Health	County Health	8/14/2023	307.94
Propio LS, LLC	Contractual/Consulting Services	Health	County Health	8/14/2023	75.00
Propio LS, LLC	Contractual/Consulting Services	Health	County Health	8/14/2023	677.21
MB Super Holdco, Inc. dba Abila, Inc.	Contractual/Consulting Services	Health	County Health	8/14/2023	91.94
MB Super Holdco, Inc. dba Abila, Inc.	Contractual/Consulting Services	Health	County Health	8/14/2023	625.00
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	5,812.00
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	6,125.00
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,058.24
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	139.20
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,624.00
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,522.50
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,522.50
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	8,000.00
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/28/2023	1,624.00
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/28/2023	1,624.00
Propio LS, LLC	Contractual/Consulting Services	Health	County Health	8/28/2023	75.00
MedPro Waste Disposal LLC	Disposal and Water Softener Srvs	Health	County Health	8/14/2023	60.64
Shred-it USA LLC (Cintas Document Destruction)	Disposal and Water Softener Srvs	Health	County Health	8/14/2023	106.93
Shred-it USA LLC (Cintas Document Destruction)	Disposal and Water Softener Srvs	Health	County Health	8/28/2023	80.40
Shred-it USA LLC (Cintas Document Destruction)	Disposal and Water Softener Srvs	Health	County Health	8/28/2023	106.93

Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Health	County Health	8/14/2023	171.50
Peterson Cleaning, Inc. (PCI Services, Inc.)	Janitorial Services	Health	County Health	8/28/2023	214.25
Midwest Environmental Consulting Services, Inc.	Repairs and Maint- Buildings	Health	County Health	8/14/2023	1,115.00
Cipher Technology Solutions Inc (CTS of Illinois)	Repairs and Maint- Buildings	Health	County Health	8/14/2023	622.18
Cipher Technology Solutions Inc (CTS of Illinois)	Repairs and Maint- Buildings	Health	County Health	8/28/2023	977.72
Fifth Third Bank	Repairs and Maint- Vehicles	Health	County Health	8/28/2023	659.84
Gordon Flesch Company Inc	Repairs and Maint- Office Equip	Health	County Health	8/14/2023	209.00
Toshiba America Business Solutions Inc	Repairs and Maint- Office Equip	Health	County Health	8/14/2023	17.63
Toshiba America Business Solutions Inc	Repairs and Maint- Office Equip	Health	County Health	8/14/2023	9.49
Toshiba America Business Solutions Inc	Repairs and Maint- Office Equip	Health	County Health	8/14/2023	31.70
Toshiba America Business Solutions Inc	Repairs and Maint- Office Equip	Health	County Health	8/14/2023	10.89
Toshiba America Business Solutions Inc	Repairs and Maint- Office Equip	Health	County Health	8/14/2023	27.37
Toshiba America Business Solutions Inc	Repairs and Maint- Office Equip	Health	County Health	8/14/2023	4.55
Toshiba America Business Solutions Inc	Repairs and Maint- Office Equip	Health	County Health	8/28/2023	2.57
Toshiba America Business Solutions Inc	Repairs and Maint- Office Equip	Health	County Health	8/28/2023	11.51
Impact Networking, LLC	Repairs and Maint- Office Equip	Health	County Health	8/28/2023	476.30
Impact Networking, LLC	Repairs and Maint- Office Equip	Health	County Health	8/28/2023	84.70
Century Springs/Ove Water Services	Operating Supplies	Health	County Health	8/14/2023	129.99
Century Springs/Ove Water Services	Operating Supplies	Health	County Health	8/14/2023	22.15
WEX BANK	Fuel- Vehicles	Health	County Health	8/14/2023	451.16
WEX BANK	Fuel- Vehicles	Health	County Health	8/28/2023	322.22
Insight Public Sector Inc	Operating Supplies	Health	County Health	8/14/2023	234.00
ADAPCO	Operating Supplies	Health	County Health	8/14/2023	2,161.44
Roskuszka & Sons dba Wallys Printing	Operating Supplies	Health	County Health	8/28/2023	50.00
Open Text Inc	Contractual/Consulting Services	Health	County Health	8/28/2023	1,500.00
Burnidge Properties Ltd	Building Space Rental	Health	County Health	8/14/2023	1,439.87
Kristin Johnson	Employee Mileage Expense	Health	County Health	8/14/2023	36.68
Colleen R Nyland	Employee Mileage Expense	Health	County Health	8/14/2023	278.38
Colleen R Nyland	Employee Mileage Expense	Health	County Health	8/28/2023	310.50
Erin Rauscher	Employee Mileage Expense	Health	County Health	8/28/2023	118.16
William Thwaites	Employee Mileage Expense	Health	County Health	8/28/2023	96.32
William Thwaites	Employee Mileage Expense	Health	County Health	8/28/2023	43.91
Julia Vigil	Employee Mileage Expense	Health	County Health	8/28/2023	35.39
Maria E. Almanza	Employee Mileage Expense	Health	County Health	8/28/2023	75.98
Warehouse Direct, Inc.	Operating Supplies	Health	County Health	8/28/2023	498.59
Constellation NewEnergy Inc.	Utilities- Electric	Health	County Health	8/14/2023	138.86
Mitchell & McCormick, Inc	Contractual/Consulting Services	Health	County Health	8/14/2023	350.00
Mitchell & McCormick, Inc	Contractual/Consulting Services	Health	County Health	8/28/2023	350.00
Diane Dawson	Conferences and Meetings	Health	County Health	8/14/2023	40.00
Diane Dawson	Conferences and Meetings	Health	County Health	8/14/2023	30.00
Fifth Third Bank	Conferences and Meetings	Health	County Health	8/28/2023	369.04
Cheryl Kane	Employee Mileage Expense	Health	County Health	8/14/2023	66.61
Dreyer Medical Clinic	Contractual/Consulting Services	Health	County Health	8/14/2023	2,000.00
World Wide Dictation Services of New York	Contractual/Consulting Services	Health	County Health	8/14/2023	40.56
Emily Cole	Contractual/Consulting Services	Health	County Health	8/14/2023	100.00
Companeros en Salud	Contractual/Consulting Services	Health	County Health	8/14/2023	50.00
Fifth Third Bank	Operating Supplies	Health	County Health	8/28/2023	69.96
Fifth Third Bank	Contractual/Consulting Services	Health	County Health	8/28/2023	475.00
KPMG LLP	Contractual/Consulting Services	Health	County Health	8/14/2023	112,376.35
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	941.22
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,568.70
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,296.88
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,452.50
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,568.70
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,568.70

Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,568.70
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,186.07
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/14/2023	1,452.50
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/28/2023	1,624.00
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/28/2023	1,568.70
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/28/2023	1,210.14
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/28/2023	1,479.06
Peloton Inc dba Frank's Employment	Contractual/Consulting Services	Health	County Health	8/28/2023	1,369.50
KPMG LLP	Contractual/Consulting Services	Health	County Health	8/28/2023	122,140.02
Fifth Third Bank	Employee Training	Health	County Health	8/28/2023	190.40
Advocate Sherman Hospital	Operating Supplies	Health	County Health	8/28/2023	5,000.00
Fifth Third Bank	Operating Supplies	Health	County Health	8/28/2023	2,771.15
Mozart Holdings, LP dba Medline Industries, LP	Operating Supplies	Health	County Health	8/14/2023	1,108.43
Illinois State Board of Education	Kane Kares- ISBE Grant	Health	Kane Kares	8/28/2023	15,722.00
Kristina Brown	Employee Mileage Expense	Health	Kane Kares	8/14/2023	133.64
Andrene M. O'Leary	Employee Mileage Expense	Health	Kane Kares	8/14/2023	32.23
Lisa Bloom	Employee Mileage Expense	Health	Kane Kares	8/28/2023	21.35
Roskuszka & Sons dba Wallys Printing	Operating Supplies	Health	Kane Kares	8/28/2023	293.00
Isabel Garcia	Employee Mileage Expense	Health	Kane Kares	8/14/2023	16.44
Burnidge Properties Ltd	Building Space Rental	Health	Kane Kares	8/14/2023	2,382.42
Fifth Third Bank	Employee Training	Health	Kane Kares	8/28/2023	533.72
Regents of University of Colorado	Employee Training	Health	Kane Kares	8/28/2023	770.00
Family Counseling Services of Aurora	External Grants	Other- Countywide Expenses	American Rescue Plan	8/25/2023	85,000.00
Open Door Health Center of Illinois	External Grants	Other- Countywide Expenses	American Rescue Plan	8/25/2023	8,469.06
TriCity Family Services	External Grants	Other- Countywide Expenses	American Rescue Plan	8/25/2023	100,000.00
Ernst & Young U.S. LLP	Contractual/Consulting Services	Other- Countywide Expenses	American Rescue Plan	8/14/2023	73,291.40
Ernst & Young U.S. LLP	Contractual/Consulting Services	Other- Countywide Expenses	American Rescue Plan	8/14/2023	59,759.90
Ernst & Young U.S. LLP	Contractual/Consulting Services	Other- Countywide Expenses	FEMA PA Administration	8/14/2023	2,003.10
Fifth Third Bank	Employee Training	Veterans' Commission	Veterans' Commission	8/28/2023	350.00
Nicholas N. Steele	Employee Mileage Expense	Veterans' Commission	Veterans' Commission	8/14/2023	105.98
Fifth Third Bank	Office Supplies	Veterans' Commission	Veterans' Commission	8/28/2023	38.99
Fifth Third Bank	Conferences and Meetings	Information Technologies	IL Counties Information Mgmt	8/28/2023	24.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	Information Technologies	Web Technical Services	8/14/2023	756.00
Cassie Design	Contractual/Consulting Services	Information Technologies	Web Technical Services	8/28/2023	2,475.00
Fifth Third Bank	Contractual/Consulting Services	Information Technologies	Web Technical Services	8/28/2023	110.27
Fox Valley United Way	Contractual/Consulting Services	Information Technologies	Web Technical Services	8/28/2023	30,000.00
Insight Public Sector Inc	Software Licensing Cost	Information Technologies	Web Technical Services	8/14/2023	42,100.00
Gilmore Marketing Concepts, Inc. dba GMCI Creative	Contractual/Consulting Services	Development	Economic Development	8/14/2023	6,000.00
JEG 360, LLC	Contractual/Consulting Services	Development	Economic Development	8/14/2023	2,400.00
JEG 360, LLC	Contractual/Consulting Services	Development	Economic Development	8/14/2023	5,298.00
JEG 360, LLC	Contractual/Consulting Services	Development	Economic Development	8/14/2023	7,290.00
Paddock Publications (Daily Herald)	Contractual/Consulting Services	Development	Economic Development	8/14/2023	98.90
RW Ventures, LLC	Contractual/Consulting Services	Development	Economic Development	8/14/2023	50,000.00
Old Republic-MN ARP	Workers Compensation	Development	Community Dev Block Program	8/28/2023	98.80
Habitat for Humanity of Northern Fox Valley	Miscellaneous Contractual Exp	Development	Community Dev Block Program	8/14/2023	84,000.00
Spillane and Sons Ltd.	Miscellaneous Contractual Exp	Development	Community Dev Block Program	8/28/2023	137,107.46
Spillane and Sons Ltd.	Miscellaneous Contractual Exp	Development	Community Dev Block Program	8/28/2023	68,650.00
Fifth Third Bank	Office Supplies	Development	Community Dev Block Program	8/28/2023	378.46
Old Republic-MN ARP	Workers Compensation	Development	HOME Program	8/28/2023	26.60
Fifth Third Bank	Office Supplies	Development	HOME Program	8/28/2023	65.05
Conservation Foundation	Contractual/Consulting Services	Development	Cost Share Drainage	8/28/2023	600.00
Optimum Management Resources, Inc.	Contractual/Consulting Services	Development	Continuum of Care Planning Grant	8/14/2023	3,200.00
Old Republic-MN ARP	Workers Compensation	Development	Elgin CDBG	8/28/2023	79.80
Fifth Third Bank	Office Supplies	Development	Elgin CDBG	8/28/2023	97.57
Old Republic-MN ARP	Workers Compensation	Development	Emergency Rental Assistance #2	8/28/2023	140.60

Tisa M. Baum	Employee Mileage Expense	Development	Emergency Rental Assistance #2	8/14/2023	24.24
Tisa M. Baum	Employee Mileage Expense	Development	Emergency Rental Assistance #2	8/28/2023	59.10
Courtney Spears	Employee Mileage Expense	Development	Emergency Rental Assistance #2	8/28/2023	66.36
Courtney Spears	Employee Mileage Expense	Development	Emergency Rental Assistance #2	8/28/2023	15.20
Aurora Heights Apartments LLC	Miscellaneous Contractual Exp	Development	Emergency Rental Assistance #2	8/28/2023	985.00
Aurora Heights Apartments LLC	Miscellaneous Contractual Exp	Development	Emergency Rental Assistance #2	8/28/2023	985.00
Aurora Heights Apartments LLC	Miscellaneous Contractual Exp	Development	Emergency Rental Assistance #2	8/28/2023	880.00
Fifth Third Bank	Office Supplies	Development	Emergency Rental Assistance #2	8/28/2023	354.94
Old Republic-MN ARP	Workers Compensation	Development	CDBG-CV	8/28/2023	19.00
Tisa M. Baum	Employee Mileage Expense	Development	Home - ARP	8/28/2023	46.24
Tisa M. Baum	Employee Mileage Expense	Development	Home - ARP	8/28/2023	16.52
Tisa M. Baum	Employee Mileage Expense	Development	Home - ARP	8/28/2023	256.38
Courtney Spears	Employee Mileage Expense	Development	Home - ARP	8/28/2023	152.30
Courtney Spears	Employee Mileage Expense	Development	Home - ARP	8/28/2023	188.44
Spencer J. Anderson	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	1,780.00
Asumoni Property Management LLC	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	1,000.00
Mary Hager-Swanson	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	605.00
Paul N Schmolke dba Weststar Industries LLC	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	1,600.00
Preferred Home Realty (DBA Preferred Management)	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	650.00
Preferred Home Realty (DBA Preferred Management)	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	1,000.00
Preferred Home Realty (DBA Preferred Management)	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	950.00
Preferred Home Realty (DBA Preferred Management)	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	1,000.00
Preferred Home Realty (DBA Preferred Management)	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	900.00
Scott R. Woeppel dba Elgin Rental Properties, LLC	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	850.00
Edward R. Swierbinski	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	1,600.00
Edward R. Swierbinski	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	1,600.00
Tongs Brother Inc	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	850.00
Tongs Brother Inc	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	1,030.00
Tongs Brother Inc	Miscellaneous Contractual Exp	Development	Home - ARP	8/28/2023	440.00
Pale Blue Dot, LLC	Contractual/Consulting Services	Environmental Management	Elec Agg Civic Contribution	8/28/2023	1,306.67
JADE Hanna Surveyors	Contractual/Consulting Services	County Board	Farmland Preservation	8/14/2023	2,400.00
JADE Hanna Surveyors	Contractual/Consulting Services	County Board	Farmland Preservation	8/14/2023	4,800.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/14/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/14/2023	252.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/14/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/14/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Special Project Staffing dba The Salem Group	Contractual/Consulting Services	County Board	Farmland Preservation	8/28/2023	315.00
Fifth Third Bank	Conferences and Meetings	County Board	Farmland Preservation	8/28/2023	774.50
Gilmore Marketing Concepts, Inc. dba GMCI Creative	Contractual/Consulting Services	Development	Growing for Kane	8/14/2023	5,179.45
Batavia Enterprises, Inc	Prepaid Expense		Workforce Development	8/28/2023	19,599.78
County of Kendall	Prepaid Expense		Workforce Development	8/28/2023	800.00
Jeffrey W. Richardson	Prepaid Expense		Workforce Development	8/28/2023	3,144.51
Diane Turner	Employee Mileage Expense	- WIOA 22	Workforce Development	8/14/2023	15.72
Fifth Third Bank	Office Supplies	- WIOA 22	Workforce Development	8/28/2023	383.99
Impact Networking, LLC	Office Supplies	- WIOA 22	Workforce Development	8/28/2023	143.79
Warehouse Direct, Inc.	Office Supplies	- WIOA 22	Workforce Development	8/28/2023	137.90
Warehouse Direct, Inc.	Office Supplies	- WIOA 22	Workforce Development	8/28/2023	6.96
Fifth Third Bank	Office Supplies	- WIOA 22	Workforce Development	8/28/2023	34.99
Fifth Third Bank	Software Licensing Cost	- WIOA 22	Workforce Development	8/28/2023	48.26
Business and Career Services Incorporated	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/14/2023	4,382.01
Business and Career Services Incorporated	Work Based Learning Activities	- WIOA 22	Workforce Development	8/14/2023	1,861.89

Fifth Third Bank	Office Supplies	- WIOA 22	Workforce Development	8/28/2023	65.71
Elgin Community College	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/28/2023	135.00
Elgin Community College	Work Based Learning Activities	- WIOA 22	Workforce Development	8/28/2023	2,235.83
Elgin Community College	Youth Supportive Services	- WIOA 22	Workforce Development	8/28/2023	200.32
Grundy-Kendall Regional Office of Education	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/14/2023	1,067.66
Grundy-Kendall Regional Office of Education	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/28/2023	1,004.87
Grundy-Kendall Regional Office of Education	Work Based Learning Activities	- WIOA 22	Workforce Development	8/14/2023	843.92
Grundy-Kendall Regional Office of Education	Work Based Learning Activities	- WIOA 22	Workforce Development	8/28/2023	1,062.68
Grundy-Kendall Regional Office of Education	Youth Supportive Services	- WIOA 22	Workforce Development	8/28/2023	30.00
Fifth Third Bank	Software Licensing Cost	- WIOA 22	Workforce Development	8/28/2023	144.78
Business and Career Services Incorporated	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/14/2023	3,952.67
Central States SER, Jobs for Progress, Inc.	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/14/2023	9,999.78
National Youth Advocate Program, Inc.	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/14/2023	2,385.97
Parents Alliance Employment Project	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/28/2023	4,007.39
Business and Career Services Incorporated	Work Based Learning Activities	- WIOA 22	Workforce Development	8/14/2023	2,241.58
Central States SER, Jobs for Progress, Inc.	Work Based Learning Activities	- WIOA 22	Workforce Development	8/14/2023	3,811.03
Parents Alliance Employment Project	Work Based Learning Activities	- WIOA 22	Workforce Development	8/28/2023	12,043.22
Central States SER, Jobs for Progress, Inc.	Youth Supportive Services	- WIOA 22	Workforce Development	8/14/2023	30.96
Parents Alliance Employment Project	Youth Supportive Services	- WIOA 22	Workforce Development	8/28/2023	235.20
Business and Career Services Incorporated	YOUTH OJT	- WIOA 22	Workforce Development	8/14/2023	6,320.63
Central States SER, Jobs for Progress, Inc.	Academic/Pre-Vocational Services	- WIOA 22	Workforce Development	8/14/2023	71.94
Fifth Third Bank	Office Supplies	- WIOA 22	Workforce Development	8/28/2023	197.11
Kishwaukee College	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/28/2023	9,420.35
Kishwaukee College	Work Based Learning Activities	- WIOA 22	Workforce Development	8/28/2023	8,255.97
Kishwaukee College	Youth ITA	- WIOA 22	Workforce Development	8/28/2023	7,791.37
Kishwaukee College	Youth Supportive Services	- WIOA 22	Workforce Development	8/28/2023	3,150.00
Elgin Community College	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/28/2023	9,258.56
Elgin Community College	Work Based Learning Activities	- WIOA 22	Workforce Development	8/28/2023	10,217.82
Elgin Community College	Youth ITA	- WIOA 22	Workforce Development	8/28/2023	8,011.00
Elgin Community College	Youth Supportive Services	- WIOA 22	Workforce Development	8/28/2023	892.32
Grundy-Kendall Regional Office of Education	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/14/2023	4,542.70
Grundy-Kendall Regional Office of Education	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/28/2023	4,480.50
Grundy-Kendall Regional Office of Education	Work Based Learning Activities	- WIOA 22	Workforce Development	8/14/2023	1,275.81
Grundy-Kendall Regional Office of Education	Work Based Learning Activities	- WIOA 22	Workforce Development	8/28/2023	1,965.45
Grundy-Kendall Regional Office of Education	Youth Supportive Services	- WIOA 22	Workforce Development	8/14/2023	647.78
Grundy-Kendall Regional Office of Education	Youth Supportive Services	- WIOA 22	Workforce Development	8/28/2023	427.95
Grundy-Kendall Regional Office of Education	Academic/Pre-Vocational Services	- WIOA 22	Workforce Development	8/28/2023	360.00
Aplus System, LLC	Janitorial Services	- WIOA 22	Workforce Development	8/14/2023	93.24
Amanda Weinreis	Employee Mileage Expense	- WIOA 22	Workforce Development	8/14/2023	20.44
Lindsay Hutchins	Employee Mileage Expense	- WIOA 22	Workforce Development	8/28/2023	38.51
Roberto D. Rivera	Employee Mileage Expense	- WIOA 22	Workforce Development	8/28/2023	117.59
APS Training Inst., Inc. dba APS Training Academy	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/28/2023	137.50
Employment & Employer Services, Inc.	Work Based Learning Activities	- WIOA 22	Workforce Development	8/28/2023	10,271.31
Fifth Third Bank	Internet	- WIOA 22	Workforce Development	8/28/2023	71.98
Symbol Training Institute	DT ITA	- WIOA 22	Workforce Development	8/14/2023	10,000.00
Alpha Truck Driving School Inc	DT ITA	- WIOA 22	Workforce Development	8/14/2023	4,999.00
CDL America, Inc.	DT ITA	- WIOA 22	Workforce Development	8/14/2023	6,072.00
CDL America, Inc.	DT ITA	- WIOA 22	Workforce Development	8/14/2023	5,175.00
Rasmussen College	DT ITA	- WIOA 22	Workforce Development	8/14/2023	3,125.00
Rock Gate Capital, LLC (dba 160 Driving Academy)	DT ITA	- WIOA 22	Workforce Development	8/28/2023	5,413.00
Sapphire Ingram	DT ITA	- WIOA 22	Workforce Development	8/28/2023	362.00
Board of Trustees of Illinois State University	DT ITA	- WIOA 22	Workforce Development	8/28/2023	4,551.30
West Chicago Professional Center, Inc.	DT ITA	- WIOA 22	Workforce Development	8/28/2023	4,950.00
West Chicago Professional Center, Inc.	DT ITA	- WIOA 22	Workforce Development	8/28/2023	5,000.00
West Chicago Professional Center, Inc.	DT ITA	- WIOA 22	Workforce Development	8/28/2023	5,000.00

Via Carlita, LLC dba Hawk Ford of St. Charles	DT OJT (On the Job Training)	- WIOA 22	Workforce Development	8/14/2023	12,480.00
Dynamic Works Institute	DT Job Readiness Training	- WIOA 22	Workforce Development	8/28/2023	3,017.92
Dynamic Works Institute	DT Job Readiness Training	- WIOA 22	Workforce Development	8/28/2023	7,590.52
Erik Acevedo	SS Transportation Assistance	- WIOA 22	Workforce Development	8/14/2023	176.85
Erik Acevedo	SS Transportation Assistance	- WIOA 22	Workforce Development	8/28/2023	212.22
National Youth Advocate Program, Inc.	SS Other Supportive Services	- WIOA 22	Workforce Development	8/14/2023	803.01
Waubensee Community College	SS Other Supportive Services	- WIOA 22	Workforce Development	8/14/2023	46.45
Antoinette Tirado	SS Other Supportive Services	- WIOA 22	Workforce Development	8/28/2023	399.00
Antoinette Tirado	SS Other Supportive Services	- WIOA 22	Workforce Development	8/28/2023	399.00
Midwest Safe Driver LLC	DT ITA	- WIOA 22	Workforce Development	8/14/2023	4,920.00
Northern Illinois University	DT ITA	- WIOA 22	Workforce Development	8/14/2023	4,349.94
Northern Illinois University	DT ITA	- WIOA 22	Workforce Development	8/14/2023	577.64
Rasmussen College	DT ITA	- WIOA 22	Workforce Development	8/14/2023	2,000.00
Shanta Faulkner	SS Transportation Assistance	- WIOA 22	Workforce Development	8/14/2023	251.52
Shanta Faulkner	SS Transportation Assistance	- WIOA 22	Workforce Development	8/14/2023	125.76
Shanta Faulkner	SS Transportation Assistance	- WIOA 22	Workforce Development	8/28/2023	347.41
Board of Trustees Eastern Illinois University	DT ITA	- WIOA 22	Workforce Development	8/14/2023	2,501.88
Wolf Driving School, Inc.	DT ITA	- WIOA 22	Workforce Development	8/14/2023	6,836.50
Mechanics Local 701 Training Fund	DT ITA	- WIOA 22	Workforce Development	8/14/2023	605.00
Mechanics Local 701 Training Fund	DT ITA	- WIOA 22	Workforce Development	8/14/2023	1,200.00
Mechanics Local 701 Training Fund	DT ITA	- WIOA 22	Workforce Development	8/28/2023	4,814.28
Mechanics Local 701 Training Fund	DT ITA	- WIOA 22	Workforce Development	8/28/2023	1,487.50
Mechanics Local 701 Training Fund	DT ITA	- WIOA 22	Workforce Development	8/28/2023	900.00
Rock Gate Capital, LLC (dba 160 Driving Academy)	DT ITA	- WIOA 22	Workforce Development	8/28/2023	5,488.00
West Chicago Professional Center, Inc.	DT ITA	- WIOA 22	Workforce Development	8/28/2023	5,000.00
West Chicago Professional Center, Inc.	DT ITA	- WIOA 22	Workforce Development	8/28/2023	5,000.00
Wolf Driving School, Inc.	DT ITA	- WIOA 22	Workforce Development	8/28/2023	6,237.00
Elgin Community College	DT ITA	- WIOA 22	Workforce Development	8/28/2023	983.20
Elgin Community College	DT Class Size Training	- WIOA 22	Workforce Development	8/14/2023	5,974.05
Elgin Community College	SS Transportation Assistance	- WIOA 22	Workforce Development	8/14/2023	200.16
Lydia Nevaeh Flores	SS Transportation Assistance	- WIOA 22	Workforce Development	8/14/2023	30.13
Sebastian Negron	SS Transportation Assistance	- WIOA 22	Workforce Development	8/14/2023	38.90
Sebastian Negron	SS Transportation Assistance	- WIOA 22	Workforce Development	8/28/2023	38.90
Sebastian Negron	SS Transportation Assistance	- WIOA 22	Workforce Development	8/28/2023	38.90
Lydia Nevaeh Flores	SS Transportation Assistance	- WIOA 22	Workforce Development	8/28/2023	90.39
Cheryl Weiler	Employee Mileage Expense	- WIOA 22	Workforce Development	8/28/2023	96.47
Microtrain Technologies	DT ITA	- WIOA 22	Workforce Development	8/14/2023	4,055.00
Rasmussen College	DT ITA	- WIOA 22	Workforce Development	8/14/2023	3,125.00
Rasmussen College	DT ITA	- WIOA 22	Workforce Development	8/14/2023	1,702.58
Rasmussen College	DT ITA	- WIOA 22	Workforce Development	8/14/2023	1,923.00
Waubensee Community College	DT ITA	- WIOA 22	Workforce Development	8/28/2023	1,220.35
Microtrain Technologies	DT ITA	- WIOA 22	Workforce Development	8/28/2023	7,985.00
Adtalem Global Eductn dba Chamberlain University	DT ITA	- WIOA 22	Workforce Development	8/28/2023	600.00
Aplus System, LLC	Janitorial Services	- WIOA 22	Workforce Development	8/14/2023	139.86
Amanda Weinreis	Employee Mileage Expense	- WIOA 22	Workforce Development	8/14/2023	18.86
Lindsay Hutchins	Employee Mileage Expense	- WIOA 22	Workforce Development	8/28/2023	40.09
Roberto D. Rivera	Employee Mileage Expense	- WIOA 22	Workforce Development	8/28/2023	127.38
APS Training Inst., Inc. dba APS Training Academy	Miscellaneous Contractual Exp	- WIOA 22	Workforce Development	8/28/2023	137.50
Employment & Employer Services, Inc.	Work Based Learning Activities	- WIOA 22	Workforce Development	8/28/2023	15,406.98
Fifth Third Bank	Internet	- WIOA 22	Workforce Development	8/28/2023	107.97
Rasmussen College	DT ITA	- WIOA 22	Workforce Development	8/14/2023	1,657.00
Rock Gate Capital, LLC (dba 160 Driving Academy)	DT ITA	- WIOA 22	Workforce Development	8/14/2023	5,488.00
Rock Gate Capital, LLC (dba 160 Driving Academy)	DT ITA	- WIOA 22	Workforce Development	8/28/2023	5,488.00
Rock Gate Capital, LLC (dba 160 Driving Academy)	DT ITA	- WIOA 22	Workforce Development	8/28/2023	5,488.00
Waubensee Community College	DT ITA	- WIOA 22	Workforce Development	8/28/2023	1,543.00

Dynamic Works Institute	DT Job Readiness Training	- WIOA 22	Workforce Development	8/28/2023	6,127.28
Dynamic Works Institute	DT Job Readiness Training	- WIOA 22	Workforce Development	8/28/2023	1,554.68
National Youth Advocate Program, Inc.	SS Other Supportive Services	- WIOA 22	Workforce Development	8/14/2023	1,630.34
Rock Gate Capital, LLC (dba 160 Driving Academy)	DT ITA	- WIOA 22	Workforce Development	8/14/2023	5,488.00
Waubensee Community College	DT ITA	- WIOA 22	Workforce Development	8/28/2023	399.20
Waubensee Community College	DT ITA	- WIOA 22	Workforce Development	8/28/2023	6.68
Microtrain Technologies	DT ITA	- WIOA 22	Workforce Development	8/28/2023	4,530.00
Elgin Community College	DT ITA	- WIOA 22	Workforce Development	8/28/2023	1,029.50
Microtrain Technologies	DT ITA	- WIOA 22	Workforce Development	8/28/2023	4,160.00
Elgin Community College	DT Class Size Training	- WIOA 22	Workforce Development	8/14/2023	4,974.04
Cheryl Weiler	Employee Mileage Expense	- WIOA 22	Workforce Development	8/28/2023	72.77
Microtrain Technologies	DT ITA	- WIOA 22	Workforce Development	8/28/2023	3,095.00
Waubensee Community College	DT ITA	- WIOA 22	Workforce Development	8/28/2023	475.50
E J Rohn Company dba Specialty Mat Service	Professional Services	Operating Pool	Workforce Development	8/14/2023	30.51
E J Rohn Company dba Specialty Mat Service	Professional Services	Operating Pool	Workforce Development	8/14/2023	30.51
Fifth Third Bank	Professional Services	Operating Pool	Workforce Development	8/28/2023	57.09
Aplus System, LLC	Janitorial Services	Operating Pool	Workforce Development	8/14/2023	1,207.19
Toshiba America Business Solutions Inc	Repairs and Maint- Copiers	Operating Pool	Workforce Development	8/28/2023	308.06
Warehouse Direct, Inc.	Office Supplies	Operating Pool	Workforce Development	8/14/2023	120.78
Warehouse Direct, Inc.	Office Supplies	Operating Pool	Workforce Development	8/14/2023	379.78
Data Recognition Corporation- DRC	Office Supplies	Operating Pool	Workforce Development	8/14/2023	502.15
Fifth Third Bank	Office Supplies	Operating Pool	Workforce Development	8/28/2023	891.75
Nicor Gas	Utilities- Natural Gas	Operating Pool	Workforce Development	8/14/2023	49.77
Nicor Gas	Utilities- Natural Gas	Operating Pool	Workforce Development	8/14/2023	25.50
City of Batavia	Utilities- Electric	Operating Pool	Workforce Development	8/28/2023	81.47
Fifth Third Bank	Telephone	Operating Pool	Workforce Development	8/28/2023	24.96
Fifth Third Bank	Internet	Operating Pool	Workforce Development	8/28/2023	285.35
Kruis Inc (Sparkle Janitorial Service)	Janitorial Services	Operating Pool	Workforce Development	8/14/2023	1,250.00
Fifth Third Bank	Office Supplies	Operating Pool	Workforce Development	8/28/2023	5.69
Warehouse Direct, Inc.	Office Supplies	Operating Pool	Workforce Development	8/28/2023	236.10
Nicor Gas	Utilities- Natural Gas	Operating Pool	Workforce Development	8/14/2023	50.49
ComEd	Utilities- Electric	Operating Pool	Workforce Development	8/14/2023	151.46
Fifth Third Bank	Telephone	Operating Pool	Workforce Development	8/28/2023	64.85
Fifth Third Bank	Internet	Operating Pool	Workforce Development	8/28/2023	264.85
MCI	Telephone	Operating Pool	Workforce Development	8/28/2023	46.64
Fifth Third Bank	Internet	Operating Pool	Workforce Development	8/28/2023	169.90
Fifth Third Bank	Software Licensing Cost	One-Stop shared costs	Workforce Development	8/28/2023	337.88
E J Rohn Company dba Specialty Mat Service	Professional Services	One-Stop shared costs	Workforce Development	8/14/2023	29.06
E J Rohn Company dba Specialty Mat Service	Professional Services	One-Stop shared costs	Workforce Development	8/14/2023	29.06
Fifth Third Bank	Professional Services	One-Stop shared costs	Workforce Development	8/28/2023	54.37
Aplus System, LLC	Janitorial Services	One-Stop shared costs	Workforce Development	8/14/2023	1,149.71
Kelly Ann Waynauskas	Employee Mileage Expense	One-Stop shared costs	Workforce Development	8/14/2023	116.33
Kelly Ann Waynauskas	Employee Mileage Expense	One-Stop shared costs	Workforce Development	8/28/2023	89.89
Tara Crosby	Employee Mileage Expense	One-Stop shared costs	Workforce Development	8/28/2023	35.57
Fifth Third Bank	Office Supplies	One-Stop shared costs	Workforce Development	8/28/2023	29.72
Impact Networking, LLC	Office Supplies	One-Stop shared costs	Workforce Development	8/28/2023	23.41
Nicor Gas	Utilities- Natural Gas	One-Stop shared costs	Workforce Development	8/14/2023	24.28
City of Batavia	Utilities- Electric	One-Stop shared costs	Workforce Development	8/28/2023	77.60
Fifth Third Bank	Telephone	One-Stop shared costs	Workforce Development	8/28/2023	23.77
Fifth Third Bank	Internet	One-Stop shared costs	Workforce Development	8/28/2023	271.77
Fifth Third Bank	Communication/Web Host	One-Stop shared costs	Workforce Development	8/28/2023	41.00
Kelly Ann Waynauskas	Employee Mileage Expense	One-Stop Operator	Workforce Development	8/14/2023	44.61
National Youth Advocate Program, Inc.	Miscellaneous Contractual Exp	WDD Riverboat	Workforce Development	8/14/2023	829.90
National Youth Advocate Program, Inc.	Miscellaneous Contractual Exp	WDD Riverboat	Workforce Development	8/14/2023	7,157.91
Fifth Third Bank	Computers	Other- Countywide Expenses	Capital Projects	8/28/2023	8,159.57

Healy, Bender, Patton, & Been Architects	Contractual/Consulting Services	Other- Countywide Expenses	Capital Projects	8/28/2023	6,512.50
Wight & Company	Contractual/Consulting Services	Other- Countywide Expenses	Capital Projects	8/28/2023	2,839.95
Wight & Company	Contractual/Consulting Services	Other- Countywide Expenses	Capital Projects	8/28/2023	52,441.61
River View Ford Inc	Automotive Equipment	Other- Countywide Expenses	Capital Projects	8/29/2023	43,376.00
River View Ford Inc	Automotive Equipment	Other- Countywide Expenses	Capital Projects	8/29/2023	46,733.00
Phigenics, LLC	Building Improvements	Other- Countywide Expenses	Capital Projects	8/14/2023	5,510.00
Siemens Industry Inc	Building Improvements	Other- Countywide Expenses	Capital Projects	8/28/2023	3,000.00
Johnson Controls Security Solutions (Tyco)	Building Improvements	Other- Countywide Expenses	Capital Projects	8/28/2023	959.53
SteelSentry, Inc.	Special Purpose Equipment	Other- Countywide Expenses	Capital Projects	8/28/2023	32,962.22
Wight & Company	Building Improvements	Other- Countywide Expenses	Judicial Facility Construction	8/25/2023	70,327.67
Wight & Company	Building Improvements	Other- Countywide Expenses	Judicial Facility Construction	8/25/2023	65,165.27
Wight & Company	Building Improvements	Other- Countywide Expenses	Judicial Facility Construction	8/25/2023	62,516.79
Wight & Company	Building Improvements	Other- Countywide Expenses	Judicial Facility Construction	8/28/2023	5,186.00
Cornerstone Partners Horticultural Services Co.	Repairs and Maint- Grounds	Development	Mill Creek Special Service Area	8/14/2023	5,023.00
Cornerstone Partners Horticultural Services Co.	Repairs and Maint- Grounds	Development	Mill Creek Special Service Area	8/14/2023	6,303.00
Cornerstone Partners Horticultural Services Co.	Repairs and Maint- Grounds	Development	Mill Creek Special Service Area	8/14/2023	2,463.30
Cornerstone Partners Horticultural Services Co.	Repairs and Maint- Grounds	Development	Mill Creek Special Service Area	8/28/2023	715.51
Outdoor Home Svc. Hold., LLC dba TruGreen & Action	Repairs and Maint- Grounds	Development	Mill Creek Special Service Area	8/28/2023	5,850.00
All American Flag Company	Repairs and Maint- Grounds	Development	Mill Creek Special Service Area	8/28/2023	2,664.96
Tri City Land Management Co., LLC	Building Space Rental	Development	Mill Creek Special Service Area	8/14/2023	1,069.54
Kellenberger Electric, Inc.	Intersect Lighting Services	Development	Mill Creek Special Service Area	8/14/2023	15,950.00
ComEd	Utilities- Intersect Lighting	Development	Mill Creek Special Service Area	8/14/2023	191.32
ComEd	Utilities- Intersect Lighting	Development	Mill Creek Special Service Area	8/14/2023	341.24
Nicor Gas	Utilities- Intersect Lighting	Development	Mill Creek Special Service Area	8/14/2023	50.14
ComEd	Utilities- Intersect Lighting	Development	Mill Creek Special Service Area	8/28/2023	82.63
ComEd	Utilities- Intersect Lighting	Development	Mill Creek Special Service Area	8/28/2023	25.40
RES Great Lakes LLC (Applied Ecological Services)	Repairs and Maint- Stormwater	Development	Wildwood West SBA SW41	8/28/2023	725.00
Southwind Industries dba Bluff City Materials, Inc	Road Construction	Transportation	North Impact Fees	8/14/2023	1,221,360.78
Zions Bank	Restricted Cash & Investments		Longmeadow Debt Service	8/31/2023	143,240.01
Cornerstone Partners Horticultural Services Co.	Contractual/Consulting Services	Environmental Management	Enterprise Surcharge	8/28/2023	2,265.20
Cornerstone Partners Horticultural Services Co.	Contractual/Consulting Services	Environmental Management	Enterprise Surcharge	8/28/2023	998.75
Cornerstone Partners Horticultural Services Co.	Contractual/Consulting Services	Environmental Management	Enterprise Surcharge	8/28/2023	1,132.60
Century Springs/Ove Water Services	Operating Supplies	Environmental Management	Enterprise Surcharge	8/28/2023	2.99
Fifth Third Bank	Operating Supplies	Environmental Management	Enterprise Surcharge	8/28/2023	1,498.63
Fluorecycle, Inc.	Operating Supplies	Environmental Management	Enterprise Surcharge	8/28/2023	330.51
Fluorecycle, Inc.	Operating Supplies	Environmental Management	Enterprise Surcharge	8/28/2023	75.00
AssuredPartners Cap. dba Assured Partnrs of IL LLC	Contractual/Consulting Services	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	9,000.00
Flexible Benefits Service, LLC	Healthcare Admin Services	Other- Countywide Expenses	Health Insurance Fund	8/28/2023	1,109.25
Health Care Service Corporation dba BCBSIL	Healthcare - Stop Loss Insurance	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	(17,842.17)
Fidelity Security Life Insurance Company (Eyemed)	Healthcare - Vision Insurance	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	6,778.94
Cigna Health and Life Insurance Company	Healthcare - Dental Insurance	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	62,354.72
Catilize Health, Inc. dba Catilize Health	Healthcare - Medical Expense Reimbursement	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	8,684.18
Catilize Health, Inc. dba Catilize Health	Healthcare - Medical Expense Reimbursement	Other- Countywide Expenses	Health Insurance Fund	8/28/2023	3,639.56
Health Care Service Corporation dba BCBSIL	Healthcare - Stop Loss Insurance	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	62,830.82
Health Care Service Corporation dba BCBSIL	Self Insured Healthcare Claims	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	665,860.23
Health Care Service Corporation dba BCBSIL	Self Insured Healthcare Claims Administration	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	21,051.44
Health Care Service Corporation dba BCBSIL	Healthcare Facility Access Fee	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	561.73
Health Care Service Corporation dba BCBSIL	Healthcare Credits	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	(30,586.01)
Health Care Service Corporation dba BCBSIL	Healthcare - Stop Loss Insurance	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	46,720.44
Health Care Service Corporation dba BCBSIL	Self Insured Healthcare Claims	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	544,019.11
Health Care Service Corporation dba BCBSIL	Self Insured Healthcare Claims Administration	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	30,539.23
Health Care Service Corporation dba BCBSIL	Healthcare HMO Managed Care Fee	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	8,803.80
Health Care Service Corporation dba BCBSIL	Healthcare Physician Services Fee	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	216,284.93
Health Care Service Corporation dba BCBSIL	Healthcare Credits	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	(47,413.89)
Humana Insurance Company	Healthcare - Health Insurance	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	10,723.15

Humana Insurance Company	Healthcare - Health Insurance	Other- Countywide Expenses	Health Insurance Fund	8/14/2023	10,723.15
Humana Insurance Company	Healthcare - Health Insurance	Other- Countywide Expenses	Health Insurance Fund	8/28/2023	10,723.15
ComEd	Accrued Liabilities		Special Trust	8/3/2023	20,000.00
Intrado Life & Safety Solutions Corporation	Accrued Liabilities		911 Emergency Surcharge	8/28/2023	35,675.32
John F. Harahan	Distribution	Information Technologies	911 Emergency Surcharge	8/14/2023	875.00
KenCom (Kendall County Emergency Phone Service)	Distribution	Information Technologies	911 Emergency Surcharge	8/14/2023	5,043.18
Voiance Language Services, LLC	Distribution	Information Technologies	911 Emergency Surcharge	8/14/2023	435.75
AT&T	Distribution	Information Technologies	911 Emergency Surcharge	8/14/2023	78.48
AT&T	Distribution	Information Technologies	911 Emergency Surcharge	8/14/2023	217.92
Jerald Bleck	Distribution	Information Technologies	911 Emergency Surcharge	8/28/2023	618.75
Intrado Life & Safety Solutions Corporation	Distribution	Information Technologies	911 Emergency Surcharge	8/28/2023	34,731.86
Tri-Com Central Dispatch/City of Geneva	Distribution	Information Technologies	Wireless 911	8/14/2023	190,088.89
Illinois Department of Revenue	Accrued Liabilities		Recorder's Rental Surcharge	8/1/2023	68,922.00
Flexible Benefits Service, LLC	Accrued Liabilities		Flexible Spending Account	8/14/2023	7,203.05
Flexible Benefits Service, LLC	Accrued Liabilities		Flexible Spending Account	8/14/2023	9,766.98
Flexible Benefits Service, LLC	Accrued Liabilities		Flexible Spending Account	8/28/2023	6,417.67
Flexible Benefits Service, LLC	Accrued Liabilities		Flexible Spending Account	8/28/2023	6,490.82
State of Illinois Treasurer	Accrued Liabilities		County Clerk Domestic Violence	8/14/2023	1,575.00
IL Dept of Public Health, Div of Vital Records	Accrued Liabilities		Death Certificates	8/14/2023	9,360.00
Illinois Department of Revenue	Accrued Liabilities		State Real Estate Transfer Tax	8/1/2023	309,147.50
				1998	15,973,694.98

STATE OF ILLINOIS)

SS.

COUNTY OF KANE)

RESOLUTION NO. TMP-23-1270

AUTHORIZING THE SALARY ADJUSTMENT FOR THE EXECUTIVE DIRECTOR OF KANE COUNTY EMERGENCY COMMUNICATIONS

WHEREAS, KaneComm is responsible for answering 9-1-1 emergency telephone calls and dispatching the appropriate public safety agency to handle such emergencies; and

WHEREAS, Kane County Human Resources has been reviewing County staff for internal equity; and

WHEREAS, the County Board has reviewed the salary for the Director of KaneComm; and

WHEREAS, Human Resources under the direction of the County Board has noted an inequity in the salary of the KaneComm Director as compared to other Directors and professionals in the 9-1-1 industry that warrants immediate correction for Fiscal Year 2023; and

WHEREAS, funding for equity adjustments has been provided for in the Fiscal Year 2023 budget and is currently in contingency in the General Fund budget.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the annual salary of the Executive Director of KaneComm be increased to \$125,000 effective the first full pay period of FY2023 and the following adjustments be made to the Fiscal Year 2023 budget to provide funding for this expense:

\$19,081	269.425.426.40000	Salaries and Wages
\$1,460	269.425.426.45100	FICA/SS Contribution
\$983	269.425.426.45200	IMRF Contribution
\$557	269.425.426.53000	Liability Insurance
\$424	269.425.426.53010	Workers Compensation
\$8	269.425.426.53020	Unemployment Claims
(\$22,513)	269.425.000.39001	Transfer from the General Fund
\$22,513	001.900.900.99269	Transfer to Fund 269
(\$22,513)	001.900.900.85010	Allowance for Employee Expense

Passed by the Kane County Board on October 10, 2023

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

Authorizing the Salary Adjustment for the Executive Director of Kane County Emergency Communications

Committee Flow:

Judicial Public Safety Committee, Finance and Budget Committee, Executive Committee, County Board

Contact:

Michelle Guthrie 630.232.5988

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$125,000
If not budgeted, explain funding source: N/A	

Summary:

This resolution authorizes the increase of the Executive Director of Kane County Emergency Communications salary to \$125,000, effective with the first full pay period of FY2023.

STATE OF ILLINOIS)

SS.

COUNTY OF KANE)

RESOLUTION NO. TMP-23-1151

**AUTHORIZING THE KANE COUNTY SHERIFF’S OFFICE NEW
ADMINISTRATION WING PROJECT AND A BUDGET ADJUSTMENT TO THE
CAPITAL FUND**

WHEREAS, Bids have been solicited and received for the Kane County Sheriff’s Office New Administration Wing Project (BID #23-037). A total of seven (7) bids were received and opened publicly on Thursday, July 20, 2023, at 3:30 pm; and

WHEREAS, Kluber, Incorporated held a project scope review with the most responsible bidder after the bid opening to ensure that they fully understood the project and the contract requirements. They acknowledged full understanding and acceptance of the terms. In addition, Kluber, Inc. also reviewed LCI’s qualification statement and references and are satisfied that the awardee meets their recommended standards; and

WHEREAS, per bid documents and specifications, Kluber, Inc. recommends that the project be awarded to Lite Construction, Inc (LCI), 711 S. Lake Street, Montgomery, IL 60538 for a Total Bid of \$649,674.00. LCI is in agreement that the scope of work was also included in their bid; and

WHEREAS, Kluber, Inc. further recommends that the total project cost also include a project contingency of \$60,000.00 to handle any issues during construction. The suggested contingency value for the project was included in the grand total project cost of \$649,674.00; and

WHEREAS, the \$60,000.00 contingency will be held by the County; and

WHEREAS, the Kane County Sheriff’s Office has retained Kluber Inc., 41 W. Benton Street, Aurora, IL 60506 to provide construction administration services for the project in the amount of Nineteen Thousand, Nine Hundred Fifty Dollars and 00/100 (\$19,950.00); and

WHEREAS, the Kane County Sheriff’s Office requests that \$500,000.00 of Capital Fund 500 be reserved to fund the Kane County Sheriff’s Office Administration Wing Project.

NOW, THEREFORE, BE IT RESOLVED that the Kane County Board that the following adjustment be made to the Fiscal Year 2023 budget assignment and transfers amount:

500.800.805.50000	Project Administration Services	\$19,950
500.800.805.72010	Building Improvements	\$649,674

NOW, THEREFORE, BE IT FURTHER RESOLVED by the Kane County Board that

the Chairman of the Board is authorized and directed to execute a contract for the authorization of the Kane County Sheriff's Office New Administration Wing Project to Lite Construction, Inc (LCI) of Montgomery, IL for the bid amount of Six Hundred Forty-Nine Thousand, Six Hundred Seventy-Four Dollars and 00/100 (\$649,674.00) which includes a Sixty Thousand Dollar (\$60,000.00) project contingency and \$19,950.00 for construction administration services for a total project cost of Six Hundred Sixty-Nine Thousand, Six Hundred Twenty-Four Dollars and 00/100 (\$669,624.00).

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

Authorizing the Kane County Sheriff's Office New Administration Wing Project and Budget Rollover

Committee Flow:

Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact:

Christie Duffy, 630.208.2001

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$669,624.00
If not budgeted, explain funding source: Unused funds rolled into the Capital Fund 500	

Summary:

This resolution authorizes the Kane County Sheriff's Office New Administration Wing project. The Kane County Adult Justice Center is in dire need of additional office space due to the expanding inmate programs, expanding social worker team and the need for additional evidence storage. In coordination with Building Management and Information Technologies, a decision was made to renovate the unused portion of the Kane County Adult Judicial Center front lobby for a New Administration Wing. On June 22, 2023, a Request for Bid was posted. The Kane County Evaluation Team selected Lite Construction, Inc. (LCI) of Montgomery, IL, as the most responsible bidder.

**County of Kane
PURCHASING DEPARTMENT
KANE COUNTY GOVERNMENT CENTER**

719 S. Batavia Avenue, Bldg. A
Geneva, Illinois 60134

Telephone: (630) 208-3803
Fax: (630) 208-5107



September 1, 2023

PROCUREMENT SYNOPSIS

Requesting Department:	Kane County Sheriff's Office
Procurement Name:	Bid 23-037 Kane County Sheriff's Office Renovation Project
Recommended Vendors:	Lite Construction, Inc

NOTIFICATION AND RESPONSE

Public Notices: Bidnet Direct and The Daily Herald

Advertising Date:	June 19, 2023	Notices sent/Plan Holders: 34/34
Proposal Due Date:	July 20, 2023	Proposals Received: 7

PURPOSE

This bid is seeking a qualified and experienced General Contractor for the Kane County Sheriff's Office Administration Wing improvement and renovation project.

Kane County Sheriff's Office, Kluber Architects & Engineers, the architect of record, evaluated all bids per specifications and contract requirements and determined that Lite Construction of Montgomery, IL was the most responsive, responsible bidder to perform the required services at the highest quality and value. The following bids were received:

VENDORS	Base Bids	Alternate	Total with Alternate
Lite Construction, Inc - Montgomery, IL	\$649,674.00	\$0.00	\$649,674.00
Ostrander Construction, Inc - Downers Grove, IL	\$716,315.00	(\$17,630.00)	\$698,685.00
CCC Holdings, Inc - Tinley Park, IL	\$686,000.00	\$19,400.00	\$705,400.00
Kandu Construction, Inc - Skokie, IL	\$757,000.00	(\$23,000.00)	\$734,000.00
Manusos GC - Fox Lake, IL	\$761,330.00	\$0.00	\$761,330.00
KWCC, Inc - Montgomery, IL	\$827,900.00	(\$4,900.00)	\$823,000.00
R.L. Sohol - Plainfield, IL	\$985,000.00	(\$4,200.00)	\$980,800.00

Based on cost, experience, and bid compliance, the Sheriff's Office and staff concurred with Kluber and recommended awarding this contract to Lite Construction, of Montgomery, Illinois pending approval by Committee and County Board.

Submitted By:

Timothy Keovongsak,

Tim Keovongsak, CPPB
Assistant Director of Purchasing

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY IBC 2021 EDITION AND SHALL CONFORM TO ALL OTHER APPLICABLE MUNICIPAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE ILLINOIS ACCESSIBILITY CODE (2018) AND THE AMERICANS WITH DISABILITIES ACT.

A. GENERAL NOTES

- 1. ALL CONTRACTORS ARE REQUIRED TO VISIT THE SITE AND BE KNOWLEDGEABLE REGARDING EXISTING CONDITIONS AND THEIR EFFECT ON THE PROPOSED WORK. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE PROJECT.

B. MISCELLANEOUS AND DEMOLITION NOTES

- 1. COORDINATE PENETRATIONS AND/OR SLEEVES REQUIRED IN WALLS, FLOORS, CEILINGS OR ROOFS FOR MECHANICAL AND ELECTRICAL WORK REQUIRED BY ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.

Table of Drafting Symbols and Materials Legend including Detail Number, Drawing Number, Column No., Reference Line No., Location Elevation, Room Number, Door No., Nominal Thickness, Keynote, Window Type, Toilet Accessory, Spot Elevation, and various material patterns like Concrete, Brick Masonry, Stone Masonry, etc.

DRAFTING SYMBOLS AND MATERIALS LEGEND

STANDARD ABBREVIATIONS

Large table of standard abbreviations with columns for symbol, description, and material type. Includes entries like AT (Anchor Bolt), EWH (Electric Water Heater), PTN (Partition), etc.

INDEX OF DRAWINGS

Index of Drawings table listing drawing numbers (G100, G201, A310, etc.) and their corresponding titles (Cover Sheet, Accessibility Requirements, Demolition & New Work First Floor Plans, etc.).



PROJECT

KANE COUNTY SHERIFF - ADMINISTRATION WING RENOVATIONS
37W755 IL-38 SUITE A
ST CHARLES, IL 60175

OWNER

KANE COUNTY SHERIFF
37W755 IL-38 SUITE A
ST CHARLES, IL 60175

ARCHITECT/
ENGINEER

KLUBER ARCHITECTS + ENGINEERS
41 W BENTON STREET
AURORA, ILLINOIS 60506
TEL (630) 406-1213
FAX (630) 406-9472
www.kluberinc.com

REQUIRED CODE COMPLIANCE INFORMATION

REQUIRED PLAN COVER SHEET INFORMATION FOR REVIEW UNDER 2021 INTERNATIONAL CODES, STATE OF ILLINOIS ACCESSIBILITY CODE, AND THE STATE OF ILLINOIS PLUMBING CODE CODE REVIEW DATA

APPLICABLE CODES

- 2021 INTERNATIONAL BUILDING CODE
2021 INTERNATIONAL MECHANICAL CODE
2021 INTERNATIONAL FUEL AND GAS CODE
2021 INTERNATIONAL EXISTING BUILDING CODE
2021 INTERNATIONAL FIRE CODE
2020 NATIONAL ELECTRICAL CODE
LOCAL AMENDMENTS TO THE ABOVE CODES

GENERAL STATEMENT OF OVERALL PROJECT SCOPE AND INTENT: PROJECT CONSISTS OF INTERIOR ALTERATIONS AND REMODELING TO AN EXISTING MULTI-STORY SHERIFF OFFICE BUILDING. BUILDING COMPONENTS AND SYSTEMS MODIFIED OR REPLACED AS PART OF THE WORK OF THIS PROJECT HAVE BEEN BROUGHT UP TO MEET THE REQUIREMENTS OF THE APPLICABLE CURRENT CODES.

- A. USE AND OCCUPANCY GROUP(S) CLASSIFICATION: B.
B. TYPE OF CONSTRUCTION: IIB
C. SQUARE FOOTAGE OF BUILDING: NOT APPLICABLE; RENOVATED AREAS SQUARE FOOTAGE IS 2,066. ALLOWABLE SQUARE FOOTAGE: NOT APPLICABLE; NO CHANGE OF USE. FULLY SPRINKLERED; ALARMED
D. OCCUPANT LOAD BASED ON INTERNATIONAL BUILDING CODE: 30 BUSINESS OCCUPANCY
E. OCCUPANT LOAD BASED ON ILLINOIS PLUMBING CODE: 7
F. DESIGNED LIVE LOADS: NOT APPLICABLE; THIS IS AN EXISTING BUILDING, TO WHICH NO MODIFICATIONS ARE BEING MADE TO STRUCTURAL COMPONENTS.
G. THE DESIGN PROFESSIONALS IN RESPONSIBLE CHARGE ARE IDENTIFIED IN THE SEALS AND CERTIFICATES AREA, BELOW.

SEALS & CERTIFICATIONS

Architect's Seal (Clayton D. Halderman), Mechanical Engineer's Seal (Donald D. Ware, Jr.), and Electrical Engineer's Seal (Michael T. Kluber). Includes a statement of preparation and certification of the drawings.



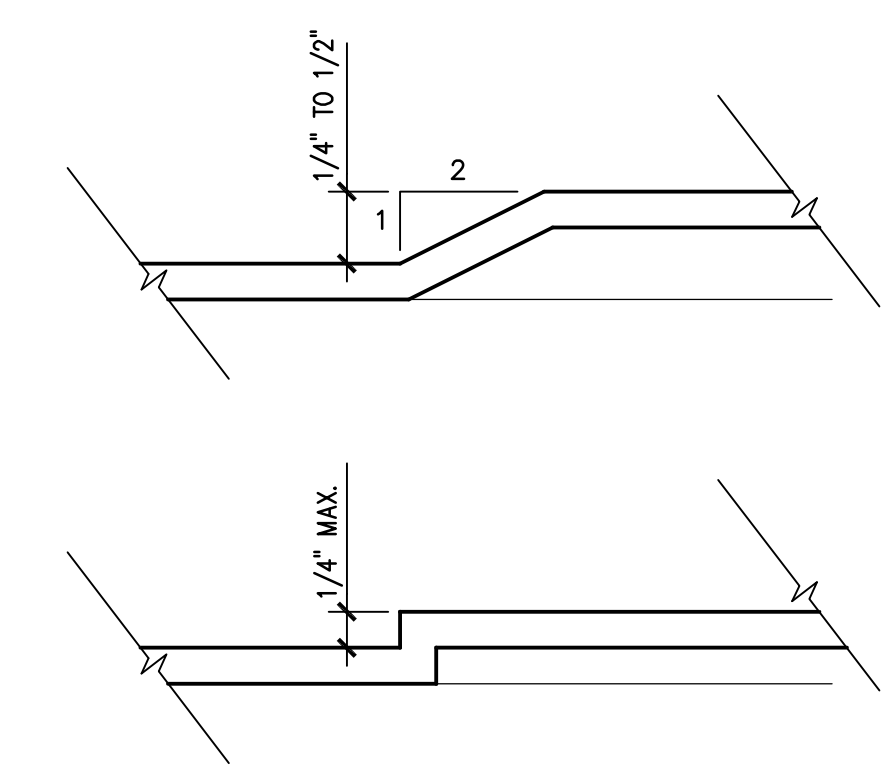
Kluber, Inc.
Aurora, Illinois 60506
Tel: (630) 406-1213
Chicago, Illinois 60606
Tel: (773) 607-2070
www.kluberinc.com

KANE COUNTY SHERIFF - ADMINISTRATION WING RENOVATIONS

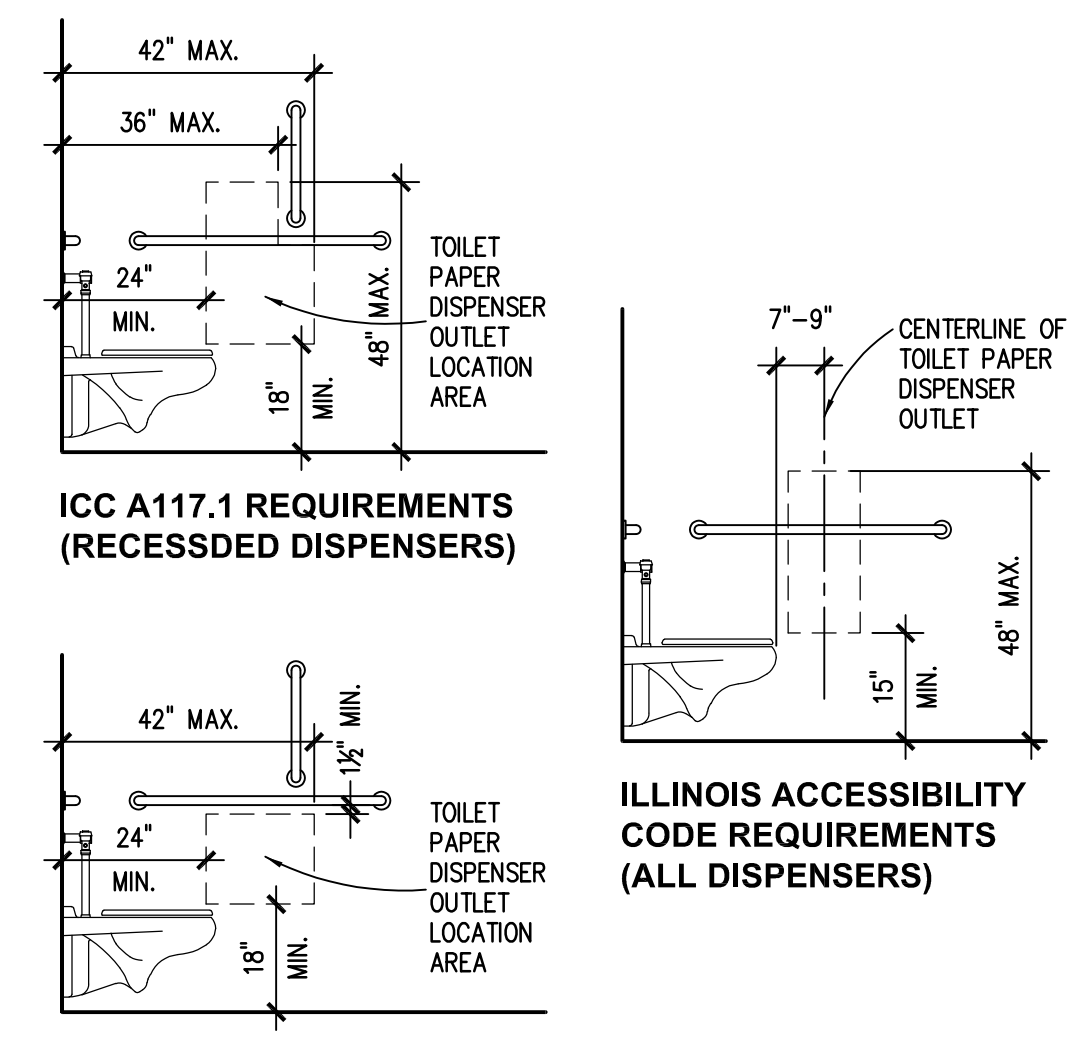
KANE COUNTY SHERIFF
37W755 IL-38 SUITE A
ST. CHARLES, IL 60175

Table with columns for Job No., Drawn, Checked, Approved, Sheet Title, and Sheet Number.

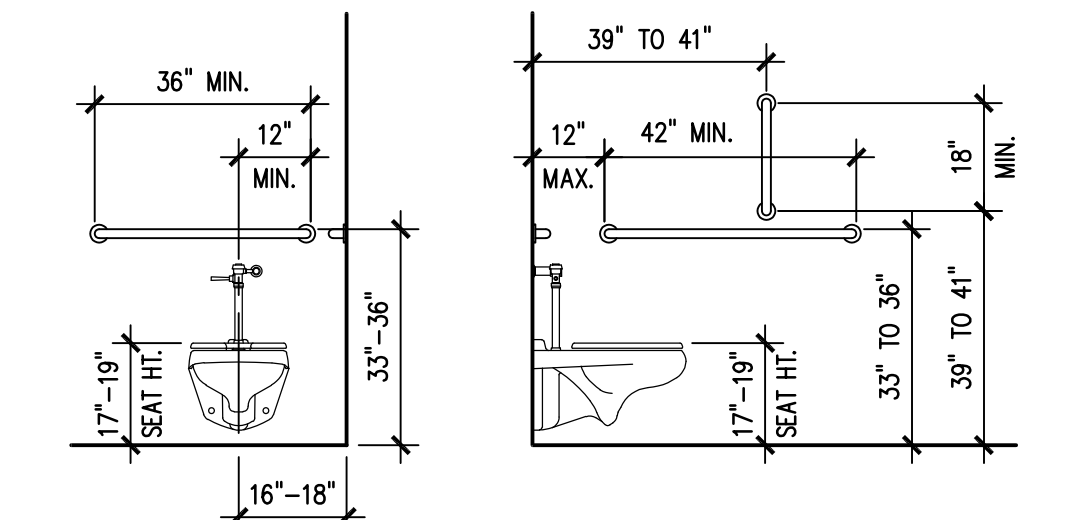
G100



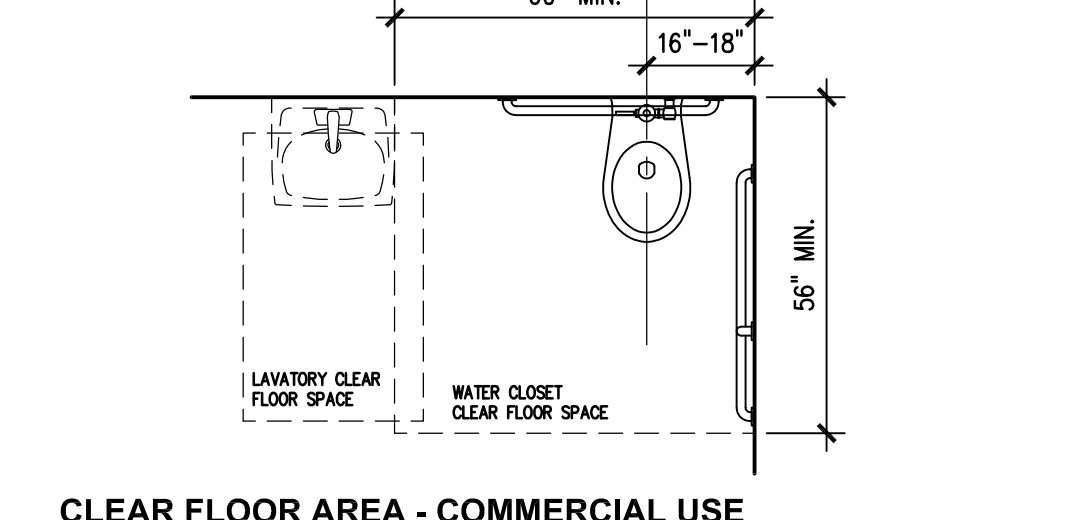
CHANGES IN LEVEL 7
SCALE: NONE



ICC A117.1 REQUIREMENTS (RECESSED DISPENSERS)
ILLINOIS ACCESSIBILITY CODE REQUIREMENTS (ALL DISPENSERS)
TOILET PAPER DISPENSER LOCATION REQUIREMENTS

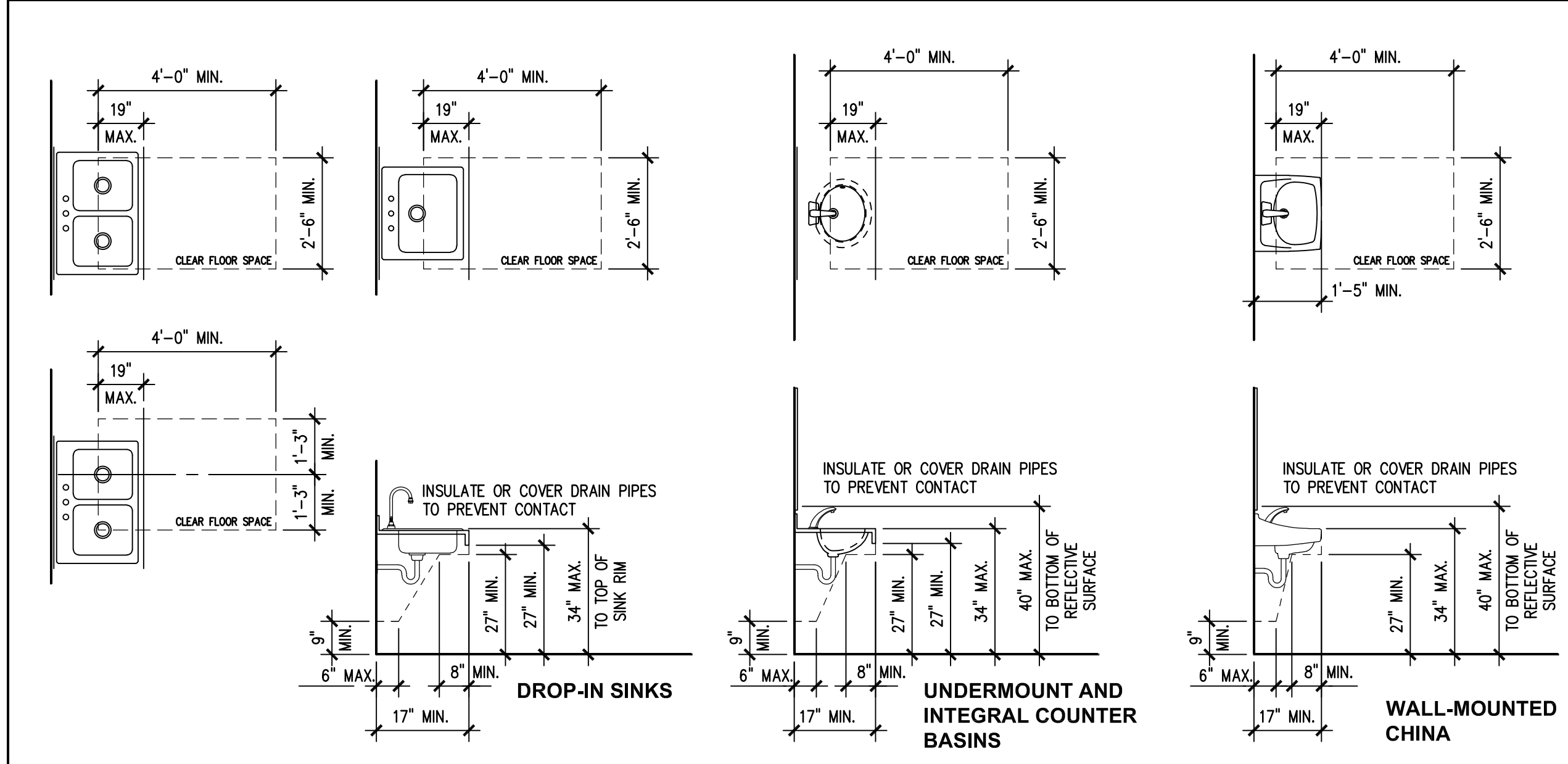


WATER CLOSET AND GRAB BAR MOUNTING LOCATIONS

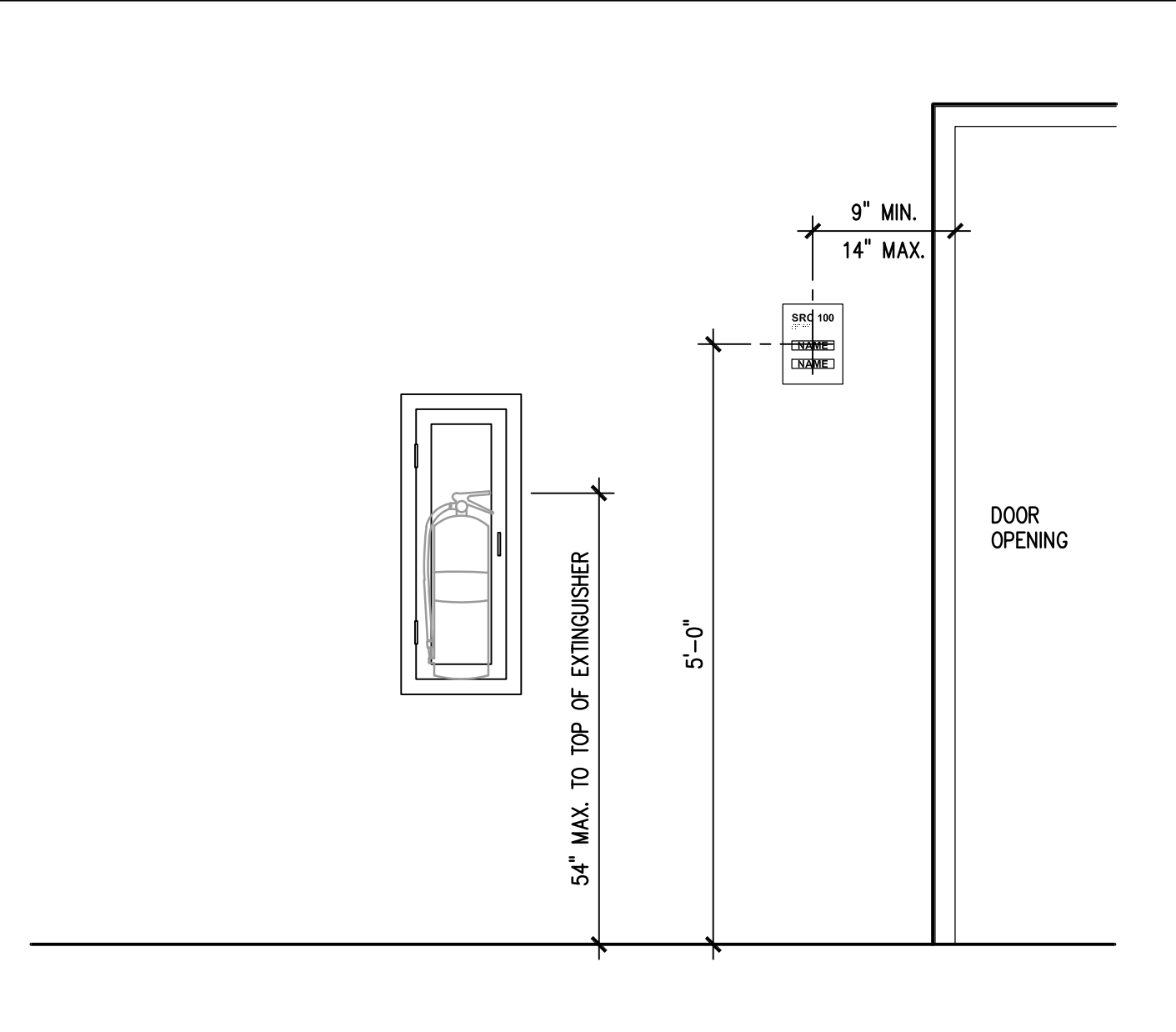


CLEAR FLOOR AREA - COMMERCIAL USE AND ACCESSIBLE RESIDENTIAL USE
NOTE: WHILE WALL-MOUNTED WATER CLOSETS ARE SHOWN IN DIAGRAMS ABOVE, INDICATED DIMENSIONS APPLY EQUALLY TO FLOOR-MOUNTED AND TANK-TYPE WATER CLOSETS.

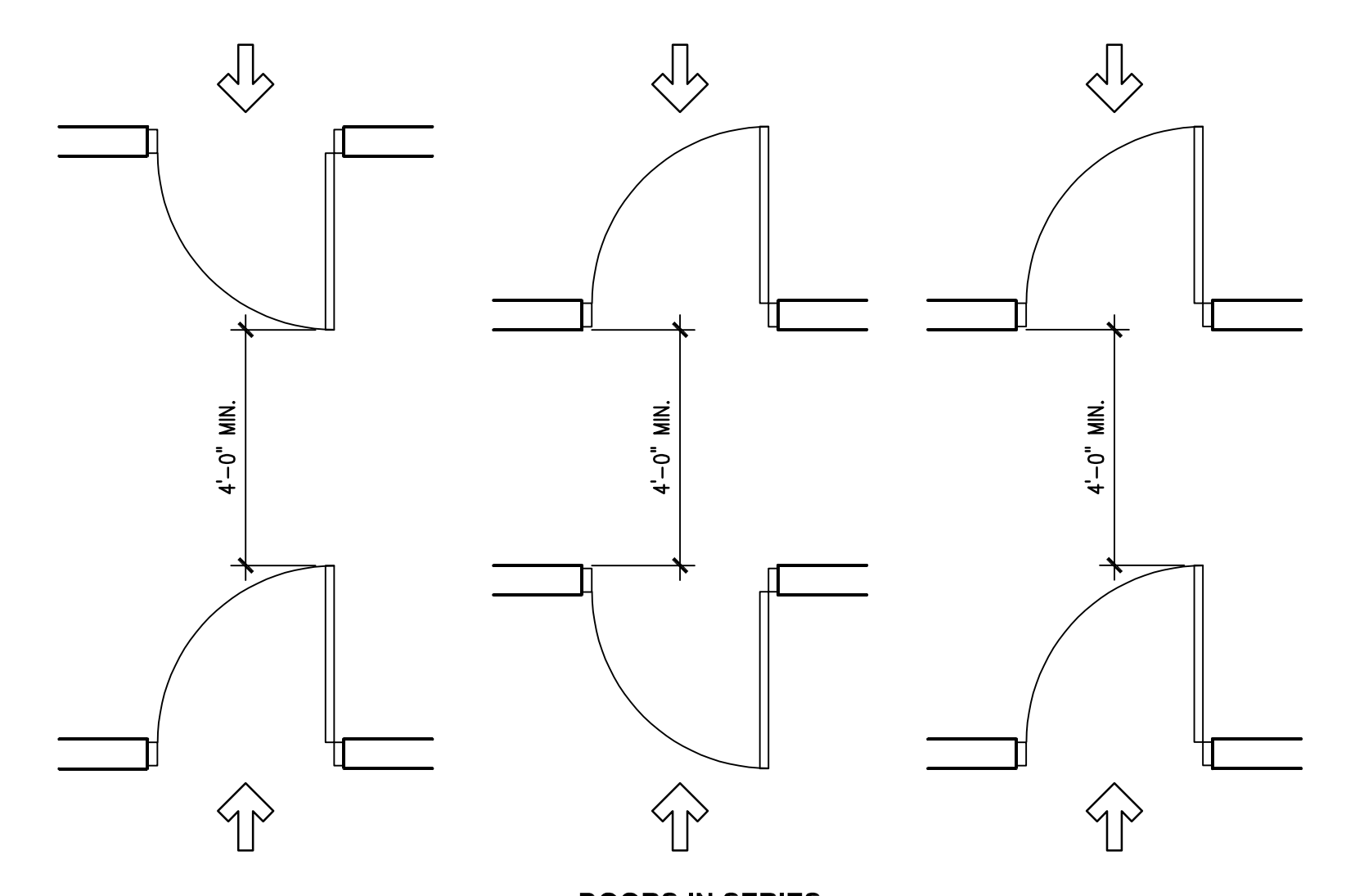
WATER CLOSETS 5
SCALE: NONE



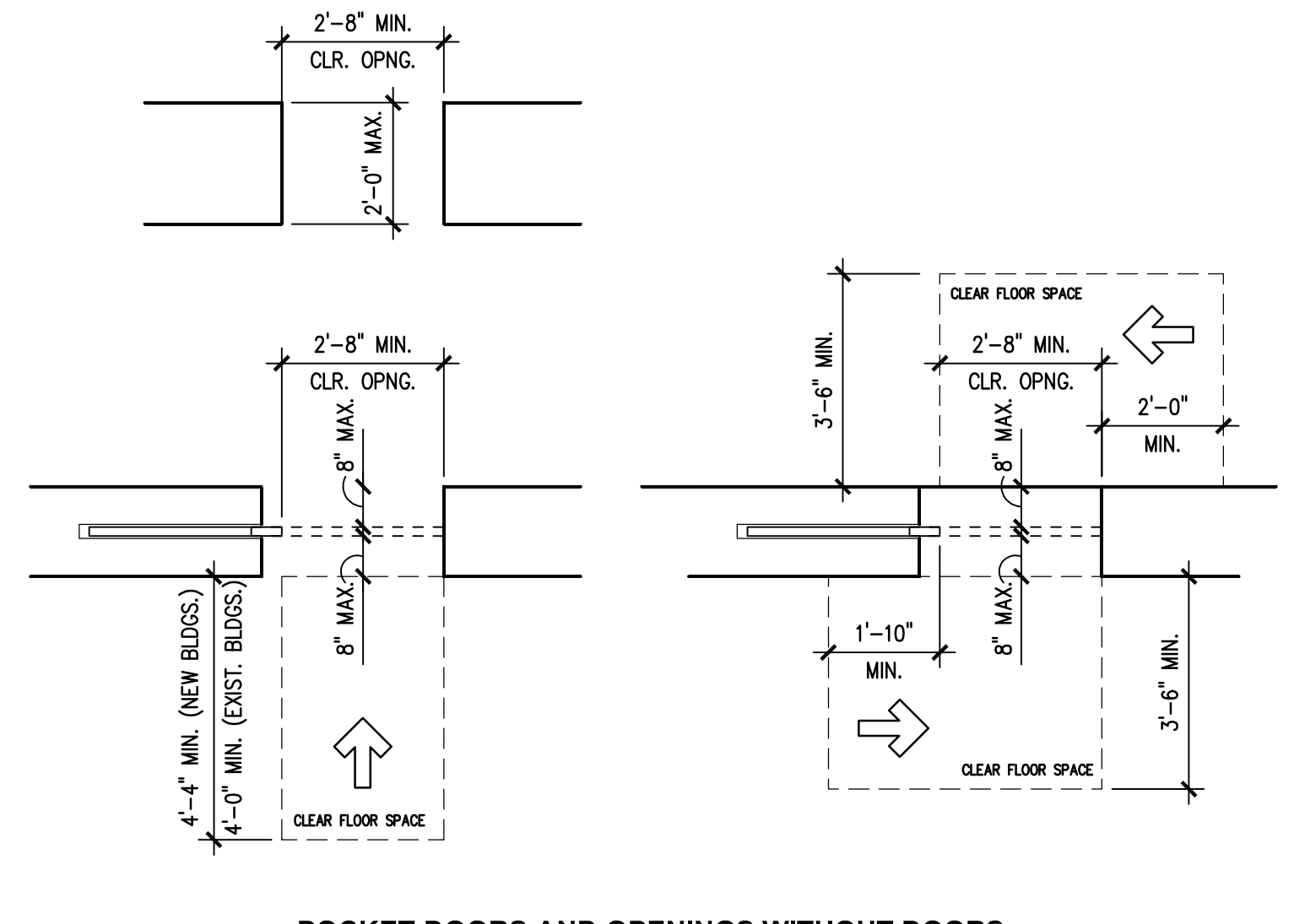
SINKS AND LAVATORIES 12
SCALE: NONE



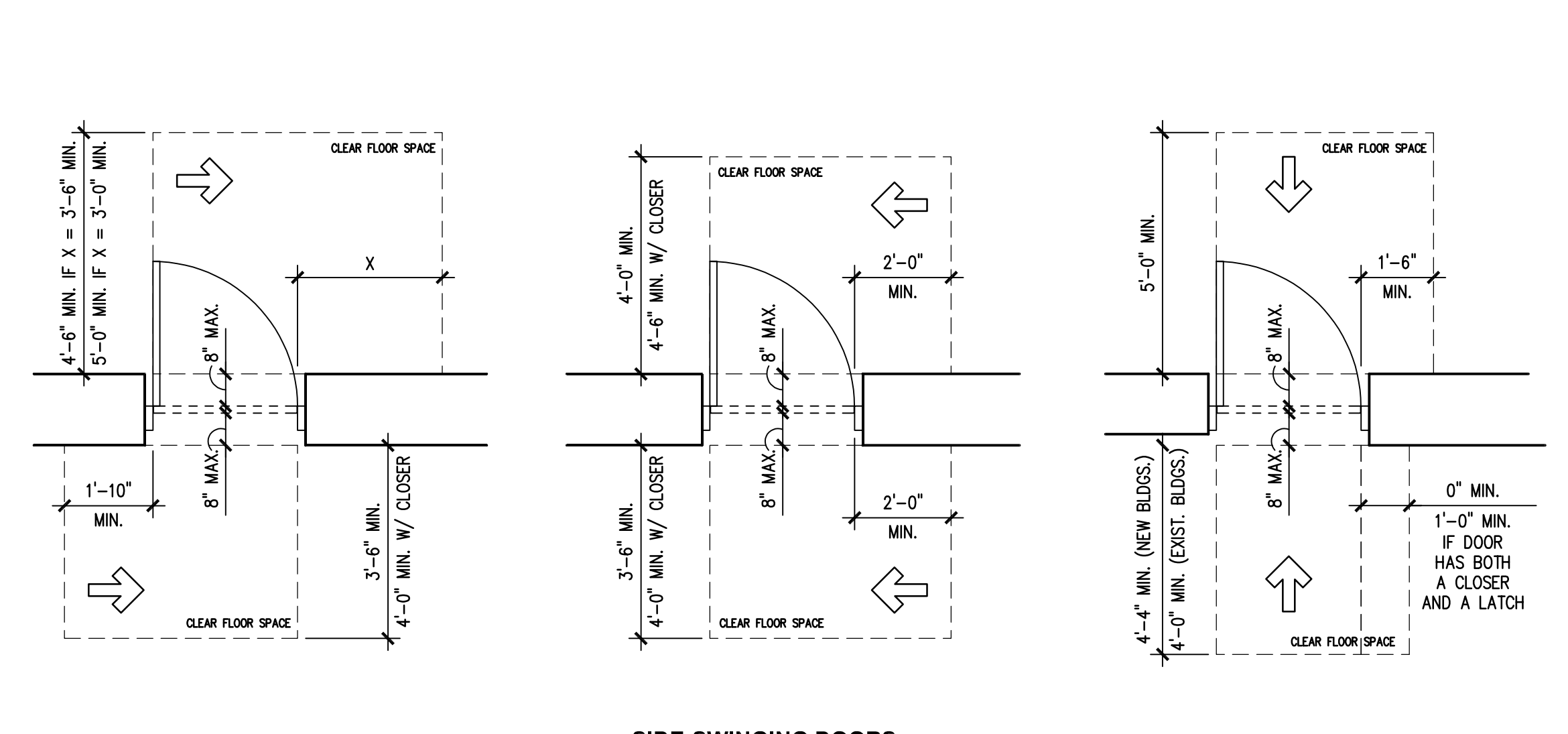
ROOM SIGNS, FIRE EXTINGUISHERS 1
SCALE: NONE



DOORS IN SERIES



POCKET DOORS AND OPENINGS WITHOUT DOORS



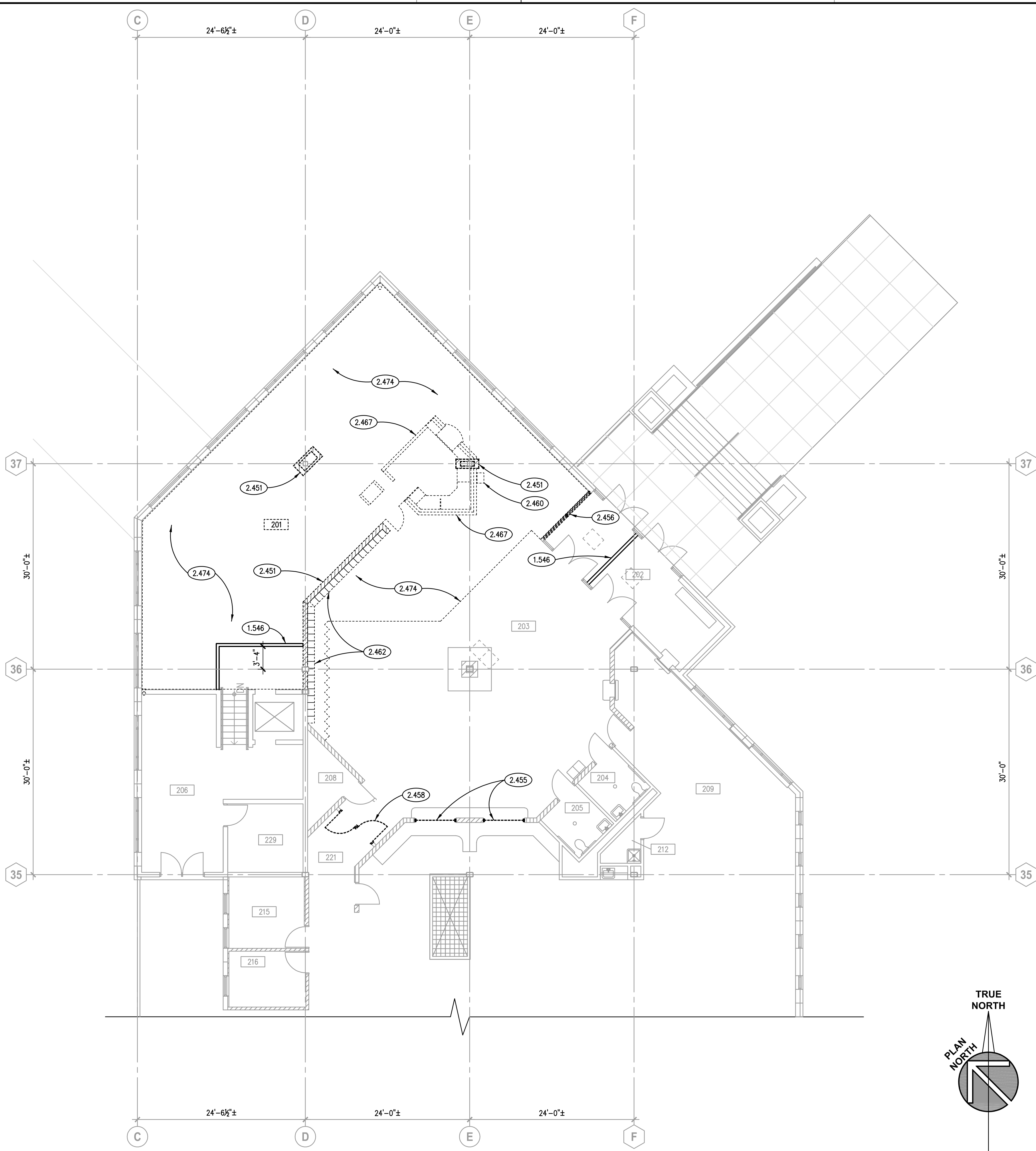
SIDE-SWINGING DOORS

DOOR CLEARANCES 4
SCALE: NONE

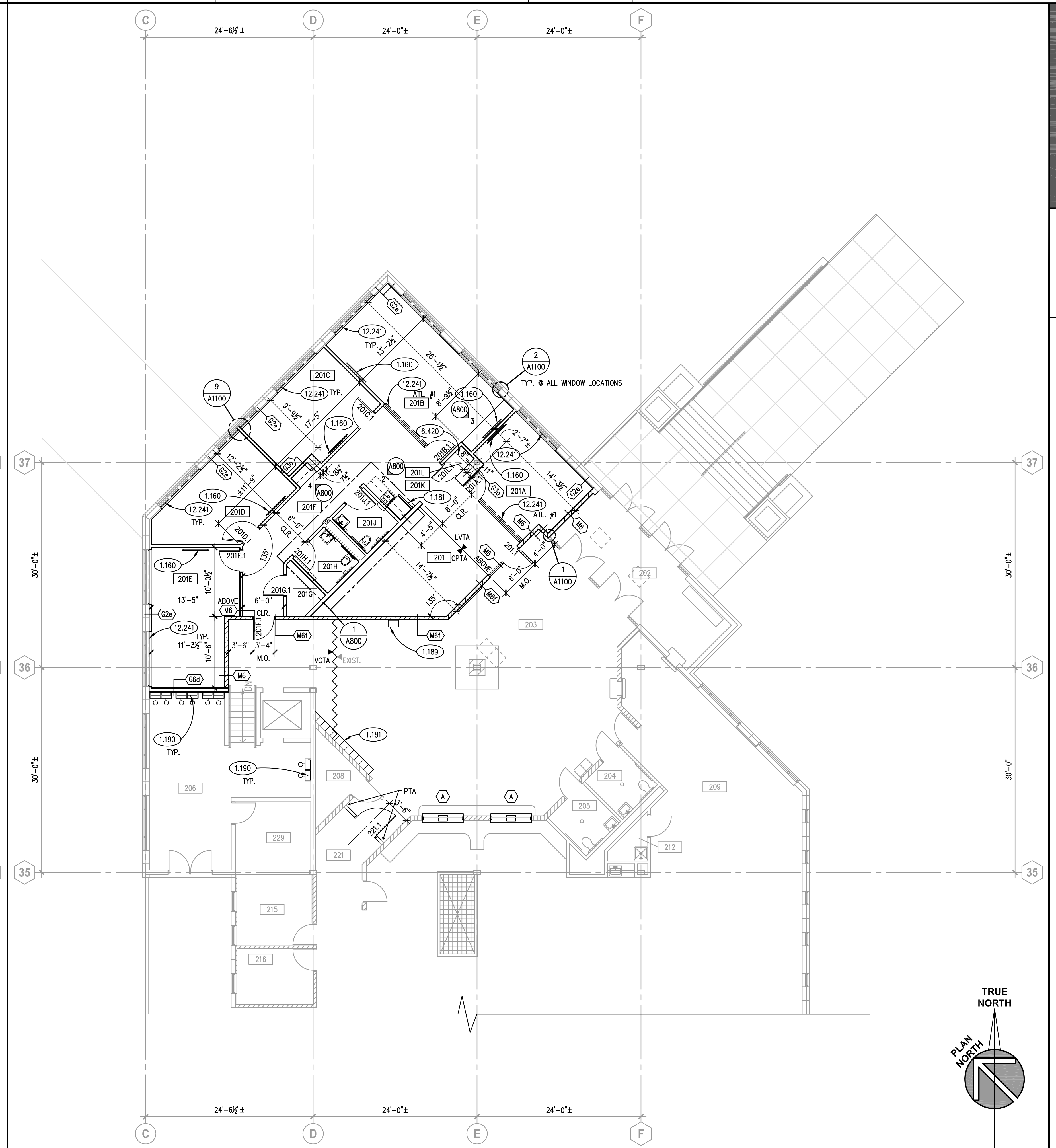
GENERAL NOTES

- REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.
- DETAILS ON THIS DRAWING ARE INTENDED TO DEPICT A RANGE OF DIFFERENT CONDITIONS. NOT ALL CONDITIONS DEPICTED MAY BE PRESENT IN THIS PROJECT.
- DIMENSIONAL REQUIREMENTS DEPICTED ARE MEASURED TO FACE OF SURFACE FINISHES. ABSOLUTE DIMENSIONS ARE SUBJECT TO REASONABLE CONSTRUCTION TOLERANCES AS DETERMINED BY THE ARCHITECT/ENGINEER AND THE AUTHORITY HAVING JURISDICTION. CONSTRUCTED CLEARANCES, LENGTHS, WIDTHS, DEPTHS OR AREAS EXCEEDING INDICATED MAXIMUMS, LESS THAN INDICATED MINIMUMS OR OUTSIDE OF INDICATED RANGES WILL NOT BE ACCEPTED.
- COORDINATE REQUIREMENTS DEPICTED ON THIS DRAWING WITH INFORMATION DEPICTED ON OTHER DRAWINGS. WHERE DIMENSIONS AND/OR CLEARANCES ON OTHER DRAWINGS ARE OR APPEAR TO BE LESS THAN THE MINIMUMS, GREATER THAN MAXIMUMS OR DEVIATE FROM HOLD DIMENSIONS DEPICTED ON THIS DRAWING, THE REQUIREMENTS OF THIS DRAWING SHALL TAKE PRECEDENCE.

ISSUED	
REVISED	
DATE	
DESCRIPTION	
JOB NO.	23-471-1466
DRAWN	CDH
CHECKED	CDH
APPROVED	CDH
SHEET TITLE	
ACCESSIBILITY REQUIREMENTS	
SHEET NUMBER	
G201	



DEMOLITION FIRST FLOOR PLAN ①
SCALE: 1/8" = 1'-0"



FIRST FLOOR PLAN ②
SCALE: 1/8" = 1'-0"

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 1.160 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: OFFICE EQUIPMENT; TV MONITOR; PROVIDE ADEQUATE BLOCKING TO SUPPORT NEW TV MONITOR.
- 1.181 OWNER-FURNISHED ITEM TO BE INSTALLED BY CONTRACTORS: RESIDENTIAL EQUIPMENT; REFRIGERATOR.
- 1.189 OWNER ITEM TO BE RELOCATED; EXISTING ATM KIOSK.
- 1.190 COORDINATE W/ OWNER FOR THE REMOVAL AND RELOCATION OF 8 EXISTING VISITATION KIOSKS.
- 1.546 TEMPORARY INTERIOR PARTITION: REMOVE AFTER NEW MASONRY WALL IS CONSTRUCTED AND VESTIBULE IS FULLY ENCLOSED.
- 2.451 REMOVE EXISTING INTERIOR WALL CONSTRUCTION: MASONRY PARTITION.
- 2.455 REMOVE EXISTING INTERIOR WINDOW: GLAZING; EXISTING HOLLOW METAL FRAME TO REMAIN.
- 2.456 REMOVE EXISTING INTERIOR WINDOW: GLAZED ALUMINUM STOREFRONT.
- 2.458 REMOVE EXISTING INTERIOR DOOR AND FRAME.
- 2.460 PROTECT & SALVAGE EXISTING ATM KIOSK FOR RELOCATION.
- 2.462 REMOVE EXISTING INTERIOR SPECIALTY: LOCKERS; SALVAGE (11) COLUMNS OF EXISTING LOCKERS FOR REUSE.
- 2.467 REMOVE EXISTING INTERIOR CONSTRUCTION: CASEWORK; AS INDICATED.
- 2.474 REMOVE EXISTING INTERIOR FLOOR FINISH: VCT.
- 6.420 CUSTOM CASEWORK: PLASTIC LAMINATE; SHELVING W/ SUPPORT BRACKETS.
- 12.241 ROLLER WINDOW SHADES: MOTOR OPERATED.

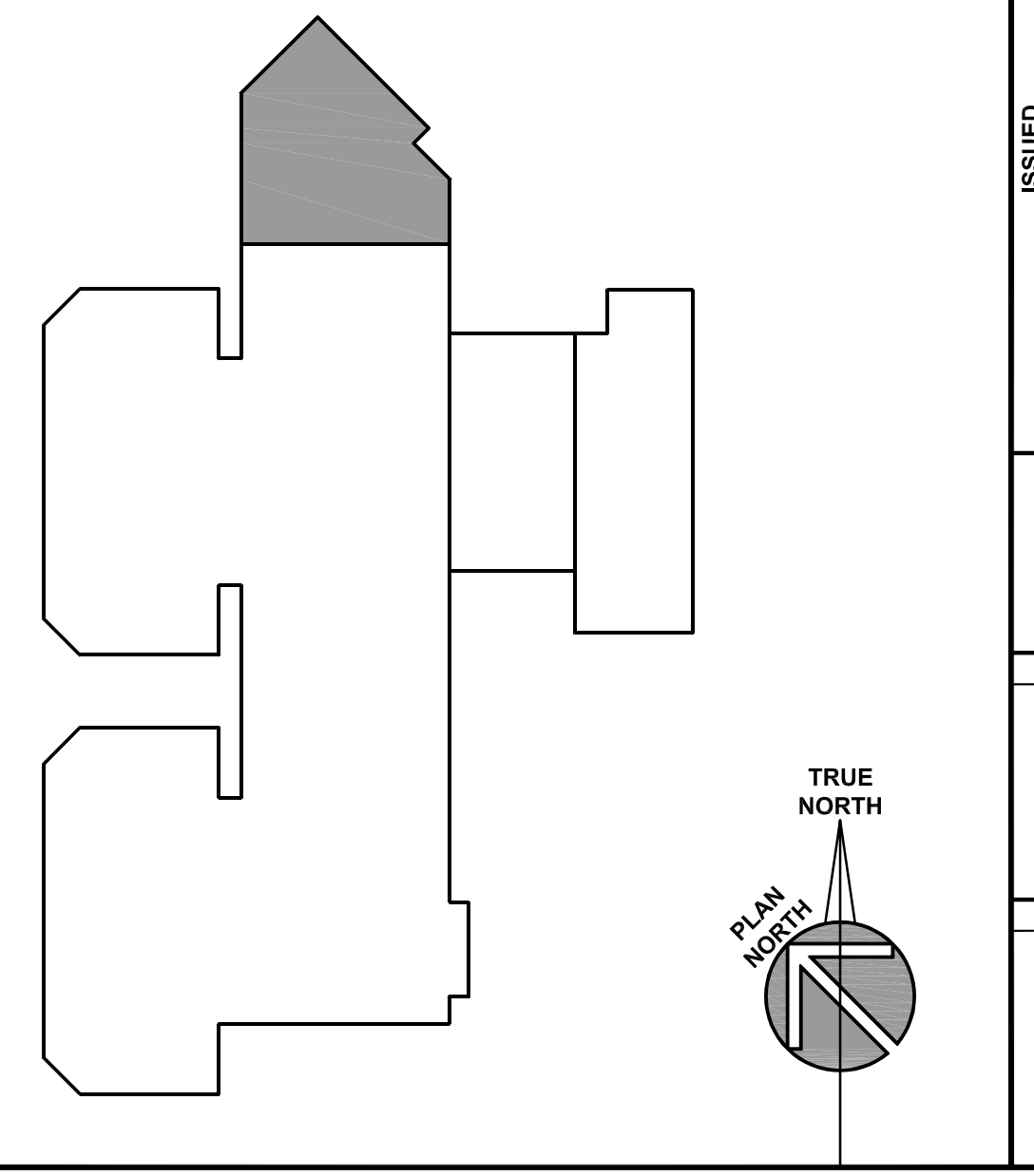
GENERAL NOTES

1. REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.
2. GYPSUM WALLS ARE WALL TYPE G3w UNLESS TAGGED OTHERWISE.
3. INTERIOR MASONRY WALLS ARE WALL TYPE M6 UNLESS TAGGED OTHERWISE.
4. IN METAL STUD/GYPSUM BOARD PARTITIONS AND WALLS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.
4. STORE SALVAGED ITEMS AS DIRECTED BY OWNER.
5. REMOVE SALVAGED ITEMS THAT WILL ULTIMATELY BE RE-USED ON THIS PROJECT TO OWNER'S DESIGNATED TEMPORARY STAGING AREA ON SITE.
6. PROTECT SALVAGED ITEMS FROM DAMAGE UNTIL INCORPORATED INTO THE WORK OR UNTIL MOVED TO OWNER'S PERMANENT STORAGE.
7. ADDITIONAL DEMOLITION/ RECONSTRUCTION AND REMOVAL/REPLACEMENT OF ARCHITECTURAL ELEMENTS IS REQUIRED TO COMPLETE THE WORK OF THIS PROJECT. COORDINATE WITH ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS, AND PROVIDE DEMOLITION/RECONSTRUCTION AND REMOVAL/REPLACEMENT OF ARCHITECTURAL ELEMENTS AS REQUIRED TO COMPLETE THE WORK SHOWN ON THOSE DRAWINGS.

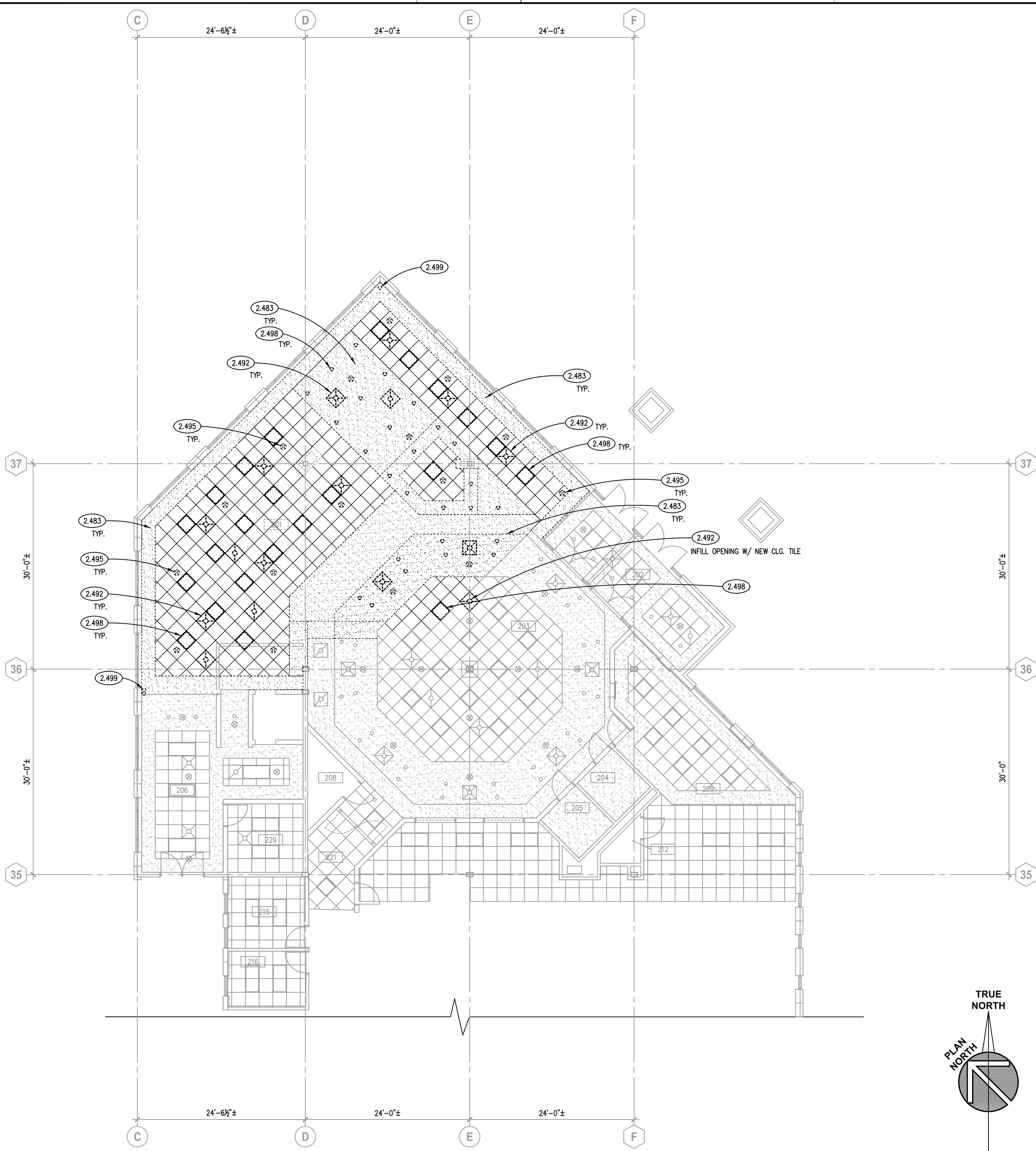
ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
201	SHARED OFFICE	201K	KITCHENETTE
201A	OFFICE	201L	CLOSET
201B	CONFERENCE ROOM	203	EXISTING LOBBY
201C	OFFICE	221	EXISTING CORRIDOR
201D	OFFICE		
201E	OFFICE		
201F	CORRIDOR		
201G	CLOSET		
201H	RESTROOM		
201J	RESTROOM		

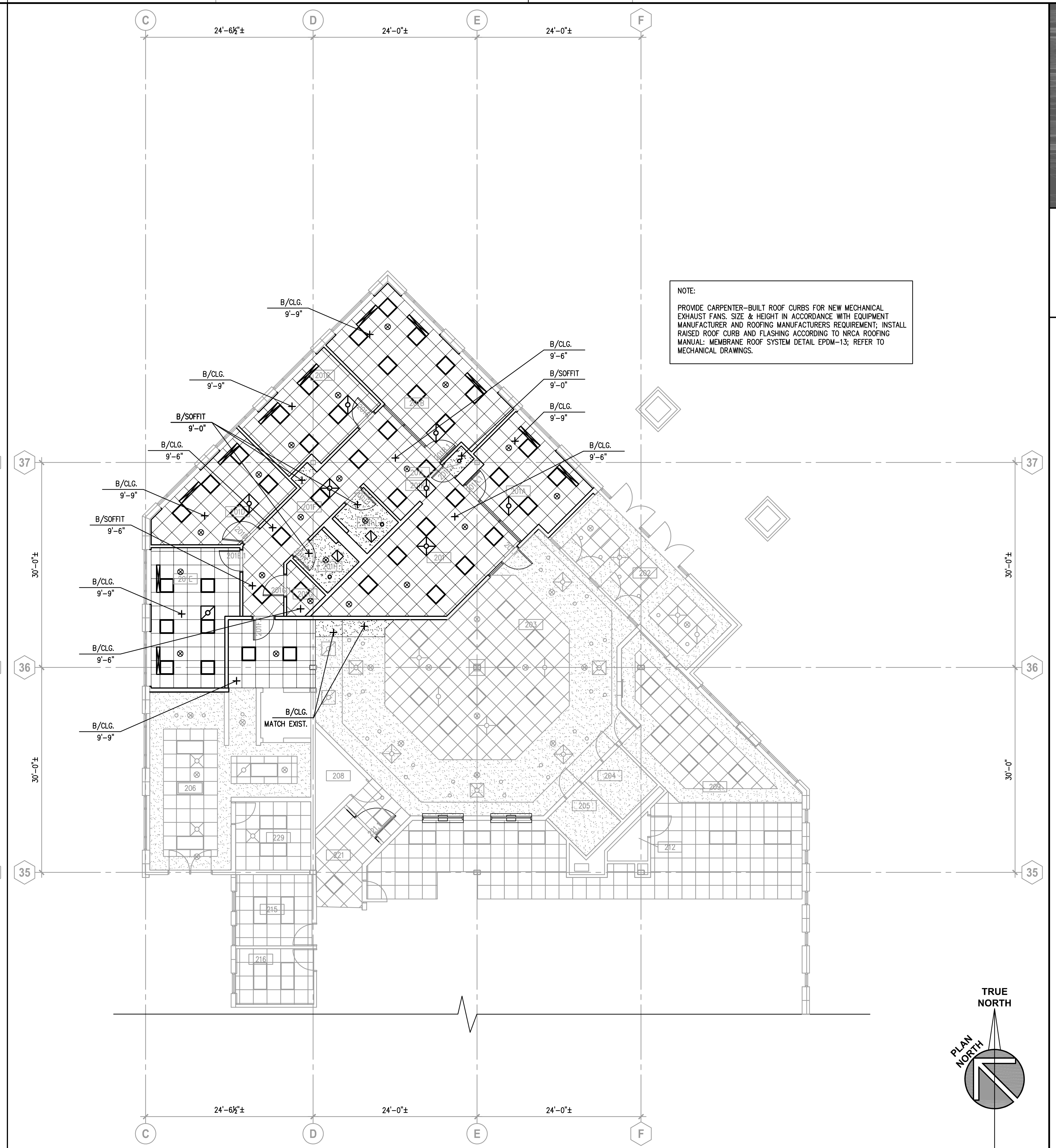
KEY PLAN



ISSUED	
UNREVISED	
BID DOCUMENTS	
JOB NO.	23-471-1466
DRAWN	PJT
CHECKED	CDH
APPROVED	CDH
SHEET TITLE	
DEMOLITION & NEW WORK FIRST FLOOR PLANS	
SHEET NUMBER	
A310	



DEMOLITION FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0" **1**



FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0" **2**

CEILING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GYPSON BOARD		MECHANICAL DIFFUSER: SUPPLY
	ACOUSTICAL CEILING TILE: 2' X 2'		MECHANICAL DIFFUSER: RETURN
			MECHANICAL DIFFUSER: EXHAUST
			MECHANICAL DIFFUSER: LINEAR SUPPLY
			COMBINATION LIGHT/EXHAUST FAN
			LIGHT FIXTURE: 24" X 24"
			LIGHT FIXTURE
			SPRINKLER HEADS A: PENDANT B: UPRIGHT C: CONCEALED D: SIDEWALL
			DOWN LIGHT FIXTURES A: SPOT B: BLOOM C: WALL WASHER D: SCIENCE

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

2.483 REMOVE EXISTING INTERIOR CEILING FINISH: DRYWALL SOFFIT AND FRAMING.
2.492 REMOVE EXISTING MECHANICAL SYSTEM COMPONENT: CEILING DIFFUSER/GRILLE.
2.495 REMOVE & REPLACE EXISTING SPRINKLER HEAD: EXTEND TAKEOFF OR PROVIDE NEW ARM INTO NEW CEILING LOCATION.
2.498 REMOVE EXISTING LIGHT FIXTURE.
2.499 REMOVE EXISTING SECURITY DEVICE: CAMERA.

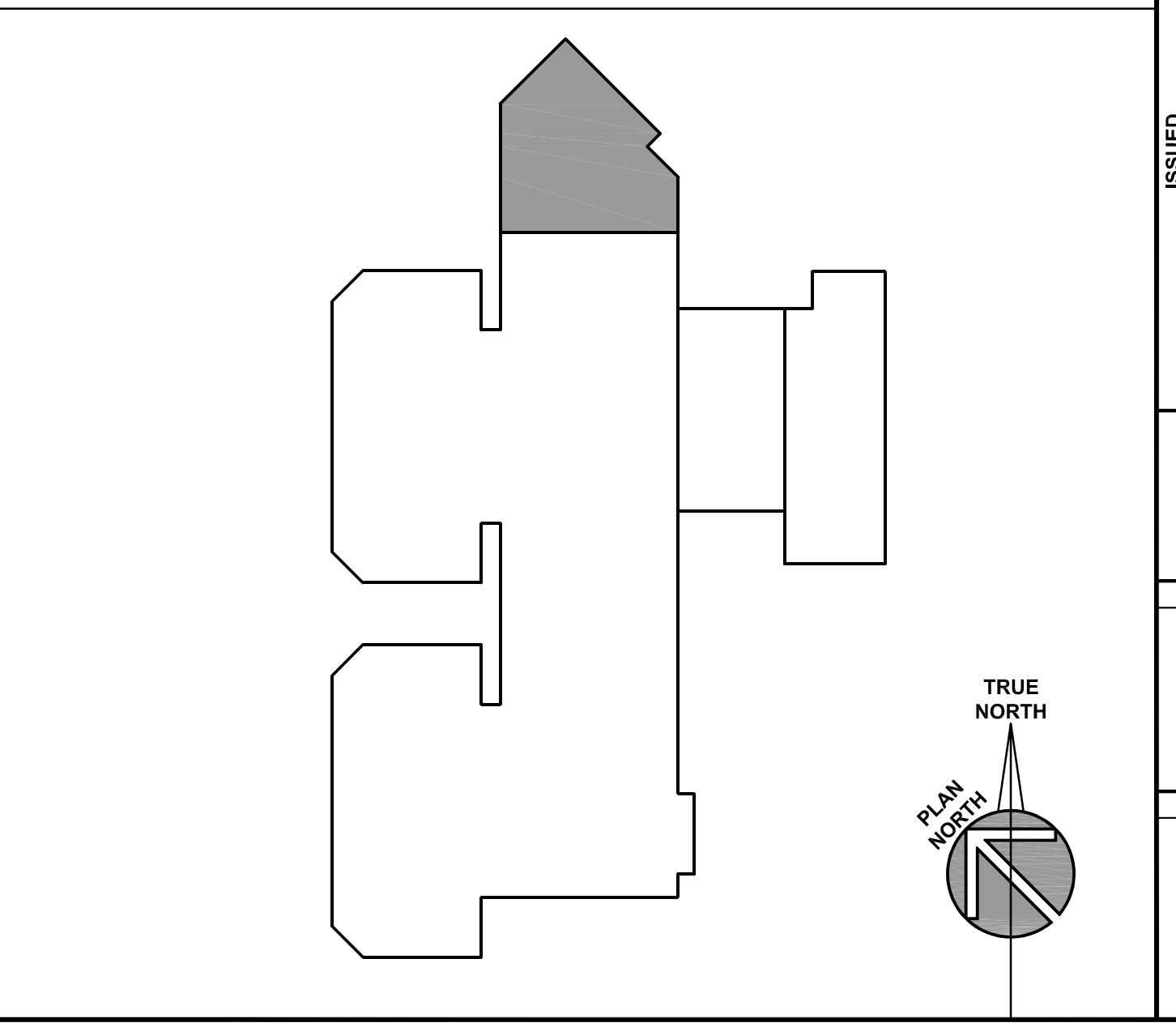
GENERAL NOTES

- REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.
- COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G300 WITH THE WORK OF ALL CONTRACTS.
- SPOT ELEVATIONS ARE DESIGNATED NOMINAL HEIGHTS ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE. COORDINATE FINAL HEIGHTS OF CEILING ELEMENTS WITH INFORMATION CONTAINED ON STRUCTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.
- PROVIDE GYPSUM BOARD HEADERS TO FORM VERTICAL SOFFITS AT CHANGES OF ACOUSTICAL CEILING HEIGHTS UNLESS NOTED OR DETAILED OTHERWISE.

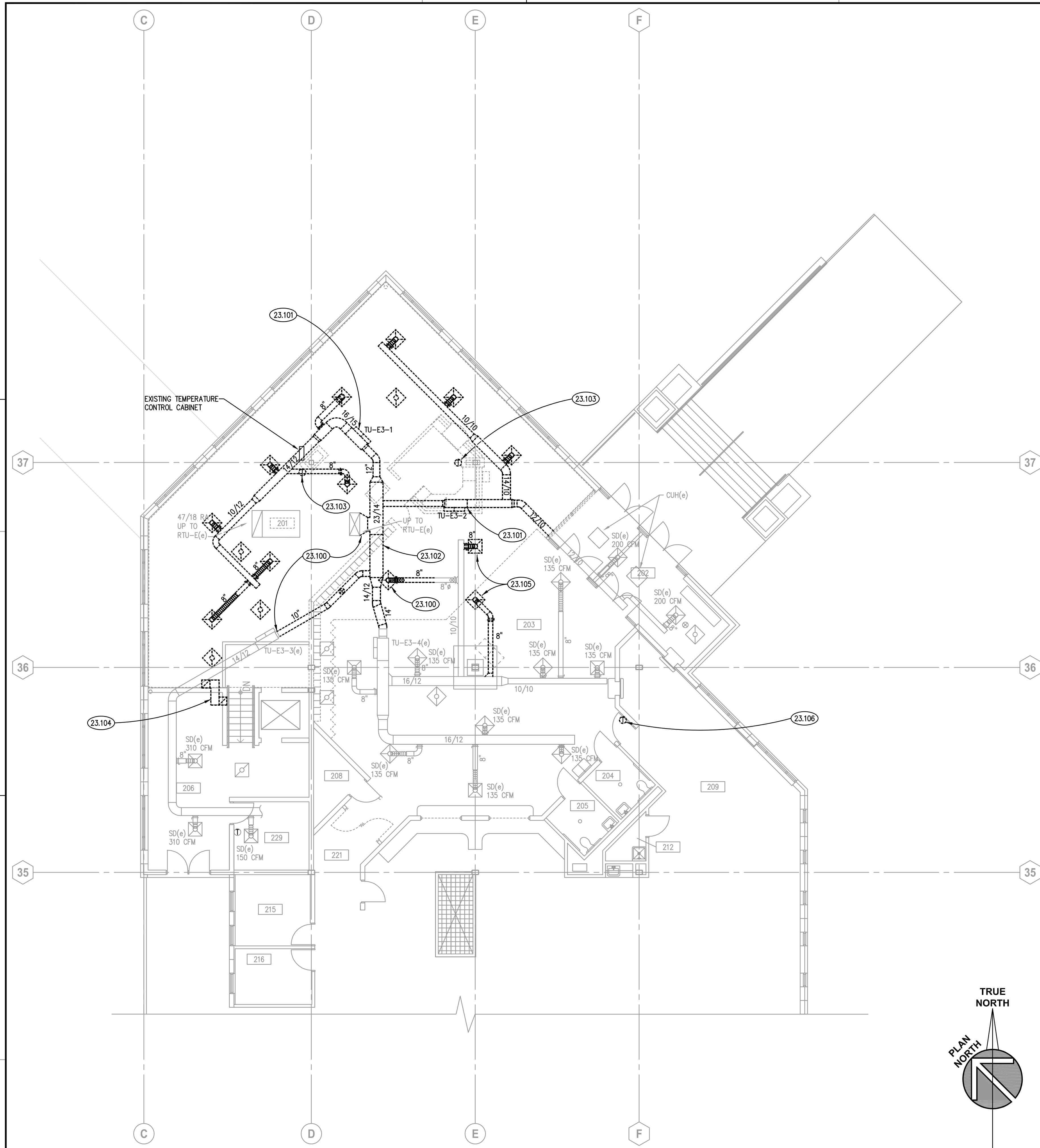
ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
201	SHARED OFFICE	201K	KITCHENETTE
201A	OFFICE	201L	CLOSET
201B	CONFERENCE ROOM	203	EXISTING LOBBY
201C	OFFICE	221	EXISTING CORRIDOR
201D	OFFICE		
201E	OFFICE		
201F	CORRIDOR		
201G	CLOSET		
201H	RESTROOM		
201J	RESTROOM		

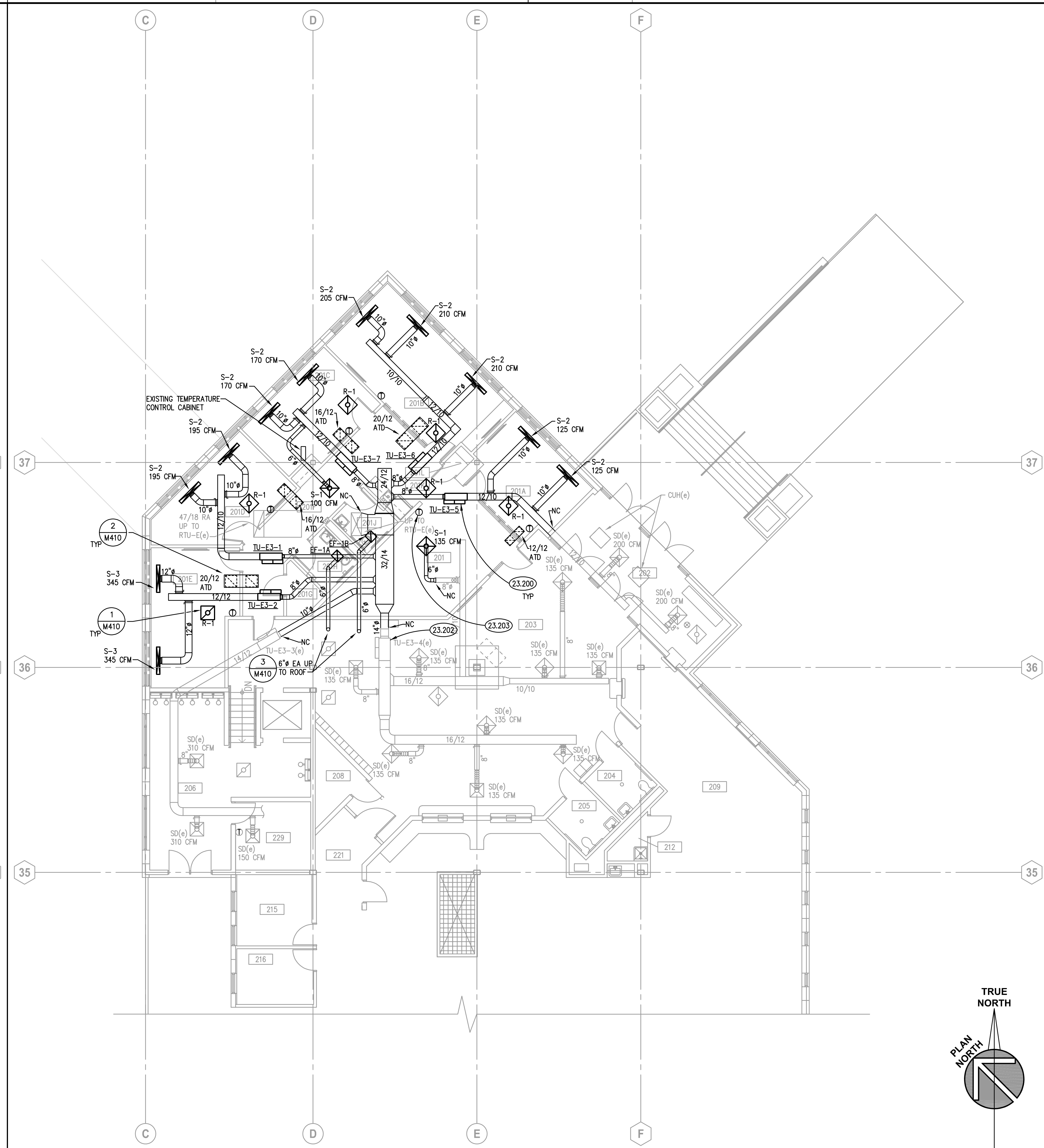
KEY PLAN



ISSUED
DRAWINGS
JOB NO. 23-471-1466
DRAWN PJT
CHECKED CDH
APPROVED CDH
SHEET TITLE
DEMOLITION & NEW WORK FIRST FLOOR REFLECTED CEILING PLAN
SHEET NUMBER
A410



FIRST FLOOR MECHANICAL DEMOLITION PLAN (1)
SCALE: 1/8" = 1'-0"



FIRST FLOOR MECHANICAL PLAN (2)
SCALE: 1/8" = 1'-0"

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
201	SHARED OFFICE	201K	KITCHENETTE
201A	OFFICE	201L	CLOSET
201B	CONFERENCE ROOM	203	EXISTING LOBBY
201C	OFFICE		
201D	OFFICE		
201E	OFFICE		
201F	CORRIDOR		
201G	CLOSET		
201H	RESTROOM		
201J	RESTROOM		

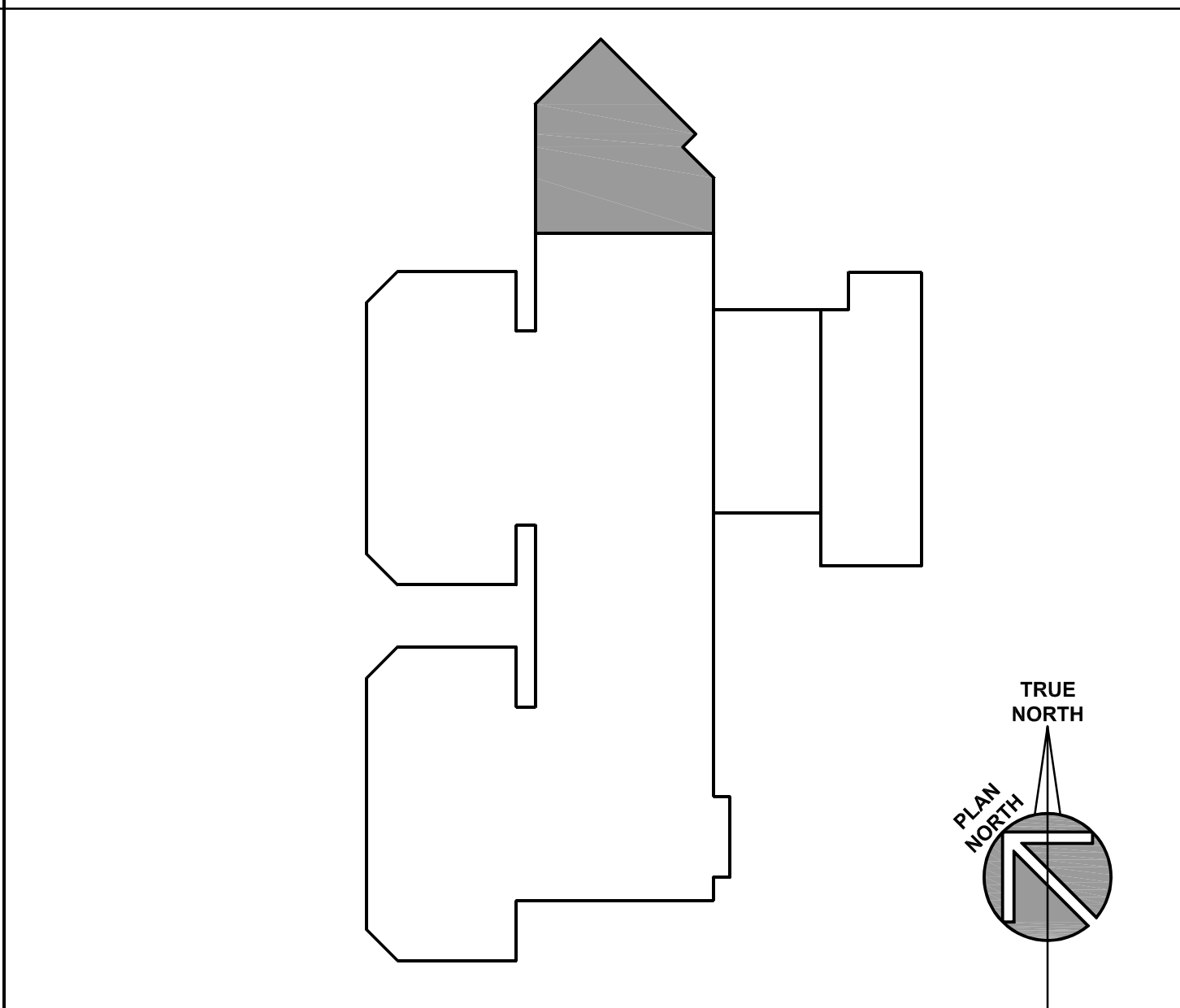
GENERAL NOTES

- REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.
- ALL DUCTWORK AND RACEWAYS ARE SHOWN DIAGRAMMATICALLY AND DO NOT SHOW ALL REQUIRED FITTINGS, OFFSETS, DROPS AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM. COORDINATE WITH OTHER TRADES FOR SPACE AVAILABLE AND RELATIVE LOCATIONS OF EQUIPMENT, DUCTWORK, ETC.
- EXISTING DUCTWORK AND RACEWAYS INDICATED ON THESE PLANS SHALL BE FIELD VERIFIED FOR EXACT LOCATIONS, QUANTITY AND SIZES.
- ALL TAPES AND MASTICS USED TO SEAL DUCTWORK LISTED AND LABELED IN ACCORDANCE WITH UL 181A SHALL BE MARKED ACCORDINGLY. ALL TAPES AND MASTICS USED TO SEAL FLEXIBLE DUCTS AND AIR CONNECTORS SHALL COMPLY WITH UL 181B AND MARKED ACCORDINGLY.
- THERMOSTATIC CONTROLS OF EQUIPMENT SHALL HAVE A 5' F DEADBAND.
- SPACE ALLOCATION, COORDINATION WITH ELECTRICAL, ARCHITECTURAL & OTHER MECHANICAL COMPONENTS HAVE BEEN MADE WITH RESPECT TO ALL EQUIPMENT SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS OF THE FIRST NAMED MANUFACTURER ONLY. OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET PERFORMANCE REQUIREMENTS AND AFOREMENTIONED COORDINATION.
- OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.

KEYNOTES

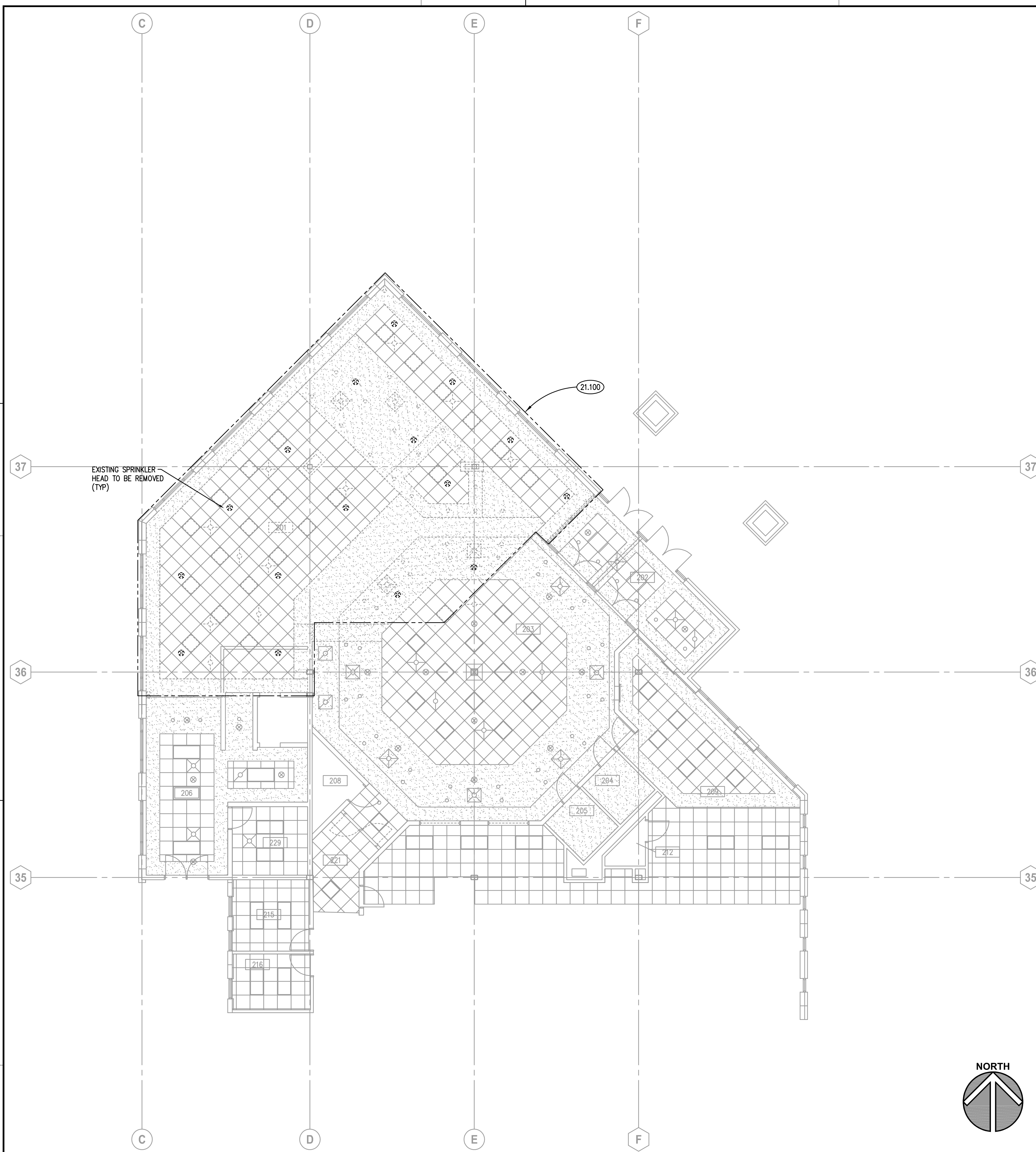
- KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.
- 23.100 REMOVE SUPPLY DIFFUSER. REMOVE SUPPLY DUCT BACK TO LOCATION AS SHOWN AND PROVIDE TEMPORARY CAP FOR NEW CONNECTION.
 - 23.101 REMOVE VAV BOX. REMOVE ALL ASSOCIATED POINTS AND GRAPHICS FROM THE BUILDING AUTOMATION SYSTEM.
 - 23.102 REMOVE SUPPLY DUCT MAIN AS SHOWN. PROVIDE TEMPORARY CAP ON SUPPLY DUCT FOR NEW CONNECTION.
 - 23.103 REMOVE THERMOSTAT AND ASSOCIATED WIRING IN ITS ENTIRETY.
 - 23.104 REMOVE AIR TRANSFER DUCT.
 - 23.105 REMOVE SUPPLY DIFFUSER. REMOVE SUPPLY DUCT BACK TO LOCATION AS SHOWN AND PROVIDE PERMANENT CAP.
 - 23.106 DISCONNECT THERMOSTAT WIRING FOR EXISTING VAV BOX AND ABANDON THERMOSTAT IN PLACE.
 - 23.200 INTERFACE ALL NEW VAV BOXES INTO EXISTING JOHNSON CONTROLS FACILITY EXPLORER BUILDING AUTOMATION SYSTEM.
 - 23.202 RE-BALANCE EXISTING VAV BOX TO NEW AIRFLOW AS SHOWN ON DRAWING M410.
 - 23.203 PROVIDE NEW THERMOSTAT FOR EXISTING VAV BOX (TU-E3-4) AS SHOWN. TIE NEW THERMOSTAT INTO EXISTING OPERATION OF VAV BOX.

KEY PLAN



ISSUED	
REVISED	
BID DOCUMENTS	
JOB NO.	23-471-1466
DRAWN	KJD
CHECKED	BWG
APPROVED	DDW
SHEET TITLE	
MECHANICAL FLOOR PLANS	
SHEET NUMBER	
M310	

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES. 212



FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN
SCALE: 1/8" = 1'-0" ①



FIRST FLOOR FIRE PROTECTION PLAN
SCALE: 1/8" = 1'-0" ②

CEILING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GYPSUM BOARD		MECHANICAL DIFFUSER: SUPPLY
	ACoustical CEILING TILE: 2' X 2'		MECHANICAL DIFFUSER: RETURN
			MECHANICAL DIFFUSER: EXHAUST
			MECHANICAL DIFFUSER: LINEAR SUPPLY
			COMBINATION LIGHT/EXHAUST FAN
			LIGHT FIXTURE: 24" X 24"
			LIGHT FIXTURE
			SPRINKLER HEADS A: FENDANT B: UPRIGHT C: CONCEALED D: SIDEWALL
			DOWN LIGHT FIXTURES A: SPOT B: DOWN C: WALL WASHER D: SOURCE

GENERAL NOTES

- REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.
- SPRINKLER SYSTEM SHOWN ARE CONCEPT DRAWINGS AND ARE SCHEMATIC FOR BIDDING PURPOSES ONLY. CONCEPT DRAWINGS ARE INTENDED TO ILLUSTRATE THE SCOPE OF WORK. THE CONTRACTOR SHALL VERIFY ALL INFORMATION CONTAINED ON THESE DRAWINGS.
- ALL PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS, AND RISES. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF THE SPRINKLER SYSTEM. THE DESIGN SHALL BE ACCOMPLISHED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER OR NICET LEVEL III/IV. SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SHALL BEAR THE LICENSED PROFESSIONAL'S STAMP.
- FIRE PROTECTION SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13.
- PIPING 2 INCHES AND SMALLER SHALL BE SCHEDULE 40 BLACK STEEL PIPING WITH THREADED COUPLINGS AND FITTINGS. PIPING 2-1/2" AND LARGER SHALL BE SCHEDULE 10 BLACK STEEL PIPING WITH ROLL-GROOVED FITTINGS AND COUPLINGS.
- BUILDING FIRE PROTECTION SYSTEM IS SUPPLIED BY A 1000 GPM AT 90 PSI FIRE PUMP. HYDRAULIC PLACARD FOR AREA E INDICATES DENSITY OF 0.20 GPM/SF OVER 1500 SQ FT. SYSTEM DEMAND 439.98 GPM AT RESIDUAL PRESSURE OF 90.13 PSI ON LEVEL 1.
- ALL SPRINKLER HEADS IN LAY-IN CEILING TILES SHALL BE CENTERED ON 2'x2' END AREA OF TILE.
- AREA OF RENOVATION IS ZONE 4 OF FIRE PROTECTION SYSTEM WITH FIRE PUMP.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL TRADES.
- DO NOT CUT THROUGH MASONRY BOND BEAMS OR ANY OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL PIPING, CONDUITS OR OTHER WORK. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY OF THE DAMAGED ELEMENTS.
- OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.

KEYNOTES

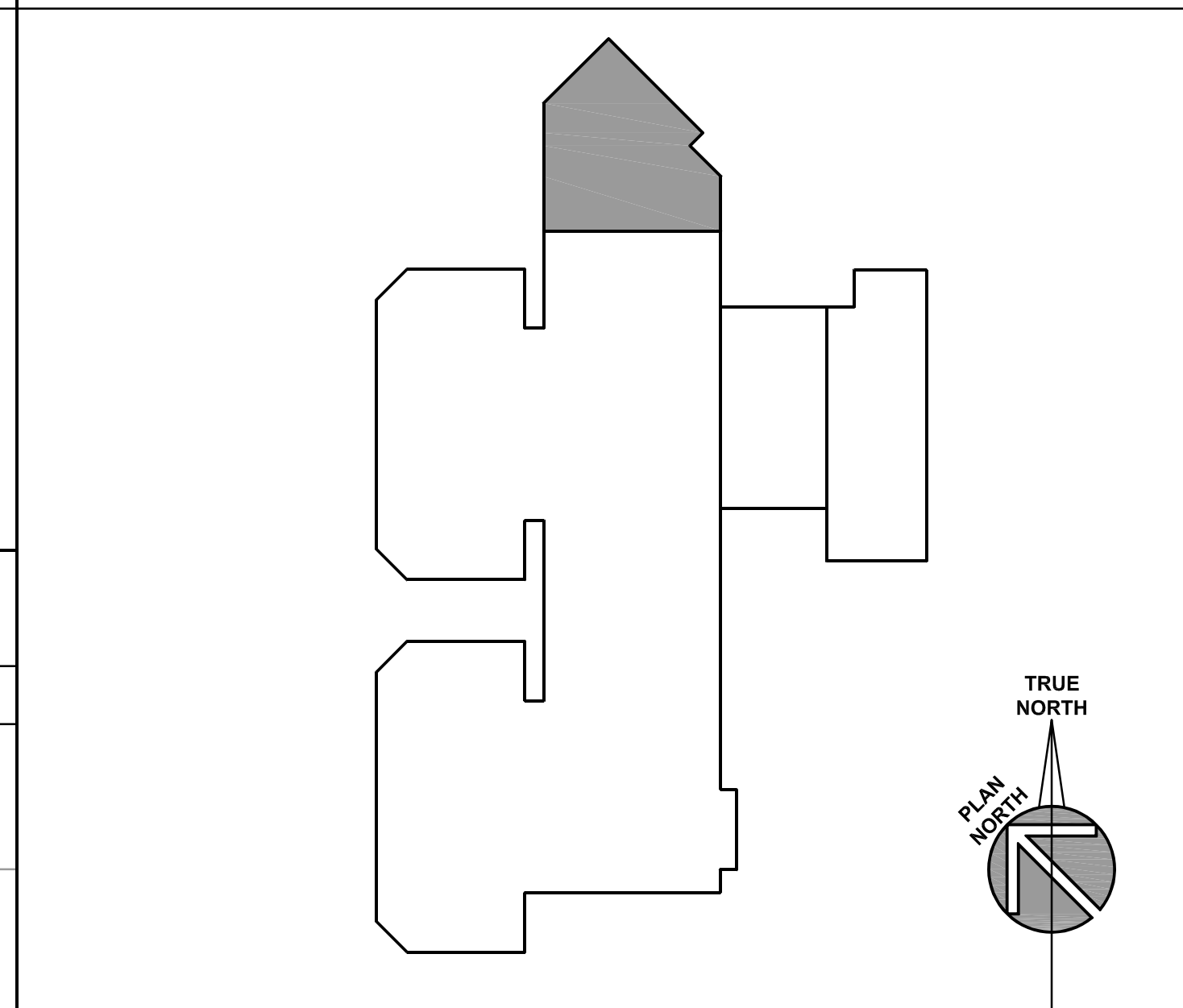
KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 21.100 REMOVE SPRINKLER HEADS AND PIPING AS REQUIRED FOR MODIFICATIONS IN OUTLINED AREA SHOWN. REFER TO NEW WORK PLAN. PROVIDE PERMANENT CAP ON BRANCH TAKE-OFFS NOT TO BE REUSED.
- 21.200 PROVIDE NEW SPRINKLER HEADS, MATERIAL AND LABOR TO PROVIDE FIRE PROTECTION OF OUTLINED AREA TO ACCOMMODATE NEW CEILING AND ROOM CONFIGURATIONS.

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
201	SHARED OFFICE	201K	KITCHENETTE
201A	OFFICE	201L	CLOSET
201B	CONFERENCE ROOM	203	EXISTING LOBBY
201C	OFFICE	221	EXISTING CORRIDOR
201D	OFFICE		
201E	OFFICE		
201F	CORRIDOR		
201G	CLOSET		
201H	RESTROOM		
201J	RESTROOM		

KEYPLAN



ISSUED
UNREVISED BID DOCUMENTS

JOB NO.	23-471-1466
DRAWN	DW
CHECKED	DW
APPROVED	DW

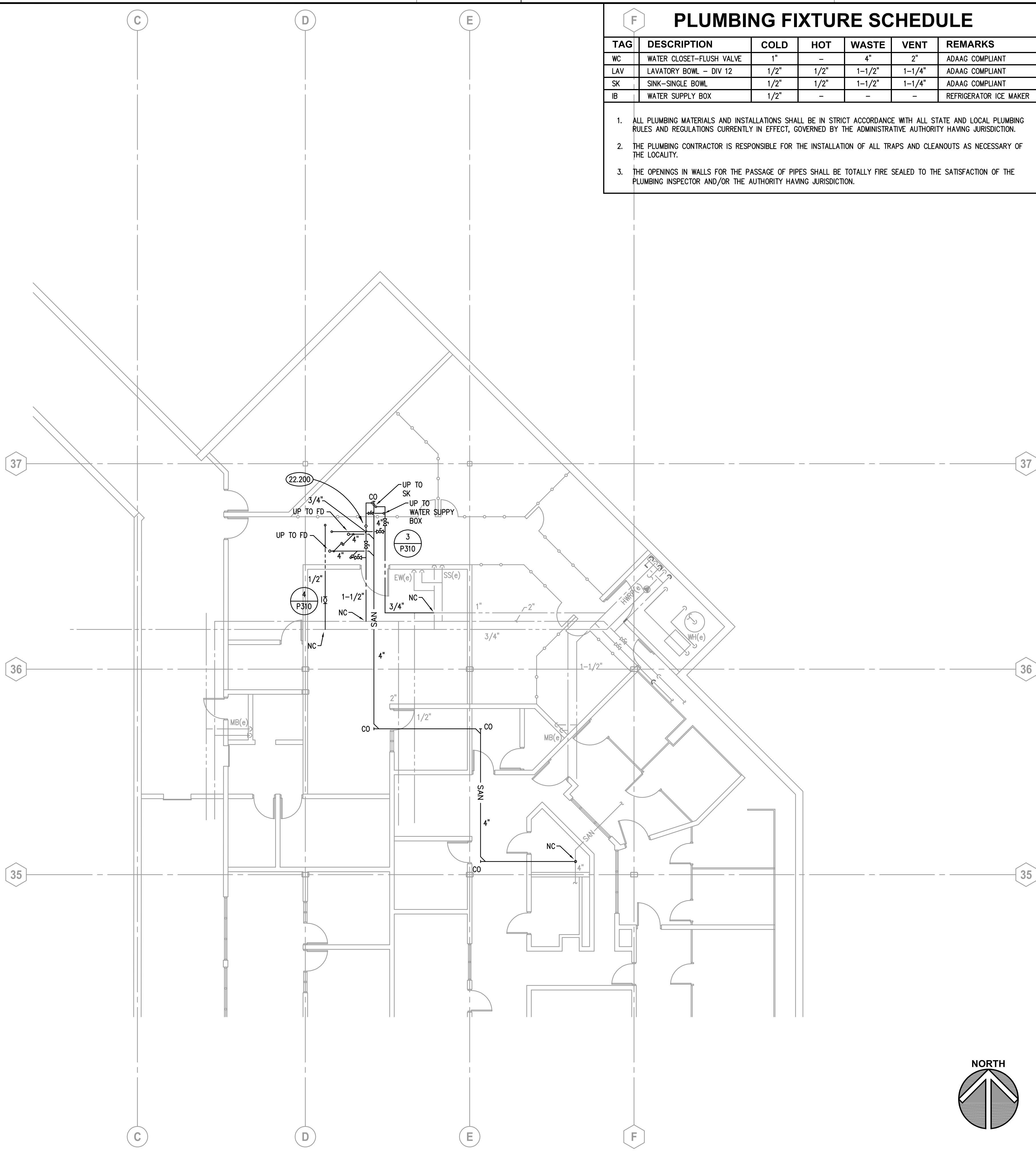
SHEET TITLE
FIRE PROTECTION FLOOR PLANS

SHEET NUMBER
F310

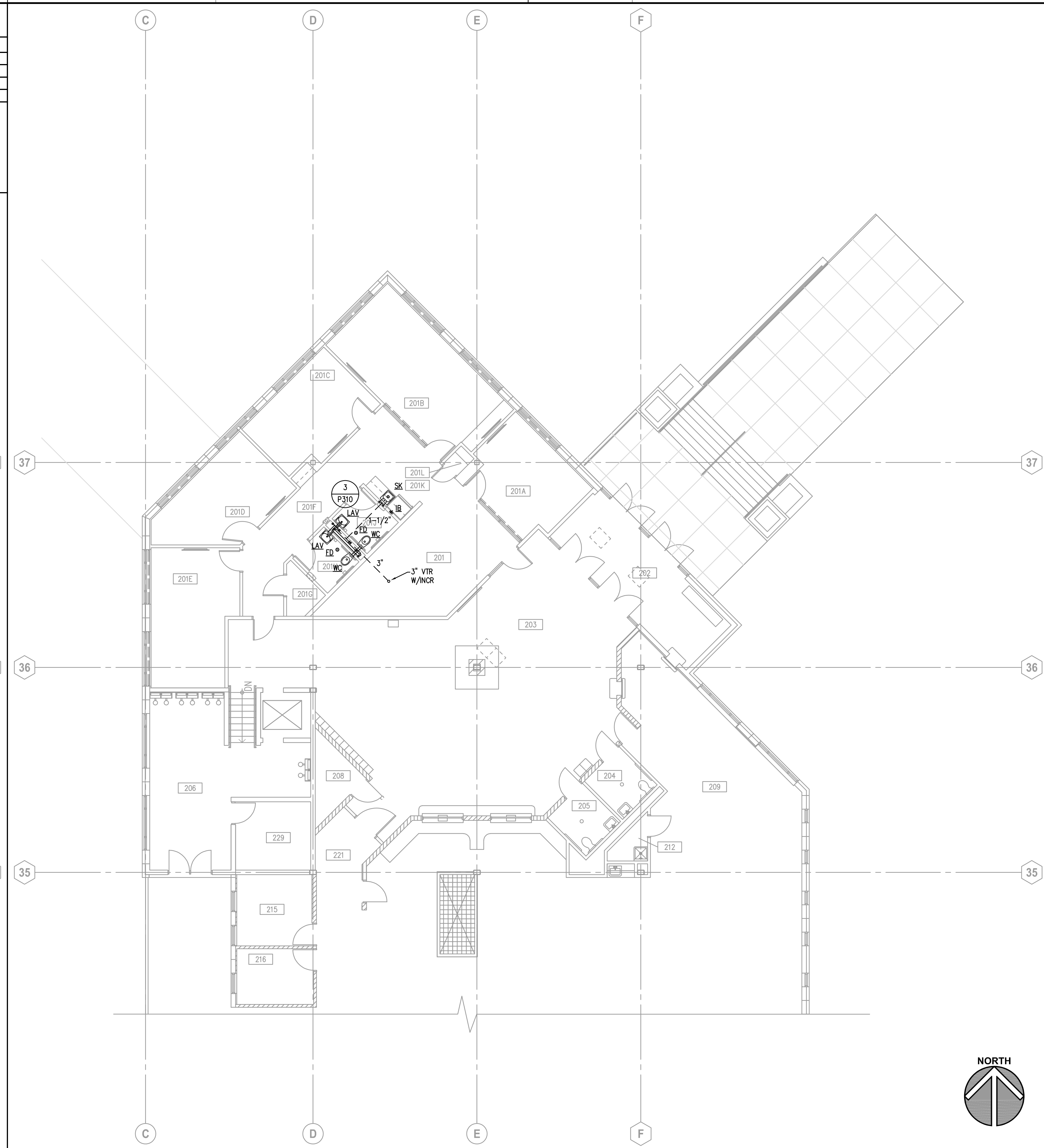
PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	COLD	HOT	WASTE	VENT	REMARKS
WC	WATER CLOSET-FLUSH VALVE	1"	-	4"	2"	ADAAG COMPLIANT
LAV	LAVATORY BOWL - DIV 12	1/2"	1/2"	1-1/2"	1-1/4"	ADAAG COMPLIANT
SK	SINK-SINGLE BOWL	1/2"	1/2"	1-1/2"	1-1/4"	ADAAG COMPLIANT
IB	WATER SUPPLY BOX	1/2"	-	-	-	REFRIGERATOR ICE MAKER

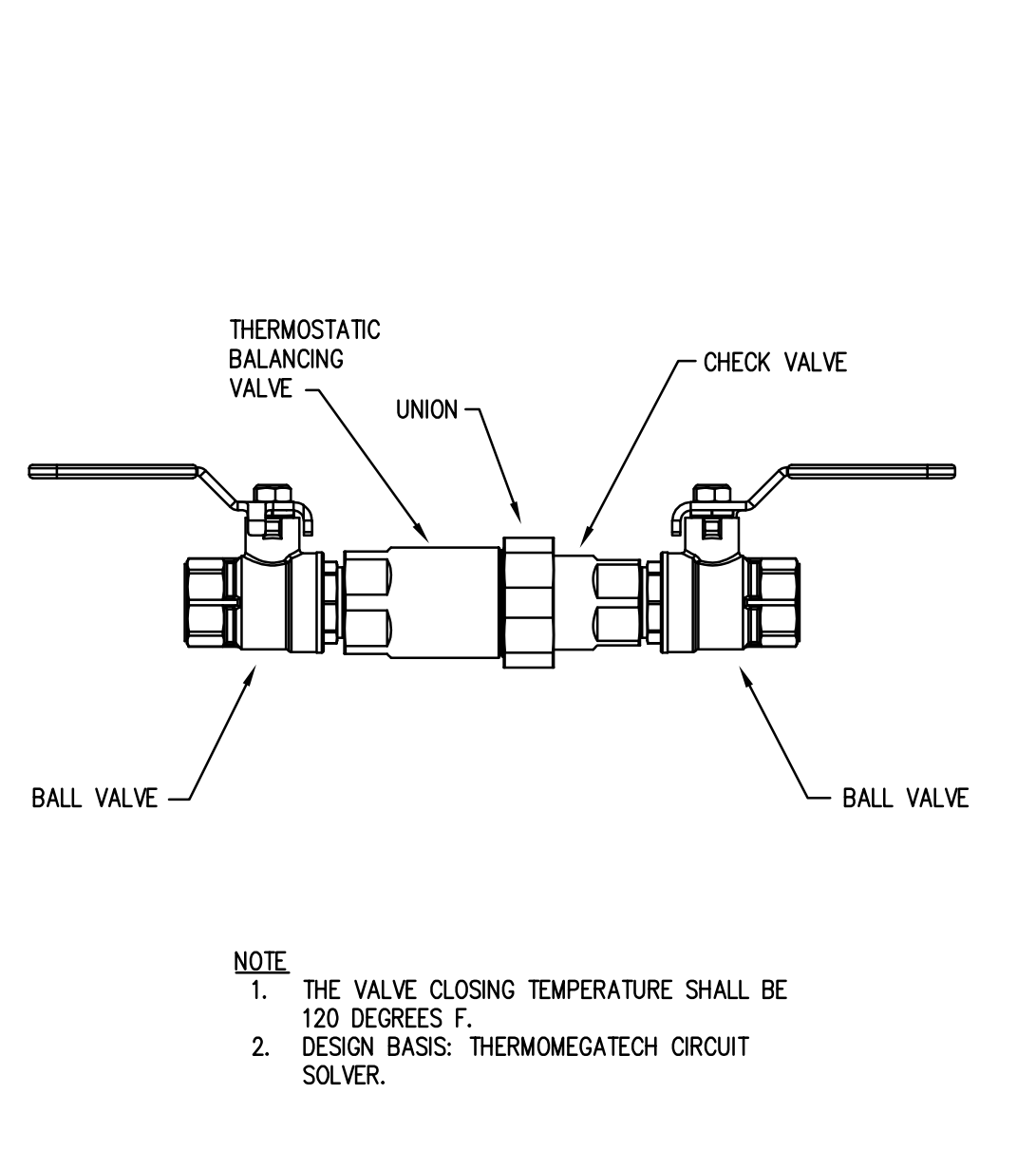
- ALL PLUMBING MATERIALS AND INSTALLATIONS SHALL BE IN STRICT ACCORDANCE WITH ALL STATE AND LOCAL PLUMBING RULES AND REGULATIONS CURRENTLY IN EFFECT, GOVERNED BY THE ADMINISTRATIVE AUTHORITY HAVING JURISDICTION.
- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL TRAPS AND CLEANOUTS AS NECESSARY OF THE LOCALITY.
- THE OPENINGS IN WALLS FOR THE PASSAGE OF PIPES SHALL BE TOTALLY FIRE SEALED TO THE SATISFACTION OF THE PLUMBING INSPECTOR AND/OR THE AUTHORITY HAVING JURISDICTION.



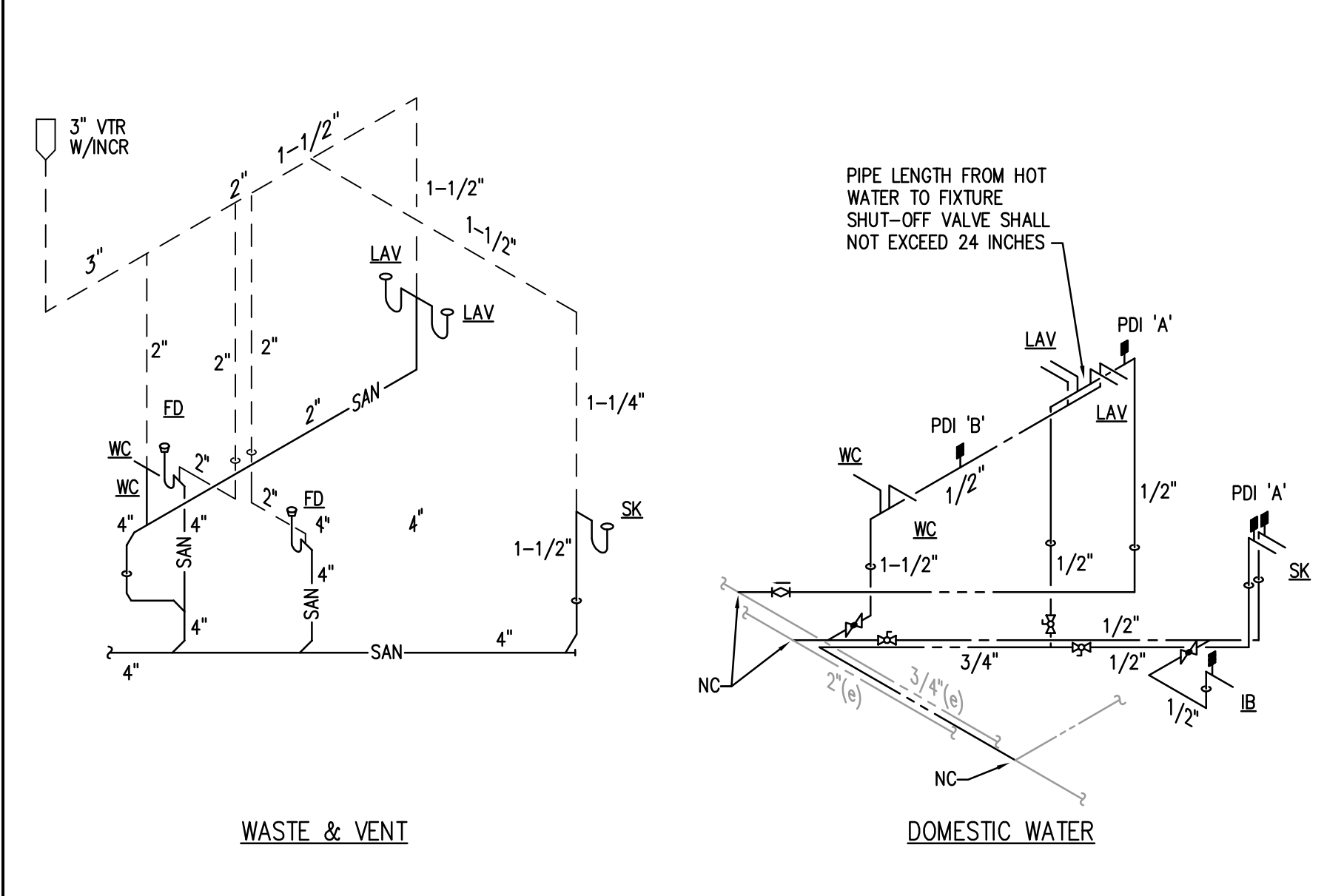
BASEMENT PLUMBING FLOOR PLAN
SCALE: 1/8" = 1'-0" **1**



FIRST FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0" **2**



THERMOSTATIC SELF-ACTUATING VALVE
NTS **4**



RISER DIAGRAM
SCALE: NTS **3**

- #### GENERAL NOTES
- REFER TO DRAWING G100 FOR PROJECT GENERAL NOTES.
 - ALL SANITARY, WASTE AND STORM PIPES UP TO AND INCLUDING 3 INCHES SHALL SLOPE AT 1/4 INCH PER FOOT, 4 INCHES AND LARGER SHALL SLOPE AT 1/8 INCH PER FOOT, UNLESS OTHERWISE NOTED.
 - ALL PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISERS. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MATERIAL AND LABOR FOR A COMPLETE AND WORKING SYSTEM.
 - OBTAIN AND PAY ALL COSTS FOR PERMITS, LICENSES, CERTIFICATE FILING AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
 - EXISTING PIPING INDICATED ON THESE PLANS SHALL BE FIELD VERIFIED FOR EXACT LOCATIONS, QUANTITY AND PIPE SIZES.
 - DO NOT CUT THROUGH THE MASONRY BOND BEAMS OR OTHER STRUCTURAL ELEMENT WHEN INSTALLING OPENINGS REQUIRED FOR ALL PIPING, CONDUITS OR OTHER WORK. CONTRACTOR CUTTING THROUGH OR OTHERWISE DAMAGING THESE ELEMENTS WILL BE RESPONSIBLE FOR ALL ASSOCIATED ENGINEERING FEES AND SUBSEQUENT RETRO-FIT/REINFORCING DEEMED NECESSARY TO REINSTATE THE CONTINUITY OF THE DISRUPTED ELEMENTS.
 - SPACE ALLOCATION, COORDINATION WITH ELECTRICAL, ARCHITECTURAL & OTHER PLUMBING COMPONENTS HAVE BEEN MADE WITH RESPECT TO ALL EQUIPMENT SCHEDULED ON THESE DRAWINGS AND IN THE SPECIFICATIONS OF THE FIRST NAMED MANUFACTURER ONLY. OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY MEET PERFORMANCE REQUIREMENTS AND AFOREMENTIONED COORDINATION.
 - COORDINATE ROUGH-INS FOR AND INSTALLATION OF PLUMBING FIXTURES WITH ACCESSIBILITY AND MOUNTING INFORMATION CONTAINED ON ARCHITECTURAL DRAWINGS.
 - COORDINATE LOCATIONS OF ROUGH-INS FOR SINKS WITH CASEWORK ELEVATIONS CONTAINED ON ARCHITECTURAL DRAWINGS.
 - DRAINAGE AND VENT SYSTEM SHALL BE PRESSURE TESTED WITH WATER OR AIR.
 - ALL BACKFLOW PREVENTER ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CROSS CONNECTION CONTROL DEVICE INSPECTOR (CCCDI) BEFORE INITIAL OPERATION, AND AT LEAST ANNUALLY THEREAFTER.
 - ALL COFFEE MAKERS, HUMIDIFIERS, ICE MACHINES OR SIMILAR EQUIPMENT/FIXTURES WITH A POTABLE WATER SUPPLY LINE SHALL HAVE AN APPROVED DUAL CHECK VALVE DEVICE INSTALLED IN-LINE.

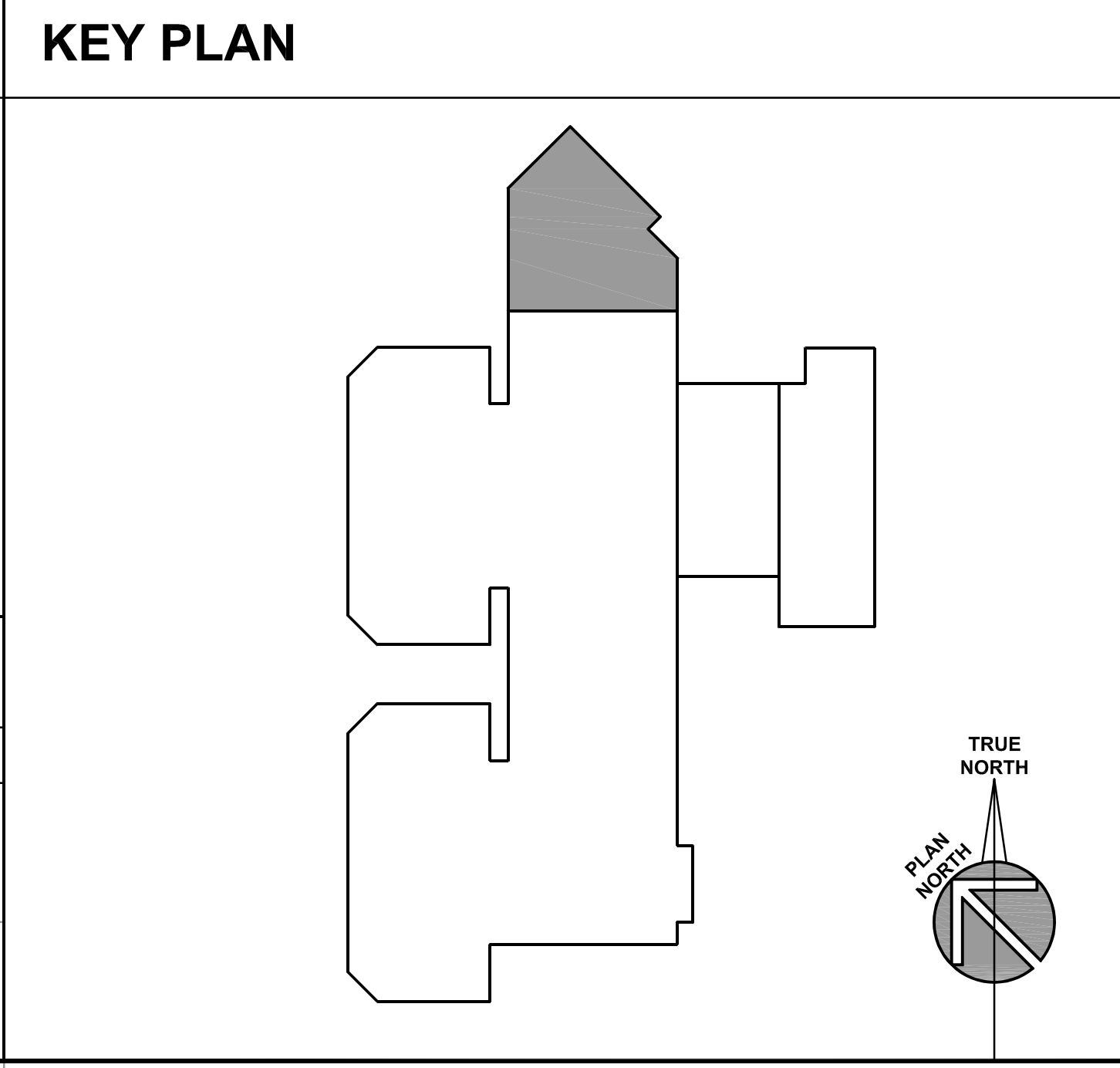
KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

22.200 PROVIDE WATER FILTER SYSTEM, DUPONT MODEL WFP13003B OR APPROVED EQUAL; NSF 42, PLASTIC HEAD AND HOUSING MATERIAL, 10 MICRON, 15,000 GALLON SERVICE LIFE, 5 GPM FLOW RATE, AND POLYMER FILTER MEDIA. PROVIDE WITH HARDWARE, PRESSURE RELIEF, FILTER AND WRENCH.

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
201	SHARED OFFICE	201K	KITCHENETTE
201A	OFFICE	201L	CLOSET
201B	CONFERENCE ROOM	203	EXISTING LOBBY
201C	OFFICE		
201D	OFFICE		
201E	OFFICE		
201F	CORRIDOR		
201G	CLOSET		
201H	RESTROOM		
201J	RESTROOM		



ISSUED	REVISED	DATE	DESCRIPTION

JOB NO. 23-471-1466
DRAWN DDW
CHECKED DDW
APPROVED DDW

SHEET TITLE
PLUMBING FLOOR PLANS

SHEET NUMBER
P310

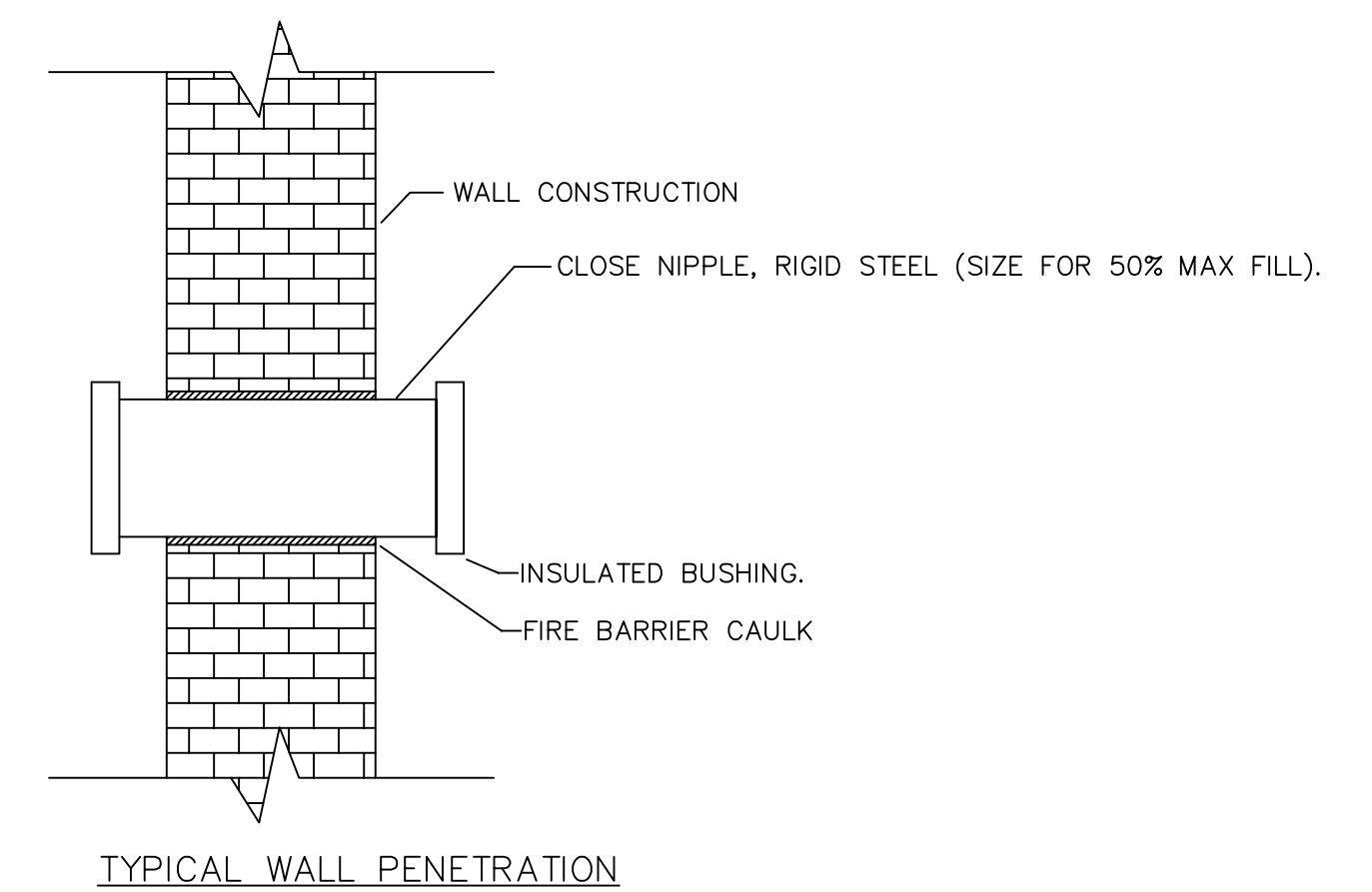
ABBREVIATIONS

Table with columns: SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION. Lists various electrical and mechanical abbreviations such as AMP, AC, AF, AFF, etc.

THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS, ABBREVIATIONS, ETC., ARE NECESSARILY USED IN THIS PROJECT.

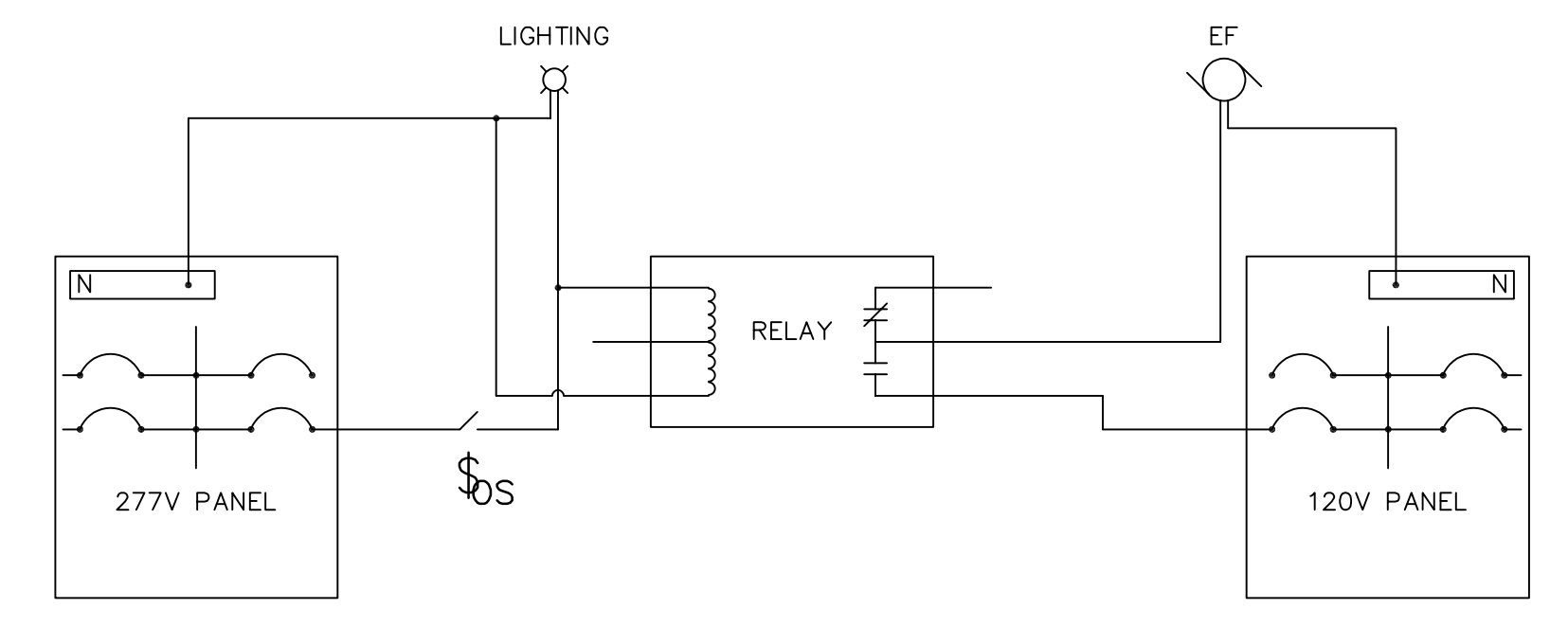
ELECTRICAL SYMBOLS LIST

Table with columns: SYMBOL, DESCRIPTION. Lists electrical symbols for ceiling, wall, and floor, including lighting fixtures, switches, and outlets.



- NOTES: 1. NEATLY CORE ALL MASONRY AND BLOCK WALLS. 2. RIGIDLY SUPPORT ALL RACEWAYS. 3. PROVIDE FIRE BARRIER CAULK AT FLOOR, CORRIDOR AND FIRE SEPARATION WALLS.

TYP. WALL PENETRATION DETAIL SCALE: N.T.S.



TOILET LIGHTING/WIRING DIAGRAM SCALE: NTS

PANEL : SH2 (EXISTING) 225 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO.

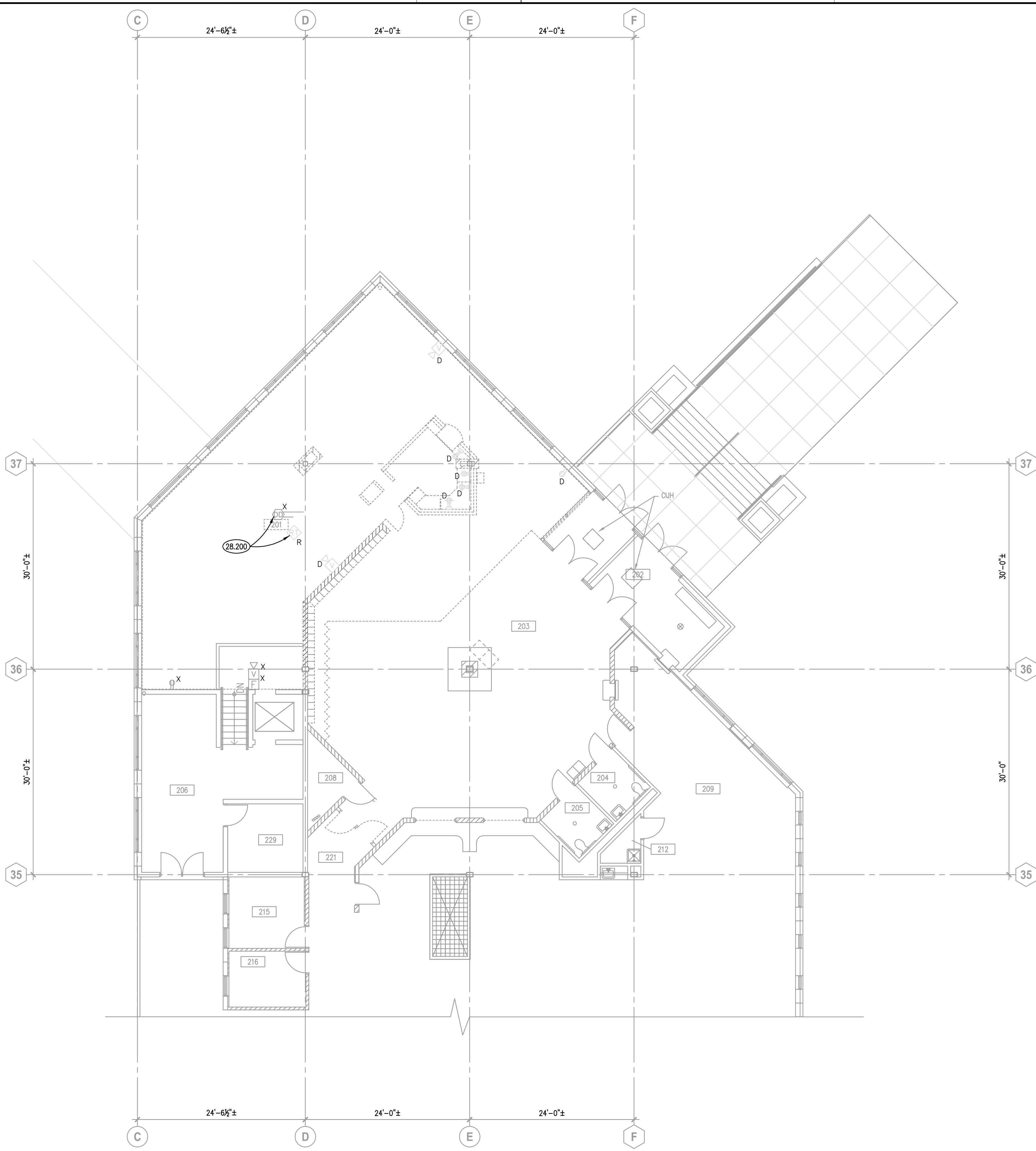
PANEL : SH2 (REMODELED) 225 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO.

PANEL : SL2 (EXISTING) 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO.

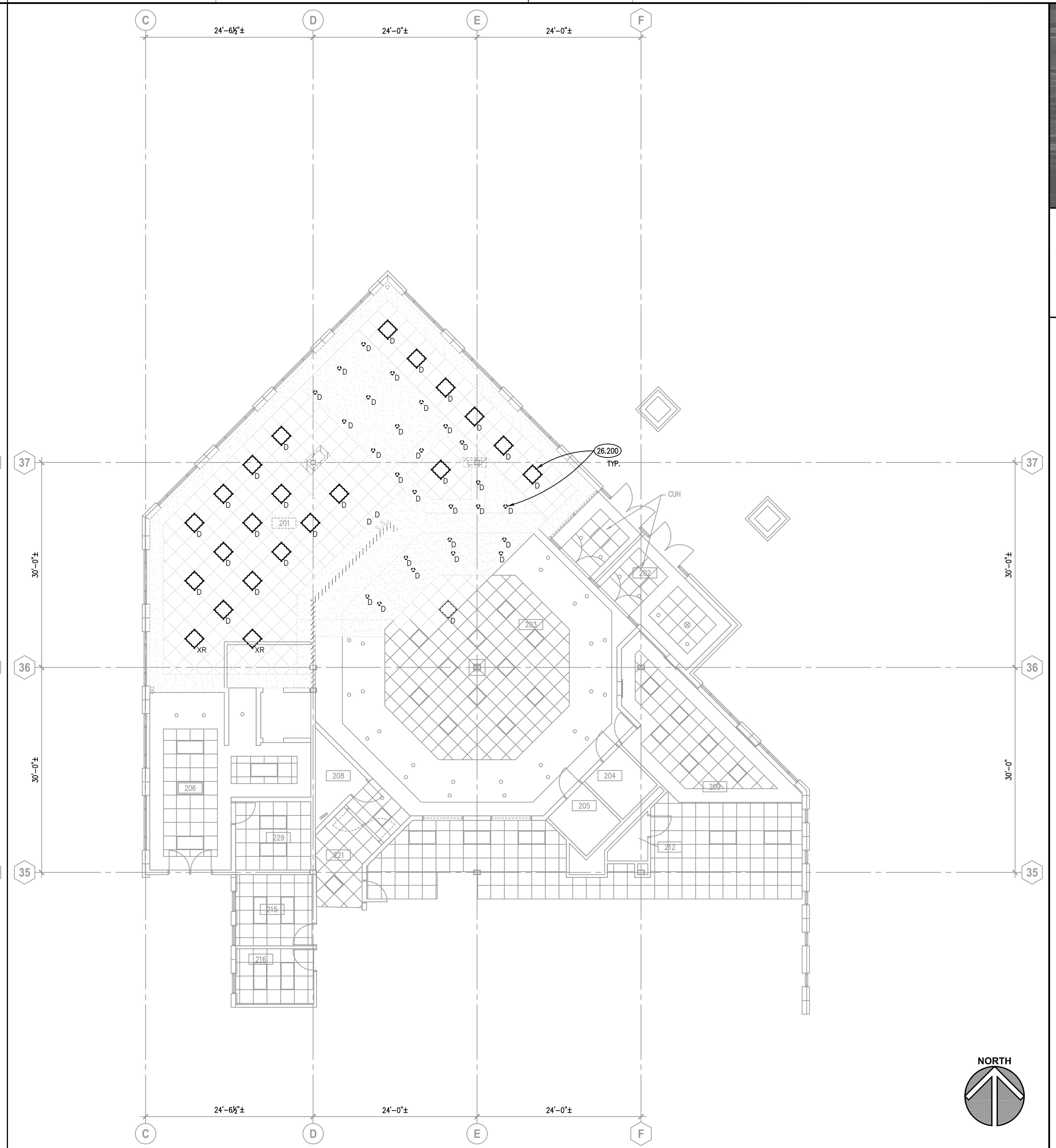
PANEL : SL2 (REMODELED) 100 AMPERE MAIN LUG ONLY. Table with columns: CKT. NO., BRKR, DESCRIPTION, PHASE (A, B, C), DESCRIPTION, BRKR, CKT. NO.

HVAC/PLUMBING EQUIPMENT SCHEDULE table with columns: NO., DESCRIPTION, FLA, KW, HP, VOL, PH, CCT NO., DISC. FURN. BY, STARTER, TYPE, BY, CIRCUIT WIRING, NOTE.

INTERIOR LUMINAIRE SCHEDULE table with columns: TYPE, LAMPS CAT. NO., DESCRIPTION, MFG., CATALOG NUMBER, VOLTAGE, SHIELDING, FINISH, MOUNTING, NOTE.



DEMOLITION POWER PLAN (2)
SCALE: 1/8" = 1'-0"



DEMOLITION LIGHTING PLAN (1)
SCALE: 1/8" = 1'-0"

KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 26.200 DEMOLISH EXISTING LUMINAIRES. EXTEND EXISTING BRANCH CIRCUITRY AS NECESSARY TO LUMINAIRES TO REMAIN TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM. DISCONNECT AND PROTECT EXISTING BRANCH CIRCUIT HOMERUN FOR REUSE.
- 28.200 REMOVE AND PROTECT EXISTING DUCT MOUNTED SMOKE DETECTOR REMOTE TEST STATION. REINSTALL IN NEW LOCATION. COORDINATE FINAL LOCATION WITH OWNER/AHJ PRIOR TO REINSTALLATION.

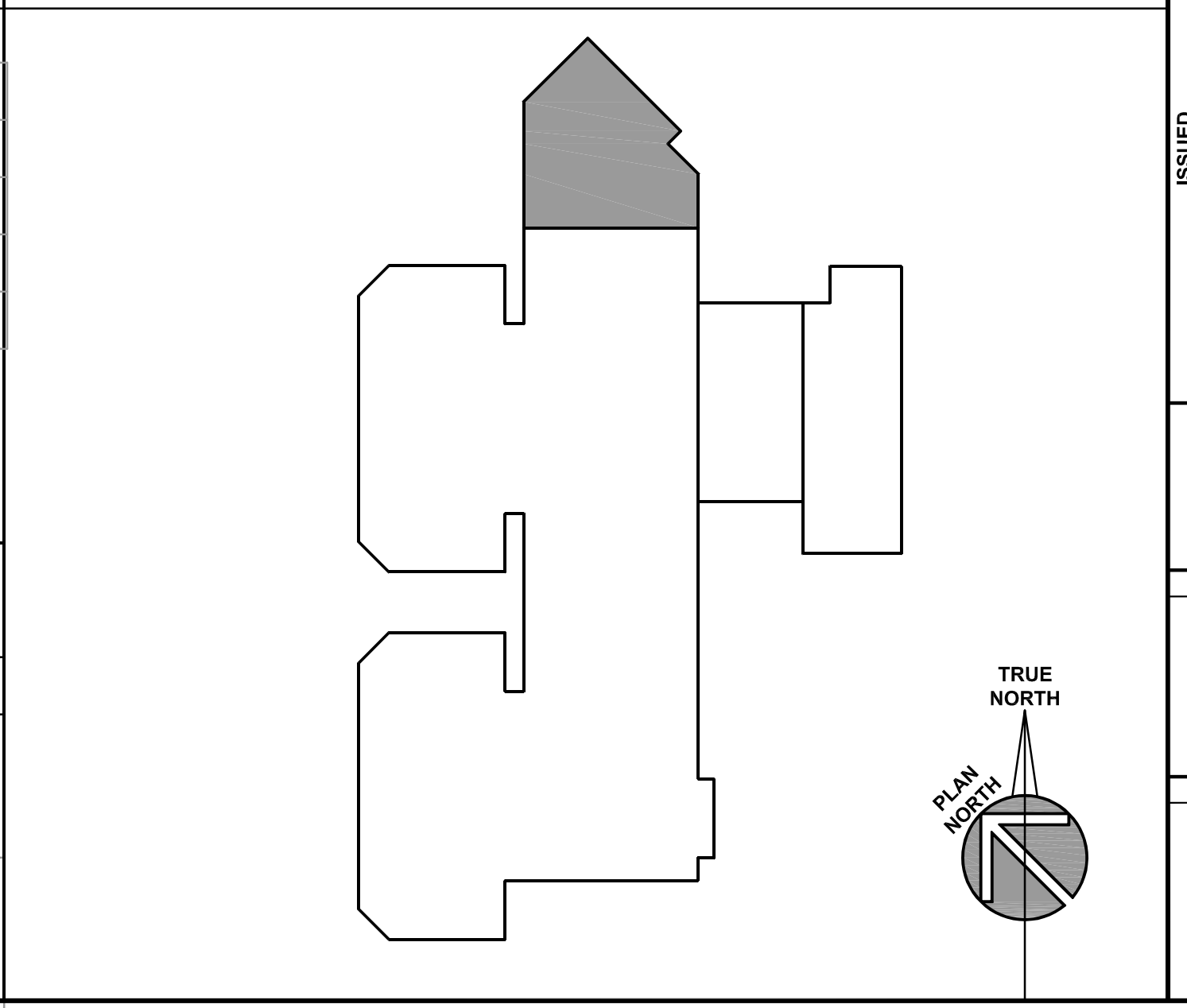
DEMOLITION NOTATION

DEMOLITION	
N	NEW DEVICE OR EQUIPMENT.
D	EXISTING ELECTRICAL OUTLET OR EQUIPMENT TO BE DEMOLISHED.
X	EXISTING ELECTRICAL OUTLET OR EQUIPMENT TO REMAIN. (CIRCUIT # = REROUTE EXISTING CIRCUIT TO NEW CIRCUIT NUMBER)
R	EXISTING ELECTRICAL OUTLET OR EQUIPMENT RELOCATED. (NEW LOCATION)
XR	EXISTING ELECTRICAL OUTLET OR EQUIPMENT TO BE REMOVED & RELOCATED(OLD LOCATION).

ROOM SCHEDULE

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
201	SHARED OFFICE		
201A	OFFICE		
201B	CONFERENCE ROOM		
201C	OFFICE		
201D	OFFICE		
201E	OFFICE		
201F	CORRIDOR		
201G	CLOSET		
201H	RESTROOM		
201J	RESTROOM		

KEY PLAN



ISSUED
03/01/23 - BID DOCUMENTS

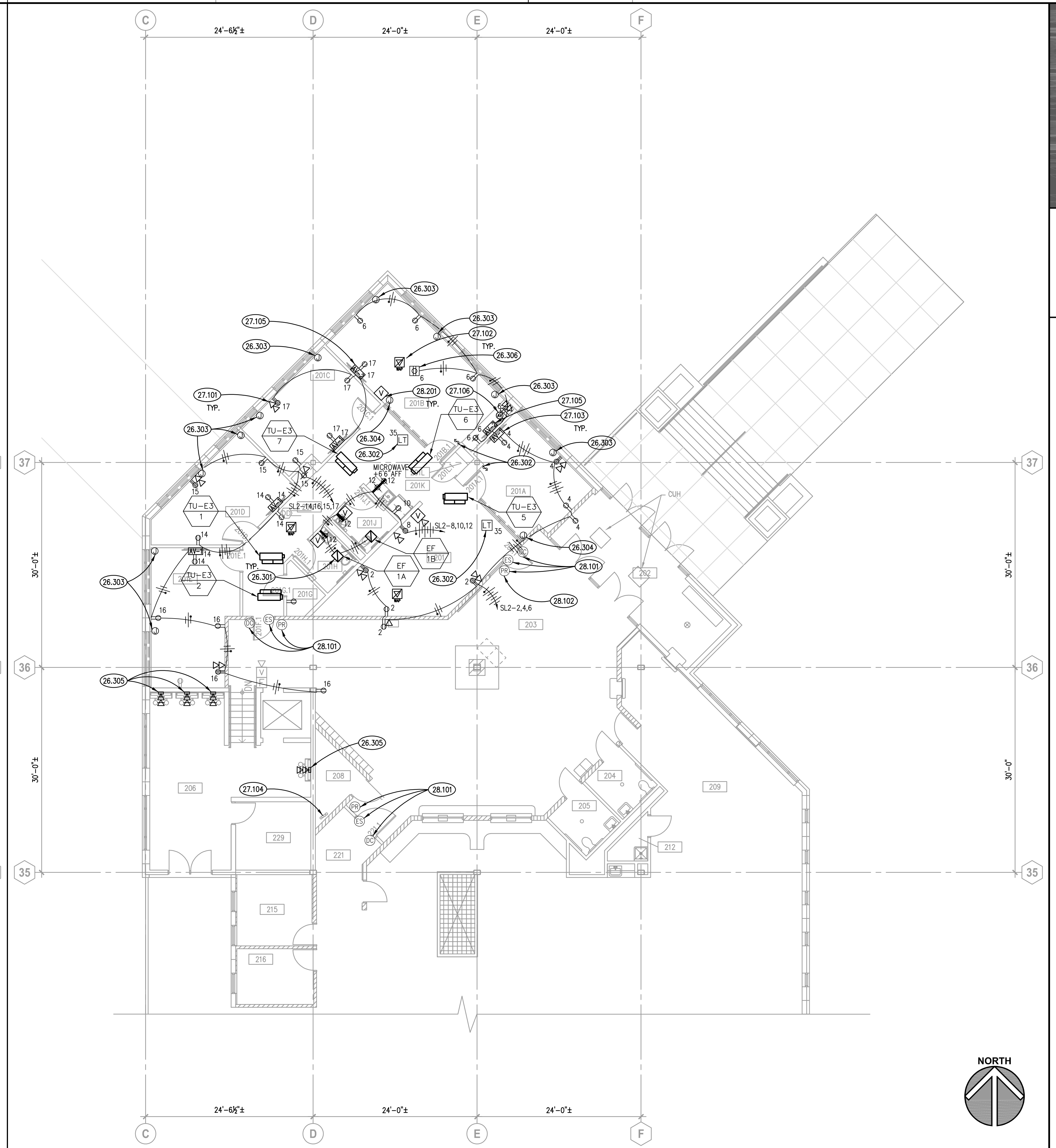
JOB NO. 23-471-1466
DRAWN ATR
CHECKED MTK
APPROVED MTK

SHEET TITLE
ELECTRICAL DEMOLITION PLANS

SHEET NUMBER
E210



LIGHTING PLAN ②
SCALE: 1/8" = 1'-0"



POWER PLAN ①
SCALE: 1/8" = 1'-0"

TECHNOLOGY GENERAL NOTES

- HORIZONTAL CABLING SYSTEM SHALL BE CATEGORY 6 COMPLIANT, PLENUM RATED, UNSHELD TWISTED PAIR TYPE. THE CABLING SYSTEM SHALL BE AN END-TO-END SOLUTION AND COVERED UNDER THE MANUFACTURER WARRANTY.
- ALL COMMUNICATION OUTLETS AND CABLING MUST BE TESTED AND CERTIFIED IN COMPLIANCE WITH ANSI/IEEE 802.3 AND EIA/TIA 568 CATEGORY 6 COMPLIANCE SPECIFICATIONS.
- COORDINATE LAYOUT AND INSTALLATION OF TELECOMMUNICATIONS PATHWAYS AND CABLING WITH THE OWNER'S TELECOMMUNICATIONS AND LAN EQUIPMENT.
- COORDINATE TELECOMMUNICATION OUTLET/CONNECTOR LOCATION WITH THE LOCATION OF POWER RECEPTACLES AND FURNITURE AT EACH WORK AREA.
- LABELING SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS MADE IN THE ANSI/TIA-606-A DOCUMENT, MANUFACTURER'S RECOMMENDATION, AND BEST INDUSTRY PRACTICES.
- WHEREAS REQUIRED, COORDINATE THE INSTALLATION OF CHASES, SLOTS AND SUPPORTING DEVICES, ALONG WITH OPENINGS AND SLEEVES IN OTHER BUILDING COMPONENTS DURING THE PROGRESS OF CONSTRUCTION, TO ALLOW FOR WIRING, CABLING AND EQUIPMENT INSTALLATIONS.
- ALL LOW VOLTAGE WIRING INSTALLED ABOVE CEILING AND IN OPEN STRUCTURES MUST BE SUPPORT WITH J-HOOK HANGERS AND ATTACHED TO THE BUILDING STRUCTURE. HOOKS SHALL BE EVENLY SPACES WITH A MAXIMUM SPACING OF 4.5'. AN ABOVE CEILING INSPECTION IS REQUIRED PRIOR TO DROPPING THE CEILING TILES.
- PROVIDE NECESSARY EQUIPMENT, ACCESSORIES AND MATERIALS TO INCORPORATE INTO OWNER'S CATV SYSTEM. PROVIDE A FULLY FUNCTIONAL SYSTEM THAT MEETS THE INTENDED DESIGN WHETHER EXPRESSLY SPECIFIED OR NOT.
- INTEGRATE ACCESS CONTROL COMPONENTS INTO OWNER'S EXISTING HONEYWELL PROWATCH 3000 SYSTEM. PROVIDE NEW HONEYWELL PROWATCH FW-5000 SERIES DUAL READER MODULES. PROVIDE NECESSARY EQUIPMENT, ACCESSORIES AND MATERIALS FOR A FULLY FUNCTIONAL SYSTEM THAT MEETS THE INTENDED DESIGN WHETHER EXPRESSLY SPECIFIED OR NOT. ACCESS CONTROL PANELS ARE LOCATED IN RM B-226.

KEYNOTES

- 26.300 LOCATION OF ELECTRICAL ROOM D-216.
- 26.301 PROVIDE RELAY TO INTERLOCK ROOM EXHAUST FAN ON/OFF WITH LIGHTING CONTROL OCCUPANCY SENSOR SWITCH (BASIS OF DESIGN: FUNCTIONAL DEVICES RIB2402B).
- 26.302 PROVIDE ELECTRICAL CONNECTION TO ELECTRONICALLY CONTROLLED SWITCHABLE GLASS. INSTALL LOW VOLTAGE TRANSFORMER, FURNISHED BY GLASS MANUFACTURER, LOCATE ABOVE ACCESSIBLE CEILING. PROVIDE ON/OFF TOGGLE SWITCH GANGED WITH ROOM LIGHTING SWITCH.
- 26.303 PROVIDE ELECTRICAL CONNECTION TO MOTORIZED SHADES.
- 26.304 ALTERNATE NO. 1 - PROVIDE ELECTRICAL CONNECTION TO MOTORIZED SHADES IN LIEU OF ELECTRONICALLY CONTROLLED SWITCHABLE GLASS.
- 26.305 PROVIDE TWO-CELL SURFACE RACEWAY FOR RELOCATED OWNER'S EXISTING VIDEO VISTATION EQUIPMENT. PROVIDE DATA RECEPTACLES AS SHOWN, HOMERUN DEDICATED 2#18 FROM EACH VIDEO MONITOR TO WALL-MOUNTED SECURITY CABINET LOCATED NOMINALLY 130' SOUTH OF INSTALLED LOCATION. FIELD VERIFY EXACT ROUGH-IN REQUIREMENTS WITH EXISTING SYSTEM PRIOR TO INSTALLATION.
- 26.306 PROVIDE RECESSED POKE-THRU FLOOR BOX (BASIS OF DESIGN - LEGRAND 6AT) WITH DUPLEX RECEPTACLE AND (2) PORT DATA OUTLET.
- 26.400 LOCATE AND INTERCEPT EXISTING EMERGENCY LIGHTING BRANCH CIRCUIT. EXTEND TO NEW EXIT SIGNAGE AND EMERGENCY/NIGHT LIGHTING AS INDICATED.
- 26.401 EXTEND EXISTING LIGHTING CIRCUITRY TO NEW LUMINAIRES AS REQUIRED TO ENSURE A COMPLETE AND OPERATIONAL SYSTEM.
- 27.101 2 PORT DATA OUTLET - 4-INCH SQUARE BACKBOX WITH SINGLE-CANG RING 1 INCH CONDUIT FROM DEVICE BOX TO ACCESSIBLE CEILING. (2) CAT 6 NETWORK CABLES/JACKS ROUTED TO IDF IN RM E-107 THROUGH CONDUIT STUB IN RM E-208. CABLE COLOR: BLUE.
- 27.102 WAP OUTLET - (1) CAT 6 NETWORK CABLE WITH CEILING CONNECTOR PLUG ROUTED TO IDF IN RM E-107 THROUGH CONDUIT STUBS IN RM E-208. PROVIDE 30FT SERVICE LOOP SECURED ABOVE CEILING. OR ON BAR JOIST. CABLE COLOR: BLUE. WAP BY OWNER.
- 27.103 AV-1 - LEGRAND - MODEL: EFSB4 BOX. PROVIDE WITH: (1) 120V DUPLEX RECEPTACLE. 2 INCH CONDUIT FROM DEVICE BOX TO ACCESSIBLE SPACE ABOVE CEILING. (1) CAT 6 NETWORK CABLES/JACKS ROUTE TO IDF IN RM E-107 THROUGH CONDUIT STUB IN RM E-208. CABLE COLOR: PURPLE. (1) RG-6 PLENUM RATED COAXIAL CABLE CONNECTED INTO EXISTING CATV SYSTEM.

ROOM SCHEDULE

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

RM. NO.	ROOM NAME	RM. NO.	ROOM NAME
201	SHARED OFFICE	201K	KITCHENETTE
201A	OFFICE	201L	CLOSET
201B	CONFERENCE ROOM	203	EXISTING LOBBY
201C	OFFICE		
201D	OFFICE		
201E	OFFICE		
201F	CORRIDOR		
201G	CLOSET		
201H	RESTROOM		
201J	RESTROOM		

KEY PLAN



ISSUED	
REVISED	
DATE	
BY	
DESCRIPTION	
JOB NO.	23-471-1466
DRAWN	ATR
CHECKED	MTK
APPROVED	MTK
SHEET TITLE	ELECTRICAL PLANS
SHEET NUMBER	E310

NOTE: SCALES DEPICTED ON THIS DRAWING ARE NOT CORRECT UNLESS PLOTTED SHEET SIZE IS 30 X 42 INCHES. 2/18

**PROJECT MANUAL
FOR**

**NEW ADMINISTRATION WING
ST. CHARLES, ILLINOIS**

OWNER

**KANE COUNTY SHERIFF
37W755 IL-38
ST. CHARLES, ILLINOIS 60175**

ARCHITECT / ENGINEER

**KLUBER, INC.
41 W. BENTON STREET
AURORA, ILLINOIS 60506**



**SECTION 00 01 01
PROJECT TITLE PAGE**

PROJECT MANUAL

FOR

KANE COUNTY SHERIFF - NEW ADMINISTRATION WING

37W755 IL-38

ST. CHARLES, IL 60175

OWNER

KANE COUNTY SHERIFF

37W755 IL-38

ST. CHARLES, IL 60175

ARCHITECT / ENGINEER

KLUBER ARCHITECTS + ENGINEERS

41 W. BENTON STREET

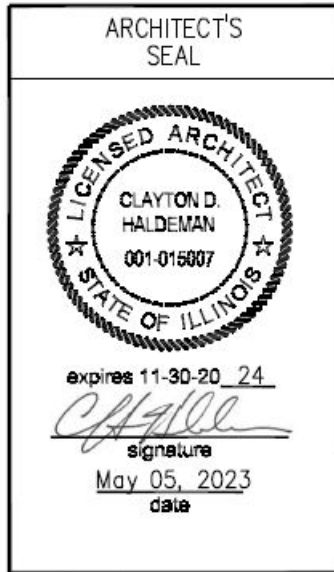
AURORA, ILLINOIS 60506

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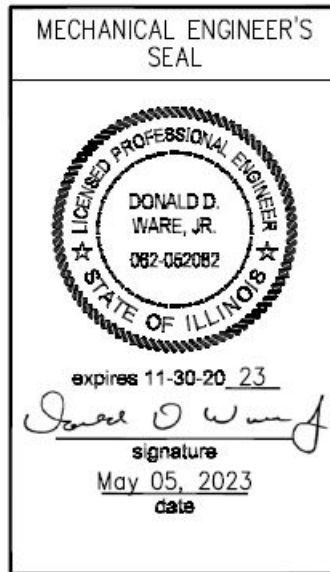
SECTION 00 01 07
SEALS PAGE

1.01 DESIGN PROFESSIONALS' SEALS

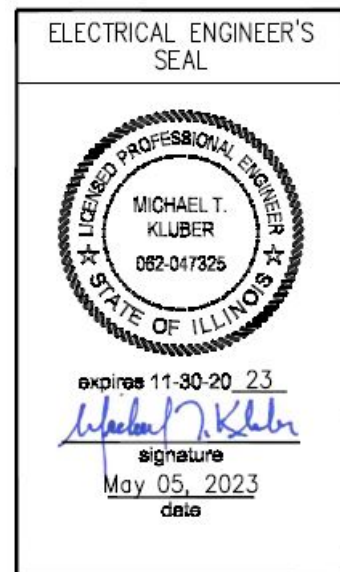
A. ARCHITECT



B. MECHANICAL
ENGINEER



C. ELECTRICAL
ENGINEER



END OF DOCUMENT

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1.01 GENERAL

G100 COVER SHEET, GENERAL NOTES, SYMBOLS & DRAWING INDEX

G201 ACCESSIBILITY REQUIREMENTS

1.02 ARCHITECTURAL

A310 DEMOLITION & NEW WORK FIRST FLOOR PLAN

A410 DEMOLITION & NEW WORK FIRST FLOOR REFLECTED CEILING PLAN

A800 DOOR, FRAME & HARDWARE SCHEDULES, TOILET ACCESSORIES & FINISH
SCHEDULE

A1100 INTERIOR PARTITION TYPES & DETAILS

1.03 MECHANICAL

M310 MECHANICAL FLOOR PLANS

M410 MECHANICAL SCHEDULES, DETAILS & TEMPERATURE CONTROLS

1.04 FIRE PROTECTION

F310 FIRE PROTECTION FLOOR PLANS

1.05 PLUMBING

P310 PLUMBING FLOOR PLANS

1.06 ELECTRICAL

E050 ELECTRICAL SYMBOLS LIST, ABBREVIATIONS, SCHEDULES & DETAILS

E230 ELECTRICAL DEMOLITION PLANS

E310 ELECTRICAL PLANS

END OF DOCUMENT

**SECTION 00 43 23
BID FORM SUPPLEMENT - LIST OF ALTERNATES**

1.01 PARTICULARS

A. The following is the list of Alternates referenced in the bid submitted by:

(Bidder) _____

Dated _____ and which is an integral part of the Bid Form.

1.02 ALTERNATES LIST

A. The following amounts shall be added to or deducted from the Bid Amount. Refer to Section 01 23 00 - Alternates: Schedule of Alternates.

1. Alternate # 1: (Add) (Deduct) \$ _____

END OF DOCUMENT

**SECTION 01 10 00
SUMMARY**

PART 1 GENERAL

1.01 PROJECT

- A. Project Name: KANE COUNTY SHERIFF - NEW ADMINISTRATION WING.
- B. Architect/Engineer's Name: Kluber Architects + Engineers.
- C. The Project consists of the construction of selective demolition, masonry work, steel lintels, doors and glazing, drywall, painting, flooring, ceilings, electrical, plumbing, HVAC, fire suppression and specialties equipment.

1.02 CONTRACT DESCRIPTION

- A. Contract Type: A single prime contract based on a Stipulated Price.

1.03 DESCRIPTION OF ALTERATIONS WORK

- A. Scope of demolition and removal work is indicated on drawings and specified in Section 02 41 00.
- B. Scope of alterations work is indicated on drawings.
- C. Contractor is required to remove and store the following prior to start of work, for later reinstallation by Contractor:
 - 1. Existing TV monitor in lobby.
 - 2. Existing lockers in lobby.
- D. Contractor is required to relocate the following:
 - 1. Communication terminals. 8 total/ 6 general and 2 ADA compliant. See A310 for locations.

1.04 WORK BY OWNER

- A. Owner will relocate the following:
 - 1. Benches in lobby.
- B. Owner will supply the following for installation by Contractor:
 - 1. TV Monitors.
 - 2. Refrigerator.
 - 3. Microwave.

1.05 OWNER OCCUPANCY

- A. Owner intends to continue to occupy adjacent portions of the existing building during the entire construction period.
- B. Owner intends to occupy the Project upon Substantial Completion.
- C. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- D. Schedule the Work to accommodate Owner occupancy.

1.06 CONTRACTOR USE OF SITE AND PREMISES

- A. Construction Operations: Limited to areas noted on Drawings.
 - 1. Locate and conduct construction activities in ways that will limit disturbance to site.
- B. Arrange use of site and premises to allow:
 - 1. Use of site and premises by the public.
- C. Provide access to and from site as required by law and by Owner:
 - 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
 - 2. Do not obstruct roadways, sidewalks, or other public ways without permit.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

**SECTION 01 21 00
ALLOWANCES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Cash allowances.
- B. Contingency allowance.
- C. Payment and modification procedures relating to allowances.

1.02 CASH ALLOWANCES

- A. Costs Included in Cash Allowances: Cost of product to Contractor or subcontractor, less applicable trade discounts , less applicable taxes .
- B. Costs Not Included in Cash Allowances: Product delivery to site and handling at the site, including unloading, uncrating, and storage; protection of products from elements and from damage; and labor for installation and finishing. These costs are to be borne by the Contractor and are to be included in the Base Bid .
- C. Differences in costs will be adjusted by Change Order.

1.03 CONTINGENCY ALLOWANCE

- A. Contractor's costs for products, delivery, installation, labor, payroll, taxes and equipment rental will be included in Change Orders authorizing expenditure of funds from this Contingency Allowance.
- B. Funds will be drawn from the Contingency Allowance only by Change Order.
- C. Bond, insurance, overhead and profit fees on Change Orders paid out of Contingency Allowances will not be permitted. The Contractor must carry in its Base Bid OH&P costs on Contingency Allowance funds expenditures.
- D. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order.

1.04 ALLOWANCES SCHEDULE

- A. Contingency Allowance: Include in the Base Bid the stipulated sum of \$60,000.00 for use upon Owner's instructions.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

**SECTION 01 23 00
ALTERNATES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Description of Alternates.
- B. Procedures for pricing Alternates.
- C. Documentation of changes to Contract Sum and Contract Time.

1.02 RELATED REQUIREMENTS

- A. Document 00 21 13 - Instructions to Bidders: Instructions for preparation of pricing for Alternates.
- B. Document 00 43 23 - Bid Form Supplement - List of Alternates: List of Alternates as supplement to Bid Form.
- C. Document 00 52 00 - Agreement Form: Incorporating monetary value of accepted Alternates.

1.03 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

1.04 SCHEDULE OF ALTERNATES

- A. Alternate No. 1 - State the amount to be added to or deducted from the Base Bid to provide window shades & vision glass in lieu of electrical controlled switchable glass and associated electrical work:
 - 1. Base Bid Item: Section 08 88 36.16 and Drawing number A800 including items tagged as EC1.
 - 2. Alternate Item: Section 12 24 00 and Drawing number A310 & A800 including items keyed 12.241.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

**SECTION 01 30 00
ADMINISTRATIVE REQUIREMENTS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. General administrative requirements.
- B. Preconstruction meeting.
- C. Progress meetings.
- D. Construction progress schedule.
- E. Architect/Engineer-provided CAD files.
- F. Requests for Information (RFI) procedures.
- G. Submittals for review, information, and project closeout.
- H. Number of copies of submittals.
- I. Submittal procedures.

1.02 RELATED REQUIREMENTS

- A. Section 01 60 00 - Product Requirements: General product requirements.
- B. Section 01 70 00 - Execution and Closeout Requirements: Additional coordination requirements.
- C. Section 01 78 00 - Closeout Submittals: Project record documents; operation and maintenance data; warranties and bonds.

1.03 GENERAL ADMINISTRATIVE REQUIREMENTS

- A. Comply with requirements of Section 01 70 00 - Execution and Closeout Requirements for coordination of execution of administrative tasks with timing of construction activities.
- B. Make the following types of submittals to Architect/Engineer:
 - 1. Requests for Information (RFI).
 - 2. Requests for substitution.
 - 3. Shop drawings, product data, and samples.
 - 4. Applications for payment and change order requests.
 - 5. Progress schedules.
 - 6. Correction Punch List and Final Correction Punch List for Substantial Completion.
 - 7. Closeout submittals.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 PRECONSTRUCTION MEETING

- A. Architect/Engineer will schedule a meeting after Notice of Award.
- B. Attendance required:
 - 1. Owner.

2. Architect/Engineer.
 3. Contractor.
- C. Agenda:
1. Execution of Owner-Contractor Agreement.
 2. Submission of executed bonds and insurance certificates.
 3. Distribution of Contract Documents.
 4. Designation of personnel representing the parties to Contract and Architect/Engineer.
 5. Procedures and processing of field decisions, Submittals, substitutions, applications for payments, proposal request, Change Orders, and Contract closeout procedures.
 6. Scheduling.
- D. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect/Engineer, Owner, participants, and those affected by decisions made.

3.02 PROGRESS MEETINGS

- A. Make arrangements for meetings, prepare agenda with copies for participants, preside at meetings.
- B. Attendance Required:
1. Contractor.
 2. Owner.
 3. Architect/Engineer.
 4. Contractor's superintendent.
- C. Agenda:
1. Review minutes of previous meetings.
 2. Review of work progress.
 3. Field observations, problems, and decisions.
 4. Identification of problems that impede, or will impede, planned progress.
 5. Review of Submittals schedule and status of Submittals.
 6. Maintenance of progress schedule.
 7. Corrective measures to regain projected schedules.
 8. Planned progress during succeeding work period.
 9. Maintenance of quality and work standards.
 10. Effect of proposed changes on progress schedule and coordination.
 11. Other business relating to work.
- D. Record minutes and distribute copies within 2 days after meeting to participants, with copies to Architect/Engineer, Owner, participants, and those affected by decisions made.

3.03 CONSTRUCTION PROGRESS SCHEDULE

- A. If preliminary schedule requires revision after review, submit revised schedule within 7 days.
- B. Submit updated schedule with each Application for Payment.

3.04 ARCHITECT/ENGINEER-PROVIDED CAD FILES

- A. After the execution of the Contract, Architect/Engineer will provide, free of charge, upon receipt of a properly completed and signed request utilizing "Electronic Data Transfer Consent Form" at the end of this Specification Section, CAD files depicting graphic information for the project as follows:

1. Architectural Floor Plans: Column grid, walls, floors, stairs, doors, windows, room numbers, ceiling grid, mechanical diffusers, plumbing fixtures, sprinkler heads (if depicted in Bid Documents) and lights.
- B. Contractor acknowledges and accepts that the Architectural Floor Plans do not contain structural, mechanical, electrical, plumbing, fire protection and other building systems information depicted in the Bidding Documents. Examples of information not contained in these files include, but are not limited to, title blocks, keynotes, schedules, mechanical ductwork and equipment, electrical device symbols, circuit numbers and home runs, plumbing equipment, piping runs and riser diagrams, and architectural/engineering text or details. No other CAD files, data or information will be provided.
- C. Only requests from Prime Contractors will be honored. Subcontractors must obtain the files from their respective Prime Contractors.
- D. In submitting a request, Contractor acknowledges that:
 1. Architect/Engineer bears no responsibility for the data or its transmission,
 2. Use of the data by the Contractor or his Subcontractors in no way relieves the Contractor of his obligations under the Contract,
 3. Contractor is solely liable for any and all claims arising from any and all products generated by the Contractor or its Subcontractors employing the data,
 4. Contractor and its Subcontractors have a limited, non-exclusive license to use the data solely in connection with the Work of the Project, and that
 5. Architect/Engineer retains all rights, including copyright, to the data.

3.05 REQUESTS FOR INFORMATION (RFI)

- A. Definition: A request seeking one of the following:
 1. An interpretation, amplification, or clarification of some requirement of Contract Documents arising from inability to determine from them the exact material, process, or system to be installed; or when the elements of construction are required to occupy the same space (interference); or when an item of work is described differently at more than one place in Contract Documents.
 2. A resolution to an issue which has arisen due to field conditions and affects design intent.
- B. Whenever possible, request clarifications at the next appropriate project progress meeting, with response entered into meeting minutes, rendering unnecessary the issuance of a formal RFI.
- C. Preparation: Prepare an RFI immediately upon discovery of a need for interpretation of Contract Documents. Failure to submit a RFI in a timely manner is not a legitimate cause for claiming additional costs or delays in execution of the work.
 1. Prepare a separate RFI for each specific item.
 - a. Review, coordinate, and comment on requests originating with subcontractors and/or materials suppliers.
 - b. Do not forward requests which solely require internal coordination between subcontractors.
 2. Prepare in a format and with content acceptable to Owner.
 - a. Use AIA G716 - Request for Information .
 3. Combine RFI and its attachments into a single electronic file. PDF format is preferred.
- D. Reason for the RFI: Prior to initiation of an RFI, carefully study all Contract Documents to confirm that information sufficient for their interpretation is definitely not included.

1. Include in each request Contractor's signature attesting to good faith effort to determine from Contract Documents information requiring interpretation.
 2. Unacceptable Uses for RFIs: Do not use RFIs to request the following::
 - a. Approval of submittals (use procedures specified elsewhere in this section).
 - b. Approval of substitutions (see Section - 01 60 00 - Product Requirements)
 - c. Changes that entail change in Contract Time and Contract Sum (comply with provisions of the Conditions of the Contract).
 - d. Different methods of performing work than those indicated in the Contract Drawings and Specifications (comply with provisions of the Conditions of the Contract).
 3. Improper RFIs: Requests not prepared in compliance with requirements of this section, and/or missing key information required to render an actionable response. They will be returned without a response, with an explanatory notation.
 4. Frivolous RFIs: Requests regarding information that is clearly indicated on, or reasonably inferable from, Contract Documents, with no additional input required to clarify the question. They will be returned without a response, with an explanatory notation.
 - a. The Owner reserves the right to assess the Contractor for the costs (on time-and-materials basis) incurred by the Architect/Engineer, and any of its consultants, due to processing of such RFIs.
- E. Content: Include identifiers necessary for tracking the status of each RFI, and information necessary to provide an actionable response.
1. Official Project name and number, and any additional required identifiers established in Contract Documents.
 2. Owner's, Architect/Engineer's, and Contractor's names.
 3. Discrete and consecutive RFI number, and descriptive subject/title.
 4. Issue date, and requested reply date.
 5. Reference to particular Contract Document(s) requiring additional information/interpretation. Identify pertinent drawing and detail number and/or specification section number, title, and paragraph(s).
 6. Annotations: Field dimensions and/or description of conditions which have engendered the request.
 7. Contractor's suggested resolution: A written and/or a graphic solution, to scale, is required in cases where clarification of coordination issues is involved, for example; routing, clearances, and/or specific locations of work shown diagrammatically in Contract Documents. If applicable, state the likely impact of the suggested resolution on Contract Time or the Contract Sum.
- F. Attachments: Include sketches, coordination drawings, descriptions, photos, submittals, and other information necessary to substantiate the reason for the request.
- G. RFI Log: Prepare and maintain a tabular log of RFIs for the duration of the project.
1. Indicate current status of every RFI. Update log promptly and on a regular basis.
 2. Note dates of when each request is made, and when a response is received.
 3. Highlight items requiring priority or expedited response.
 4. Highlight items for which a timely response has not been received to date.
 5. Identify and include improper or frivolous RFIs.
- H. Review Time: Architect/Engineer will respond and return RFIs to Contractor within seven calendar days of receipt. For the purpose of establishing the start of the mandated response period, RFIs received after 3:00 PM will be considered as having been received on the following regular working

day.

1. Response period may be shortened or lengthened for specific items, subject to mutual agreement, and recorded in a timely manner in progress meeting minutes.
- I. Responses: Content of answered RFIs will not constitute in any manner a directive or authorization to perform extra work or delay the project. If in Contractor's belief it is likely to lead to a change to Contract Sum or Contract Time, promptly issue a notice to this effect, and follow up with an appropriate Change Order request to Owner.
 1. Response may include a request for additional information, in which case the original RFI will be deemed as having been answered, and an amended one is to be issued forthwith. Identify the amended RFI with an R suffix to the original number.
 2. Do not extend applicability of a response to specific item to encompass other similar conditions, unless specifically so noted in the response.
 3. Upon receipt of a response, promptly review and distribute it to all affected parties, and update the RFI Log.
 4. Notify Architect/Engineer within seven calendar days if an additional or corrected response is required by submitting an amended version of the original RFI, identified as specified above.

3.06 SUBMITTALS FOR REVIEW

- A. When the following are specified in individual sections, submit them for review:
 1. Product data.
 2. Shop drawings.
 3. Samples for selection.
 4. Samples for verification.
- B. Submit to Architect/Engineer for review for the limited purpose of checking for compliance with information given and the design concept expressed in Contract Documents.
- C. Samples will be reviewed for aesthetic, color, or finish selection.
- D. After review, provide copies and distribute in accordance with Submittal PROCEDURES article below and for record documents purposes described in Section 01 78 00 - Closeout Submittals.

3.07 SUBMITTALS FOR INFORMATION

- A. When the following are specified in individual sections, submit them for information:
 1. Design data.
 2. Certificates.
 3. Manufacturer's instructions.
 4. Manufacturer's field reports.
 5. Other types indicated.
- B. Submit for Architect/Engineer's knowledge as contract administrator or for Owner.

3.08 SUBMITTALS FOR PROJECT CLOSEOUT

- A. Submit Correction Punch List for Substantial Completion.
- B. Submit Final Correction Punch List for Substantial Completion.
- C. When the following are specified in individual sections, submit them at project closeout in compliance with requirements of Section 01 78 00 - Closeout Submittals:

1. Project record documents.
2. Operation and maintenance data.
3. Warranties.
4. Bonds.
5. Other types as indicated.

D. Submit for Owner's benefit during and after Project completion.

3.09 NUMBER OF COPIES OF SUBMITTALS

A. Documents for Review:

1. Submit via email in Adobe PDF electronic file format at native sheet size and right-side up. Architect/Engineer will return via email a reviewed copy in Adobe PDF electronic file format. Files not properly sized and rotated will be rejected. Illegible files will be rejected.

B. Documents for Information: Submit via email in Adobe PDF electronic file format. Submitted documents are for Architect/Engineer's information and reference only, and will not be reviewed or returned.

C. Samples: Submit the number specified in individual specification sections; one of which will be retained by Architect/Engineer.

1. Submit original, physical samples. With each physical sample, submit Adobe PDF electronic copies of scanned physical original samples. Architect/Engineer will return via email a reviewed scanned copy in Adobe PDF electronic file format.
2. Retained samples will not be returned to Contractor unless specifically so stated.

3.10 SUBMITTAL PROCEDURES

A. General Requirements:

1. Use a single transmittal for related items.
2. Submit separate packages of submittals for review and submittals for information, when included in the same specification section.
3. Transmit using approved form.
4. Number each submittal. Prefix the submittal number with the Specification Section number to which the submittal pertains. For revised submittals use original number and a sequential alphanumeric suffix. **Items submitted without a Specification Section number, or with an incorrect Specification Section number will delay the review process.**
5. Identify: Project; Contractor; subcontractor or supplier; pertinent drawing and detail number; and specification section number, article and paragraph, as appropriate on each copy.
6. Correlate submitted items with specified products; clearly indicate the specified product that corresponds to each submitted item. **Submitted items not clearly correlated with specified items will delay the review process.**
7. When options or optional features available for a Product are indicated in a Submittal, and selections for those options/features are indicated in the Contract Documents, identify on the Submittal the selection indicated in the Contract Documents. **Submittals that fail to identify specified options or optional features may be returned marked "Rejected" or "Revise and Resubmit".**
8. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of products required, field dimensions, adjacent construction work, and coordination of information is in accordance with the requirements of the work and Contract Documents.

- a. Submittals from sources other than the Contractor, or without Contractor's transmittal will not be acknowledged, reviewed, or returned.
 - 9. Deliver each submittal on date noted in submittal schedule, unless an earlier date has been agreed to by all affected parties, and is of the benefit to the project.
 - a. Deliver submittals to Architect/Engineer at business address.
 - 10. Schedule submittals to expedite the Project, and coordinate submission of related items.
 - a. For each submittal for review, allow 15 days excluding delivery time to and from the Contractor.
 - b. For sequential reviews involving Architect/Engineer's consultants, Owner, or another affected party, allow an additional 7 days.
 - 11. Clearly identify variations from the Contract Documents. Regardless of the type of variation, Contractor is solely responsible for errors in the field or performance issues that arise from Submittal variations from the requirements of the Contract Documents if those variations were not expressly noted to specifically identify for and describe to the reviewer the nature of the variation from the Contract Documents.
 - 12. Provide space for Contractor's review stamp and a 4 inch x 3 inch clear space for Architect/Engineer's review stamp.
 - 13. Promptly return submittals marked "Rejected" or "Revise and Resubmit" to originating subcontractor supplier, and faithfully ensure the prompt resubmittal of the correct or revised information.
 - 14. When revised for resubmission, identify all changes made since previous submission. Use clouds, highlights or other means acceptable to Architect/Engineer. **Resubmittals that do not clearly identify all changes may be delayed and/or returned to the Contractor unreviewed.**
 - 15. Contractor is entitled to one (1) resubmittal of each Submittal For Review or Submittal For Project Closeout rejected by Architect/Engineer or returned by Architect/Engineer for further action. Thereafter, Contractor shall pay the cost of all further Architect/Engineer reviews of any Submittal For Review or Submittal for Project Closeout, at a rate of \$200.00/hour. Cost of such further reviews will be deducted from the Contract Sum by Change Order.
 - 16. Promptly distribute and coordinate the requirements of reviewed submittals with affected parties. Instruct parties to promptly report inability to comply with requirements.
 - 17. Where indicated on the Drawings or in respective product specification Sections, submit reviewed submittals to Authority Having Jurisdiction (AHJ).
 - 18. Incomplete submittals will not be reviewed, unless they are partial submittals for distinct portion(s) of the work, and have received prior approval for their use.
 - 19. Submittals not requested will be returned "Not Reviewed".
- B. Product Data Procedures:
- 1. Submit only information required by individual specification sections.
 - 2. Collect required information into a single submittal.
 - 3. Submit concurrently with related shop drawing submittal.
 - 4. Do not submit (Material) Safety Data Sheets for materials or products.
- C. Shop Drawing Procedures:
- 1. Prepare accurate, drawn-to-scale, original shop drawing documentation by interpreting Contract Documents and coordinating related work.
 - 2. Generic, non-project-specific information submitted as shop drawings do not meet the requirements for shop drawings.

- D. Samples Procedures:
 1. Transmit related items together as single package.
 2. When relevant, identify each item to allow review for applicability in relation to shop drawings showing installation locations.
- E. Submittal reviews may be delayed and/or Submittals may be returned marked "Rejected" or "Revise and Resubmit" for any of the following reasons:
 1. Submittals submitted outside the scheduled dates of the Submittal Schedule.
 2. Submittals are incomplete or are missing information.
 3. Submittals are not submitted in accordance with procedures outlined in this Section, including, but not limited to:
 - a. Specification Section number not indicated on submittal or transmittal.
 - b. Contractor's review stamp missing.
 - c. Submitted items not correlated with specified products.
 - d. Re-submitted items not clearly identifying changes.

3.11 SUBMITTAL REVIEW

- A. Submittals for Review: Architect/Engineer will review each submittal, and approve, or take other appropriate action.
- B. Submittals for Information: Architect/Engineer will not acknowledge receipt, and take no other action.
- C. Architect/Engineer's actions will be reflected by marking each returned submittal using virtual stamp on electronic submittals.
 1. Notations may be made directly on submitted items and/or listed on appended Submittal Review cover sheet.
- D. Architect/Engineer's and consultants' actions on items submitted for review:
 1. Authorizing purchasing, fabrication, delivery, and installation:
 - a. "No Exception Taken", or language with same legal meaning.
 - 1) Resubmission is not required or requested.
 - 2) Resubmitted items will not be acknowledged.
 - b. "Make Corrections Noted", or language with same legal meaning.
 - 1) Resubmission is not required or requested.
 - 2) Resubmitted items may be returned marked "Not Requested, Not Reviewed".
 2. Not Authorizing fabrication, delivery, and installation:
 - a. "Revise and Resubmit".
 - 1) Resubmit revised item, with review notations acknowledged and incorporated.
 - 2) Clearly identify all revisions.
 - 3) Non-responsive resubmittals may be rejected.
 - b. "Rejected".
 - 1) Submit item complying with requirements of Contract Documents.
 - c. "Submit Specified Item".
 - 1) Submit item complying with requirements of Contract Documents.

END OF SECTION

ELECTRONIC DATA TRANSFER CONSENT FORM

Project Name: NEW ADMINISTRATION WING
37W755 IL-38
St. CHARLES, ILLINOIS 60175

Project No.: 23-471-1466

Owner: KANE COUNTY SHERIFF

Your Work: _____

KLUBER, INC. (hereinafter referred to as "Kluber") an Illinois corporation, is providing electronic data to you solely at your request and for your convenience. By accepting and opening any of the electronic data files, you agree that Kluber bears no liability for the data or its transmission to you and that you are solely liable for any and all claims referring or relating to any and all products you, or your Subcontractors, may generate with the data.

You acknowledge that you have a limited non-exclusive license to use the information solely in connection with your work on the project captioned above, and that Kluber retains all rights, including copyright, to the data.

Acknowledged by: _____
(Printed Name) (Signature)

Company: _____

Date: _____ Email: _____

Architectural Floor Plans are transmitted for the contractors' use as backgrounds for shop drawings and as-built drawings, and, as such, contain graphic information for column grid, walls, floors, stairs, doors, windows, room numbers, ceiling grid, lights, diffusers and sprinkler heads where indicated on Bid Documents. Plans do not contain title blocks, keynotes, schedules, mechanical ductwork and equipment, electrical device symbols, circuit numbers and home runs, plumbing equipment, piping runs and riser diagrams, and architectural/engineering text and details. Plans depict entire floors and are not formatted, partial plans as depicted in the Bidding Documents. Files are provided in R2013 .DWG format.)

**SECTION 01 40 00
QUALITY REQUIREMENTS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Submittals.
- B. Quality assurance.
- C. Control of installation.
- D. Defect Assessment.

1.02 RELATED REQUIREMENTS

- A. Section 01 41 00 - Regulatory Requirements.
- B. Section 01 42 00 - References.
- C. Section 01 60 00 - Product Requirements: Requirements for material and product quality.

1.03 REFERENCE STANDARDS

- A. ASTM E1155 - Standard Test Method for Determining F(F) Floor Flatness and F(L) Floor Levelness Numbers; 1996 (Reapproved 2008).
- B. ASTM C140 - Standard Test Methods of Sampling and Testing Concrete Masonry Units and Related Units; 2011.
- C. ASTM C780 - Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry; 2010.
- D. ASTM C1314 - Standard Test Method for Compressive Strength of Masonry Prisms; 2010.
- E. ASTM C1357 - Standard Test Methods for Evaluating Masonry Bond Strength; 2009.

1.04 SUBMITTALS

- A. Certificates: When specified in individual specification sections, submit certification by the manufacturer and Contractor or installation/application subcontractor to Architect/Engineer, in quantities specified for Product Data.
 - 1. Indicate material or product complies with or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
 - 2. Certificates may be recent or previous test results on material or product, but must be acceptable to Architect/Engineer.
- B. Manufacturer's Instructions: When specified in individual specification sections, submit printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, for the Owner's information. Indicate special procedures, perimeter conditions requiring special attention, and special environmental criteria required for application or installation.

1.05 REGULATORY REQUIREMENTS - SEE SECTION 01 41 00

1.06 REFERENCES AND STANDARDS - SEE SECTION 01 42 00

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, products, services, site conditions, and workmanship, to produce work of specified quality.
- B. Comply with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- D. Comply with specified standards as minimum quality for the work except where more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Have work performed by persons qualified to produce required and specified quality.
- F. Verify that field measurements are as indicated on shop drawings or as instructed by the manufacturer.

3.02 DEFECT ASSESSMENT

- A. Replace Work or portions of the Work not complying with specified requirements.
- B. If, in the opinion of Owner, it is not practical to remove and replace the work, Owner will direct an appropriate remedy or adjust payment.

END OF SECTION

**SECTION 01 41 00
REGULATORY REQUIREMENTS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. General.
- B. Definitions.
- C. Quality Assurance.
- D. Regulatory Requirements.

1.02 RELATED SECTIONS

- A. Section 01 10 00 - Summary.
- B. Section 01 42 00 - References.

1.03 GENERAL

- A. Comply with all applicable laws, rules, regulations, codes and ordinances.
- B. If the Contractor observes that the Contract Documents may be at variance with specified codes, notify the Architect/Engineer immediately. Architect/Engineer shall issue all changes in accordance with the General Conditions.
- C. It shall not be the Contractor's primary responsibility to make certain that the Contract Documents are in accordance with all applicable laws, rules and regulations, however, when the Contractor performs work knowing or having reason to know that the work in question is contrary to applicable laws, rules, and regulations, and fails to notify the Architect/Engineer, the Contractor shall pay all costs arising therefrom.

1.04 DEFINITIONS

- A. Definitions:
 - 1. Codes: Codes are statutory requirements, rules or regulations of governmental entities.
 - 2. Standards: Standards are requirements that have been established as accepted criteria, set general consent.

1.05 QUALITY ASSURANCE

- A. The Architect/Engineer has designed the project to applicable code requirements and has copies of said codes available for the Contractor's inspection.
- B. The Contractor shall:
 - 1. Ensure that copies of codes and standards referenced herein or specified in individual specifications sections are available to Contractor's personnel, agents, and Sub-Contractors.
 - 2. Ensure that Contractor's personnel, agents, and Sub-Contractors are familiar with the workmanship and requirements of applicable codes and standards.

1.06 REGULATORY REQUIREMENTS

- A. Source and Requirements: Verify amendments with local code officials.
 - 1. Local code requirements:

- a. ICC International Building Code, 2021 Edition.
- b. ICC International Mechanical Code, 2021 Edition.
- c. National Electrical Code, 2020 Edition.
2. State code requirements:
 - a. Illinois Accessibility Code, 2018 Edition.
 - b. Illinois Energy Conservation Code (ICC International Energy Conservation Code, 2018 Edition, with State of Illinois modifications.
 - c. Illinois Plumbing Code 2014
3. Information and Requirements for Utility Services: Local utility companies.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 01 42 00 REFERENCES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Drawing symbols, abbreviations and acronyms.
- B. Definitions of terms used throughout the Contract Documents.
- C. Explanation of specification format and content.
- D. Requirements relating to referenced standards.
- E. Applicability of referenced standards.
- F. List of industry organizations and certain of their respective documents.

1.02 DRAWING SYMBOLS AND CONVENTIONS

- A. Abbreviations and graphic symbols are defined on the General Notes, Symbols & Abbreviations sheet of the drawings.
- B. Generally, symbols used on the mechanical and electrical drawings conform to those recommended by ASHRAE, though, where appropriate, these symbols are supplemented by more specific symbols as recommended by ASME, ASPE, or the IEEE.

1.03 DEFINITIONS

- A. Where the terms "indicated", "noted", "scheduled", "shown", or "specified" are used it is to help locate the reference; no limitation on location is intended except as specifically noted.
- B. Where the terms "directed", "requested", "authorized", "approved", are used as in "directed by the Architect/Engineer", no implied meaning shall be construed to extend the Architect/Engineer's responsibilities into the Contractor's purview of construction supervision.
- C. Where the term "approved" is used in conjunction with the Architect/Engineer's action on submittals, requests or applications it is limited to the duties of the Architect/Engineer as described in the Agreement, and the General and Supplemental Conditions of the Contract. Such use of the term "approval" shall not limit or release the Contractor from his responsibility to fulfill Contract requirements.
- D. Where the term "regulations" is used it means all applicable statutes, laws, ordinances, and orders issued by authorities having jurisdiction, as well as construction industry standards, rules, or conventions that address performance of the Work.
- E. The "Project Site" is the space available to the Contractor for performance of construction activities. The Project Site may be for the exclusive use of the Contractor and his activities or may be used in conjunction with others performing other construction or related activities on the Project. Unless the extent of the Project Site is indicated on the Drawings, means the limits of the area within the property line of the parcel on which the Project is located, subject to the limitations and restrictions of local ordinance and the discretion of the Owner.
- F. Where the term "furnish" is used it means supply, deliver to, and unload and store at the Project Site until the Work is ready for the item to be assembled and incorporated into the Work.

- G. Where the term "install" is used it is meant to describe operations at the Project Site to include uncrating, assembling, placing, anchoring, connecting to utilities, finishing, protecting, cleaning and all other similar operations required to fully incorporate an item into the Work.
- H. Where the term "provide" is used it means "furnish and install" as defined above.
- I. Where the term "refurbish" is used it means refinish, repair and otherwise restore to like-new condition.
- J. Where the terms "remove" or "demolish" are used they mean safely disconnect from existing utilities, permanently extract from the Work and the Project Site, and legally dispose of off-site.
- K. Where the terms "temporarily remove" or "salvage" are used they mean safely disconnect from existing utilities and carefully extract from the Work so as to prevent damage to the item and the Work.
 - 1. If the item is to be reinstalled or relocated as part of the Work, these terms also mean clean, adjust, lubricate and otherwise restore to best possible condition without repair or refinishing.
 - 2. Otherwise, these terms also mean clean item surfaces and turn over to the Owner for storage and possible future use.
- L. Where the term "reinstall" is used it means the same as "install", with respect to a temporarily removed, salvaged or relocated item.
- M. Where the term "relocate" is used it means temporarily remove and reinstall in a new location.
- N. Where the phrase "salvage in place" is used it means protect in place so as to prevent damage while adjacent elements are demolished, restore to best possible condition without repair or refinishing, and modify as necessary to properly incorporate and integrate with the Work.

1.04 SPECIFICATION FORMAT AND CONTENT

- A. These Specifications are based on the Construction Specification Institute's 49 Division format and numbering system.
- B. Language used in the Specifications and other Contract Documents is an abbreviated type. Implied words and meanings will appropriately interpreted.
- C. Requirements expressed in imperative and streamlined language are to be performed by the Contractor. At certain locations in the text, subjective language may be used to describe responsibilities that must be fulfilled indirectly by the Contractor or others.
 - 1. Whenever a colon (:) is used within a sentence or phrase, it shall be construed to mean the words "shall be".
- D. Use of certain terms such as "carpentry" is not intended to imply that certain activities must be performed by accredited or unionized individuals of a corresponding generic name. The Specifications do, however, require that certain construction activities shall be performed by specialists who are recognized experts in the operations to be performed. Specialists shall be used for said activities, however the final responsibility for fulfilling the requirements of the Contract remains the Contractor's.

1.05 QUALITY ASSURANCE

- A. For products or workmanship specified by reference to a document or documents not included in the Project Manual, also referred to as reference standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard of date of issue specified in this section, except where a specific date is established by applicable code.
- C. Obtain copies of standards when required by the Contract Documents.
- D. Maintain copy at project site during submittals, planning, and progress of the specific work, until Substantial Completion.
- E. Should specified reference standards conflict with Contract Documents, request clarification from the Architect/Engineer before proceeding.
- F. Neither the contractual relationships, duties, or responsibilities of the parties in Contract nor those of the Architect/Engineer shall be altered by the Contract Documents by mention or inference otherwise in any reference document.

1.06 APPLICABILITY OF INDUSTRY STANDARDS

- A. Construction industry standards shall have the same force and effect as if bound or copied directly in the Contract Documents, except where more stringent requirements are specified. All such applicable standards are made a part of the Contract Documents by reference.
 - 1. Where compliance with two or more standards are referenced and conflicting requirements for quality or quantities occur, comply with the more stringent requirements. Refer questions regarding apparently conflicting standards to the Architect/Engineer for a decision before proceeding.
 - 2. The standard of quality or quantity levels specified, shown, or referenced shall be the minimum to be provided or performed. Refer questions regarding standards of minimum quality or quantity to the Architect/Engineer before proceeding.

1.07 CONSTRUCTION INDUSTRY ORGANIZATIONS AND DOCUMENTS

AABC -- ASSOCIATED AIR BALANCE COUNCIL

AAMA -- AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION

AISC -- AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.

ANSI -- AMERICAN NATIONAL STANDARDS INSTITUTE

ASHRAE -- AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.

ASME -- THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS

ASTM -- AMERICAN SOCIETY FOR TESTING AND MATERIALS

AWI -- ARCHITECTURAL WOODWORK INSTITUTE

BHMA -- BUILDERS HARDWARE MANUFACTURERS ASSOCIATION

BIA -- BRICK INDUSTRY ASSOCIATION

CPSC -- CONSUMER PRODUCTS SAFETY COMMISSION
DHI -- DOOR AND HARDWARE INSTITUTE
ICC -- INTERNATIONAL CODE COUNCIL, INC.
IEEE -- INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
ISO -- INTERNATIONAL STANDARDS ORGANIZATION
NCMA -- NATIONAL CONCRETE MASONRY ASSOCIATION
NEMA -- NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFPA -- NATIONAL FIRE PROTECTION ASSOCIATION
NRCA -- NATIONAL ROOFING CONTRACTORS ASSOCIATION
SGCC -- SAFETY GLAZING CERTIFICATION COUNCIL
SMACNA -- SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION, INC.
SSPC -- THE SOCIETY FOR PROTECTIVE COATINGS
UL -- UNDERWRITERS LABORATORIES INC.

1.08 UNITED STATES GOVERNMENT AND RELATED AGENCIES/DOCUMENTS

CFR -- CODE OF FEDERAL REGULATIONS
CPSC -- CONSUMER PRODUCTS SAFETY COMMISSION
EPA -- ENVIRONMENTAL PROTECTION AGENCY
FS -- FEDERAL SPECIFICATIONS AND STANDARDS (General Services Administration)
GSA -- U.S. GENERAL SERVICES ADMINISTRATION
USGS -- UNITED STATES GEOLOGICAL SURVEY

1.09 STATE GOVERNMENT AND RELATED AGENCIES/DOCUMENTS

CDB -- ILLINOIS CAPITAL DEVELOPMENT BOARD
IDOL -- ILLINOIS DEPARTMENT OF LABOR
IDPH -- ILLINOIS DEPARTMENT OF PUBLIC HEALTH
IEPA -- ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
OSFM -- OFFICE OF THE ILLINOIS STATE FIRE MARSHAL

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

**SECTION 01 50 00
TEMPORARY FACILITIES AND CONTROLS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Temporary telecommunications services.
- B. Temporary controls: Barriers and enclosures.
- C. Security requirements.
- D. Vehicular access and parking.
- E. Waste removal facilities and services.

1.02 TELECOMMUNICATIONS SERVICES

- A. Provide, maintain, and pay for telecommunications services to field office at time of project mobilization.
- B. Telecommunications services shall include:
 - 1. One (1) mobile cellular telephone for each of Contractor's and any Subcontractor's field personnel.

1.03 BARRIERS

- A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public, to allow for owner's use of site and to protect existing facilities and adjacent properties from damage from construction operations and demolition.
- B. Protect non-owned vehicular traffic, stored materials, site, and structures from damage.

1.04 INTERIOR ENCLOSURES

- A. Provide temporary partitions and ceilings as indicated to separate work areas from Owner-occupied areas, to prevent penetration of dust and moisture into Owner-occupied areas, and to prevent damage to existing materials and equipment.
- B. Construction: Framing and plywood sheet materials with closed joints and sealed edges at intersections with existing surfaces:

1.05 SECURITY

- A. Provide security and facilities to protect Work, existing facilities, and Owner's operations from unauthorized entry, vandalism, or theft.
- B. All on-site personnel of Contractor, Subcontractors and Suppliers must pass a background check, performed by the Owner or by an outside agency of the Owner's choosing.
 - 1. At least 7 days prior to a Contractor, Subcontractor or Supplier employee being present on the jobsite, provide Owner with employee's full name and date of birth, to allow the Owner to conduct a background check on the individual.

1.06 VEHICULAR ACCESS AND PARKING

- A. Comply with regulations relating to use of streets and sidewalks, access to emergency facilities, and access for emergency vehicles.
- B. Coordinate access and haul routes with governing authorities and Owner.
- C. Provide and maintain access to fire hydrants, free of obstructions.
- D. Provide means of removing mud from vehicle wheels before entering streets.
- E. Provide temporary parking areas to accommodate construction personnel. When site space is not adequate, provide additional off-site parking.

1.07 WASTE REMOVAL

- A. Provide waste removal facilities and services as required to maintain the site in clean and orderly condition.
- B. Provide containers with lids. Remove trash from site periodically.
- C. If materials to be recycled or re-used on the project must be stored on-site, provide suitable non-combustible containers; locate containers holding flammable material outside the structure unless otherwise approved by the authorities having jurisdiction.
- D. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

**SECTION 01 60 00
PRODUCT REQUIREMENTS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. General product requirements.
- B. Transportation, handling, storage and protection.
- C. Product option requirements.
- D. Substitution limitations.
- E. Procedures for Owner-supplied products.
- F. Maintenance materials, including extra materials, spare parts, tools, and software.

1.02 RELATED REQUIREMENTS

- A. Section 01 10 00 - Summary: Identification of Owner-supplied products.
- B. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions: Requirements for VOC-restricted product categories.

1.03 SUBMITTALS

- A. Product Data Submittals: Submit manufacturer's standard published data. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information specific to this Project.
- B. Shop Drawing Submittals: Prepared specifically for this Project; indicate utility and electrical characteristics, utility connection requirements, and location of utility outlets for service for functional equipment and appliances.
- C. Sample Submittals: Illustrate functional and aesthetic characteristics of the product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
 - 1. For selection from standard finishes, submit samples of the full range of the manufacturer's standard colors, textures, and patterns.

1.04 QUALITY ASSURANCE

- A. Environmental Product Declaration (EPD): Publicly available, critically reviewed life cycle analysis having at least a cradle-to-gate scope.
 - 1. Good: Product-specific; compliant with ISO 14044.
 - 2. Better: Industry-wide, generic; compliant with ISO 21930, or with ISO 14044, ISO 14040, ISO 14025, and EN 15804; Type III third-party certification with external verification, in which the manufacturer is recognized as the program operator.
 - 3. Best: Commercial-product-specific; compliant with ISO 21930, or with ISO 14044, ISO 14040, ISO 14025, and EN 15804; Type III third-party certification with external verification, in which the manufacturer is recognized as the program operator.
 - 4. Where demonstration of impact reduction below industry average is required, submit both industry-wide and commercial-product-specific declarations; or submit at least 5 declarations for products of the same type by other manufacturers in the same industry.

PART 2 PRODUCTS

2.01 NEW PRODUCTS

- A. Provide new products unless specifically required or permitted by Contract Documents.
- B. Designed, manufactured, and tested in accordance with industry standards.
- C. Where other criteria are met, Contractor shall give preference to products that:
 - 1. If used on interior, have lower emissions, as defined in Section 01 61 16.
 - 2. If wet-applied, have lower VOC content, as defined in Section 01 61 16.
 - 3. Are extracted, harvested, and/or manufactured closer to the location of the project.
 - 4. Have longer documented life span under normal use.
 - 5. Result in less construction waste.
 - 6. Are made of recycled materials.
 - 7. Have a published Environmental Product Declaration (EPD).
 - 8. Have a published Health Product Declaration (HPD).
 - 9. Have a published Manufacturer's Inventory of Chemical Content.

2.02 PRODUCT OPTIONS

- A. Products Specified by Reference Standards or by Description Only: Use any product meeting those standards or description.
- B. Products Specified by Naming One or More Manufacturers: Use a product of one of the manufacturers named and meeting specifications, no options or substitutions allowed.
- C. Products Specified by Naming One or More Manufacturers with a Provision for Substitutions: Submit a request for substitution for any manufacturer not named.

2.03 MAINTENANCE MATERIALS

- A. Furnish extra materials, spare parts, tools, and software of types and in quantities specified in individual specification sections.
- B. Deliver to Project site and place in location directed by Owner's representative; obtain Owner's signature on receipt for delivery prior to final payment. Submit signed receipts with Closeout Submittals.

PART 3 EXECUTION

3.01 SUBSTITUTION LIMITATIONS

- A. Substitutions Prior To Bid Opening: Architect/Engineer will consider a written request for substitution provided that such request is received at least seven (7) days prior to the Bid opening date. Requests received after that time will not be considered.
 - 1. Only Substitution Requests from Bidders will be considered.
 - 2. If a request is approved, the Architect/Engineer will issue an appropriate addendum not less than three (3) days prior to the Bid opening date.
- B. Document each request utilizing Substitution Request Form following this section with complete data substantiating compliance of proposed substitution with Contract Documents. Incomplete requests will not be considered. Submit a separate Substitution Request Form and accompanying documentation for each proposed substitution.

- C. Provide the following minimum documentation with each Substitution Request Form:
 1. Product identification, manufacturer, product data including dimensions and weight, performance and installation instructions.
 2. Side-by-side itemized comparison of proposed substitution with specified product.
 3. Coordination information including other modifications required as a result of proposed substitution.
 4. Cost information including the effect of the proposed substitution on the Contract Sum.
- D. Sign and date the Substitution Request Form.
- E. A request for substitution constitutes a representation that the submitter:
 1. Has investigated proposed product and determined that it meets or exceeds the quality level of the specified product.
 2. Agrees to provide the same warranty for the substitution as for the specified product.
 3. Agrees to coordinate installation and make changes to other Work that may be required for the Work to be complete with no additional cost to Owner.
 4. Waives claims for additional costs or time extension that may subsequently become apparent.
 5. Agrees to reimburse Owner and Architect/Engineer for review or redesign services associated with re-approval by authorities having jurisdiction over the Project.
- F. Architect/Engineer will notify submitter in writing of decision to accept or reject request.
- G. Substitutions of products or product characteristics/components/options/accessories will not be considered when they are indicated or implied on Contractor's submittals, without separate written request, or when acceptance will require revision to the Contract Documents, whether rejection of said substitutions is expressly identified by Architect/Engineer on Contractor's submittals or not.

3.02 OWNER-SUPPLIED PRODUCTS

- A. See Section 01 10 00 - Summary for identification of Owner-supplied products.
- B. Owner's Responsibilities:
 1. Arrange for and deliver Owner reviewed shop drawings, product data, and samples, to Contractor.
 2. Arrange and pay for product delivery to site.
 3. On delivery, inspect products jointly with Contractor.
 4. Submit claims for transportation damage and replace damaged, defective, or deficient items.
 5. Arrange for manufacturers' warranties, inspections, and service.
- C. Contractor's Responsibilities:
 1. Review Owner reviewed shop drawings, product data, and samples.
 2. Receive and unload products at site; inspect for completeness or damage jointly with Owner.
 3. Handle, store, install and finish products.
 4. Repair or replace items damaged after receipt.
 5. Make final connections to Owner-provided equipment, and test equipment.

3.03 TRANSPORTATION AND HANDLING

- A. Package products for shipment in manner to prevent damage; for equipment, package to avoid loss of factory calibration.

- B. If special precautions are required, attach instructions prominently and legibly on outside of packaging.
- C. Coordinate schedule of product delivery to designated prepared areas in order to minimize site storage time and potential damage to stored materials.
- D. Transport and handle products in accordance with manufacturer's instructions.
- E. Transport materials in covered trucks to prevent contamination of product and littering of surrounding areas.
- F. Promptly inspect shipments to ensure that products comply with requirements, quantities are correct, and products are undamaged.
- G. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement, or damage, and to minimize handling.
- H. Arrange for the return of packing materials, such as wood pallets, where economically feasible.

3.04 STORAGE AND PROTECTION

- A. Designate receiving/storage areas for incoming products so that they are delivered according to installation schedule and placed convenient to work area in order to minimize waste due to excessive materials handling and misapplication. See
- B. Store and protect products in accordance with manufacturers' instructions.
- C. Store with seals and labels intact and legible.
- D. Store sensitive products in weathertight, climate-controlled enclosures in an environment favorable to product.
- E. For exterior storage of fabricated products, place on sloped supports above ground.
- F. Protect products from damage or deterioration due to construction operations, weather, precipitation, humidity, temperature, sunlight and ultraviolet light, dirt, dust, and other contaminants.
- G. Comply with manufacturer's warranty conditions, if any.
- H. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to prevent condensation and degradation of products.
- I. Prevent contact with material that may cause corrosion, discoloration, or staining.
- J. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement, or damage.
- K. Arrange storage of products to permit access for inspection. Periodically inspect to verify products are undamaged and are maintained in acceptable condition.

END OF SECTION

SUBSTITUTION REQUEST FORM

PROJECT: KANE COUNTY SHERIFF – NEW ADMINISTRATION WING

SPECIFIED ITEM: _____

Specification Section	Page	Paragraph	Description
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The undersigned requests consideration of the following:

PROPOSED SUBSTITUTION: _____

Attached data includes project description, specifications, drawings, photographs, performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents which the proposed substitution will require for its proper installation.

The undersigned certifies that the following paragraphs, unless modified by attachments, are correct:

1. The proposed substitution does not affect dimensions shown on drawings.
2. The undersigned will pay for changes to the building design, including engineering design, detailing, and construction costs caused by the requested substitution.
3. The proposed substitution will have no adverse effect on other trades, the construction schedule, or specified warranty requirements.
4. Maintenance and service parts will be locally available for the proposed substitution.

The undersigned further states that the function, appearance, and quality of the proposed substitution are equivalent or superior to the specified item.

Printed Name

Signature

Date

Firm

Telephone

Email

Attachments (list): _____

For Use By The Architect/Engineer:

Accepted Accepted As Noted

Not Accepted Received Too Late

By: _____

Date: _____

Remarks: _____

SECTION 01 61 16
VOLATILE ORGANIC COMPOUND (VOC) CONTENT RESTRICTIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements for VOC-Content-Restricted products.
- B. Requirement for installer certification that they did not use any non-compliant products.

1.02 RELATED REQUIREMENTS

- A. Section 01 60 00 - Product Requirements: Fundamental product requirements, substitutions and product options, delivery, storage, and handling.

1.03 DEFINITIONS

- A. Indoor-Emissions-Restricted Products: All products in the following product categories, whether specified or not:
- B. VOC-Content-Restricted Products: All products in the following product categories, whether specified or not:
 - 1. Interior paints and coatings applied on site.
 - 2. Interior adhesives and sealants applied on site, including flooring adhesives.
 - 3. Other products when specifically stated in the specifications.
- C. Interior of Building: Anywhere inside the exterior weather barrier.
- D. Adhesives: All gunnable, trowelable, liquid-applied, and aerosol adhesives, whether specified or not; including flooring adhesives, resilient base adhesives, and pipe jointing adhesives.
- E. Sealants: All gunnable, trowelable, and liquid-applied joint sealants and sealant primers, whether specified or not; including firestopping sealants and duct joint sealers.

1.04 REFERENCE STANDARDS

- A. 40 CFR 59, Subpart D - National Volatile Organic Compound Emission Standards for Architectural Coatings; U.S. Environmental Protection Agency current edition.
- B. ASTM D3960 - Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings 2005 (Reapproved 2018).
- C. CARB (SCM) - Suggested Control Measure for Architectural Coatings; California Air Resources Board 2020.
- D. GreenSeal GS-36 - Standard for Adhesives for Commercial Use 2013.
- E. SCAQMD 1113 - Architectural Coatings 1977, with Amendment (2016).
- F. SCAQMD 1168 - Adhesive and Sealant Applications 1989, with Amendment (2022).

1.05 SUBMITTALS

- A. Product Data: For each VOC-restricted product used in the project, submit evidence of compliance.

- B. Sustainable Design Reporting: Submit evidence of compliance along with Accessory Material VOC Content Certification Form following this Section.
- C. Installer Certifications Regarding Prohibited Content: Require each installer of any type of product (not just the products for which VOC restrictions are specified) to certify that either 1) no adhesives, joint sealants, paints, coatings, or composite wood or agrifiber products have been used in the installation of installer's products, or 2) that such products used comply with these requirements.

1.06 QUALITY ASSURANCE

- A. VOC Content Test Method: 40 CFR 59, Subpart D (EPA Method 24), or ASTM D3960, unless otherwise indicated.
 - 1. Evidence of Compliance: Acceptable types of evidence are:
 - a. Report of laboratory testing performed in accordance with requirements.
 - b. Published product data showing compliance with requirements.
 - c. Certification by manufacturer that product complies with requirements.

PART 2 PRODUCTS

2.01 MATERIALS

- A. All Products: Comply with the most stringent of federal, State, and local requirements, or these specifications.
- B. VOC-Content-Restricted Products: VOC content not greater than required by the following:
 - 1. Adhesives, Including Flooring Adhesives: SCAQMD 1168 Rule.
 - 2. Aerosol Adhesives: GreenSeal GS-36.
 - 3. Joint Sealants: SCAQMD 1168 Rule.
 - 4. Paints and Coatings: Each color; most stringent of the following:
 - a. 40 CFR 59, Subpart D.
 - b. SCAQMD 1113 Rule.
 - c. CARB (SCM).

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL

- A. Owner reserves the right to reject non-compliant products, whether installed or not, and require their removal and replacement with compliant products at no extra cost to Owner.
- B. Additional costs to restore indoor air quality due to installation of non-compliant products will be borne by Contractor.

END OF SECTION

**SECTION 01 61 16.01
ACCESSORY MATERIAL VOC CONTENT CERTIFICATION FORM**

1.01 PRODUCT CERTIFICATION

- A. I certify that the installation work of my firm on this project:
1. [HAS] [HAS NOT] required the use of any ADHESIVES.
 2. [HAS] [HAS NOT] required the use of any JOINT SEALANTS.
 3. [HAS] [HAS NOT] required the use of any PAINTS OR COATINGS.
 4. [HAS] [HAS NOT] required the use of any COMPOSITE WOOD or AGRIFIBER PRODUCTS.
- B. Product data and MSDS sheets are attached.

2.01 CERTIFIED BY: (INSTALLER/MANUFACTURER/SUPPLIER FIRM)

- A. Firm Name: _____
- B. Print Name: _____
- C. Signature: _____
- D. Title: _____ (officer of company)
- E. Date: _____

END OF SECTION

**SECTION 01 70 00
EXECUTION AND CLOSEOUT REQUIREMENTS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Examination, preparation, and general installation procedures.
- B. Cutting and patching.
- C. Cleaning and protection.
- D. Starting of systems and equipment.
- E. Demonstration and instruction of Owner personnel.
- F. Closeout procedures, including Contractor's Correction Punch List, except payment procedures.
- G. General requirements for maintenance service.

1.02 RELATED REQUIREMENTS

- A. Section 01 40 00 - Quality Requirements: Testing and inspection procedures.
- B. Section 01 50 00 - Temporary Facilities and Controls: Temporary exterior enclosures.
- C. Section 01 78 00 - Closeout Submittals: Project record documents, operation and maintenance data, warranties, and bonds.
- D. Section 01 79 00 - Demonstration and Training: Demonstration of products and systems to be commissioned and where indicated in specific specification sections

1.03 SUBMITTALS

- A. Cutting and Patching: Submit written request in advance of cutting or alteration that affects:
 - 1. Structural integrity of any element of Project.
 - 2. Efficiency, maintenance, or safety of any operational element.
 - 3. Visual qualities of sight exposed elements.
 - 4. Work of Owner or separate Contractor.

1.04 PROJECT CONDITIONS

- A. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.
- B. Dust Control: Execute work by methods to minimize raising dust from construction operations. Provide positive means to prevent air-borne dust from dispersing into atmosphere and over adjacent property.
 - 1. Provide dust-proof barriers between construction areas and areas continuing to be occupied by Owner.
- C. Noise Control: Provide methods, means, and facilities to minimize noise produced by construction operations.
- D. Pest and Rodent Control: Provide methods, means, and facilities to prevent pests and insects from damaging the work.

- E. Rodent Control: Provide methods, means, and facilities to prevent rodents from accessing or invading premises.
- F. Pollution Control: Provide methods, means, and facilities to prevent contamination of soil, water, and atmosphere from discharge of noxious, toxic substances, and pollutants produced by construction operations. Comply with federal, state, and local regulations.

1.05 COORDINATION

- A. Coordinate scheduling, submittals, and work of the various sections of the Project Manual to ensure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- B. Notify affected utility companies and comply with their requirements.
- C. Verify that utility requirements and characteristics of new operating equipment are compatible with building utilities. Coordinate work of various sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- D. Coordinate space requirements, supports, and installation of mechanical and electrical work that are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with lines of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- E. In finished areas except as otherwise indicated, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- F. Coordinate completion and clean-up of work of separate sections.
- G. After Owner occupancy of premises, coordinate access to site for correction of defective work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

PART 2 PRODUCTS

2.01 PATCHING MATERIALS

- A. New Materials: As specified in product sections; match existing products and work for patching and extending work.
- B. Type and Quality of Existing Products: Determine by inspecting and testing products where necessary, referring to existing work as a standard.
- C. Product Substitution: For any proposed change in materials, submit request for substitution described in Section 01 60 00 - Product Requirements.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that existing site conditions and substrate surfaces are acceptable for subsequent work. Start of work means acceptance of existing conditions.
- B. Verify that existing substrate is capable of structural support or attachment of new work being applied or attached.
- C. Examine and verify specific conditions described in individual specification sections.

- D. Take field measurements before confirming product orders or beginning fabrication, to minimize waste due to over-ordering or misfabrication.
- E. Verify that utility services are available, of the correct characteristics, and in the correct locations.
- F. Prior to Cutting: Examine existing conditions prior to commencing work, including elements subject to damage or movement during cutting and patching. After uncovering existing work, assess conditions affecting performance of work. Beginning of cutting or patching means acceptance of existing conditions.

3.02 PREPARATION

- A. Clean substrate surfaces prior to applying next material or substance.
- B. Seal cracks or openings of substrate prior to applying next material or substance.
- C. Apply manufacturer required or recommended substrate primer, sealer, or conditioner prior to applying any new material or substance in contact or bond.

3.03 GENERAL INSTALLATION REQUIREMENTS

- A. Install products as specified in individual sections, in accordance with manufacturer's instructions and recommendations, and so as to avoid waste due to necessity for replacement.
- B. Make vertical elements plumb and horizontal elements level, unless otherwise indicated.
- C. Install equipment and fittings plumb and level, neatly aligned with adjacent vertical and horizontal lines, unless otherwise indicated.
- D. Make consistent texture on surfaces, with seamless transitions, unless otherwise indicated.
- E. Make neat transitions between different surfaces, maintaining texture and appearance.

3.04 CUTTING AND PATCHING

- A. Whenever possible, execute the work by methods that avoid cutting or patching.
- B. Perform whatever cutting and patching is necessary to:
 - 1. Complete the work.
 - 2. Fit products together to integrate with other work.
 - 3. Provide openings for penetration of mechanical, electrical, and other services.
 - 4. Match work that has been cut to adjacent work.
 - 5. Repair areas adjacent to cuts to required condition.
 - 6. Repair new work damaged by subsequent work.
 - 7. Remove samples of installed work for testing when requested.
 - 8. Remove and replace defective and non-complying work.
- C. Execute work by methods that avoid damage to other work and that will provide appropriate surfaces to receive patching and finishing. In existing work, minimize damage and restore to original condition.
- D. Employ original installer to perform cutting for weather exposed and moisture resistant elements, and sight exposed surfaces.

- E. Cut rigid materials using masonry saw or core drill. Pneumatic tools not allowed without prior approval.
- F. Restore work with new products in accordance with requirements of Contract Documents.
- G. Fit work air tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- H. Patching:
 - 1. Finish patched surfaces to match finish that existed prior to patching. On continuous surfaces, refinish to nearest intersection or natural break. For an assembly, refinish entire unit.
 - 2. Match color, texture, and appearance.
 - 3. Repair patched surfaces that are damaged, lifted, discolored, or showing other imperfections due to patching work. If defects are due to condition of substrate, repair substrate prior to repairing finish.

3.05 PROGRESS CLEANING

- A. Maintain areas free of waste materials, debris, and rubbish. Maintain site in a clean and orderly condition.
- B. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.
- C. Broom and vacuum clean interior areas prior to start of surface finishing, and continue cleaning to eliminate dust.
- D. Collect and remove waste materials, debris, and trash/rubbish from site periodically and dispose off-site; do not burn or bury.

3.06 PROTECTION OF INSTALLED WORK

- A. Protect installed work from damage by construction operations.
- B. Provide special protection where specified in individual specification sections.
- C. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.
- D. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.
- E. Protect finished floors, stairs, and other surfaces from traffic, dirt, wear, damage, or movement of heavy objects, by protecting with durable sheet materials.
- F. Prohibit traffic or storage upon waterproofed or roofed surfaces. If traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.
- G. Remove protective coverings when no longer needed; reuse or recycle coverings if possible.

3.07 SYSTEM STARTUP

- A. Coordinate schedule for start-up of various equipment and systems.
- B. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, and for conditions that may cause damage.

- C. Verify tests, meter readings, and specified electrical characteristics agree with those required by the equipment or system manufacturer.
- D. Verify that wiring and support components for equipment are complete and tested.
- E. Execute start-up under supervision of applicable Contractor personnel and manufacturer's representative in accordance with manufacturers' instructions.
- F. Submit a written report that equipment or system has been properly installed and is functioning correctly.

3.08 DEMONSTRATION AND INSTRUCTION

- A. See Section 01 79 00 - Demonstration and Training.

3.09 ADJUSTING

- A. Adjust operating products and equipment to ensure smooth and unhindered operation.

3.10 FINAL CLEANING

- A. Execute final cleaning prior to final project assessment.
 - 1. Clean areas to be occupied by Owner prior to final completion before Owner occupancy.
- B. Use cleaning materials that are nonhazardous.
- C. Clean interior and exterior glass, surfaces exposed to view; remove temporary labels, stains and foreign substances, polish transparent and glossy surfaces, vacuum carpeted and soft surfaces.
- D. Remove all labels that are not permanent. Do not paint or otherwise cover fire test labels or nameplates on mechanical and electrical equipment.
- E. Clean equipment and fixtures to a sanitary condition with cleaning materials appropriate to the surface and material being cleaned.
- F. Clean filters of operating equipment.
- G. Remove waste, surplus materials, trash/rubbish, and construction facilities from the site; dispose of in legal manner; do not burn or bury.

3.11 CLOSEOUT PROCEDURES

- A. See Section 01 77 00 for additional requirements.
- B. Make submittals that are required by governing or other authorities.
- C. Accompany Project Coordinator on preliminary inspection to determine items to be listed for completion or correction in the Contractor's Correction Punch List for Contractor's Notice of Substantial Completion.
- D. Notify Architect/Engineer when work is considered ready for Architect/Engineer's Substantial Completion inspection.
- E. Submit written certification containing Contractor's Correction Punch List, that Contract Documents have been reviewed, work has been inspected, and that work is complete in accordance with Contract Documents and ready for Architect/Engineer's Substantial Completion inspection.

- F. Conduct Substantial Completion inspection and create Final Correction Punch List containing Architect/Engineer's and Contractor's comprehensive list of items identified to be completed or corrected and submit to Architect/Engineer.
- G. Correct items of work listed in Final Correction Punch List and comply with requirements for access to Owner-occupied areas.
- H. Notify Architect/Engineer when work is considered finally complete and ready for Architect/Engineer's Substantial Completion final inspection.
- I. Complete items of work determined by Architect/Engineer listed in executed Certificate of Substantial Completion.

3.12 MAINTENANCE

- A. Provide service and maintenance of components indicated in specification sections.
- B. Maintenance Period: As indicated in specification sections or, if not indicated, not less than one year from the Date of Substantial Completion or the length of the specified warranty, whichever is longer.
- C. Examine system components at a frequency consistent with reliable operation. Clean, adjust, and lubricate as required.
- D. Include systematic examination, adjustment, and lubrication of components. Repair or replace parts whenever required. Use parts produced by the manufacturer of the original component.
- E. Maintenance service shall not be assigned or transferred to any agent or subcontractor without prior written consent of the Owner.

END OF SECTION

**SECTION 01 77 00
CLOSEOUT PROCEDURES**

PART 1 GENERAL

1.01 SECTION INCLUDES:

- A. Substantial Completion Procedures.
- B. Final Completion Procedures.

1.02 RELATED REQUIREMENTS:

- A. Section 01 10 00 - Summary.
- B. Section 01 78 00 - Closeout Submittals.

1.03 SUBSTANTIAL COMPLETION PROCEDURES

- A. Substantial Completion Procedures will be in accordance with the General Conditions of the Contract for Construction, Article 9.8 and include the following:
 - 1. When the Work or a portion of the Work is considered to be substantially complete, the Contractor inspects the project and prepares a comprehensive list of outstanding items to be completed or corrected, Initial Punch List.
 - 2. Contractor submits notice of Substantial Completion.
 - 3. Contractor completes items on the Initial Punch List.
 - 4. Architect/Engineer inspects the project to verify substantial completion and prepares a Final Punch List.
 - 5. Architect/Engineer prepares Certificate of Substantial Completion, acceptance is required by Owner and Contractor.

1.04 FINAL COMPLETION PROCEDURES

- A. Final Completion Procedures will be in accordance with the General Conditions of the Contract for Construction, Article 9.10, and include the following:
 - 1. When items on Initial and Final Punch Lists are complete, submit notice of final completion and final application for payment.
 - 2. Submit Final Closeout Submittals as specified in Section 01 78 00.
 - 3. Architect will inspect project and verifies the Work is acceptable and conforms with the Contract Documents.
 - 4. Architect will process final application for payment and closeout submittals.

1.05 CORRECTION PERIOD

- A. Correction Period commences on the date of Substantial Completion and expires two years from that date.
- B. Owner: document non-conforming or defective work over course of Correction Period. Notify Contractor in writing of nonconforming or defective work. Copy Architect/Engineer.
 - 1. Life safety issues requiring immediate corrective work: Contact Contractor for action.

PART 2 PRODUCTS - NOT USED.

PART 3 EXECUTION - NOT USED.

END OF SECTION

**SECTION 01 78 00
CLOSEOUT SUBMITTALS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Warranties and bonds.
- B. Project record documents.
- C. Operation and maintenance data.
- D. Format, arrangement and organization of Operation and Maintenance Manual electronic file.

1.02 RELATED REQUIREMENTS

- A. Section 01 70 00 - Execution and Closeout Requirements: Contract closeout procedures.
- B. Individual Product Sections: Specific requirements for operation and maintenance data.

1.03 SUBMITTALS

- A. Submit preliminary draft of proposed formats and outlines of contents of electronic Operation and Maintenance Manual, including warranties and bonds, record document Bookmarked Adobe PDF form before start of Work. Architect/Engineer will review draft and return with comments.
- B. Warranties and Bonds:
 - 1. For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within 10 days after acceptance.
 - 2. Make other submittals within 10 days after Date of Substantial Completion, prior to final Application for Payment.
 - 3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within 10 days after acceptance, listing the date of acceptance as the beginning of the warranty period.
- C. Project Record Documents: Submit documents to Architect/Engineer with claim for final Application for Payment.
- D. Operation and Maintenance Data:
 - 1. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit completed documents within ten days after acceptance.
 - 2. Submit completed documents 15 days prior to final inspection. This copy will be reviewed and returned after final inspection, with Architect/Engineer comments. Revise content as required prior to final submission.
- E. Submit revised final Operation and Maintenance Manual, incorporating warranties and bonds, record documents and operation and maintenance data, in final form in Adobe PDF electronic file format on USB flash drive form within 10 days after final inspection.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 WARRANTIES AND BONDS

- A. Obtain warranties and bonds, executed in duplicate by responsible Subcontractors, suppliers, and manufacturers, within 10 days after completion of the applicable item of work. Except for items put into use with Owner's permission, leave date of beginning of time of warranty until Date of Substantial completion is determined.
- B. Verify that documents are in proper form, contain full information, and are notarized.
- C. Co-execute submittals when required.
- D. Retain warranties and bonds until time specified for submittal.
- E. Include originals of each in operation and maintenance manuals, indexed separately on Table of Contents.
- F. Include color, 300 dpi resolution scans of each in Operation and Maintenance Manual PDF file, Bookmarked and indexed separately in Table of Contents.

3.02 PROJECT RECORD DOCUMENTS

- A. Maintain on site one set of the following record documents; record actual revisions to the Work:
 - 1. Drawings.
 - 2. Specifications.
 - 3. Addenda.
 - 4. Change Orders and other modifications to the Contract.
- B. Ensure entries are complete and accurate, enabling future reference by Owner.
- C. Store record documents separate from documents used for construction.
- D. Record information concurrent with construction progress.
- E. Specifications: Legibly mark and record at each product section description of actual products installed, including the following:
 - 1. Manufacturer's name and product model and number.
 - 2. Product substitutions or alternates utilized.
 - 3. Changes made by Addenda and modifications.
- F. Record Drawings and Shop Drawings: Legibly mark each item to record actual construction including:
 - 1. Measured depths of foundations in relation to finish first floor datum.
 - 2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 - 3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of the Work.
 - 4. Field changes of dimension and detail.
 - 5. Details not on original Contract drawings.

3.03 OPERATION AND MAINTENANCE DATA

- A. Source Data: For each product or system, list names, addresses and telephone numbers of Subcontractors and suppliers, including local source of supplies and replacement parts.
- B. Product Data: Mark each sheet to clearly identify specific products and component parts, and data applicable to installation. Delete inapplicable information.
- C. Drawings: Supplement product data to illustrate relations of component parts of equipment and systems, to show control and flow diagrams. Do not use Project Record Documents as maintenance drawings.
- D. Typed Text: As required to supplement product data. Provide logical sequence of instructions for each procedure, incorporating manufacturer's instructions.

3.04 OPERATION AND MAINTENANCE DATA FOR MATERIALS AND FINISHES

- A. For Each Product, Applied Material, and Finish:
 - 1. Product data, with catalog number, size, composition, and color and texture designations.
 - 2. Information for re-ordering custom manufactured products.
- B. Instructions for Care and Maintenance: Manufacturer's recommendations for cleaning agents and methods, precautions against detrimental cleaning agents and methods, and recommended schedule for cleaning and maintenance.
- C. Moisture protection and weather-exposed products: Include product data listing applicable reference standards, chemical composition, and details of installation. Provide recommendations for inspections, maintenance, and repair.
- D. Additional information as specified in individual product specification sections.
- E. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.

3.05 OPERATION AND MAINTENANCE DATA FOR EQUIPMENT AND SYSTEMS

- A. For Each Item of Equipment and Each System:
 - 1. Description of unit or system, and component parts.
 - 2. Identify function, normal operating characteristics, and limiting conditions.
 - 3. Include performance curves, with engineering data and tests.
 - 4. Complete nomenclature and model number of replaceable parts.
- B. Where additional instructions are required, beyond the manufacturer's standard printed instructions, have instructions prepared by personnel experienced in the operation and maintenance of the specific products.
- C. Panelboard Circuit Directories: Provide electrical service characteristics, controls, and communications; typed.
- D. Include color coded wiring diagrams as installed.
- E. Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include

summer, winter, and any special operating instructions.

- F. Maintenance Requirements: Include routine procedures and guide for preventative maintenance and trouble shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- G. Provide servicing and lubrication schedule, and list of lubricants required.
- H. Include manufacturer's printed operation and maintenance instructions.
- I. Include sequence of operation by controls manufacturer.
- J. Provide original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- K. Provide control diagrams by controls manufacturer as installed.
- L. Provide charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.
- M. Provide list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.
- N. Include test and balancing reports.
- O. Additional Requirements: As specified in individual product specification sections.

3.06 ASSEMBLY OF OPERATION AND MAINTENANCE MANUAL

- A. Assemble operation and maintenance data into a single electronic "manual" file in Adobe PDF file format for Owner's personnel use, with data arranged in the same sequence as, and bookmarked by, the specification sections.
 - 1. Media: USB flash drive of capacity sufficient to store entire PDF file, fragmented.
 - 2. Attach a tag or label flash drive with Project name, date, and the title "O&M Manual".
- B. Organization and Arrangement of Contents: Arrange the contents of the "manual" file in using the following hierarchical system and create a corresponding hierarchy of Bookmarks in the file:
 - 1. Project Title Page.
 - 2. Project Directory.
 - 3. Table of Contents:
 - 4. Project Warranties.
 - a. Division 01 - General
 - 1) General Contractor's Warranty.
 - 2) Record Drawings (marked-up version of A/E Drawings).
 - 3) Record Specifications (marked up version of A/E Specifications).
 - b. Division 02
 - 1) [One Bookmark for each Specification section number and name where a warranty is required.]
 - 2) [Continue for each applicable Specification section.]
 - c. [Continue for each applicable Division.]
 - 5. Record Documents.
 - a. Record Drawings (marked-up version of A/E Drawings).
 - b. Record Specifications (marked up version of A/E Specifications).

- c. [Continue for each Division.]
- 6. Operation and Maintenance Data.
 - a. Division 06
 - 1) [One Bookmark for each Specification section number and name where a O&M data is required.]
 - 2) [Continue for each applicable Specification section.]
 - b. [Continue for each applicable Division.]
- C. Where systems involve more than one Specification Section, provide separate Bookmark and content for each Specification Section.
- D. Prepare instructions and data by personnel experienced in maintenance and operation of described products.
- E. Prepare data in the form of an instructional manual.
- F. Cover Page: Populate the first page of the PDF file with: printed title "OPERATION AND MAINTENANCE MANUAL; identify title of Project; identify subject matter of contents.
- G. Project Directory: Beginning on the second page of the PDF file, provide Title and address of Project. Provide, for Architect/Engineer, Consultants, Contractor, subcontractors and major suppliers: the business name, address, telephone number(s), email address(es), contact name(s) of responsible individual(s) knowledgeable about the Project, and a brief description of the responsibility or contribution of the business to the Project.
- H. Table of Contents: List every item using the same identification as in the title of the Bookmark, in the sequence of the Table of Contents of the Project Manual, with each item identified with the number and title of the specification section in which specified, and the name of product or work item
- I. Bookmarks: Hierarchically under each Specification Section, further Bookmark each separate product and system; identify the contents in the title of the Bookmark; on the Bookmarked page provide a description of product and major component parts of equipment.
- J. Content: Manufacturer's printed data, legibly scanned, in color where applicable, at 300 dpi (minimum) resolution.
- K. Drawings: Legibly scanned, in color where applicable, at 300 dpi (minimum) resolution; PDF file page size to match native sheet size of original drawing.

END OF SECTION

**SECTION 01 79 00
DEMONSTRATION AND TRAINING**

PART 1 GENERAL

1.01 SUMMARY

- A. Demonstration of products and systems where indicated in specific specification sections.
- B. Training of Owner personnel in operation and maintenance is required for:
 - 1. All software-operated systems.
 - 2. HVAC systems and equipment.
 - 3. Electrical systems and equipment.
 - 4. Items specified in individual product Sections.

1.02 RELATED REQUIREMENTS

- A. Section 01 78 00 - Closeout Submittals: Operation and maintenance manuals.

1.03 SUBMITTALS

- A. Training Plan: Owner will designate personnel to be trained; tailor training to needs and skill-level of attendees.
 - 1. Submit to Architect/Engineer for transmittal to Owner.
 - 2. Submit not less than two weeks prior to start of training.
 - 3. Revise and resubmit until acceptable.
 - 4. Provide an overall schedule showing all training sessions.
 - 5. Include at least the following for each training session:
 - a. Identification, date, time, and duration.
 - b. Description of products and/or systems to be covered.
 - c. Name of firm and person conducting training; include qualifications.
 - d. Intended audience, such as job description.
 - e. Objectives of training and suggested methods of ensuring adequate training.
 - f. Methods to be used, such as classroom lecture, live demonstrations, hands-on, etc.
 - g. Media to be used, such as slides, hand-outs, etc.
 - h. Training equipment required, such as projector, projection screen, etc., to be provided by Contractor.
- B. Training Manuals: Provide training manual for each attendee; allow for minimum of two attendees per training session.
 - 1. Include applicable portion of O&M manuals.
 - 2. Include copies of all hand-outs, slides, overheads, video presentations, etc., that are not included in O&M manuals.
 - 3. Provide one extra copy of each training manual to be included with operation and maintenance data.
- C. Training Reports:
 - 1. Identification of each training session, date, time, and duration.
 - 2. Sign-in sheet showing names and job titles of attendees.
 - 3. List of attendee questions and written answers given, including copies of and references to supporting documentation required for clarification; include answers to questions that could not be answered in original training session.

1.04 QUALITY ASSURANCE

- A. Instructor Qualifications: Familiar with design, operation, maintenance and troubleshooting of the relevant products and systems.
 - 1. Provide as instructors the most qualified trainer of those contractors and/or installers who actually supplied and installed the systems and equipment.
 - 2. Where a single person is not familiar with all aspects, provide specialists with necessary qualifications.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 DEMONSTRATION - GENERAL

- A. Demonstrations conducted during system start-up do not qualify as demonstrations for the purposes of this section, unless approved in advance by Owner.
- B. Demonstration may be combined with Owner personnel training if applicable.
- C. Operating Equipment and Systems: Demonstrate operation in all modes, including start-up, shut-down, seasonal changeover, emergency conditions, and troubleshooting, and maintenance procedures, including scheduled and preventive maintenance.
 - 1. Perform demonstrations not less than two weeks prior to Substantial Completion.
 - 2. For equipment or systems requiring seasonal operation, perform demonstration for other season within six months.
- D. Non-Operating Products: Demonstrate cleaning, scheduled and preventive maintenance, and repair procedures.
 - 1. Perform demonstrations not less than two weeks prior to Substantial Completion.

3.02 TRAINING - GENERAL

- A. Conduct training on-site unless otherwise indicated.
- B. Owner will provide classroom and seating at no cost to Contractor.
- C. Provide training in minimum two hour segments.
- D. Training schedule will be subject to availability of Owner's personnel to be trained; re-schedule training sessions as required by Owner; once schedule has been approved by Owner failure to conduct sessions according to schedule will be cause for Owner to charge Contractor for personnel "show-up" time.
- E. Review of Facility Policy on Operation and Maintenance Data: During training discuss:
 - 1. The location of the O&M manuals and procedures for use and preservation; backup copies.
 - 2. Typical contents and organization of all manuals, including explanatory information, system narratives, and product specific information.
 - 3. Typical uses of the O&M manuals.
- F. Product- and System-Specific Training:
 - 1. Review the applicable O&M manuals.
 - 2. For systems, provide an overview of system operation, design parameters and constraints, and operational strategies.

3. Review instructions for proper operation in all modes, including start-up, shut-down, seasonal changeover and emergency procedures, and for maintenance, including preventative maintenance.
 4. Provide hands-on training on all operational modes possible and preventive maintenance.
 5. Emphasize safe and proper operating requirements; discuss relevant health and safety issues and emergency procedures.
 6. Discuss common troubleshooting problems and solutions.
 7. Discuss any peculiarities of equipment installation or operation.
 8. Discuss warranties and guarantees, including procedures necessary to avoid voiding coverage.
 9. Review recommended tools and spare parts inventory suggestions of manufacturers.
 10. Review spare parts and tools required to be furnished by Contractor.
 11. Review spare parts suppliers and sources and procurement procedures.
- G. Be prepared to answer questions raised by training attendees; if unable to answer during training session, provide written response within three days.

END OF SECTION

**SECTION 02 41 00
DEMOLITION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Selective demolition of building elements for alteration purposes.

1.02 RELATED REQUIREMENTS

- A. Section 01 10 00 - Summary: Limitations on Contractor's use of site and premises.
- B. Section 01 10 00 - Summary: Description of items to be salvaged or removed for re-use by Contractor.
- C. Section 01 50 00 - Temporary Facilities and Controls: Site fences, security, protective barriers, and waste removal.
- D. Section 01 60 00 - Product Requirements: Handling and storage of items removed for salvage and relocation.
- E. Section 01 70 00 - Execution and Closeout Requirements: Project conditions; protection of bench marks, survey control points, and existing construction to remain; reinstallation of removed products; temporary bracing and shoring.

1.03 REFERENCE STANDARDS

- A. 29 CFR 1926 - Safety and Health Regulations for Construction Current Edition.
- B. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations 2022, with Errata (2021).

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Site Plan: Indicate:
 - 1. Areas for temporary construction and field offices.
- C. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.

1.05 QUALITY ASSURANCE

- A. Demolition Firm Qualifications: Company specializing in the type of work required.
 - 1. Minimum of 3 years of documented experience.

PART 2 PRODUCTS -- NOT USED

PART 3 EXECUTION

3.01 DEMOLITION

- A. Remove other items indicated, for salvage, relocation, and recycling.

3.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Comply with requirements in Section 01 70 00.
- B. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public.
 - 1. Obtain required permits.
 - 2. Comply with applicable requirements of NFPA 241.
 - 3. Use of explosives is not permitted.
 - 4. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
 - 5. Provide, erect, and maintain temporary barriers and security devices.
 - 6. Use physical barriers to prevent access to areas that could be hazardous to workers or the public.
 - 7. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
 - 8. Do not close or obstruct roadways or sidewalks without permits from authority having jurisdiction.
 - 9. Conduct operations to minimize obstruction of public and private entrances and exits. Do not obstruct required exits at any time. Protect persons using entrances and exits from removal operations.
- C. Do not begin removal until receipt of notification to proceed from Owner.
- D. Do not begin removal until built elements to be salvaged or relocated have been removed.
- E. Do not begin removal until vegetation to be relocated has been removed and vegetation to remain has been protected from damage.
- F. Protect existing structures and other elements to remain in place and not removed.
 - 1. Provide bracing and shoring.
 - 2. Prevent movement or settlement of adjacent structures.
 - 3. Stop work immediately if adjacent structures appear to be in danger.
- G. Minimize production of dust due to demolition operations. Do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution.
- H. Perform demolition in a manner that maximizes salvage and recycling of materials.
 - 1. Dismantle existing construction and separate materials.
 - 2. Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.

3.03 EXISTING UTILITIES

- A. Coordinate work with utility companies. Notify utilities before starting work, comply with their requirements, and obtain required permits.
- B. Protect existing utilities to remain from damage.
- C. Do not disrupt public utilities without permit from authority having jurisdiction.
- D. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to Owner.

- E. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to Owner.

3.04 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. Existing construction and utilities indicated on drawings are based on casual field observation and existing record documents only.
 - 1. Verify construction and utility arrangements are as indicated.
 - 2. Report discrepancies to Architect/Engineer before disturbing existing installation.
 - 3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
- B. Locate and mark piping, ducts, duct banks and conduits within and beneath slabs on grade prior to performing sawcutting and removal of slabs on grade.
- C. Separate areas in which demolition is being conducted from areas that remain occupied.
 - 1. Provide, erect, and maintain temporary dustproof partitions of construction specified in Section 01 50 00 .
- D. Maintain weatherproof exterior building enclosure, except for interruptions required for replacement or modifications; prevent water and humidity damage.
- E. Remove existing work as indicated and required to accomplish new work.
 - 1. Remove rotted wood, corroded metals, and deteriorated masonry and concrete; replace with new construction indicated.
 - 2. Remove items indicated on drawings.
- F. Services including, but not limited to, HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications: Remove existing systems and equipment as indicated.
 - 1. Maintain existing active systems to remain in operation, and maintain access to equipment and operational components.
 - 2. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
 - 3. Verify that abandoned services serve only abandoned facilities before removal.
 - 4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings. Remove back to source of supply where possible, otherwise cap stub and tag with identification.
- G. Protect existing work to remain.
 - 1. Prevent movement of structure. Provide shoring and bracing as required.
 - 2. Perform cutting to accomplish removal work neatly and as specified for cutting new work.
 - 3. Repair adjacent construction and finishes damaged during removal work.
 - 4. Patch to match new work.

3.05 DEBRIS AND WASTE REMOVAL

- A. Remove debris, junk, and trash from site.
- B. Leave site in clean condition, ready for subsequent work.

C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

**SECTION 04 20 00
UNIT MASONRY**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Concrete block.
- B. Mortar and grout.
- C. Reinforcement and anchorage.
- D. Flashings.
- E. Masonry Lintels.
- F. Installation of items furnished under other Sections for embedment in masonry.
- G. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section 01 40 00 - Quality Requirements.
- B. Section 05 50 00 - Metal Fabrications: Loose steel lintels, bearing plates and other miscellaneous metal items for embedment in masonry.
- C. Section 07 21 00 - Thermal Insulation: Insulation for cavity spaces.
- D. Section 07 92 00 - Joint Sealants: Sealing control and expansion joints.

1.03 REFERENCE STANDARDS

- A. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware 2016a.
- B. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement 2022.
- C. ASTM A641/A641M - Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire 2019.
- D. ASTM A951/A951M - Standard Specification for Steel Wire for Masonry Joint Reinforcement 2022.
- E. ASTM A1064/A1064M - Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete 2022.
- F. ASTM C90 - Standard Specification for Loadbearing Concrete Masonry Units 2022.
- G. ASTM C140/C140M - Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units 2022c.
- H. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar 2018.
- I. ASTM C150/C150M - Standard Specification for Portland Cement 2022.
- J. ASTM C207 - Standard Specification for Hydrated Lime for Masonry Purposes 2018.

- K. ASTM C212 - Standard Specification for Structural Clay Facing Tile 2022.
- L. ASTM C216 - Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale) 2022.
- M. ASTM C270 - Standard Specification for Mortar for Unit Masonry 2019a, with Editorial Revision.
- N. ASTM C404 - Standard Specification for Aggregates for Masonry Grout 2018.
- O. ASTM C476 - Standard Specification for Grout for Masonry 2023.
- P. ASTM C979/C979M - Standard Specification for Pigments for Integrally Colored Concrete 2016.
- Q. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures 2022.
- R. Standard Practice for Bracing Masonry Walls Under Construction - Mason Contractors Association of America.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by all relevant installers.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data for masonry units, fabricated wire reinforcement, mortar, and masonry accessories.
- C. Manufacturer's Certificate: Certify that masonry units meet or exceed specified requirements.

1.06 QUALITY ASSURANCE

- A. Comply with provisions of TMS 402/602, except where exceeded by requirements of Contract Documents.
- B. Source Limitations For Masonry Units: Obtain masonry units of a uniform texture, color and blend (within the range acceptable for each characteristic) through one source from a single manufacturer for each product required.
- C. Source Limitations For Mortar Materials: Obtain mortar components of a uniform quality from one manufacturer for each component and from one source or producer.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, handle, and store masonry units by means that will prevent mechanical damage and contamination by other materials.
- B. Deliver packaged materials in manufacturers' original containers, with labels and markings intact and legible.

PART 2 PRODUCTS

2.01 CONCRETE MASONRY UNITS

- A. Concrete Block: Comply with referenced standards and as follows:

1. Size: Standard units with nominal face dimensions of 16 by 6 inches and nominal depths as indicated on drawings for specific locations.
2. Special Shapes: Provide nonstandard blocks configured for corners.
 - a. Exterior corners of intersecting walls: Bullnose.
3. All Units: ASTM C90, medium or lightweight, at contractor's discretion. Unit Compressive Strength: 2150 psi.
 - a. Both hollow and solid block, as indicated.
 - b. Exposed Faces: Manufacturer's standard color and texture where indicated.
 - c. Manufacturers:
 - 1) The Concrete Products Group; Spec-Brik: www.concreteproductsgroup.com/#sle.
 - 2) Substitutions: See Section 01 60 00 - Product Requirements.

2.02 MORTAR AND GROUT MATERIALS

- A. Portland Cement: ASTM C150/C150M, Type I; color as required to produce approved color sample.
 1. Hydrated Lime: ASTM C207, Type S.
 2. Mortar Aggregate: ASTM C144.
 3. Grout Aggregate: ASTM C404.
- B. Pigments for Colored Mortar: Pure, concentrated mineral pigments specifically intended for mixing into mortar and complying with ASTM C979/C979M.
 1. Color(s): As selected by Architect/Engineer from manufacturer's full range.
 2. Manufacturers:
- C. Water: Clean and potable.
- D. Admixtures:
 1. Air-entraining admixtures or cementitious materials containing air-entraining admixtures are not permitted in mortar.
 2. Anti-freeze compounds or other substances used to lower the freezing point of mortar or grout are not permitted.
 3. Admixtures containing calcium chloride are not permitted.
- E. Accelerating Admixture: Nonchloride type for use in cold weather.
- F. Moisture-Resistant Admixture: Water repellent compound designed to reduce capillarity.

2.03 REINFORCEMENT AND ANCHORAGE

- A. Manufacturers:
 1. Blok-Lok Limited: www.blok-lok.com.
 2. Hohmann & Barnard, Inc: www.h-b.com/#sle.
 3. WIRE-BOND www.wirebond.com/#sle.
- B. Reinforcing Steel: ASTM A615/A615M, Grade 60 (60,000 psi), deformed billet bars; uncoated.
- C. Single Wythe Joint Reinforcement: ASTM A951/A951M.
 1. Type: Truss.
 2. Material: ASTM A1064/A1064M steel wire, mill galvanized to ASTM A641/A641M Class 3.
 3. Size: 0.1483 inch side rods with 0.1483 inch cross rods; width as required to provide not less than 5/8 inch of mortar coverage on each exposure.

- D. Cavity Wall Joint Reinforcement: ASTM A951/A951M.
 - 1. Type: Ladder, with adjustable ties or tabs spaced at 16 in on center.
 - 2. Material: ASTM A1064/A1064M steel wire, hot dip galvanized after fabrication to ASTM A153/A153M Class B.
 - 3. Size: 0.1875 inch side rods with 0.1483 inch cross rods and adjustable components of 0.1875 inch wire, width of components as required to provide not less than 5/8 inch of mortar coverage from each masonry face.
- E. Strap Anchors: Bent steel shapes, 1-1/2 inch width, 0.105 inch thick, 24 inch length, with 1-1/2 inch long, 90 degree bend at each end to form a U or Z shape or with cross pins, hot dip galvanized to ASTM A153/A153M Class B.
- F. Flexible Anchors: 2-piece anchors that permit differential movement between masonry and building frame, sized to provide not less than 5/8 inch of mortar coverage from masonry face.
 - 1. Steel frame: Crimped wire anchors for welding to frame, 0.25 inch thick, with trapezoidal wire ties 0.1875 inch thick, hot dip galvanized to ASTM A 153/A 153M, Class B.
- G. Residential Wall Ties: Corrugated formed sheet metal, 7/8 inch wide by 0.05 inch thick, hot dip galvanized to ASTM A 153/A 153M, Class B, sized to extend at least 1-1/2 inches into the veneer with at least 5/8 inch of mortar coverage from masonry face.
- H. Two-Piece Wall Ties: Formed steel wire, 0.1875 inch thick, adjustable, eye and pintle type, hot dip galvanized to ASTM A 153/A 153M, Class B, sized to provide not less than 5/8 inch of mortar coverage from masonry face and to allow vertical adjustment of up to 1-1/4 in.
- I. Dovetail Anchor Slot and Ties: Slot: 22 gage, 1 inch x 1 inch x 5/8 inch, mill galvanized. Tie: 12 gage clip wire tie, mill galvanized.
- J. Masonry Veneer Anchors: 2-piece anchors that permit differential movement between masonry veneer and structural backup, hot dip galvanized to ASTM A 153/A 153M, Class B.
 - 1. Anchor plates: Not less than 0.075 inch thick, designed for fastening to structural backup through sheathing by two fasteners; provide design with legs that penetrate sheathing and insulation to provide positive anchorage.
 - 2. Wire ties: Manufacturer's standard shape, 0.1875 inch thick.
 - 3. Vertical adjustment: Not less than 3-1/2 inches.

2.04 ACCESSORIES

- A. Preformed Control Joints: Rubber material conforming to ASTM D2000; 2-5/8 inches wide. Provide with corner and tee accessories, fused joints.
 - 1. Manufacturers:
 - a. Hohmann & Barnard, Inc (including Blok-Lok and Dur-O-Wal brands); Product #RS-Standard or #DA2001: www.h-b.com.
 - b. WIRE-BOND; Product #2901: www.wirebond.com.
 - c. Heckmann Building Products, Inc.; #352-10: www.heckmannbuildingprods.com.
- B. Joint Filler: Closed cell neoprene; oversized 50 percent to joint width; self expanding; with pressure-sensitive adhesive on one side; 3 inch wide x by maximum lengths available.
 - 1. Manufacturers:
 - a. Hohmann & Barnard, Inc (including Blok-Lok and Dur -O-Wal brands); Product #NSTA or Rapid Expansion Joint DA2015: www.h-b.com.

b. WIRE-BOND; Product #3300 Expansion Joint : www.wirebond.com.

C. Cleaning Solution: Non-acidic, not harmful to masonry work or adjacent materials.

2.05 MORTAR AND GROUT MIXING

A. Mortar for Unit Masonry: ASTM C270, using the Proportion Specification.

1. Masonry below grade and in contact with earth: Type M.
2. Exterior, loadbearing masonry: Type N.
3. Exterior, non-loadbearing masonry: Type N.
4. Interior, loadbearing masonry: Type N.
5. Interior, non-loadbearing masonry: Type N.

B. Colored Mortar: Proportion selected pigments and other ingredients to match Architect/Engineer's sample, without exceeding manufacturer's recommended pigment-to-cement ratio.

C. Grout: ASTM C 476. Consistency required to fill completely volumes indicated for grouting; fine grout for spaces with smallest horizontal dimension of 2 inches or less; coarse grout for spaces with smallest horizontal dimension greater than 2 inches. Grout strength to be 2500 psi at 28 days.

D. Mixing: Use mechanical batch mixer and comply with referenced standards.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive masonry.
- B. Verify that related items provided under other sections are properly sized and located.
- C. Verify that built-in items are in proper location, and ready for roughing into masonry work.

3.02 PREPARATION

- A. Direct and coordinate placement of metal anchors supplied for installation under other sections.
- B. Temporary Bracing: Provide temporary support and bracing as required for stability, safety and proper performance of masonry during installation of masonry work. Maintain in place until connections and structural elements providing permanent bracing are fully erected and installed and have achieved full strength.
- C. Protection: Cover tops of completed and partially completed walls, projections and sills with waterproof sheeting at the end of each day's work, and maintain protection even when masonry work is not in progress. Extend sheeting minimum 48 inches down both sides of walls and hold sheeting securely in place.
- D. Prevent grout, mortar and soil from staining the face of masonry to be left exposed to view, whether scheduled to be painted or not. Immediately remove grout, mortar and soil that come in contact with such masonry.

3.03 COLD AND HOT WEATHER REQUIREMENTS

- A. Comply with requirements of TMS 402/602 or applicable building code, whichever is more stringent.

3.04 COURSING

- A. Establish lines, levels, and coursing indicated. Protect from displacement.
- B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.
- C. Concrete Masonry Units:
 - 1. Bond: Running.
 - 2. Coursing: One unit and one mortar joint to equal 8 inches.
 - 3. Mortar Joints: Concave; provide other joint types where indicated on the Drawings.

3.05 PLACING AND BONDING

- A. Combine concrete masonry units and mortar to achieve a net masonry prism strength (f'm) of 1500 psi.
- B. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.
- C. Lay hollow masonry units with face shell bedding on head and bed joints.
- D. Buttering corners of joints or excessive furrowing of mortar joints is not permitted.
- E. Remove excess mortar, mortar droppings and mortar smears as work progresses.
- F. Remove excess mortar with water repellent admixture promptly. Do not use acids, sandblasting or high pressure cleaning methods.
- G. Interlock intersections and external corners.
- H. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove mortar and replace.
- I. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.
- J. Cut mortar joints flush where wall tile is scheduled or resilient base is scheduled.
- K. Isolate masonry partitions from vertical structural framing members with a control joint.
- L. Isolate top joint of masonry partitions from horizontal structural framing members and slabs or decks with compressible joint filler.
- M. Build cavity and multi-wythe walls to full thickness shown (adjust cavity space).
- N. Build and verify dimensions for chases and pockets for built-in items according to trade contractor and equipment requirements. Notify Architect of any discrepancies between requirements and drawings.

3.06 REINFORCEMENT AND ANCHORAGE - GENERAL AND SINGLE WYTHE MASONRY

- A. Unless otherwise indicated on drawings or specified under specific wall type, install horizontal joint reinforcement 16 inches on center.
- B. Place masonry joint reinforcement in first and second horizontal joints above and below openings. Extend minimum 16 inches each side of opening.

- C. Place continuous joint reinforcement in first and second joint below top of walls.
- D. Lap joint reinforcement ends minimum 6 inches.
- E. Fasten anchors to structural framing and embed in masonry joints as masonry is laid. Unless otherwise indicated on drawings or closer spacing is indicated under specific wall type, space anchors at maximum of 24 inches horizontally and 16 inches vertically.

3.07 LINTELS

- A. Install loose steel lintels over openings scheduled on the Drawings.
- B. Provide reinforced precast or formed-in-place unit masonry lintels over openings more than 12 inches wide where steel or precast concrete lintels are not scheduled. Use "U" shaped masonry units
 1. Openings to 42 inches: Place two, No. 4 reinforcing bars 1 inch from bottom web.
 2. Openings from 42 inches to 78 inches: Place two, No. 5 reinforcing bars 1 inch from bottom web.
 3. Openings over 78 inches: Reinforce openings as detailed.
 4. Do not splice reinforcing bars.
 5. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.
 6. Place and consolidate grout fill without displacing reinforcing.
 7. Allow masonry lintels to attain specified strength before handling and installation of precast lintels and before removing temporary supports from formed-in-place lintels.

3.08 GROUTED COMPONENTS

- A. Reinforce bond beams with 2, No. 4 bars, 1 inch from bottom web u.n.o.
- B. Lap splices to be as noted on the drawings.
- C. Support and secure reinforcing bars from displacement. Maintain position within 1/2 inch of dimensioned position.
- D. Place and consolidate grout fill without displacing reinforcing.
- E. At bearing locations, fill masonry cores with grout for a minimum 12 inches either side of opening.

3.09 CONTROL AND EXPANSION JOINTS

- A. Do not continue horizontal joint reinforcement through control or expansion joints.
- B. Run continuous horizontal bond beam reinforcing through control joints unless noted otherwise on drawings.
- C. Install preformed control joint device in continuous lengths. Seal butt and corner joints in accordance with manufacturer's instructions.
- D. Size control joint in accordance with Section 07 92 00 for sealant performance.
- E. Form expansion joint as detailed on drawings.
- F. Provide control and expansion joints as indicated on the drawings and at the following locations:
 1. Changes in wall height.

2. Changes in wall thickness.
3. Changes in material types.
4. Changes in environmental exposure.
5. Above movement joints in foundations and floors.
6. Below movement joints in roofs and floors.
7. Near one or both sides of door and window openings.
8. At offsets and setbacks.
9. At a maximum horizontal spacing of 25 feet.

3.10 BUILT-IN WORK

- A. As work progresses, install built-in metal door frames, glazed frames, anchor bolts, and plates and other items to be built into the work and furnished under other sections.
- B. Install built-in items plumb, level, and true to line.
- C. Bed anchors of metal door and glazed frames in adjacent mortar joints. Fill frame voids solid with grout.
 1. Fill adjacent masonry cores with grout minimum 12 inches from framed openings.
- D. Do not build into masonry construction organic materials that are subject to deterioration.
- E. Coordinate with trade contractors for elements and openings in walls (plumbing, electrical, ductwork, etc.).

3.11 TOLERANCES

- A. Maximum Variation from Alignment of Columns: 1/4 inch.
- B. Maximum Variation From Unit to Adjacent Unit: 1/32 inch.
- C. Maximum Variation from Plane of Wall: 1/4 inch in 10 ft and 1/2 inch in 20 ft or more.
- D. Maximum Variation from Plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.
- E. Maximum Variation from Level Coursing: 1/8 inch in 3 ft and 1/4 inch in 10 ft; 1/2 inch in 30 ft.
- F. Maximum Variation of Mortar Joint Thickness: Head joint, minus 1/4 inch, plus 3/8 inch.
- G. Maximum Variation from Cross Sectional Thickness of Walls: 1/4 inch.

3.12 CUTTING AND FITTING

- A. Cut and fit for pipes, ducts, sleeves, ducts, and ducts. Coordinate with other sections of work to provide correct size, shape, and location.
- B. Obtain Architect/Engineer approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.

3.13 FIELD QUALITY CONTROL

- A. An independent testing agency will perform field quality control tests, as specified in Section 01 40 00 - Quality Requirements.
- B. Provide free access to masonry operations at project site and cooperate with the appointed firm.

3.14 CLEANING

- A. Remove excess mortar, mortar smears and mortar droppings.
- B. Replace defective mortar. Match adjacent work.
- C. Clean soiled surfaces with cleaning solution.
- D. Use non-metallic tools in cleaning operations.

3.15 SEALER APPLICATION FOR GROUND FACE MASONRY

- A. Preparation:
 - 1. Protect surrounding surfaces from product spray, splash and residue.
 - 2. Verify surfaces to be treated are clean, dry and free of contaminants.
 - 3. Verify that joint sealants are complete in place and fully cured.
- B. Application:
 - 1. Test ground face masonry surfaces in inconspicuous locations for suitability and desired results.
 - 2. Apply specified sealer to ground face concrete masonry units in accordance with manufacturer's instructions and at manufacturer's recommended rates.

3.16 PROTECTION

- A. Without damaging completed work, provide protective boards at exposed external corners that are subject to damage by construction activities.
- B. Cover tops of completed walls, projections and sills with waterproof sheeting until execution of subsequent portions of the Work provides weather protection for these elements. Extend sheeting minimum 48 inches down both sides and hold sheeting securely in place.
- C. Provide temporary support and bracing as required for stability, safety and proper performance of erected masonry work until connections and structural elements providing permanent bracing are fully erected and installed and have achieved full strength.
- D. Prevent soil and materials from other trades from staining the face of masonry to be left exposed to view, whether scheduled to be painted or not. Immediately remove soil and other foreign materials that come in contact with such masonry.

END OF SECTION

**SECTION 05 50 00
METAL FABRICATIONS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Shop fabricated steel items, including: lintels.

1.02 RELATED REQUIREMENTS

- A. Section 04 20 00 - Unit Masonry: Placement of metal fabrications in masonry.
- B. Section 09 91 23 - Interior Painting: Paint finish.

1.03 REFERENCE STANDARDS

- A. ANSI A14.3 - American National Standard for Ladders -- Fixed -- Safety Requirements 2008 (Reaffirmed 2018).
- B. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength 2021.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- D. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination 2020.
- E. AWS D1.1/D1.1M - Structural Welding Code - Steel 2020, with Errata (2022).
- F. IAS AC172 - Accreditation Criteria for Fabricator Inspection Programs for Structural Steel AC172 2019.
- G. SSPC-Paint 15 - Steel Joist Shop Primer/Metal Building Primer 2004.
- H. SSPC-Paint 20 - Zinc-Rich Coating (Type I - Inorganic, and Type II - Organic) 2019.
- I. SSPC-SP 2 - Hand Tool Cleaning 2018.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable.
 - 1. Indicate welded connections using standard AWS A2.4 welding symbols. Indicate net weld lengths.
- C. Product Data: Submit manufacturers' data on manufactured products showing compliance with specified requirements and installation instructions.
 - 1. Anchoring epoxy and expansion/wedge anchors.
- D. Fabricator's Qualification Statement: Provide documentation showing steel fabricator is accredited under IAS AC172.

1.05 QUALITY ASSURANCE

- A. Fabricator: Company holding the contract for the work of this Section must be a fabricator, not a broker, and must self-perform all the work of this Section.

PART 2 PRODUCTS

2.01 FABRICATION

- A. Continuously seal joined members by continuous welds.
- B. Exposed Mechanical Fastenings: Flush countersunk screws or bolts; unobtrusively located; consistent with design of component, except where specifically noted otherwise.

2.02 FABRICATED ITEMS

- A. Lintels: As indicated on drawings. prime paint.

2.03 FABRICATION TOLERANCES

- A. Squareness: 1/8 inch maximum difference in diagonal measurements.
- B. Maximum Offset Between Faces: 1/16 inch.
- C. Maximum Misalignment of Adjacent Members: 1/16 inch.
- D. Maximum Bow: 1/8 inch in 48 inches.
- E. Maximum Deviation From Plane: 1/16 inch in 48 inches.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work.

3.02 PREPARATION

- A. Clean and strip primed steel items to bare metal where site welding is required.
- B. Furnish setting templates to the appropriate entities for steel items required to be cast into concrete or embedded in masonry.

3.03 INSTALLATION

- A. Install items plumb and level, accurately fitted, free from distortion or defects.
- B. Provide for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
- C. Field weld components where required on drawings.
- D. Field weld components and shear studs indicated on drawings and shop drawings.
- E. Perform field welding in accordance with AWS D1.1/D1.1M.
- F. Obtain approval prior to site cutting or making adjustments not scheduled.

G. After erection, prime welds, abrasions and surfaces not shop primed or galvanized , except surfaces to be in contact with concrete.

3.04 TOLERANCES

A. Maximum Variation From Plumb: 1/4 inch per story, non-cumulative.

B. Maximum Offset From True Alignment: 1/4 inch.

C. Maximum Out-of-Position: 1/4 inch.

3.05 SCHEDULE

A. Interior Locations (Non-Corrosive Environments)Finish

1. Lintels

Primed

2. Miscellaneous angles, plates, clips and shims Primed

END OF SECTION

**SECTION 06 10 00
ROUGH CARPENTRY**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Roof-mounted curbs.
- B. Preservative treated wood materials.
- C. Communications and electrical room mounting boards.
- D. Concealed wood blocking, nailers, and supports.

1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 09 21 16 - Gypsum Board Assemblies: Gypsum-based sheathing.

1.03 REFERENCE STANDARDS

- A. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware 2016a.
- B. ASTM D2898 - Standard Practice for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing 2010 (Reapproved 2017).
- C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2023.
- D. AWPA U1 - Use Category System: User Specification for Treated Wood 2022.
- E. PS 20 - American Softwood Lumber Standard 2021.
- F. WWPA G-5 - Western Lumber Grading Rules 2021.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. General: Cover wood products to protect against moisture. Support stacked products to prevent deformation and to allow air circulation.
- B. Fire Retardant Treated Wood: Prevent exposure to precipitation during shipping, storage, and installation.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Dimension Lumber: Comply with PS 20 and requirements of specified grading agencies.
 - 1. Species: Douglas Fir-Larch, unless otherwise indicated.

2. If no species is specified, provide species graded by the agency specified; if no grading agency is specified, provide lumber graded by grading agency meeting the specified requirements.
 3. Grading Agency: Grading agency whose rules are approved by the Board of Review, American Lumber Standard Committee at www.alsc.org, and who provides grading service for the species and grade specified; provide lumber stamped with grade mark unless otherwise indicated.
 4. Lumber of other species or grades is acceptable provided structural and appearance characteristics are equivalent to or better than products specified.
- B. Provide sustainably harvested wood; see Section 01 60 00 - Product Requirements for requirements.

2.02 DIMENSION LUMBER FOR CONCEALED APPLICATIONS

- A. Grading Agency: Western Wood Products Association; WWPA G-5.
- B. Sizes: Nominal sizes as indicated on drawings, S4S.
- C. Moisture Content: S-dry or MC19.
- D. Miscellaneous Framing, Blocking, Nailers, Grounds, and Furring:
 1. Lumber: S4S, No. 2 or Standard Grade.
 2. Boards: Standard or No. 3.

2.03 ACCESSORIES

- A. Fasteners and Anchors:
 1. Metal and Finish: Hot-dipped galvanized steel complying with ASTM A153/A153M for high humidity and preservative-treated wood locations, unfinished steel elsewhere.

2.04 FACTORY WOOD TREATMENT

- A. Treated Lumber and Plywood: Comply with requirements of AWPA U1 - Use Category System for wood treatments determined by use categories, expected service conditions, and specific applications.
 1. Fire-Retardant Treated Wood: Mark each piece of wood with producer's stamp indicating compliance with specified requirements.
 2. Preservative-Treated Wood: Provide lumber and plywood marked or stamped by an ALSC-accredited testing agency, certifying level and type of treatment in accordance with AWPA standards.
- B. Fire Retardant Treatment:
 1. Exterior Type: AWPA U1, Category UCFB, Commodity Specification H, chemically treated and pressure impregnated; capable of providing a maximum flame spread index of 25 when tested in accordance with ASTM E84, with no evidence of significant combustion when test is extended for an additional 20 minutes both before and after accelerated weathering test performed in accordance with ASTM D2898.
 - a. Kiln dry wood after treatment to a maximum moisture content of 19 percent for lumber and 15 percent for plywood.
 - b. Do not use treated wood in direct contact with the ground.
 2. Interior Type A: AWPA U1, Use Category UCFA, Commodity Specification H, low temperature (low hygroscopic) type, chemically treated and pressure impregnated; capable of providing a

maximum flame spread index of 25 when tested in accordance with ASTM E84, with no evidence of significant combustion when test is extended for an additional 20 minutes.

- a. Kiln dry wood after treatment to a maximum moisture content of 19 percent for lumber and 15 percent for plywood.
- b. Treat rough carpentry items as scheduled.
- c. Do not use treated wood in applications exposed to weather or where the wood may become wet.

C. Preservative Pressure Treatment of Lumber Above Grade: AWPA U1, Use Category UC3B, Commodity Specification A using waterborne preservative.

1. Kiln dry lumber after treatment to maximum moisture content of 15 percent.
2. Treat lumber in contact with flashing or waterproofing.
3. Treat lumber in contact with masonry or concrete.
4. Treat lumber less than 18 inches above grade.
5. Preservative Pressure Treatment of Plywood Above Grade: AWPA U1, Use Category UC2 and UC3B, Commodity Specification F using waterborne preservative.
 - a. Kiln dry plywood after treatment to maximum moisture content of 15 percent.
 - b. Treat plywood in contact with roofing, flashing, or waterproofing.
 - c. Treat plywood in contact with masonry or concrete.
 - d. Treat plywood less than 18 inches above grade.

D. Restrictions: Do not use lumber or plywood treated with chromated copper arsenate (CCA) in exposed exterior applications subject to leaching.

PART 3 EXECUTION

3.01 PREPARATION

A. Coordinate installation of rough carpentry members specified in other sections.

3.02 INSTALLATION - GENERAL

- A. Select material sizes to minimize waste.
- B. Reuse scrap to the greatest extent possible; clearly separate scrap for use on site as accessory components, including: shims, bracing, and blocking.
- C. Where treated wood is used on interior, provide temporary ventilation during and immediately after installation sufficient to remove indoor air contaminants.

3.03 BLOCKING, NAILERS, AND SUPPORTS

- A. Provide framing and blocking members as indicated or as required to support finishes, fixtures, specialty items, and trim.
- B. In walls, provide blocking attached to studs as backing and support for wall-mounted items, unless item can be securely fastened to two or more studs or other method of support is explicitly indicated.
- C. Where ceiling-mounting is indicated, provide blocking and supplementary supports above ceiling, unless other method of support is explicitly indicated.
- D. Provide the following specific nonstructural framing and blocking:
 1. Cabinets and shelf supports.

2. Wall brackets.
3. Handrails.
4. Grab bars.
5. Toilet accessories.
6. Wall-mounted door stops.
7. Marker and tack boards.
8. Joints of rigid wall coverings that occur between studs.

3.04 ROOF-RELATED CARPENTRY

- A. Coordinate installation of roofing carpentry with deck construction, framing of roof openings, and roofing assembly installation.
- B. Provide wood curb at each roof opening except where specifically indicated otherwise; form corners by alternating lapping side members.

3.05 SITE APPLIED WOOD TREATMENT

- A. Apply preservative treatment compatible with factory applied treatment at site-sawn cuts, complying with manufacturer's instructions.
- B. Allow preservative to dry prior to erecting members.

3.06 TOLERANCES

- A. Variation from Plane, Other than Floors: 1/4 inch in 10 feet maximum, and 1/4 inch in 30 feet maximum.

3.07 CLEANING

- A. Waste Disposal:
 1. Comply with applicable regulations.
 2. Do not burn scrap on project site.
 3. Do not burn scraps that have been pressure treated.
 4. Do not send materials treated with pentachlorophenol, CCA, or ACA to co-generation facilities or "waste-to-energy" facilities.
- B. Do not leave wood, shavings, sawdust, etc. on the ground or buried in fill.
- C. Prevent sawdust and wood shavings from entering the storm drainage system.

3.08 SCHEDULE

- A. Blocking in Walls: Untreated.
- B. Communications and Electrical Room Mounting Boards: Fire-retardant treated.

END OF SECTION

**SECTION 06 41 00
CUSTOM CASEWORK**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Specially fabricated cabinet units.
- B. Hardware.
- C. Preparation for installing utilities.

1.02 RELATED REQUIREMENTS

- A. Section 08 80 00 - Glazing: Glass for casework.
- B. Section 12 36 00 - Countertops.

1.03 REFERENCE STANDARDS

- A. ANSI A208.1 - American National Standard for Particleboard 2022.
- B. ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications 2022.
- C. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition 2014, with Errata (2016).
- D. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards 2021, with Errata.
- E. NEMA LD 3 - High-Pressure Decorative Laminates 2005.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting not less than one week before starting work of this section; require attendance by all affected installers.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Shop Drawings: Indicate materials, component profiles and elevations, assembly methods, fastening methods, jointing details, and accessories, hardware locations and schedule of finishes.
 - 1. Scale of Drawings: 1-1/2 inch to 1 foot, minimum.
 - 2. Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
- C. Product Data: Provide data for hardware accessories.
- D. Samples: Submit actual sample items of proposed pulls, hinges, shelf standards, and locksets, demonstrating hardware design, quality, and finish.
- E. Fabricator's Qualifications Statement.

1.06 QUALITY ASSURANCE

- A. Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
 - 1. Company with at least one project in the past 5 years with value of woodwork within 20 percent of cost of woodwork for this Project.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Reject and return to fabricator units that are missing hardware components.
- B. Protect units from moisture damage.

1.08 FIELD CONDITIONS

- A. During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

PART 2 PRODUCTS

2.01 CABINETS

- A. Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B. Premanufactured Alternative: Subject to compliance with all requirements of this Section, Premanufactured Wood Casework is acceptable for casework components.
- C. Cabinets:
 - 1. Finish - Exposed Exterior Surfaces: Decorative laminate.
 - 2. Finish - Exposed Interior Surfaces: Decorative laminate.
 - 3. Finish - Semi-Exposed Surfaces: Decorative laminate
 - 4. Finish - Concealed Surfaces: Manufacturer's option.
 - 5. Door and Drawer Front Edge Profiles: Radius edge with thick applied band.
 - 6. Door and Drawer Front Retention Profiles: Removable stop.
 - 7. Casework Construction Type: Type A - Frameless.
 - 8. Interface Style for Cabinet and Door: Style 1 - Overlay; flush overlay.
 - 9. Grained Face Layout for Cabinet and Door Fronts: Flush panel.
 - a. Premium Grade:
 - 1) Provide vertical run and match for doors, drawer fronts and false fronts within each cabinet unit.
 - 2) Provide well-matched doors, drawer fronts and false fronts across multiple cabinet faces in one elevation.
 - 3) Cathedral Grain: Point grain crown up and run in the same direction for entire project.
 - 10. Cabinet Design Series: As indicated on drawings.
 - 11. Adjustable Shelf Loading: 40 psf.
 - a. Deflection: L/144.
 - 12. Casework Integrity: Comply with Acceptance Level requirements of AWI/AWMAC/WI (AWS) Appendix A for the following tests.
 - a. Structural Integrity Test - Base Cabinet.
 - b. Concentrated Load Test - Base Cabinet.
 - c. Torsion Test - Base Cabinet.
 - d. Structural Integrity Test - Wall Cabinet.
 - e. Door Durability Test.
 - f. Door Impact Test.
 - g. Door Hinge Test.
 - h. Drawer Bottom Impact Test.
 - i. Drawer Support Test.

- j. Drawer and Door Pull Test.
 - k. Drawer Rolling Load Test.
 - l. Shelf Load Test.
13. Drawer Side Construction: Doweled, Dowel Screwed, Biscuit Splined or Lock Jointed and Nailed.

2.02 WOOD-BASED COMPONENTS

- A. Wood fabricated from old growth timber is not permitted.

2.03 PANEL MATERIALS

- A. Particleboard: ANSI A208.1; Grade M-3 medium density or any Grade high density industrial type as specified in AWI/AWMAC/WI (AWS), composed of wood chips bonded with interior grade adhesive under heat and pressure; sanded faces; thickness as specified under AWI/AWMAC/WI (AWS) Section 10.4.7 for each component type; use for components indicated on drawings.
 - 1. Density: 40 lb/cu ft (minimum for low end of range).
 - 2. Screw Holding:
 - a. Face: 225 lb (minimum).
 - b. Edge: 202 lb (minimum).
- B. Medium Density Fiberboard (MDF): ANSI A208.2; type as specified in AWI/AWMAC/WI (AWS); composed of cellulosic fibers pressure bonded with moisture resistant adhesive to suit application; sanded faces; thicknesses as specified under AWI/AWMAC/WI (AWS) Section 10.4.7 for each component type.
 - 1. Use for cabinet and countertop components, including cabinet backs (1/2" min.) and drawer bottoms (1/2" min.), unless another material is indicated on drawings.
 - 2. Use as core for decorative laminate-faced panels unless otherwise indicated.

2.04 LAMINATE MATERIALS

- A. Manufacturers:
 - 1. Formica Corporation: www.formica.com.
 - 2. Lamin-Art, Inc.: www.laminart.com.
 - 3. Panolam Industries International, Inc: www.panolam.com/#sle.
 - 4. Wilsonart LLC: www.wilsonart.com.
- B. High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.
- C. Provide specific types as indicated.
 - 1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, through color, color as selected, finish as indicated.
 - 2. Vertical Surfaces: VGS, 0.028 inch nominal thickness, through color, color as selected, finish as indicated.
 - 3. Cabinet Liner: CLS, 0.020 inch nominal thickness, through color, finish as indicated.
 - 4. Laminate Backer: BKL, nominal thickness to match that of opposing face sheet, undecorated; for application to concealed backside of panels faced with high pressure decorative laminate.

2.05 COUNTERTOPS

- A. Countertops: See Section 12 36 00.

2.06 ACCESSORIES

- A. Adhesive: Type recommended by fabricator to suit application.
- B. Plastic Edgebanding: Extruded 3mm PVC or ABS, flat shaped; smooth finish; bonded to edge of component; of width to match component thickness. Provide "flexible" PVC material for curved component edges.
 - 1. Manufacturers:
 - a. Charter Industries: www.charterindustries.com.
 - b. EdgeCo, Inc.: www.edgecoinc.com.
 - c. Frama-Tech, Inc.: www.framatech.net.
 - d. Teknaform: www.teknaform.com.
 - 2. Color: As shown on drawings.
 - 3. Use at exposed edges of shelves, cabinet doors, and cabinet drawers.
- C. Fasteners: Size and type to suit application.
- D. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; galvanized or chrome-plated finish in concealed locations and stainless steel or chrome-plated finish in exposed locations.
- E. Concealed Joint Fasteners: Threaded steel.

2.07 HARDWARE

- A. Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards or multiple holes for pin supports and coordinated self rests, polished chrome finish, for nominal 1 inch spacing adjustments.
 - 1. Manufacturer: Knap & Vogt Manufacturing Company: www.kv.com.
 - 2. Standards: #255 ZC zinc coated steel pilaster strips.
 - 3. Support Clips for Standards: #239 ZC zinc-plated steel.
 - 4. Pin Supports for drilled holes: #333 ZC zinc-plated steel.
 - 5. Use for adjustable shelving within cabinet assemblies.
 - 6. Other acceptable manufacturers:
 - a. John Sterling Company: www.johnsterling.com.
- B. Adjustable Shelf Supports: Standard back-mounted system using surface mounted metal shelf standards and coordinated cantilevered shelf brackets, for nominal 1 inch spacing adjustments.
 - 1. Heavy Duty Standards and Brackets:
 - a. Product: #85 standards and #185 brackets manufactured by Knap & Vogt Manufacturing Company: www.kv.com.
 - b. Finish: Electroplated, Anachrome.
 - c. Use for wall-attached adjustable shelving
- C. Shelf Support Brackets: Fixed, L-shaped, corner reinforced, face-of-stud mounting.
 - 1. Materials: Formed steel shapes.
 - a. Finish: Manufacturer's standard, factory-applied, textured powder coat.
 - 2. Materials: Formed stainless steel shapes with brushed finish.
 - 3. Materials: Formed aluminum shapes.
 - 4. Height: 5 inches.
 - 5. Support Length: 12 inches.

- D. Shelf and Rod Supports: Standard back-mounted system using surface mounted metal shelf brackets, white finish, for nominal 1 inch spacing adjustments.
1. Product: #1195 WH Heavy Duty Shelf and Rod Support manufactured by Knappe & Vogt Manufacturing Company: www.kv.com.
 2. Product: #RP-0045-WT manufactured by John Sterling Corporation: www.johnsterling.com.
 3. Product: #858-WH manufactured by EPCO Sales, LLC: www.epcohardware.com.
 4. Closet Rods: 1-5/16" o.d. chromed steel tubing. Provide support flanges at each end.
 5. Use for closet shelves and rods.
- E. Drawer and Door Pulls: "U" shaped 10 mm dia. steel wire pull, with nickel plated matte finish, 96 mm centers. Provide two (2) pulls for drawers greater than 24 inches wide.
1. Product: 116.09.617 or 116.09.617.AL manufactured by Hafele America Co.: www.hafele.com.
- F. Drawer Slides:
1. Type: Full extension.
 2. Static Load Capacity: Commercial grade; 100 pounds, minimum.
 3. Mounting: Side mounted.
 4. Stops: Positive type.
 5. Features: Provide self closing/stay closed type, with lever disconnect and vertical drawer adjustment.
 6. Manufacturers:
 - a. Accuride International, Inc: www accuride.com.
 - b. Grass America Inc: www.grassusa.com.
 - c. Knappe & Vogt Manufacturing Company: www.knappeandvogt.com.
 - d. Substitutions: See Section 01 60 00 - Product Requirements.
- G. Door Hinges: European style concealed self-closing type, steel with satin finish, allowing 3-dimensional adjustment. Provide complete with black plastic cover caps, and manufacturer's recommended mounting plates with dowel inserts and fasteners.
1. Manufacturers:
 - a. Blum, Inc; CLIP top 170° Press-in #71T6580: www.blum.com.
 - b. Hardware Resources; 170 Degree Basic Clip On with Dowels #248.0M73.05: www.hardwareresources.com.
 - c. Substitutions: Not permitted.

2.08 FABRICATION

- A. Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
- B. Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
- C. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
- D. Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises.
1. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.

- 2. Cap exposed plastic laminate finish edges with plastic trim.
- E. Provide cutouts for fixtures and fittings. Verify locations of cutouts from on-site dimensions. Prime paint cut edges.
- F. Shop glaze glass materials using Interior Dry method; see Section 08 80 00.
- G. Hardware: Install hardware components in fabricator's shop. Carpenter installation of cabinet hardware components in field is not permitted.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify adequacy of backing and support framing.
- B. Verify location and sizes of utility rough-in associated with work of this section.

3.02 INSTALLATION

- A. Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- C. Use fixture attachments in concealed locations for wall mounted components.
- D. Use concealed joint fasteners to align and secure adjoining cabinet units.
- E. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
- F. Secure cabinets to floor using appropriate angles and anchorages.

3.03 ADJUSTING

- A. Test installed work for rigidity and ability to support loads.
- B. Adjust moving or operating parts to function smoothly and correctly. Clean sawdust from drawer slides. Re-grease slides after removing sawdust.
- C. Repair damaged and defective casework to eliminate defects functionally and visually. Where not possible to repair properly, replace casework.

3.04 CLEANING

- A. Clean casework, counters, shelves, hardware, fittings, and fixtures.
- B. Remove sawdust, leftover materials and other debris from within cabinets and drawers.

END OF SECTION

**SECTION 07 21 00
THERMAL INSULATION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Board insulation at interior face of existing exterior wall.

1.02 REFERENCE STANDARDS

- A. ASTM C578 - Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation 2022.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2023.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on product characteristics, performance criteria, and product limitations.
- C. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- D. Manufacturer's Installation Instructions: Include information on special environmental conditions required for installation and installation techniques.

1.04 FIELD CONDITIONS

- A. Do not install insulation adhesives when temperature or weather conditions are detrimental to successful installation.

PART 2 PRODUCTS

2.01 APPLICATIONS

- A. Insulation Inside Existing Exterior Wall: Extruded polystyrene (XPS) board.

2.02 FOAM BOARD INSULATION MATERIALS

- A. Extruded Polystyrene (XPS) Continuous Insulation (CI) Board: Comply with ASTM C578.
 - 1. Type and Compressive Resistance: Type IV, 25 psi (173 kPa), minimum.
 - 2. Flame Spread Index (FSI): Class A - 0 to 25, when tested in accordance with ASTM E84.
 - 3. Smoke Developed Index (SDI): 450 or less, when tested in accordance with ASTM E84.
 - 4. Type and Thermal Resistance, R-value: Type IV, 5.6 (0.98), minimum, per 1 inch thickness at 75 degrees F mean temperature.
 - 5. Board Size: 48 inch by 96 inch.
 - 6. Board Thickness: 2 inch.
 - 7. Board Edges: Shiplap, at long edges.
 - 8. Products:
 - a. DuPont de Nemours, Inc; Styrofoam Brand Ultra SL (Shiplap): building.dupont.com.
 - b. Owens Corning Corporation; Rigid Foam Insulation: www.ocbuildingspec.com.
 - c. Substitutions: See Section 01 60 00 - Product Requirements.

2.03 ACCESSORIES

- A. Insulation Fasteners: Impaling clip of unfinished steel with washer retainer and clips, to be adhered to surface to receive insulation, length to suit insulation thickness and substrate, capable of securely and rigidly fastening insulation in place.
- B. Nails or Staples: Steel wire; electroplated or galvanized; type and size to suit application.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrate, adjacent materials, and insulation materials are dry and that substrates are ready to receive insulation.
- B. Verify substrate surfaces are flat, free of irregularities.

3.02 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements for additional requirements.

3.03 PROTECTION

- A. Do not permit installed insulation to be damaged prior to its concealment.

END OF SECTION

**SECTION 07 91 00
PREFORMED JOINT SEALS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Precompressed foam seals.

1.02 RELATED REQUIREMENTS

1.03 REFERENCE STANDARDS

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's technical data sheets for each product, including chemical composition, movement capability, color availability, limitations on application, and installation instructions.
- C. Color Cards: For color selection.
- D. Samples for Color Selection: 4 inch long pieces of each color available; at least 2 samples of each color.
- E. Manufacturer's Qualification Statement.
- F. Installer's Qualification Statement.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified in this section with at least three years of documented experience.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Correct defective work within a two year period after Date of Substantial Completion.
- C. Warranty: Include coverage for installed sealers that fail to achieve watertight seal or exhibit loss of adhesion or cohesion.

PART 2 PRODUCTS

2.01 PRECOMPRESSED FOAM SEALS

- A. Precompressed Foam Seal: Comprised of urethane, modified-acrylic impregnated, open-cell polyurethane, or closed-cell neoprene foam impregnated with water-repellent, and with self-adhesive faces protected prior to installation by release paper.
 - 1. Color: To match existing storefront.
 - 2. Size as required to provide acoustical seal when installed.
 - 3. Measure size of existing joints before selecting seal width.

- 4. Applications:
 - a. End of partition wall to window (SHG).
- 5. Products:
 - a. EMSEAL Joint Systems, Ltd; QuietJoint: www.emseal.com/#sle.
 - b. Substitutions: Not permitted.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that joints are ready to receive this work.
- B. Measure joint dimensions and verify that seal products are of the correct size to properly seal the joints.

3.02 PREPARATION

- A. Properly prepare construction components adjacent to the work of this section to prevent damage and disfigurement due to this work.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's written instructions.
- B. Precompressed Foam Seals:
 - 1. Install only when ambient temperature is within recommended application temperature range of adhesive. Consult manufacturer when installing outside this temperature range.
 - 2. Prepare joints and install seals in accordance with manufacturer's written recommendations.
 - 3. Remove loose materials and foreign matter that could impair adhesion of sealant.
 - 4. Do not stretch precompressed seal; avoid joints except at corners, ends, and intersections; install with face 1/8 to 1/4 inch below adjoining surface.

3.04 CLEANING

- A. Clean adjacent soiled surfaces.

3.05 PROTECTION

- A. Protect joints from damage until adhesives have properly cured.

END OF SECTION

SECTION 07 92 00 JOINT SEALANTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Self-leveling pourable joint sealants.
- B. Joint backings and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 09 21 16 - Gypsum Board Assemblies: Sealing acoustical and sound-rated walls and ceilings.
- B. Section 09 30 00 - Tiling: Sealant between tile and plumbing fixtures and at junctions with other materials and changes in plane.

1.03 REFERENCE STANDARDS

- A. ASTM C794 - Standard Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants 2018 (Reapproved 2022).
- B. ASTM C919 - Standard Practice for Use of Sealants in Acoustical Applications 2022.
- C. ASTM C1087 - Standard Test Method for Determining Compatibility of Liquid-Applied Sealants with Accessories Used in Structural Glazing Systems 2016.
- D. ASTM C1193 - Standard Guide for Use of Joint Sealants 2016.
- E. SCAQMD 1168 - Adhesive and Sealant Applications 1989, with Amendment (2022).
- F. SWRI (VAL) - SWRI Institute Validated Products Directory Current Edition.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Submit manufacturer's technical datasheets for each product to be used; include the following:
 - 1. Physical characteristics, including movement capability, VOC content, hardness, cure time, and color availability.
 - 2. List of backing materials approved for use with the specific product.
 - 3. Substrates that product is known to satisfactorily adhere to and with which it is compatible.
 - 4. Substrates the product should not be used on.
 - 5. Substrates for which use of primer is required.
 - 6. Substrates for which laboratory adhesion and/or compatibility testing is required.
 - 7. Installation instructions, including precautions, limitations, and recommended backing materials and tools.
 - 8. Sample product warranty.
 - 9. Certification by manufacturer indicating that product complies with specification requirements.
 - 10. SWRI Validation: Provide currently available sealant product validations as listed by SWRI (VAL) for specified sealants.

- C. Product Data for Accessory Products: Submit manufacturer's technical data sheet for each product to be used, including physical characteristics, installation instructions, and recommended tools.
- D. Color Cards for Selection: Where sealant color is not specified, submit manufacturer's color cards showing standard colors available for selection.
- E. Samples for Verification: Where custom sealant color is specified, obtain directions from Architect/Engineer and submit at least two physical samples for verification of color of each required sealant.
- F. Preconstruction Laboratory Test Reports: Submit at least four weeks prior to start of installation.
- G. Executed warranty.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this section and with at least three years of documented experience.
- C. Preconstruction Laboratory Testing: Arrange for sealant manufacturer(s) to test each combination of sealant, substrate, backing, and accessories.
 1. Adhesion Testing: In accordance with ASTM C794.
 2. Compatibility Testing: In accordance with ASTM C1087.
 3. Allow sufficient time for testing to avoid delaying the work.
 4. Deliver sufficient samples to manufacturer for testing.
 5. Report manufacturer's recommended corrective measures, if any, including primers or techniques not indicated in product data submittals.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide 2-year manufacturer warranty for installed sealants and accessories that fail to achieve a watertight seal, exhibit loss of adhesion or cohesion, or do not cure. Complete forms in Owner's name and register with manufacturer.
- C. Extended Correction Period: Correct defective work within 2-year period commencing on Date of Substantial Completion.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Nonsag Sealants:
 1. Dow Corning Corporation: www.dowcorning.com/construction.
 2. Hilti, Inc: www.us.hilti.com.
 3. Master Builders Solutions by BASF: www.master-builders-solutions.basf.us/en-us.
 4. Momentive Performance Materials, Inc (formerly GE Silicones): www.momentive.com.
 5. Pecora Corporation: www.pecora.com.
 6. Sika Corporation: www.usa-sika.com.
 7. Tremco Commercial Sealants & Waterproofing: www.tremcosealants.com.

8. W.R. Meadows, Inc: www.wrmeadows.com.
9. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 JOINT SEALANT APPLICATIONS

A. Scope:

1. Interior Joints: Do not seal interior joints unless specifically indicated to be sealed. Interior joints to be sealed include, but are not limited to, the following items.
 - a. Joints between door, window, and other frames and adjacent construction.
 - b. In sound-rated wall and ceiling assemblies, gaps at electrical outlets, wiring devices, piping, and other openings; between wall/ceiling and other construction; and other flanking sound paths.
 - c. Joints between countertop back and side splashes and adjacent wall construction.
 - d. Joints between window sills and adjacent window and wall construction.
 - e. Joints between plumbing fixtures and adjacent construction.
 - f. Other joints indicated below.

B. Interior Joints: Use non-sag acrylic-urethane sealant, unless otherwise indicated.

1. Wall and Ceiling Joints in Wet Areas: Non-sag polyurethane sealant for continuous liquid immersion.
2. Floor Joints in Wet Areas: Non-sag polyurethane "non-traffic-grade" sealant suitable for continuous liquid immersion.
3. Joints between Fixtures in Wet Areas and Floors, Walls, and Ceilings: Mildew-resistant silicone sealant; clear.
4. Other Floor Joints: Self-leveling polyurethane "traffic-grade" sealant.

C. Interior Wet Areas: restrooms, kitchens, and food service areas; fixtures in wet areas include plumbing fixtures, food service equipment, countertops, cabinets, and other similar items.

D. Sound-Rated Assemblies: Walls and ceilings identified as STC-rated, sound-rated, or acoustical.

2.03 JOINT SEALANTS - GENERAL

- ### **A. Sealants and Primers: Provide products having lower volatile organic compound (VOC) content than indicated in SCAQMD 1168.**

2.04 ACCESSORIES

- ### **A. Backer Rod: Cylindrical cellular foam rod with surface that sealant will not adhere to, compatible with specific sealant used, and recommended by backing and sealant manufacturers for specific application.**
- ### **B. Backing Tape: Self-adhesive polyethylene tape with surface that sealant will not adhere to and recommended by tape and sealant manufacturers for specific application.**
- ### **C. Joint Cleaner: Noncorrosive and nonstaining type, type recommended by sealant manufacturer; compatible with joint forming materials.**

PART 3 EXECUTION

3.01 EXAMINATION

- #### **A. Verify that joints are ready to receive work.**

- B. Verify that backing materials are compatible with sealants.
- C. Verify that backer rods are of the correct size.

3.02 PREPARATION

- A. Remove loose materials and foreign matter that could impair adhesion of sealant.
- B. Clean joints, and prime as necessary, in accordance with manufacturer's instructions.
- C. Perform preparation in accordance with manufacturer's instructions and ASTM C1193.
- D. Mask elements and surfaces adjacent to joints from damage and disfigurement due to sealant work; be aware that sealant drips and smears may not be completely removable.

3.03 INSTALLATION

- A. Install this work in accordance with sealant manufacturer's requirements for preparation of surfaces and material installation instructions.
- B. Provide joint sealant installations complying with ASTM C1193.
- C. Install acoustical sealant application work in accordance with ASTM C919.
- D. Measure joint dimensions and size joint backers to achieve width-to-depth ratio, neck dimension, and surface bond area as recommended by manufacturer, except where specific dimensions are indicated.
- E. Install bond breaker backing tape where backer rod cannot be used.
- F. Install sealant free of air pockets, foreign embedded matter, ridges, and sags, and without getting sealant on adjacent surfaces.
- G. Do not install sealant when ambient temperature is outside manufacturer's recommended temperature range, or will be outside that range during the entire curing period, unless manufacturer's approval is obtained and instructions are followed.
- H. Nonsag Sealants: Tool surface concave, unless otherwise indicated; remove masking tape immediately after tooling sealant surface.

END OF SECTION

**SECTION 08 11 13
HOLLOW METAL DOORS AND FRAMES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Non-fire-rated hollow metal doors and frames.
- B. Hollow metal frames for wood doors.
- C. Bullet-resistant hollow metal doors and frames.

1.02 RELATED REQUIREMENTS

- A. Section 08 71 00 - Door Hardware.
- B. Section 08 80 00 - Glazing: Glass for doors and borrowed lites.

1.03 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design 2010.
- B. ANSI/SDI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames and Frame Anchors 2022.
- C. ANSI/SDI A250.6 - Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames 2020.
- D. ANSI/SDI A250.8 - Specifications for Standard Steel Doors and Frames (SDI-100) 2017.
- E. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames 2020.
- F. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- G. ASTM A1008/A1008M - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Required Hardness, Solution Hardened, and Bake Hardenable 2021a.
- H. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength 2018a.
- I. ASTM C143/C143M - Standard Test Method for Slump of Hydraulic-Cement Concrete 2020.
- J. ASTM C476 - Standard Specification for Grout for Masonry 2023.
- K. BHMA A156.115 - Hardware Preparation in Steel Doors and Steel Frames 2016.
- L. ICC A117.1 - Accessible and Usable Buildings and Facilities 2017.
- M. NAAMM HMMA 830 - Hardware Selection for Hollow Metal Doors and Frames 2002.
- N. NAAMM HMMA 831 - Hardware Locations for Hollow Metal Doors and Frames 2011.

- O. NAAMM HMMA 840 - Guide Specifications For Receipt, Storage and Installation of Hollow Metal Doors and Frames 2017.
- P. NAAMM HMMA 861 - Guide Specifications for Commercial Hollow Metal Doors and Frames 2014.
- Q. NAAMM HMMA 862 - Guide Specifications for Forced Entry/Bullet Resistant (FE/BR) Security Hollow Metal Doors and Frames 2021.
- R. SDI 117 - Manufacturing Tolerances for Standard Steel Doors and Frames 2023.
- S. UL 752 - Standard for Bullet-Resisting Equipment Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Materials and details of design and construction, hardware locations, reinforcement type and locations, anchorage and fastening methods, and finishes; and one copy of referenced standards/guidelines.
- C. Shop Drawings: Details of each opening, showing elevations, glazing, frame profiles, and any indicated finish requirements.
- D. Installation Instructions: Manufacturer's published instructions, including any special installation instructions relating to this project.
- E. Manufacturer's Certificate: Certification that products meet or exceed specified requirements.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years documented experience.
- B. Manufacturer Qualifications: Provide hollow metal doors and frames from SDI Certified manufacturer: <https://steeldoor.org/sdi-certified/#sle>.
- C. Maintain at project site copies of reference standards relating to installation of products specified.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Comply with NAAMM HMMA 840 or ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
- B. Protect with resilient packaging; avoid humidity build-up under coverings; prevent corrosion and adverse effects on factory applied painted finish.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Hollow Metal Doors and Frames:
 - 1. Ceco Door, an Assa Abloy Group company: www.assaabloydss.com.
 - 2. Curries, an Assa Abloy Group company: www.assaabloydss.com.
 - 3. Republic Doors, an Allegion brand: www.republicdoor.com.
 - 4. Steelcraft, an Allegion brand: www.allegion.com.

B. Bullet-Resistant, Commercial Security, and Detention Security Hollow Metal Doors and Frames:

1. Fleming Door Products, an Assa Abloy Group company: www.assaabloydss.com/#sle.
2. Mesker, dormakaba Group; BR Series Bullet-Resistant Doors and Frames: www.meskeropeningsgroup.com/#sle.
3. Republic Doors, an Allegion brand: www.republicdoor.com/#sle.
4. Security Metal Products Corporation, an Assa Abloy Group company: www.assaabloydss.com/#sle.
5. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 PERFORMANCE REQUIREMENTS

A. Requirements for Hollow Metal Doors and Frames:

1. Steel Sheet: Comply with one or more of the following requirements; galvanized steel complying with ASTM A653/A653M, cold-rolled steel complying with ASTM A1008/A1008M, or hot-rolled pickled and oiled (HRPO) steel complying with ASTM A1011/A1011M, commercial steel (CS) Type B, for each.
2. Accessibility: Comply with ICC A117.1 and ADA Standards.
3. Door Edge Profile: Manufacturers standard for application indicated.
4. Glazed Lights: Non-removable stops on non-secure side; sizes and configurations as indicated on drawings. Style: Manufacturer's standard.
5. Hardware Preparations, Selections and Locations: Comply with NAAMM HMMA 830 and NAAMM HMMA 831 or BHMA A156.115 and ANSI/SDI A250.8 (SDI-100) in accordance with specified requirements.
6. Zinc Coating for Typical Interior and/or Exterior Locations: Provide metal components zinc-coated (galvanized) and/or zinc-iron alloy-coated (galvanized) by the hot-dip process in accordance with ASTM A653/A653M, with manufacturer's standard coating thickness, unless noted otherwise for specific hollow metal doors and frames.
 - a. Based on SDI Standards: Provide at least A40/ZF120 (galvanized) when necessary, coating not required for typical interior door applications, and at least A60/ZF180 (galvanized) for corrosive locations.

B. Combined Requirements: If a particular door and frame unit is indicated to comply with more than one type of requirement, comply with the specified requirements for each type; for instance, an exterior door that is also indicated as being sound-rated must comply with the requirements specified for exterior doors and for sound-rated doors; where two requirements conflict, comply with the most stringent.

2.03 HOLLOW METAL DOORS

A. Interior Doors, Non-Fire-Rated:

1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
 - a. Level 3 - Extra Heavy-duty.
 - b. Physical Performance Level A, 1,000,000 cycles; in accordance with ANSI/SDI A250.4.
 - c. Model 1 - Full Flush; Seamless for corrosive locations.
 - d. Door Face Metal Thickness: 16 gauge, 0.053 inch, minimum.
 - e. Zinc Coating: A60/ZF180 galvanized coating; ASTM A653/A653M for corrosive locations.
2. Door Thickness: 1-3/4 inches, nominal.

3. Door Face Sheets: Flush.
 4. Door Finish: Factory primed and field finished.
- B. Bullet-Resistant Doors; Interior:
1. Based on SDI Standards: ANSI/SDI A250.8 (SDI-100).
 - a. Level 1 - Standard-duty.
 - b. Physical Performance Level C, 250,000 cycles; in accordance with ANSI/SDI A250.4.
 - c. Model 1 - Full Flush.
 - d. Door Face Metal Thickness: 20 gauge, 0.032 inch, minimum.
 2. Bullet Resistance: UL 752, Threat Level Rating - Level 4.
 3. Door Core Material: Manufacturers standard core material/construction in compliance with requirements.
 4. Door Thickness: As required to meet requirements indicated.
 5. Hinge Rail and Reinforcement: Non-beveled edge, reinforced with continuous steel channel, 12 gauge, 0.093 inch minimum metal thickness, welded at 5 inch on center maximum, and compatible with 4-1/2 inch full mortise template and continuous geared hinges.

2.04 HOLLOW METAL FRAMES

- A. Comply with standards and/or custom guidelines as indicated for corresponding door in accordance with applicable door frame requirements.
- B. Interior Door Frames, Non-Fire Rated: Face welded type; non-welded joints filled for seamless appearance.
 1. Frame Metal Thickness: 16 gauge, 0.053 inch, minimum.
 2. Frame Finish: Factory primed and field finished.
- C. Bullet-Resistant Door Frames: Comply with UL 752, with same level of bullet resistance as door; face welded construction, ground smooth, fully prepared and reinforced for hardware installation.
 1. Frame Metal Thickness: 16 gauge, 0.053 inch, minimum.
 2. Frame Finish: Factory primed and field finished.
- D. Provide mortar guard boxes for hardware cut-outs in frames to be installed in masonry or to be grouted.
- E. Frames in Masonry Walls: Size to suit masonry coursing with head member 4 inches high to fill opening without cutting masonry units.
- F. Frames Wider than 48 inches: Reinforce with steel channel fitted tightly into frame head, flush with top.

2.05 FINISHES

- A. Primer: Rust-inhibiting, complying with ANSI/SDI A250.10, door manufacturer's standard.
- B. Bituminous Coating: Cold-applied asphalt mastic, compounded for 15 mil, 0.015 inch dry film thickness (DFT) per coat; provide inert-type noncorrosive compound free of asbestos fibers, sulfur components, and other deleterious impurities.

2.06 ACCESSORIES

- A. Grout for Frames: Mortar grout complying with ASTM C476 with maximum slump of 4 inches as measured in accordance with ASTM C143/C143M for hand troweling in place; plaster grout and

thinner pumpable grout are prohibited.

B. Silencers: Resilient rubber, fitted into drilled hole; provide three on strike side of single door, three on center mullion of pairs, and two on head of pairs without center mullions.

C. Temporary Frame Spreaders: Provide for factory- or shop-assembled frames.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Verify that finished walls are in plane to ensure proper door alignment.

3.02 PREPARATION

- A. Coat inside of frames to be installed in masonry or to be grouted, with bituminous coating, prior to installation.

3.03 INSTALLATION

- A. Install doors and frames in accordance with manufacturer's instructions and related requirements of specified door and frame standards or custom guidelines indicated.
- B. Coordinate frame anchor placement with wall construction.
- C. Grout frames in masonry construction, using hand trowel methods; brace frames so that pressure of grout before setting will not deform frames.
- D. Install door hardware as specified in Section 08 71 00.
 - 1. Comply with recommended practice for hardware placement of doors and frames in accordance with ANSI/SDI A250.6 or NAAMM HMMA 861.
- E. Coordinate installation of electrical connections to electrical hardware items.
- F. Touch up damaged factory finishes.

3.04 TOLERANCES

- A. Clearances Between Door and Frame: Comply with related requirements of specified frame standards or custom guidelines indicated in accordance with SDI 117 or NAAMM HMMA 861.
- B. Maximum Diagonal Distortion: 1/16 inch measured with straight edge, corner to corner.

3.05 ADJUSTING

- A. Adjust for smooth and balanced door movement.

3.06 SCHEDULE

- A. Refer to Door and Frame Schedule on the Drawings.

END OF SECTION

**SECTION 08 14 16
FLUSH WOOD DOORS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Flush wood doors; flush configuration; non-rated.

1.02 RELATED REQUIREMENTS

- A. Section 08 11 13 - Hollow Metal Doors and Frames.
- B. Section 08 71 00 - Door Hardware.
- C. Section 08 80 00 - Glazing.

1.03 REFERENCE STANDARDS

- A. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition 2014, with Errata (2016).
- B. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards 2021, with Errata.
- C. ICC (IBC) - International Building Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. NEMA LD 3 - High-Pressure Decorative Laminates 2005.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Indicate door core materials and construction; veneer species, type and characteristics.
- C. Shop Drawings: Show doors and frames, elevations, sizes, types, swings, undercuts, beveling, blocking for hardware, factory machining, factory finishing, cutouts for glazing and other details.
- D. Samples: Submit two samples of door veneer, 9 by 12 inches in size illustrating wood grain, stain color, and sheen.
- E. Manufacturer's Installation Instructions: Indicate special installation instructions.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section, with not less than ten years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package, deliver and store doors in accordance with specified quality standard.
- B. Accept doors on site in manufacturer's packaging, and inspect for damage.
- C. Protect doors with resilient packaging sealed with heat shrunk plastic; do not store in damp or wet areas or areas where sunlight might bleach veneer; seal top and bottom edges with tinted sealer if

stored more than one week, and break seal on site to permit ventilation.

1.07 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Wood Veneer Faced Doors:

1. Graham Wood Doors: www.grahamdoors.com.
2. Oshkosh Door Company: www.oshkoshdoor.com.
3. VT Industries, Inc: www.vtindustries.com.
4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 DOORS

A. Doors: See drawings for locations and additional requirements.

1. Quality Standard: Custom Grade, Heavy Duty performance, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.

B. Interior Doors: 1-3/4 inches thick unless otherwise indicated; flush construction.

1. Provide solid core doors at each location.
2. Fire Rated Doors: Tested to ratings indicated on drawings in accordance with ICC (IBC) - Positive Pressure; Underwriters Laboratories Inc. (UL) or Intertek/Warnock Hersey (WHI) labeled without any visible seals when door is open.

2.03 DOOR AND PANEL CORES

A. Non-Rated Solid Core and 20 Minute Rated Doors: Type particleboard core (PC), plies and faces as indicated.

2.04 DOOR FACINGS

A. High Pressure Decorative Laminate (HPDL) Facing for Non-Fire-Rated Doors: NEMA LD 3, HGS; color(s) as indicated; textured, low gloss finish.

2.05 DOOR CONSTRUCTION

A. Fabricate doors in accordance with door quality standard specified.

B. Cores Constructed with stiles and rails:

C. Provide solid blocks at lock edge for hardware reinforcement.

1. Provide solid blocking for other throughbolted hardware.

D. Factory machine doors for hardware other than surface-mounted hardware, in accordance with hardware requirements and dimensions.

E. Factory fit doors for frame opening dimensions identified on shop drawings, with edge clearances in accordance with specified quality standard.

F. Provide edge clearances in accordance with the quality standard specified.

2.06 FINISHES - WOOD VENEER DOORS

- A. Finish work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), Section 5 - Finishing for grade specified and as follows:
 - 1. Transparent:
 - a. System - 2, Lacquer, Precatalyzed.
 - b. Stain: As selected by Architect/Engineer.
 - c. Sheen: Satin.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that opening sizes and tolerances are acceptable.
- C. Do not install doors in frame openings that are not plumb or are out-of-tolerance for size or alignment.

3.02 INSTALLATION

- A. Install doors in accordance with manufacturer's instructions and specified quality standard.
- B. Factory-Finished Doors: Do not field cut or trim; if fit or clearance is not correct, replace door.
- C. Use machine tools to cut or drill for hardware.
- D. Coordinate installation of doors with installation of frames and hardware.
- E. Coordinate installation of glazing.

3.03 TOLERANCES

- A. Comply with specified quality standard for fit and clearance tolerances.
- B. Comply with specified quality standard for telegraphing, warp, and squareness.

3.04 ADJUSTING

- A. Adjust doors for smooth and balanced door movement.
- B. Adjust closers for full closure.

3.05 SCHEDULE

- A. See Door and Frame Schedule on the Drawings.

END OF SECTION

SECTION 08 43 13
ALUMINUM-FRAMED STOREFRONTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aluminum-framed storefront, with vision glass.
- B. Door hardware.

1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.
- B. Section 08 71 00 - Door Hardware: Hardware items other than specified in this section.
- C. Section 08 80 00 - Glazing: Glass and glazing accessories.

1.03 REFERENCE STANDARDS

- A. AAMA CW-10 - Care and Handling of Architectural Aluminum from Shop to Site 2015.
- B. AAMA 501.2 - Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems 2015.
- C. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix) 2022.
- D. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate 2021a.
- E. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes 2021.
- F. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric) 2021.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide component dimensions, describe components within assembly, anchorage and fasteners, glass and infill, door hardware, and internal drainage details.
- C. Shop Drawings: Indicate system dimensions, framed opening requirements and tolerances, affected related work, expansion and contraction joint location and details, and field welding required.
- D. Design Data: Provide framing member structural and physical characteristics, engineering calculations, and dimensional limitations.
- E. Manufacturer's Certificate: Certify that the products supplied meet or exceed the specified requirements.

1.05 QUALITY ASSURANCE

- A. Designer Qualifications: Design structural support framing components under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed in the State in which the Project is located.
- B. Manufacturer Qualifications: Company specializing in performing work of type specified and with at least ten years of experience.
- C. Installer Qualifications: Company specializing in performing work of type specified and with at least five years of documented experience.
 - 1. Provide company, field supervisors, and installers that hold active ANSI accredited certifications in appropriate categories for work specified.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Handle products of this section in accordance with AAMA CW-10.
- B. Protect finished aluminum surfaces with wrapping. Do not use adhesive papers or sprayed coatings that bond to aluminum when exposed to sunlight or weather.

1.07 FIELD CONDITIONS

- A. Do not install sealants when ambient temperature is less than 40 degrees F. Maintain this minimum temperature during and 48 hours after installation.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Provide twenty year manufacturer warranty against excessive degradation of exterior finish. Include provision for replacement of units with excessive fading, chalking, or flaking.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Aluminum-Framed Storefronts:
 - 1. C.R. Laurence Company, Inc; U.S. Aluminum: www.crl-arch.com.
 - 2. EFCO Corporation: www.efcocorp.com.
 - 3. Kawneer North America; 451T with wide stile doors: www.kawneer.com.
 - 4. Pittco Architectural Metals Inc; TMS 114T: www.pittcometals.com.
 - 5. Tubelite, Inc; T14000 Series (Thermal-polyurethane casting) with wide stile doors: www.tubeliteinc.com.
 - 6. YKK AP America; YES 45 TU with Model 50D wide stile doors: www.ykkap.com.
 - 7. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 ALUMINUM-FRAMED STOREFRONT

- A. Aluminum-Framed Storefront: Factory fabricated, factory finished aluminum framing members with infill, and related flashings, anchorage and attachment devices.
 - 1. Glazing Rabbet: For 1 1/8 inch security glazing.
 - 2. Glazing Rabbet: For 1/4 inch monolithic glazing.
 - 3. Glazing Position: Centered (front to back).

4. Vertical Mullion Dimensions: 2 inches wide by 4-1/2 inches deep.
5. Finish: Superior performing organic coatings.
 - a. Factory finish all surfaces that will be exposed in completed assemblies.
 - b. Touch-up surfaces cut during fabrication so that no natural aluminum is visible in completed assemblies, including joint edges.
6. Finish Color: As selected by Architect from manufacturer's standard line.
7. Fabrication: Joints and corners flush, and hairline accurately fitted and secured; prepared to receive anchors and hardware; fasteners and attachments concealed from view; reinforced as required for imposed loads.
8. Movement: Allow for movement between storefront and adjacent construction, without damage to components or deterioration of seals.
9. Perimeter Clearance: Minimize space between framing members and adjacent construction while allowing expected movement.

2.03 COMPONENTS

- A. Aluminum Framing Members: Tubular aluminum sections.
 1. Framing members for interior applications need not be thermally broken.
 2. Glazing Stops: Flush.
- B. Glazing: See Section 08 80 00.
- C. Swing Doors: Glazed aluminum.
 1. Finish: Same as storefront.

2.04 MATERIALS

- A. Extruded Aluminum: ASTM B221 (ASTM B221M).
- B. Sheet Aluminum: ASTM B209/B209M.
- C. Fasteners: Stainless steel.
- D. Glazing Gaskets: Type to suit application to achieve weather, moisture, and air infiltration requirements.
- E. Glazing Accessories: See Section 08 80 00.
- F. Framing Accessory: Glazing channel aluminum pocket cap. Pre-finished to match existing aluminum storefront system.

2.05 FINISHES

- A. Superior Performing Organic Coatings System: Manufacturer's standard multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent polyvinylidene fluoride (PVDF) resin, and at least 80 percent of aluminum extrusion and panels surfaces having minimum total dry film thickness (DFT) of 1.2 mils, 0.0012 inch.
- B. Color: As selected by Architect/Engineer from manufacturer's standard range.
- C. Touch-Up Materials: As recommended by coating manufacturer for field application.

2.06 HARDWARE

- A. Other Door Hardware: See Section 08 71 00.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify dimensions, tolerances, and method of attachment with other work.
- B. Verify that storefront wall openings and adjoining water-resistive and/or air barrier seal materials are ready to receive work of this section.

3.02 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Attach to structure to permit sufficient adjustment to accommodate construction tolerances and other irregularities.
- C. Provide alignment attachments and shims to permanently fasten system to building structure.
- D. Align assembly plumb and level, free of warp or twist. Maintain assembly dimensional tolerances, aligning with adjacent work.
- E. Provide thermal isolation where components penetrate or disrupt building insulation.
- F. Install sill flashings. Turn up ends and edges; seal to adjacent work to form water tight dam.
- G. Where fasteners penetrate sill flashings, make watertight by seating and sealing fastener heads to sill flashing.
- H. Coordinate attachment and seal of perimeter air and vapor barrier materials.
- I. Pack fibrous insulation in shim spaces at perimeter of assembly to maintain continuity of thermal barrier.
- J. Install operating sash.
- K. Set thresholds in bed of sealant and secure.
- L. Install hardware using templates provided.
 - 1. See Section 08 71 00 for hardware installation requirements.
- M. Touch-up minor damage to factory applied finish; replace components that cannot be satisfactorily repaired.

3.03 TOLERANCES

- A. Maximum Variation from Plumb: 0.06 inch per 3 feet non-cumulative or 0.06 inch per 10 feet, whichever is less.
- B. Maximum Misalignment of Two Adjoining Members Abutting in Plane: 1/32 inch.

3.04 FIELD QUALITY CONTROL

- A. Water-Spray Test: Provide water spray quality test of installed storefront components in accordance with AAMA 501.2 during construction process and before installation of interior finishes.
 - 1. Perform a minimum of two tests in each designated area as indicated on drawings.
 - 2. Conduct tests in each area prior to 10 percent and 50 percent completion of this work.

3.05 ADJUSTING

- A. Adjust operating hardware and sash for smooth operation.

3.06 CLEANING

- A. Remove protective material from pre-finished aluminum surfaces.
- B. Wash down surfaces with a solution of mild detergent in warm water, applied with soft, clean wiping cloths, and take care to remove dirt from corners and to wipe surfaces clean.
- C. Remove excess sealant by method acceptable to sealant and framing manufacturers.

3.07 PROTECTION

- A. Protect installed products from damage until Date of Substantial Completion.

END OF SECTION

**SECTION 08 56 53
SECURITY WINDOWS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Security transaction windows with pass-through device.

1.02 RELATED REQUIREMENTS

- A. Section 04 20 00 - Unit Masonry: Installation of anchorage items embedded in masonry.
- B. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.
- C. Section 08 11 13 - Hollow Metal Doors and Frames: Interior, non-ballistic- and non-forced-entry-rated steel windows.
- D. Section 09 21 16 - Gypsum Board Assemblies: Bullet-resistant sheathing and wallboard for bullet-resistant partitions and walls.
- E. Section 09 91 23 - Interior Painting: Field painting.

1.03 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum 2020.
- B. UL 752 - Standard for Bullet-Resisting Equipment Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Furnish anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, to be embedded into concrete or masonry, with setting diagrams and installation, to applicable installer in time for installation.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's published data showing materials, construction details, dimensions of components, and finishes.
- C. Shop Drawings: Drawings prepared specifically for this project, showing plans, elevations, sections, details of construction, anchorage to other work, hardware, and glazing.
 - 1. For existing openings show verified field dimensions.
- D. Samples for Selection of Applied Finishes: Color charts for factory finishes.
- E. Coordination Drawings: For each window opening, show locations and details of items necessary to anchor windows that must be installed by others, in sufficient detail that installer of those items can do so correctly without reference to the actual window itself.
- F. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements for additional provisions.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Firm with at least 5 years experience in the manufacture of windows of the type specified and able to provide test reports showing that their standard manufactured products meet the specified requirements; custom designed products not acceptable.
- B. Testing Agency Qualifications: Independent testing agency able to show experience in conducting tests of the type specified and:
- C. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

1.07 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Provide manufacturer's warranty agreeing to repair or replace windows and window components that fail within three years after Date of Substantial Completion due to, but not limited to, the following:
 - 1. Structural failure, failure of welds, and deterioration of metals and finishes beyond that expected under detention use and normal weathering.
 - 2. Failure of glazing due to excessive deflection of supporting members under wind load.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Security Transaction Windows with Pass-Through Device:
 - 1. Quikserv: www.quikserv.com/#sle.
 - 2. Total Security Solutions: <https://www.tssbulletproof.com/>.
 - 3. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 ASSEMBLIES

- A. Security and Detention Windows:
 - 1. Dimensions, profiles, features, and performance specified and indicated on drawings are required; do not deviate unless specifically approved by Architect/Engineer under substitution procedures; see Section 01 60 00.
 - 2. Design to fit openings indicated on drawings; design to accommodate deviation of actual construction from dimensions indicated on drawings.
 - 3. Fabricate frames and sash with corners mitered or coped full depth with concealed welded joints.
 - 4. Design anchorages to provide performance equivalent to that required for window unit; provide anchorages at least equivalent to those by which the tested units were anchored to the test frame.
 - 5. Separate dissimilar metals to prevent corrosion by galvanic action by painting contact surfaces with primer or with sealant or tape recommended by manufacturer for the purpose.
 - 6. Weld components before finishing and in concealed locations, to greatest extent possible; minimize distortion and discoloration of finish; remove residue of welding; grind exposed welds smooth and finish to match.
 - 7. Label units to indicate which side is which, such as inside/outside or secure/non-secure; use labels that are removable after installation but durable enough not to be lost during delivery,

storage, handling, and installation.

2.03 SECURITY TRANSACTION WINDOWS WITH PASS-THROUGH DEVICE

- A. Security Transaction Windows with Pass-Through Device:
 - 1. Location: Built within interior wall, as indicated on drawings.
 - 2. Type of Use: As indicated on drawings.
 - 3. Ballistic Resistance: Tested to meet UL 752, Level 4.
 - 4. Window Type: Fixed.
 - a. Overall Window Frame Size: As indicated on drawings.
 - b. Frame Material: Aluminum.
 - 1) Finish: Natural anodized.
 - 5. Glazing: Single (monolithic), clear, and ballistic resistant.
 - a. Tempered safety glazing.
 - 6. Pass-Through Device: Deal Tray.
 - a. Material: Corrosion resistant.
 - b. Finish Color: As selected from manufacturer's standard colors.
 - 7. Counter Staging Area: Attendant-side.
 - 8. Communication: Standard talk-through portal.

2.04 ASSEMBLY COMPONENTS

- A. Frame Anchors: Mild steel plates, shapes, or bars, concealed in completed construction; provide anchorage devices as necessary to securely fasten windows to adjacent construction; use security fasteners for exposed anchors.
 - 1. For Setting in Masonry: Minimum 3/16 inch thick angles or plates, minimum 4 inches long with hooked ends, welded to back of window frame.
 - 2. Provide minimum of two anchors per side of window plus one additional anchor for each 18 inches or fraction thereof more than 36 inches in height or width.
- B. Glazing Seals: Factory installed; molded EPDM or neoprene compressible gaskets and compression strips.
- C. Deal Trays: Formed stainless steel, recessed into counter or sill for mounting under glazing frame.
 - 1. Style: Ricochet-resistant, with recessed bullet trap on secure side, with sliding cover.
 - 2. Clear Opening Height: 1-1/2 inches.
 - 3. Tray Dimensions: 16 by 10 inches, wide by deep.
 - 4. Listed and labeled by UL as bullet resisting to UL 752 same level as window.

2.05 FINISHES

- A. Class II Natural Anodized Finish: AAMA 611 AA-M12C22A31 Clear anodic coating not less than 0.4 mils thick.
- B. Color: As selected by Architect/Engineer from manufacturer's standard range.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that window openings are ready for installation of windows.

- B. Notify Architect/Engineer if conditions are not suitable for installation of windows; do not proceed until conditions are satisfactory.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions and drawing details.
- B. Install windows in correct orientation (inside/outside or secure/non-secure).
- C. Anchor windows securely in manner so as to achieve performance specified.
- D. Set sill members and sill flashing in continuous bead of sealant.

3.03 CLEANING

- A. Clean exposed surfaces promptly after installation without damaging finishes.
- B. Remove and replace defective work.

END OF SECTION

**SECTION 08 71 00
DOOR HARDWARE**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for wood, aluminum, and hollow metal doors.
- B. Electrically operated and controlled hardware.
 - 1. Communications/control wiring and final communications/control wiring connections to electrically operated and controlled hardware components.
- C. Keying of locks, keys, key management system, and key cabinet.
- D. Fire department lock box.

1.02 RELATED REQUIREMENTS

- A. Section 08 11 13 - Hollow Metal Doors and Frames.
- B. Section 08 14 16 - Flush Wood Doors.
- C. Section 08 43 13 - Aluminum-Framed Storefronts: Door hardware, except as noted in section.
- D. Section 28 10 00 - Access Control: Electronic access control devices.

1.03 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design 2010.
- B. BHMA (CPD) - Certified Products Directory Current Edition.
- C. BHMA A156.1 - Standard for Butts and Hinges 2021.
- D. BHMA A156.3 - Exit Devices 2020.
- E. BHMA A156.4 - Door Controls - Closers 2019.
- F. BHMA A156.6 - Standard for Architectural Door Trim 2021.
- G. BHMA A156.7 - Template Hinge Dimensions 2016.
- H. BHMA A156.8 - Door Controls - Overhead Stops and Holders 2021.
- I. BHMA A156.13 - Mortise Locks & Latches Series 1000 2022.
- J. BHMA A156.16 - Auxiliary Hardware 2018.
- K. BHMA A156.18 - Materials and Finishes 2020.
- L. BHMA A156.31 - Electric Strikes and Frame Mounted Actuators 2019.
- M. BHMA A156.36 - Auxiliary Locks 2020.
- N. BHMA A156.115 - Hardware Preparation in Steel Doors and Steel Frames 2016.
- O. BHMA A156.115W - Hardware Preparation in Wood Doors with Wood or Steel Frames 2006.
- P. DHI (H&S) - Sequence and Format for the Hardware Schedule 2019.

- Q. ICC A117.1 - Accessible and Usable Buildings and Facilities 2017.
- R. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- S. UL (DIR) - Online Certifications Directory Current Edition.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.
- C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; attendance is required by affected installers and the following:
 - 1. Architect/Engineer.
 - 2. Installer's Architectural Hardware Consultant (AHC).
 - 3. Hardware Installer.
 - 4. Owner's Security Consultant.
- D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- E. Keying Requirements Meeting:
 - 1. Schedule meeting at project site prior to Contractor occupancy.
 - 2. Attendance Required:
 - a. Contractor.
 - b. Owner.
 - c. Installer's Architectural Hardware Consultant (AHC).
 - d. Owner's Security Consultant.
 - 3. Agenda:
 - a. Establish keying requirements.
 - b. Verify locksets and locking hardware are functionally correct for project requirements.
 - c. Verify that keying and programming complies with project requirements.
 - d. Establish keying submittal schedule and update requirements.
 - 4. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:
 - a. Access control requirements.
 - b. Key control system requirements.
 - c. Schematic diagram of preliminary key system.
 - 5. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect/Engineer, Owner, participants, and those affected by decisions made.
 - 6. Deliver established keying requirements to manufacturers.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions,

finishes, and dimensions and profiles of individual components.

- C. Shop Drawings - Door Hardware Schedule: Submit detailed listing that includes each item of hardware to be installed on each door. Use door numbering scheme as included in Contract Documents.
 - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
 - 2. Comply with DHI (H&S) using door numbers and hardware set numbers as indicated in construction documents.
 - 3. List groups and suffixes in proper sequence.
 - 4. Provide complete description for each door listed.
 - 5. Provide manufacturer name, product names, and catalog numbers; include functions, types, styles, sizes and finishes of each item.
 - 6. Include account of abbreviations and symbols used in schedule.
- D. Shop Drawings - Electrified Door Hardware: Submit diagrams for power, signal, and control wiring for electrified door hardware that include details of interface with building safety and security systems. Provide elevations and diagrams for each electrified door opening as follows:
 - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC).
 - 2. Elevations: Submit front and back elevations of each door opening showing electrified devices with connections installed and an operations narrative describing how opening operates from either side at any given time.
 - 3. Diagrams: Submit point-to-point wiring diagram that shows each device in door opening system with related colored wire connections to each device.
- E. Keying Schedule:
 - 1. Submit three (3) copies of Keying Schedule in compliance with requirements established during Keying Requirements Meeting unless otherwise indicated.
- F. Installer's qualification statement.
- G. Supplier's qualification statement.
- H. Project Record Documents: Record actual locations of concealed equipment, services, and conduit.
- I. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Lock Cylinders: One for each master keyed group.
 - 3. Tools: One set of each special wrench or tool applicable for each different or special hardware component, whether supplied by hardware component manufacturer or not.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years of experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least five years of documented experience.
- C. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) and Electrified Hardware Consultant (EHC) to assist in work of this section.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Provide manufacturers' warranties against defects in material and workmanship for period indicated, from Date of Substantial Completion.
 - 1. Closers: Twenty-five years, minimum.
 - 2. Exit Devices: Three years, minimum.

PART 2 PRODUCTS

2.01 DESIGN AND PERFORMANCE CRITERIA

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide individual items of single type, of same model, and by same manufacturer.
- C. Provide door hardware products that comply with the following requirements:
 - 1. Applicable provisions of federal, state, and local codes.
 - 2. Accessibility: ADA Standards and ICC A117.1.
 - 3. Listed and certified compliant with specified standards by BHMA (CPD).
 - 4. Auxiliary Hardware: BHMA A156.16.
 - 5. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
 - 6. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
 - 7. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.
- D. Electrically Operated and/or Controlled Hardware: Provide necessary power supplies, power transfer hinges, relays, and interfaces as required for proper operation; provide wiring between hardware and control components and to building power connection in compliance with NFPA 70.
 - 1. See Section 28 10 00 for additional access control system requirements.
- E. Lock Function: Provide lock and latch function numbers and descriptions of manufacturer's series. See Door Hardware Schedule.
- F. Fasteners:
 - 1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
 - a. Aluminum fasteners are not permitted.
 - b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.

2.02 HINGES

- A. Manufacturers:
 - 1. McKinney; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 - 2. Bommer Industries, Inc: www.bommer.com/#sle.

3. D&D Technologies USA, Inc: www.ddtech.com/#sle.
4. Hager Companies: www.hagerco.com/#sle.
5. Pamex, Inc; Hinges: www.pamexinc.com/#sle.
6. Stanley, dormakaba Group: www.stanleyhardwarefordoors.com/#sle.

- B. Hinges: Comply with BHMA A156.1, Grade 1.
1. Butt Hinges: Comply with BHMA A156.1 and BHMA A156.7 for templated hinges.
 - a. Provide hinge width required to clear surrounding trim.
 2. Provide hinges on every swinging door.
 3. Provide five-knuckle full mortise butt hinges unless otherwise indicated.
 4. Provide following quantity of butt hinges for each door:
 - a. Doors From 60 inches High up to 90 inches High: Three hinges.

2.03 EXIT DEVICES

- A. Manufacturers:
1. Corbin Russwin, Sargent, or Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 2. DORMA USA, Inc; 8000 Series: www.dorma.com/#sle.
 3. Precision, dormakaba Group: www.precisionhardware.com/#sle.
 4. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Exit Devices: Comply with BHMA A156.3, Grade 1.
1. Lever design to match lockset trim.
 2. Provide cylinder with cylinder dogging or locking trim.
 3. Provide exit devices properly sized for door width and height.
 4. Provide strike as recommended by manufacturer for application indicated.
 5. Provide UL (DIR) listed exit device assemblies for fire-rated doors and panic device assemblies for non-fire-rated doors.

2.04 ELECTRIC STRIKES

- A. Manufacturers:
1. Adams Rite, HES, or Securitron; an Assa Abloy Group company: www.assaabloydss.com/#sle.
 2. Pamex, Inc; Electric Strikes: www.pamexinc.com/#sle.
 3. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Electric Strikes: Comply with BHMA A156.31, Grade 1.
1. Provide UL (DIR) listed burglary-resistant electric strike; style to suit locks.
 2. Provide non-handed 24 VDC electric strike suitable for door frame material and scheduled lock configuration.
 3. Provide field selectable Fail Safe/Fail Secure modes.

2.05 LOCK CYLINDERS

- A. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.
1. Provide cylinders from same manufacturer as locking device.
 2. Provide cams and/or tailpieces as required for locking devices.

2.06 MORTISE LOCKS

A. Manufacturers:

1. Corbin Russwin, Sargent, or Yale; an Assa Abloy Group company:
www.assaabloydss.com/#sle.
2. DORMA USA, Inc; M9000 Series: www.dorma.com/#sle.
3. Substitutions: See Section 01 60 00 - Product Requirements.

B. Mortise Locks: Comply with BHMA A156.13, Grade 1, Security, 1000 Series.

1. Latchbolt Throw: 3/4 inch, minimum.
2. Deadbolt Throw: 1 inch, minimum.
3. Backset: 2-3/4 inch unless otherwise indicated.
4. Strikes: Provide manufacturer's standard strike for each latchset or lockset with strike box and curved lip extending to protect frame in compliance with indicated requirements.
 - a. Finish: To match lock or latch.

2.07 AUXILIARY LOCKS (DEADLOCKS)

A. Manufacturers:

1. Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
2. Best, dormakaba Group: www.bestaccess.com/#sle.
3. DORMA USA, Inc; D800 Series and DB600 Series: www.dorma.com/#sle.
4. Substitutions: See Section 01 60 00 - Product Requirements.

B. Auxiliary Locks (Deadlocks): Comply with BHMA A156.36, Grade 1.

1. Type: Bored (cylindrical).
2. Application: Bored.
3. Backset: 2-3/4 inch, unless otherwise indicated.
4. Bolt Throw: 1/2 inch, with latch made of hardened steel.
5. Provide strike that matches frame.

2.08 DOOR PULLS AND PUSH BARS

A. Manufacturers:

1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
2. Hiawatha, Inc, division of Activar Construction Products Group, Inc:
www.activarcpg.com/hiawatha/#sle.
3. Trimco: www.trimcohardware.com/#sle.
4. Substitutions: See Section 01 60 00 - Product Requirements.

B. Door Pulls and Push Bars: Comply with BHMA A156.6.

1. Bar Type: Bar set, unless otherwise indicated.
2. Material: Aluminum, unless otherwise indicated.

2.09 CLOSERS

A. Manufacturers; Surface Mounted:

1. Norton, Sargent, or Yale; an Assa Abloy Group company: www.assaabloydss.com/#sle.
2. LCN, an Allegion brand: www.allegion.com/us/#sle.

3. Substitutions: See Section 01 60 00 - Product Requirements.

B. Closers: Comply with BHMA A156.4, Grade 1.

1. Type: Surface mounted to door.
2. At corridor entry doors, mount closer on room side of door.

2.10 OVERHEAD STOPS AND HOLDERS

A. Manufacturers:

1. Rixson or Sargent; an Assa Abloy Group company: www.assaabloydss.com/#sle.
2. DORMA USA, Inc; 900 Series: www.dorma.com/#sle.
3. Substitutions: See Section 01 60 00 - Product Requirements.

B. Overhead Stops and Holders (Door Checks): Comply with BHMA A156.8, Grade 1.

2.11 PROTECTION PLATES

A. Manufacturers:

1. Rockwood; an Assa Abloy Group company: www.assaabloydss.com/#sle.
2. Hager Companies: www.hagerco.com/#sle.
3. Ives, an Allegion brand: www.allegion.com/us/#sle.
4. Trimco: www.trimcohardware.com/#sle.
5. Substitutions: See Section 01 60 00 - Product Requirements.

B. Protection Plates: Comply with BHMA A156.6.

C. Metal Properties: Aluminum material.

1. Metal, Heavy Duty: Thickness 0.062 inch, minimum.

D. Edges: Beveled, on four sides unless otherwise indicated.

E. Fasteners: Countersunk screw fasteners.

2.12 KICK PLATES

A. Kick Plates: Provide along bottom edge of push side of every door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.

1. Size: 8 inch high by 2 inch less door width (LDW) on push side of door.

2.13 WALL STOPS

A. Wall Stops: Comply with BHMA A156.16, Grade 1 and Resilient Material Retention Test as described in this standard.

1. Provide wall stops to prevent damage to wall surface upon opening door.
2. Type: Bumper, concave, wall stop.
3. Material: Aluminum housing with rubber insert.

2.14 SILENCERS

A. Silencers: Provide at equal locations on door frame to mute sound of door's impact upon closing.

1. Single Door: Provide three on strike jamb of frame.
2. Pair of Doors: Provide two on head of frame, one for each door at latch side.
3. Material: Rubber, gray color.

2.15 FINISHES

- A. Finishes: Provide door hardware of same finish, unless otherwise indicated.
 - 1. Primary Finish: 625; bright chromium plated over nickel, with brass or bronze base material (former US equivalent US26); BHMA A156.18.
 - 2. Secondary Finish: 626; satin chromium plated over nickel, with brass or bronze base material (former US equivalent US26D); BHMA A156.18.
 - a. Use secondary finish in kitchens, bathrooms, and other spaces containing chrome or stainless steel finished appliances, fittings, and equipment; provide primary finish on one side of door and secondary finish on other side if necessary.
 - 3. Exceptions:
 - a. Where base material metal is specified to be different, provide finish that is an equivalent appearance in accordance with BHMA A156.18.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.
- B. Verify that electric power is available to power operated devices and of correct characteristics.

3.02 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Use templates provided by hardware item manufacturer.
- C. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.
- D. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

3.03 FIELD QUALITY CONTROL

- A. Perform field inspection and testing under provisions of Section 01 40 00 - Quality Requirements.

3.04 ADJUSTING

- A. Adjust work under provisions of Section 01 70 00 - Execution and Closeout Requirements.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.05 CLEANING

3.06 PROTECTION

- A. Protect finished Work under provisions of Section 01 70 00 - Execution and Closeout Requirements.

B. Do not permit adjacent work to damage hardware or finish.

END OF SECTION

**SECTION 08 80 00
GLAZING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Glazing units.
- B. Laminated glass interlayers.
- C. Glazing compounds.

1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 - Joint Sealants: Sealants for other than glazing purposes.
- B. Section 08 43 13 - Aluminum-Framed Storefronts: Glazing provided as part of storefront assembly.
- C. Section 08 56 53 - Security Windows: Glazing provided as part of security assembly.

1.03 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials Current Edition.
- B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test 2015 (Reaffirmed 2020).
- C. ASTM C864 - Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers 2005 (Reapproved 2019).
- D. ASTM C1036 - Standard Specification for Flat Glass 2021.
- E. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass 2018.
- F. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass 2019.
- G. ASTM C1193 - Standard Guide for Use of Joint Sealants 2016.
- H. ASTM C1349 - Standard Specification for Architectural Flat Glass Clad Polycarbonate 2017.
- I. GANA (SM) - GANA Sealant Manual 2008.
- J. UL 752 - Standard for Bullet-Resisting Equipment Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements, and identify available colors.
- C. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years documented experience.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Laminated Glass: Provide a five (5) year manufacturer warranty to include coverage for delamination, including providing products to replace failed units.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Glass Fabricators:
 - 1. GGI - General Glass International: www.generalglass.com/#sle.
 - 2. Standard Bent Glass Corp: www.standardbent.com/#sle.
 - 3. Tecnoglass; Insulating Glass: www.tecnoglass.com/#sle.
 - 4. Thompson I.G., LLC: www.thompsonig.com/#sle.
 - 5. Trulite Glass & Aluminum Solutions, LLC: www.trulite.com/#sle.
 - 6. Viracon, Inc: www.viracon.com/#sle.
 - 7. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Laminated Glass Manufacturers:
 - 1. Cardinal Glass Industries: www.cardinalcorp.com/#sle.
 - 2. Tecnoglass; Laminated Glass: www.tecnoglass.com/#sle.
 - 3. Thompson I.G., LLC; Laminated Glass: www.thompsonig.com/#sle.
 - 4. Viracon, Architectural Glass segment of Apogee Enterprises, Inc: www.viracon.com/#sle.
 - 5. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 GLASS MATERIALS

- A. Float Glass: Provide float glass based glazing unless otherwise indicated.
 - 1. Annealed Type: ASTM C1036, Type I - Transparent Flat, Class 1 - Clear, Quality - Q3.
 - 2. Kind HS - Heat-Strengthened Type: Complies with ASTM C1048.
 - 3. Kind FT - Fully Tempered Type: Complies with ASTM C1048.
 - a. Complies with ANSI Z97.1 or 16 CFR 1201 criteria for safety glazing used in hazardous locations.
 - b. Complies with ANSI Z97.1 - Class A and 16 CFR 1201 - Category II criteria.
 - 4. Thicknesses: As indicated; provide greater thickness as required for exterior glazing wind load design.
- B. Laminated Glass: Float glass laminated in accordance with ASTM C1172.
 - 1. Laminated Safety Glass: Complies with ANSI Z97.1 - Class B or 16 CFR 1201 - Category I impact test requirements.

2.03 GLAZING UNITS

- A. Type FG1 - Monolithic Interior Vision Glazing:
 - 1. Applications: Interior glazing unless otherwise indicated.
 - 2. Glass Type: Fully tempered float glass.
 - 3. Tint: Clear.
 - 4. Thickness: 1/4 inch, nominal.
 - 5. Glazing Method: Dry glazing method, gasket glazing.

- B. Type BG1 - Glass-Clad Polycarbonate Security Glazing: Laminated glass and polycarbonate, 2-Ply; ASTM C1349.
 - 1. Applications: Locations as indicated on drawings.
 - 2. Tint: Clear.
 - 3. Thickness: 1-1/8 inch.
 - 4. Outer Lite: Tempered glass.
 - 5. Interlayer: Polyvinyl butyral (PVB), thickness as required to meet performance criteria.
 - 6. Middle Lite: Tempered glass.
 - 7. Interlayer , Inboard Side : Polyvinyl butyral (PVB), thickness as required to meet performance criteria.
 - 8. Inside Lite: Polycarbonate.
 - 9. Performance Criteria:
 - a. Bullet Resistance: Pass UL 752 tests in compliance with ballistic criteria level and weapon description indicated; Level 4 - .30 caliber rifle lead core.
 - 10. Visible Light Transmittance (VLT): 75 percent, nominal.
 - 11. Glazing Method: As required to meet performance criteria.
 - 12. Manufacturers:
 - a. Total Security Solutions: www.tssbulletproof.com.
 - b. Insulgard Security Products: www.insulgard.com.
 - c. Substitutions: See Section 01 60 00 - Product Requirements.

2.04 ACCESSORIES

- A. Setting Blocks: Silicone, with 80 to 90 Shore A durometer hardness; ASTM C864 Option II. Length of 0.1 inch for each square foot of glazing or minimum 4 inch by width of glazing rabbet space minus 1/16 inch by height to suit glazing method and pane weight and area.

- B. Glazing Splines: Resilient silicone extruded shape to suit glazing channel retaining slot; ASTM C864 Option II; color black.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

- A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.

- B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.

- C. Verify that sealing between joints of glass framing members has been completed effectively.

3.02 PREPARATION

- A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.
- C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.

3.03 INSTALLATION, GENERAL

- A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers, unless more stringent requirements are indicated, including those in glazing referenced standards.
- B. Install glazing sealants in accordance with ASTM C1193, GANA (SM), and manufacturer's instructions.
- C. Do not exceed edge pressures around perimeter of glass lites as stipulated by glass manufacturer.
- D. Set glass lites of system with uniform pattern, draw, bow, and similar characteristics.
- E. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.
- F. Prevent glass from contact with any contaminating substances that may be the result of construction operations such as, and not limited to the following; weld splatter, fire-safing, plastering, mortar droppings, etc.

3.04 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING)

- A. Application - Exterior and/or Interior Glazed: Set glazing infills from either the exterior or the interior of the building.
- B. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners.
- C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.
- D. Install removable stops without displacing glazing gasket; exert pressure for full continuous contact.

3.05 INSTALLATION - PLASTIC FILM

- A. Install plastic film with adhesive, applied in accordance with film manufacturer's instructions.
- B. Place without air bubbles, creases or visible distortion.
- C. Install film tight to perimeter of glass and carefully trim film with razor sharp knife. Provide 1/16 inch to 1/8 inch gap at perimeter of glazed panel unless otherwise required. Do not score the glass.

3.06 FIELD QUALITY CONTROL

- A. Glass and Glazing product manufacturers to provide field surveillance of the installation of their products.

B. Monitor and report installation procedures and unacceptable conditions.

3.07 CLEANING

A. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.

B. Remove nonpermanent labels immediately after glazing installation is complete.

C. Clean glass and adjacent surfaces after sealants are fully cured.

D. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.

3.08 PROTECTION

A. After installation, mark pane with an 'X' by using removable plastic tape or paste; do not mark heat absorbing or reflective glass units.

B. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

END OF SECTION

SECTION 08 88 36.16
ELECTRONICALLY CONTROLLED SWITCHABLE GLASS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Electronically controlled (EC) switchable privacy laminated glass units (LGU) and associated system controls.

1.02 RELATED REQUIREMENTS

- A. Section 08 43 13 - Aluminum-Framed Storefronts: Supporting framework for EC tintable IGU.
- B. Section 26 05 83-Wiring Connections

1.03 ABBREVIATIONS AND ACRONYMS

- A. EC - Electronically Controlled.
- B. IGU - Insulating Glass Units.
- C. LGU - Laminated Glass Units.

1.04 DEFINITIONS

- A. Bite: Width that edge of glass product is engaged into glazing channel.
- B. Busbar: Thin narrow strip of metal that conducts electricity, and is used to apply voltage across the EC surface of switchable glass or film.
- C. Fenestration: Openings in building's envelope including windows, doors, and skylights.
- D. Frame Cable: Cable that runs through framing system and connects EC glass pigtail to low voltage wiring system of building.
- E. Framing System: Metal supporting structure of EC glazing system.
- F. Glazing Performance Characteristics and Criteria for EC Laminated Glass Units (LGU):
 - 1. Privacy Mode: Natural (Off) state, with lowest visible light transmission.
 - 2. Non-Privacy Mode: Active (On) state, with highest visible light transmission.
- G. Laminated Glass: Two sheets of monolithic glass bonded together with interlayer sheet by heat and pressure.
- H. Pigtail: Electrical leads that extends from individual EC tintable IGU or LGU.

1.05 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials Current Edition.
- B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test 2015 (Reaffirmed 2020).
- C. ASTM C1036 - Standard Specification for Flat Glass 2021.
- D. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass 2018.

- E. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass 2019.
- F. ASTM C1184 - Standard Specification for Structural Silicone Sealants 2018, with Editorial Revision.
- G. GANA (GIB 01-0300) - Glass Informational Bulletin (Proper Procedures for Cleaning Architectural Glass Products) 2010.
- H. GANA (GIB TD-02-0402) - Glass Informational Bulletin (Heat-Treated Glass Surfaces are Different) 2018.
- I. GANA (GM) - GANA Glazing Manual 2022.
- J. IGMA TM-3000 - North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial & Residential Use 1990 (2016).
- K. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.
- L. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.06 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate installation of EC switchable glass as required for project configuration with following related building elements:
 1. Cables in framing system of exterior fenestration.
 2. Cables in wall and ceiling systems.
 3. Control system components.
 4. Electrical power supply.
- B. Preinstallation Meeting: Conduct preinstallation meeting one week prior to start of this Work to review procedures, schedules, safety, and coordination with other elements of project; attendance required by the following:
 1. Owner's Representative.
 2. Architect/Engineer.
 3. EC switchable glass manufacturer's representative.
 4. Manufacturer's representatives for systems that require an interface with this Work.
 5. Other installers affected by this Work.

1.07 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's product data sheets including installation instructions.
- C. Shop Drawings: Submit the following for EC switchable glass overall system in accordance with project configuration indicated.
 1. Support Framing System: Include framing system and accommodations for cables, components, cable routing, location of connectors, and exits from framing system.
 2. Control System: Indicate location of system components, proposed routing of system cabling, and associated power requirements.
 - a. Include schematic wiring diagram showing field connections.

- 3. Individual Pane Zoning Layout: Indicate EC tintable zones for IGU as required for project.
- D. Samples: One EC switchable glass samples, with each achieving two end states, and no intermediate states.
- E. Designer's qualification statement.
- F. Manufacturer's qualification statement.
- G. Installer's qualification statement.

1.08 QUALITY ASSURANCE

- A. Designer Qualifications: Perform design under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- C. Installer Qualifications: Company specializing in performing work specified in this section, with at least five years of documented experience and approved by manufacturer.

1.09 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's instruction for receiving, handling, storing, and protecting materials.
- B. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Store materials in original packaging, protected from exposure to harmful environmental conditions including static electricity, and at temperature and humidity conditions recommended by manufacturer.
- D. Exercise care to prevent edge damage to glass, wiring, and coatings on glass.

1.10 FIELD CONDITIONS

- A. Ambient Conditions: Ensure that substrate surface and ambient air temperature are at least 40 degrees F and rising, and remain above that temperature for at least 24 hours after application of sealants.
- B. Maintain ambient temperature at greater than 32 degrees F during installation of system related cabling.
- C. Provide an activated climate-controlled interior environment for installation of EC switchable glass control system components.

1.11 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide five-year manufacturer warranty for EC switchable glass units with laminated glass products against lamination defects, including edge separation or delamination that materially obstruct vision through the glass. Complete forms in Owner's name and register with manufacturer.

- C. Manufacturer Warranty: Provide two-year manufacturer warranty for EC tintable controls against defects in material or workmanship. Complete forms in Owner's name and register with manufacturer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. EC Switchable Privacy Laminated Glass Units (LGU):
 - 1. Manufacturers:
 - a. Goldray Industries, Inc; QuickFrost: www.goldrayglass.com/#sle.
 - b. McGrory Glass, Inc; ElectraView by McGrory Glass: www.mcgrory.com/#sle.
 - c. Privacy Glass Solutions; Clarity: www.privacyglassolutions.com/#sle.
 - d. Thompson I.G., LLC; Interior Switchable Privacy Glass: www.thompsonig.com/#sle.
 - e. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 PERFORMANCE REQUIREMENTS

2.03 CONTROLS

- A. Unless specifically indicated to be excluded, provide required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, and system programming, etc. as necessary for a complete EC switchable glass and film operating system.
- B. Provide control system and associated components that achieve system control requirements described under PERFORMANCE REQUIREMENTS article above.
- C. Manual Control Switches:
 - 1. Allows selection of full tint and full clear.
 - 2. Provides indication of current tint level.
- D. Class 2 Low Voltage Cables: Plenum rated.
- E. Use weathertight connectors for connection of frame cables to IGU pigtails.

2.04 GLASS MATERIALS

- A. Float Glass: Glazing to be float glass unless otherwise indicated.
 - 1. Annealed Type: ASTM C1036, Type 1, transparent flat, Class 1 clear, Quality Q3 (glazing select).
 - 2. Kind HS - Heat Strengthened and Kind FT - Fully Tempered in accordance with ASTM C1048.
 - 3. Thicknesses: As indicated; for exterior glazing comply with specified requirements for wind load design regardless of specified thickness.
- B. Laminated Glass: Float glass laminated in accordance with ASTM C1172 and fabricated in autoclave with heat and pressure, free of foreign substances and air pockets.
 - 1. Safety Glass: Comply with ANSI Z97.1 and 16 CFR 1201 test requirements for Category II.
 - 2. Interlayer: Polyvinyl butyral (PVB) type, clear, 0.060 inch thick, minimum.

2.05 ELECTRONICALLY CONTROLLED (EC) PRIVACY LAMINATED GLASS UNITS (LGU)

- A. EC Privacy LGU: Maximum size of 48 inch by 110 inch and minimum size of 12 inch by 12 inch.
 - 1. EC laminated glass with switchable film between two glass lites and attached to power source.

2. Applications: Interior vertical glazing.
3. Laminated Lite:
 - a. Outer Ply, Glass Type: Kind FT - Fully Tempered float glass.
 - 1) Nominal Thickness: Manufacturers standard thickness for performance requirements indicated.
 - 2) Glass Color: Class 1 - Clear.
 - b. Inner Ply, Glass Type: Kind FT - Fully Tempered float glass.
 - 1) Nominal Thickness: Manufacturers standard for performance requirements indicated.
 - 2) Glass Color: Class 1 - Clear.
 - c. Interlayer: Polyvinyl butyral (PVB) type.
4. Overall Thickness of LGU: 1" inch.

2.06 ELECTRONICALLY CONTROLLED (EC) PRIVACY FILMS

- A. EC Privacy Film:
 1. EC multilayer switchable film attached to power source.
 2. Applications: As indicated on drawings.
 3. Maximum Width: 49 inches.
 4. Thickness: 0.010 inch.

2.07 CONNECTORS

- A. EC Glass Busbars: Provide along edge of glass, and elsewhere as necessary, in accordance with EC tintable IGU performance requirements indicated.
 1. Pigtails: Multiconductor sheathed cable extending from edge of EC tintable IGU and terminated with weatherproof connector for connection to frame cable within glazing pocket.
 - a. Pigtail Length: 6 inch, minimum.
 - b. Provide 7/16 inch minimum diameter hole through framing.
- B. EC Film Busbars: Manufacturer's standard, preinstalled along top edge of film.
 1. Pigtails: Low-voltage wiring presoldered to busbars and attached securely to glass panel.

2.08 ACCESSORIES

- A. Glazing Materials: Compatible with EC switchable glass components.
- B. EC Film Edge Sealing Tape: Clear, protective polyurethane flexible overlamine dielectric film recommended by EC film manufacturer.
- C. EC Film Busbar Sealing Dielectric Tape: Same as edge sealing tape.
- D. EC Film Busbar Cover Caps: Nonconductive PVC moldings recommended by EC film manufacturer.
 1. Color: White.
- E. Structural Silicone Sealant: Self-priming, elastomeric adhesive complying with ASTM C1184 and recommended by EC film manufacturer.
- F. Glass Cleaner: As recommended by EC film manufacturer.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

- A. Verify that site conditions are acceptable for installation of EC switchable glass system components.
- B. Verify openings for installation of EC switchable glass are correctly sized and within acceptable tolerances.
- C. Verify that framing weep system is operating properly and in accordance with GANA (GM) recommendations.
- D. Verify that required minimum face and edge clearances are being maintained.
- E. Verify that glazing channels, weeps and recesses are clear and free of obstructions and ready for glazing.
- F. Verify that glazing pocket is dry where EC switchable glass pigtail and frame cable connection are required to be made.
- G. Verify that framing system is sized appropriately for EC switchable glass thickness and proper precautions are taken to not over compress edge seals upon installation.
- H. Verify that EC switchable glass secondary seal is compatible with glazing sealants.
- I. Verify frame channel dimensions are adequate for required cable runs to be made.
- J. Verify locations of penetrations within framing system are acceptable for frame cables and sensor cables into building.
- K. Verify electrical rough-in of any conduits and/or boxes required for installation of cables and system devices is complete.
- L. Correct any conditions deemed unsatisfactory, and do not proceed with this glazing Work until unsatisfactory conditions have been properly corrected and are complete.

3.02 PREPARATION

- A. Prepare glazing channels and other framing members to receive EC switchable glass, pigtails, and frame cable in accordance with manufacturer's recommendations and project requirements.
- B. Remove coatings and other harmful materials from glazing substrates that may inhibit specified EC switchable glass performance requirements.
- C. Ensure that system related cabling is conditioned at room temperature for at least 24 hours prior to installation.
- D. Comply with approved shop drawings and manufacturer's recommendations to modify glass framing as required to accommodate wiring connections to EC film.
- E. Clean glass scheduled to receive EC film.

3.03 ELECTRONICALLY CONTROLLED SWITCHABLE GLASS UNITS INSTALLATION

- A. Install system components in accordance with manufacturer's recommendations for LGU, IGU, sealants, gaskets and other glazing materials, pigtails, and frame cables and in compliance with more stringent requirements as indicated in GANA (GM).
- B. Comply with framing manufacturer's and referenced industry recommendations regarding installation of expansion joints and anchors, accommodation of thermal movement, glass openings, use of setting blocks and spacer shims, and weep system layout.
- C. Install EC switchable glass in prepared glazing channels and framing members in compliance with glass manufacturer's labels and indicated glass orientations.
- D. Install glazing units so that active switchable areas of glazing unit extend from edge to edge of finished window system opening without any visible light transmitted along entire perimeter of each glazing unit.
- E. Protect glass from edge damage during handling and installation.
- F. Protect EC switchable glass pigtail, frame and sensor cables from any damage during installation.
 - 1. Use grommets during installation to protect pigtails and cables routed through framing.
 - 2. When frame cable or connector is damaged during installation, replace in accordance with EC switchable glass manufacturer's approved method.
 - 3. When EC switchable glass pigtail connector is damaged during installation, notify EC switchable glass manufacturer for repair or replacement of damaged components using manufacturer's approved method.
- G. Install cabling so that it will not be exposed to direct sunlight, even through glass.
 - 1. Where installation in an exposed location is necessary, cover or paint cable using a latex water based paint in accordance with manufacturer's approved method.
- H. Install setting blocks in glazing pocket as recommended by applicable glazing standards in accordance with GANA (GM) or IGMA TM-3000, and EC switchable glass manufacturer's glazing guidelines.
- I. Install edge spacer shims at each side glazing pocket to prevent IGU's from moving horizontally upon installation.
- J. Provide bite on glass, minimum edge and face clearances, and glazing material tolerances as indicated in GANA (GM) and as approved by manufacturer.
- K. Provide fully functional weep system throughout IGU framing system as indicated in GANA (GM).
- L. Distribute weight of IGU along entire bottom edge rather than only at corners.
- M. Install IGU's in accordance with IGMA TM-3000, and as follows:
 - 1. For dry glazed systems, provide an adequate seal consisting of at least 4 lbs per inch and not exceeding 10 lbs per inch pressure applied to the edges of IGU's by gaskets or other acceptable glazing materials.

3.04 ELECTRONICALLY CONTROLLED SWITCHABLE FILM INSTALLATION

- A. Clean glass with wetting solution recommended by film manufacturer.

- B. Install system components in accordance with manufacturer's instructions and approved shop drawings.
- C. Seal film edges by using clear dielectric sealing tape or neutral silicone sealant recommended or approved by film manufacturer.
- D. Seal busbars using clear dielectric sealing tape or neutral silicone sealant recommended or approved by film manufacturer.
- E. Conceal busbars using nonconductive cap strips recommended by film manufacturer. Install strips in continuous bead of specified sealant.

3.05 CONTROL SYSTEM INSTALLATION

- A. Perform control system installation work in accordance with NECA 1 and in compliance with NFPA 70 requirements.
- B. Install system components in accordance with manufacturer's requirements.
- C. Mounting Locations:
- D. Class 2 Low Voltage Wiring Method: Unless noted otherwise, use cables not installed in conduit where possible.
 - 1. Install Class 2 low voltage wiring in conduit where required for rough-in, where required by authorities having jurisdiction, and where exposed to damage.
 - 2. Conduit: Comply with Section 26 05 83.
 - 3. Conceal cables unless specifically indicated to be exposed.
 - 4. Route exposed cables parallel or perpendicular to building structural members and surfaces.
- E. Provide grounding and bonding in accordance with Section 26 05 83.
- F. Identify system wiring and components in accordance with Section 26 05 83.

3.06 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements for additional requirements.
- B. Verify that EC switchable glass and corresponding pigtail cables are installed in proper orientation in accordance with approved shop drawings.
- C. Test to verify wiring is free of shorts and grounds.
- D. Prepare and start system in accordance with manufacturer's instructions.
- E. Program system in accordance with project requirements.
- F. Test system to confirm for proper operation.
- G. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.
- H. Submit detailed reports indicating inspection and testing results and corrective actions taken.

3.07 CLEANING

- A. Clean EC switchable glass on both exposed glass surfaces immediately after installation and curing of sealants in accordance with manufacturer's, GANA (GIB 01-0300) and GANA (GIB TD-02-0402) requirements.
 - 1. Remove labels and markings from glass.
 - 2. Do not use scrapers or other metal tools to clean glass.

3.08 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals for closeout submittals.
- B. See Section 01 79 00 - Demonstration and Training for additional requirements.
- C. Demonstration: Demonstrate operation of EC switchable glass control system and equipment to Owner's designated personnel.
 - 1. Use operation and maintenance data as reference during demonstration.
 - 2. Briefly describe function, operation, and maintenance of each component.
- D. Training: Train Owner's personnel on operation and maintenance of system.
 - 1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
 - 2. Provide minimum of two hours of training.
 - 3. Instructor: Manufacturer's training personnel.
 - 4. Location: At project site.

3.09 PROTECTION

- A. IGU Argon Analyzer Testing: Do not allow use of high voltage spark type inert gas analyzers on EC tintable IGU as this may damage film and controls, and potentially void warranty.
- B. Protect EC switchable glass and film installations from subsequent construction operations until Date of Substantial Completion.
- C. Protect glass from coming into contact with contaminating construction related substances such as weld spatter, fireproofing, plaster, and concrete or mortar slurry.
- D. Remove damaged glass that is broken, chipped, cracked, or damaged in any way, and replace with new materials.
 - 1. Damaged Glass: Glass with edge damage or other imperfections that when installed could weaken glass and impair performance and/or appearance.

END OF SECTION

**SECTION 09 05 61
COMMON WORK RESULTS FOR FLOORING PREPARATION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This section applies to floors identified in Contract Documents that are receiving the following types of floor coverings:
 - 1. Resilient tile and sheet.
 - 2. Carpet tile.
- B. Removal of existing floor coverings.
- C. Preparation of existing concrete floor slabs for installation of floor coverings.
- D. Patching compound.
- E. Remedial floor coatings.

1.02 RELATED REQUIREMENTS

- A. Section 01 21 00 - Allowances: Floor Moisture Mitigation Allowance.
- B. Section 01 40 00 - Quality Requirements: Additional requirements relating to testing agencies and testing.

1.03 PRICE AND PAYMENT PROCEDURES

1.04 REFERENCE STANDARDS

- A. ASTM C109/C109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens) 2021.
- B. ASTM C472 - Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters, and Gypsum Concrete 2020.
- C. RFCI (RWP) - Recommended Work Practices for Removal of Resilient Floor Coverings 2011.

1.05 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate scheduling of cleaning and testing, so that preliminary cleaning has been completed for at least 24 hours prior to testing.

1.06 SUBMITTALS

- A. Visual Observation Report: For existing floor coverings to be removed.
- B. Floor Covering and Adhesive Manufacturers' Product Literature: For each specific combination of substrate, floor covering, and adhesive to be used; showing:
 - 1. Moisture and alkalinity (pH) limits and test methods.
 - 2. Manufacturer's required bond/compatibility test procedure.
- C. Remedial Materials Product Data: Manufacturer's published data on each product to be used for remediation.
 - 1. Manufacturer's qualification statement.

2. Certificate: Manufacturer's certification of compatibility with types of flooring applied over remedial product.
3. Test reports indicating compliance with specified performance requirements, performed by nationally recognized independent testing agency.
4. Manufacturer's installation instructions.
5. Specimen Warranty: Copy of warranty to be issued by coating manufacturer and certificate of underwriter's coverage of warranty.

D. Testing Agency's Report:

1. Description of areas tested; include floor plans and photographs if helpful.
2. Summary of conditions encountered.
3. Moisture and alkalinity (pH) test reports.
4. Copies of specified test methods.
5. Recommendations for remediation of unsatisfactory surfaces.
6. Product data for recommended remedial coating.
7. Certificate: Include certification of accuracy by authorized official of testing agency.
8. Submit report to Architect/Engineer.
9. Submit report not more than two business days after conclusion of testing.

E. Adhesive Bond and Compatibility Test Report.

F. Copy of RFCI (RWP).

1.07 QUALITY ASSURANCE

- A. Moisture and alkalinity (pH) testing shall be performed by an independent testing agency employed and paid by Contractor.
- B. Contractor may perform adhesive and bond test with Contractor's own personnel or hire a testing agency.
- C. Testing Agency Qualifications: Independent testing agency experienced in the types of testing specified.
 1. Submit evidence of experience consisting of at least 3 test reports of the type required, with project Owner's project contact information.
- D. Contractor's Responsibility Relating to Independent Agency Testing:
 1. Procure the testing agency and submit testing agency's qualifications for Owner and Architect/Engineer approval.
 2. Provide access for and cooperate with testing agency.
 3. Confirm date of start of testing at least 10 days prior to actual start.
 4. Allow at least 4 business days on site for testing agency activities.
 5. Achieve and maintain specified ambient conditions.
 6. Notify Owner and Architect/Engineer when specified ambient conditions have been achieved and when testing will start.
- E. Remedial Coating Installer Qualifications: Company specializing in performing work of the type specified in this section, trained by or employed by coating manufacturer, and able to provide at least 3 project references showing at least 3 years' experience installing moisture emission coatings.

1.08 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, handle, and protect products in accordance with manufacturer's instructions and recommendations.
- B. Deliver materials in manufacturer's packaging; include installation instructions.
- C. Keep materials from freezing.

1.09 FIELD CONDITIONS

- A. Maintain ambient temperature in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 65 degrees F or more than 85 degrees F.
- B. Maintain relative humidity in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 40 percent and not more than 60 percent.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Patching Compound: Floor covering manufacturer's recommended product, suitable for conditions, and compatible with adhesive and floor covering. In the absence of any recommendation from flooring manufacturer, provide a product with the following characteristics:
 - 1. Cementitious moisture-, mildew-, and alkali-resistant compound, compatible with floor, floor covering, and floor covering adhesive, and capable of being feathered to nothing at edges.
 - 2. Latex or polyvinyl acetate additions are permitted; gypsum content is prohibited.
 - 3. Compressive Strength: 3000 psi, minimum, after 28 days, when tested in accordance with ASTM C109/C109M or ASTM C472, whichever is appropriate.
- B. Alternate Flooring Adhesive: Floor covering manufacturer's recommended product, suitable for the moisture and pH conditions present; low-VOC. In the absence of any recommendation from flooring manufacturer, provide a product recommended by adhesive manufacturer as suitable for substrate and floor covering and for conditions present.
- C. Remedial Floor Coating: Single- or multi-layer coating or coating/overlay combination intended by its manufacturer to resist water vapor transmission to degree sufficient to meet flooring manufacturer's emission limits, resistant to the level of alkalinity (pH) found, and suitable for adhesion of flooring without further treatment.
 - 1. Thickness: As required for application and in accordance with manufacturer's installation instructions.
 - 2. Use product recommended by testing agency.

PART 3 EXECUTION

3.01 CONCRETE SLAB PREPARATION

- A. Follow recommendations of testing agency.
- B. Perform following operations in the order indicated:
 - 1. Existing concrete slabs (on-grade and elevated) with existing floor coverings:
 - a. Visual observation of existing floor covering, for adhesion, water damage, alkaline deposits, and other defects.

- b. Removal of existing floor covering.
 - 2. Existing concrete slabs with coatings or penetrating sealers/hardeners/dustproofers:
 - a. Do not attempt to remove coating or penetrating material.
 - b. Do not abrade surface.
 - 3. Preliminary cleaning.
 - 4. Specified remediation, if required.
 - 5. Patching, smoothing, and leveling, as required.
 - 6. Other preparation specified.
 - 7. Adhesive bond and compatibility test.
 - 8. Protection.
- C. Remediations:
- 1. Active Water Leaks or Continuing Moisture Migration to Surface of Slab: Correct this condition before doing any other remediation; re-test after correction.
 - 2. Excessive Moisture Emission or Relative Humidity: If an adhesive that is resistant to the level of moisture present is available and acceptable to flooring manufacturer, use that adhesive for installation of the flooring; if not, apply remedial floor coating or remedial sheet membrane over entire suspect floor area.
 - 3. Excessive Alkalinity (pH): If remedial floor coating is necessary to address excessive moisture, no additional remediation is required; if not, if an adhesive that is resistant to the level present is available and acceptable to the flooring manufacturer, use that adhesive for installation of the flooring; otherwise, apply a skim coat of specified patching compound over entire suspect floor area.

3.02 REMOVAL OF EXISTING FLOOR COVERINGS

- A. Comply with local, State, and federal regulations and recommendations of RFCI (RWP), as applicable to floor covering being removed.
- B. Dispose of removed materials in accordance with local, State, and federal regulations and as specified.

3.03 PRELIMINARY CLEANING

- A. Clean floors of dust, solvents, paint, wax, oil, grease, asphalt, residual adhesive, adhesive removers, film-forming curing compounds, sealing compounds, alkaline salts, excessive laitance, mold, mildew, and other materials that might prevent adhesive bond.
- B. Do not use solvents or other chemicals for cleaning.

3.04 PREPARATION

- A. See individual floor covering section(s) for additional requirements.
- B. Comply with recommendations of testing agency.
- C. Comply with requirements and recommendations of floor covering manufacturer.
- D. Fill and smooth surface cracks, grooves, depressions, control joints and other non-moving joints, and other irregularities with patching compound.
- E. Do not fill expansion joints, isolation joints, or other moving joints.

3.05 ADHESIVE BOND AND COMPATIBILITY TESTING

A. Comply with requirements and recommendations of floor covering manufacturer.

3.06 APPLICATION OF REMEDIAL FLOOR COATING

A. Comply with requirements and recommendations of coating manufacturer.

3.07 PROTECTION

A. Cover prepared floors with building paper or other durable covering.

END OF SECTION

**SECTION 09 21 16
GYPSUM BOARD ASSEMBLIES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Metal stud wall framing.
- B. Metal channel ceiling framing.
- C. Acoustic insulation.
- D. Gypsum sheathing.
- E. Cementitious backing board.
- F. Gypsum wallboard.
- G. Joint treatment and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Wood blocking product and execution requirements.
- B. Section 07 92 00 - Joint Sealants: Sealing acoustical gaps in construction other than gypsum board or plaster work.

1.03 REFERENCE STANDARDS

- A. AISI S100 - North American Specification for the Design of Cold-Formed Steel Structural Members 2016, with Supplement (2020).
- B. AISI S220 - North American Standard for Cold-Formed Steel Nonstructural Framing 2020.
- C. ANSI A108.11 - American National Standard Specifications for Interior Installation of Cementitious Backer Units 2018.
- D. ANSI A118.9 - American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units 2019.
- E. ASTM A36/A36M - Standard Specification for Carbon Structural Steel 2019.
- F. AISI SG02-1 - North American Specification for the Design of Cold-Formed Steel Structural Members; American Iron and Steel Institute; 2001 with 2004 supplement. (replaced SG-971)
- G. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- H. ASTM A1003/A1003M - Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members 2015.
- I. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board 2017 (Reapproved 2022).
- J. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board 2020.

- K. ASTM C954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness 2022.
- L. ASTM C1047 - Standard Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base 2019.
- M. ASTM C1325 - Standard Specification for Fiber-Mat Reinforced Cementitious Backer Units 2022.
- N. ASTM C1396/C1396M - Standard Specification for Gypsum Board 2017.
- O. ASTM D3273 - Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber 2021.
- P. GA-216 - Application and Finishing of Gypsum Panel Products 2021.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data:
 - 1. Provide manufacturer's data on partition head to structure connectors, showing compliance with requirements.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified and with at least five years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store gypsum products and accessories indoors and keep above freezing. Elevate boards above floor, on nonwicking supports, in accordance with manufacturer's recommendations.
- B. Store metal products to prevent corrosion.

PART 2 PRODUCTS

2.01 GYPSUM BOARD ASSEMBLIES

- A. Provide completed assemblies complying with ASTM C840 and GA-216.

2.02 METAL FRAMING MATERIALS

- A. Manufacturers - Metal Framing, Connectors, and Accessories:
 - 1. ClarkDietrich Building Systems: www.clarkdietrich.com.
 - 2. Marino\WARE: www.marinoware.com.
 - 3. Steel Construction Systems: www.steelconsystems.com.
 - 4. The Steel Network, Inc: www.steelnetwork.com.
 - 5. Super Stud Building Products, Inc: www.buysuperstud.com.
 - 6. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Non-Loadbearing Framing System Components: ASTM C645; galvanized sheet steel, of size and properties necessary to comply with ASTM C754 for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf.

1. Studs: C-shaped with ribbed webs, and flanges with rolled edge stiffeners.
 - a. Products:
 - 1) ClarkDietrich Building Systems; ProSTUD or TRAKLOC Drywall Framing Systems: www.clarkdietrich.com.
 - 2) Marino\WARE; ViperStud Drywall Framing System: www.marinoware.com.
 - 3) Steel Construction Systems; Supreme Framing System: www.steelconsystems.com.
 - 4) The Steel Network, Inc.; PrimeWall or PrimeWall EQ framing systems: www.steelnetwork.com.
 - 5) Super Stud Building Products, Inc.; The EDGE Steel Framing System: www.buysuperstud.com.
 - 6) Substitutions: See Section 01 60 00 - Product Requirements.
 2. Ceiling Channels: C-shaped.
 3. Furring Members: Zee-shaped sections, minimum depth of 2 inch.
 - a. Products:
 - 1) MBA Building Supplies; MBA Z-Furring: www.mbastuds.com/#sle.
 - 2) Substitutions: See Section 01 60 00 - Product Requirements.
- C. Partition Head to Structure Connections: Provide mechanical anchorage devices that accommodate deflection and prevent rotation of studs while maintaining structural performance of partition.
1. Structural Performance: Maintain lateral load resistance and vertical movement capacity required by applicable code, when evaluated in accordance with AISI S100.
 2. Material: ASTM A653/A653M steel sheet, SS Grade 50/340, with G60/Z180 hot-dipped galvanized coating.
 3. Provide mechanical anchorage devices as described above that accommodate deflection while maintaining the fire-resistance rating of the wall assembly.
- D. Non-structural Framing Accessories:
1. Partial Height Wall Framing Support: Provides stud reinforcement and anchored connection to floor.
 - a. Materials: ASTM A36/A36M formed sheet steel support member with factory-welded ASTM A1003/A1003M steel plate base.
 - b. Height: 23-3/4 inches, 35-3/4 inches, and 47-3/4 inches.
 - c. Products:
 - 1) ClarkDietrich; Pony Wall (PW): www.clarkdietrich.com.
 - 2) Substitutions: See Section 01 60 00 - Product Requirements.
- E. Grid Suspension Systems: Steel grid system of main tees and support bars connected to structure using hanging wire.
1. Products:
 - a. USG Corporation; Drywall Suspension System: www.usg.com.
 - b. Substitutions: See Section 01 60 00 - Product Requirements.

2.03 BOARD MATERIALS

- A. Manufacturers - Gypsum-Based Board:
1. American Gypsum Company: www.americangypsum.com.
 2. CertainTeed Corporation: www.certainteed.com.
 3. Georgia-Pacific Gypsum: www.gpgypsum.com.

4. National Gypsum Company: www.nationalgypsum.com/.
 5. USG Corporation: www.usg.com.
 6. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Gypsum Wallboard: Paper-faced gypsum panels as defined in ASTM C1396/C1396M; sizes to minimize joints in place; ends square cut.
1. Application: Use for vertical surfaces and ceilings, unless otherwise indicated.
 2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
 - a. Mold resistant board is required at all locations.
 3. Thickness:
 - a. Vertical Surfaces: 5/8 inch.
 - b. Ceilings: 5/8 inch.
 4. Mold-Resistant, Paper-Faced Products:
 - a. American Gypsum Company; M-Bloc Type X: www.americangypsum.com.
 - b. American Gypsum Company; M-Bloc Type C: www.americangypsum.com.
 - c. CertainTeed Corporation; M2Tech 5/8" Type X Moisture & Mold Resistant Drywall: www.certainteed.com.
 - d. Georgia-Pacific Gypsum; ToughRock Fireguard X Mold-Guard: www.gpgypsum.com.
 - e. National Gypsum Company; Gold Bond XP Gypsum Board: www.nationalgypsum.com.
 - f. USG Corporation; USG Sheetrock Brand EcoSmart Panels Mold Tough Firecode X: www.usg.com.
 - g. Substitutions: See Section 01 60 00 - Product Requirements.
- C. Backing Board For Vertical Tiled Surfaces:
1. Application: Surfaces behind tile in wet and non-wet areas, including, but not limited to, restrooms.
 2. Mold Resistance: Score of 10, when tested in accordance with ASTM D3273.
 3. ANSI Cement-Based Board: Non-gypsum-based; aggregated Portland cement panels with glass fiber mesh embedded in front and back surfaces complying with ANSI A118.9 or ASTM C1325.
 - a. Thickness: 1/2 inch, minimum.
 - b. Products:

2.04 GYPSUM WALLBOARD ACCESSORIES

- A. Acoustic Insulation: ASTM C665; preformed glass fiber, friction fit type, unfaced. Thickness: 3 inch unless indicated otherwise on the Drawings.
- B. Acoustic Sealant: Acrylic emulsion latex or water-based elastomeric sealant; do not use solvent-based non-curing butyl sealant.
1. Products:
 - a. Franklin International, Inc; Titebond GREENchoice Professional Acoustical Smoke and Sound Sealant: www.titebond.com.
 - b. Liquid Nails, a brand of PPG Architectural Coatings: www.liquidnails.com.
 - c. Specified Technologies Inc; Smoke N Sound Acoustical Sealant: www.stifirestop.com.
 - d. Substitutions: See Section 01 60 00 - Product Requirements.
- C. Finishing Accessories: ASTM C1047, paper-faced galvanized steel, unless noted otherwise.
1. Types: As detailed or required for finished appearance.

2. Special Shapes: In addition to conventional corner bead and control joints, provide U-bead at exposed panel edges.
 3. Manufacturers: As for framing materials.
- D. Beads, Joint Accessories, and Other Trim: ASTM C1047, rigid plastic or galvanized steel, unless noted otherwise.
- E. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
1. Tape: 2 inch wide, coated glass fiber tape or creased paper tape for joints and corners, except as otherwise indicated.
 2. Joint Compound: Setting type, field-mixed.
- F. High Build Drywall Surfacers: Vinyl acrylic latex-based coating for spray application, designed to take the place of skim coating and separate paint primer in achieving Level 5 finish.
- G. Screws for Fastening of Gypsum Panel Products to Steel Members from 0.033 to 0.112 inch in Thickness: ASTM C954; steel drill screws, corrosion-resistant.
- H. Anchorage to Substrate: Tie wire, nails, screws, and other metal supports, of type and size to suit application; to rigidly secure materials in place.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that project conditions are appropriate for work of this section to commence.

3.02 FRAMING INSTALLATION

- A. Metal Framing: Install in accordance with AISI S220 and manufacturer's instructions.
- B. Suspended Ceilings and Soffits: Space framing and furring members as indicated.
1. Level ceiling system to a tolerance of 1/1200.
 2. Laterally brace entire suspension system.
 3. Install bracing as required at exterior locations to resist wind uplift.
- C. Studs: Space studs at 16 inches on center.
1. Extend partition framing to structure where indicated and to ceiling in other locations.
 2. Partitions Terminating at Ceiling: Attach ceiling runner securely to ceiling track in accordance with manufacturer's instructions.
 3. Partitions Terminating at Structure: Attach top runner to structure, maintain clearance between top of studs and structure, and connect studs to track using specified mechanical devices in accordance with manufacturer's instructions; verify free movement of top of stud connections; do not leave studs unattached to track.
- D. Blocking: Install wood blocking for support of:
1. Framed openings.
 2. Wall-mounted cabinets.
 3. Plumbing fixtures.
 4. Toilet partitions.
 5. Toilet accessories.
 6. Wall-mounted door hardware.

3.03 ACOUSTIC ACCESSORIES INSTALLATION

- A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and tight to items passing through partitions.
- B. Acoustic Sealant: Install in accordance with manufacturer's instructions.
 - 1. Place continuous bead at perimeter of each layer of gypsum board.
 - 2. Seal around all penetrations by conduit, pipe, ducts, rough-in boxes, and structural and supporting elements, except where firestopping is provided.

3.04 BOARD INSTALLATION

- A. Comply with ASTM C840, GA-216, and manufacturer's instructions. Install to minimize butt end joints, especially in highly visible locations.
- B. Single-Layer Nonrated: Install gypsum board in most economical direction, with ends and edges occurring over firm bearing.
 - 1. Exception: Tapered edges to receive joint treatment at right angles to framing.
- C. Cementitious Backing Board: Install over steel framing members and plywood substrate where indicated, in accordance with ANSI A108.11 and manufacturer's instructions.
- D. Installation on Metal Framing: Use screws for attachment of gypsum board except face layer of nonrated double-layer assemblies, which may be installed by means of adhesive lamination.

3.05 INSTALLATION OF TRIM AND ACCESSORIES

- A. Control Joints: Place control joints consistent with lines of building spaces and as indicated.
 - 1. Not more than 30 feet apart on walls and ceilings over 50 feet long.
- B. Corner Beads: Install at external corners, using longest practical lengths.
- C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.

3.06 JOINT TREATMENT

- A. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
 - 1. Level 5: Walls and ceilings to receive semi-gloss or gloss paint finish and other areas specifically indicated.
 - 2. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
 - 3. Level 3: Walls to receive textured wall finish.
 - 4. Level 2: In utility areas, behind cabinetry, and on backing board to receive tile finish.
 - 5. Level 1: Fire-resistance-rated wall areas above finished ceilings, whether or not accessible in the completed construction.
- B. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes.
 - 1. Feather coats of joint compound so that camber is maximum 1/32 inch.
 - 2. Taping, filling, and sanding are not required at base layer of double-layer applications.
- C. Where Level 5 finish is indicated, spray apply high build drywall surfacer over entire surface after joints have been properly treated; achieve a flat and tool mark-free finish.
- D. Fill and finish joints and corners of cementitious backing board as recommended by manufacturer.

3.07 TOLERANCES

- A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

3.08 PROTECTION

- A. Protect installed gypsum board assemblies from subsequent construction operations.

END OF SECTION

**SECTION 09 30 00
TILING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Tile for wall applications.
- B. Non-ceramic trim.

1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 - Joint Sealants: Sealing joints between tile work and adjacent construction and fixtures.
- B. Section 09 21 16 - Gypsum Board Assemblies: Tile backer board.

1.03 REFERENCE STANDARDS

- A. ANSI A108.1a - American National Standard Specifications for Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar 2017.
- B. ANSI A108.1b - American National Standard Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar 2017.
- C. ANSI A108.1c - Contractor's Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar 1999 (Reaffirmed 2021).
- D. ANSI A108.2 - American National Standard General Requirements: Materials, Environmental and Workmanship 2019.
- E. ANSI A108.4 - American National Standard Specifications for Installation of Ceramic Tile with Organic Adhesive or Water Cleanable Tile-Setting Epoxy Adhesive 2019.
- F. ANSI A108.5 - American National Standard Specifications for Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar 2021.
- G. ANSI A108.6 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grout Epoxy 1999 (Reaffirmed 2019).
- H. ANSI A108.8 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout 1999 (Reaffirmed 2019).
- I. ANSI A108.9 - American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout 1999 (Reaffirmed 2019).
- J. ANSI A108.10 - American National Standard Specifications for Installation of Grout in Tilework 2017.
- K. ANSI A108.11 - American National Standard Specifications for Interior Installation of Cementitious Backer Units 2018.
- L. ANSI A108.12 - American National Standard for Installation of Ceramic Tile with EGP (Exterior Glue Plywood) Latex-Portland Cement Mortar 1999 (Reaffirmed 2019).

- M. ANSI A108.13 - American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone 2005 (Reaffirmed 2021).
- N. ANSI A108.19 - American National Standard Specifications for Interior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs by the Thin-Bed Method Bonded with Modified Dry-Set Cement Mortar or Improved Modified Dry-Set Cement Mortar 2020.
- O. ANSI A108.20 - American National Standard Specifications for Exterior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs 2020.
- P. ANSI A118.7 - American National Standard Specifications for High Performance Cement Grouts for Tile Installation 2019.
- Q. ANSI A118.15 - American National Standard Specifications for Improved Modified Dry-Set Cement Mortar 2019.
- R. ANSI A137.1 - American National Standard Specifications for Ceramic Tile 2022.
- S. ASTM C373 - Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products 2018 (Reapproved 2023).
- T. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation 2022.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by affected installers.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and accessories. Include instructions for using grouts and adhesives.
- C. Shop Drawings: Indicate tile layout, patterns, color arrangement, perimeter conditions, junctions with dissimilar materials, control and expansion joints, thresholds, ceramic accessories, setting details, and trim components.
- D. Samples for Selection: Manufacturer's color line sample boards/books.
- E. Samples for Verification: Mount selected tile and apply grout on two plywood panels, minimum 18 x 18 inches in size illustrating pattern, color variations, and grout joint size variations.
- F. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- G. Master Grade Certificate: Submit for each type of tile, signed by the tile manufacturer and tile installer.
- H. Installer's Qualification Statement:
 1. Submit documentation of National Tile Contractors Association (NTCA) or Tile Contractors' Association of America (TCAA) accreditation.
 2. Submit documentation of completion of apprenticeship and certification programs.

- I. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods.
- J. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Tile: 10 square feet of each size, color, and surface finish combination.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum five years of documented experience.
- B. Installer Qualifications:
 - 1. Company specializing in performing tile installation, with minimum of five years of documented experience.
 - a. Accredited Five-Star member of the National Tile Contractors Association (NTCA) or Trowel of Excellence member of the Tile Contractors' Association of America (TCAA).
 - 2. Installer Certification:
 - a. Ceramic Tile Education Foundation (CTEF): Certified Tile Installer (CTI).
 - b. Apprenticeship Program: Installer has achieved Journeyworker status through an apprenticeship from the International Union of Bricklayers and Allied Craftworkers (IUBAC) or a U.S. Department of Labor (DOL)-recognized program.
 - c. Advanced Certifications for Tile Installers (ACT): Certification in the installation of membranes, mortar bed (mud) floors, mortar (mud) walls, shower receptors, large format tile, gauged porcelain tile/panels/slabs, and grouts.
 - d. International Masonry Training and Education Foundation (IMTEF): Supervisor Certification Program (SCP).

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.08 FIELD CONDITIONS

- A. Do not install solvent-based products in an unventilated environment.
- B. Maintain ambient and substrate temperature above 50 degrees F and below 100 degrees F during installation and curing of setting materials.

PART 2 PRODUCTS

2.01 TILE

- A. Manufacturers:
 - 1. Crossville, Inc: www.crossvilleinc.com.
 - 2. Substitutions: Not permitted.
- B. Porcelain Tile, Type TW1: ANSI A137.1, standard grade.
 - 1. Moisture Absorption: 0 to 0.5 percent as tested in accordance with ASTM C373.
 - 2. Size: 12" by 24" inch, nominal.
 - 3. Edges: Square.
 - 4. Surface Finish: Unglazed.

5. Color(s): As shown on the drawings.
6. Pattern: As shown on the drawings.
7. Products: As shown on the drawings.
 - a. Substitutions: Not permitted.

2.02 TRIM AND ACCESSORIES

- A. Non-Ceramic Trim: Brushed stainless steel or satin natural anodized extruded aluminum, style and dimensions to suit application, for setting using tile mortar or adhesive.
 1. Applications:
 - a. Open edges of wall tile; Coved.
 2. Manufacturers:
 - a. Schluter-Systems: www.schluter.com.
 - b. Substitutions: Not permitted.

2.03 SETTING MATERIALS

- A. Provide setting and grout materials from same manufacturer.
- B. Manufacturers:
 1. ARDEX Engineered Cements: www.ardexamericas.com.
 2. Bostik Inc: www.bostik-us.com.
 3. Custom Building Products: www.custombuildingproducts.com.
 4. H.B. Fuller Construction Products, Inc: www.tecspecialty.com.
 5. LATICRETE International, Inc: www.laticrete.com.
 6. ProSpec, an Oldcastle brand: www.prospec.com.
 7. Substitutions: Not permitted.
- C. Improved Latex-Portland Cement Mortar Bond Coat: ANSI A118.15.
 1. Applications: Use this type of bond coat where indicated, and where no other type of bond coat is indicated.

2.04 GROUTS

- A. Manufacturers:
 1. Bostik Inc: www.bostik-us.com.
 2. Custom Building Products: www.custombuildingproducts.com/#sle.
 3. LATICRETE International, Inc; LATICRETE PERMACOLOR Grout: www.laticrete.com.
- B. High Performance Polymer Modified Grout: ANSI A118.7 polymer modified cement grout.
 1. Applications: Use this type of grout where indicated and where no other type of grout is indicated.
 2. Use sanded grout for joints 1/8 inch wide and larger; use unsanded grout for joints less than 1/8 inch wide.
 3. Color(s): As indicated on drawings.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.

- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
- C. Verify that required wall-mounted utilities are in correct location.

3.02 PREPARATION

- A. Protect surrounding work from damage.
- B. Vacuum clean surfaces and damp clean.
- C. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
- D. Install backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of setting material to a feather edge.

3.03 INSTALLATION - GENERAL

- A. Install tile and thresholds and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.20, manufacturer's instructions, and TCNA (HB) recommendations.
- B. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- C. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- D. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
- E. Form internal angles square and external angles bullnosed.
- F. Install non-ceramic trim in accordance with manufacturer's instructions.
- G. Sound tile after setting. Replace hollow sounding units.
- H. Keep control and expansion joints free of mortar, grout, and adhesive.
- I. Prior to grouting, allow installation to completely cure; minimum of 48 hours.
- J. Grout tile joints unless otherwise indicated. Use standard grout unless otherwise indicated.
- K. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.
- L. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

3.04 INSTALLATION - WALL TILE

- A. Over gypsum wallboard on wood or metal studs install in accordance with TCNA (HB) Method W243, thin-set with dry-set or latex-Portland cement bond coat, unless otherwise indicated.

3.05 CLEANING

- A. Clean tile and grout surfaces.

END OF SECTION

**SECTION 09 51 00
ACOUSTICAL CEILINGS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Suspended metal grid ceiling system.
- B. Acoustical units.

1.02 RELATED REQUIREMENTS

- A. Section 21 13 00 - Fire-Suppression Sprinkler Systems: Sprinkler heads in ceiling system.
- B. Section 23 37 00-Air Outlets and Inlets: Air diffusion devices in ceiling.

1.03 REFERENCE STANDARDS

- A. ASTM C635/C635M - Standard Specification for Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings 2022.
- B. ASTM C636/C636M - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels 2019.
- C. ASTM E580/E580M - Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions 2022.
- D. ASTM E1264 - Standard Classification for Acoustical Ceiling Products 2022.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
- B. Do not install acoustical units until after interior wet work is dry.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on suspension system components and acoustical units.
- C. Samples: Submit two samples 6 x 6 inch in size illustrating material and finish of acoustical units.
- D. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- E. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Acoustical Units: Quantity equal to 5 percent of total installed.

1.06 QUALITY ASSURANCE

- A. Suspension System Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum ten years experience.

- B. Acoustical Unit Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum ten years experience.

1.07 FIELD CONDITIONS

- A. Maintain uniform temperature of minimum 60 degrees F, and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Acoustic Tiles:

1. Armstrong World Industries, Inc; Ultima, Beveled Tegular #1911: www.armstrong.com.
2. CertainTeed Corporation: www.certainteed.com.
3. USG: www.usg.com.
4. Substitutions: See Section 01 60 00 - Product Requirements.

B. Suspension Systems:

1. Armstrong World Industries, Inc: www.armstrong.com.
2. CertainTeed Corporation: www.certainteed.com.
3. USG: www.usg.com.
4. Substitutions: Not permitted.

2.02 ACOUSTICAL UNITS

A. Acoustical Tiles, Type ACT1: Painted mineral fiber, with the following characteristics:

1. Classification: ASTM E1264 Type IV.
2. Size: 24 by 24 inches.
3. Thickness: 3/4 inch.
4. Light Reflectance: 88%
5. NRC: 75
6. Ceiling Attenuation Class (CAC): 35
7. Panel Edge: Beveled Tegular 15/16".
8. Suspension System: Exposed grid.

2.03 SUSPENSION SYSTEM(S)

- A. Metal Suspension Systems - General: Complying with ASTM C635/C635M; die cut and interlocking components, with perimeter moldings, hold down clips, stabilizer bars, clips, and splices as required.
- B. Metal Suspension Systems - General: Complying with ASTM C635/C635M; die cut and interlocking components, with perimeter moldings, hold down clips, stabilizer bars, clips, and splices as required.
- C. Exposed Suspension System, Type SS1: Hot-dipped galvanized steel grid and cap.
 1. Structural Classification: Intermediate-duty, when tested in accordance with ASTM C635/C635M.
 2. Profile: Tee; 15/16 inch face width.
 3. Finish: Baked enamel.

4. Color: White.

2.04 ACCESSORIES

- A. Support Channels and Hangers: Galvanized steel; size and type to suit application and ceiling system flatness requirement specified.
- B. Hanger Wire: 12 gauge, 0.08 inch galvanized steel wire.
- C. Perimeter Moldings: Same metal and finish as grid.
 - 1. Angle Molding: L-shaped, for mounting at same elevation as face of grid.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that layout of hangers will not interfere with other work.

3.02 PREPARATION

- A. Install after major above-ceiling work is complete.
- B. Coordinate the location of hangers with other work.

3.03 INSTALLATION - SUSPENSION SYSTEM

- A. Install suspension system in accordance with ASTM C636/C636M, ASTM E580/E580M, ASTM C636/C636M, ASTM E580/E580M, ASTM C636/C636M, and ASTM E580/E580M and as supplemented in this section.
- B. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1:360.
- C. Locate system on room axis according to reflected plan.
- D. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
 - 1. Use longest practical lengths.
- E. Suspension System, Non-Seismic: Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
- F. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.
- G. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.
- H. Support fixture loads using supplementary hangers located within 6 inches of each corner, or support components independently.
- I. Do not eccentrically load system or induce rotation of runners.

3.04 INSTALLATION - ACOUSTICAL UNITS

- A. Install acoustical units in accordance with manufacturer's instructions.
- B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.
- C. Fit border trim neatly against abutting surfaces.
- D. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.
- E. Cutting Acoustical Units:
 - 1. Make field cut edges of same profile as factory edges.
- F. Where round obstructions occur, provide preformed closures to match perimeter molding.
- G. Install hold-down clips on each panel to retain panels tight to grid system; comply with fire rating requirements.

3.05 TOLERANCES

- A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet.
- B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

END OF SECTION

**SECTION 09 65 00
RESILIENT FLOORING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Resilient tile flooring.
- B. Resilient base.
- C. Installation accessories.

1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 09 05 61 - Common Work Results for Flooring Preparation: Removal of existing floor coverings, cleaning, and preparation.

1.03 REFERENCE STANDARDS

- A. ASTM F1066 - Standard Specification for Vinyl Composition Floor Tile 2004 (Reapproved 2018).
- B. ASTM F1861 - Standard Specification for Resilient Wall Base 2021.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; including sizes, patterns and colors available; and installation instructions.
- C. Shop Drawings: Indicate seaming plans and floor patterns.
- D. Selection Samples: Submit manufacturer's complete set of color samples for Architect/Engineer's initial selection.
- E. Verification Samples: Submit two samples, 12 by 12 inch in size illustrating color and pattern for each resilient flooring product specified.
- F. Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Flooring Material: 100 square feet of each type and color.
 - 3. Extra Wall Base: 100 linear feet of each type and color.
 - 4. Extra Stair Materials: Quantity equivalent to 5 percent of each type and color.

1.05 QUALITY ASSURANCE

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store all materials off of the floor in an acclimatized, weather-tight space.
- B. Protect rolled sheet materials from damage by storing on end.

1.07 FIELD CONDITIONS

- A. Maintain temperature in storage area between 55 degrees F and 90 degrees F.
- B. Store materials for not less than 48 hours prior to installation in area of installation at a temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

PART 2 PRODUCTS

2.01 TILE FLOORING

- A. Vinyl Composition Tile - VCTA: Homogeneous, with color extending throughout thickness.
 - 1. Manufacturers:
 - a. Armstrong Flooring, Inc; Standard Execelon Imperial Texture: www.armstrongflooring.com.
 - b. Johnsonite, a Tarkett Company: www.johnsonite.com.
 - 2. Minimum Requirements: Comply with ASTM F1066, of Class corresponding to type specified.
 - 3. Size: 12 by 12 inch.
 - 4. Thickness: 0.125 inch.
 - 5. Pattern: To match existing lobby..
 - 6. Color: As indicated on drawings.
- B. Luxury Vinyl Tile - LVTA: Homogeneous, with color extending throughout thickness.
 - 1. Pattern: As indicated on drawings..
 - 2. Color: As indicated on drawings.

2.02 RESILIENT BASE

- A. Resilient Base - VBA: ASTM F1861, Type TS, rubber, vulcanized thermoset; style as scheduled.
 - 1. Height: 4 inches.
 - 2. Thickness: 0.125 inch.
 - 3. Finish: Satin.
 - 4. Length: Roll.
 - 5. Color: As indicated on drawings.

2.03 ACCESSORIES

- A. Subfloor Filler: White premix latex; type recommended by adhesive material manufacturer.
- B. Primers, Adhesives, and Seam Sealer: Waterproof; types recommended by flooring manufacturer.
- C. Moldings, Transition and Edge Strips: Metal.
- D. Filler for Coved Base: Plastic.
- E. Sealer and Wax: Types recommended by flooring manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that surfaces are flat to tolerances acceptable to flooring manufacturer, free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.

- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive resilient base.
- C. Verify that concrete sub-floor surfaces are dry enough and ready for resilient flooring installation by testing for moisture emission rate and alkalinity in accordance with ASTM F710; obtain instructions if test results are not within limits recommended by resilient flooring manufacturer and adhesive materials manufacturer.
- D. Verify that required floor-mounted utilities are in correct location.

3.02 PREPARATION

- A. Remove subfloor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with subfloor filler to achieve smooth, flat, hard surface.
- B. Prohibit traffic until filler is fully cured.
- C. Clean substrate.

3.03 INSTALLATION - GENERAL

- A. Starting installation constitutes acceptance of subfloor conditions.
- B. Install in accordance with manufacturer's written instructions.
- C. Adhesive-Applied Installation:
 - 1. Spread only enough adhesive to permit installation of materials before initial set.
 - 2. Fit joints and butt seams tightly.
 - 3. Set flooring in place, press with heavy roller to attain full adhesion.
- D. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door.
- E. Install edge strips at unprotected or exposed edges, where flooring terminates, and where indicated.
- F. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.

3.04 INSTALLATION - TILE FLOORING

- A. Mix tile from container to ensure shade variations are consistent when tile is placed, unless otherwise indicated in manufacturer's installation instructions.

3.05 INSTALLATION - RESILIENT BASE

- A. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.
- B. Miter internal corners. At external corners, 'V' cut back of base strip to 2/3 of its thickness and fold. At exposed ends, use premolded units.
- C. Install base on solid backing. Bond tightly to wall and floor surfaces.
- D. Scribe and fit to door frames and other interruptions.

3.06 CLEANING

- A. Remove excess adhesive from floor, base, and wall surfaces without damage.
- B. Clean in accordance with manufacturer's written instructions.

3.07 PROTECTION

- A. Prohibit traffic on resilient flooring for 48 hours after installation.

END OF SECTION

**SECTION 09 68 13
TILE CARPETING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Carpet tile, fully adhered.

1.02 RELATED REQUIREMENTS

- A. Section 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions.
- B. Section 09 05 61 - Common Work Results for Flooring Preparation: Removal of existing floor coverings, cleaning, and preparation.

1.03 REFERENCE STANDARDS

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on specified products, describing physical and performance characteristics; sizes, patterns, colors available, and method of installation.
- C. Shop Drawings: Indicate layout of joints.
- D. Samples: Submit two carpet tiles illustrating color and pattern design for each carpet color selected.
- E. Manufacturer's Installation Instructions: Indicate special procedures.
- F. Operation and Maintenance Data: Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. Extra Carpet Tiles: Quantity equal to 5 percent of total installed of each color and pattern installed.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing specified carpet tile with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in installing carpet tile with minimum three years documented experience and approved by carpet tile manufacturer.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Tile Carpeting, Type CPTA: Tufted, manufactured in one color dye lot.
 - 1. Tile Size: Refer to Finish Schedule.
 - 2. Color: Refer to Finish Schedule.
 - 3. Pattern: Refer to Finish Schedule.

2.02 ACCESSORIES

- A. Edge Strips: Embossed aluminum, color as selected by Architect.
- B. Carpet Tile Adhesive: Recommended by carpet tile manufacturer; releasable type.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within tolerances specified for that type of work and are ready to receive carpet tile.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive carpet tile.
- C. Verify that subfloor surfaces are dust-free and free of substances that could impair bonding of adhesive materials to subfloor surfaces.

3.02 PREPARATION

- A. Prepare floor substrates for installation of flooring in accordance with Section 09 05 61.
- B. Prepare floor substrates as recommended by flooring and adhesive manufacturers.

3.03 INSTALLATION

- A. Starting installation constitutes acceptance of subfloor conditions.
- B. Install carpet tile in accordance with manufacturer's instructions.
- C. Blend carpet from different cartons to ensure minimal variation in color match.
- D. Cut carpet tile clean. Fit carpet tight to intersection with vertical surfaces without gaps.
- E. Lay carpet tile in square pattern, with pile direction parallel to next unit, set parallel to building lines.
- F. Trim carpet tile neatly at walls and around interruptions.
- G. Complete installation of edge strips, concealing exposed edges.

3.04 CLEANING

- A. Remove excess adhesive without damage, from floor, base, and wall surfaces.
- B. Clean and vacuum carpet surfaces.

END OF SECTION

**SECTION 09 91 23
INTERIOR PAINTING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Field application of paints.
- C. Scope: Finish interior surfaces exposed to view, unless fully factory-finished and unless otherwise indicated.
 - 1. Both sides and edges of plywood backboards for electrical and telecom equipment before installing equipment.
 - 2. Mechanical and Electrical:
 - a. In areas where walls and/or overhead surfaces are scheduled to receive painted finishes, paint insulated and exposed pipes, conduit, boxes, insulated and exposed ducts, hangers, brackets, collars and supports, mechanical equipment, and electrical equipment, unless otherwise indicated.
 - b. In all areas, paint shop-primed items.
- D. Do Not Paint or Finish the Following Items:
 - 1. Items factory-finished unless otherwise indicated; materials and products having factory-applied primers are not considered factory finished.
 - 2. Items indicated to receive other finishes.
 - 3. Items indicated to remain unfinished.
 - 4. Fire rating labels, equipment serial number and capacity labels, bar code labels, and operating parts of equipment.
 - 5. Floors, unless specifically indicated.
 - 6. Glass.
 - 7. Acoustical materials, unless specifically indicated.
 - 8. Pipes, ducts, and conduits concealed behind wall or ceiling finishes

1.02 RELATED REQUIREMENTS

- A. Section 05 50 00 - Metal Fabrications: Shop-primed items.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

1.04 QUALITY ASSURANCE

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.
- B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.
- C. Paint Materials: Store at minimum ambient temperature of 45 degrees F and a maximum of 90 degrees F, in ventilated area, and as required by manufacturer's instructions.

1.06 FIELD CONDITIONS

- A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.
- B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.
- C. Provide lighting level of 80 fc measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Provide paints and finishes used in any individual system from the same manufacturer; no exceptions.
- B. Paints:
 - 1. Behr Process Corporation: www.behr.com/#sle.
 - 2. PPG Paints: www.ppgpaints.com/#sle.
 - 3. Sherwin-Williams Company: www.sherwin-williams.com/#sle.
- C. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 PAINTS AND FINISHES - GENERAL

- A. Paints and Finishes: Ready-mixed, unless intended to be a field-catalyzed paint.
 - 1. Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
 - 2. Supply each paint material in quantity required to complete entire project's work from a single production run.
 - 3. Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.
- B. Volatile Organic Compound (VOC) Content:
 - 1. Provide paints and finishes that comply with the most stringent requirements specified in the following:
 - a. 40 CFR 59, Subpart D--National Volatile Organic Compound Emission Standards for Architectural Coatings.
 - b. SCAQMD 1113 Rule.
 - c. CARB (SCM).
 - d. Ozone Transport Commission (OTC) Model Rule, Architectural, Industrial, and Maintenance Coatings; www.otcair.org; specifically:
 - 1) Opaque, Flat: 50 g/L, maximum.
 - 2) Opaque, Nonflat: 150 g/L, maximum.
 - 3) Opaque, High Gloss: 250 g/L, maximum.
 - e. Architectural coatings VOC limits of the State in which the Project is located.
 - 2. Determination of VOC Content: Testing and calculation in accordance with 40 CFR 59, Subpart D (EPA Method 24), exclusive of colorants added to a tint base and water added at project site; or other method acceptable to authorities having jurisdiction.

- C. Flammability: Comply with applicable code for surface burning characteristics.
- D. Sheens: Provide the sheens specified; where sheen is not specified, sheen will be selected later by Architect/Engineer from the manufacturer's full line.
- E. Colors: To be selected from manufacturer's full range of available colors.
 - 1. Selection to be made by Architect/Engineer after award of contract.
 - 2. Allow for minimum of three colors for each system, unless otherwise indicated, without additional cost to Owner.
 - 3. Extend colors to surface edges; colors may change at any edge as directed by Architect/Engineer.
 - 4. In finished areas, finish pipes, ducts, conduit, and equipment the same color as the wall/ceiling they are mounted on/under.

2.03 PAINT SYSTEMS - INTERIOR

- A. Interior Surfaces to be Painted, Unless Otherwise Indicated: Including gypsum board, concrete, concrete masonry units, brick, wood, plaster, uncoated steel, shop primed steel, galvanized steel, and aluminum.
 - 1. Two top coats and one coat primer.
 - 2. Top Coat(s): Institutional Low Odor/VOC Interior Latex; MPI #143, 144, 145, 146, 147, or 148.
 - a. Products:
 - 1) Behr Premium Plus Interior Eggshell Enamel [No.2050]. (MPI #145)
 - 2) Behr Premium Plus Interior Flat [No.1050]. (MPI #143)
 - 3) Behr Premium Plus Interior Satin Enamel [No.7050]. (MPI #146)
 - 4) Behr Premium Plus Interior Semi-Gloss Enamel [No.3050]. (MPI #147)
 - 5) PPG Paints Speedhide Zero Interior Latex, 6-5110 Series, Flat. (MPI #143)
 - 6) PPG Paints Speedhide Zero Interior Latex, 6-5310 Series, Eggshell.
 - 7) PPG Paints Speedhide Zero Interior Latex, 6-5410 Series, Satin.
 - 8) PPG Paints Speedhide Zero Interior Latex, 6-5510 Series, Semi-Gloss. (MPI #147)
 - 9) Sherwin-Williams ProMar 200 HP Series, Eg-Shel. (MPI #145)
 - 10) Sherwin-Williams ProMar 200 Zero VOC Interior Latex, Flat.
 - 11) Sherwin-Williams ProMar 200 Zero VOC Interior Latex, Low Sheen. (MPI #144)
 - 12) Sherwin-Williams ProMar 200 Zero VOC Interior Latex, Semi-Gloss.
 - 3. Top Coat Sheen:
 - a. Flat: MPI gloss level 1; use this sheen for ceilings and other overhead surfaces.
 - b. Eggshell: MPI gloss level 3; use this sheen for gypsum board wall surfaces in all locations, except where noted or specified otherwise..
 - c. Satin: MPI gloss level 4; use this sheen for gypsum board wall surfaces in high-traffic spaces such as lobbies, corridors and multi-purpose rooms.
 - d. Semi-Gloss: MPI gloss level 5; use this sheen for all concrete and concrete block wall surfaces.
 - 4. Primer: As recommended by top coat manufacturer for specific substrate.
- B. Medium Duty Door/Trim: For surfaces subject to frequent contact by occupants, including metals and wood:
 - 1. Medium duty applications include doors, door frames, railings, handrails, guardrails, and balustrades.
 - 2. Two top coats and one coat primer.

3. Top Coat(s): Interior Epoxy-Modified Latex; MPI #115 or 215.
 - a. Products:
 - 1) PPG Paints Aquapon WB EP Two-Component Waterborne Epoxy Coating, 98E-1/98E-100 Series, Semi-Gloss. (MPI #215)
 - 2) PPG Paints Aquapon WB EP Two-Component Waterborne Epoxy Coating, 98E-1/98E-98 Series, Gloss. (MPI #115)
 - 3) Sherwin-Williams Pro Industrial Waterbased Catalyzed Epoxy, Gloss. (MPI #115)
 - 4) Sherwin-Williams Waterbased Catalyzed Epoxy, Semi-Gloss.
 - 5) Substitutions: See Section 01 60 00 - Product Requirements
4. Top Coat Sheen:
 - a. Semi-Gloss: MPI gloss level 5; use this sheen at all locations.
5. Primer: As recommended by top coat manufacturer for specific substrate.

2.04 PRIMERS

- A. Primers: Provide the following unless other primer is required or recommended by manufacturer of top coats.

2.05 ACCESSORY MATERIALS

- A. Accessory Materials: Provide primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials as required for final completion of painted surfaces.
- B. Patching Material: Latex filler.
- C. Fastener Head Cover Material: Latex filler.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin application of paints and finishes until substrates have been adequately prepared.
- B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- D. Test shop-applied primer for compatibility with subsequent cover materials.
- E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces is below the following maximums:
 1. Gypsum Wallboard: 12 percent.
 2. Plaster and Stucco: 12 percent.
 3. Masonry, Concrete, and Concrete Masonry Units: 12 percent.
 4. Interior Wood: 15 percent, measured in accordance with ASTM D4442.

3.02 PREPARATION

- A. Clean surfaces thoroughly and correct defects prior to application.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Remove or repair existing paints or finishes that exhibit surface defects.

- D. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.
- E. Seal surfaces that might cause bleed through or staining of topcoat.
- F. Remove mildew from impervious surfaces by scrubbing with solution of tetra-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- G. Concrete:
 - 1. Remove release agents, curing compounds, efflorescence, and chalk. Do not coat surfaces if moisture content or alkalinity of surfaces to be coated exceeds that permitted in manufacturer's written instructions.
 - 2. Prepare surface as recommended by top coat manufacturer and according to SSPC-SP 13.
- H. Masonry:
 - 1. Remove efflorescence and chalk. Do not coat surfaces if moisture content, alkalinity of surfaces, or if alkalinity of mortar joints exceed that permitted in manufacturer's written instructions. Allow to dry.
 - 2. Prepare surface as recommended by top coat manufacturer.
 - 3. Clean surfaces with pressurized water. Use pressure range of 600 to 1,500 psi at 6 to 12 inches. Allow to dry.
- I. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.
- J. Plaster: Fill hairline cracks, small holes, and imperfections with latex patching plaster. Make smooth and flush with adjacent surfaces. Wash and neutralize high-alkali surfaces.
- K. Aluminum: Remove surface contamination and oils and wash with solvent according to SSPC-SP 1.
- L. Galvanized Surfaces:
- M. Ferrous Metal:
 - 1. Solvent clean according to SSPC-SP 1.
 - 2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
 - 3. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 Commercial Blast Cleaning. Protect from corrosion until coated.
- N. Wood Surfaces to Receive Opaque Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats. Back prime concealed surfaces before installation.
- O. Wood Doors to be Field-Finished: Seal wood door top and bottom edge surfaces with clear sealer.
- P. Metal Doors to be Painted: Prime metal door top and bottom edge surfaces.

3.03 APPLICATION

- A. Remove unfinished louvers, grilles, covers, and access panels on mechanical and electrical components and paint separately.

- B. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".
- C. Where adjacent sealant is to be painted, do not apply finish coats until sealant is applied.
- D. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.
- E. Apply each coat to uniform appearance in thicknesses specified by manufacturer.
- F. Dark Colors and Deep Clear Colors: Regardless of number of coats specified, apply as many coats as necessary for complete hide.
- G. Sand wood and metal surfaces lightly between coats to achieve required finish.
- H. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.
- I. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for general requirements for field inspection.

3.05 CLEANING

- A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.06 PROTECTION

- A. Protect finishes until completion of project.
- B. Touch-up damaged finishes after Substantial Completion.

END OF SECTION

SECTION 10 28 00
TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Commercial toilet accessories.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Concealed supports for accessories, including in wall framing and plates and above ceiling framing.

1.03 REFERENCE STANDARDS

- A. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products 2017.
- B. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service 2022.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- D. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar 2023.
- E. ASTM B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium 2017 (Reapproved 2022).
- F. ASTM C1036 - Standard Specification for Flat Glass 2021.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Commercial Toilet, Shower, and Bath Accessories:
 - 1. American Specialties, Inc: www.americanspecialties.com/#sle.
 - 2. Bradley Corporation: www.bradleycorp.com/#sle.
 - 3. Bobrick Washroom Equipment Inc.: www.bobrick.com.
 - 4. Substitutions: Section 01 60 00 - Product Requirements.
- B. All items to be made by the same manufacturer.

2.02 MATERIALS

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
 - 1. Grind welded joints smooth.
 - 2. Fabricate units made of metal sheet of seamless sheets with flat surfaces.
- B. Keys: Provide 2 keys for each accessory to Owner; master key lockable accessories.
- C. Stainless Steel Sheet: ASTM A666, Type 304.
- D. Stainless Steel Tubing: ASTM A269/A269M, Grade TP304 or TP316.
- E. Galvanized Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.
- F. Mirror Glass: Annealed float glass, ASTM C1036 Type I, Class 1, Quality Q2, with silvering, protective and physical characteristics complying with ASTM C1503.
- G. Adhesive: Two component epoxy type, waterproof.
- H. Fasteners, Screws, and Bolts: Hot dip galvanized; tamper-proof; security type.
- I. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.03 FINISHES

- A. Stainless Steel: Satin finish, unless otherwise noted.
- B. Chrome/Nickel Plating: ASTM B456, SC 2, polished finish, unless otherwise noted.
- C. Galvanizing for Items Other than Sheet: Comply with ASTM A123/A123M; galvanize ferrous metal and fastening devices.
- D. Shop Primed Ferrous Metals: Pretreat and clean, spray apply one coat primer and bake.
- E. Back paint components where contact is made with building finishes to prevent electrolysis.

2.04 COMMERCIAL TOILET ACCESSORIES

- A. As indicated on the Drawings.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.

3.02 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

3.03 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.
 - 1. Grab Bars: As indicated on drawings.
- D. Mounting Heights and Locations: As required by accessibility regulations and as indicated on drawings.

3.04 SCHEDULE

- A. Refer to Enlarged Plan drawings for schedule of toilet accessories.

END OF SECTION

**SECTION 10 44 00
FIRE PROTECTION SPECIALTIES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Fire extinguishers.
- B. Fire extinguisher cabinets.
- C. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Wood blocking product and execution requirements.
- B. Section 09 21 16 - Gypsum Board Assemblies: Roughed-in wall openings.

1.03 REFERENCE STANDARDS

- A. FM (AG) - FM Approval Guide Current Edition.
- B. NFPA 10 - Standard for Portable Fire Extinguishers 2022.
- C. UL (DIR) - Online Certifications Directory Current Edition.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate locations of cabinets and cabinet physical dimensions.
- C. Manufacturer's Installation Instructions: Indicate special criteria and wall opening coordination requirements.
- D. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
- E. Maintenance Data: Include test, refill or recharge schedules and re-certification requirements.

1.05 FIELD CONDITIONS

- A. Do not install extinguishers when ambient temperature may cause freezing of extinguisher ingredients.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Fire Extinguishers, Cabinets and Accessories:
 - 1. Activar Construction Products Group, Inc. - JL Industries: www.activarcpg.com.
 - 2. Larsen's Manufacturing Co: www.larsensmfg.com.
 - 3. Nystrom, Inc: www.nystrom.com.
 - 4. Potter-Roemer: www.potterroemer.com.
 - 5. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 FIRE EXTINGUISHERS

- A. Fire Extinguishers - General: Comply with product requirements of NFPA 10 and applicable codes, whichever is more stringent.
 - 1. Provide extinguishers labeled by UL (DIR) or FM (AG) for purpose specified and as indicated.
- B. Multipurpose Dry Chemical Type Fire Extinguishers: Carbon steel tank, with pressure gauge.
 - 1. Class: A:B:C type.
 - 2. Size: 10 pound.
 - 3. Finish: Baked polyester powder coat, red color.
- C. Dry Chemical Type Fire Extinguishers: Stainless steel tank, with pressure gauge.
 - 1. Class: K type.
 - 2. Size: 1.6 gallons.
 - 3. Finish: Polished stainless steel.
 - 4. Temperature range: Minus 20 degrees F to 120 degrees F.

2.03 FIRE EXTINGUISHER CABINETS

- A. Cabinet Construction: Non-fire rated.
 - 1. Formed aluminum; 1/16 inch thick base metal.
- B. Cabinet Configuration: Semi-recessed type.
 - 1. Size to accommodate accessories.
 - 2. Projected Trim: Returned to wall surface, with 2 1/2 inch projection, and 1 3/4 inch wide face.
 - 3. Provide cabinet enclosure with right angle inside corners and seams, and with formed perimeter trim and door stiles.
- C. Door: 0.036 inch metal thickness, reinforced for flatness and rigidity with nylon catch. Hinge doors for 180 degree opening with butt hinges or continuous piano hinge.
 - 1. Labeling: Red decal letters; vertical orientation.
- D. Door Glazing: Acrylic plastic, clear, 1/8 inch thick, flat shape and set in resilient channel glazing gasket.
- E. Cabinet Mounting Hardware: Appropriate to cabinet, with pre-drilled holes for placement of anchors.
- F. Finish of Cabinet Exterior Trim and Door: Primed for field paint finish.
- G. Finish of Cabinet Interior: White colored enamel.

2.04 ACCESSORIES

- A. Extinguisher Brackets: Formed steel, chrome-plated.
- B. Graphic Identification: Provide wall-mounted triangular three-dimensional signage above each cabinet and extinguisher location..
- C. Cabinet Lettering: "FIRE EXTINGUISHER" decal, or vinyl self-adhering, pre-spaced lettering in accordance with authorities having jurisdiction (AHJ).
- D. Inspection/Certification Tags: Acceptable to the authority having jurisdiction.
 - 1. Expiration Date: Not less than 12 months after date of Substantial Completion.

2. Provide (1) for each fire extinguisher.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify rough openings for cabinet are correctly sized and located.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install cabinets plumb and level in wall openings, 54 inches from finished floor to top of extinguisher inside cabinet.
- C. Secure rigidly in place.
- D. Place extinguishers in cabinets.
- E. Attach Inspection/Certification tags to extinguishers.

END OF SECTION

SECTION 12 24 00 WINDOW SHADES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Interior manual roller shades.
- B. Interior motorized roller shades.
- C. Motor controls.

1.02 RELATED REQUIREMENTS

- A. Section 06 10 00 - Rough Carpentry: Concealed wood blocking for attachment of headrail brackets.

1.03 REFERENCE STANDARDS

- A. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi 2015, with Editorial Revision (2021).
- B. C2C (DIR) - C2C Certified Products Registry; Cradle to Cradle Products Innovation Institute Current Edition.
- C. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films 2023, with Errata.
- E. UL (GGG) - GREENGUARD Gold Certified Products Current Edition.
- F. UL 325 - Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems Current Edition, Including All Revisions.
- G. WCMA A100.1 - Standard for Safety of Window Covering Products 2022.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Where motorized shades are to be controlled by control systems provided under other sections, coordinate the work with other trades to provide compatible products.
 - 2. Coordinate the work with other trades to provide rough-in of electrical wiring as required for installation of hardwired motorized shades.
- B. Preinstallation Meeting: Convene one week prior to commencing work related to products of this section; require attendance of affected installers.
- C. Sequencing:
 - 1. Do not fabricate shades until field dimensions for each opening have been taken with field conditions in place.
 - 2. Do not install shades until final surface finishes and painting are complete.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets, including materials, finishes, fabrication details, dimensions, profiles, mounting requirements, and accessories.
- C. Shop Drawings: Include shade schedule indicating size, location and keys to details, head, jamb and sill details, mounting dimension requirements for each product and condition, and operation direction.
- D. Selection Samples: Include fabric samples in full range of available colors and patterns.
 - 1. Motorized Shades: Include finish selections for controls.
- E. Operation and Maintenance Data: List of all components with part numbers, sources of supply, and operation and maintenance instructions; include copy of shop drawings.
- F. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of this type with minimum 10 years of documented experience with shading systems of similar size and type.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shades in manufacturer's unopened packaging, labeled to identify each shade for each opening.
- B. Handle and store shades in accordance with manufacturer's recommendations.

1.08 FIELD CONDITIONS

- A. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.09 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide manufacturer's warranty from Date of Substantial Completion, covering the following:
 - 1. Shade Hardware: 10 years.
 - 2. Electric Motors: 5 years.
 - 3. Fabric: 10 years.

PART 2 PRODUCTS

2.01 MANUFACTURERS

2.02 ROLLER SHADES

- A. General:

1. Provide shade system components that are easy to remove or adjust without removal of mounted shade brackets.
 2. Provide shade system that operates smoothly when shades are raised or lowered.
 3. Provide shade system that is Cradle-to-Cradle certified and listed in C2C (DIR).
 4. Motorized Shades: Motor system housed inside roller tube, controlling shade movement via motor controls indicated; listed or recognized to UL 325.
 - a. Comply with NFPA 70.
 - b. Electrical Components: Listed, classified, and labeled as suitable for the purpose intended. Where applicable, system components to be FCC compliant.
 - c. Motors: Size and configuration as recommended by manufacturer for the type, size, and arrangement of shades to be operated; integrated into shade operating components and concealed from view; fully compatible with controls to be installed.
- B. Roller Shades Alternate # 1 - Basis of Design: MechoShade Systems LLC; Mecho/5 System; www.mechoshade.com/#sle.
1. Description: Single roller, manually operated fabric window shades.
 - a. Drop Position: Regular roll.
 - b. Mounting: Recess mounted in ceiling pocket.
 - c. Size: As indicated on drawings.
 - d. Fabric: As indicated under Shade Fabric article.
 2. Brackets and Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
 3. Roller Tubes:
 - a. Material: Extruded aluminum.
 - b. Size: As recommended by manufacturer; selected for suitability for installation conditions, span, and weight of shades.
 - c. Fabric Attachment: Utilize extruded channel in tube to accept vinyl spline welded to fabric edge. Shade band to be removable and replaceable without removing roller tube from brackets or inserting spline from the side of the roller tube.
 - d. Capable of being removed and reinstalled without affecting roller shade limit adjustments.
 4. Hembars: Designed to maintain bottom of shade straight and flat.
 5. Clutch Operator: Manufacturer's standard material and design integrated with bracket/brake assembly.
 - a. Provide a permanently lubricated brake assembly mounted on an oil-impregnated hub with wrapped spring clutch.
 - b. Brake must withstand minimum pull force of 50 lb in the stopped position.
 - c. Mount clutch/brake assembly on the support brackets, fully independent of the roller tube components.
 6. Drive Chain: Continuous loop stainless steel beaded ball chain, 95 lb minimum breaking strength. Provide upper and lower limit stops.
 - a. Chain Retainer: Chain tensioning device complying with WCMA A100.1.
 7. Accessories:
 - a. Fascia: Extruded aluminum, size as required to conceal shade mounting, attachable to brackets without exposed fasteners; clear anodized finish.
 - 1) Color: Gray.
 - b. Ceiling Pockets: Premanufactured metal shade pocket with removable closure panel, for recess mounting in acoustical tile or drywall ceilings; size and configuration as indicated on

drawings.

- C. Roller Shades - Basis of Design: MechoShade Systems LLC; ElectroShade with iQ2-AC EDU, line voltage, 120 VAC: www.mechoshade.com/#sle.
1. Description: Single roller, motor-operated fabric window shade system complete with mounting brackets, roller tubes, hembars, hardware, and accessories.
 - a. Drop Position: Regular roll.
 - b. Mounting: Ceiling mounted.
 - c. Size: As indicated on drawings.
 - d. Fabric: As indicated under Shade Fabric article.
 2. Brackets and Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
 - a. Material: Steel, 1/8 inch thick.
 3. Roller Tubes:
 - a. Material: Extruded aluminum.
 - b. Size: As recommended by manufacturer; selected for suitability for installation conditions, span, and weight of shades.
 - c. Fabric Attachment: Utilize extruded channel in tube to accept vinyl spline welded to fabric edge. Shade band to be removable and replaceable without removing roller tube from brackets or inserting spline from the side of the roller tube.
 4. Hembars: Designed to maintain bottom of shade straight and flat.
 - a. Style: Full wrap fabric covered bottom bar, flat profile with heat sealed closed ends.
 5. Intelligent Encoded Electronic Drive System:
 - a. Line-Voltage EDU, 120 VAC:
 - 1) Audible Noise: 46 dBA or less measured 3 feet from motor unit, depending on motor torque.
 - b. Modes of Operation:
 - 1) Uniform Mode: Shades move only to defined intermediate stop positions to maintain aesthetic uniformity.
 - 2) Normal Mode: Shades move to defined intermediate stop positions plus any position between defined upper and lower limits.
 - 3) Maintenance Mode: Prevent shade from moving to newly commanded positions via dry contact or network control commands until EDU has been serviced or Maintenance Mode has been cleared or disabled.
 - c. Control Methods:
 - 1) Local isolated dry contact inputs support local switch control and third-party system integration without separate interface.
 - 2) Bidirectional network communication enables commanding operation of large groups of shades over common backbone.
 - 3) Provide minimum of three customizable preset positions accessible over network connection and local dry contact control inputs.
 - 4) Provide minimum of 32 customizable preset positions, including three local switch presets, accessible via network commands.
 6. Accessories:
 - a. Fascia: Removable extruded aluminum fascia, size as required to conceal shade mounting, attachable to brackets without exposed fasteners; baked enamel finish.
 - 1) Color: Gray.

- 2) Configuration: Captured; fascia stops at bracket end.
- b. Fasteners: Noncorrosive, and as recommended by shade manufacturer.

2.03 SHADE FABRIC

- A. Fabric: Nonflammable, color-fast, impervious to heat and moisture, and able to retain its shape under normal operation.
 - 1. Manufacturers:
 - a. MechoShade Systems LLC; Soho - 1100 Series (1% open): www.mechoshade.com/#sle.
 - b. Substitutions: See Section 01 60 00 - Product Requirements.
 - 2. Material: Vinyl coated polyester.
 - 3. Material Certificates and Product Disclosures:
 - a. Low-Emitting Material Certification: Greenguard Gold certified and listed in UL (GGG).
 - b. Cradle to Cradle Material Health Certificate: Achievement level of Bronze.
 - c. Health Product Declaration (HPD): Complete, published declaration with full disclosure of known hazards.
 - 4. Performance Requirements:
 - a. Flammability: Pass NFPA 701 large and small tests.
 - b. Fungal Resistance: No growth when tested according to ASTM G21.
 - 5. Roll Width: 72 inches.
 - 6. Color: As selected by Architect/Engineer from manufacturer's full range of colors.

2.04 MOTOR CONTROLS

- A. Unless specifically indicated to be excluded, provide all required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the control intent indicated.
- B. Provide all components and connections necessary to interface with other systems as indicated.
- C. Digital Network Controls:
 - 1. Intelligent Motors and Devices: Identifiable over network without separate interface.
 - 2. Provide suitable interface modules as indicated or as required for connection to standard (nonintelligent) motors and devices.
 - 3. Capable of reprogrammed control without requiring wiring modifications.
 - 4. Capable of assigning shade motors to shade groups/sub-groups.
 - 5. Capable of storing programmable open and close limits and minimum of three intermediate preset stop positions for each shade.
 - 6. Capable of aligning adjacent shades within accuracy of plus/minus 0.25 inch.
 - 7. Provide 10 year nonvolatile power failure memory for system configuration settings.
 - 8. Basis of Design: MechoShade Systems LLC; MechoNet: www.mechoshade.com/#sle.
 - a. Low-voltage network utilizes standard Category 5/6 UTP cable; maximum of 4,000 feet, 250 nodes.

2.05 ROLLER SHADE FABRICATION

- A. Field measure finished openings prior to ordering or fabrication.
- B. Dimensional Tolerances: Fabricate shades to fit openings within specified tolerances.
 - 1. Vertical Dimensions: Fill openings from head to sill with 1/2 inch space between bottom bar and window stool.

2. Horizontal Dimensions - Outside Mounting: Cover window frames, trim, and casings completely.

C. Dimensional Tolerances: As recommended in writing by manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine finished openings for deficiencies that may preclude satisfactory installation.
- B. If substrate preparation is the responsibility of another installer, notify Architect/Engineer of unsatisfactory preparation before proceeding.
- C. Start of installation shall be considered acceptance of substrates.

3.02 PREPARATION

- A. Prepare surfaces using methods recommended by manufacturer for achieving best result for substrate under the project conditions.
- B. Coordinate with window installation and placement of concealed blocking to support shades.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved shop drawings, using mounting devices as indicated.
- B. Replace shades that exceed specified dimensional tolerances at no extra cost to Owner.
- C. Adjust level, projection, and shade centering from mounting bracket. Verify there is no telescoping of shade fabric. Ensure smooth shade operation.

3.04 SYSTEM STARTUP

- A. Motorized Shade System: Provide services of a manufacturer's authorized representative to perform system startup.

3.05 CLEANING

- A. Clean soiled shades and exposed components as recommended by manufacturer.
- B. Replace shades that cannot be cleaned to "like new" condition.

3.06 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.
- B. See Section 01 79 00 - Demonstration and Training, for additional requirements.
- C. Demonstration: Demonstrate operation and maintenance of window shade system to Owner's personnel.
- D. Training: Train Owner's personnel on operation and maintenance of system.
 - 1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
 - 2. Provide minimum of two hours training by manufacturer's authorized personnel at location designated by the Owner.

3.07 PROTECTION

- A. Protect installed products from subsequent construction operations.
- B. Touch-up, repair, or replace damaged products before Substantial Completion.

3.08 MAINTENANCE

- A. See Section 01 70 00 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.

END OF SECTION

**SECTION 12 36 00
COUNTERTOPS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Countertops for architectural cabinet work.
- B. Wall-hung counters and vanity tops.

1.02 RELATED REQUIREMENTS

- A. Section 06 41 00 - Custom Casework.
- B. Section 22 40 00 - Plumbing Fixtures: Sinks.

1.03 REFERENCE STANDARDS

- A. ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications 2022.
- B. NEMA LD 3 - High-Pressure Decorative Laminates 2005.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Specimen warranty.
- C. Shop Drawings: Complete details of materials and installation; combine with shop drawings of cabinets and casework specified in other sections.
- D. Selection Samples: For each finish product specified, color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, minimum size 6 inches square, representing actual product, color, and patterns.
- F. Installation Instructions: Manufacturer's installation instructions and recommendations.
- G. Maintenance Data: Manufacturer's instructions and recommendations for maintenance and repair of countertop surfaces.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Company specializing in performing work of the type specified in this section, with not less than five years of experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. See Section 06 41 00 - Custom Casework.

1.07 FIELD CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.01 COUNTERTOPS

- A. Quality Standard: See Section 06 41 00.
- B. Plastic Laminate Countertops: High-pressure decorative laminate (HPDL) sheet bonded to substrate.
 - 1. Laminate Sheet: NEMA LD 3 Grade HGS, 0.048 inch nominal thickness.
 - a. Finish: Matte or suede, gloss rating of 5 to 20.
 - b. Surface Color and Pattern: As selected by Architect/Engineer from the manufacturer's full line.
 - 2. Exposed Edge Treatment: Square, substrate built up to minimum 1-1/4 inch thick; covered with plastic edgebanding.
 - 3. Back and End Splashes: Same material, same construction.

2.02 MATERIALS

- A. Plastic Edgebanding: Extruded 3mm PVC or ABS, flat shaped; smooth finish; bonded to edge of component; of width to match component thickness. Provide "flexible" PVC material for curved component edges.
 - 1. Manufacturers:
 - a. Charter Industries: www.charterindustries.com.
 - b. EdgeCo, Inc.: www.edgecoinc.com.
 - c. Frama-Tech, Inc.: www.framatech.net.
 - d. Teknaform: www.teknaform.com.
 - 2. Color: As shown on drawings.
 - 3. Use at exposed edges of plastic laminate countertops, backsplashes and sidesplashes.
- B. Medium Density Fiberboard for Supporting Substrate: ANSI A208.2.
- C. Adhesives: Chemical resistant waterproof adhesive as recommended by manufacturer of materials being joined.
- D. Joint Sealant: Mildew-resistant silicone sealant, clear.

2.03 FABRICATION

- A. Fabricate tops and splashes in the largest sections practicable, with top surface of joints flush.
 - 1. Join lengths of tops using best method recommended by manufacturer.
 - 2. Fabricate to overhang fronts and ends of cabinets 1 inch except where top butts against cabinet or wall.
 - 3. Prepare all cutouts accurately to size; replace tops having improperly dimensioned or unnecessary cutouts or fixture holes.
- B. Provide back/end splash wherever counter edge abuts vertical surface unless otherwise indicated.
 - 1. Secure to countertop with concealed fasteners and with contact surfaces set in waterproof glue.

- 2. Height: 4 inches, unless otherwise indicated.
- C. Wall-Mounted Counters: Provide skirts, aprons, brackets, and braces as indicated on the Drawings, finished to match.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect/Engineer of unsatisfactory preparation before proceeding.
- C. Verify that wall surfaces have been finished and mechanical and electrical services and outlets are installed in proper locations.

3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION

- A. Securely attach countertops to cabinets using concealed fasteners. Make flat surfaces level; shim where required.
- B. Attach plastic laminate countertops using screws with minimum penetration into substrate board of 5/8 inch.
- C. Seal joint between back/end splashes and vertical surfaces.

3.04 CLEANING

- A. Clean countertops surfaces thoroughly.

3.05 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION

**SECTION 21 05 00
COMMON WORK RESULTS FOR FIRE SUPPRESSION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Above ground piping.
- B. Escutcheons.
- C. Mechanical couplings.
- D. Pipe hangers and supports.
- E. Pipe sleeves.

1.02 RELATED REQUIREMENTS

- A. Section 21 13 00 - Fire-Suppression Sprinkler Systems: Sprinkler systems design.

1.03 REFERENCE STANDARDS

- A. ASME A112.18.1 - Plumbing Supply Fittings 2018, with Errata.
- B. ASME BPVC-IX - Boiler and Pressure Vessel Code, Section IX - Qualification Standard for Welding, Brazing, and Fusing Procedures; Welders; Brazers; and Welding, Brazing, and Fusing Operators 2023.
- C. ASME B16.1 - Gray Iron Pipe Flanges and Flanged Fittings: Classes 25, 125, and 250 2020.
- D. ASME B16.3 - Malleable Iron Threaded Fittings: Classes 150 and 300 2021.
- E. ASME B16.4 - Gray Iron Threaded Fittings: Classes 125 and 250 2021.
- F. ASME B16.9 - Factory-Made Wrought Buttwelding Fittings 2018.
- G. ASME B16.25 - Buttwelding Ends 2017.
- H. ASTM A47/A47M - Standard Specification for Ferritic Malleable Iron Castings 1999, with Editorial Revision (2022).
- I. ASTM A536 - Standard Specification for Ductile Iron Castings 1984, with Editorial Revision (2019).
- J. ASTM C592 - Standard Specification for Mineral Fiber Blanket Insulation and Blanket-Type Pipe Insulation (Metal-Mesh Covered) (Industrial Type) 2022a.
- K. AWWA C606 - Grooved and Shouldered Joints 2022.
- L. NFPA 13 - Standard for the Installation of Sprinkler Systems Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- M. UL (DIR) - Online Certifications Directory Current Edition.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturer's catalog information. Indicate valve data and ratings.

- C. Shop Drawings: Indicate pipe materials used, jointing methods, supports, and floor and wall penetration seals. Indicate installation, layout, weights, mounting and support details, and piping connections.
- D. Project Record Documents: Record actual locations of components and tag numbering.
- E. Operation and Maintenance Data: Include installation instructions and spare parts lists.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified in this section.
 1. Minimum three years experience.
- C. Conform to UL and FM requirements.
- D. Valves: Bear UL label or marking. Provide manufacturer's name and pressure rating marked on valve body.
- E. Products Requiring Electrical Connection: Listed and classified as suitable for the purpose specified and indicated.
- F. Clean equipment, pipes, valves, and fittings of grease, metal cuttings, and sludge that may have accumulated from the installation and testing of the system.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store valves in shipping containers, with labeling in place.
- B. Provide temporary protective coating on cast iron and steel valves.
- C. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Welding Materials and Procedures: Comply with ASME BPVC-IX.
- B. Provide system pipes, fittings, sleeves, escutcheons, seals, and other related accessories.

2.02 ABOVE GROUND PIPING

- A. Steel Pipe: Schedule 40, black.
 1. Steel Fittings: ASME B16.9 wrought steel, buttwelded or ASME B16.25 buttweld ends.
 2. Cast Iron Fittings: ASME B16.1, flanges and flanged fittings and ASME B16.4, threaded fittings.
 3. Malleable Iron Fittings: ASME B16.3, threaded fittings and ASTM A47/A47M.
 4. Mechanical Grooved Couplings: Malleable iron housing clamps to engage and lock, "C" shaped elastomeric sealing gasket, steel bolts, nuts, and washers; galvanized for galvanized pipe.

5. Mechanical Formed Fittings: Carbon steel housing with integral pipe stop and O-ring pocked and O-ring, uniformly compressed into permanent mechanical engagement onto pipe.

2.03 PIPE SLEEVES

- A. Vertical Piping:
 1. Sleeve Length: 1 inch above finished floor.
 2. Provide sealant for watertight joint.
 3. Blocked Out Floor Openings: Provide 1-1/2 inch angle set in silicon adhesive around opening.
 4. Drilled Penetrations: Provide 1-1/2 inch angle ring or square set in silicone adhesive around penetration.
- B. Plastic, Sheet Metal, or Moisture-Resistant Fiber: Pipe passing through interior walls, partitions, and floors, unless steel or brass sleeves are specified below.
- C. Clearances:
 1. Wall, Floor, Floor, Partitions, and Beam Flanges: 1 inch greater than external; pipe diameter.

2.04 ESCUTCHEONS

- A. Manufacturers:
 1. Fire Protection Products, Inc.
 2. Tyco Fire Protection Products.
 3. Viking Group Inc.
- B. Material:
 1. Fabricate from nonferrous metal.
 2. Chrome-plated.
 3. Metals and Finish: Comply with ASME A112.18.1.
- C. Construction:
 1. One-piece for mounting on chrome-plated tubing or pipe and one-piece or split-pattern type elsewhere.
 2. Internal spring tension devices or setscrews to maintain a fixed position against a surface.

2.05 PIPE HANGERS AND SUPPORTS

- A. Hangers for Pipe Sizes 1/2 to 1-1/2 inch: Malleable iron, adjustable swivel, split ring.
- B. Hangers for Pipe Sizes 2 inches and Over: Carbon steel, adjustable, clevis.
- C. Multiple or Trapeze Hangers: Steel channels with welded spacers and hanger rods.
- D. Wall Support for Pipe Sizes to 3 inches: Cast iron hook.
- E. Wall Support for Pipe Sizes 4 inches and Over: Welded steel bracket and wrought steel clamp.
- F. Vertical Support: Steel riser clamp.

2.06 MECHANICAL COUPLINGS

- A. Manufacturers:
 1. Anvil International.
 2. Tyco Fire Protection Products.

3. Victaulic Company; FireLock Style 009H.
- B. Rigid Mechanical Couplings for Grooved Joints:
1. Dimensions and Testing: Comply with AWWA C606.
 2. Minimum Working Pressure: 300 psig.
 3. Housing Material: Fabricate of ductile iron complying with ASTM A536.
 4. Housing Coating: Factory applied orange enamel.
 5. Gasket Material: EPDM suitable for operating temperature range from minus 30 degrees F to 230 degrees F.
 6. Bolts and Nuts: Hot-dipped-galvanized or zinc-electroplated steel.

PART 3 EXECUTION

3.01 PREPARATION

- A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
- B. Remove scale and foreign material, from inside and outside, before assembly.
- C. Prepare piping connections to equipment with flanges or unions.

3.02 INSTALLATION

- A. Install sprinkler system and service main piping, hangers, and supports in accordance with NFPA 13.
- B. Route piping in orderly manner, plumb and parallel to building structure. Maintain gradient.
- C. Install piping to conserve building space, to not interfere with use of space and other work.
- D. Group piping whenever practical at common elevations.
- E. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.
- F. Inserts:
 1. Provide inserts for placement in concrete formwork.
 2. Provide inserts for suspending hangers from reinforced concrete slabs and sides of reinforced concrete beams.
 3. Where inserts are omitted, drill through concrete slab from below and provide through-bolt with recessed square steel plate and nut flush with top of slab.
- G. Pipe Hangers and Supports:
 1. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
 2. Place hangers within 12 inches of each horizontal elbow.
 3. Use hangers with 1-1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
 4. Support vertical piping at every other floor. Support riser piping independently of connected horizontal piping.
 5. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.

- H. Slope piping and arrange systems to drain at low points. Use eccentric reducers to maintain top of pipe level.
- I. Prepare pipe, fittings, supports, and accessories for finish painting. Where pipe support members are welded to structural building framing, scrape, brush clean, and apply one coat of zinc-rich primer to welding.
- J. Do not penetrate building structural members unless indicated.
- K. Provide sleeves when penetrating floors, walls, and partitions and seal pipe and sleeve penetrations to achieve fire resistance equivalent to fire separation required.
 - 1. Aboveground Piping:
 - a. Pack solid using mineral fiber complying with ASTM C592.
 - b. Fill space with an elastomer caulk to a depth of 0.50 inch where penetrations occur between conditioned and unconditioned spaces.
 - 2. Caulk exterior wall sleeves watertight with lead and oakum or mechanically expandable chloroprene inserts with mastic-sealed components.
- L. Escutcheons:
 - 1. Install and firmly attach escutcheons at piping penetrations into finished spaces.
 - 2. Provide escutcheons on both sides of partitions separating finished areas through which piping passes.
 - 3. Attach plates at the underside only of suspended ceilings.
 - 4. Use chrome plated escutcheons in occupied spaces and to conceal openings in construction.
- M. When installing more than one piping system material, ensure system components are compatible and joined to ensure the integrity of the system. Provide necessary joining fittings. Ensure flanges, unions, and couplings for servicing are consistently provided.

3.03 CLEANING

- A. Upon completion of work, clean all parts of the installation.
- B. Clean equipment, pipes, valves, and fittings of grease, metal cuttings, and sludge that may have accumulated from the installation and testing of the system.

END OF SECTION

**SECTION 21 13 00
FIRE-SUPPRESSION SPRINKLER SYSTEMS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Wet-pipe sprinkler system.
- B. System design, installation, and certification.

1.02 RELATED REQUIREMENTS

- A. Section 21 05 00 - Common Work Results for Fire Suppression: Pipe and fittings.
- B. Section 26 05 83 - Wiring Connections: Electrical characteristics and wiring connections.

1.03 REFERENCE STANDARDS

- A. FM (AG) - FM Approval Guide Current Edition.
- B. ITS (DIR) - Directory of Listed Products Current Edition.
- C. NFPA 13 - Standard for the Installation of Sprinkler Systems Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. UL (DIR) - Online Certifications Directory Current Edition.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on sprinklers, valves, and specialties, including manufacturers catalog information. Submit performance ratings, rough-in details, weights, support requirements, and piping connections.
- C. Shop Drawings:
 - 1. Indicate hydraulic calculations, detailed pipe layout, hangers and supports, sprinklers, components, and accessories. Indicate system controls.
 - 2. Submit shop drawings to Authorities Having Jurisdiction for approval. Submit proof of approval to Architect/Engineer.
- D. Operation and Maintenance Data: Include components of system, servicing requirements, record drawings, inspection data, replacement part numbers and availability, and location and numbers of service depot.
- E. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements for additional provisions.
 - 2. Extra Sprinklers: Type and size matching those installed in quantity required by referenced NFPA design and installation standard.
 - 3. Sprinkler Wrenches: For each sprinkler type.
- F. Project Record Documents: Record actual locations of sprinklers and deviations of piping from drawings. Indicate drain and test locations.

1.05 QUALITY ASSURANCE

- A. Conform to FM (AG) requirements.
- B. Designer Qualifications: Design system under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located.
Or a holder of a valid NICET level III or IV Sprinkler Technician.
- C. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- D. Installer Qualifications: Company specializing in performing the work of this section with minimum 3 years experience approved by manufacturer.
- E. Equipment and Components: Provide products that bear ITS (DIR) label or marking.
- F. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified and indicated.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store products in shipping containers and maintain in place until installation. Provide temporary inlet and outlet caps. Maintain caps in place until installation.

PART 2 PRODUCTS

2.01 SPRINKLER SYSTEM

- A. Sprinkler System: Provide coverage for building areas noted.
- B. Water Supply: Determine volume and pressure from water flow test data.
- C. Storage Cabinet for Spare Sprinklers and Tools: Steel, located adjacent to alarm valve.

2.02 SPRINKLERS

- A. Suspended Ceiling Type: Semi-recessed pendant type with matching push on escutcheon plate.
 - 1. Response Type: Standard.
 - 2. Coverage Type: Standard.
 - 3. Finish: Chrome plated.
 - 4. Escutcheon Plate Finish: Chrome plated.
 - 5. Fusible Link: Glass bulb type temperature rated for specific area hazard.
- B. Exposed Area Type: Upright type with guard.
 - 1. Response Type: Standard.
 - 2. Coverage Type: Standard.
 - 3. Finish: Brass.
 - 4. Fusible Link: Glass bulb type temperature rated for specific area hazard.
- C. Guards: Finish to match sprinkler finish.

2.03 STAINLESS STEEL FLEXIBLE DROPS

- A. Manufacturers:

1. Flex Head Industries, Inc.
 2. Aqua Flex.
 3. Victaulic Company.
- B. In lieu of rigid pipe offsets or return bends. Braided type 304 stainless steel flexible tube with male threaded pipe nipple for connection to branchline piping, and a zinc plated steel reducer with a 1/2" or 3/4" NPT female thread for connection to a sprinkler head. The hoses shall be factory-pressure tested to 400 psi.
- C. Flexible drop shall attach to the ceiling grid with open gate bracket and can be installed without the use of special tools.
- D. The braided drop shall be FM approved for sprinkler services to 200 psi.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with referenced NFPA design and installation standard.
- B. Install equipment in accordance with manufacturer's instructions.
- C. Place pipe runs to minimize obstruction to other work.
- D. Place piping in concealed spaces above finished ceilings.
- E. Center sprinklers in two directions in ceiling tile and provide piping offsets as required.
- F. Apply masking tape or paper cover to ensure concealed sprinklers, cover plates, and sprinkler escutcheons do not receive field paint finish. Remove after painting. Replace painted sprinklers.
- G. Flush entire piping system of foreign matter.
- H. Install guards on sprinklers exposed sprinklers within 8' of finished floor.

3.02 INTERFACE WITH OTHER PRODUCTS

- A. Ensure required devices are installed and connected as required to fire alarm system.

3.03 SCHEDULES

- A. System Hazard Areas:
 1. Offices: Light Hazard.
 2. Equipment and Storage Rooms: Ordinary Hazard, Group 2.
 3. Other Areas: In accordance with NFPA 13.

END OF SECTION

**SECTION 22 05 53
IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Tags.
- B. Pipe markers.

1.02 REFERENCE STANDARDS

- A. ASME A13.1 - Scheme for the Identification of Piping Systems 2020.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Schedules:
 - 1. Submit plumbing component identification schedule listing equipment, piping, and valves.
 - 2. Valve Data Format: Include id-number, location, function, and model number. Coordinate with owner on exact valve number format.
- C. Project Record Documents: Record actual locations of tagged valves.

PART 2 PRODUCTS

2.01 PLUMBING COMPONENT IDENTIFICATION GUIDELINE

- A. Tags:
 - 1. Piping: 3/4 inch diameter and smaller.
 - 2. Manual operated and automated control valves.
- B. Pipe Markers: 3/4 inch diameter and higher.

2.02 TAGS

- A. Manufacturers:
 - 1. Brimar Industries, Inc..
 - 2. Craftmark Pipe Markers.
 - 3. Kolbi Pipe Marker Co..
 - 4. Seton Identification Products.
- B. Plastic Tags: Laminated three-layer plastic with engraved black letters on light contrasting background color. Tag size minimum 1-1/2 inch diameter.
- C. Valve Tag Chart: Typewritten 12-point letter size list in anodized aluminum frame.

2.03 PIPE MARKERS

- A. Manufacturers:
 - 1. Brimar Industries, Inc.
 - 2. Craftmark Pipe Markers.
 - 3. Kolbi Pipe Marker Co..

- 4. Seton Identification Products.
- B. Comply with ASME A13.1.
- C. Flexible Marker: Factory fabricated, semi-rigid, preformed to fit around pipe or pipe covering; minimum information indicating flow direction arrow and identification of fluid conveyed.
- D. Flexible Tape Marker: Flexible, vinyl film tape with pressure-sensitive adhesive backing and printed markings.
- E. Identification Scheme, ASME A13.1:
 - 1. Primary: External Pipe Diameter, Uninsulated or Insulated.
 - a. 3/4 to 1-1/4 inches: Use 8 inch field-length with 1/2 inch text height.
 - b. 1-1/2 to 2 inches: Use 8 inch field-length with 3/4 inch text height.
 - c. 2-1/2 to 6 inches: Use 12 inch field-length with 1-1/4 inch text height.
 - 2. Secondary: Color scheme per fluid service.
 - a. Cold Potable Water; White text on green background.
 - b. Hot and Hot Water Recirculation Potable Water; Black text on yellow background.
 - 3. Tertiary: Other Details.
 - a. Directional flow arrow.

PART 3 EXECUTION

3.01 PREPARATION

- A. Degrease and clean surfaces to receive identification products.

3.02 INSTALLATION

- A. Install tags in clear view and align with axis of piping
- B. Install plastic pipe markers in accordance with manufacturer's instructions.
- C. Install plastic tape pipe marker around pipe in accordance with manufacturer's instructions.
- D. Apply ASME A13.1 Pipe Marking Rules:
 - 1. Place pipe marker adjacent to changes in direction.
 - 2. Place pipe marker adjacent each valve port and flange end.
 - 3. Place pipe marker at both sides of floor and wall penetrations.
 - 4. Place pipe marker every 25 to 50 feet interval of straight run.

END OF SECTION

**SECTION 22 07 19
PLUMBING PIPING INSULATION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Glass fiber insulation.
- B. Jacketing and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 22 10 05 - Plumbing Piping: Placement of hangers and hanger inserts.

1.03 REFERENCE STANDARDS

- A. ASTM C177 - Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus 2019, with Editorial Revision (2023).
- B. ASTM C195 - Standard Specification for Mineral Fiber Thermal Insulating Cement 2007 (Reapproved 2019).
- C. ASTM C547 - Standard Specification for Mineral Fiber Pipe Insulation 2022a.
- D. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2023.
- E. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials 2022a, with Editorial Revision (2023).
- F. UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide product description, thermal characteristics, list of materials and thickness for each service, and locations.
- C. Manufacturer's Instructions: Indicate installation procedures that ensure acceptable workmanship and installation standards will be achieved.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with not less than three years of documented experience.
- B. Applicator Qualifications: Company specializing in performing the type of work specified in this section with minimum three years of experience.
- C. Comply with the Midwest Insulation Contractors Association "National Commercial and Industrial Insulation Standards".

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Accept materials on site, labeled with manufacturer's identification, product density, and thickness.

1.07 FIELD CONDITIONS

- A. Maintain ambient conditions required by manufacturers of each product.
- B. Maintain temperature before, during, and after installation for minimum of 24 hours.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

- A. Surface Burning Characteristics: Flame spread index/Smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84, UL 723, ASTM E84, or UL 723.

2.02 GLASS FIBER INSULATION

- A. Manufacturers:
 - 1. CertainTeed Corporation.
 - 2. Johns Manville Corporation.
 - 3. Knauf Insulation.
 - 4. Owens Corning Corporation.
- B. Insulation: ASTM C547 and ASTM C795; semi-rigid, noncombustible, end grain adhered to jacket.
 - 1. K Value: ASTM C177, 0.24 at 75 degrees F.
 - 2. Maximum Service Temperature: 650 degrees F.
 - 3. Maximum Moisture Absorption: 0.2 percent by volume.
- C. Vapor Barrier Jacket: White Kraft paper with glass fiber yarn, bonded to aluminized film; moisture vapor transmission when tested in accordance with ASTM E96/E96M of 0.02 perm.
- D. Vapor Barrier Lap Adhesive: Compatible with insulation.
- E. Insulating Cement/Mastic: ASTM C195; hydraulic setting on mineral wool.

2.03 JACKETING AND ACCESSORIES

- A. PVC Plastic Jacket:
 - 1. Jacket: One piece molded type fitting covers, off-white color.
 - a. Minimum Service Temperature: 0 degrees F.
 - b. Maximum Service Temperature: 150 degrees F.
 - c. Moisture Vapor Permeability: 0.002 perm inch, maximum, when tested in accordance with ASTM E96/E96M.
 - d. Thickness: 10 mil, 0.010 inch.
 - e. Connections: Brush on welding adhesive.
 - 2. Covering Adhesive Mastic: Compatible with insulation.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that piping has been tested before applying insulation materials.
- B. Verify that surfaces are clean and dry, with foreign material removed.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

- B. Install in accordance with North American Insulation Manufacturers Association (NAIMA) National Insulation Standards.
- C. Exposed Piping: Locate insulation and cover seams in least visible locations.
- D. Insulated pipes conveying fluids below ambient temperature: Insulate entire system including fittings, valves, unions, flanges, strainers, flexible connections, and expansion joints. All hangers, supports, anchors and other projections that are in contact to cold surfaces shall be insulated and vapor sealed to prevent condensation.
- E. Glass fiber insulated pipes conveying fluids below ambient temperature:
 - 1. Provide vapor barrier jackets, factory-applied or field-applied. Secure with self-sealing longitudinal laps and butt strips with pressure-sensitive adhesive. Secure with outward clinch expanding staples and vapor barrier mastic.
 - 2. Insulate fittings, joints, and valves with molded insulation of like material and thickness as adjacent pipe. Finish with glass cloth and vapor barrier adhesive or PVC fitting covers.
- F. For hot piping conveying fluids 140 degrees F or less, do not insulate flanges and unions at equipment, but bevel and seal ends of insulation.
- G. Glass fiber insulated pipes conveying fluids above ambient temperature:
 - 1. Provide standard jackets, with or without vapor barrier, factory-applied or field-applied. Secure with self-sealing longitudinal laps and butt strips with pressure-sensitive adhesive. Secure with outward clinch expanding staples.
 - 2. Insulate fittings, joints, and valves with insulation of like material and thickness as adjoining pipe. Finish with glass cloth and adhesive or PVC fitting covers.
- H. Inserts and Shields:
 - 1. Shields: Galvanized steel between pipe hangers or pipe hanger rolls and inserts.
 - 2. Insert Location: Between support shield and piping and under the finish jacket.
 - 3. Insert Configuration: Minimum 6 inches long, of same thickness and contour as adjoining insulation; may be factory fabricated.
 - 4. Insert Material: Hydrous calcium silicate insulation or other heavy density insulating material suitable for the planned temperature range.
- I. Apply insulation at pipe hangers and supports according to National Commercial and Industrial Standards Plate Numbers 5, 6 and 7.

3.03 SCHEDULES

- A. Plumbing Systems:
 - 1. Domestic Hot Water Supply:
 - a. Glass Fiber Insulation:
 - 1) Pipe Size Range: Up to and including 2 inch.
 - a) Thickness: 1 inch.
 - 2. Domestic Hot Water Recirculation:
 - a. Glass Fiber Insulation:
 - 1) Pipe Size Range: All sizes.
 - a) Thickness: 1 inch.
 - 3. Domestic Cold Water:
 - a. Glass Fiber Insulation:

- 1) Pipe Size Range: All sizes.
 - a) Thickness: 1 inch.

END OF SECTION

**SECTION 22 10 05
PLUMBING PIPING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Sanitary waste piping, above grade.
- B. Domestic water piping, above grade.
- C. Pipe flanges, unions, and couplings.
- D. Pipe hangers and supports.
- E. Valves
 - 1. Ball valves.

1.02 RELATED REQUIREMENTS

- A. Section 22 05 53 - Identification for Plumbing Piping and Equipment.
- B. Section 22 07 19 - Plumbing Piping Insulation.

1.03 REFERENCE STANDARDS

- A. ASME B16.18 - Cast Copper Alloy Solder Joint Pressure Fittings 2021.
- B. ASME B16.22 - Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings 2021.
- C. ASME B16.23 - Cast Copper Alloy Solder Joint Drainage Fittings: DWV 2021.
- D. ASME B16.29 - Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage Fittings—DWV 2017.
- E. ASTM A74 - Standard Specification for Cast Iron Soil Pipe and Fittings 2021.
- F. ASTM B32 - Standard Specification for Solder Metal 2020.
- G. ASTM B306 - Standard Specification for Copper Drainage Tube (DWV) 2020.
- H. ASTM B813 - Standard Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube 2016.
- I. ASTM B828 - Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings 2016.
- J. ASTM C564 - Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings 2020a.
- K. ASTM C1277 - Standard Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings 2020.
- L. AWWA C651 - Disinfecting Water Mains 2014, with Addendum (2020).
- M. CISPI 301 - Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications 2021.

- N. CISPI 310 - Specification for Coupling for Use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Applications 2020.
- O. MSS SP-58 - Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation 2018, with Amendment (2019).
- P. NSF 61 - Drinking Water System Components - Health Effects 2022, with Errata.
- Q. NSF 372 - Drinking Water System Components - Lead Content 2022.
- R. Safe Drinking Water Act, Section 1417 - Lead Free: Refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content $\leq 0.25\%$, Amended January 4, 2011.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on pipe materials, pipe fittings, valves, and accessories. Provide manufacturers catalog information. Indicate valve data and ratings.
- C. Project Record Documents: Record actual locations of valves.

1.05 QUALITY ASSURANCE

- A. Perform work in accordance with applicable codes.
- B. Valves: Manufacturer's name and pressure rating marked on valve body. Manufacturers lead free marking on valve body.
- C. Perform Work in accordance with City plumbing ordinances.
- D. Perform Work in accordance with Fox Metro Water Reclamation District (Sanitary sewer contractor shall be bonded with Fox Metro).

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Accept valves on site in shipping containers with labeling in place. Inspect for damage.
- B. Provide temporary protective coating on cast iron and steel valves.
- C. Provide temporary end caps and closures on piping and fittings. Maintain in place until installation.
- D. Protect piping systems from entry of foreign materials by temporary covers, completing sections of the work, and isolating parts of completed system.

1.07 FIELD CONDITIONS

- A. Do not install underground piping when bedding is wet or frozen.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Potable Water Supply Systems: Provide piping, pipe fittings, and solder and flux (if used), that comply with NSF 61 and NSF 372 for maximum lead content; label pipe and fittings.

2.02 SANITARY WASTE PIPING, ABOVE GRADE

- A. Cast Iron Pipe: ASTM A74, service weight.
 - 1. Fittings: Cast iron.
 - 2. Joint Seals: ASTM C564 neoprene gaskets, or lead and oakum.
- B. Cast Iron Pipe: CISPI 301, hubless, service weight.
 - 1. Fittings: Cast iron.
 - 2. Joints: CISPI 310, neoprene gaskets and stainless steel clamp-and-shield assemblies.
- C. Copper Tube: ASTM B306, DWV.
 - 1. Fittings: ASME B16.29, wrought copper, or ASME B16.23, solvent.
 - 2. Joints: ASTM B32, alloy Sn50 solder.

2.03 DOMESTIC WATER PIPING, ABOVE GRADE

- A. Copper Tube: ASTM B88 (ASTM B88M), Type L (B), Drawn (H).
 - 1. Fittings: ASME B16.18, cast copper alloy or ASME B16.22, wrought copper and bronze.
 - 2. Joints: ASTM B32, alloy Sn95 solder for 2" and under.
 - 3. Joints: AWS A5.8M/A5.8, BCuP copper/silver braze for 2-1/2" and over.
 - 4. Mechanical Press Sealed Fittings: Double pressed type, NSF 61 approved or certified, utilizing EPDM, non toxic synthetic rubber sealing elements. Sealing elements shall be factory installed by fitting manufacturer. Press ends shall have means to indicate non-pressed fitting during pressure testing.
 - a. Manufacturers:
 - 1) Viega LLC.
 - 2) Nibco.

2.04 PIPE FLANGES, UNIONS, AND COUPLINGS

- A. Unions for Pipe Sizes 3 inch and Under:
 - 1. Ferrous Pipe: Class 150 malleable iron threaded unions.
 - 2. Copper Tube and Pipe: Class 150 bronze unions with soldered joints.
- B. Flanges for Pipe Sizes Over 1 inch:
 - 1. Ferrous Pipe: Class 150 malleable iron threaded or forged steel slip-on flanges; preformed neoprene gaskets.
 - 2. Copper Tube and Pipe: Class 150 slip-on bronze flanges; preformed neoprene gaskets.
- C. No-Hub Couplings:
 - 1. Testing: In accordance with ASTM C1277 and CISPI 310.
 - 2. Gasket Material: Neoprene complying with ASTM C564.
 - 3. Band Material: Stainless steel.
 - 4. Eyelet Material: Stainless steel.
- D. Dielectric Connections: Union with galvanized or plated steel threaded end, copper solder end, water impervious isolation barrier.

2.05 PIPE HANGERS AND SUPPORTS

- A. Provide hangers and supports that comply with MSS SP-58.

1. If type of hanger or support for a particular situation is not indicated, select appropriate type using MSS SP-58 recommendations.
 2. Overhead Supports: Individual steel rod hangers attached to structure or to trapeze hangers.
 3. Trapeze Hangers: Welded steel channel frames attached to structure.
 4. Vertical Pipe Support: Steel riser clamp.
- B. Plumbing Piping - Drain, Waste, and Vent:
1. Hangers for Pipe Sizes 1/2 to 1-1/2 inch: Malleable iron, adjustable swivel, split ring.
 2. Hangers for Pipe Sizes 2 inch and Over: Carbon steel, adjustable, clevis.
 3. Wall Support for Pipe Sizes to 3 inch: Cast iron hook.
 4. Wall Support for Pipe Sizes 4 inch and Over: Welded steel bracket and wrought steel clamp.
 5. Copper Pipe Support: Carbon steel ring, adjustable, copper plated.
- C. Plumbing Piping - Water:
1. Hangers for Pipe Sizes 1/2 to 1-1/2 inch: Malleable iron, adjustable swivel, split ring.
 2. Hangers for Cold Pipe Sizes 2 inch and Over: Carbon steel, adjustable, clevis.
 3. Wall Support for Pipe Sizes Up to 3 inch: Cast iron hook.
 4. Copper Pipe Support: Carbon steel ring, adjustable, copper plated.
 5. Strut mounted pipe shall have clamps with insert for pipe support to allow for continuous insulation at clamp. Manufacturer; Klo-Shure insulation couplings

2.06 BALL VALVES

- A. Manufacturers:
1. Apollo Valves.
 2. Grinnell Products: www.grinnell.com/#sle.
 3. Nibco, Inc; T/S-585-66-LF.
 4. Watts.
 5. Milwaukee Valve Company.
- B. Construction, 4 Inches and Smaller: MSS SP-110, Class 150, 400 psi CWP, bronze body, 304 stainless steel ball, regular port, teflon seats and stuffing box ring, blow-out proof stem, lever handle with balancing stops, solder, threaded, or grooved ends.

2.07 PIPING SPECIALTIES

- A. Thermostatic Flow Controls:
1. Manufacturers:
 - a. ThermOmegaTech; Circuit Solver, Model CS-1/2-115
 - b. Substitutions: See Section 01 60 00 - Product Requirements.
 2. Flow control assembly with self-acting thermostatic recirculation valve which automatically and continuously maintains potable hot water supply at the specified water temperature. As the water temperature increases the valve shall proportionally close dynamically adjusting flow regardless of system operating pressure.
 3. Construction: Major components constructed of type 303 SS, all lead free components, thermal actuator shall be spring loaded and self-cleaning. Rated to 200 psig maximum working pressure and 250 degrees F maximum working temperature.
 4. Components: Assembly consisting of thermal actuator, check valve, and isolation ball valves on both ends.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that excavations are to required grade, dry, and not over-excavated.

3.02 PREPARATION

- A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
- B. Remove scale and dirt, on inside and outside, before assembly.
- C. Prepare piping connections to equipment with flanges or unions.
- D. Review millwork shop drawings. Confirm location and size of fixtures and openings before rough-in and installation.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Provide non-conducting dielectric connections wherever jointing dissimilar metals.
- C. Route piping in orderly manner and maintain gradient. Route parallel and perpendicular to walls.
- D. Install piping to maintain headroom, conserve space, and not interfere with use of space.
- E. Group piping whenever practical at common elevations.
- F. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.
- G. Provide clearance in hangers and from structure and other equipment for installation of insulation and access to valves and fittings.
- H. Provide access where valves and fittings are not exposed.
- I. Install vent piping penetrating roofed areas to maintain integrity of roof assembly.
- J. Prepare exposed, unfinished pipe, fittings, supports, and accessories for finish painting.
- K. Install bell and spigot pipe with bell end upstream.
- L. Install valves with stems upright or horizontal, not inverted. See Section 22 05 23.
- M. Copper Pipe and Tube: Make soldered joints in accordance with ASTM B828, using specified solder, and flux meeting ASTM B813; in potable water systems use flux also complying with NSF 61 and NSF 372.
- N. Sleeve pipes passing through partitions, walls, and floors.
- O. Pipe Hangers and Supports:
 - 1. Support horizontal piping as indicated.
 - 2. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
 - 3. Place hangers within 12 inches of each horizontal elbow.

4. Use hangers with 1-1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
5. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.
6. Provide copper plated hangers and supports for copper piping.
7. Prime coat exposed steel hangers and supports. Hangers and supports located in crawl spaces, pipe shafts, and suspended ceiling spaces are not considered exposed.
8. Support cast iron drainage piping at every joint.

3.04 APPLICATION

- A. Use grooved mechanical couplings and fasteners only in accessible locations.
- B. Install ball valves for shut-off and to isolate equipment, part of systems, or vertical risers.
- C. Provide flow controls in water recirculating systems where indicated.

3.05 TOLERANCES

- A. Drainage Piping: Establish invert elevations within 1/2 inch vertically of location indicated and slope to drain at minimum of 1/8 inch per foot slope.
- B. Water Piping: Slope at minimum of 1/32 inch per foot and arrange to drain at low points.

3.06 DISINFECTION OF DOMESTIC WATER PIPING SYSTEM

- A. Prior to starting work, verify system is complete, flushed, and clean.
- B. Ensure acidity (pH) of water to be treated is between 7.4 and 7.6 by adding alkali (caustic soda or soda ash) or acid (hydrochloric).
- C. Inject disinfectant, free chlorine in liquid, powder, tablet, or gas form throughout system to obtain 50 to 80 mg/L residual.
- D. Bleed water from outlets to ensure distribution and test for disinfectant residual at minimum 15 percent of outlets.
- E. Maintain disinfectant in system for 24 hours.
- F. If final disinfectant residual tests less than 25 mg/L, repeat treatment.
- G. Flush disinfectant from system until residual equal to that of incoming water or 1.0 mg/L.
- H. Take samples no sooner than 24 hours after flushing, from 10 percent of outlets and from water entry, and analyze in accordance with AWWA C651.

3.07 SCHEDULES

- A. Pipe Hanger Spacing:
 1. Metal Piping:
 - a. Pipe Size: 1/2 inch to 1-1/4 inch:
 - 1) Maximum Hanger Spacing: 6.5 ft.
 - 2) Hanger Rod Diameter: 3/8 inches.
 - b. Pipe Size: 1-1/2 inch to 2 inch:
 - 1) Maximum Hanger Spacing: 10 ft.

- 2) Hanger Rod Diameter: 3/8 inch.
- c. Pipe Size: 2-1/2 inch to 3 inch:
 - 1) Maximum Hanger Spacing: 10 ft.
 - 2) Hanger Rod Diameter: 1/2 inch.
- d. Pipe Size: 4 inch to 6 inch:
 - 1) Maximum Hanger Spacing: 10 ft.
 - 2) Hanger Rod Diameter: 5/8 inch.

END OF SECTION

**SECTION 22 10 06
PLUMBING PIPING SPECIALTIES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Drains.
- B. Cleanouts.
- C. Refrigerator valve and recessed box.
- D. Water hammer arrestors.
- E. Air vents.

1.02 RELATED REQUIREMENTS

- A. Section 22 10 05 - Plumbing Piping.
- B. Section 22 40 00 - Plumbing Fixtures.

1.03 REFERENCE STANDARDS

- A. ASME A112.6.3 - Floor and Trench Drains 2019.
- B. ASSE 1012 - Performance Requirements for Backflow Preventers with an Intermediate Atmospheric Vent 2021.
- C. ASSE 1013 - Performance Requirements for Reduced Pressure Principle Backflow Prevention Assemblies 2021.
- D. ASSE 1019 - Performance Requirements for Wall Hydrant with Backflow Protection and Freeze Resistance 2011 (Reaffirmed 2016).
- E. NSF 61 - Drinking Water System Components - Health Effects 2022, with Errata.
- F. NSF 372 - Drinking Water System Components - Lead Content 2022.
- G. PDI-WH 201 - Water Hammer Arresters 2017.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide component sizes, rough-in requirements, service sizes, and finishes.
- C. Maintenance Data: Include installation instructions, spare parts lists, exploded assembly views.
- D. Project Record Documents: Record actual locations of equipment, cleanouts, backflow preventers, water hammer arrestors.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Accept specialties on site in original factory packaging. Inspect for damage.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Specialties in Potable Water Supply Systems: Provide products that comply with NSF 61 and NSF 372 for maximum lead content.

2.02 DRAINS

- A. Manufacturers:
 - 1. Jay R. Smith Manufacturing Company.
 - 2. Zurn Industries, Inc.
 - 3. MIFAB.
- B. Floor Drain (FD-1):
 - 1. ASME A112.6.3; lacquered cast iron two piece body with double drainage flange, weep holes, reversible clamping collar, and 6 inch round, adjustable stainless steel strainer.
 - 2. J.R. Smith Model 2005-A06SS.

2.03 CLEANOUTS

- A. Manufacturers:
 - 1. Jay R. Smith Manufacturing Company.
 - 2. Zurn Industries, Inc.
 - 3. MIFAB.
- B. Cleanouts at Interior Finished Floor Areas FCO:
 - 1. Lacquered cast iron body with anchor flange, threaded scoriated secured stainless steel top, and ABS gasketed plug.
 - 2. J.R. Smith Model 4020-SS.
- C. Cleanouts at Interior Finished Wall Areas:
 - 1. Line type with lacquered cast iron body and round taper threaded bronze plug, and round stainless steel access cover secured with machine screw.
 - 2. J.R. Smith Model 4422.
- D. Cleanouts at Interior Unfinished Accessible Areas: Calked or threaded type. Provide bolted stack cleanouts on vertical rainwater leaders.
 - 1. J.R. Smith Model 4510.

2.04 REFRIGERATOR VALVE AND RECESSED BOX (IB)

- A. Box Manufacturers:
 - 1. IPS Corporation/Guy Gray; Model MIB.
 - 2. Oatey Supply Chain Services, Inc; Model 39141.
- B. Description: Recessed 18 gauge metal box and faceplate, white powder coated with chrome plated quarter-turn valve.

2.05 WATER HAMMER ARRESTORS

- A. Manufacturers:
 - 1. Jay R. Smith Manufacturing Company.

2. Oatey; Model Quiet Pipes.
3. Watts Regulator Company.
4. MIFAB.

B. Water Hammer Arrestors:

1. Copper construction, piston type sized in accordance with PDI-WH 201, precharged suitable for operation in temperature range minus 100 to 300 degrees F and maximum 250 psi working pressure.
2. J.R. Smith; Model 5000 Series.

2.06 AIR VENTS

A. Manufacturers:

1. ITT Bell & Gossett.
2. Taco, Inc.
3. Watts Regulator Company.

B. Manual Type: Short vertical sections of 2 inch diameter pipe to form air chamber, with 1/8 inch brass needle valve at top of chamber.

C. Float Type:

1. Brass or semi-steel body, copper, polypropylene, or solid non-metallic float, stainless steel valve and valve seat; suitable for system operating temperature and pressure; with isolating valve.
2. Cast iron body and cover, float, bronze pilot valve mechanism suitable for system operating temperature and pressure; with isolating valve.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Extend cleanouts to finished floor or wall surface. Lubricate threaded cleanout plugs with mixture of graphite and linseed oil. Ensure clearance at cleanout for rodding of drainage system.
- C. Install floor cleanouts at elevation to accommodate finished floor.
- D. Install water hammer arrestors complete with accessible isolation valve on hot and cold water supply piping to plumbing fixtures.

END OF SECTION

**SECTION 22 40 00
PLUMBING FIXTURES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Flush valve water closets.
- B. Lavatories.
- C. Sinks.

1.02 RELATED REQUIREMENTS

- A. Section 22 10 05 - Plumbing Piping.
- B. Section 22 10 06 - Plumbing Piping Specialties.

1.03 REFERENCE STANDARDS

- A. ASME A112.6.1M - Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use 1997 (Reaffirmed 2017).
- B. ASME A112.19.2 - Ceramic Plumbing Fixtures 2018, with Errata.
- C. ASME A112.19.5 - Flush Valves and Spuds for Water Closets, Urinals, and Tanks 2022.
- D. NSF 61 - Drinking Water System Components - Health Effects 2022, with Errata.
- E. NSF 372 - Drinking Water System Components - Lead Content 2022.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide catalog illustrations of fixtures, sizes, rough-in dimensions, utility sizes, trim, and finishes.
- C. Maintenance Data: Include fixture trim exploded view and replacement parts lists.
- D. Warranty: Submit manufacturer warranty and ensure forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Accept fixtures on site in factory packaging. Inspect for damage.
- B. Protect installed fixtures from damage by securing areas and by leaving factory packaging in place to protect fixtures and prevent use.

1.07 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Potable Water Systems: Provide plumbing fittings and faucets that comply with NSF 61 and NSF 372 for maximum lead content; label pipe and fittings.
- B. Water Efficiency: EPA WaterSense label is required for all water closets, urinals, lavatory faucets, and showerheads.

2.02 REGULATORY REQUIREMENTS

- A. Comply with applicable codes for installation of plumbing systems.

2.03 FLUSH VALVE WATER CLOSETS (WC-1), ADAAG COMPLIANT

- A. Water Closets:
 - 1. Vitreous china, ASME A112.19.2, wall hung, siphon jet flush action, china bolt caps.
 - 2. Bowl: ASME A112.19.2; 16.5 inches high with elongated rim.
 - 3. Flush Valve: Exposed (top spud).
 - 4. Flush Volume: 1.6 gallon, maximum.
 - 5. Flush Operation: Sensor operated.
 - 6. Handle Height: 11 inches or less.
 - 7. Trapway Outlet: 4 inch.
 - 8. Color: White.
 - 9. Manufacturers:
 - a. Sloan Valve Company; Model ST-2469.
 - b. American Standard, Inc.
 - c. Zurn industries, Inc
- B. Flush Valves:
 - 1. Valve Supply Size: 1 inch.
 - 2. Valve Outlet Size: 1-1/2 inches.
 - 3. Manufacturers:
 - a. Sloan Valve Company; Model 8111-1.6.
 - b. Zurn Industries, Inc.
 - c. Substitutions: See Section 01 60 00 - Product Requirements.
 - 4. Sensor-Operated:
 - a. Type: ASME A112.19.5; chloramine-resistant clog-resistant dual-seat diaphragm valve complete with vacuum breaker, stops and accessories.
 - b. Mechanism: Solenoid-operated piston or electronic motor-actuated operator with battery powered infrared sensor, and mechanical override or override push button.
 - c. Supplied Volume Capacity: 1.6 gal per flush.
 - 5. Exposed Type: Chrome-plated, escutcheon, integral screwdriver stop.
- C. Toilet Seats:
 - 1. Manufacturers:
 - a. Bemis Manufacturing Company; Model 2155SSC.
 - b. Church Seat Company.

- c. Olsonite.
 - 2. Plastic: Solid, antimicrobial, white finish, elongated shape, open front, self-sustaining hinge, and non-corrosive 300 Series stainless steel posts and pintles.
- D. Water Closet Carriers:
- 1. Manufacturers:
 - a. Jay R. Smith Manufacturing Company; Model 211 Series.
 - b. Zurn Industries, Inc.
 - c. MIFAB.
 - 2. ASME A112.6.1M; adjustable cast iron frame, integral drain hub and vent, adjustable spud, lugs for floor and wall attachment, threaded fixture studs with nuts and washers.

2.04 LAVATORIES (L-1), ADAAG COMPLIANT

- A. Manufacturers:
- 1. Sloan Valve Company; Model SS-3106.
 - 2. American Standard, Inc.
 - 3. Zurn industries, Inc.
- B. Wall-Hung Basin:
- 1. Vitreous China, Grade A: ASME A112.19.2; white rectangular commercial-grade sink, ledgeback with predrilled holes, rear-center drain, and rear overflow. Size 20 by 19 inch with single hole. White vitreous china shroud and mounting hardware.
 - 2. Carrier:
 - a. ASME A112.6.1M; cast iron and steel frame with tubular legs, lugs for floor and wall attachment, threaded studs for fixture hanger, bearing plate and studs.
 - b. Manufacturers:
 - 1) Jay R. Smith MFG. Co; Model 0700.
 - 2) Zurn Industries, LLC.
 - 3) MIFAB.
- C. Sensor Operated Faucet:
- 1. Cast brass, chrome plated, deck mounted with sensor located on neck of spout.
 - 2. Spout Style: Standard.
 - 3. Power Supply:
 - a. Battery: Replaceable alkaline or lithium type with 200,000 cycles, minimum.
 - 4. Water Supply: 3/8 inch compression connections.
 - 5. Aerator: Vandal resistant, 0.5 gpm, laminar flow device.
 - 6. Automatic Shut-off: 30 seconds.
 - 7. Sensor range: Multiple field-adjustable modes and ranges. Provide handheld programming unit with faucet.
 - 8. Finish: Polished chrome.
 - 9. Manufacturers:
 - a. The Chicago Faucet Company; 116.211.AB.1.
 - b. Substitutions: See Section 01 60 00 - Product Requirements.
- D. Lavatory Carrier:
- 1. Manufacturers:

- a. Jay R. Smith Manufacturing Company.
 - b. Zurn Industries, LLC; Z1231.
 - c. MIFAB.
2. ASME A112.6.1M; cast iron and steel frame with tubular legs, lugs for floor and wall attachment, threaded studs for fixture hanger, bearing plate and studs.

E. Accessories:

- 1. Chrome-plated 17 gauge, 0.0538 inch brass P-trap and arm with escutcheon.
- 2. Offset waste with perforated open strainer. Dearborn Brass 760W-1
- 3. Thermostatic mixing valve. ASSE 1070 listed, stainless steel screen strainers, and check valves. Watts Series LFUSG-B.
- 4. Wheel handle stops.
- 5. Rigid supplies.
- 6. Lavatory pipe insulation:
 - a. Manufacturer:
 - 1) Plumberex.
 - 2) Brocar.
 - 3) Truebro.
 - 4) Dearborn Safety Series
 - b. Insulation: Fully molded closed cell vinyl or ethylene vinyl acetate foam, fit to lavatory P-trap, tailpiece and angle valve stop assemblies. Vinyl shall be antimicrobial with UV inhibitors and utilize reusable fasteners.

2.05 SINK (SK-1), ADAAG COMPLIANT

A. Manufacturers:

- 1. Elkay; Model LRAD-172065
- 2. Just
- 3. Advance Tabco.
- 4. Substitutions: See Section 01 60 00 - Product Requirements.

B. Single Compartment Bowl:

- 1. ASME A112.19.3; 17 x 20 x 6.5 inch outside dimensions, 18 gage thick, Type 304 stainless steel, self rimming and undercoated, with ledge back drilled for trim.
 - a. Drain: 3-1/2 inch basket stainer with brass bucket and tailpiece.

C. Trim:

- 1. Manufacturers:
 - a. T & S Brass and Bronze Works, Inc.
 - b. Chicago Faucet; Model 201-AL8-317XKABCP.
 - c. Zurn, Industries, Inc.
- 2. ASME A112.18.1; chrome plated brass supply with 8 inch swing spout, ceramic cartridges, vandal proof water economy aerator with maximum 2.2 gpm flow, indexed 4-inch wrist blade handles.

D. Accessories:

- 1. Chrome plated 17 gage brass P-trap and arm with escutcheon.
- 2. Mc Guire-H2167CC Handwheel stops.

3. Rigid supplies.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that walls and floor finishes are prepared and ready for installation of fixtures.
- B. Verify that electric power is available and of the correct characteristics.
- C. Confirm that millwork is constructed with adequate provision for the installation of counter top lavatories and sinks.

3.02 PREPARATION

- A. Rough-in fixture piping connections in accordance with minimum sizes indicated in fixture rough-in schedule for particular fixtures.

3.03 INSTALLATION

- A. Install each fixture with trap, easily removable for servicing and cleaning.
- B. Provide chrome-plated rigid or flexible supplies to fixtures with loose key stops, reducers, and escutcheons.
- C. Install components level and plumb.
- D. Install and secure fixtures in place with wall carriers and bolts.

3.04 INTERFACE WITH WORK OF OTHER SECTIONS

- A. Review millwork shop drawings. Confirm location and size of fixtures and openings before rough-in and installation.

3.05 ADJUSTING

- A. Adjust stops or valves for intended water flow rate to fixtures without splashing, noise, or overflow.

3.06 CLEANING

- A. Clean plumbing fixtures and equipment.

END OF SECTION

SECTION 23 05 53
IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Nameplates.
- B. Tags.
- C. Ceiling tacks.

1.02 REFERENCE STANDARDS

- A. ASTM D709 - Standard Specification for Laminated Thermosetting Materials 2017.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Project Record Documents: Record actual locations of tagged valves.

PART 2 PRODUCTS

2.01 IDENTIFICATION APPLICATIONS

- A. Air Terminal Units: Nameplates
- B. Air Terminal Units: Ceiling tacks, to identify location above ceiling.
- C. Automatic Controls: Tags. Key to control schematic.
- D. Control Panels: Nameplates.

2.02 NAMEPLATES

- A. Manufacturers:
 - 1. Brimar Industries, Inc.
 - 2. Kolbi Pipe Marker Co..
 - 3. Seton Identification Products.
 - 4. Letter Color: White.
 - 5. Letter Height: 1/4 inch.
 - 6. Background Color: Black.
 - 7. Plastic: Comply with ASTM D709.

2.03 TAGS

- A. Manufacturers:
 - 1. Brady Corporation.
 - 2. Brimar Industries, Inc.
 - 3. Kolbi Pipe Marker Co..
 - 4. Seton Identification Products.
- B. Plastic Tags: Laminated three-layer plastic with engraved black letters on light contrasting background color. Tag size minimum 1-1/2 inch diameter.

2.04 CEILING TACKS

- A. Description: Steel with 3/4 inch diameter color coded head.

PART 3 EXECUTION

3.01 PREPARATION

- A. Degrease and clean surfaces to receive adhesive for identification materials.
- B. Prepare surfaces in accordance with Section 09 91 23 for stencil painting.

3.02 INSTALLATION

- A. Install nameplates with corrosive-resistant mechanical fasteners, or adhesive. Apply with sufficient adhesive to ensure permanent adhesion and seal with clear lacquer.
- B. Install tags with corrosion resistant chain.
- C. Install plastic pipe markers in accordance with manufacturer's instructions.
- D. Install plastic tape pipe markers complete around pipe in accordance with manufacturer's instructions.
- E. Locate ceiling tacks to locate valves or dampers above lay-in panel ceilings. Locate in corner of panel closest to equipment.

END OF SECTION

SECTION 23 05 93
TESTING, ADJUSTING, AND BALANCING FOR HVAC

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Testing, adjustment, and balancing of air systems.
- B. Measurement of final operating condition of HVAC systems.

1.02 REFERENCE STANDARDS

- A. AABC (NSTSB) - AABC National Standards for Total System Balance, 7th Edition 2016.
- B. ASHRAE Std 110 - Methods of Testing Performance of Laboratory Fume Hoods 2016, with Errata.
- C. ASHRAE Std 111 - Measurement, Testing, Adjusting, and Balancing of Building HVAC Systems 2008, with Errata (2019).
- D. NEBB (TAB) - Procedural Standard for Testing Adjusting and Balancing of Environmental Systems 2019.
- E. SMACNA (TAB) - HVAC Systems Testing, Adjusting and Balancing 2002.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Final Report: Indicate deficiencies in systems that would prevent proper testing, adjusting, and balancing of systems and equipment to achieve specified performance.
 - 1. Submit draft copies of report for review prior to final acceptance of Project. Provide final copies for Architect/Engineer and for inclusion in operating and maintenance manuals.
 - 2. Include actual instrument list, with manufacturer name, serial number, and date of calibration.
 - 3. Form of Test Reports: Where the TAB standard being followed recommends a report format use that; otherwise, follow ASHRAE Std 111.
 - 4. Units of Measure: Report data in both I-P (inch-pound) and SI (metric) units.
 - 5. Include the following on the title page of each report:
 - a. Name of Testing, Adjusting, and Balancing Agency.
 - b. Address of Testing, Adjusting, and Balancing Agency.
 - c. Telephone number of Testing, Adjusting, and Balancing Agency.
 - d. Project name.
 - e. Project location.
 - f. Project Architect/Engineer.
 - g. Project Contractor.
 - h. Report date.
- C. Project Record Documents: Record actual locations of balancing valves and rough setting.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.01 GENERAL REQUIREMENTS

- A. Perform total system balance in accordance with one of the following:
 - 1. AABC (NSTSB), AABC National Standards for Total System Balance.
 - 2. ASHRAE Std 111, Practices for Measurement, Testing, Adjusting and Balancing of Building Heating, Ventilation, Air-Conditioning, and Refrigeration Systems.
 - 3. NEBB Procedural Standards for Testing Adjusting Balancing of Environmental Systems.
 - 4. SMACNA (TAB).
- B. Begin work after completion of systems to be tested, adjusted, or balanced and complete work prior to Substantial Completion of the project.
- C. Where HVAC systems and/or components interface with life safety systems, including fire and smoke detection, alarm, and control, coordinate scheduling and testing and inspection procedures with the authorities having jurisdiction.
- D. TAB Agency Qualifications:
 - 1. Company specializing in the testing, adjusting, and balancing of systems specified in this section.
 - 2. Having minimum of three years documented experience.
 - 3. Certified by one of the following:
 - a. AABC, Associated Air Balance Council: www.aabc.com/#sle; upon completion submit AABC National Performance Guaranty.
 - b. NEBB, National Environmental Balancing Bureau: www.nebb.org/#sle.
 - c. TABB, The Testing, Adjusting, and Balancing Bureau of National Energy Management Institute: www.tabbcertified.org/#sle.
- E. TAB Supervisor Qualifications: Certified by same organization as TAB agency.

3.02 EXAMINATION

- A. Verify that systems are complete and operable before commencing work. Ensure the following conditions:
 - 1. Systems are started and operating in a safe and normal condition.
 - 2. Temperature control systems are installed complete and operable.
 - 3. Proper thermal overload protection is in place for electrical equipment.
 - 4. Final filters are clean and in place. If required, install temporary media in addition to final filters.
 - 5. Duct systems are clean of debris.
 - 6. Fans are rotating correctly.
 - 7. Fire and volume dampers are in place and open.
 - 8. Air coil fins are cleaned and combed.
 - 9. Access doors are closed and duct end caps are in place.
 - 10. Air outlets are installed and connected.
 - 11. Duct system leakage is minimized.
- B. Submit field reports. Report defects and deficiencies that will or could prevent proper system balance.

C. Beginning of work means acceptance of existing conditions.

3.03 ADJUSTMENT TOLERANCES

- A. Air Handling Systems: Adjust to within plus or minus 5 percent of design for supply systems and plus or minus 10 percent of design for return and exhaust systems.
- B. Air Outlets and Inlets: Adjust total to within plus 10 percent and minus 5 percent of design to space. Adjust outlets and inlets in space to within plus or minus 10 percent of design.

3.04 RECORDING AND ADJUSTING

- A. Ensure recorded data represents actual measured or observed conditions.
- B. Permanently mark settings of valves, dampers, and other adjustment devices allowing settings to be restored. Set and lock memory stops.
- C. Mark on drawings the locations where traverse and other critical measurements were taken and cross reference the location in the final report.
- D. After adjustment, take measurements to verify balance has not been disrupted or that such disruption has been rectified.
- E. Leave systems in proper working order, replacing belt guards, closing access doors, closing doors to electrical switch boxes, and restoring thermostats to specified settings.

3.05 AIR SYSTEM PROCEDURE

- A. Adjust air handling and distribution systems to provide required or design supply, return, and exhaust air quantities at site altitude.
- B. Make air quantity measurements in ducts by Pitot tube traverse of entire cross sectional area of duct.
- C. Measure air quantities at air inlets and outlets.
- D. Adjust distribution system to obtain uniform space temperatures free from objectionable drafts and noise.
- E. Use volume control devices to regulate air quantities only to extend that adjustments do not create objectionable air motion or sound levels. Effect volume control by duct internal devices such as dampers and splitters.
- F. Vary total system air quantities by adjustment of fan speeds. Provide drive changes required. Vary branch air quantities by damper regulation.
- G. Measure static air pressure conditions on air supply units, including filter and coil pressure drops, and total pressure across the fan. Make allowances for 50 percent loading of filters.
- H. Measure temperature conditions across outside air, return air, and exhaust dampers to check leakage.
- I. Where modulating dampers are provided, take measurements and balance at extreme conditions. Balance variable volume systems at maximum air flow rate, full cooling, and at minimum air flow rate, full heating.

- J. Measure building static pressure and adjust supply, return, and exhaust air systems to provide required relationship between each to maintain approximately 0.05 inches positive static pressure near the building entries.
- K. For variable air volume system powered units set volume controller to air flow setting indicated. Confirm connections properly made and confirm proper operation for automatic variable air volume temperature control.

3.06 SCOPE

- A. Test, adjust, and balance the following:
 - 1. Fans.
 - 2. Air Terminal Units.
 - 3. Air Inlets and Outlets.

END OF SECTION

**SECTION 23 07 13
DUCT INSULATION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Duct insulation.
- B. Duct liner.

1.02 REFERENCE STANDARDS

- A. ASTM C411 - Standard Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation.
- B. ASTM C518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus 2021.
- C. ASTM C553 - Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications 2013 (Reapproved 2019).
- D. ASTM C916 - Standard Specification for Adhesives for Duct Thermal Insulation 2020.
- E. ASTM C1071 - Standard Specification for Fibrous Glass Duct Lining Insulation (Thermal and Sound Absorbing Material) 2019.
- F. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2023.
- G. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials 2022a, with Editorial Revision (2023).
- H. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi 2015, with Editorial Revision (2021).
- I. UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials Current Edition, Including All Revisions.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide product description, thermal characteristics, list of materials and thickness for each service, and locations.
- C. Manufacturer's Instructions: Indicate installation procedures necessary to ensure acceptable workmanship and that installation standards will be achieved.

1.04 QUALITY ASSURANCE

- A. Applicator Qualifications: Company specializing in performing the type of work specified in this section, with minimum three years of experience and approved by manufacturer.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Accept materials on site in original factory packaging, labelled with manufacturer's identification, including product density and thickness.

- B. Protect insulation from weather and construction traffic, dirt, water, chemical, and mechanical damage, by storing in original wrapping.

1.06 FIELD CONDITIONS

- A. Maintain ambient temperatures and conditions required by manufacturers of adhesives, mastics, and insulation cements.
- B. Maintain temperature during and after installation for minimum period of 24 hours.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

- A. Surface Burning Characteristics: Flame spread index/Smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84, UL 723, ASTM E84, or UL 723.
- B. Insulation minimum thickness shall meet or exceed requirements as listed in International Energy Conservation Code, 2018.

2.02 GLASS FIBER, FLEXIBLE

- A. Manufacturers:
 - 1. CertainTeed Corporation.
 - 2. Johns Manville Corporation.
 - 3. Knauf Insulation.
 - 4. Owens Corning Corp.
- B. Insulation: ASTM C553; flexible, noncombustible blanket.
 - 1. K value: 0.25 at 75 degrees F, when tested in accordance with ASTM C518.
 - 2. Maximum Service Temperature: 450 degrees F.
 - 3. Maximum Water Vapor Absorption: 5.0 percent by weight.
- C. Vapor Barrier Jacket:
 - 1. Kraft paper with glass fiber yarn and bonded to aluminized film.
 - 2. Moisture Vapor Permeability: 0.02 perm inch, when tested in accordance with ASTM E96/E96M.
 - 3. Secure with pressure-sensitive tape.
- D. Vapor Barrier Tape:
 - 1. Kraft paper reinforced with glass fiber yarn and bonded to aluminized film, with pressure-sensitive rubber-based adhesive.
- E. Tie Wire: Annealed steel, 16 gauge, 0.0508 inch diameter.

2.03 DUCT LINER

- A. Manufacturers:
 - 1. CertainTeed Corporation.
 - 2. Johns Manville Corporation.
 - 3. Knauf Insulation.
 - 4. Owens Corning Corporation.

- B. Glass Fiber Insulation: Non-corrosive, incombustible glass fiber complying with ASTM C1071; flexible blanket, rigid board, and preformed round liner board; impregnated surface and edges coated with poly vinyl acetate polymer, acrylic polymer, or black composite.
 - 1. Fungal Resistance: No growth when tested according to ASTM G21.
 - 2. Apparent Thermal Conductivity: Maximum of 0.31 at 75 degrees F.
 - 3. Service Temperature: Up to 250 degrees F.
 - 4. Rated Velocity on Coated Air Side for Air Erosion: 5,000 fpm, minimum.
 - 5. Minimum Noise Reduction Coefficients:
 - a. 1/2 inch Thickness: 0.30.
 - b. 1 inch Thickness: 0.45.
- C. Adhesive: Waterproof, fire-retardant type, ASTM C916.
- D. Liner Fasteners: Galvanized steel, self-adhesive pad with integral head.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Test ductwork for design pressure prior to applying insulation materials.
- B. Verify that surfaces are clean, foreign material removed, and dry.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install in accordance with NAIMA National Insulation Standards.
- C. Insulated Ducts Conveying Air Below Ambient Temperature:
 - 1. Provide insulation with vapor barrier jackets.
 - 2. Finish with tape and vapor barrier jacket.
 - 3. Continue insulation through walls, sleeves, hangers, and other duct penetrations.
 - 4. Insulate entire system, including fittings, joints, flanges, fire dampers, flexible connections, and expansion joints.
- D. Insulated Ducts Conveying Air Above Ambient Temperature:
 - 1. Insulate fittings and joints. Where service access is required, bevel and seal ends of insulation.
- E. External Duct Insulation Application:
 - 1. Secure insulation with vapor barrier with wires and seal jacket joints with vapor barrier adhesive or tape to match jacket.
 - 2. Secure insulation without vapor barrier with staples, tape, or wires.
 - 3. Install without sag on underside of duct. Use adhesive or mechanical fasteners where necessary to prevent sagging. Lift duct off trapeze hangers and insert spacers.
 - 4. Seal vapor barrier penetrations by mechanical fasteners with vapor barrier adhesive.
 - 5. Stop and point insulation around access doors and damper operators to allow operation without disturbing wrapping.
- F. Duct Liner Application:
 - 1. Adhere insulation with adhesive for 90 percent coverage.
 - 2. Secure insulation with mechanical liner fasteners. Refer to SMACNA (DCS) for spacing.
 - 3. Seal and smooth joints. Seal and coat transverse joints.

4. Seal liner surface penetrations with adhesive.
5. Duct dimensions indicated are net inside dimensions required for air-flow. Increase duct size to allow for insulation thickness.

3.03 SCHEDULES

- A. Exhaust Ducts Within 10 ft of Exterior Openings:
 1. Flexible Glass Fiber Duct Insulation: 2 inches thick.
- B. Supply Ducts:
 1. Flexible Glass Fiber Duct Insulation: 2 inches thick.
- C. Return Ducts with sound requirement:
 1. Duct Liner: 1/2 inches thick.

END OF SECTION

**SECTION 23 09 13
INSTRUMENTATION AND CONTROL DEVICES FOR HVAC**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Control panels.
- B. HVAC&R Sensors:
 - 1. Temperature sensors.
 - 2. Static pressure (air pressure) sensors.

1.02 RELATED REQUIREMENTS

- A. Section 23 09 23 - Direct-Digital Control System for HVAC.
- B. Section 26 05 83 - Wiring Connections: Electrical characteristics and wiring connections.

1.03 REFERENCE STANDARDS

- A. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum) 2020.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide description and engineering data for each control system component. Include sizing as requested. Provide data for each system component and software module.
- C. Shop Drawings: Indicate complete operating data, system drawings, wiring diagrams, and written detailed operational description of sequences. Submit schedule of valves indicating size, flow, and pressure drop for each valve. For automatic dampers indicate arrangement, velocities, and static pressure drops for each system.
- D. Operation and Maintenance Data: Include inspection period, cleaning methods, recommended cleaning materials, and calibration tolerances.
- E. Project Record Documents: Record actual locations of control components, including panels, thermostats, and sensors. Accurately record actual location of control components, including panels, thermostats, and sensors.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum three years documented experience.
- B. Installer Qualifications: Company specializing in performing the work of this section with minimum three years experience approved by manufacturer.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc., as suitable for the purpose specified and indicated.

1.06 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

PART 2 PRODUCTS

2.01 EQUIPMENT - GENERAL

- A. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories Inc., as suitable for the purpose specified and indicated.

2.02 CONTROL PANELS

- A. Unitized cabinet type for each system under automatic control with relays and controls mounted in cabinet and temperature indicators, pressure gauges, pilot lights, push buttons and switches flush on cabinet panel face.
- B. NEMA 250, general purpose utility enclosures with enameled finished face panel.
- C. Provide common keying for all panels.

2.03 HVAC&R SENSORS

- A. Temperature Sensors:
 - 1. Use thermistor or RTD type temperature sensing elements with characteristics resistant to moisture, vibration, and other conditions consistent with the application without affecting accuracy and life expectancy.
 - 2. Construct RTD of nickel or platinum with base resistance of 1000 ohms at 70 degrees F.
 - 3. 100 ohm platinum RTD is acceptable if used with project DDC controllers.
 - 4. Temperature Sensing Device: Compatible with project DDC controllers.
 - 5. Performance Characteristics:
 - a. RTD:
 - 1) Duct Averaging Accuracy: Plus/minus 0.50 degrees F minimum.
 - 2) All Other Accuracy: Plus/minus 0.75 degrees F minimum.
 - 3) Range: Minus 40 degrees F through 220 degrees F minimum.
 - b. Thermistor:
 - 1) Accuracy (All): Plus/minus 0.36 degrees F minimum.
 - 2) Range: Minus 25 degrees F through 122 degrees F minimum.
 - 3) Heat Dissipation Constant: 2.7 mW per degree C.
 - c. Temperature Transmitter:
 - 1) Accuracy: 0.10 degree F minimum or plus/minus 0.20 percent of span.
 - 2) Output: 4 to 20 mA.
 - d. Sensing Range:
 - 1) Provide limited range sensors if required to sense the range expected for a respective point.
 - 2) Use RTD type sensors for extended ranges beyond minus 30 to 230 degrees F.
 - 3) Use temperature transmitters in conjunction with RTD's when RTD's are incompatible with DDC controller direct temperature input.
 - e. Wire Resistance:
 - 1) Use appropriate wire size to limit temperature offset due to wire resistance to 1.0 degree F or use temperature transmitter when offset is greater than 1.0 degree F due to wire resistance.
 - 2) Compensate for wire resistance in software input definition when feature is available in the DDC controller.

- f. Room Temperature Sensors:
 - 1) Construct for wall box mounting.
 - 2) Provide the following:
 - a) Stainless steel flat plate matching existing.
 - g. Insertion Elements:
 - 1) Use in ducts not affected by temperature stratification or smaller than 11 sq inches.
- B. Static Pressure (Air Pressure) Sensors:
- 1. Unidirectional with ranges not exceeding 150 percent of maximum expected input.
 - 2. Temperature compensate with typical thermal error or 0.06 percent of full scale in temperature range of 40 to 100 degrees F.
 - 3. Accuracy: One percent of full scale with repeatability 0.3 percent.
 - 4. Output: 0 to 5 vdc with power at 12 to 28 vdc.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that systems are ready to receive work.
- C. Beginning of installation means installer accepts existing conditions.
- D. Sequence work to ensure installation of components is complementary to installation of similar components in other systems.
- E. Coordinate installation of system components with installation of mechanical systems equipment such as air handling units and air terminal units.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Mount control panels adjacent to associated equipment on vibration free walls or free standing angle iron supports. One cabinet may accommodate more than one system in same equipment room. Provide engraved plastic nameplates for instruments and controls inside cabinet and engraved plastic nameplates on cabinet face.
- C. Provide conduit and electrical wiring in accordance with Section 26 05 83. Electrical material and installation shall be in accordance with appropriate requirements.

END OF SECTION

SECTION 23 09 23
DIRECT-DIGITAL CONTROL SYSTEM TRIDIUM JCI FX

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. System description.
- B. Controllers.
- C. Power supplies and line filtering.
- D. System software.
- E. Controller software.
- F. HVAC control programs.

1.02 RELATED REQUIREMENTS

- A. Section 23 09 13 - Instrumentation and Control Devices for HVAC.

1.03 REFERENCE STANDARDS

- A. ASHRAE Std 135 - A Data Communication Protocol for Building Automation and Control Networks 2020, with Errata and Amendments (2022).
- B. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Expand building control system to interface with new equipment and perform the sequence of operation specified. Modify automation system graphics to delete removed equipment and add new equipment.
- B. Provide a color graphical representation of all systems. The graphical display shall include all points indicated in the pints list and any others required to achieve the sequences of operation. The graphical user interface shall consist of the following as a minimum;
 - 1. Menu bar navigation via windows-like bars.
 - 2. Navigation will also be available via an image of the building profile from which the user clicks on floors to bring up individual floor plans.
 - 3. The individual floor plan zones shall change color based upon the difference between the actual zone temperature and zone set point so that the operator can tell at a glance if zones are in, above or below acceptable ranges. A minimum of five (5) colors are required: Color 1 = within acceptable range of set point, Color 2 = warning - zone is above acceptable range of set point and approaching high temperature alarm; Color 3 = zone is in high temperature alarm; Color 4 = warning - zone is below acceptable range of set point and approaching low temperature alarm; Color 5 = zone is in low temperature alarm.
 - 4. Clicking on a floor plan zone shall bring up a dynamic color graphic of the mechanical equipment that serves that zone.
 - 5. Each major piece of mechanical equipment (terminal unit, AHU, boiler, chillers, cooling towers, etc.) shall have a pictorial dynamic color graphic. The central plant equipment may be

combined as appropriate on one or more graphic page.

6. Text-based (non-pictorial) summary screens will also be provided so that the operator may view critical information on multiple units at once. Summary screens will be provided for terminal units and air handling units. Summary screens for VAV/FPVAV boxes will contain as a minimum room temperature, room temperature set point, occ/unocc status and CFM for each box. Summary screens for AHUs will contain as a minimum space temperature (CV units) or discharge temperature (VAV units) and the corresponding set point, static pressure (VAV units), OA damper position, mixed air temperature, fan status and occ/unocc status.
7. Clicking on a unit on any summary screen shall bring up the complete graphic for that unit.
8. Outside air temperature shall be displayed on each graphic screen.

1.05 OPEN, INTEROPERABLE, INTEGRATED ARCHITECTURES

- A. The intent of this specification is to provide a peer-to-peer networked, stand-alone, distributed control system with the capability to integrate both the ANSI/ASHRAE Standard 135-1995 BACnet and LonWorks technology communication protocols in one open, interoperable system.
- B. The supplied computer software shall employ object-oriented technology (OOT) for representation of all data and control devices within the system. In addition, adherence to industry standards including ANSI/ASHRAE Standard 135-1995, BACnet and LonMark to assure interoperability between all system components is required. For each LonWorks device that does not have LonMark certification, the device supplier must provide a XIF file for the device. For each BACnet device, the device supplier must provide a PICS document showing the installed device = s-compliance level. Minimum compliance is Level 3; with the ability to support data read and write functionality. Physical connection of BACnet devices shall be via Ethernet.
- C. All components and controllers supplied under this contract shall be true peer-to-peer communicating devices. Components or controllers requiring polling by a host to pass data shall not be acceptable.
- D. The supplied system must incorporate the ability to access all data using Java enabled browsers without requiring proprietary operator interface and configuration programs. An Open Database Connectivity (ODBC) or Structured Query Language (SQL) compliant server database is required for all system database parameter storage. This data shall reside on a supplier-installed server for all database access. Systems requiring proprietary database and user interface programs shall not be acceptable.
- E. The installed system shall provide secure password access to all features, functions and data contained in the overall Building Management Control System (BMCS). Secure Socket Layer (SSL) encryption shall be an available option for remote access.
- F. The installed system must be totally scalable to allow for future expansion with the addition of controllers and/or input/output devices. It shall not be necessary to remove equipment supplied under this contract to expand the system.
- G. The failure of any single component or network shall not interrupt the control functions of non-affected devices. A single network failure shall only affect shared communications or shared data; individual application controllers and network controllers shall continue normal operation minus only the data from a remote device from the affected network. Automatic default values for all network transported data shall be provide to allow continued operation until the network is restored.

- H. The BMCS shall provide support for ODBC or SQL. An embedded database must be an ODBC-compliant database or must provide an ODBC data access mechanism to read and write dated stored within it. A minimum offering would be the documentation of database schemes to allow users to read/write data into other applications using appropriate ODBS syntax.
- I. A hierarchical topology is required to assure reasonable system response times and to manage the flow and sharing of data.
 - 1. Maximum acceptable response time from any alarm occurrence (at the point of origin) to the point of annunciation shall not exceed 5 seconds for network connected user interfaces.
 - 2. Maximum acceptable response time from any alarm occurrence (at the point of origin) to the point of annunciation shall not exceed 60 seconds for remote or dial-up connected user interfaces.

1.06 WEB BROWSER CLIENTS

- A. The system shall be capable of supporting an unlimited number of clients using a standard Web browser such as Internet Explorer. Systems requiring additional software (to enable a standard Web browser) to be resident on the client machine, or manufacturer-specific browsers shall not be acceptable.
- B. The Web browser software shall run on any operating system and system configuration that is supported by the Web browser. Systems that require specific machine requirements in terms of processor speed, memory, etc., in order to allow the Web browser to function with the BMCS shall not be acceptable.
- C. The Web browser shall provide the same view of the system, in terms of graphics, schedules, calendars, logs, etc., and provide the same interface methodology as is provided by the Graphical User Interface (GUI). Systems that require different views or that require different means of interacting with objects such as schedules, or logs, shall not be permitted.
- D. The Web browser client shall support at a minimum, the following functions;
 - 1. User log-in identification and password shall be required. If an unauthorized user attempts access, a blank web page shall be displayed. Security using Java authentication and encryption techniques to prevent unauthorized access shall be implemented.
 - 2. Graphical screens developed for the GUI shall be the same screens used for the Web browser client. Any animated graphical objects supported by the GUI shall be supported by the Web browser interface.
 - 3. HTML programming shall not be required to display system graphics or data on a Web page. HTML editing of the Web page shall be allowed if the user desires a specific look or format.
 - 4. Storage of the graphical screens shall be in the Network Area Controller (NAC) without requiring any graphics to be stored on the client machine. Systems that require graphics storage on each client are not acceptable.

1.07 SUBMITTALS

- A. Product Data: Include manufacturer's technical literature for each control device. Indicate dimensions, capacities, performance characteristics, electrical characteristics, finishes for materials, and installation and startup instructions for each type of product indicated.
 - 1. DDC System Hardware: Bill of materials of equipment indicating quantity, manufacturer, and model number. Include technical data for operator workstation equipment, interface equipment,

- control units, transducers/transmitters, sensors, actuators, valves, relays/switches, control panels, and operator interface equipment.
- a. Control System Software: Include technical data for operating system software, operator interface, color graphics, and other third-party applications.
 2. Controlled Systems: Instrumentation list with element name, type of device, manufacturer, model number, and product data. Include written description of sequence of operation including schematic diagram.
- B. Shop Drawings: Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
1. Bill of materials of equipment indicating quantity, manufacturer, and model number.
 2. Schematic flow diagrams showing fans, pumps, coils, dampers, valves, and control devices.
 3. Wiring Diagrams: Power, signal, and control wiring.
 4. Details of control panel faces, including controls, instruments, and labeling.
 5. Written description of sequence of operation.
 6. Schedule of dampers including size, leakage, and flow characteristics.
 7. Schedule of valves including flow characteristics.
 8. DDC System Hardware:
 - a. Wiring diagrams for control units with termination numbers.
 - b. Schematic diagrams and floor plans for field sensors and control hardware.
 - c. Schematic diagrams for control, communication, and power wiring, showing trunk data conductors and wiring between operator workstation and control unit locations.
 9. Control System Software: List of color graphics indicating monitored systems, data (connected and calculated) point addresses, output schedule, and operator notations.
 10. Controlled Systems:
 - a. Schematic diagrams of each controlled system with control points labeled and control elements graphically shown, with wiring.
 - b. Scaled drawings showing mounting, routing, and wiring of elements including bases and special construction.
 - c. Written description of sequence of operation including schematic diagram.
 - d. Points list.
- C. Data Communications Protocol Certificates: Certify that each proposed DDC system component complies with ASHRAE 135.
- D. Software and Firmware Operational Documentation: Include the following:
1. Software operating and upgrade manuals.
 2. Program Software Backup: On a magnetic media or compact disc, complete with data files and points tables.
 3. Device address list.
 4. Printout of software application and graphic screens.
 5. Software license required by and installed for DDC workstations and control systems.
- E. Software Upgrade Kit: For Owner to use in modifying software to suit future systems revisions or monitoring and control revisions.
- F. Qualification Data: For installer.
- G. Field quality-control test reports: Provide standard commissioning report for all systems.

- H. Operation and Maintenance Data: For HVAC instrumentation and control system to include in emergency, operation, and maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:
 - 1. Maintenance instructions and lists of spare parts for each type of control device and compressed-air station.
 - 2. Interconnection wiring diagrams with identified and numbered system components and devices.
 - 3. Keyboard illustrations and step-by-step procedures indexed for each operator function.
 - 4. Inspection period, cleaning methods, cleaning materials recommended, and calibration tolerances.
 - 5. Calibration records and list of set points.
- I. Project Record Documents: Record actual locations of control components, including control units, thermostats, and sensors.
 - 1. Revise shop drawings to reflect actual installation and operating sequences.

1.08 QUALITY ASSURANCE

- A. Installer Qualifications: Automatic control system manufacturer's authorized representative who is trained and approved for installation of system components required for this Project.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- C. All technician's labor shall be by Tridium N4 certified and factory trained employees with 5 or more years of experience on the new and existing systems. Subcontracting of technician's labor is unacceptable. All electrical installation shall be by Building Automation specialty electrical contractors directly employed and managed by the BAS contractor.
- D. All line voltage devices shall be UL or ETL listed
- E. Comply with ASHRAE 135 for DDC system components.
 - 1. All new devices shall be BACnet MSTP
 - 2. All new devices must BTL listed. No exception or substitutions

1.09 WARRANTY

- A. Warranty: Provide 2 Year Parts and Labor Factory Authorized Warranty Service for all new components and all labor provided on the project. Update all software to latest version available during warranty period at no additional cost to owner.

1.10 PROTECTION OF SOFTWARE RIGHTS

- A. Prior to delivery of software, the Owner and the party providing the software will enter into a software license agreement with provisions for the following:
 - 1. Limiting use of software to equipment provided under these specifications.
 - 2. Limiting copying.
 - 3. Preserving confidentiality.
 - 4. Prohibiting transfer to a third party.
- B. Provide Owner administrative rights after warranty period expires.

1.11 DELIVERY, STORAGE, AND HANDLING

- A. Factory-Mounted Components: Where control devices specified in this Section are indicated to be factory mounted on equipment, arrange for shipping of control devices to equipment manufacturer.
- B. System Software: Update to latest version of software at Project completion.

1.12 COORDINATION

- A. Coordinate location of thermostats, humidistats, and other exposed control sensors with plans and room details before installation.
- B. Coordinate equipment with Division 23 Sections for compatibility. Control contractor to provide all necessary devices for a complete and fully operational system for all equipment.
- C. Coordinate supply of conditioned electrical branch circuits for control units and operator workstation.
- D. Coordinate equipment with Division 26 achieve compatibility of communication interfaces.
- E. Coordinate equipment with Division 26 to achieve compatibility with starter coils and annunciation devices.
- F. Coordinate equipment with Division 26 to achieve compatibility with motor starters and annunciation devices.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Controllers:
 - 1. Manufacturers:
 - a. Johnson - FX-PC series, BTL Listed, BACnet MSTP devices. Proprietary controllers (Metasys) will not be allowed.
 - 2. Software required to program the supervisory & field level controllers shall be made available to the Owner, and left on the BAS Server at project completion by the BAS Contractor.
 - 3. Controllers to have 10% spare IO for future use.
- B. End Devices
 - 1. All end devices shall be by manufacturers as specified below.

2.02 SYSTEM DESCRIPTION

- A. Control System
 - 1. Manufacturers:
 - a. Johnson Facility Explorer (Tridium Niagara 4) BACnet Open Protocol Web Based System with server (N4 Supervisor). Proprietary systems (Metasys) will not be allowed.
 - 2. Installers:
 - a. F.E. Moran. Contact Kevin: 224-45-7702.
 - 3. Control system shall consist of sensors, indicators, actuators, final control elements, interface equipment, other apparatus, accessories, and software connected to distributed controllers operating in multiuser, multitasking environment to provide a complete and fully operational system of controls for all new and existing equipment shown on the plans and described in the

specifications.

4. All graphics shall be web based using HTML5 over TCP/IP. Provide a free Android or iPhone APP with custom scaled graphics for all equipment. App shall be free with no user subscription fees and have scaled custom graphics for all HVAC systems & associated features.
- B. Install a new controller for each existing piece of equipment communicating to the web server over BACnet MSTP protocol using RS485 wiring
- C. Non-critical equipment (exhaust fans, unit heaters, etc.) may be connected to nearby controllers or grouped logically into a dedicated controller for multiple units.
- D. Install all new sensors and actuators for all equipment, wired to new controllers. Include all necessary relays, transformers and enclosures for a complete and fully operational system.
- E. Install all field wiring per NEC and install all wiring in conduit if it is in an exposed area or mechanical space.
- F. Provide stand-alone wiring and interlocks for all equipment and controls as necessary for a complete and fully operational system.
- G. Provide spring return actuators for all dampers or valves that could be subject to freezing or create an unsafe condition.
- H. System shall include controls and programming to meet energy code including demand control ventilation and critical zone reset of fan speed for VAV systems.
- I. The owner shall provide VPN access for service to provide ongoing user support, warranty and maintenance.
- J. Include installation and calibration, supervision, adjustments, and fine tuning necessary for complete and fully operational system.

2.03 GRAPHICS DISPLAY

- A. Operator's workstation shall display all data associated with project as called out on drawings and/or object type list supplied. Graphic files shall be created using digital, full color photographs of system installation, AutoCAD, GraphICS or Visio drawing files of field installation drawings and wiring diagrams from as-built drawings. Operator's workstation shall display all data using three-dimensional graphic representations of all mechanical equipment. System shall be capable of displaying graphic file, text, and dynamic object data together on each display and shall include animation. Information shall be labeled with descriptors and shall be shown with the appropriate engineering units. All information on any display shall be dynamically updated without any action by the user. Workstation shall allow user to change all field-resident EMCS functions associated with the project, such as setpoints, weekly schedules, exception schedules, etc. from any screen no matter if that screen shows all text or a complete graphic display. This shall be done without any reference to object addresses or other numeric/mnemonic indications.
- B. Provide complete and easy to use color graphics user interface, including:
 1. A unique graphical representation of all equipment with adjustable setpoints and alarms
 2. 3D Floor Plans with zones identified and color coding of alarm conditions (flood fill red for above setpoint, blue for below setpoint).
 3. Provide room numbers and equipment tags for all equipment on plans.

4. Navigation tree for access to all equipment and plans.
 5. Clicking on any floor plan equipment tag will navigate to unique equipment graphic.
 6. All setpoints shall have user adjustable alarm ranges.
 7. Time of day scheduling for all equipment easily adjustable by the user.
 8. Adjustable Alarm ranges and alarm history page.
- C. Binary objects shall be displayed as ACTIVE/INACTIVE/NULL or with customized text. Text shall be justified left, right or center as selected by the user. Also, allow binary objects to be displayed as individual change-of-state graphic objects on the display screen such that they overlay the system graphic. Each binary object displayed in this manner shall be assigned up to three graphic files for display when the point is ON, OFF or in alarm. For binary outputs, toggle the object's commanded status when the graphic item is selected with the system mouse. Similarly, allow the workstation operator to toggle the binary object's status by selecting with the mouse a graphic of a switch or light, for example, which then displays a different graphic (such as an "ON" switch or lighted lamp). Additionally, allow binary objects to be displayed as an animated graphic. Animated graphic objects shall be displayed as a sequence of multiple graphics to simulate motion. For example: when a pump is in the OFF condition, display a stationary graphic of the pump. When the operator selects the pump graphic with the mouse, the represented object's status is toggled and the graphic of the pump's impeller rotates in a time-based animation. The operator shall be able to click on an animated graphical object or switch it from the OFF position to ON, or ON to OFF. Allow operator to change graphic file assignment and also create new and original graphics online. System shall be supplied with a library of standard graphics, which may be used unaltered or modified by the operator. Systems that do not allow customization or creation of new graphic objects by the operator (or with third-party software) shall not be allowed.
- D. Analog objects shall be displayed with operator modifiable units. Analog input objects may also be displayed as individual graphic items on the display screen as an overlay to the system graphic. Each analog input object may be assigned a minimum of five graphic files, each with high/low limits for automatic selection and display of these graphics. As an example, a graphic representation of a thermometer would rise and fall in response to either the room temperature or its deviation from the controlling setpoint. Analog output objects, when selected with the mouse, shall be displayed as a prompted dialog (text only) box. Selection for display type shall be individual for each object. Analog object values may be changed by selecting either the "increase" or "decrease" arrow in the analog object spinner box without using the keypad. Pressing the button on the right side of the analog object spinner box allows direct entry of an analog value and accesses various menus where the analog value may be used, such as trend logs.
- E. Analog objects may also be assigned to an area of a system graphic, where the color of the defined area changes based on the analog object's value. For example, an area of a floor-plan graphic served by a single control zone would change color with respect to the temperature of the zone or its deviation from setpoint. All editing and area assignment shall be created or modified online using simple icon tools.
- F. A customized menu label (push-button) shall be used for display selection. Menu items on a display shall allow penetration to lower level displays or additional menus. Dynamic point information and menu label push buttons may be mixed on the same display to allow sub-displays to exist for each item. Each display may be protected from viewing unless operator has appropriate security level. A security level may be assigned to each display and system object. The menu label

shall not appear on the graphic if the operator does not have the appropriate security level.

- G. G. A mouse shall be used to move the pointer arrow to the desired item for selection of new display or to allow the operator to make changes to object data.

2.04 WEB INTERFACE

A. General

1. BAS supplier shall provide web-based access to the system as part of standard installation. User shall be able to access all displays of real-time data that are part of the BAS via a standard Web browser. Web browser shall tie into the network via owner-supplied Ethernet network connection. The web-page software shall not require a per user licensing fee or annual fees. The web-page host must be able to support on average 50 simultaneous users with the ability to expand the system to accommodate an unlimited number of users.

B. Browser Technology

1. Browser shall be standard version of Microsoft Internet Explorer, Google Chrome, or Mozilla Firefox. No special vendor-supplied software shall be needed on computers running browser. All displays shall be viewable and the Web-page host shall directly access real-time data from the BAS BACnet network. Data shall be displayed in real time and update automatically without user interaction. User shall be able to change data on displays if logged in with the appropriate user name and password.

C. Communications

1. Web-page host shall include two Ethernet network connections. One network connection shall be dedicated to BAS BACnet network and shall be used to gather real-time data from all the BACnet devices that form the BAS. This network shall communicate via BACnet, allowing the Web-page host to gather data directly from units on the local LAN or from other projects connected over a WAN. This network shall also provide the connection to the BAS server for Web page generation.
2. The second Ethernet connection shall provide the physical connection to the Internet or an IP-based WAN. It shall be the port that is used for the browser to receive Web pages and data from the Web-page host. The Web-page host shall act as a physical barrier between the BAS network and the WAN or Internet connection that allows the browser to receive web pages and data. The two separate network connections provide for a physical barrier to prevent raw BACnet traffic being exposed on the IP network.
3. The Web-page host shall provide for complete isolation of the IP and BACnet networks by not routing networking packets between the two networks.
4. BAS BACnet Ethernet network shall be provided and installed by the BAS supplier. Owner shall provide and incur any monthly charges of WAN/Internet connection.

D. Display of Data

1. Web page graphics shown on browser shall be replicas of the BAS displays. User shall need no additional training to understand information presented on Web pages when compared to what is shown on BAS displays. Web page displays shall include animation just as BAS displays. Fans shall turn, pilot lights shall blink, coils shall change colors, and so on.
2. Real-time data shall be shown on all browser Web pages. This data must be directly gathered via the BACnet network and automatically updated on browser Web page displays without any user action. Data on the browser shall automatically refresh as changes are detected without

re-drawing the complete display.

3. It shall be possible for user from browser Web page to change data if the user is logged on with the appropriate password. Clicking on a button or typing in a new value shall change digital data. Using pull-down menus or typing in a new value shall change analog data.
4. Data displays shall be navigated using pushbuttons on the displays that are simply clicked on with the mouse to select a new display. Alternatively, the standard back and forward buttons of the browser can be used for display navigation.

E. Time Schedule Adjustment

1. Web access shall allow user to view and edit all schedules in the system. This includes standard, holiday and event schedules as described in BAS specification. Display of schedules shall show interaction of all schedules on a single display so user sees an overview of how all work together. User shall be able to edit schedules from this display.
2. Display of all 3 schedules must show all ON times for standard, holiday and event schedules in different colors on a given day. In addition, OFF times for each must also be shown in additional colors. User shall be able to select from standard calendar what days are to be scheduled and same display shall show all points and zones affected. User shall be able to set time for one day and select all days of the week that shall be affected as a recurrence of that same schedule for that given day.
3. Schedule list shall show all schedules currently defined. This list shall include all standard, holiday and event schedules. In addition, user shall be able to select a list that shows all scheduled points and zones.

F. Logging of Information

1. User shall use standard browser technology to view all trend logs in system. User shall be able to view logged data in tabular form or graphical format. User shall be able to adjust time interval of logged data viewed and shall be able to adjust y axis of data viewed in graphical format. User shall also be able to down-load data through the web interface to local computer. Data shall be in CSV format.

G. Alarm Handling

1. Web interface shall display alarms as they occur. User shall be able to acknowledge alarms using browser technology. In addition, user shall be able to view history of alarm occurrence over a user selected time frame. In addition, those alarms may be filtered for viewing per user selected options. A single selection shall display all alarms that have not been acknowledged.

H. Web Page Generation

1. Web pages shall be generated automatically from the BAS displays that reside on the BAS server. User shall access Web-page host via the network and shall initiate a web page generation utility that automatically takes the BAS displays and turns them into Web pages. The Web pages generated are automatically installed on the Web page host for access via any computer's standard browser.

I. Password Security and Activity Log

1. Access via Web browser shall utilize the same hierarchical security scheme as BAS system. User shall be asked to log in once the browser makes connection to Web-page host. Once the user logs in, any and all changes that are made shall be tracked by the BAS system. The user shall be able to change only those items that the user has authority to change. A user activity report shall show any and all activity of the users that have logged in to the system regardless

of whether those changes were made using a browser or via the BAS workstation.

J. BACnet Communication

1. Web server shall directly communicate to all devices on the BAS network using BACnet protocol. No intermediate devices shall be necessary for BACnet communication.

2.05 UNITARY CONTROLLERS

A. Unitized, capable of stand-alone operation with sufficient memory to support its operating system, database, and programming requirements, and with sufficient I/O capacity for the application.

1. Configuration: Local keypad and display; diagnostic LEDs for power, communication, and processor; wiring termination to terminal strip or card connected with ribbon cable; memory with bios; and 72-hour battery backup.
2. Operating System: Manage I/O communication to allow distributed controllers to share real and virtual object information and allow central monitoring and alarms. Perform automatic system diagnostics; monitor system and report failures.
3. ASHRAE 135 Compliance: Communicate using read (execute and initiate) and write (execute and initiate) property services defined in ASHRAE 135. Reside on network using MS/TP datalink/physical layer protocol and have service communication port for connection to diagnostic terminal unit.
4. Enclosure: Dustproof rated for operation at 32 to 120 deg F.
5. Enclosure: Waterproof rated for operation at 40 to 150 deg F.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify that conditioned power supply is available to the control units and to the operator work station. Verify that field end devices, wiring, and pneumatic tubing is installed prior to installation proceeding.

3.02 INSTALLATION

- A. Install control units and other hardware in position on permanent walls where not subject to excessive vibration.
- B. Install software in control units and in operator work station. Implement all features of programs to specified requirements and appropriate to sequence of operation.
- C. Provide conduit and electrical wiring in accordance with division 26. Electrical material and installation shall be in accordance with appropriate requirements of Division 26.
 1. Provide conduit for all control wiring exposed to view. This includes but is not limited to all storage rooms, mechanical rooms, and similar spaces.
 2. Provide conduit for all control wiring concealed in inaccessible spaces. This includes but is not limited to wiring above/behind drywall and plaster ("hard") ceilings or soffits, and wiring within vertical chase spaces, regardless of whether access doors are provided or not.
 3. Control wiring that is concealed above readily accessible ceilings such as acoustical lay-in ceilings, need not be run in conduit.

- D. All exposed conduit wiring that is not located above an accessible ceiling shall be installed in conduit. This includes all storage room, mechanical rooms, etc.

3.03 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust field-assembled components and equipment installation, including connections, and to assist in field testing. Report results in writing.
- B. Perform the following field tests and inspections and prepare test reports:
1. Operational Test: After electrical circuitry has been energized, start units to confirm proper unit operation. Remove and replace malfunctioning units and retest.
 2. Test and adjust controls and safeties.
 3. Leak Test: After installation, charge system and test for leaks. Repair leaks and retest until no leaks exist.
 4. Pressure test control air piping at 30 psig or 1.5 times the operating pressure for 24 hours, with maximum 5-psig loss.
 5. Pressure test high-pressure control air piping at 150 psig and low-pressure control air piping at 30 psig for 2 hours, with maximum 1-psig loss.
 6. Test calibration of electronic controllers by disconnecting input sensors and stimulating operation with compatible signal generator.
 7. Test each point through its full operating range to verify that safety and operating control set points are as required.
 8. Test each control loop to verify stable mode of operation and compliance with sequence of operation. Adjust PID actions.
 9. Test each system for compliance with sequence of operation.
 10. Test software and hardware interlocks.
- C. DDC Verification:
1. Verify that instruments are installed before calibration, testing, and loop or leak checks.
 2. Check instruments for proper location and accessibility.
 3. Check instrument installation for direction of flow, elevation, orientation, insertion depth, and other applicable considerations.
 4. Check instrument tubing for proper fittings, slope, material, and support.
 5. Check installation of air supply for each instrument.
 6. Check flow instruments. Inspect tag number and line and bore size, and verify that inlet side is identified and that meters are installed correctly.
 7. Check pressure instruments, piping slope, installation of valve manifold, and self-contained pressure regulators.
 8. Check temperature instruments and material and length of sensing elements.
 9. Check control valves. Verify that they are in correct direction.
 10. Check air-operated dampers. Verify that pressure gages are provided and that proper blade alignment, either parallel or opposed, has been provided.
 11. Check DDC system as follows:
 - a. Verify that DDC controller power supply is from emergency power supply, if applicable.
 - b. Verify that wires at control panels are tagged with their service designation and approved tagging system.
 - c. Verify that spare I/O capacity has been provided.

- d. Verify that DDC controllers are protected from power supply surges.
- D. Replace damaged or malfunctioning controls and equipment and repeat testing procedures.

3.04 ADJUSTING

A. Calibrating and Adjusting:

1. Calibrate instruments.
2. Make three-point calibration test for both linearity and accuracy for each analog instrument.
3. Calibrate equipment and procedures using manufacturer's written recommendations and instruction manuals. Use test equipment with accuracy at least double that of instrument being calibrated.
4. Control System Inputs and Outputs:
 - a. Check analog inputs at 0, 50, and 100 percent of span.
 - b. Check analog outputs using milliamper meter at 0, 50, and 100 percent output.
 - c. Check digital inputs using jumper wire.
 - d. Check digital outputs using ohmmeter to test for contact making or breaking.
 - e. Check resistance temperature inputs at 0, 50, and 100 percent of span using a precision-resistant source.
5. Flow:
 - a. Set differential pressure flow transmitters for 0 and 100 percent values with 3-point calibration accomplished at 50, 90, and 100 percent of span.
 - b. Manually operate flow switches to verify that they make or break contact.
6. Pressure:
 - a. Calibrate pressure transmitters at 0, 50, and 100 percent of span.
 - b. Calibrate pressure switches to make or break contacts, with adjustable differential set at minimum.
7. Temperature:
 - a. Calibrate resistance temperature transmitters at 0, 50, and 100 percent of span using a precision-resistance source.
 - b. Calibrate temperature switches to make or break contacts.
8. Stroke and adjust control valves and dampers without positioners, following the manufacturer's recommended procedure, so that valve or damper is 100 percent open and closed.
9. Stroke and adjust control valves and dampers with positioners, following manufacturer's recommended procedure, so that valve and damper is 0, 50, and 100 percent closed.
10. Provide diagnostic and test instruments for calibration and adjustment of system.
11. Provide written description of procedures and equipment for calibrating each type of instrument. Submit procedures review and approval before initiating startup procedures.

B. Adjust initial temperature and humidity set points.

3.05 MANUFACTURER'S FIELD SERVICES

- A. Start and commission systems. Allow sufficient time for start-up and commissioning prior to placing control systems in permanent operation.
- B. Provide service engineer to instruct Owner's representative in operation of systems plant and equipment for 1/2 day period.

C. Provide basic operator training for unlimited persons on data display, alarm and status descriptors, requesting data, execution of commands and request of logs. Include a minimum of 4 hours dedicated instructor time. Provide training on site.

3.06 DEMONSTRATION AND INSTRUCTIONS

A. Demonstrate complete and operating system to Owner.

END OF SECTION

**SECTION 23 31 00
HVAC DUCTS AND CASINGS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Metal ducts.
- B. Flexible ducts.

1.02 RELATED REQUIREMENTS

- A. Section 23 07 13 - Duct Insulation: External insulation and duct liner.
- B. Section 23 33 00 - Air Duct Accessories.
- C. Section 23 36 00 - Air Terminal Units.
- D. Section 23 37 00 - Air Outlets and Inlets: Fabric air distribution devices.

1.03 REFERENCE STANDARDS

- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process 2022.
- B. NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilating Systems 2021.
- C. SMACNA (DCS) - HVAC Duct Construction Standards Metal and Flexible 2021.
- D. UL 181 - Standard for Factory-Made Air Ducts and Air Connectors Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data for flexible duct materials.
- C. Shop Drawings: Indicate duct fitting types, gauges, sizes, welds, and configuration.
- D. Project Record Documents: Record actual locations of ducts and duct fittings. Record changes in fitting location and type. Show additional fittings used.

1.05 REGULATORY REQUIREMENTS

- A. Construct ductwork to NFPA 90A standards.

1.06 FIELD CONDITIONS

- A. Do not install duct sealants when temperatures are less than those recommended by sealant manufacturers.
- B. Maintain temperatures within acceptable range during and after installation of duct sealants.

PART 2 PRODUCTS

2.01 METAL DUCTS

- A. Material Requirements:

1. Galvanized Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M FS Type B, with G60/Z180 coating.

2.02 FLEXIBLE DUCTS

- A. Flexible Ducts: UL 181, Class 1, polyethylene film, mechanically fastened and rolled using galvanized steel to form a spiral helix.
 1. Insulation: R6 insulation with aluminized vapor barrier film.
 2. Pressure Rating: 10 in-wc positive and 5 in-wc negative.
 3. Maximum Velocity: 5500 fpm.
 4. Temperature Range: Minus 20 degrees F to 250 degrees F.
 5. Manufacturers:
 - a. Flexmaster USA, a brand of Masterduct, Inc; Type 1.
- B. Acoustic Flexible Ducts: UL 181, Class 1, spun-bond nylon, mechanically fastened and rolled using galvanized steel to form a spiral helix.
 1. Insulation: R6 insulation with aluminized vapor barrier film.
 2. Pressure Rating: 6 in-wc positive and 5 in-wc negative.
 3. Maximum Velocity: 4000 fpm.
 4. Temperature Range: Minus 20 degrees F to 250 degrees F.
 5. Accessories;
 - a. Flex Duct kit. Maximum length 5 feet.
 6. Manufacturers:
 - a. Flexmaster USA, a brand of Masterduct, Inc; Type 6.
 - b. Substitutions: Not permitted.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install, support, and seal ducts in accordance with SMACNA (DCS).
- B. Install products following the manufacturer's instructions.
- C. During construction, provide temporary closures of metal or taped polyethylene on open ductwork to prevent construction dust from entering the ductwork system.
- D. Increase duct sizes gradually, not exceeding 15 degrees divergence wherever possible; maximum 30 degrees divergence upstream of equipment and 45 degrees convergence downstream.
- E. Flexible Ducts: Connect to metal ducts with mechanical fastener.
- F. Install acoustical flexible duct downstream of VAV boxes.
- G. Duct sizes indicated are inside precise dimensions. For lined ducts, maintain sizes inside lining.
- H. Duct sizes indicated shall be of sizes indicated. However, necessary changes in shape offsets or crossovers to clear piping, lighting, building construction obstructions, etc. shall be made without additional cost.
- I. Provide openings in ductwork as indicated to accommodate thermometers and controllers. Provide pilot tube openings as indicated for testing of systems, complete with metal can with spring device

or screw to insure against air leakage. For openings, insulate ductwork and install insulation material inside a metal ring.

- J. Locate ducts with sufficient space around equipment to allow normal operating and maintenance activities.
- K. Use double nuts and lock washers on threaded rod supports.
- L. Connect terminal units to supply ducts directly or with 1 foot maximum length of flexible duct. Do not use flexible duct to change direction.
- M. Connect diffusers or light troffer boots to low-pressure ducts directly or with 5 feet maximum length of flexible duct held in place with strap or clamp.

END OF SECTION

**SECTION 23 33 00
AIR DUCT ACCESSORIES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Air turning devices/extractors.
- B. Return air canopy.
- C. Duct test holes.
- D. Flexible duct connectors.
- E. Flexible duct forming brace.
- F. Volume control dampers.
- G. Miscellaneous products:
 - 1. Internal strut end plugs.
 - 2. Duct opening closure film.

1.02 RELATED REQUIREMENTS

- A. Section 23 31 00 - HVAC Ducts and Casings.
- B. Section 23 36 00 - Air Terminal Units: Pressure regulating damper assemblies.

1.03 REFERENCE STANDARDS

- A. NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilating Systems 2021.
- B. SMACNA (DCS) - HVAC Duct Construction Standards Metal and Flexible 2021.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide for shop fabricated assemblies including volume control dampers. Include electrical characteristics and connection requirements.
- C. Shop Drawings: Indicate for shop fabricated assemblies including volume control dampers.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Protect dampers from damage to operating linkages and blades.

PART 2 PRODUCTS

2.01 AIR TURNING DEVICES/EXTRACTORS

- A. Multi-blade device with blades aligned in short dimension; steel construction; with individually adjustable blades, mounting straps.

2.02 RETURN AIR CANOPY

- A. Manufacturer's:
 - 1. Titus; Model RCP.

- 2. Price; Model RAC.
- B. Performance:
 - 1. Return air canopy performance characteristics, including noise reduction and pressure drop, shall be attained through testing using modified ASTM Standard E477.
 - 2. Laboratory performance verification in the manufacturer's test facility may be requested, in which case a comparative test report shall be made available to the engineer.
- C. Construction:
 - 1. Return air canopies shall be constructed in accordance with ASHRAE and SMACNA Standards for the pressure and velocity classification specified for the air distribution system in which it is installed.
 - 2. Return air canopies shall be constructed of:
 - a. 20-gauge solid steel casing
 - 3. Acoustic media:
 - a. Absorptive acoustic fiberglass media.
 - 4. Acoustic media:
 - a. Fiberglass media:
 - 1) Acoustic media shall be shot-free inorganic glass fiber with long, resilient fibers, bonded with thermosetting resin.
 - 2) Glass fiber shall be in accordance with erosion requirements of UL 181 and shall conform to the physical properties and requirements of ASTM C1071.
- D. Fire-Performance Characteristics:
 - 1. Air transfer silencer assemblies, including acoustic media fill, sealants, and acoustical spacers shall have combustion rating equal to or less than shown below when tested according to ASTM E84, NFPA 255 or UL 723:
 - 2. Flame-spread index not exceeding 25
 - 3. Smoke-developed index not exceeding 50

2.03 DUCT TEST HOLES

- A. Temporary Test Holes: Cut or drill in ducts as required. Cap with neat patches, neoprene plugs, threaded plugs, or threaded or twist-on metal caps.
- B. Permanent Test Holes: Factory fabricated, air tight flanged fittings with screw cap. Provide extended neck fittings to clear insulation.

2.04 FLEXIBLE DUCT CONNECTORS

- A. Fabricate in accordance with SMACNA (DCS) and as indicated.
- B. Flexible Duct Connections: Fabric crimped into metal edging strip.
 - 1. Fabric: UL listed fire-retardant neoprene coated woven glass fiber fabric to NFPA 90A, minimum density 30 oz/sq yd.

2.05 FLEXIBLE DUCTS FORMING BRACE

- A. Manufacturers:
 - 1. Titus; Model FlexRight.
 - 2. Thermaflex; Model FlexFlow Elbow.
 - 3. Substitutions: See Section 01 60 00 - Product Requirements.

- B. UL Listed. Radius forming brace to hold flexible duct into a 90 degree elbow. Fits flexible duct sizes and diffuser inlets from 4 inches to 16 inches in diameter. Manufactured from copolymer polypropylene.

2.06 VOLUME CONTROL DAMPERS

- A. Manufacturers:
 - 1. Ruskin Company.
 - 2. Pottorff.
 - 3. Greenheck.
- B. Fabricate in accordance with SMACNA (DCS) and as indicated.
- C. End Bearings: Except in round ducts 12 inches and smaller, provide end bearings. On multiple blade dampers, provide oil-impregnated nylon, thermoplastic elastomer, or sintered bronze bearings.
- D. Quadrants:
 - 1. Provide locking, indicating quadrant regulators on single and multi-blade dampers.
 - 2. On insulated ducts mount quadrant regulators on stand-off mounting brackets, bases, or adapters.

2.07 MISCELLANEOUS PRODUCTS

- A. Internal Strut End Plugs: Combination end-mounting and sealing plugs for metal conduit used as internal reinforcement struts for metal ducts; plug crimped inside conduit with outside gasketed washer seal.
- B. Duct Opening Closure Film: Mold-resistant, self-adhesive film to keep debris out of ducts during construction.
 - 1. Thickness: 2 mils.
 - 2. High tack water based adhesive.
 - 3. UV stable light blue color.
 - 4. Elongation Before Break: 325 percent, minimum.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install accessories in accordance with manufacturer's instructions, NFPA 90A, and follow SMACNA (DCS). See Section 23 31 00 for duct construction and pressure class.
- B. Provide duct test holes where indicated and required for testing and balancing purposes.
- C. At fans and motorized equipment associated with ducts, provide flexible duct connections immediately adjacent to the equipment.
- D. At equipment supported by vibration isolators, provide flexible duct connections immediately adjacent to the equipment.
- E. Provide balancing dampers at points on supply, return, and exhaust systems where branches are taken from larger ducts as required for air balancing. Install minimum 2 duct widths from duct take-off.

F. Provide balancing dampers on duct take-off to diffusers, grilles, and registers, regardless of whether dampers are specified as part of the diffuser, grille, or register assembly.

END OF SECTION

**SECTION 23 34 23
HVAC POWER VENTILATORS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Ceiling exhaust fans.

1.02 REFERENCE STANDARDS

- A. AMCA 99 - Standards Handbook 2016.
- B. AMCA 204 - Balance Quality and Vibration Levels for Fans 2020.
- C. AMCA 210 - Laboratory Methods of Testing Fans for Certified Aerodynamic Performance Rating 2016.
- D. AMCA 300 - Reverberant Room Method for Sound Testing of Fans 2014.
- E. AMCA 301 - Methods for Calculating Fan Sound Ratings from Laboratory Test Data 2022.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data on fans and accessories, including fan curves with specified operating point plotted, power, rpm, sound power levels at rated capacity, and electrical characteristics and connection requirements.
- C. Maintenance Data: Include instructions for lubrication, motor and drive replacement, spare parts list, and wiring diagrams.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Greenheck.
- B. Loren Cook Company; Model ACE-B.
- C. Twin City Fan & Blower.

2.02 POWER VENTILATORS - GENERAL

- A. Static and Dynamically Balanced: Comply with AMCA 204.
- B. Performance Ratings: Comply with AMCA 210, bearing certified rating seal.
- C. Sound Ratings: Comply with AMCA 301, tested to AMCA 300, bearing certified sound ratings seal.
- D. Fabrication: Comply with AMCA 99.

- E. Electrical Components: Listed and classified by Underwriters Laboratories Inc. as suitable for the purpose specified and indicated.

2.03 CEILING EXHAUST FANS

- A. Centrifugal Fan Unit: Direct driven with galvanized steel housing lined with acoustic insulation, resiliently mounted motor, gravity backdraft damper in discharge.
- B. Disconnect Switch: Cord and plug-in housing for thermal overload protected motor.
- C. Grille: Aluminum with baked white enamel finish.
- D. Outlet: Round duct connection.
- E. Accessories:
 - 1. Pre-wired speed controller.
 - 2. Curb mounted roof cap.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install backdraft dampers on inlet to roof and wall exhausters.

END OF SECTION

**SECTION 23 36 00
AIR TERMINAL UNITS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Single-duct terminal units.
 - 1. Variable-volume units.

1.02 RELATED REQUIREMENTS

- A. Section 23 09 23 - Direct-Digital Control System for HVAC.
- B. Section 23 31 00 - HVAC Ducts and Casings.

1.03 REFERENCE STANDARDS

- A. AHRI 880 (I-P) - Performance Rating of Air Terminals 2017.
- B. ASHRAE Std 130 - Laboratory Methods of Testing Air Terminal Units 2016.
- C. ASTM C1071 - Standard Specification for Fibrous Glass Duct Lining Insulation (Thermal and Sound Absorbing Material) 2019.
- D. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum) 2020.
- E. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- F. NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilating Systems 2021.
- G. UL 181 - Standard for Factory-Made Air Ducts and Air Connectors Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data indicating configuration, general assembly, and materials used in fabrication. Include catalog performance ratings that indicate airflow, static pressure, and NC designation. Include electrical characteristics and connection requirements.
- C. Shop Drawings: Indicate configuration, general assembly, and materials used in fabrication, and electrical characteristics and connection requirements.
 - 1. Include schedules listing discharge and radiated sound power level for each of the second through sixth-octave bands at inlet static pressures of 1 to 4 in-wc.
- D. Project Record Documents: Record actual locations of units and controls components and locations of access doors required for access of valving.
- E. Operation and Maintenance Data: Include manufacturer's descriptive literature, operating instructions, maintenance and repair data, and parts lists. Include directions for resetting constant-volume regulators.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

PART 2 PRODUCTS

2.01 SINGLE-DUCT, VARIABLE-VOLUME UNITS

- A. Manufacturers:
1. Titus.
 2. Price Industries, Inc.
 3. Nailor.
 4. Substitutions: See Section 01 60 00 - Product Requirements.
- B. General:
1. Factory-assembled, AHRI 880 (I-P) rated and bearing the AHRI seal, air volume control terminal with damper assembly, flow sensor, externally mounted volume controller, duct collars, and all required features.
 2. Control box bearing identification, including but not necessarily limited to nominal cfm, maximum and minimum factory-set airflow limits, coil type and coil (right or left hand) connection, where applicable.
- C. Unit Casing:
1. Minimum 22 gauge, 0.0299 inch galvanized steel.
 - a. Assembled with longitudinal lock seam construction.
 - b. Casing leakage to meet ASHRAE Std 130.
 2. Air Inlet Collar: Provide round, suitable for standard flexible duct sizes.
 3. Unit Discharge: Rectangular, with slip-and-drive connections.
 4. Acceptable Liners:
 - a. 1/2 inch thick, coated, fibrous-glass complying with ASTM C1071.
 - 1) Secure with adhesive.
 - 2) Coat edges exposed to airstream with NFPA 90A approved sealant.
 - 3) Cover liner with non-porous foil.
 - b. Liner not to contain pentabrominated diphenyl ether (CAS #32534-81-9) or octabrominated diphenyl ether.
- D. Damper Assembly:
1. Heavy-gauge, galvanized steel, or extruded aluminum construction with solid steel, nickel-plated shaft pivoting on HDPE, self-lubricating bearings.
 2. Provide integral position indicator or alternative method for indicating damper position over full range of 90 degrees.
 3. Incorporate low leak damper blades for tight airflow shutoff.
- E. Electric Heating Coil:
1. Listed and provided by the terminal unit manufacturer.
 2. Coil Casing: 20 gauge, 0.0359 inch galvanized steel.
 3. Heating Elements: Nickel chrome, supported by ceramic insulators.
 4. Integral Control Panel: NEMA 250, Type 2 enclosure with hinged access door for access to all controls and safety devices.

5. Furnish a primary automatic reset thermal cutout and differential pressure airflow switch for proof of airflow.
 6. Provide the following additional components, mounted and/or wired within the control enclosure:
 - a. Fused or non-fused door interlocking disconnect switch.
 - b. Mercury contactors.
 - c. Fuse block.
 7. Factory wired, including all limit switches and steps of control as indicated on the equipment schedule, with the SSR (solid-state relay) proportional heat control.
 8. Provide SCR (Silicon Controlled Rectifier) controller.
- F. Electrical Requirements:
1. Single-point power connection.
 2. Equipment wiring to comply with requirements of NFPA 70.
- G. Controls:
1. DDC (Direct-Digital Controls):
 - a. Include a factory-installed, unit-mounted, direct-digital controller.
 - b. Bi-directional Damper Actuator: 24 volt, powered closed, spring return open.
 - c. Microprocessor-Based Controller: Air volume controller, pressure-independent with electronic airflow transducers, factory-calibrated maximum and minimum CFMs.
 - 1) Occupied and unoccupied operating mode.
 - 2) Remote reset of temperature or CFM set points.
 - 3) Proportional, plus integral control of room temperature.
 - 4) Monitoring and adjusting with portable terminal.
 - d. See Section 23 09 23.
 2. Airflow Sensor: Differential pressure airflow device measuring total, static, and wake pressures.
 - a. Signal accuracy: Plus/minus five percent throughout terminal operating range.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that conditions are suitable for installation.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install the inlets of air terminal units and air flow sensors a minimum of four duct diameters from elbows, transitions, and duct takeoffs.
- C. See drawings for the size(s) and duct location(s) of the air terminal units.
- D. Provide ceiling access doors or locate units above easily removable ceiling components.
- E. Do not support from ductwork.
- F. Connect to ductwork in accordance with Section 23 31 00.
- G. Check and verify location of thermostats with plans and room details before installation. Locate 48 inches above floor. Align with lighting switches.

3.03 ADJUSTING

- A. Reset volume with damper operator attached to assembly allowing flow range modulation from 100 percent of design flow to scheduled percent full flow. Set units with heating coils for minimum scheduled percent full flow.

3.04 CLEANING

- A. Vacuum clean coils and inside of units.

END OF SECTION

**SECTION 23 37 00
AIR OUTLETS AND INLETS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Diffusers:
- B. Slot ceiling diffusers.
- C. Registers/grilles:

1.02 REFERENCE STANDARDS

- A. NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilating Systems 2021.
- B. SMACNA (ASMM) - Architectural Sheet Metal Manual 2012.

1.03 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide data for equipment required for this project. Review outlets and inlets as to size, finish, and type of mounting prior to submission. Submit schedule of outlets and inlets showing type, size, location, application, and noise level.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

PART 2 PRODUCTS

2.01 SQUARE CEILING DIFFUSERS

- A. Manufacturers:
 - 1. Titus; Model TMS.
 - 2. Price Industries; Model SCD.
 - 3. Nailor Industries; Model RNS3.
- B. Type: Provide square, stamped, multi-core diffuser to discharge air in four way pattern..
- C. Connections: Round.
- D. Frame: Provide inverted T-bar type. In plaster ceilings, provide plaster frame and ceiling frame.
- E. Fabrication: Steel with baked enamel finish.
- F. Color: As selected by Architect/Engineer from manufacturer's standard range.
- G. Accessories: Provide radial opposed blade volume control damper; removable core with damper adjustable from diffuser face.

2.02 CEILING SLOT DIFFUSERS

- A. Manufacturers:
 - 1. Titus; Model EOSI.

2. Price.
 3. Nailor
- B. Auto-changeover diffuser with a bi-directional air pattern for cooling and heating applications
 - C. Type: Continuous 2-inch wide slot, 1 slots wide.
 - D. Unit casing shall be constructed of 24-gauge steel and pattern controller blade constructed of extruded aluminum.
 - E. The standard finish shall be black on the face of the diffuser and the pattern controller.
 - F. White ceiling T-Bars shall be a factory mounted.
 - G. Fabrication: Steel with factory baked enamel finish.
 - H. The supply diffusers shall have a single inlet and single discharge slot that uses a vertically-oriented extruded aluminum pattern controller with a tight sealing gasket at the top of the blade which seals against the inside plenum wall and provides full horizontal airflow in cooling mode or vertical airflow in heating mode. Supply diffusers shall have an internally-mounted self-powered actuator/motor assembly controlled by printed circuit board controller with logic programming. Supply diffusers shall have a solar cell mounted on the face to collect light energy to power the electronic controls and actuator assembly to provide bi-directional airflow. Actuators using bi-metal spring assembly or thermal wax mechanism are not acceptable. Actuators shall have electronic temperature sensors that sense the supply air temperature and move the pattern controller blade to a horizontal position for cooling when supply air temperature reaches the cooling set point and to a vertical position for heating when supply air temperature reaches the heating set point. Supply diffusers shall contain dip switches to adjust the cooling and heating temperature set points. Diffuser shall be equipped with a connector port that allows for connection of a secondary unit via control cable. The control switches and interconnect cable shall be accessible from the inlet side of the plenum.
 - I. For rooms with multiple quantities of the same diffuser, provide one standard unit (master). All others within same room shall be secondary (slave) units. Connect secondary units to master unit.
 - J. Plenum: Integral, galvanized steel, insulated.

2.03 PERFORATED FACE CEILING RETURN REGISTERS/GRILLES

- A. Manufacturers:
 1. Titus; Model PAR.
 2. Price Industries; Model PDDR.
 3. Nailor Industries; Model 4360.
- B. Type: Perforated face, removable from the grille face and shall be hinged for ease of removal of the screen.
- C. Frame: Inverted T-bar type. In plaster ceilings, provide plaster frame and ceiling frame.
- D. Fabrication: Steel with steel frame and baked enamel finish.
- E. Color: As selected by Architect with manufacturer's standard range.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Comply with SMACNA (ASMM) for flashing/counter-flashing of roof penetrations and supports for roof curbs and roof mounted equipment.
- C. Check location of outlets and inlets and make necessary adjustments in position to comply with architectural features, symmetry, and lighting arrangement.
- D. Install diffusers to ductwork with air tight connection.
- E. Provide balancing dampers on duct take-off to diffusers, and grilles and registers, despite whether dampers are specified as part of the diffuser, or grille and register assembly.

END OF SECTION

**SECTION 26 05 00
BASIC ELECTRICAL REQUIREMENTS**

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SECTION INCLUDES

- A. Basic Electrical Requirements and materials specifically applicable to Division 26 Sections, in addition to Division 1 - General Requirements. Section includes:
 - 1. Electrical Identification.
 - 2. Minor Demolition.
 - 3. Conductors.
 - 4. Raceways and Boxes.
 - 5. Supporting Devices.

1.03 REGULATORY REQUIREMENTS

- A. Conform to NFPA 70 - National Electrical Code, 2014 edition with amendments as adopted by the City of St. Charles, IL.
- B. Conform to building codes as adopted by the City of St. Charles, IL.
- C. Install electrical Work in accordance with the NECA Standard of Installation.

1.04 DELIVERY, STORAGE AND HANDLING

- A. Store and protect all materials as specified under the provisions of Section 01 60 00 and as specified herein.
- B. Deliver products to the project properly identified with names, model numbers, types, grades, compliance labels, and other information needed for identification.
- C. Ship products to the job site in their original packaging. Receive and store products in a suitable manner to prevent damage or deterioration. Keep equipment upright at all times.
- D. Investigate the spaces through which equipment must pass to reach its final destination. Coordinate with the manufacturer to arrange delivery at the proper stage of construction and to provide shipping splits where necessary.

1.05 PROJECT/SITE CONDITIONS

- A. Install work in locations shown on Drawings, unless prevented by Project conditions. Drawings have omitted certain branch circuitry in areas for ease of reading. All branch circuitry is to be provided by Contractor.
- B. Prepare drawings showing proposed rearrangement of Work to meet Project conditions, including changes to Work specified in other Sections. Obtain permission from Architect/Engineer before proceeding as specified under modification procedures.

1.06 QUALITY ASSURANCE

- A. Provide Work as required for a complete and operational electrical installation.
- B. All products shall be designed, manufactured, and tested in accordance with industry standards. Standards, organizations, and their abbreviations as used hereafter, include the following:
 - 1. American National Standards Institute, Inc (ANSI).
 - 2. American Society for Testing and Materials (ASTM).
 - 3. National Electrical Manufacturers Association (NEMA).
 - 4. Underwriters Laboratories, Inc. (UL).
- C. Install all Work in accordance with the NECA Standard of Installation.

1.07 SUBMITTALS

- A. Submit all requested items in Division 26 Sections under provisions of Section 01 30 00.

1.08 SUBSTITUTIONS

- A. Substitutions will be considered only as allowed within the provisions of Section 01 60 00.

1.09 PROJECT RECORD DOCUMENTS

- A. Cooperate and assist in the preparation of project record documents under the provisions of Section 01 78 00.

1.10 TEMPORARY UTILITIES

- A. Arrange with utility company and provide temporary lighting and power necessary for building construction and temporary structures. Perform work in accordance with Section 01 51 00 requirements.

1.11 PROJECT MANAGEMENT AND COORDINATION

- A. Proper project management and coordination is critical for a successful project. Manage and coordinate the Work with all other trades in accordance with Section 01 30 00 requirements. Reliance on the Drawings and Specifications only for exact project requirements is insufficient for proper coordination.

PART 2 PRODUCTS

2.01 WIRING METHODS

- A. All locations: Building wire in raceway.
- B. Use no wire smaller than 12 AWG for power and lighting circuits, and no smaller than 14 AWG for control wiring.
 - 1. Use 10 AWG conductor for 20 ampere, 120 volt branch circuit home runs longer than 100 feet. Use minimum #10 AWG conductor wire in all the following locations:
 - a. All emergency lighting and exit branch circuits.

2.02 WIRE AND CABLE

- A. Manufacturers:
 - 1. Okonite.
 - 2. Southwire.

3. Collyer.
- B. Building Wire:
1. Feeders and Branch Circuits Larger Than 6 AWG: Copper, stranded conductor, 600 volt insulation.
 2. Feeders and Branch Circuits 6 AWG and Smaller: Copper conductor, 600 volt insulation. 6 and 8 AWG, stranded conductor; smaller than 8 AWG, stranded conductor (solid for device terminations).
 3. Control Circuits: Copper, stranded conductor, 600 volt insulation.
 4. Use 10 AWG conductors for 20 ampere, 120 volt branch circuits longer than 75 feet.
 5. Use 10 AWG conductors for 20 ampere, 277 volt branch circuits longer than 200 feet.
 6. Use conductor not smaller than 12 AWG for power and lighting circuits.
 7. Use conductor not smaller than 16 AWG for control circuits.
- C. Locations:
1. Concealed Dry Interior Locations: Use only building wire with Type THHN insulation in raceway.
 2. Exposed Dry Interior Locations: Use only building wire with Type THHN insulation in raceway.
 3. Above Accessible Ceilings: Use only building wire with Type THHN insulation in raceway.
 4. Wet or Damp Interior Locations: Use only building wire with Type THWN insulation in raceway.
 5. Exterior Locations: Use only building wire with Type XHHW insulation in raceway.

2.03 RACEWAY REQUIREMENTS

- A. Use only specified raceway in the following locations:
1. Branch Circuits and Feeders:
 - a. Concealed Dry Interior Locations: Electrical metallic tubing.
 - b. Exposed Dry Interior Finished Locations: Electrical metallic tubing.
 - c. Exposed Dry Interior Unfinished Locations: Electrical metallic tubing.
 - d. All other locations: Galvanized Rigid Metallic Conduit.
- B. Size raceways for conductor type installed.
1. Minimum Size Conduit Homerun to Panelboard: 3/4-inch.

2.04 METALLIC CONDUIT AND FITTINGS

- A. Conduit:
1. Rigid Steel Conduit: ANSI C80.1.
 2. Electrical metallic tubing: ANSI C80.3.
 3. Flexible Conduit: UL 1, zinc-coated steel.
 - a. Liquidtight Flexible Conduit: UL360. Fittings shall be specifically approved for use with this raceway.
- B. Conduit Fittings:
1. Metal Fittings and Conduit Bodies: NEMA FB 1.
 - a. EMT fittings: Use set-screw indentor-type fittings.

2.05 CONDUIT HANGERS

- A. Manufacturers:
1. Minerrallac Electric Company.
 2. Substitutions: Or Approved Equal.

B. Description:

1. Standard conduit hanger, zinc-plated steel with bolts.
2. Threaded rod and hardware: Plated finish, size and length as required for loading and conditions.

2.06 BEAM CLAMPS

A. Manufacturers:

1. Appleton.
2. Midwest.
3. Racor.

B. Description: Malleable beam clamp, zinc plated steel.

2.07 ELECTRICAL BOXES

A. Manufacturers:

1. Racor.
2. Steel City.
3. Appleton.
4. Substitutions: Or Approved Equal.

B. Sheet Metal Outlet Boxes: ANSI/NEMA OS 1, galvanized steel, suitable for installation in masonry:

C. Equipment Support Boxes: Rated for weight of equipment supported; include 2 inch male fixture studs where required.

D. Wet Location Outlet Boxes: Cast aluminum: Cast alloy, deep type, gasket cover, threaded hubs.

2.08 PENETRATION SEALANTS

A. Thermal and Moisture Protection: Provide thermal and moisture protection made by Work under this Contract of all exterior wall, floor and roof penetrations in accordance with Division 7 requirements.

2.09 NAMEPLATES AND LABELS

A. Nameplates: Engraved three-layer laminated plastic, black letters on white background.

B. Locations:

1. Each electrical distribution and control equipment enclosure.

C. Letter Size:

1. Use 1/8 inch letters for identifying individual equipment and loads.
2. Use 1/4 inch letters for identifying grouped equipment and loads.

D. Labels: Embossed adhesive tape, with 3/16 inch white letters on a black background. Use only for identification of individual wall switches and receptacles and control device stations.

2.10 WIRE AND CABLE MARKERS

A. Manufacturers:

1. Brady Model PCPS.
2. Panduit Model PCM.
3. T & B Model WM.

- B. Description: Cloth type wire markers.
- C. Locations: Each conductor at panelboard gutters, pull boxes, and each load connection.
- D. Legend:
 - 1. Power and Lighting Circuits: Branch circuit or feeder number indicated on drawings.

2.11 CONDUIT MARKERS

- A. Location: Furnish markers for each conduit longer than 6 feet.
- B. Spacing: 20 feet on center.
- C. Color:
 - 1. 480 Volt System: Orange
 - 2. 208 Volt System: Black
 - 3. Fire Alarm System: Red.

PART 3 EXECUTION

3.01 EXAMINATION AND PREPARATION

- A. Demolition Drawings are based on casual field observation and are intended to identify the limits of the construction site. Remove all electrical systems in their entirety in proper sequence with the Work.
- B. Disconnect electrical systems in walls, floors, and ceilings for removal.
- C. Provide temporary wiring and connections to maintain existing systems in service during construction. When work must be performed on energized equipment or circuits, use personnel experienced in such operations.
- D. Existing Electrical Service and Emergency Electrical Service: Maintain existing system in service. Disable system only to make switchovers and connections. Obtain permission from Owner and Architect at least 24 hours before partially or completely disabling system. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area.
- E. Existing Fire Alarm System: Maintain existing system in service. Disable system only to make switchovers and connections. Notify Owner, Architect/Engineer and local fire service at least 24 hours before partially or completely disabling system. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area.
- F. Beginning of demolition means installer accepts existing conditions.
- G. Verify that supporting surfaces are ready to receive work.
- H. Electrical boxes are shown on Drawings, in approximate locations, unless dimensioned.
 - 1. Obtain verification from Architect/Engineer for locations of outlets throughout prior to rough-in.
- I. Degrease and clean surfaces to receive wire markers.
- J. Verify that interior of building is physically protected from weather.
- K. Verify that mechanical work which is likely to injure conductors has been completed.
- L. Completely and thoroughly swab raceway system before installing conductors.

3.02 DEMOLITION AND EXTENSION OF EXISTING ELECTRICAL WORK

- A. Remove, relocate, and extend existing installations to accommodate new construction.
- B. Remove abandoned wiring to source of supply.
- C. Remove exposed abandoned conduit, including abandoned conduit above accessible ceiling finishes. Cut conduit flush with walls and floors, and patch surfaces.
- D. Relocate existing fire alarm devices affected by wall, ceiling and floor demolition.
- E. Repair adjacent construction and finishes damaged during demolition and extension work.
- F. Properly dispose of all ballast to approved ballast recycler. Do not land fill ballasts.

3.03 APPLICATION

- A. Install nameplate and label parallel to equipment lines.
- B. Secure nameplate to equipment front using screws.
- C. Secure nameplates to inside surface of door on panelboard that is recessed in finished locations.
- D. Identify underground conduits using underground warning tape. Install one tape per trench at 3 inches below finished grade.
- E. Neatly train and secure wiring inside boxes, equipment, and panelboards.
- F. Use wire pulling lubricant for pulling 4 AWG and larger wires.
- G. Route wire and cable as required to meet project conditions.
 - 1. Wire and cable routing indicated is approximate unless dimensioned.
 - 2. Where wire and cable destination is indicated and routing is not shown, determine exact routing and lengths required.
- H. Pull all conductors into raceway at same time.
- I. Protect exposed cable from damage.
- J. Neatly train and lace wiring inside boxes, equipment and panelboards.
- K. Support cables above accessible ceilings to keep them from resting on ceiling tiles.
- L. Make splices, taps, and terminations to carry full ampacity of conductors without perceptible temperature rise.
- M. Use split bolt connectors for copper conductor splices and taps, 6 AWG and larger. Tape uninsulated conductors and connector with electrical tape to 150 percent of insulation rating of conductor.
- N. Provide anchors, fasteners, and supports in accordance with NECA "Standard of Installation".
- O. Do not fasten supports to pipes, ducts, mechanical equipment, and conduit.
- P. Do not use powder-actuated anchors.
- Q. Do not drill or cut structural members.

- R. Fabricate supports from structural steel or steel channel. Rigidly weld members or use hexagon head bolts to present neat appearance with adequate strength and rigidity. Use spring lock washers under all nuts.
- S. Install surface-mounted cabinets and panelboards with minimum of four anchors.
- T. In wet and damp locations use steel channel supports to stand cabinets and panelboards one inch off wall.
- U. Use sheet metal channel to bridge studs above and below cabinets and panelboards recessed in hollow partitions.
- V. Terminate spare conductors with electrical tape.
- W. Do not share neutral conductor on load side of dimmers.

END OF SECTION

**SECTION 26 05 83
WIRING CONNECTIONS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Electrical connections to equipment and devices not and integral part of the electrical distribution system.

1.02 REFERENCE STANDARDS

- A. NEMA WD 1 - General Color Requirements for Wiring Devices 1999 (Reaffirmed 2020).
- B. NEMA WD 6 - Wiring Devices - Dimensional Specifications 2021.
- C. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Provide conduit rough-in and electrical connection to powered equipment and devices identified in the Project Manual and on the Drawings. Refer specifically, but not limited to, these Specification Sections for further information:
 - 1. Section 08 71 00 - Door Hardware: Components electrically operated and/or controlled.
 - 2. Section 08 88 36.16 - Electronically Controlled Switchable Glass
 - 3. Section 28 46 00 - Fire Detection and Alarm.
 - 4. Section 23 34 23 - HVAC Power Ventilators.
 - 5. Section 23 36 00 - Air Terminal Units.
- B. Coordination: Determine connection locations and requirements for furniture, equipment and devices furnished or provided under other sections.
 - 1. Do not rely solely on the Drawings and Project Manual for execution of the Work of this Section.
 - 2. Obtain and review shop drawings, product data, manufacturer's wiring diagrams, and manufacturer's instructions.
 - 3. Include necessary field evaluation time to inspect connection requirements.
 - 4. Coordinate with other trades to determine exact rough-in requirements.
- C. Sequencing:
 - 1. Install rough-in of electrical connections before installation of furniture and equipment is required.
 - 2. Make electrical connections before required start-up of equipment.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide wiring device manufacturer's catalog information showing dimensions, configurations, and construction.
- C. Manufacturer's Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.

1.05 QUALITY ASSURANCE

- A. Comply with requirements of NFPA 70.
- B. Products: Listed, classified, and labeled as suitable for the purpose intended.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Cords and Caps: NEMA WD 6; match receptacle configuration at outlet provided for equipment.
 - 1. Colors: Comply with NEMA WD 1.
 - 2. Cord Construction: NFPA 70, Type SO, multiconductor flexible cord with identified equipment grounding conductor, suitable for use in damp locations.
 - 3. Size: Suitable for connected load of equipment, length of cord, and rating of branch circuit overcurrent protection.
 - 4. Product: Carol.
 - 5. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Wiring Devices: As specified in Section 26 27 26.
- C. Flexible Conduit: As specified in Section 26 05 00.
- D. Wire and Cable: As specified in Section 26 05 00.
- E. Boxes: As specified in Section 26 05 00.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that equipment is ready for electrical connection, wiring, and energization.

3.02 ELECTRICAL CONNECTIONS

- A. Make electrical connections in accordance with equipment manufacturer's instructions.
- B. Make conduit connections to equipment using flexible conduit. Use liquidtight flexible conduit with watertight connectors in damp or wet locations.
- C. Connect heat producing equipment using wire and cable with insulation suitable for temperatures encountered.
- D. Provide receptacle outlet to accommodate connection with attachment plug.
- E. Provide cord and cap where field-supplied attachment plug is required.
- F. Install suitable strain-relief clamps and fittings for cord connections at outlet boxes and equipment connection boxes.
- G. Install disconnect switches, controllers, control stations, and control devices to complete equipment wiring requirements.
- H. Install terminal block jumpers to complete equipment wiring requirements.

- I. Install interconnecting conduit and wiring between devices and equipment to complete equipment wiring requirements.

END OF SECTION

SECTION 26 27 26 WIRING DEVICES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Wall switches.
- B. Wall dimmers.
- C. Receptacles.
- D. Wall plates.
- E. Motion Sensors.

1.02 REFERENCE STANDARDS

- A. FS W-C-596 - Connector, Electrical, Power, General Specification for 2014h, with Amendments (2017).
- B. FS W-S-896 - Switches, Toggle (Toggle and Lock), Flush Mounted (General Specification) 2014g, with Amendment (2017).
- C. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.
- D. NECA 130 - Standard for Installing and Maintaining Wiring Devices 2016.
- E. NEMA WD 1 - General Color Requirements for Wiring Devices 1999 (Reaffirmed 2020).
- F. NEMA WD 6 - Wiring Devices - Dimensional Specifications 2021.
- G. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- H. UL 20 - General-Use Snap Switches Current Edition, Including All Revisions.
- I. UL 498 - Attachment Plugs and Receptacles Current Edition, Including All Revisions.
- J. UL 514D - Cover Plates for Flush-Mounted Wiring Devices Current Edition, Including All Revisions.
- K. UL 943 - Ground-Fault Circuit-Interrupters Current Edition, Including All Revisions.
- L. UL 1472 - Solid-State Dimming Controls Current Edition, Including All Revisions.

1.03 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the placement of outlet boxes with millwork, furniture, equipment, etc. installed under other sections or by others.
 - 2. Coordinate wiring device ratings and configurations with the electrical requirements of actual equipment to be installed.
 - 3. Coordinate the placement of outlet boxes for wall switches with actual installed door swings.
 - 4. Coordinate the installation and preparation of uneven surfaces, such as split face block, to provide suitable surface for installation of wiring devices.

5. Notify Architect/Engineer of any conflicts or deviations from Contract Documents to obtain direction prior to proceeding with work.

B. Sequencing:

1. Do not install wiring devices until final surface finishes and painting are complete.

1.04 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's catalog information showing dimensions, colors, and configurations.

C. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.

D. Operation and Maintenance Data:

1. Wall Dimmers: Include information on operation and setting of presets.

2. GFCI Receptacles: Include information on status indicators.

E. Project Record Documents: Record actual installed locations of wiring devices.

1.05 QUALITY ASSURANCE

A. Comply with requirements of NFPA 70.

B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

C. Products: Listed, classified, and labeled as suitable for the purpose intended.

1.06 DELIVERY, STORAGE, AND PROTECTION

A. Store in a clean, dry space in original manufacturer's packaging until ready for installation.

PART 2 PRODUCTS

2.01 APPLICATIONS

A. Provide wiring devices suitable for intended use and with ratings adequate for load served.

B. For single receptacles installed on an individual branch circuit, provide receptacle with ampere rating not less than that of the branch circuit.

C. Provide tamper resistant receptacles for receptacles installed in dwelling units.

D. Provide GFCI protection for receptacles installed within 6 feet of sinks.

E. Provide GFCI protection for receptacles installed in kitchens.

F. Provide GFCI protection for receptacles serving electric drinking fountains.

G. Unless noted otherwise, do not use combination switch/receptacle devices.

2.02 ALL WIRING DEVICES

- A. Provide products listed and classified by Underwriters Laboratories Inc. as suitable for the purpose specified and indicated.
- B. Finishes:
 - 1. All Wiring Devices: Ivory with stainless steel wall plate unless otherwise indicated.
 - 2. Wiring Devices Installed in Finished Spaces: Ivory with stainless steel wall plate unless otherwise indicated.
 - 3. Wiring Devices Installed in Unfinished Spaces: Gray with galvanized steel wall plate unless otherwise indicated.
 - 4. Wiring Devices Installed in Wet or Damp Locations: Ivory with specified weatherproof cover unless otherwise indicated.
 - 5. Wiring Devices Connected to Emergency Power: Red with red aluminum wall plate.

2.03 WALL SWITCHES

- A. Manufacturers:
 - 1. Hubbell Incorporated: www.hubbell.com/#sle.
 - 2. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
 - 3. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
 - 4. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Wall Switches - General Requirements: AC only, quiet operating, general-use snap switches with silver alloy contacts, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 20 and where applicable, FS W-S-896; types as indicated on the drawings.
 - 1. Wiring Provisions: Terminal screws for side wiring and screw actuated binding clamp for back wiring with separate ground terminal screw.
- C. Standard Wall Switches: Industrial specification grade, 20 A, 120/277 V with standard toggle type switch actuator and maintained contacts; single pole single throw, double pole single throw, three way, or four way as indicated on the drawings.

2.04 WALL DIMMERS

- A. Manufacturers:
 - 1. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
 - 2. Lutron Electronics Company, Inc: www.lutron.com/#sle.
 - 3. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
 - 4. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Wall Dimmers - General Requirements: Solid-state with continuous full-range even control following square law dimming curve, integral radio frequency interference filtering, power failure preset memory, air gap switch accessible without removing wall plate, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 1472; types and ratings suitable for load controlled as indicated on the drawings.
- C. Power Rating, Unless Otherwise Indicated or Required to Control the Load Indicated on the Drawings:

2.05 RECEPTACLES

A. Manufacturers:

1. Hubbell Incorporated: www.hubbell.com/#sle.
2. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
3. Lutron Electronics Company, Inc; Designer Style: www.lutron.com/#sle.
4. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.
5. Substitutions: See Section 01 60 00 - Product Requirements.

B. Receptacles - General Requirements: Self-grounding, complying with NEMA WD 1 and NEMA WD 6, and listed as complying with UL 498, and where applicable, FS W-C-596; types as indicated on the drawings.

1. Wiring Provisions: Terminal screws for side wiring or screw actuated binding clamp for back wiring with separate ground terminal screw.
2. NEMA configurations specified are according to NEMA WD 6.

C. Convenience Receptacles:

1. Standard Convenience Receptacles: Industrial specification grade, 20A, 125V, NEMA 5-20R; single or duplex as indicated on the drawings.

D. GFCI Receptacles:

1. GFCI Receptacles - General Requirements: Self-testing, with feed-through protection and light to indicate ground fault tripped condition and loss of protection; listed as complying with UL 943, class A.
 - a. Provide test and reset buttons of same color as device.
2. Standard GFCI Receptacles: Industrial specification grade, duplex, 20A, 125V, NEMA 5-20R, rectangular decorator style.

2.06 WALL PLATES

A. Manufacturers:

1. Hubbell Incorporated: www.hubbell-wiring.com/#sle.
2. Leviton Manufacturing Company, Inc: www.leviton.com/#sle.
3. Lutron Electronics Company, Inc: www.lutron.com/#sle.
4. Pass & Seymour, a brand of Legrand North America, Inc: www.legrand.us/#sle.

B. Wall Plates: Comply with UL 514D.

1. Configuration: One piece cover as required for quantity and types of corresponding wiring devices.
2. Size: Standard.
3. Screws: Metal with slotted heads finished to match wall plate finish.
4. Paintable metallic.

C. Stainless Steel Wall Plates: Brushed satin finish, Type 302 stainless steel.

2.07 MOTION SENSORS

A. Manufacturers:

1. Leviton
2. Hubbell
3. Lutron

4. Approved Equal
- B. Combination Wall Switch/Occupancy Sensor
1. Dual technology (passive infrared and ultrasonic), 277V sensor with 180degree field-of-view and maximum coverage of 2400 square feet.
 2. Manual push button for ON/OFF light switching.
 3. Time delay settings: 30 seconds, 10, 20 or 30 minutes).
 4. Adjustable Integral blinders.
 5. Sensor shall continuously monitor space to identify usage patterns. Unit shall automatically adjust time delay and sensitivity settings for optimal performance and energy efficiency.
- C. Ceiling Mounted.
1. Dual technology (passive infrared and ultrasonic), 24VDC sensor with unobtrusive appearance and 360 degrees of coverage.
 - a. Provide type/quantity of motion sensors to meet square foot coverage requirements.
 2. Provide power pack for 24VDC controls and switching of 120/277V circuits. Minimum quantity of sensors per power pack: 2.
 3. Sensor shall continuously monitor space to identify usage patterns. Unit shall automatically adjust time delay and sensitivity settings for optimal performance and energy efficiency.
 4. Time delay settings: Auto, fixed (5,10,15,20 or 30 minutes).
 5. Sensitivity settings: Auto, reduced sensitivity (passive infrared) variable (ultrasonic).
 6. (1) N/O and (1) N/C output.

2.08 SINGLE-POLE MOTOR RATED SWITCHES

- A. Manufacturers:
1. Square D.
 2. General Electric.
 3. Siemens.
 4. Substitutions: Or Approved Equal.
- B. NEMA ICS 2; AC general purpose Class A manually operated, full-voltage controller for fractional horsepower induction motors, with thermal overload unit, toggle operator.
1. Voltage: 120 Volt.
- C. Enclosure: NEMA 1, suitable for use in return air plenum where applicable.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that outlet boxes are installed in proper locations and at proper mounting heights and are properly sized to accommodate devices and conductors in accordance with NFPA 70.
- C. Verify that wall openings are neatly cut and will be completely covered by wall plates.
- D. Verify that final surface finishes are complete, including painting.
- E. Verify that branch circuit wiring installation is completed, tested, and ready for connection to wiring devices.
- F. Verify that conditions are satisfactory for installation prior to starting work.

3.02 PREPARATION

- A. Provide extension rings to bring outlet boxes flush with finished surface.
- B. Clean dirt, debris, plaster, and other foreign materials from outlet boxes.

3.03 INSTALLATION

- A. Perform work in accordance with NECA 1 (general workmanship) and, where applicable, NECA 130, including mounting heights specified in those standards unless otherwise indicated.
- B. Coordinate locations of outlet boxes provided under Section 26 05 00 as required for installation of wiring devices provided under this section.
 - 1. Mounting Heights: Unless otherwise indicated, as follows:
 - a. Wall Switches: 48 inches above finished floor.
 - b. Wall Dimmers: 48 inches above finished floor.
 - c. Receptacles: 18 inches above finished floor or 6 inches above counter.
 - 2. Orient outlet boxes for vertical installation of wiring devices unless otherwise indicated.
 - 3. Where multiple receptacles, wall switches, or wall dimmers are installed at the same location and at the same mounting height, gang devices together under a common wall plate.
 - 4. Locate wall switches on strike side of door with edge of wall plate 3 inches from edge of door frame. Where locations are indicated otherwise, notify Architect/Engineer to obtain direction prior to proceeding with work.
- C. Install wiring devices in accordance with manufacturer's instructions.
- D. Install permanent barrier between ganged wiring devices when voltage between adjacent devices exceeds 300 V.
- E. Where required, connect wiring devices using pigtails not less than 6 inches long. Do not connect more than one conductor to wiring device terminals.
- F. Connect wiring devices by wrapping conductor clockwise 3/4 turn around screw terminal and tightening to proper torque specified by the manufacturer. Where present, do not use push-in pressure terminals that do not rely on screw-actuated binding.
- G. Unless otherwise indicated, connect wiring device grounding terminal to branch circuit equipment grounding conductor and to outlet box with bonding jumper.
- H. Unless otherwise indicated, GFCI receptacles may be connected to provide feed-through protection to downstream devices. Label such devices to indicate they are protected by upstream GFCI protection.
- I. Install wiring devices plumb and level with mounting yoke held rigidly in place.
- J. Install wall switches with OFF position down.
- K. Install wall dimmers to achieve full rating specified and indicated after derating for ganging as instructed by manufacturer.
- L. Do not share neutral conductor on branch circuits utilizing wall dimmers.
- M. Install vertically mounted receptacles with grounding pole on top and horizontally mounted receptacles with grounding pole on left.

- N. Install wall plates to fit completely flush to wall with no gaps and rough opening completely covered without strain on wall plate. Repair or reinstall improperly installed outlet boxes or improperly sized rough openings. Do not use oversized wall plates in lieu of meeting this requirement.
- O. Install blank wall plates on junction boxes and on outlet boxes with no wiring devices installed or designated for future use.

3.04 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Inspect each wiring device for damage and defects.
- C. Operate each wall switch and wall dimmer with circuit energized to verify proper operation.
- D. Test each receptacle to verify operation and proper polarity.
- E. Test each GFCI receptacle for proper tripping operation according to manufacturer's instructions.
- F. Correct wiring deficiencies and replace damaged or defective wiring devices.

3.05 ADJUSTING

- A. Adjust devices and wall plates to be flush and level.
- B. Adjust presets for wall dimmers according to manufacturer's instructions as directed by Architect/Engineer.

3.06 CLEANING

- A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

END OF SECTION

**SECTION 26 51 00
INTERIOR LUMINAIRES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Interior luminaires.
- B. Emergency lighting units.
- C. Exit signs.
- D. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section 26 27 26 - Wiring Devices: Manual wall switches and wall dimmers.

1.03 REFERENCE STANDARDS

- A. 47 CFR 15 - Radio Frequency Devices current edition.
- B. IESNA LM-63 - ANSI Approved Standard File Format for Electronic Transfer of Photometric Data and Related Information 2002 (Reaffirmed 2008).
- C. IES LM-79 - Approved Method: Optical and Electrical Measurements of Solid-State Lighting Products 2019.
- D. IES LM-80 - Approved Method: Measuring Maintenance of Light Output Characteristics of Solid-State Light Sources 2021.
- E. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.
- F. NECA/IESNA 500 - Standard for Installing Indoor Lighting Systems 2006.
- G. NECA/IESNA 502 - Standard for Installing Industrial Lighting Systems 2006.
- H. NEMA LE 4 - Recessed Luminaires, Ceiling Compatibility 2012 (Reaffirmed 2018).
- I. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- J. NFPA 101 - Life Safety Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- K. UL 924 - Emergency Lighting and Power Equipment Current Edition, Including All Revisions.
- L. UL 1598 - Luminaires Current Edition, Including All Revisions.
- M. UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the installation of luminaires with mounting surfaces installed under other sections or by others. Coordinate the work with placement of supports, anchors, etc. required for

mounting. Coordinate compatibility of luminaires and associated trims with mounting surfaces at installed locations.

2. Coordinate the placement of luminaires with structural members, ductwork, piping, equipment, diffusers, fire suppression system components, and other potential conflicts installed under other sections or by others.
3. Coordinate the placement of exit signs with furniture, equipment, signage or other potential obstructions to visibility installed under other sections or by others.
4. Notify Architect/Engineer of any conflicts or deviations from Contract Documents to obtain direction prior to proceeding with work.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings:
 1. Provide photometric calculations where luminaires are proposed for substitution upon request.
 2. Indicate construction, installation and mounting details for products.
 3. Wiring Diagrams: Submit wiring diagrams for all exit sign, night light, self-contained back-up battery lighting, battery ballasts and associated circuit breakers, programmable circuit breakers and/or emergency circuit breakers.
- C. Product Data: Provide manufacturer's standard catalog pages and data sheets including detailed information on luminaire construction, dimensions, ratings, finishes, mounting requirements, listings, service conditions, photometric performance, installed accessories, and ceiling compatibility; include model number nomenclature clearly marked with all proposed features.
 1. LED Luminaires:
 - a. Include estimated useful life, calculated based on IES LM-80 test data.
 2. Lamps: Include rated life, color temperature, color rendering index (CRI), and initial and mean lumen output.
 3. Wiring diagrams: Provide wiring diagrams for dimmable ballasts and dimmable switches.
- D. Certificates for Dimming Ballasts: Manufacturer's documentation of compatibility with dimming controls to be installed.
- E. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.
- F. Operation and Maintenance Data: Instructions for each product including information on replacement parts.
- G. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 1. See Section 01 60 00 - Product Requirements, for additional provisions.
- H. Project Record Documents: Record actual connections and locations of luminaires and any associated remote components.

1.06 QUALITY ASSURANCE

- A. Comply with requirements of NFPA 70.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

1.07 DELIVERY, STORAGE, AND PROTECTION

- A. Receive, handle, and store products according to NECA/IESNA 500 (commercial lighting), NECA/IESNA 502 (industrial lighting), and manufacturer's written instructions.
- B. Keep products in original manufacturer's packaging and protect from damage until ready for installation.

1.08 FIELD CONDITIONS

- A. Maintain field conditions within manufacturer's required service conditions during and after installation.

1.09 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide three year manufacturer warranty for LED luminaires, including drivers.

PART 2 PRODUCTS

2.01 LUMINAIRE TYPES

- A. Furnish products as indicated in luminaire schedule included on the drawings.
- B. Substitutions: See Section 01 60 00 - Product Requirements except where individual luminaire types are designated with substitutions not permitted.

2.02 LUMINAIRES

- A. Manufacturers:
 - 1. Acuity Brands, Inc: www.acuitybrands.com/#sle.
 - 2. Cooper Lighting, a division of Cooper Industries: www.cooperindustries.com/#sle.
 - 3. Hubbell Lighting, Inc: www.hubbellighting.com/#sle.
- B. Provide products that comply with requirements of NFPA 70.
- C. Provide products that are listed and labeled as complying with UL 1598, where applicable.
- D. Provide products listed, classified, and labeled as suitable for the purpose intended.
- E. Provide products complying with Federal Energy Management Program (FEMP) requirements.
- F. Unless otherwise indicated, provide complete luminaires including lamp(s) and all sockets, ballasts, reflectors, lenses, housings and other components required to position, energize and protect the lamp and distribute the light.
- G. Unless specifically indicated to be excluded, provide all required conduit, boxes, wiring, connectors, hardware, supports, trims, accessories, etc. as necessary for a complete operating system.
- H. Provide products suitable to withstand normal handling, installation, and service without any damage, distortion, corrosion, fading, discoloring, etc.
- I. Recessed Luminaires:
 - 1. Ceiling Compatibility: Comply with NEMA LE 4.

2. Luminaires Recessed in Insulated Ceilings: Listed and labeled as IC-rated, suitable for direct contact with insulation and combustible materials.
3. Luminaires Recessed in Sloped Ceilings: Provide suitable sloped ceiling adapters.

J. LED Luminaires:

1. Components: UL 8750 recognized or listed as applicable.
2. Tested in accordance with IES LM-79 and IES LM-80.
3. LED Estimated Useful Life: Minimum of 50,000 hours at 70 percent lumen maintenance, calculated based on IES LM-80 test data.

K. LED Luminaire Components: UL 8750 recognized or listed as applicable.

2.03 EMERGENCY LIGHTING UNITS

- A. Description: Emergency lighting units complying with NFPA 101 and all applicable state and local codes, and listed and labeled as complying with UL 924.
- B. Operation: Upon interruption of normal power source or brownout condition exceeding 20 percent voltage drop from nominal, solid-state control automatically switches connected lamps to integral battery power for minimum of 90 minutes of rated emergency illumination, and automatically recharges battery upon restoration of normal power source.
- C. Battery:
 1. Sealed maintenance-free lead calcium unless otherwise indicated.
 2. Size battery to supply all connected lamps, including emergency remote heads where indicated.
- D. Diagnostics: Provide power status indicator light and accessible integral test switch to manually activate emergency operation.
- E. Provide low-voltage disconnect to prevent battery damage from deep discharge.
- F. Accessories:
 1. Provide compatible accessory mounting brackets where indicated or required to complete installation.
 2. Provide compatible accessory high impact polycarbonate vandal shields where indicated.
 3. Provide compatible accessory wire guards where indicated.
 4. Where indicated, provide emergency remote heads that are compatible with the emergency lighting unit they are connected to and suitable for the installed location.

2.04 EXIT SIGNS

- A. Description: Exit signs complying with NFPA 101 and applicable state and local codes, and listed and labeled as complying with UL 924.
 1. Number of Faces: Single- or double-face as indicated or as required for installed location.
 2. Directional Arrows: As indicated or as required for installed location.
- B. Powered Exit Signs: Internally illuminated with LEDs unless otherwise indicated.
 1. Self-Powered Exit Signs:
 - a. Operation: Upon interruption of normal power source or brownout condition exceeding 20 percent voltage drop from nominal, solid-state control automatically switches connected lamps to integral battery power for minimum of 90 minutes of rated emergency illumination, and automatically recharges battery upon restoration of normal power source.

- b. Diagnostics: Provide power status indicator light and accessible integral test switch to manually activate emergency operation.
- c. Provide low-voltage disconnect to prevent battery damage from deep discharge.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that outlet boxes are installed in proper locations and at proper mounting heights and are properly sized to accommodate conductors in accordance with NFPA 70.
- C. Verify that suitable support frames are installed where required.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to luminaires.
- E. Verify that conditions are satisfactory for installation prior to starting work.
- F. Examine substrate and supporting grids for luminaires.
- G. Examine each fixture to determine suitability for lamps specified.

3.02 PREPARATION

- A. Provide extension rings to bring outlet boxes flush with finished surface.
- B. Clean dirt, debris, plaster, and other foreign materials from outlet boxes.

3.03 INSTALLATION

- A. Coordinate locations of outlet boxes provided under Section 26 05 00 as required for installation of luminaires provided under this section.
- B. Install products in accordance with manufacturer's instructions.
- C. Install luminaires securely, in a neat and workmanlike manner, as specified in NECA 500 (commercial lighting) and NECA 502 (industrial lighting).
- D. Install luminaires plumb and square and aligned with building lines and with adjacent luminaires.
- E. Locate recessed ceiling luminaires as indicated on reflected ceiling plan.
- F. Install wall mounted luminaires, emergency units and exit signs at height as indicated on Drawings and directed in the field by Architect. Obtain final approval from Architect prior to commencement of this portion of work.
- G. Install accessories furnished with each luminaire.
- H. Make wiring connections to branch circuit using building wire with insulation suitable for temperature conditions within luminaire.
- I. Suspended Ceiling Mounted Luminaires:
 - 1. Do not use ceiling tiles to bear weight of luminaires.
 - 2. Support luminaires larger than 2 foot by 4 foot size independent of ceiling framing.
 - 3. Secure lay-in luminaires to ceiling support channels using listed safety clips at four corners.

4. See appropriate Division 9 section where suspended grid ceiling is specified for additional requirements.
- J. Recessed Luminaires:
1. Install trims tight to mounting surface with no visible light leakage.
 2. Install recessed luminaires to permit removal from below.
 3. Install recessed luminaires using accessories and firestopping materials to meet regulatory requirements for fire rating.
 4. Install clips to secure recessed grid-supported luminaires in place.
- K. Install accessories furnished with each luminaire.
- L. Bond products and metal accessories to branch circuit equipment grounding conductor.
- M. Emergency Lighting Units:
1. Unless otherwise indicated, connect unit to unswitched power from circuit indicated. Bypass local switches, contactors, or other lighting controls.
- N. Exit Signs:
1. Unless otherwise indicated, connect unit to unswitched power from circuit indicated. Bypass local switches, contactors, or other lighting controls.
- O. Fluorescent Emergency Power Supply Units:
1. Unless otherwise indicated, connect unit to unswitched power from same circuit feeding normal ballast(s) in luminaire. Bypass local switches, contactors, or other lighting controls.
- P. Install lamps in each luminaire.
- Q. Lamp Burn-In: Operate lamps at full output for prescribed period per manufacturer's recommendations prior to use with any dimming controls. Replace lamps that fail prematurely due to improper lamp burn-in.

3.04 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Inspect each product for damage and defects.
- C. Operate each luminaire after installation and connection to verify proper operation.
- D. Test self-powered exit signs, emergency lighting units, and fluorescent emergency power supply units to verify proper operation upon loss of normal power supply.
- E. Correct wiring deficiencies and repair or replace damaged or defective products. Repair or replace excessively noisy ballasts as determined by Architect/Engineer.
- F. Energy Code Commissioning: The electrical contractor shall program, test, calibrate and confirm the proper operation and placement of all lighting controls in accordance with the International Energy Code, 2018 Edition Paragraph C408.3 "Functional testing of lighting controls".

3.05 ADJUSTING

- A. Aim and position adjustable luminaires to achieve desired illumination as indicated or as directed by Architect/Engineer. Secure locking fittings in place.

- B. Aim and position adjustable emergency lighting unit lamps to achieve optimum illumination of egress path as required or as directed by Architect/Engineer or authority having jurisdiction.
- C. Exit Signs with Field-Selectable Directional Arrows: Set as indicated or as required to properly designate egress path as directed by Architect/Engineer or authority having jurisdiction.
- D. Relamp luminaires which have failed lamps at completion of work.

3.06 CLEANING

- A. Clean surfaces according to NECA 500 (commercial lighting), NECA 502 (industrial lighting), and manufacturer's instructions to remove dirt, fingerprints, paint, or other foreign material and restore finishes to match original factory finish.

3.07 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.
- B. Demonstration: Demonstrate proper operation of luminaires to Architect/Engineer, and correct deficiencies or make adjustments as directed.
- C. Just prior to Substantial Completion, replace all lamps that have failed.
- D. Project record documents: Accurately record location of each luminaire.

3.08 PROTECTION

- A. Protect installed luminaires from subsequent construction operations.

END OF SECTION

SECTION 27 05 28.29
HANGERS AND SUPPORTS FOR COMMUNICATIONS SYSTEMS

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Cable Hangers.
 - 2. Ladder Rack.
 - 3. Support Hardware.

1.02 REFERENCES

- A. NECA - National Contractors Association.
- B. ANSI/NFPA 70 - National Electrical Code.
- C. EIA/TIA 569: Commercial building Standard for Pathways and Spaces.
- D. NEMA VE1 - Metallic Cable Tray Systems.
- E. NEMA VE2 - Metal Cable Tray Installation Guidelines.

1.03 SUBMITTALS

- A. Shop Drawings: Provide shop drawings for riser cable hanger (multi-tier tray system). Indicate all construction details with cross section of all proposed systems indicated.
 - 1. Design Requirements: Provide conductor fill requirements for cable tray fill after all low voltage system shop drawings have been prepared.
- B. Product Literature: Provide product literature for all system components.

PART 2 PRODUCTS

2.01 PRODUCT REQUIREMENTS

- A. Materials and Finishes: Provide adequate corrosion resistance.
- B. Provide materials, sizes, and types of anchors, fasteners and supports to carry the loads of equipment and conduit. Consider weight of wire in conduit when selecting products.
- C. Anchors and Fasteners:
 - 1. Concrete Structural Elements: Use expansion anchors.
 - 2. Steel Structural Elements: Use beam clamps.
 - 3. Concrete Surfaces: Use self-drilling anchors and expansion anchors.
 - 4. Hollow Masonry, Plaster, and Gypsum Board Partitions: Use toggle bolts.
 - 5. Solid Masonry Walls: Use expansion anchors and preset inserts.
 - 6. Sheet Metal: Use sheet metal screws.
 - 7. Wood Elements: Use wood screws.

2.02 LADDER RACK

- A. Manufacturers:
 - 1. Square D.

2. B-Line.

- B. Description: NEMA VE-1 Class 8A, ladder cable tray, aluminum, 6" rung spacing, 18" width.
1. Accessories: Grounding clamp, ladder drop-out bushing, cable ties, conduit to tray adapter.
 2. Support: Wall-bracket and trapeze with threaded rod and clamps.

2.03 CABLE HANGERS - HORIZONTAL CABLING

A. Manufacturers:

1. Caddy.
2. Panduit.
3. Saunder.

B. Description: EIA/TIA 569-A compliant, wall-mount, j-hook type fastener. Size per intended cable installation plus 50% spare capacity.

2.04 CABLE HANGERS - RISER CABLING

A. Manufacturers:

1. B-Line Multi-Tier Half Track System or equal.

B. Description:

1. Load Depth: 3 (three) inches
2. Material: Aluminum.
3. Rung Spacing: 18 (eighteen) inches.
4. Rung Width:
 - a. Top Two Rungs: 3 (three) inches.
 - b. Bottom Two Rungs: 9 (nine) inches.
5. Type: Four tier.
6. Length: Continuous for length of corridor, as indicated.
7. Mounting: Wall mount, expansion anchor.
8. Accessories: Cable Drop Outs, plastic rail end caps, couplings. Blind end plates, horizontal barriers with clips (between systems).

2.05 BEAM CLAMPS

A. Manufacturers:

1. Appleton.
2. Midwest.
3. Raco.

B. Description: Malleable beam clamp, zinc plated steel.

2.06 BACKBOARDS

A. Material: Plywood.

B. Description: 4'x8'x3/4" AC fire rated plywood. Cut to fit.

END OF SECTION

SECTION 27 05 53
IDENTIFICATION FOR COMMUNICATIONS SYSTEMS

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Labels.
 - 2. Color Coding.
 - 3. Nomenclature.

1.02 REFERENCES

- A. ANSI/NFPA 70 - National Electrical Code.
- B. EIA/TIA 606 - The Administrative Standard for the Telecommunications Infrastructure of Commercial Buildings.

PART 2 PRODUCTS

2.01 COLOR CODING

- A. Wire and Cable shall be factory color-coded by integral pigmentation with a separate color as scheduled hereafter.
- B. Color Coding Schedule:
 - 1. Horizontal Data Cable and Jacks (UTP): Blue.
 - 2. Backbone Data Cable (UTP): White.
 - 3. Backbone Fiber Optic Cable: Orange
 - 4. Horizontal Phone Cable and Jacks: Beige/Brown.
 - 5. Backbone Phone Cable: Grey.

2.02 LABELS

- A. Manufacturers:
 - 1. Panduit.
 - 2. Leviton.
 - 3. Sycor
- B. Cable and patch panel labels: Self-laminating adhesive polyester laser printer label. White background with black lettering. Nomenclature as specified hereafter.
- C. Cable Bundles: Non adhesive polyester laser labels with cable ties. White background with black lettering. Nomenclature as specified hereafter.
- D. Punch Down Blocks: Non-adhesive laser printer label. White background with black lettering.

2.03 NOMENCLATURE

- A. Outlets: Arrangement and inscriptions as specified herein and indicated on Drawings.
 - 1. Faceplate Label: Room Number-Outlet Tag (e.g. 202S1)
 - 2. Jack: Jack type- above (e.g. "Data", "Phone", "Video"), Port designation-below (e.g. "A").
- B. Horizontal Cable: IDF Closet-Room Number-Outlet Tag-Port Designation (e.g. "M-202-S1-A")

1. Cable bundles: IDF Closet-Room Numbers (e.g. M-202,6,8,12,14,18)
- C. Rack: Sequentially by number (e.g. "1")
- D. Rack Ports and Punch Down Blocks: Room Number-Outlet Tag-Port Designation (e.g. "202-S1-A").
- E. Backbone and Fiber Optic Cable: DF Closet(from)-IDF Closet(to)-pair number (e.g. M-1-1).

2.04 WARNING LABELS

- A. Manufacturers:
 1. Panduit.
 2. Brady.
 3. Siecor.
- B. Fiber Optic Cable: Vinyl, black lettering with yellow background label as "FIBER OPTIC".
- C. Fiber Optic Cable Terminations: Polyester, red and black lettering, silver background danger label conforming with TIA/EIA Section 6.2.4.

PART 3 EXECUTION

3.01 PREPARATION

- A. Degrease and clean surfaces to receive nameplates and labels.

3.02 APPLICATION

- A. Install labels parallel to equipment lines.
- B. Locate labels at each cable end and bundle. Locate additional label at midpoint of each cable bundle and each cable pull location.
- C. Pre-print all labels at minimum 600 dpi resolution .
- D. Replace illegible or missing labels (for any reason) at contractor's sole expense up to final payment.
- E. Label all components in conformance with EIA/TIA 606 standard.
- F. Locate fiber optic warning label at twenty foot intervals along the length of the cable run.
 1. Locate fiber optic danger labels at each termination hardware location.
- G. Cable Schedule: Full size (Sheet E---) Post in prominent location at each wiring closet and cabinet. List incoming and outgoing cables and their designations, origins, and destinations. Protect with rigid frame and clear plastic cover.
 1. Provide electronic and paper copy of final comprehensive schedules for Project. Utilize software with full OLE capabilities to interface with Owner's available software. At Contractor's option, purchase software and license for Owner in lieu of OLE requirement.

END OF SECTION

**SECTION 27 10 00
STRUCTURED CABLING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Communications system design requirements.
- B. Copper cable and terminations.
- C. Communications equipment room fittings.
- D. Communications outlets.

1.02 RELATED REQUIREMENTS

1.03 REFERENCE STANDARDS

- A. BICSI N1 - Installation Practices for Telecommunications and ICT Cabling and Related Cabling Infrastructure, 1st Edition 2019.
- B. EIA/ECA-310 - Cabinets, Racks, Panels, and Associated Equipment 2005e.
- C. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. TIA-569 - Telecommunications Pathways and Spaces 2019e.
- E. TIA-568-C.2 - Balanced Twisted-Pair Telecommunications Cabling and Components Standards 2009, with Addendum (2016).
- F. TIA-569-D - Telecommunications Pathways and Spaces 2015d, with Addendum (2016).
- G. TIA-606 - Administration Standard for Telecommunications Infrastructure 2021d.
- H. TIA-607-C - Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises 2015c, with Addendum (2017).
- I. UL 514C - Nonmetallic Outlet Boxes, Flush-Device Boxes, and Covers Current Edition, Including All Revisions.
- J. UL 1863 - Communications-Circuit Accessories Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate requirements for service entrance and entrance facilities with Communications Service Provider.
 - 2. Coordinate the work with other trades to avoid placement of other utilities or obstructions within the spaces dedicated for communications equipment.
 - 3. Coordinate arrangement of communications equipment with the dimensions and clearance requirements of the actual equipment to be installed.
 - 4. Notify Architect/Engineer of any conflicts with or deviations from the contract documents. Obtain direction before proceeding with work.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets for each product.
- C. Field Test Reports.

PART 2 PRODUCTS

2.01 SYSTEM DESIGN

- A. Provide a complete permanent system of cabling and pathways for voice and data communications, including cables, conduits and wireways, pull wires, support structures, enclosures and cabinets, and outlets.
 - 1. Provide connection devices that are rated for operation under conditions of 32 to 140 degrees F at relative humidity of 0 to 95 percent, noncondensing.
 - 2. In this project, the term plenum is defined as return air spaces above ceilings, inside ducts, under raised floors, and other air-handling spaces.
- B. Intermediate Distribution Frames (IDF): Support structures for terminating horizontal cables that extend to telecommunications outlets.
 - 1. Locate intermediate distribution frames as indicated on the drawings.
- C. Cabling to Outlets: Specified horizontal cabling, wired in star topology to distribution frame located at center hub of star; also referred to as "links".

2.02 COPPER CABLE AND TERMINATIONS

- A. Manufacturers:
 - 1. CommScope: www.commscope.com/#sle.
 - 2. General Cable Technologies Corporation: www.generalcable.com/#sle.
 - 3. Siemon Company: www.siemon.com/#sle.
 - 4. Hubbell Premise Wiring : www.hubbell.com.
 - 5. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Copper Horizontal Cable:
 - 1. Description: 100 ohm, balanced twisted pair cable complying with TIA-568-C.2 and listed and labeled as complying with UL 444.
 - 2. Cable Type - Data: TIA-568-C.2 Category 6 UTP (unshielded twisted pair); 23 AWG.
 - 3. Cable Capacity: 4-pair.
 - 4. Cable Applications: Use listed NFPA 70 Type CMP plenum cable unless otherwise indicated.
 - 5. Cable Jacket Color -Data Cable: Blue.
 - 6. Product(s):
 - a. CommScope; SYSTIMAX Twisted Pair Cables; GigaSPEED XL Category 6 U/UTP Cable: www.commscope.com/#sle.
 - b. General Cable Technologies Corporation; GenSPEED Cables: www.generalcable.com/#sle.
 - c. Hubbell Premise Wiring; NEXTSPEED Link 6 UTP Cables: www.hubbell.com.
- C. Copper Cable Terminations: Insulation displacement connection (IDC) type using appropriate tool; use screw connections only where specifically indicated.

- D. Jacks and Connectors: Modular RJ-45, non-keyed, terminated with 110-style insulation displacement connectors (IDC); high impact thermoplastic housing; suitable for and complying with same standard as specified horizontal cable; UL 1863 listed.
 - 1. Performance: 500 mating cycles.
 - 2. Voice and Data Jacks: 8-position modular jack, color-coded for both T568A and T568B wiring configurations.
 - 3. Product(s):
 - a. Hubbell Premise Wiring; Xcelerator Category 6 Jack: www.hubbell.com.

2.03 COMMUNICATIONS EQUIPMENT ROOM FITTINGS

- A. Copper Cross-Connection Equipment:
 - 1. Manufacturers:
 - a. Hubbell Premise Wiring: www.hubbell.com.
 - b. Substitutions: See Section 01 60 00 - Product Requirements.
 - 2. Patch Panels for Copper Cabling: Sized to fit EIA/ECA-310 standard 19 inch wide equipment racks; 0.09 inch thick aluminum; cabling terminated on Type 110 insulation displacement connectors; printed circuit board interface.
 - a. Jacks: Non-keyed RJ-45, suitable for and complying with same standard as cable to be terminated; maximum 24 ports per standard width panel.
 - b. Labels: Factory installed laminated plastic nameplates above each port, numbered consecutively; comply with TIA-606.
 - c. Provide incoming cable strain relief and routing guides on back of panel.
 - 3. Product(s):
 - a. Hubbell Premise Wiring; iStation HDPJ High Density Jack Panels: www.hubbell.com.

2.04 COMMUNICATIONS OUTLETS

- A. Manufacturers:
 - 1. Hubbell Premise Wiring: www.hubbell.com.
- B. Outlet Boxes:
 - 1. Provide depth as required to accommodate cable manufacturer's recommended minimum conductor bend radius.
- C. Wall Plates:
 - 1. Comply with system design standards and UL 514C.
 - 2. Accepts modular jacks/inserts.
 - 3. Capacity:
 - a. Data or Combination Voice/Data Outlets: 2 ports.
 - 4. Wall Plate Material/Finish - Flush-Mounted Outlets: High impact thermoplastic, color to be selected.
 - 5. Product(s):
 - a. Hubbell Premise Wiring; netSELECT Wallplates: www.hubbell.com.

2.05 IDENTIFICATION PRODUCTS

- A. Comply with TIA-606.

PART 3 EXECUTION

3.01 INSTALLATION - GENERAL

- A. Comply with latest editions and addenda of TIA-568 (SET) (cabling), TIA-569-D (pathways), TIA-607-C (grounding and bonding), NECA/BICSI 568, NFPA 70, and SYSTEM DESIGN as specified in PART 2.
- B. Comply with Communication Service Provider requirements.

3.02 INSTALLATION OF EQUIPMENT AND CABLING

- A. Cabling:
 - 1. Do not bend cable at radius less than manufacturer's recommended bend radius; for unshielded twisted pair use bend radius of not less than 4 times cable diameter.
 - 2. Do not over-cinch or crush cables.
 - 3. Do not exceed manufacturer's recommended cable pull tension.
 - 4. When installing in conduit, use only lubricants approved by cable manufacturer and do not chafe or damage outer jacket.
- B. Service Loops (Slack or Excess Length): Provide the following minimum extra length of cable, looped neatly:
 - 1. At Distribution Frames: 120 inches.
 - 2. At Outlets - Copper: 12 inches.
- C. Copper Cabling:
 - 1. For 4-pair cables in conduit, do not exceed 25 pounds pull tension.
 - 2. Use T568B wiring configuration.
- D. Identification:
 - 1. Use wire and cable markers to identify cables at each end.
 - 2. Use manufacturer-furnished label inserts, identification labels, or engraved wallplate to identify each jack at communications outlets with unique identifier.
 - 3. Use identification nameplate to identify cross-connection equipment, equipment racks, and cabinets.

3.03 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Comply with inspection and testing requirements of specified installation standards.
- C. Visual Inspection:
 - 1. Inspect cable jackets for certification markings.
 - 2. Inspect cable terminations for color coded labels of proper type.
 - 3. Inspect outlet plates and patch panels for complete labels.
- D. Testing - Copper Cabling and Associated Equipment:
 - 1. Test backbone cables after termination but before cross-connection.
 - 2. Test backbone cables for DC loop resistance, shorts, opens, intermittent faults, and polarity between connectors and between conductors and shield, if cable has overall shield.
 - 3. Category 5e and Above Links: Perform tests for wire map, length, attenuation, NEXT, and propagation delay.

E. Final Testing: After all work is complete, including installation of telecommunications outlets, and telephone dial tone service is active, test each voice jack for dial tone.

END OF SECTION

**SECTION 28 10 00
ACCESS CONTROL**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Access control system requirements.
- B. Security Management System (SMS).
- C. Security field controllers.

1.02 RELATED REQUIREMENTS

- A. Section 08 11 13 - Hollow Metal Doors and Frames.
- B. Section 08 43 13 - Aluminum-Framed Storefronts.
- C. Section 08 71 00 - Door Hardware: Electrically operated door hardware, for interface with access control system.
- D. Section 23 09 23 - Direct-Digital Control System for HVAC: Building automation system.
- E. Section 26 05 83 - Wiring Connections

1.03 REFERENCE STANDARDS

- A. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.
- B. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- C. UL 294 - Access Control System Units Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the work with other installers to provide suitable door hardware as required for both access control functionality and code compliance.
 - 2. Coordinate the placement of readers with millwork, furniture, equipment, etc. installed under other sections or by others.
 - 3. Coordinate the work with other installers to provide power for equipment at required locations.
- B. Preinstallation Meetings:
 - 1. Conduct meeting with facility representative to review reader and equipment locations.
 - 2. Conduct meeting with facility representative and other related equipment manufacturers to discuss access control system interface requirements.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Include plan views indicating locations of system components and proposed size, type, and routing of conduits and/or cables. Include elevations and details of proposed equipment arrangements. Include system interconnection schematic diagrams. Include requirements for interface with other systems.

- C. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.
- D. Test Reports: Indicate satisfactory completion of required tests and inspections.
- E. Certification: The installer shall Furnish, in writing, proof of compliance with system manufacturer's service and installation certification programs.
- F. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and starting of system.
- G. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.
- H. Operation Data: Operating instructions.
- I. Maintenance Data: Maintenance and repair procedures.
- J. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.
 - 2. One (1) credential (key card or fob as directed by Owner) per authorized employee plus 50 additional credentials, preprogrammed to be fully functional within the SMS.
 - a. Deliver blank credentials to Owner as directed.

1.06 QUALITY ASSURANCE

- A. Comply with the following:
 - 1. NFPA 70.
 - 2. The requirements of the local authorities having jurisdiction.
 - 3. Applicable TIA/EIA standards.
- B. Conform to requirements of NFPA 70.
- C. Manufacturer Qualifications: Firms with a minimum of 5 years experience in manufacturing equipment of the type and capacities indicated that have a record of successful in-service performance. The prime system manufacturer shall maintain a service center capable of providing training, parts, and emergency maintenance and repairs for the overall system.
- D. Manufacturer's Field Representative: Factory representative to be fully certified for all system components and possess minimum 2 years document system design / application experience.
- E. Installer Qualifications: Factory authorized sales and service representative for the system submitted. Installer must be capable of providing emergency maintenance and repairs of the overall system at the project site within 24 hours maximum response time. The installer shall have a local office staffed with factory trained technicians, fully capable of supervising installation, system start-up, providing training and servicing of both hardware and software for systems of similar complexity and function as the system described in this specification.
 - 1. Installing contractor shall be licensed in the State of Illinois to provide the service and equipment described herein. Proof of license(s) must be submitted to the architect prior to award of contract.

- F. Products: Furnish products listed and classified by Underwriters Laboratories Inc. as suitable for purpose specified and indicated.
- G. Within six (6) months of substantial completion, provide optional maintenance contract for ongoing service and maintenance of SMS to Owner. Contract acceptance shall be at the sole discretion of the Owner.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Access Control Units - Basis of Design: HONEYWELL PROWATCH 3000 SYSTEM.
- B. Readers and Keypads - Basis of Design: HID Global.
- C. Basis of Design:

2.02 ACCESS CONTROL SYSTEM REQUIREMENTS

- A. Provide products listed, classified, and labeled as suitable for the purpose intended.
 - 1. Access Control Units and Readers: Listed and labeled as complying with UL 294.

2.03 ACCESS CONTROL POINT PERIPHERALS

- A. Door Locking Devices (Electric Strikes and Magnetic Locks): Comply with Section 08 71 00.

2.04 COMPONENTS (BASIS OF DESIGN)

- A. Products: Provide products listed and classified by Underwriters Laboratories Inc. (UL 294) as suitable for purpose specified and indicated.
- B. Encoded Readers:
 - 1. Manufacturer: HID Global: www.hidglobal.com.
 - 2. Product: iCLASS SE R40.
 - a. Provide manufacturer's standard kit for glazed side lite mounting applications where indicated on drawings.
 - b. Provide R for mullion mount applications where indicated on drawings.
- C. Encoded Controllers:
 - 1. Product: HONEYWELL PROWATCH PW5K1R2 PW-5000 SERIES DUAL READER MODULES.
- D. Electric Strikes:
 - 1. As specified in Section 08 71 00.
- E. Door Contacts: Concealed type, unless noted otherwise.
 - 1. Manufacturer: General Electric Company: www.gesecurity.com.
 - 2. Product: Sentrol 1078 Series.
 - a. Manufacturer's standard finish matched as closely as possible to final frame color.
 - 3. Provide Sentrol Series 2300 for overhead doors.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that ratings and configurations of system components are consistent with the indicated requirements.
- C. Verify that mounting surfaces are ready to receive system components.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system.
- E. Verify that conditions are satisfactory for installation prior to starting work.

3.02 COORDINATION OF TRADES

- A. Coordinate system installation with related trades including, but not limited to, electrical contractor and carpentry contractor.
 - 1. Coordinate installation of electrified door hardware.
 - 2. Coordinate acquisition of electrical installation instructions with carpentry contractor and electrical contractor.
- B. SMS contractor to be in attendance at project meetings to arrange coordination of related trades prior to construction of masonry walls.
- C. Prior to construction of masonry walls, coordinate location of conduit stubs and related electrical rough-in components for SMS installed by electrical contractor.
- D. Obtain electrical instructions and related electrical door hardware components to ensure coordination of electrified door hardware with electrical systems.
- E. Act as liaison between trades performing work in Related Section to ensure all documents and accessories related to the SMS are provided in such a manner as to ensure smooth installation and commissioning of the SMS.

3.03 INSTALLATION

- A. Install access control system in accordance with NECA 1 (general workmanship).
- B. Install components and commission system in accordance with manufacturer's specifications, recommendations and instructions.
- C. Wiring Method: Unless otherwise indicated, use cables (not in conduit).
 - 1. Use suitable listed cables in wet locations, including underground raceways.
 - 2. Use suitable listed cables for vertical riser applications.
 - 3. Use listed plenum rated cables in spaces used for environmental air.
 - 4. Use power transfer hinges complying with Section 08 71 00 for concealed connections to door hardware.
 - 5. Route exposed cables parallel or perpendicular to building structural members and surfaces.
 - 6. Do not exceed manufacturer's recommended maximum cable length between components.
- D. Install low voltage wire and make low voltage wiring connections to electrified door hardware devices.

1. Conduit within doors to be provided by door manufacturer.
- E. Provide wire sized according to component manufacturer's requirements and recommendations, including those for electrified locking hardware.
- F. Install power supplies for electrified door hardware.

3.04 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Manufacturer Services: Furnish services of technician to supervise installation, adjustments, final connections, system testing and commissioning, and to train Owner personnel.
- C. Prepare and start system in accordance with manufacturer's instructions.
- D. Program system parameters according to requirements of Owner.
- E. Test for proper interface with other systems.

3.05 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.

END OF SECTION

**SECTION 28 46 00
FIRE DETECTION AND ALARM**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Modifications to existing fire alarm system, including all components, wiring, and conduit.
- B. Replacement and removal of existing fire alarm system components, wiring, and conduit indicated.

1.02 RELATED REQUIREMENTS

- A. Section 08 71 00 - Door Hardware: Electrically operated locks and door holder devices to be monitored and released by fire alarm system.
- B. Section 21 13 00 - Fire-Suppression Sprinkler Systems: Supervisory, alarm, and actuating devices installed in sprinkler system.

1.03 REFERENCE STANDARDS

- A. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines current edition.
- B. ADA Standards - 2010 ADA Standards for Accessible Design 2010.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Evidence of designer qualifications.
- C. Shop Drawings: Submit all information required for plan review and permitting by authorities having jurisdiction, including but not limited to floor plans, riser diagrams, and description of operation:
 - 1. Shop drawing submitted to Architect/Engineer shall be approved and signed by the authority having jurisdiction.
 - 2. Submit point-to-point and single line wiring diagrams showing the point of connection and terminals used for all field connections.
 - 3. Submit diagrams showing all connections from field devices to control panel.
 - a. Include a detailed description of the control panel as it shall operate for this specific installation.
 - 4. Submit field wiring color-coding legend.
 - 5. Submit control panel interior wiring diagram.
 - 6. Indicate existing wiring arrangements and locations of devices and wiring routing.
 - 7. Copy (if any) of list of data required by authority having jurisdiction.
 - 8. NFPA 72 "Record of Completion", filled out to the extent known at the time.
 - 9. Location of all components, circuits, and raceways; mark components with identifiers used in control unit programming.
 - 10. Manufacturer's detailed data sheet for each component, including wiring diagrams, installation instructions, circuit length limitations, dimensions, ratings, layouts and complete catalog numbers.
 - a. Submit UL listings with cross-listing substantiation for each system component clearly marked.

11. Description of power supplies; if secondary power is by battery include calculations demonstrating adequate battery power.
 12. Certification by either the manufacturer of the control unit or by the manufacturer of each other component that the components are compatible with the control unit.
 13. Certification by the manufacturer of the control unit that the system design complies with Contract Documents.
 14. Certification by Contractor that the system design complies with Contract Documents.
 15. Do not show existing components to be removed.
- D. Evidence of installer qualifications.
- E. Evidence of instructor qualifications; training lesson plan outline.
- F. Evidence of maintenance contractor qualifications, if different from installer.
- G. Inspection and Test Reports:
1. Submit inspection and test plan prior to closeout demonstration.
 2. Submit documentation of satisfactory inspections and tests.
 3. Submit NFPA 72 "Inspection and Test Form," filled out.
- H. Project Record Documents: See Section 01 78 00 for additional requirements; have one set available during closeout demonstration:
1. Complete set of floor plans showing actual installed locations of components, conduit, and zones.
 2. "As installed" wiring and schematic diagrams, with final terminal identifications.
 3. "As programmed" operating sequences, including control events by device, updated input/output chart, and voice messages by event.
- I. Closeout Documents:
1. Certification by manufacturer that the system has been installed in compliance with manufacturer's installation requirements, is complete, and is in satisfactory operating condition.
 2. NFPA 72 "Record of Completion", filled out completely and signed by installer and authorized representative of authority having jurisdiction.

1.05 QUALITY ASSURANCE

- A. Designer: Qualified employee of fire alarm control panel manufacturer, Contractor, or installer, with experience designing fire alarm systems in the jurisdictional area of the authorities having jurisdiction.
1. Delegated Engineering Responsibility: Provide design services necessary to modify initiating device circuits, notification circuits and affected control panels and power supplies. Provide all necessary drawings and specification to local authority having jurisdiction for approval to modify this existing system as intended.
- B. Manufacturer: Qualified company specializing in smoke detection and fire alarm systems with five years documented experience.
- C. Installer: Qualified firm with minimum 5 years documented experience installing fire alarm systems of the specified type and providing contract maintenance service as a regular part of their business.
1. Authorized representative of control unit manufacturer; submit manufacturer's certification that installer is authorized; include name and title of manufacturer's representative making certification.

2. Installer Personnel: At least 2 years of experience installing fire alarm systems.
 3. Supervisor: NICET level III or IV (3 or 4) certified fire alarm technician; furnish name and address.
- D. Maintenance Contractor: Same entity as installer or different entity with specified qualifications.
- E. Instructor Qualifications: Experienced in technical instruction, understanding fire alarm theory, and able to provide the required training; trained by fire alarm control unit manufacturer.
- F. Qualified personnel includes those persons that are:
1. Factory trained and certified; OR
 2. NICET Level III or IV (3 or 4) Fire Alarm certified; OR
 3. International Municipal Signal Association Fire Alarm certified; OR
 4. Certified by state (Illinois Department of Professional Regulation); OR
 5. Trained, qualified, and employed by an organization listed by a national testing laboratory.

1.06 WARRANTY

- A. Provide control panel manufacturer's warranty that system components other than wire and conduit are free from defects and will remain so for 1 year after date of Substantial Completion.
- B. Provide installer's warranty that the installation is free from defects and will remain so for 1 year after date of Substantial Completion.
- C. Contractor shall, as condition precedent to final payment, execute a written guaranty to the Owner. Materials and equipment furnished by him under this Contract shall remain in satisfactory operating condition for a period of one year from the date of the final acceptance of the Work by the Owner. The guaranty shall also include prompt emergency service. All defects or damages due to faulty materials or workmanship shall be repaired or replaced without delay to the Owner's satisfaction and at the Contractor's expense.

1.07 MAINTENANCE

- A. Submit Under Provisions of Section 01 78 00.
- B. Include operating instructions, and maintenance and repair procedures.
- C. Provide a one year full maintenance and inspection service from date of Final Acceptance. Conform to maintenance and inspection service requirements of NFPA 72.
- D. Provide a one year supervising station monitoring service from date of Final Acceptance.

1.08 EXISTING CONDITIONS

- A. The existing fire alarm system control panel is a SimplexGrinell 4100U Addressable System.
1. The existing control panel will be modified and expanded to feed new devices as shown on the floor plans.
 2. Provide new equipment compatible with existing devices and system at site.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Initiating Devices and Notification Appliances:
1. Same manufacturer as control units.

2. Provide initiating devices and notification appliances made by the same manufacturer, where possible.

B. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 FIRE ALARM SYSTEM

- A. Fire Alarm System: Provide modifications and extensions to the existing automatic fire detection and alarm system:
1. Provide all components necessary, regardless of whether shown in Contract Documents or not.
 2. Protected Premises: Areas denoted on the drawings.
 3. Comply with the following; where requirements conflict, order of precedence of requirements is as listed:
 - a. ADA Standards.
 - b. The requirements of the local authority having jurisdiction which is City of Geneva.
 - c. Applicable local codes.
 - d. Contract Documents (drawings and specifications).
 - e. NFPA 72; where the word "should" is used consider that provision mandatory; where conflicts between requirements require deviation from NFPA 72, identify deviations clearly on design documents.
 4. Evacuation Alarm: Single smoke zone; general evacuation of entire premises.
 5. Zoning: Point addressable system with initiating devices being individually zoned.
 6. Existing Control Panel: Make modifications to the existing panel:
 - a. Additional Power Supplies: Adequate to serve control panel modules, remote detectors, keypads, door holders, relays and alarm signaling devices. Include battery-operated emergency power supply with capacity for operating system in standby mode for 60 hours followed by alarm mode for 5 minutes.
- B. Supervising Stations and Fire Department Connections:
1. Existing connections to remain.
- C. Circuits:
1. Initiating Device Circuits (IDC): Class B, Style A.
 2. Signaling Line Circuits (SLC) Within Single Building: Class B, Style 0.5.
 3. Notification Appliance Circuits (NAC): Class B, Style W.
 4. All cabling shall be plenum rated.
- D. Spare Capacity:
1. Initiating Device Circuits: Minimum 25 percent spare capacity.
 2. Notification Appliance Circuits: Minimum 25 percent spare capacity.
 3. Fire Alarm Control Units: Capable of handling all circuits utilized to capacity without requiring additional components other than plug-in control modules.
- E. Power Sources:
1. Primary: Dedicated branch circuits of the facility power distribution system.
 2. Secondary: Storage batteries.
 3. Capacity: Sufficient to operate entire system for period specified by NFPA 72.
 4. Each Computer System: Provide uninterruptible power supply (UPS).

2.03 EXISTING COMPONENTS

- A. Clearly label components that are "Not In Service."
- B. Remove unused existing components and materials from site and dispose of properly.

2.04 FIRE SAFETY SYSTEMS INTERFACES

- A. HVAC:
 - 1. Duct Smoke Detectors: Close dampers indicated; shut down air handlers indicated.

2.05 COMPONENTS

- A. General:
 - 1. Provide flush mounted units where installed in finish areas; in unfinished areas, surface mounted unit are acceptable.
 - 2. Provide legible, permanent labels for each control device, using identification used in operation and maintenance data.
- B. Fire Alarm Power Supplies, Initiating Devices, and Notification Appliances: Analog, addressable type; listed by Underwriters Laboratories as suitable for the purpose intended.
- C. Notification Appliances:
 - 1. Combination Horn/Strobes: NFPA 72 and UL 1971; electronic horn rated 90 dBA average at 10 feet. Provide integral 110 candela strobe lamp and flasher. Provide red trim ring for semi-flush mounting. Synchronize strobes within site of each other. Compatible with control panel.
 - 2. Strobes: NFPA 72 and UL 1971; Provide integral 110 candela strobe lamp and flasher. Provide red trim ring for semi-flush mounting. Synchronize strobes within site of each other. Compatible with control panel.
- D. Zone Module Interface:
 - 1. Single zone interface module shall provide an addressable input interface to the control panel for monitoring normally open contact devices. Mount inside NEMA 1 enclosure within 10 feet of first monitored device of zone. Compatible with control panel.
- E. Control Relay Module:
 - 1. Programmable control relay shall be located within 10' of device to be controlled. Temporal sound pattern. Audio shall be synchronized.
- F. Circuit Conductors: Copper or optical fiber; provide 200 feet extra; color code and label.

PART 3 EXECUTION

3.01 EXAMINATION AND PREPARATION

- A. Field inspect existing fire alarm system installation to determine all required interface components necessary for fire alarm system replacement and relocation.
- B. Perform repair work on existing system to eliminate trouble conditions.

3.02 INSTALLATION

- A. Install in accordance with applicable codes, NFPA 72, NFPA 70, and Contract Documents.
- B. Install fire alarm system in accordance with manufacturer's instructions.

1. Install manual station with operating handle 4 feet above floor. Install horn strobe units 7.5 feet above floor.
- C. Conceal all wiring, conduit, boxes, and supports where installed in finished areas.
- D. Obtain Owner's approval of locations of devices, before installation.
- E. Install instruction cards and labels.

3.03 INSPECTION AND TESTING FOR COMPLETION

- A. Perform field inspection and testing of fire alarm system in accordance with Section 01 78 00.
- B. Notify Owner 7 days prior to beginning completion inspections and tests.
- C. Notify authorities having jurisdiction and comply with their requirements for scheduling inspections and tests and for observation by their personnel.
- D. Provide the services of the installer's supervisor or person with equivalent qualifications to supervise inspection and testing, correction, and adjustments.
- E. Prepare for testing by ensuring that all work is complete and correct; perform preliminary tests as required.
- F. Provide all tools, software, and supplies required to accomplish inspection and testing.
- G. Perform inspection and testing in accordance with NFPA 72 and requirements of local authorities; document each inspection and test.
 1. Include description of testing and results in test report.
 2. Perform 100 percent acceptance test to NFPA 72 standards on system.
- H. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.

3.04 MANUFACTURER'S FIELD SERVICES

- A. Include services of technician to supervise installation, adjustments, final connections, and system testing.

3.05 CLOSEOUT

- A. Closeout Demonstration: Demonstrate proper operation of all functions to Owner.
 1. Be prepared to conduct any of the required tests.
 2. Have at least one copy of operation and maintenance data, preliminary copy of project record drawings, input/output matrix, and operator instruction chart(s) available during demonstration.
 3. Have authorized technical representative of control unit manufacturer present during demonstration.
 4. Demonstration may be combined with inspection and testing required by authority having jurisdiction; notify authority having jurisdiction in time to schedule demonstration.
 5. Repeat demonstration until successful.
- B. Substantial Completion of the project cannot be achieved until inspection and testing is successful and:
 1. Approved operating and maintenance data has been delivered.
 2. Spare parts, extra materials, and tools have been delivered.

3. All aspects of operation have been demonstrated to Owner.
 4. Final acceptance of the fire alarm system has been given by authorities having jurisdiction.
- C. Perform post-occupancy instruction within 3 months after Substantial Completion.

END OF SECTION

Notice

[Closed Bid]

Project Number 23-037 KC Sheriff's Office Renovation Project
Title Bid 23-037 Sheriff's Office Renovation Project

Basic Information

Reference Number 0000323432
Issuing Organization Kane County
Owner Organization
Project Type IFB - Invitation for Bid (Formal)
Project Number 23-037 KC Sheriff's Office Renovation Project
Title Bid 23-037 Sheriff's Office Renovation Project
Source ID PU.AG.USA.1985140.C12442026
Piggyback Solicitation No

Details

Location Kane County, Illinois

Dates

Publication 06/22/2023 08:57 AM CDT
Bid Intent Not Available
Question Acceptance Deadline 07/12/2023 03:00 PM CDT
Questions are submitted online No
Closing Date 07/20/2023 03:30 PM CDT

Prebid Conference 07/11/2023 10:30 AM CDT

Contact Information

Tim Keovongsak
 630-232-5929
 keovongsaktimothy@co.kane.il.us

Description

The County of Kane is accepting competitive sealed bids from qualified and experienced General Contractor(s) for the Kane County Sheriff's Office Administration wing improvement and renovation project in accordance with the architectural outline specifications, plans, drawings, and requirements.

The Project consists of the construction of selective demolition, masonry work, steel lintels, doors and glazing, drywall, painting, flooring, ceilings, electrical, plumbing, HVAC, fire suppression, and specialties equipment. This is a prevailing wage project.

Bonding Requirements

- Bid Bond 5.00 %
- Performance Bond 100.00 %
- Labor and Materials Bond 100.00 %
- Payment Bond 100.00 %

Pre-Bidding Events

Event Type Prebid Conference
Attendance Recommended
Event date 07/11/2023 10:30 AM CDT
Location Kane County Sheriff's Office - 37W755 IL. Route 38. St. Charles, IL 60175
Event Note Lobby Entrance

Bid Submission Process

Bid Submission Type Electronic or Physical Bid Submission
Pricing In attached document
Pricing In attached document
Bid Documents List

Categories

Selected Categories

NIGP Categories (5)	
909	BUILDING CONSTRUCTION SERVICES, NEW (INCL. MAINTENANCE AND REPAIR SERVICES)
90924	Building Construction, Commercial and Institutional Building Construction, Commercial and Institutional
90900	BUILDING CONSTRUCTION SERVICES, NEW (INCL. MAINTENANCE AND REPAIR SERVICES)
90922	Building Construction, Non-Residential (Office Bldg., etc.) Building Construction, Non-Residential (Office Bldg., etc.)
90921	Building Construction, Industrial (Warehouse, etc.) Building Construction, Industrial (Warehouse, etc.)
906	ARCHITECTURAL SERVICES, PROFESSIONAL
90638	General Construction - Architectural General Construction - Architectural

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Document Request List

Plan Holders List

Organization Name	Main Contact	Download Date	City	Province/State
Main Architecture	Jean Pluta	07/14/2023 01:53 PM CDT	Chicago	Illinois
Intelligent Conservation Systems, Inc.	Michael Campbell	07/14/2023 01:02 PM CDT	Oviedo	Florida
CCC Holdings, Inc.	Tina Royse	07/12/2023 11:01 AM CDT	Tinley Park	Illinois
Kluber Architects + Engineers	Kelsey Skager	07/11/2023 12:45 PM CDT	Aurora	Illinois
kane county	Michele Matuszak	07/10/2023 08:39 PM CDT	Geneva	Illinois
Doherty Construction, INC.	Cory Entzminger	07/10/2023 03:11 PM CDT	Woodstock	Illinois
Benton Plumbing	Thomas Benton	07/10/2023 01:24 PM CDT	Atlanta	Georgia
Government Services Exchange	Alec Saputo	07/03/2023 08:26 AM CDT	Clearwater	Florida
Metalmaster Roofmaster	Estimating Department	06/29/2023 05:29 PM CDT	McHenry	Illinois
Chicagoland	Bo Kim	06/29/2023 01:04 PM CDT	Peoria	Illinois
Kandu Construction Inc.	Jacob Kandu	06/29/2023 10:16 AM CDT	Skokie	Illinois
Securitas Technology	Mickey Wydick	06/29/2023 09:22 AM CDT	Fishers	Indiana
Drill Tech Drilling & Shoring Inc	Chyenne Creson	06/28/2023 10:47 AM CDT	Antioch	California
Jojalis Corporation	Charlie Rosenstein	06/27/2023 02:41 PM CDT	Plainview	New York
DataBid	Kristan Nalley	06/26/2023 07:15 PM CDT	Newtown	Pennsylvania
RoMAAS, Inc.	Alexandru Mihailescu	06/26/2023 06:19 PM CDT	Glen Ellyn	Illinois
Axent Solutions	Jon Wahler	06/26/2023 12:09 PM CDT	Lisle	Illinois
G. Fisher Commercial Construction	Heather Bownes	06/26/2023 11:10 AM CDT	Montgomery	Illinois
Commercial Mechanical Inc	Rachel Baker	06/26/2023 10:37 AM CDT	Dunlap	Illinois
Straub Builders Inc dba Hargrave Builders Inc	Mary Comiskey	06/26/2023 09:32 AM CDT	South Elgin	Illinois
School Wholesale Supplies LLC	JP DAS	06/26/2023 04:49 AM CDT	Nashville	Tennessee
MRRW Construction	Michael Russ	06/23/2023 02:22 PM CDT	Montgomery	Illinois
Leopardo Companies	Colm Hughes	06/23/2023 09:05 AM CDT	Hoffman Estates	Illinois
Ostrander Construction, Inc.	Connor Ostrander	06/23/2023 06:28 AM CDT	Downers Grove	Illinois
Construction Journal	Construction Journal	06/23/2023 12:06 AM CDT	Stuart	Florida
ePlan	ePlan Reporter	06/22/2023 03:04 PM CDT	Columbia	Missouri
R.L. Sohol General Contractor, Inc.	Dan Matzen	06/22/2023 12:51 PM CDT	Plainfield	Illinois
Allied Solutions	Jason Collier	06/22/2023 11:23 AM CDT	Carmel	Indiana
Lite Construction Inc.	John Campbell	06/22/2023 10:28 AM CDT	Montgomery	Illinois
Reed Construction	Raymond Lefebvre	06/22/2023 10:21 AM CDT	Chicago	Illinois
Manusos General Contracting, Inc.	Estimating Department	06/22/2023 10:01 AM CDT	Fox Lake	Illinois

Organization Name	Main Contact	Download Date	City	Province/State
North America Procurement Council, Inc. PBC	Tim Loncarich	06/22/2023 10:01 AM CDT	Grand Junction	Colorado
John Keno & Construction Inc	Riley Barron	06/22/2023 09:14 AM CDT	Chicago	Illinois
Industria, Inc	Neil Francis	06/22/2023 09:05 AM CDT	Des Plaines	Illinois



Thank you for your interest in our bid opportunities and we welcome you to submit a response. Please be sure to review and comply with all specifications and requirements.

June 12, 2023

Edward Catich
Kane County Sheriff's Office
37W755 IL- 38
Suite A
St. Charles, IL 60175

Re: Kane County Sheriff – Office Renovation – Construction Administration Services
Kluber, Inc. Proposal No. 230612.01

Dear Mr. Catich:

Thank you for the opportunity to present this Proposal for Professional Services for the above referenced Project. It is our understanding that Kane County Sheriff desires to hire Kluber to perform Bidding/Negotiation and Construction Administration Phase Basic Services for the Sheriff's office renovation project.

OVERVIEW OF PROJECT SCOPE

The Project consists of the management of the Basic Service phases of the Bidding/Negotiations and the Construction Administration phases of the Project which Kluber has completed and prepared the Construction Documents for the interior modifications.

INITIAL INFORMATION

- The anticipated Project schedule is to be determined as mutually agreed, but it is Kluber's understanding that the total duration of the Bidding/Negotiation and Construction phase of the project will take approximately 7 months.
- The intended Project delivery method is a single contract for General Construction; single bid package.
- The Owner's representative for the Project will be Edward Catich.
- Kluber, Inc.'s representative for the Project will be Charli Johnsos.

The foregoing is based on our conversations with you over the past few weeks and the recently completed Construction Documents prepared by our office dated 05/05/2023.

BASIC SERVICES

Kluber, Inc. proposes to provide usual and customary architectural and engineering Basic Services for the Project as set forth in the standardized *AIA B101 - 2017 Standard Form of Agreement between Owner and Architect*, and in accordance with the general understandings applicable to our relationship with you, with limitations as follows:

Bidding Phase: (Assumption is 2 month duration)

- Assist Owner in contacting potential bidders for Project.
- Prepare agenda and attend pre-bid meeting.
- Respond to contractor questions during bidding.
- Issue addenda (if required).
- Attend bid opening.
- Perform contractor bid review evaluations.
- Prepare and issue contractor bid results letter.

Construction Administration Phase: (Assumption is 5 month duration)

- Prepare agenda and attend pre-construction meeting.
- Respond to Contractor questions.
- Review progress pay requests if requested.
- Perform a maximum of two (2) site visits per month for progress meetings, to address contractor questions and to observe the work is proceeding in general conformance with the contract documents with a maximum of 10 visits.
- Perform up to two (2) reviews of each construction submittal.
- Perform one (1) site visit to confirm Substantial Completion and identify punch list items.
- Perform one (1) site visit to verify completion of punch list items and confirm Final Completion of the Work.

ADDITIONAL SERVICES

Additional Services are not included in the Basic Services described above, but may be required for the Project or specifically requested by Kane County Sheriff.

COMPENSATION

Kluber, Inc. proposes to provide the Basic Services described above for a lump sum fee of \$19,950.00.

Kluber, Inc. proposes to provide the Additional Services described above for the fees scheduled below.

Compensation for Basic and Additional Services does not include the services of other independent professionals, associates, or other consultants. If they are required, our fee will be increased by the direct costs of those services multiplied by a factor of 1.15 for overhead, coordination and management of the delivery of those services.

Our billing for Services will be based on progress of the work performed and is outlined as follows:

Basic Services:

Bidding/Negotiation Phase	\$2,450.00
Construction Administration Phase	<u>\$17,500.00</u>
Total Basic Services Fee:.....	\$19,950.00

Additional Services:

As requested	At Hourly Rates listed below
Each Additional Site Visit.....	\$550.00 per visit

Reimbursable Expenses incurred in connection with our services will be charged on the basis of cost, without additional markup. Anticipated reimbursable expenses for this project include expedited courier services, printing and plotting, document reproduction, premiums for professional liability insurance in excess of usual and customary coverage and models, renderings or professional photography, and are anticipated not to exceed \$250.00.



Changes in services, when authorized, will be charged on an hourly rate as scheduled hereafter and amended annually in accordance with our hourly rate schedule (2023):

Kluber Architects + Engineers Staff	Hourly Rate
Principal.....	\$225.00
Project Manager.....	\$175.00
Project Mechanical Engineer III.....	\$165.00
Project Mechanical Engineer II.....	\$140.00
Project Mechanical Engineer I.....	\$115.00
Project Electrical Engineer III.....	\$165.00
Project Electrical Engineer II.....	\$140.00
Project Electrical Engineer I.....	\$115.00
Project Structural Engineer III.....	\$165.00
Project Structural Engineer II.....	\$140.00
Project Structural Engineer I.....	\$115.00
Project Technologist.....	\$165.00
Project Architect III.....	\$135.00
Project Architect II.....	\$115.00
Project Architect I.....	\$95.00
Interior Designer III.....	\$115.00
Interior Designer II.....	\$95.00
Interior Designer I.....	\$75.00
Construction Observer.....	\$95.00
Senior Project Coordinator.....	\$75.00
Project Coordinator.....	\$55.00
Mark-up for hourly Projects (indirect costs, OH & P).....	20.0%

Limitation of Liability: Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, the total liability, in the aggregate, of Kluber, Inc.'s officers, directors, partners, employees, agents, and Kluber's Consultants, and any of them to Owner/Client and anyone claiming by, through, or under Owner/Client for any and all claims, losses, costs, or damages whatsoever arising out of, resulting from, or in any way related to the Project or the Subagreement from any cause or causes, including but not limited to the negligence, professional errors or omissions, strict liability or breach of contract, or warranty express or implied of Kluber's officers, directors, partners, employees, agents, or Kluber's Consultants, or any of them shall not exceed the total amount of two times fee, excluding reimbursable expenses. The services provided herein are governed solely with regards to permanent building codes only, compliance with OSHA regulations is specifically excluded.

TIMING

All services contemplated within this proposal shall be completed within 7 months after the acceptance date. Services performed after closure of that window will be billed hourly in accordance with the rates set forth above. This proposal is valid for a period of up to 45 days from the date noted on this proposal.



FINAL NOTE

If this proposal satisfactorily sets forth your understanding of our agreement, we would appreciate your authorization to proceed with this Work. We are available to discuss any aspect of this proposal with you at your convenience.

Kluber, Inc. appreciates the interest expressed in our firm and we look forward to serving your needs in the future.

Sincerely,



Michael T. Kluber, P.E.
President
Kluber, Inc.

Accepted (Signature) Date

By (printed name and title)

Confidentiality Notice: The contents of this proposal are confidential and may not be distributed to persons other than Kane County Sheriff.



BID BOND:

All bids must be accompanied by a Bank Cashier's Check, Bank Draft, Certified Check, or Bid Bond for not less than Five Thousand Dollars (\$5,000.00), or 5% of the total base bid.

Accompanying this Bid is a Bank Cashier's Check, Bank Draft, Certified Check, or Bid Bond, complying with the requirements of the specifications, made payable to the KANE COUNTY.

The amount of the check, draft or bond is five percent of total base bid (\$ 5% (of total bid)).

Attach Bank Draft, Bank Cashier's Check, Certified Check or Bid Bond Here.

In the event that one check, draft or bond is intended to cover two or more bids, the amount must be equal to the sum of the bid guarantees of the individual sections covered.

SURETY: I have notified a Surety Company that I am submitting a bid for work to be performed on the project. The Surety Company has agreed to issue a performance and labor and material payment bond for my work, if my bid is accepted and the contract awarded to me.

NO-BID/RFP/RFQ RESPONSE

BID 23-037

KC- Sheriff's New Administration Wing Renovation

In the event that your organization chooses not to submit a response to this solicitation, the Kane County Purchasing Department is interested in the reasons why vendors/consultants have chosen not to submit a bid or proposal response in order to better serve the taxpayers of Kane County. Please indicate your reason(s) by checking all applicable items below and return this form to the address shown below.

- Could not meet the specifications.
- Items or materials requested not manufactured by us or not available to our company.
- Insurance requirements too restricting.
- Bond requirements too restricting.
- Scope of services not clearly understood or applicable (too vague, too rigid, etc.).
- Project not suited to our organization.
- Quantities too small.
- Insufficient time allowed for preparation of bid/proposal response.
- Other (please specify):

We are Bidding this project

Vendor Name: Lite Construction, Inc

Contact Person: James E Campbell

Telephone: 630/896/7220

Email: timc@liteconstruction.com

Please send your response to: purchasing@co.kane.il.us

KANE COUNTY
OFFER TO CONTRACT FORM
BID 23-037
Kane County Sheriff – New Administration Wing Renovation

Bid Due Date & Time: Thursday, July 20, 2023 at 3:30 p.m. CST

Bid response must submit electronically to <https://www.bidnetdirect.com/illinois/kanecounty>

To: County of Kane Purchasing Department
Kane County Government Center
Bldg. A, Room 214 719 S. Batavia Ave., Geneva, IL 60134

The following offer is hereby made to the County of Kane, Illinois, hereafter called the Owner.

Submitted By: Lite Construction, Inc

I. The undersigned Vendor proposes and agrees, after having examined the specifications, quantities, and other contract documents, to irrevocably offer to furnish the materials, equipment, and services in compliance with all terms, conditions, specifications, and amendments contained in the bid solicitation documents. The items in this Invitation to Bid, including, but not limited to, all required certificates, are fully incorporated herein as a material and necessary part of the contract.

A. *The Vendor shall also include with his bid any necessary literature, samples, etc., as required within the Invitation to Bid, Instructions to Bidders, and specifications.*

1. *the Vendor has examined the Contractor Disclosure (Section 28) of the Instruction to Bidders and has included or provided a certified document listing all cumulative campaign contributions made within the past twelve months, to any current or county-wide elected officer, and ownership interest in entity greater than five percent.*

B. For purposes of this offer, the terms Offeror, Bidder, General Contractor, Contractor, and Vendor are used interchangeably.

II. In submitting this Offer, the Vendor acknowledges:

A. All bid documents have been examined: Instructions to Bidder, Statement of Work, including the Specifications, and the following addenda:

No. ¹_____, No._____, No._____, No._____, No._____, (Contractor to acknowledge addenda here.)

B. The site(s) and locality have been examined by the Vendor where the service is to be performed, the legal requirements (federal, state, and local laws, ordinances, rules, and regulations), and the conditions affecting the cost, progress, or performance of the work and has made such independent investigations, as Vendor deems necessary.

C. To be prepared to execute a contract with the Owner within ten (10) calendar days after acceptance of the bid by the Owner.

III. BASE BIDS: Project #23-471-1466

The Undersigned agrees to furnish all labor, materials, and equipment necessary for the completion of the Administration Wing Renovation Project in accordance with the architectural outline specifications, drawings, and contract requirements for the Kane County Sheriff's Office. Prevailing wage rates apply to this project.

TOTAL COMPLETE PROJECT COST OF \$ 649,674.⁰⁰

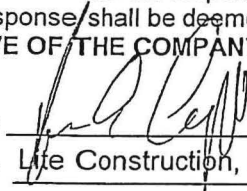
Six hundred forty nine thousand six hundred & seventy four dollars

PROJECT TIMEFRAME & GUARANTEE:

The Undersigned attests that he is able to perform the Work of the Contract within the parameters of the following construction timeframe, and further agrees to adhere to that schedule as a provision of the Contract Agreement.

Guaranteed delivery and completion of the project per specifications will be (180) calendar days or earlier from the receipt of the Purchase Order from the Kane County Sheriff's Office. Bidder shall fill in the above number of days to deliver and complete the project. (The Overall Project Completion Deadline must be December 31, 2023). Unless otherwise negotiated with the Kane County Sheriff's Office or the designated project manager.

By signing this Bid, the Offeror hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended. The awarding of any contract resulting from this Bid will be based upon the funding available to Kane County, which may award all or part of this project. The terms of the Bid and the response shall be incorporated by this reference as though fully set forth into the Contract notwithstanding any language in the contract to the contrary. In the event of any conflict between the terms of the Contract and the terms of the Bid and the response, the terms of the Bid and the response shall govern. Every element or item of the Bid and the response shall be deemed a material and a severable item or element of the contract. **AN AUTHORIZED REPRESENTATIVE OF THE COMPANY OR ENTITY RESPONDING TO THE BID AND THE RESPONSE SHALL SIGN THIS SECTION.**

Signature  Typed Signature James E Campbell
Company Lite Construction, Inc
Address/City/State 711 S. Lake St. Montgomery IL 60538
Phone # 630/896/7220 Fax # 630/896/1304
Federal I.D./Social Security # 36-3118974 Date 7/20/23

ACCEPTANCE

The Offer is hereby accepted for **KANE COUNTY SHERIFF – NEW ADMINISTRATION WING RENOVATION**

The Vendor is bound to provide the services and materials listed by the attached contract and based upon the Invitation to Bid, including all terms, conditions, specifications, and amendments, and the Vendor's offer is accepted by the County of Kane.

This contract shall henceforth be referred to as Contract Number 23-037. The Vendor has been cautioned not to commence any billable work or to provide any supplies or services until said vendor receives a purchase order and or notice to proceed.

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Date

VENDOR CERTIFICATION

This information is collected for reporting purposes only and will not have any influence on vendor selection. It is required by the State of Illinois. Please check any of the following boxes that apply to the ownership of your firm.

- | | |
|--|--|
| <input type="checkbox"/> Minority-owned Business (MBE) | <input type="checkbox"/> Veteran-owned Business Enterprise (VBE) |
| <input type="checkbox"/> Woman-owned Business (WBE) | <input type="checkbox"/> Service-Disabled Veteran-owned Business Enterprise (SDVBE) |
| <input type="checkbox"/> Business Enterprise Program (BEP) | <input type="checkbox"/> Veteran-owned Small Business (VOSB) |
| <input type="checkbox"/> Small Disadvantaged Business (SDB) | <input type="checkbox"/> Persons with Disabilities-owned Business Enterprises (PDBE) |
| <input checked="" type="checkbox"/> Kane County Local Business | <input type="checkbox"/> N/A – These categories do not apply to my business |

Please Note: It is required that you check at least one box.

REFERENCES
SHERIFF'S NEW ADMINISTRATION WING RENOVATION
For
KANE COUNTY BOARD, Geneva, Illinois

List below businesses or other organizations for which you have provided comparable services within the last three years:

Offeror's Name: Lite Construction, Inc

1. Organization: See Attached AIA A305
Address: _____
City, State, Zip Code: _____
Telephone Number: _____
Contact Person: _____
Date of Project: _____
E-mail Address: _____
2. Organization: _____
Address: _____
City, State, Zip Code: _____
Telephone Number: _____
Contact Person: _____
Date of Project: _____
E-Mail Address: _____
3. Organization: _____
Address: _____
City, State, Zip Code: _____
Telephone Number: _____
Contact Person: _____
Date of Project: _____
E-Mail Address: _____
4. Organization: _____
Address: _____
City, State, Zip Code: _____
Telephone Number: _____
Contact Person: _____
Date of Project: _____
E-Mail Address: _____

REQUIRED CONTACT INFORMATION

The vendor shall provide the following contact information.

Customer Service/General Information: Ph: 630/896/7220

To place an order: Name: Tim Campbell

Ph: 630-896-7220 Fax: 630/896/1304

E-mail: timc@liteconstruction.com

Billing & Invoicing question:

Name: Tim Campbell

Ph: 630-896-7220

E-mail: timc@liteconstruction.com

Operation: **Supervisor**

Name: Tim Campbell

Ph: 630-896-7220

E-mail: timc@liteconstruction.com

24-hours answering service:

Ph: 630-896-7220

BID SUBMITTAL CHECK LIST

The undersigned Vendor acknowledged and verified that all required documents, statements, and all certificates meeting County's requirements are included in their bid response. The vendor shall check the following required submittal items checklist to assure the completeness and in order for assembling of their bid response.

X : SIGNED BID OFFER TO CONTRACT FORM with all supporting documents (pages 24-27).

X : VENDORS DISCLOSURE STATEMENT (See attached sample, a mandatory submittal if award of the contract)

X : VENDORS FAMILIAL RELATIONSHIP DISCLOSURE STATEMENT (See attached sample, a mandatory submittal if award of the contract)

X : PROOF OF CURRENT CERTIFICATE OF INSURANCE (Submit current coverages with bid response). The actual certificate of insurance that meets the County's requirements including naming the County of Kane, as a certificate holder and additional name insured with required policy endorsements shall be submitted before issuing of award and contract execution. (See attached sample, a mandatory submittal if award of the contract)

X : REFERENCES & CONTACT INFORMATION

X : ONE (1) ORIGINAL BID, MUST BE SUBMITTED ELECTRONICALLY THROUGH BIDNET DIRECT.

X : Bid Bond (5%) required with bid submittal. The awarded Vendor must furnish a Performance Bond if awarding the contract.

Vendor/Agency: Lite Construction, Inc

Address/City/State: 711 S. Lake St. Montgomery IL 60538

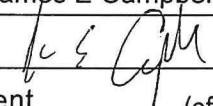
Phone # 630/896/7220 Fax # 630/896/1304

**SECTION 01 61 16.01
ACCESSORY MATERIAL VOC CONTENT CERTIFICATION FORM**

1.01 PRODUCT CERTIFICATION

- A. I certify that the installation work of my firm on this project:
1. [HAS] [HAS NOT] required the use of any ADHESIVES.
 2. [HAS] [HAS NOT] required the use of any JOINT SEALANTS.
 3. [HAS] [HAS NOT] required the use of any PAINTS OR COATINGS.
 4. [HAS] [HAS NOT] required the use of any COMPOSITE WOOD or AGRIFIBER PRODUCTS.
- B. Product data and MSDS sheets are attached.

2.01 CERTIFIED BY: (INSTALLER/MANUFACTURER/SUPPLIER FIRM)

- A. Firm Name: Lite Construction, Inc
- B. Print Name: James E Campbell
- C. Signature: 
- D. Title: President (officer of company)
- E. Date: 7/20/23

END OF SECTION

**SECTION 00 43 23
BID FORM SUPPLEMENT - LIST OF ALTERNATES**

1.01 PARTICULARS

A. The following is the list of Alternates referenced in the bid submitted by:

(Bidder) Lite Construction, Inc

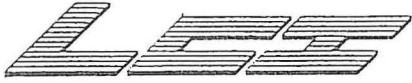
Dated 7/20/23 and which is an integral part of the Bid Form.

1.02 ALTERNATES LIST

A. The following amounts shall be added to or deducted from the Bid Amount. Refer to Section 01 23 00 - Alternates: Schedule of Alternates.

1. Alternate # 1: (Add) (Deduct) \$ 0.00

END OF DOCUMENT



LITE CONSTRUCTION, INC.
 711 S. Lake St. • P.O. Box 135
 Montgomery, IL 60538

Phone (630) 896-7220
 FAX (630) 896-1304

Contractor Disclosure

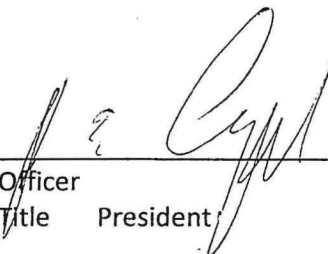
As of 7/20/2023, Lite Construction, Inc. to the best of our knowledge the Owners, Officers or Executives have not made any political campaign contributions to any Kane County Elected Official Countywide in the last 12-month period.

Below is a list of shareholders or owners, with at least 5% holding in Lite Construction, Inc.

James E Campbell 49.92%
 701 E. Abe St.
 Plano IL 60545

Tim Campbell 26.04%
 330 Old Mill Rd.
 Plano IL 60545

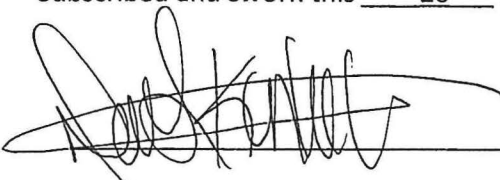
Tammi Campbell 24.04%
 330 Old Mill Rd.
 Plano IL 60545



 Officer
 Title President

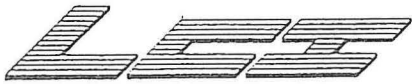
7/20/2023
 Date

Subscribed and sworn this 20 day of July, 2023.



 Notary Public





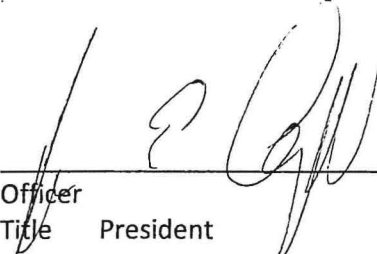
LITE CONSTRUCTION, INC.
 711 S. Lake St. • P.O. Box 135
 Montgomery, IL 60538

Phone (630) 896-7220
 FAX (630) 896-1304

FAMILIAL RELATIONSHIP DISCLOSURE

As of 7/20/2023, Lite Construction, Inc. to the best of our knowledge the Owners, Officers or Executives do not have a familial relationship with any County Elected Official or County Department Director within the last 12-month period. "Familial Relationship" is defined in the public Act 101-0544.

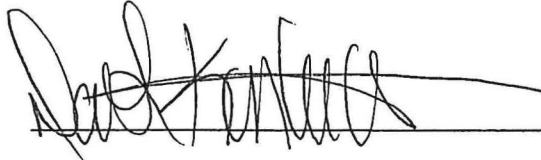
The County may deny, suspend, or terminate the eligibility of a person, firm, corporation, association, agency, institution, or other legal entity to participate as a vendor for goods or services to the County, if the vendor, for contracts greater that \$30,000.00, fails to disclose to the County a familial relationship between a County Elected Official or County Department Director.



 Officer
 Title President

7/20/2023
 Date

Subscribed and sworn this 20 day of July, 2023.



 Notary Public





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
7/20/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER GREG S LEBEAU (03379) 1921 W WILSON ST BATAVIA, IL 60510-0000	CONTACT NAME: GREG S LEBEAU
	PHONE (A/C, No, Ext): 630-406-6900 FAX (A/C, No): 630-406-6994 E-MAIL ADDRESS: GREG.LEBEAU@COUNTRYFINANCIAL.COM
INSURED 2888275 LITE CONSTRUCTION INC 711 S LAKE ST PO BOX 135 MONTGOMERY, IL 60538	INSURER(S) AFFORDING COVERAGE NAIC # INSURER A : COUNTRY Mutual Insurance Company 20990
	INSURER B :
	INSURER C :
	INSURER D :
	INSURER E :
	INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

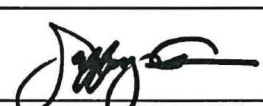
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	<input checked="" type="checkbox"/>		AB2157170	7/1/2023	7/1/2024	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	<input checked="" type="checkbox"/>		AB2157170	7/1/2023	7/1/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	<input checked="" type="checkbox"/>		AU2157170	7/1/2023	7/1/2024	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N N/A <input checked="" type="checkbox"/> <input type="checkbox"/>			AW2157170	7/1/2023	7/1/2024	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

JOB NAME:
KANE COUNTY SHERIFF'S OFFICE RENOVATION PROJECT

REMARKS:
(CONTINUED)

CERTIFICATE HOLDER KANE COUNTY SHERIFF'S OFFICE 37W755 IL-38 SUITE A ST CHARLES, IL 60175	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

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 **AIA** Document A310™ – 2010

Bid Bond

CONTRACTOR:
(Name, legal status and address)

Lite Construction, Inc.
711 S. Lake Street
Montgomery, IL 60538

SURETY:
(Name, legal status and principal place of business)

Travelers Casualty and Surety Company of America
One Tower Square
Hartford, CT 06183

OWNER:
(Name, legal status and address)

County Of Kane
719 S Batavia Ave, Bldg A
Geneva, IL 60134

BOND AMOUNT: Five Percent of Accompanying Bid

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

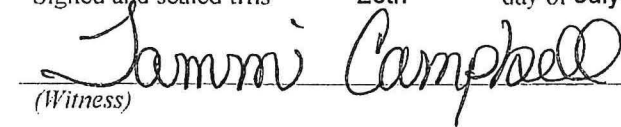
PROJECT:
(Name, location or address, and Project number, if any)
23-037 Kane County Sheriff's Office Renovation Project

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

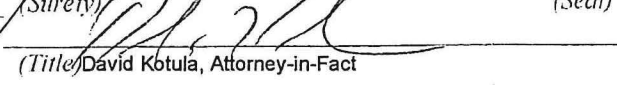
Signed and sealed this 20th day of July, 2023

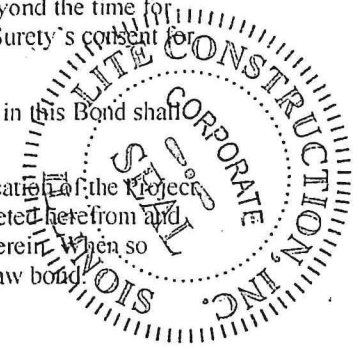

(Witness)

Lite Construction, Inc.
(Principal) (Seal)


(Title) James E. Campbell - President
Travelers Casualty and Surety Company of America
(Surety) (Seal)


(Witness)


(Title) David Kotula, Attorney-in-Fact



CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.

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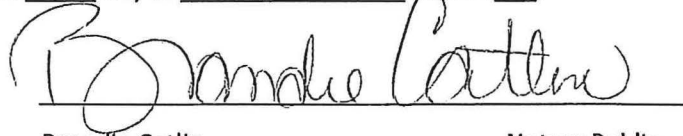
ss.

STATE OF IL

COUNTY OF WILL

I, Brandie Catlin, Notary Public of Will County, in the State of Illinois, do hereby certify that David Kotula Attorney-in-fact, of the Travelers Casualty and Surety Company of America, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person, and acknowledged that he signed, sealed and delivered said instrument, for and on behalf of the Travelers Casualty and Surety Company of America, for the uses and purposes therein set forth.

Given under my hand and notarial seal at my office in the City of Lockport in said County, this 20th day of July A.D. 2023.



Brandie Catlin

Notary Public

(Faint notary seal text)
 BRANDIE CATLIN
 Notary Public
 State of Illinois



Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

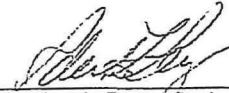
KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **DAVID KOTULA** of **GENEVA**, Illinois, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 21st day of April, 2021.



State of Connecticut

City of Hartford ss.

By: 
 Robert L. Raney, Senior Vice President

On this the 21st day of April, 2021, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2026




 Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

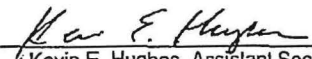
FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 20th day of July, 2023




 Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

AIA[®] Document A305[™] – 1986

Contractor's Qualification Statement

The undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

SUBMITTED TO: Klüber Architects
719 S. Batavia Ave. Bldg. A
ADDRESS: Geneva IL 60134

SUBMITTED BY: James E Campbell

NAME: Lite Construction Inc.
ADDRESS: 711 S. Lake St. Montgomery IL 60538

PRINCIPAL OFFICE

- Corporation
 Partnership
 Individual
 Joint Venture
 Other

NAME OF PROJECT (if applicable): - Kane County Sheriffs Office Reno.

TYPE OF WORK (file separate form for each Classification of Work):

- General Construction
 HVAC
 Electrical
 Plumbing
 Other (please specify)

§ 1. ORGANIZATION

§ 1.1 How many years has your organization been in business as a Contractor? 42yrs

§ 1.2 How many years has your organization been in business under its present business name? 42yrs

§ 1.2.1 Under what other or former names has your organization operated? none

§ 1.3 If your organization is a corporation, answer the following:

§ 1.3.1 Date of incorporation: 1980

§ 1.3.2 State of incorporation: Illinois

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User Notes:

(2632444087)

ADDITIONS AND DELETIONS:

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

This form is approved and recommended by the American Institute of Architects (AIA) and the Associated General Contractors of America (AGC) for use in evaluating the qualifications of contractors. No endorsement of the submitting party or verification of the information is made by AIA or AGC.

§ 1.3.3 President's name: James E Campbell
§ 1.3.4 Vice-president's name(s):
Tim Campbell

§ 1.3.5 Secretary's name: Tammi Campbell
§ 1.3.6 Treasurer's name: Tammi Campbell

§ 1.4 If your organization is a partnership, answer the following:

§ 1.4.1 Date of organization:
§ 1.4.2 Type of partnership (if applicable):
§ 1.4.3 Name(s) of general partner(s):

§ 1.5 If your organization is individually owned, answer the following:

§ 1.5.1 Date of organization:
§ 1.5.2 Name of owner:

§ 1.6 If the form of your organization is other than those listed above, describe it and name the principals:

§ 2. LICENSING

§ 2.1 List jurisdictions and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable.

Fox Valley General Contractors Association

§ 2.2 List jurisdictions in which your organization's partnership or trade name is filed.

N/A

§ 3. EXPERIENCE

§ 3.1 List the categories of work that your organization normally performs with its own forces.

Concrete, Carpentry, Bricklayer

§ 3.2 Claims and Suits (If the answer to any of the questions below is yes, please attach details.)

§ 3.2.1 Has your organization ever failed to complete any work awarded to it?

NO

§ 3.2.2 Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or its officers?

NO

§ 3.2.3 Has your organization filed any law suits or requested arbitration with regard to construction contracts within the last five years?

NO

§ 3.3 Within the last five years, has any officer or principal of your organization ever been an officer or principal of another organization when it failed to complete a construction contract? (If the answer is yes, please attach details.)

NO

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§ 3.4 On a separate sheet, list major construction projects your organization has in progress, giving the name of project, owner, architect, contract amount, percent complete and scheduled completion date.

See Attached

§ 3.4.1 State total worth of work in progress and under contract:

4 Million

§ 3.5 On a separate sheet, list the major projects your organization has completed in the past five years, giving the name of project, owner, architect, contract amount, date of completion and percentage of the cost of the work performed with your own forces.

See Attached

§ 3.5.1 State average annual amount of construction work performed during the past five years:

9 Million

§ 3.6 On a separate sheet, list the construction experience and present commitments of the key individuals of your organization.

See Attached

§ 4. REFERENCES

§ 4.1 Trade References:

See Attached

§ 4.2 Bank References:

Harris Bank - Diana Berndt - P 630-420-3571

Old Second - Will Garzia - P 630-906-5502

§ 4.3 Surety:

§ 4.3.1 Name of bonding company:

Travelers Casualty & Surety Company of America

215 Shuman Blvd Naperville IL 60563

§ 4.3.2 Name and address of agent:

Kotula Group

225 N Green St. Chicago IL 60607

§ 5. FINANCING

§ 5.1 Financial Statement.

§ 5.1.1 Attach a financial statement, preferably audited, including your organization's latest balance sheet and income statement showing the following items: See Attached

Current Assets (e.g., cash, joint venture accounts, accounts receivable, notes receivable, accrued income, deposits, materials inventory and prepaid expenses);

Net Fixed Assets;

Other Assets;

Current Liabilities (e.g., accounts payable, notes payable, accrued expenses, provision for income taxes, advances, accrued salaries and accrued payroll taxes);

Other Liabilities (e.g., capital, capital stock, authorized and outstanding shares par values, earned surplus and retained earnings).

§ 5.1.2 Name and address of firm preparing attached financial statement, and date thereof:

Weber & Associates 630-897-4500

314 N Lake St Aurora IL 60506

§ 5.1.3 Is the attached financial statement for the identical organization named on page one?

YES

§ 5.1.4 If not, explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsidiary).

§ 5.2 Will the organization whose financial statement is attached act as guarantor of the contract for construction?

§ 6. SIGNATURE

§ 6.1 Dated at this 20th day of July 2023

Name of Organization:

Lite Construction, Inc.

By:

Title:

President

§ 6.2

I, being duly sworn, deposes and says that the information provided herein is true and sufficiently complete so as not to be misleading.

Subscribed and sworn before me this 20th day of July 2023

Notary Public

My Commission Expires: 7/11/26



ILLINOIS DEPARTMENT OF
 Human Rights

JB Pritzker, Governor
James L. Bennett, Director

IDHR #: 95652-00
Date Eligible: 02/04/2020
Expires on: 02/04/2025

TIM CAMPBELL
VICE PRESIDENT
LITE CONSTRUCTION INC
711 S. LAKE ST.
MONTGOMERY, IL 60538

CONFIRMATION OF EXISTING/RENEWAL REGISTRATION

The Illinois Department of Human Rights, Public Contracts Unit, acknowledges receipt of an Employer Report form (PC-1) filed by your organization.

Review of our records indicates that your organization previously registered with the Department of Human Rights and has been assigned the IDHR Number appearing above. This registration remains in effect until the expiration date appearing above. It is not necessary to submit a new form each time you bid on a state contract.

DO NOT LOSE THIS NOTICE. KEEP IT WITH OTHER IMPORTANT ORGANIZATIONAL DOCUMENTS. Also, please keep the following in mind:

1. The IDHR Bidder Eligibility Number is valid for all bids submitted to any agency of the State of Illinois or other contracting agency that has adopted our registration requirement.
2. An eligible bidder's registration remains in effect until the expiration date unless it is revoked by the Department upon finding that the eligible bidder has committed a civil rights violation.
3. An eligible bidder may relinquish its eligibility by notifying the Department in writing at the above address.
4. The Department must be notified in writing of any change to the eligible bidder's name, address, telephone number, or form of organization. Such changes may render the bidder's registration invalid and may require the filing of a new Employer Report Form with the Department. The Number is not transferable and becomes invalid upon dissolution of the business.

Should you have any questions concerning this notice, please contact the Public Contracts Unit at the above address or telephone at 312-814-2431.

IDHR PCU (01-2010)

100 West Randolph Street, Suite 10-100, Chicago, IL 60601, (312) 814-6200, TTY (866) 740-3953, Housing Line (800) 652-3942
535 West Jefferson Street, 1st Floor, Springfield, IL 62702, (217) 785-5100
2309 West Main Street, Marion, IL 62959 (618) 993-7463
www.state.il.us/dhr

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Job Reference List

Name	DeKalb HVAC Renovations
Year Construction	11/2021-8/2022
Cost	2,894,736.00
Owner	DeKalb CUSD 428
Location	901 S. 4th St. DeKalb IL 60115
Owner's Contact	Tammy Carson - 815-754-2350
Architect	Richard L Johnson-Scott -815-398-1231
Name	Northwest Elementary School
Year Construction	1/2022 - 8/2022
Cost	2,050,504.00
Owner	LaSalle Board of Education District #122
Location	1735 Malcom Ave. LaSalle IL 61301
Owner's Contact	Brian DeBernardi - 815-223-0786
Architect	BCA Architects - Matt Lamps 815-434-0108
Name	Dimmick School Summer 2021 Reno.
Year Construction	3/2021-8/2021
Cost	\$1,094,569.00
Owner	Dimmick CCSD #175
Location	297 N 33rd Rd. LaSalle IL 61301
Owner's Contact	Ryan Linning - 815-223-2933
Architect	Larson & Darby -Andrew M. 815-484-0739
Name	Kaneland Summer Work 2021
Year Construction	3/2021-8/2021
Cost	\$536,700.00
Owner	Kaneland CUSD #302
Location	47W326 Keslinger Rd. Maple Park IL 60151
Owner's Contact	Mark Payton 630-365-5111
Architect	Wold Arch.-Tim Woolever 847-241-6100
Name	Coal City 2021 Mechanical Improvements
Year Construction	3/2021-8/2021
Cost	\$960,437.00
Owner	Coal City CUSD #1
Location	550 Carbon Hill Rd. Coal City IL 60416
Owner's Contact	Denny Wickiser - 815-634-2287
Architect	Cordogan Clark-Alex L.-630-896-4678
Name	St Charles Compass Academy Improvements
Year Construction	4/2021-8/2021
Cost	\$322,397.00
Owner	St Charles CUSD 303
Location	201 S. 7th St St Charles IL 60174
Owner's Contact	John Baird - 331-228-5197
Architect	Wold Arch. Jessalyn K. 847-241-6100
Name	East Aurora HS Sprinkler Phase 2
Year Construction	2/2021-8/2021
Cost	\$819,713.00
Owner	East Aurora CUSD #131
Location	500 Tomcat Ln. Aurora IL 60505
Owner's Contact	Jessie Vargas 630-299-5550
Architect	Cordogan Clark-Mark S.630-896-4678
Name	West Aurora Servery Renovation
Year Construction	5/2021-8/2021

Cost	\$454,759.00
Owner	West Aurora School District 129
Location	1870 W Galena Blvd. Aurora IL 50605
Owner's Contact	Pat Dacy 630-301-5022
Architect	StudioGC-Cory Boaz-312-253-3400
Name	West Aurora Geothermal
Year Construction	1/2021-8/2021
Cost	\$2,798,000.00
Owner	West Aurora School District 129
Location	1870 W Galena Blvd. Aurora IL 50605
Owner's Contact	Pat Dacy 630-301-5022
Architect	StudioGC-Cory Boaz-312-253-3400
Name	Waubonsee CC Von Ohlen Hall
Year Construction	5/2020-8/2020
Cost	\$3,075,888.00
Owner	Waubonsee Community College
Location	Rt.47 & Waubonsee Dr Sugar Grove IL60554
Owner's Contact	Pete Adams 630-466-2912
Architect	Cordogan Clark Cayce H. 630-896-4678
Name	Lisle Park District - Storage Building
Year Construction	9/2019-7/2020
Cost	\$1,386,392.00
Owner	Lisle Park District
Location	1925 Ohio St Lisle IL 60532
Owner's Contact	Aaron Cerutti - 630-353-4381
Architect	Williams Arch. Andreas S. 630-221-1212
Name	East Aurora Sprinkler Phase 1
Year Construction	4/2020-8/2020
Cost	\$1,128,661.00
Owner	East Aurora CUSD 131
Location	500 Tomcat LN Aurora IL 60505
Owner's Contact	Jessie Vargas 630-299-5550
Architect	Cordogan Clark - Mark S. 630-896-4678
Name	Naperville CHS Varsity Softball Field Renovations
Year Construction	3/2019-3/2020
Cost	1,050,700.00
Owner	Naperville CUSD 203
Location	440 Aurora Ave Naperville IL 60540
Owner's Contact	Pat Dollan 630-420-6300
Architect	Healy Bender - Lucas V. 630-904-4300
Name	Groot Industries
Year Construction	7/2019-12/2019
Cost	688,811.00
Owner	Groot Industries
Location	1565 Aurora Ave Ln. Aurora IL 60505
Owner's Contact	Kiel Pennington - 815-790-3205
Architect	Temple Architects - 630-443-0917
Name	West Aurora Early Childhood Renovation
Year Construction	1/2018-10/2018
Cost	4,337,000.00
Owner	West Aurora School District 129
Location	1870 W Galena Blvd. Aurora IL 50605
Owner's Contact	Pat Dacy 630-301-5022
Architect	Cordogan Clark Architect - Tim Weber 630-896-4678

Tim Campbell
330 Old Mill Rd.
Plano II 60545

Birth date: 7/5/63

Education:
1981-1985 Oliver Nazarene University BA
1978-1981 Plano High School

Employment:
1978-Present Lite Construction, Inc.
Vice President – Project Manager
Ensure project is on Schedule & within budget

Work Experience and Accomplishments:

9/2019-Current Lisle Park District
Cost \$ 1,387,800.00
Addition / Renovations
Type of Construction: Pre-Engineered Building

3/2019-3/2020 Naperville CHS Varsity Softball Field
Cost \$ 1,126,700.00
Addition / Renovation
Type of Construction Masonry, Bar Joist

7/2019-12/2019 Groot Industries
Cost \$ 688,811.00
Renovations / Addition
Type of Construction: Pre-Engineered Building

4/2019-8/2019 Rotolo Middle School
Cost \$ 488,919.00
Renovations
Type of Construction: Masonry, Bar Joist

3/2019-8/2019 St Charles Schools
Cost \$ 1,201,900.00
Renovations
Type of Construction: Masonry, Bar Joist

3/2019-8/2019 Mount St Mary's
Cost \$ 402,952.00
Addition
Type of Construction: Wood Framed

1/2017-12/2019 Fox Metro Water Reclamation
Cost \$ 3,000,000.00
Additions / Renovations
Type of Construction: Masonry, Bar Joist

1/2018-10/2018 West Aurora Early Childhood
Cost \$ 4,337,000.00
Additions/Renovations
Type of Construction: Masonry, Bar Joist

10/2016-9/2018 East Aurora HS & Stadium
Cost \$ 11,020,298.00
Additions / Renovations
Type of Construction: Masonry, Bar Joist

1/2016-12/2016 West Aurora Schools
Cost \$7,875,862.00
Additions / Geo-Installations
Type of Construction: Masonry, Bar Joist

8/2013-11/2014 Sandwich Library
Cost \$ 3,361,890.00
New Building
Type of Construction: Wood Framed

3/2009-6/2010 St Mary's Parish
Cost \$ 2,021,240.00
Additions / Renovations
Type of Construction: Pre-Engineered Building

2015-2015 West Chicago HS
Cost \$ 1,912,900.0
Additions / Renovations
Type of Construction: Masonry, Bar Joist

2013-2015 Yorkville HS
Cost \$ 9,700,800.00
Additions / Renovations
Type of Construction: Masonry, Bar Joist

2012-2013 Oswego HS
Cost \$ 7,530,853.00
Additions / Renovations
Type of Construction: Masonry, Bar Joist

2011-2011 Lockport HS
Cost \$ 2,362,627.00
Additions / Renovations
Type of Construction: Masonry,

Jeff Futrell
1074 Linda Lane
Sandwich IL 60548

Birth date: 5/23/68

Education:
1985-1989 Fox Valley Carpentry Apprenticeship Program
1981-1985 Somonauk Baptist School

Employment:
1991-Present Lite Construction, Inc.
Journeyman Carpenter – Superintendent – Union Member Local #916
Supervise work crews; coordinate subcontractors; blueprint reading;
Coordinate ordering of materials; coordinate work crews; weekly progress
Meeting to ensure project is on schedule and within budget

Work Experience and Accomplishments

7/2019-12/2019 Groot Industries
Cost \$ 688,811.00
Renovations
Type of Construction: Pre- Engineered Building

4/2019-8/2019 Rotolo Middle School
Cost \$ 488,919.00
Renovations
Type of Construction: Masonry, Bar Joist

3/2019-8/2019 Mount St. Mary's
Cost \$ 402,952.00
Addition
Type of Construction: Wood Framed

1/2017-12/2019 Fox Metro Water Reclamation
Cost \$ 2,500,000.00
Renovations / Additions
Type of Construction: Masonry, Bar Joist

8/2013-11/2014 Sandwich Library
Cost \$ 3,361,890.00
New Building
Type of Construction: Wood Framed

3/2009-6/2010 St Mary's Parish
Cost \$ 2,021,240.00
Additions / Renovations
Type of Construction: Pre-Engineered Building

Jason Heeg
2266 Garden Rd
Aurora Il 60506

Birth date: 10/31/70

Employment:
1989-Present Lite Construction, Inc.
Journeyman Carpenter – Superintendent – Union Member Local #916
Supervise work crews; coordinate subcontractors; blueprint reading;
Coordinate ordering of materials; coordinate work crews; weekly progress
Meeting to ensure project is on schedule and within budget

Work Experience and Accomplishments:

11/2018-5/2019 Peck Farm – Restroom
Cost \$352,879.00
Addition
Type of Construction: Wood Framed

4/2019-9/2019 Thompson Jr. High School
Cost \$361,840.00
Renovations
Type of Construction: Masonry, Bar Joist

9/2018-11/2018 VNA Healthcare Phase 2
Cost \$377,637.00
Renovations
Type of Construction: Wood Framed

10/2016-8/2017 East Aurora HS & Stadium
Cost \$8,532,417.00
Additions / Renovations
Type of Construction: Masonry, Bar Joist

1/2016-10/2016 Fearn Elementary
Cost \$1,627,000.00
Additions / Geo-Installations
Type of Construction: Masonry, Bar Joist

9/2015-8/2016 Norridge Park District
Cost \$2,065,894.00
Renovations
Type of Construction: Wood Framed



WORKERS COMPENSATION EXPERIENCE RATING

Risk Name: LITE CONSTRUCTION INC

Risk ID: 127167435

Rating Effective Date: 07/01/2022

Production Date: 02/07/2022

State: ILLINOIS

State	Wt	Exp Excess Losses	Expected Losses	Exp Prim Losses	Act Exc Losses	Ballast	Act Inc Losses	Act Prim Losses
IL	.09	43,594	54,703	11,109	0	43,750	0	0
(A) Wt	(B)	(C) Exp Excess Losses (D - E)	(D) Expected Losses	(E) Exp Prim Losses	(F) Act Exc Losses (H - I)	(G) Ballast	(H) Act Inc Losses	(I) Act Prim Losses
.09		43,594	54,703	11,109	0	43,750	0	0
		Primary Losses		Stabilizing Value		Ratable Excess		Totals
Actual	(I)	0		C * (1 - A) + G 83,421		(A) * (F) 0		(J) 83,421
Expected	(E)	11,109		C * (1 - A) + G 83,421		(A) * (C) 3,923		(K) 98,453
		ARAP	FLARAP	SARAP	MAARAP	Exp Mod		
Factors		1.00						(J) / (K) .85



WORKERS COMPENSATION EXPERIENCE RATING

Risk Name: LITE CONSTRUCTION INC

Risk ID: 127167435

Rating Effective Date: 07/01/2021

Production Date: 02/04/2021

State: ILLINOIS

State	Wt	Exp Excess Losses	Expected Losses	Exp Prim Losses	Act Exc Losses	Ballast	Act Inc Losses	Act Prim Losses
IL	.10	78,839	100,516	21,677	0	51,450	0	0
(A) Wt	(B)	(C) Exp Excess Losses (D - E)	(D) Expected Losses	(E) Exp Prim Losses	(F) Act Exc Losses (H - I)	(G) Ballast	(H) Act Inc Losses	(I) Act Prim Losses
.10		78,839	100,516	21,677	0	51,450	0	0
		Primary Losses		Stabilizing Value		Ratable Excess		Totals
Actual	(I)	0		C * (1 - A) + G 122,405		(A) * (F) 0		(J) 122,405
Expected	(E)	21,677		C * (1 - A) + G 122,405		(A) * (C) 7,884		(K) 131,986
		ARAP	FLARAP	SARAP	MAARAP	Exp Mod		
Factors		1.00						(J) / (K) .81



WORKERS COMPENSATION EXPERIENCE RATING

Risk Name: LITE CONSTRUCTION INC

Risk ID: 127167435

Rating Effective Date: 07/01/2020

Production Date: 12/04/2020

State: ILLINOIS

State	Wt	Exp Excess Losses	Expected Losses	Exp Prim Losses	Act Exc Losses	Ballast	Act Inc Losses	Act Prim Losses
IL	.09	49,905	63,580	13,675	0	42,250	0	0
(A) Wt	(B)	(C) Exp Excess Losses (D - E)	(D) Expected Losses	(E) Exp Prim Losses	(F) Act Exc Losses (H - I)	(G) Ballast	(H) Act Inc Losses	(I) Act Prim Losses
.09		49,905	63,580	13,675	0	42,250	0	0
		Primary Losses		Stabilizing Value		Ratable Excess		Totals
Actual	(I)	0		C * (1 - A) + G 87,664		(A) * (F) 0		(J) 87,664
Expected	(E)	13,675		C * (1 - A) + G 87,664		(A) * (C) 4,491		(K) 105,830
		ARAP	FLARAP	SARAP	MAARAP	Exp Mod		
Factors		1.00						(J) / (K) .83



WORKERS COMPENSATION EXPERIENCE RATING

Risk Name: LITE CONSTRUCTION INC

Risk ID: 127167435

Rating Effective Date: 07/01/2020

Production Date: 02/12/2020

State: ILLINOIS

State	Wt	Exp Excess Losses	Expected Losses	Exp Prim Losses	Act Exp Losses	Ballast	Act Inc Losses	Act Prim Losses
IL	.10	81,060	103,232	22,172	0	50,700	0	0
(A) Wt	(B)	(C) Exp Excess Losses (D-E)	(D) Expected Losses	(E) Exp Prim Losses	(F) Act Exp Losses (H-I)	(G) Ballast	(H) Act Inc Losses	(I) Act Prim Losses
.10		81,060	103,232	22,172	0	50,700	0	0
		Primary Losses	Stabilizing Value	Ratio Excess	Totals			
Actual	(I)	0	C * (1 - A) + G 123,654	(A) * (F) 0	(J) 123,654			
Expected	(E)	22,172	C * (1 - A) + G 123,654	(A) * (C) 8,106	(K) 153,932			
Factors		ARAP	FLARAP	SARAP	MAARAP	Exp Mod	(J) / (K)	.80

Vendor Reference				
COMPANY & ADDRESS	Phone & Fax	CONTACTS	Product Line	Line of Credit
Hall and One Services Inc P O Box 703 Hinckley Il 60520	P-630-277-0575	Lenny	Plumbing	Open
Malcor Roofing 1850 Dean St. St Charles Il 60174	P-630/896/6479 F-630/896/6597	Scott	Roofing	Open
Lesswell Masonry Inc 430 Prairie View Ln Hinckley Il 60520	P-815-286-8015	Kevin	Masonry	Open
Menards 1800 Mailletview Dr Yorkville Il 60560	P-630/201/7879	Matt	Everything	Open
Volt Electric Inc 9 S 500 Bushnell Rd Big Rock Il 60511	P-630-552-1600	Ken	Electric	Open
Built-Rite Construction 1001 Aucutt Rd. Montgomery Il 60538	P-630-299-3374	Ralph	Casework	Open
The Flooring Guys of Illinois 700 B South Lake St. Montgomery Il 60530	P-630-844-8510	Bijan	Flooring	Open

LITE CONSTRUCTION, INC.
FINANCIAL STATEMENTS
with
INDEPENDENT ACCOUNTANTS' REVIEW REPORT
for the year ended September 30, 2022

Weber & Associates CPAs, LLC
Certified Public Accountants

LITE CONSTRUCTION, INC.

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Weber & Associates CPAs, LLC

Certified Public Accountants

Thomas A. Weber

Michael Coakley

Gabriela Fedmasu

Suite 1B, 314 N. Lake St. Aurora, IL 60506

630 497-4500

Fax: 630-497-4951

Independent Accountants' Review Report

To the Management
Lite Construction, Inc.
Montgomery, Illinois

We have reviewed the accompanying financial statements of Lite Construction, Inc. (a corporation) which comprise the statement of financial position as of September 30, 2022, and the related statement of operations and retained earnings and cash flows for the year then ended, and the related notes to the financial statements. A review includes primarily applying analytical procedures to management's financial data and making inquiries of Company management. A review is substantially less in scope than an audit, the objective of which is the expression of an opinion regarding the financial statements as a whole. Accordingly, we do not express such an opinion.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with the *Financial Reporting Framework for Small- and Medium-Sized Entities* issued by the American Institute of Certified Public Accountants; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement whether due to fraud or error.

Accountant's Responsibility

Our responsibility is to conduct the review engagement in accordance with Statements on Standards for Accounting and Review Services promulgated by the Accounting and Review Services Committee of the AICPA. Those standards require us to perform procedures to obtain limited assurance as a basis for reporting whether we are aware of any material modifications that should be made to the financial statements for them to be in accordance with the *Financial Reporting Framework for Small- and Medium-Sized Entities* issued by the AICPA. We believe that the results of our procedures provide a reasonable basis for our conclusion.

Accountant's Conclusion

Based on our review, we are not aware of any material modifications that should be made to the accompanying financial statements in order for them to be in accordance with the *Financial Reporting Framework for Small- and Medium-Sized Entities*.

Basis of Accounting

We draw attention to Note 1 of the financial statements, which describes the basis of accounting. The financial statements are prepared in accordance with the *Financial Reporting Framework for Small- and Medium-Sized Entities*, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our conclusion is not modified with respect to this matter.

Supplementary Information

The supplementary information included in the accompanying schedules on pages 13 through 16 is presented for purposes of additional analysis and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from, and relates directly to, the underlying accounting and other records used to prepare the financial statements. The supplementary information has been subjected to the review procedures applied in our review of the basic financial statements. We are not aware of any material modifications that should be made to the supplementary information. We have not audited the supplementary information and do not express an opinion on such information.

Weber & Associates

Aurora, Illinois
January 13, 2023

LITE CONSTRUCTION, INC.
STATEMENT OF FINANCIAL POSITION
(FRF for SMEs Accounting Framework Basis)
as of September 30, 2022

Assets	
Current assets:	
Cash and cash equivalents	\$ 2,350,040
Certificates of deposit	777,531
Accounts receivable	2,610,171
Retention receivable	2,138,439
Credits due from vendors	4,520
Due from shareholder	114,660
Costs and estimated earnings in excess of billings on uncompleted contracts	585,447
Income taxes refundable	20,888
Total current assets	<u>8,601,696</u>
Fixed assets:	
Land	268,314
Leasehold improvements	88,600
Equipment and vehicles	<u>1,439,894</u>
Total fixed assets	1,796,808
Less accumulated depreciation	<u>(1,416,339)</u>
Net fixed assets	<u>380,469</u>
Total assets	<u>\$ 8,982,165</u>

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LITE CONSTRUCTION, INC.
STATEMENT OF FINANCIAL POSITION
(FRF for SMEs Accounting Framework Basis)
as of September 30, 2022

Liabilities and Stockholders' Equity	
Liabilities:	
Current liabilities:	
Accounts payable	\$ 6,663,163
Accrued liabilities	28,537
Billings in excess of costs and estimated earnings on uncompleted contracts	611,138
Current portion of long-term debt	<u>12,742</u>
Total current liabilities	<u>7,315,580</u>
Long-term liabilities:	
Noncurrent portion of long-term debt	<u>53,938</u>
Total liabilities	<u>7,369,518</u>
Stockholders' equity:	
Capital stock (70,000 shares authorized, issued and outstanding)	70,000
Retained earnings	<u>1,542,647</u>
Total stockholders' equity	<u>1,612,647</u>
Total liabilities and stockholders' equity	<u>\$ 8,982,165</u>

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LITE CONSTRUCTION, INC.
STATEMENT OF OPERATIONS AND RETAINED EARNINGS
(FRF for SMEs Accounting Framework Basis)
for the year ended September 30, 2022

Contract revenues earned	<u>\$ 24,984,760</u>
Contract costs	<u>23,944,000</u>
Gross profit	1,040,760
General and administrative expenses	<u>987,943</u>
Net operating income	<u>52,817</u>
Other income:	
Interest income	1,495
Miscellaneous income	<u>3,457</u>
Total other income	<u>4,952</u>
Income before income taxes	57,769
Provision for income taxes	<u>16,479</u>
Net income	41,290
Retained earnings- beginning of year	<u>1,501,357</u>
Retained earnings- end of year	<u>\$ 1,542,647</u>

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LITE CONSTRUCTION, INC.
STATEMENT OF CASH FLOWS
(FRF for SMEs Accounting Framework Basis)
for the year ended September 30, 2022

Cash flows from operating activities:	
Net income	\$ 41,290
Adjustments to reconcile net income to net cash from operating activities:	
Depreciation	338,627
Changes in operating assets and liabilities:	
Accounts receivable	(6,210)
Retention receivable	(1,697,514)
Credits due from vendors	4,631
Costs and estimated earnings in excess of billings on uncompleted contracts	(452,737)
Billings in excess of costs and estimated earnings on uncompleted contracts	318,229
Income taxes refundable	16,479
Accounts payable	3,560,120
Accrued expenses	<u>19,180</u>
Net cash provided by operating activities	<u>2,142,095</u>
Cash flows from investing activities:	
Capital expenditures	(645,385)
Due from shareholder	(10,214)
Certificates of deposit	<u>(732)</u>
Net cash used in investing activities	<u>(656,331)</u>
Cash flows from financing activities:	
Repayment of long-term debt	<u>(8,239)</u>
Net cash used in financing activities	<u>(8,239)</u>
Net increase in cash and cash equivalents	1,477,525
Cash and cash equivalents, beginning of year	<u>872,515</u>
Cash and cash equivalents, end of year	<u>\$ 2,350,040</u>

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LITE CONSTRUCTION, INC.
 NOTES TO FINANCIAL STATEMENTS
 September 30, 2022

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The accompanying financial statements have been prepared in accordance with the *Financial Reporting Framework for Small- and Medium-Sized Entities* (FRF for SMEs) issued by the American Institute of Certified Public Accountants, which is a special purpose framework and not U.S. generally accepted accounting principles (U.S. GAAP). The accounting principles that compose the framework are appropriate for the preparation and presentation of small- and medium-sized entity financial statements, based on the needs of the financial statements users and cost and benefit consideration. This special purpose framework, unlike U.S. GAAP, recognizes revenue from the performance of services under long term contracts using the percentage of completion method.

Nature of Operations

Lite Construction, Inc. (the Company), an Illinois Corporation, is engaged in the business of performing general construction contract work in the Chicago, Illinois Metropolitan area. A substantial portion of the revenue and contracts receivable reflected in the financial statements result from contracts in these market sectors. Revenues from construction contracts represent a substantial portion of the Company's total recognized revenue.

Use of Estimates

The preparation of financial statements in conformity with the *Financial Reporting Framework for Small- and Medium-Sized Entities* requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and reported amounts of revenues and expenses during the reporting period. Actual results could differ from these estimates.

Revenue and Cost Recognition

Revenues from contracts are recognized for financial reporting purposes on the basis of the Company's estimate of the percentage of completion of individual contracts. That portion of the total contract price is accrued which is allocable to the contract costs incurred to date when compared to the estimated total contract costs to be incurred. At the time a loss on a contract becomes known, the entire amount of the estimated loss is recognized.

Contract costs include subcontractor, direct material and labor costs and those indirect costs related to contract performance, such as indirect labor, supplies, tools, repairs, and depreciation costs. General and administrative costs are charged to expense as incurred. Changes in job performance, job conditions, and estimated profitability may result in revisions to costs and income and are recognized in the period in which revisions are determined.

LITE CONSTRUCTION, INC.
 NOTES TO FINANCIAL STATEMENTS
 September 30, 2022

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Revenue and Cost Recognition (continued)

The asset, "Costs and estimated earnings in excess of billings on uncompleted contracts," represents revenues recognized in excess of amounts billed. The liability, "Billings in excess of costs and estimated earnings on uncompleted contracts," represents billings in excess of revenues recognized.

Accounts receivable includes billings under contracts less billings collected on these contracts.

Cash and Cash Equivalents

Cash is defined as currency on hand, in demand deposits, and short-term highly liquid investments readily convertible to cash with a maturity of less than three months when acquired.

Accounts Receivable

Accounts receivable are presented at face value, net of the allowance for doubtful accounts. The allowance for doubtful accounts is established through provisions charged against income and is maintained at a level believed adequate by management to absorb estimated bad debts based on current economic conditions and consideration of each receivable balance. As of September 30, 2022, management has evaluated each receivable and considers all amounts to be fully collectible.

Fixed Assets

Fixed assets are recorded at cost. Depreciation is computed using straight-line and accelerated methods over the estimated useful lives of the assets. Depreciation expense for the year ended September 30, 2022 was \$338,627.

Advertising Expense

The Company expenses advertising costs as incurred. Advertising expense for the year ended September 30, 2022 was \$595.

2. COSTS AND ESTIMATED EARNINGS ON UNCOMPLETED CONTRACTS

Work in process at September 30, 2022 consists of the following:

Costs incurred on uncompleted contracts	\$ 24,306,204
Estimated earnings	<u>1,033,315</u>
	25,339,519
Less billings to date	<u>(25,365,210)</u>
	<u>\$ (25,691)</u>

LITE CONSTRUCTION, INC.
 NOTES TO FINANCIAL STATEMENTS
 September 30, 2022

2. COSTS AND ESTIMATED EARNINGS ON UNCOMPLETED CONTRACTS (continued)

Included in the accompanying statement of financial position under the following captions:

Costs and estimated earnings in excess of billings on uncompleted contracts	\$ 585,447
Billings in excess of costs and estimated earnings on uncompleted contracts	(611,138)
	<u>\$ (25,691)</u>

3. CONTRACT INCOME

Contract income at September 30, 2022 consists of the following:

Open contracts	\$ 25,339,519
Closed contracts	7,660,906
Less revenues reported in previous years	(8,015,665)
	<u>\$ 24,984,760</u>

4. CONCENTRATIONS OF CREDIT RISK

The Company maintains cash and certificate of deposit balances at various financial institutions located in the communities surrounding Montgomery, Illinois. The Company's uninsured cash balance for the year ended September 30, 2022 was \$3,185,710.

Concentrations of credit risk with respect to construction contract receivables are limited due to the Company's customer base. Most of the Company's business activity is with customers located within the State of Illinois. The Company requires no collateral.

At September 30, 2022, receivables from three customers, each exceeding 10% of total receivables, accounted for 63% of total receivables. Sales during the year to three customers exceeded 10% of total sales and accounted for 50% of total contract revenue. The Company considers accounts receivable to be fully collectible at September 30, 2022.

5. LINES OF CREDIT

The Company has a line of credit with First National Bank - Yorkville, Illinois which provides for borrowings up to \$200,000 with interest at the prime rate plus 0.50% with a floor of 5.00% (6.25% at September 30, 2022), and expires on October 13, 2022. The line of credit is secured by two certificates of deposit held at the bank.

LITE CONSTRUCTION, INC.
 NOTES TO FINANCIAL STATEMENTS
 September 30, 2022

5. LINES OF CREDIT (continued)

The Company has a line of credit with Old Second National Bank - North Aurora, Illinois which provides for borrowings up to \$400,000 with interest at the prime rate (6.25% at September 30, 2022), and expires on April 28, 2024. The line of credit is secured by three certificates of deposit held at the bank.

There were no borrowings under the lines of credit as of September 30, 2022.

6. LONG-TERM DEBT

Long-term debt at September 30, 2022 consists of the following:

Vehicle loan with monthly installments of \$494 including interest at 6.90% through December 2027	\$ 25,987
Vehicle loan with monthly installments of \$821 including interest at 3.74% through March 2027	40,693
	<u>66,680</u>
Less current maturities	12,742
	<u>\$ 53,938</u>

Scheduled principal repayments for the years ended September 30, are as follows:

2023	\$ 12,742
2024	13,368
2025	14,028
2026	14,724
2027	10,406
Thereafter	1,412
	<u>\$ 66,680</u>

7. COMPENSATED ABSENCES

Employees of the Company are entitled to paid vacation depending on job classification, length of service, and other factors. It is impracticable to estimate the amount of compensation for future absences, and accordingly, no liability has been recorded in the accompanying financial statements. The Company's policy is to recognize the costs of compensated absences when actually paid to employees.

LITE CONSTRUCTION, INC.
 NOTES TO FINANCIAL STATEMENTS
 September 30, 2022

8. EMPLOYEE BENEFIT PLAN

The Company's employees participate in a Simple 401(k) plan. The employer matches 3% of eligible employee's compensation. The amount contributed by the Company and charged to expense for the year ended September 30, 2022 was \$33,585.

9. INCOME TAXES

Income taxes are provided for the tax effects of transactions reported in the financial statements and consist of taxes currently due. The Company has not reported deferred taxes for temporary timing differences and carryforwards and believes there are no material differences between the amounts reported on the financial statements and current income tax laws.

The provision for income taxes at September 30, 2022 consists of the following:

Current federal income tax	\$ 10,887
Current state income tax	5,592
	<u>\$ 16,479</u>

The Company files income tax returns in the U.S. federal jurisdiction and the state of Illinois. The Company is no longer subject to U.S. federal or state income tax examinations by tax authorities for tax years before 2019.

The Company has adopted guidance issued by the Financial Accounting Standards Board (FASB) relating to uncertain tax positions. The Company's policy is to classify income tax related interest and penalties in interest expense and other expenses, respectively. The Company has analyzed tax positions taken and believes that income tax filing positions would be sustained upon examination and does not anticipate any adjustments that would have a material adverse affect on the Company's financial condition, results of operations or cash flows. Accordingly, there were no interest or penalties recognized for uncertain tax positions during the year ended September 30, 2022 and there were no accruals for interest and penalties at September 30, 2022.

10. COLLECTIVE BARGAINING AGREEMENTS AND UNION PENSION PLAN

Substantially the entire labor force is subject to collective bargaining agreements which are renewed periodically. In connection with its collective bargaining agreements with various unions, the Company participates with other companies in the unions' multiemployer pension plans the most significant of which are the Carpenters Benefit Fund, Chicago Carpenters Trust Funds and the Fox Valley Laborers Funds. These plans cover all of the Company's employees who are members of such unions. Total contributions to the plans were \$611,973 for the year ended September 30, 2022.

LITE CONSTRUCTION, INC.
 NOTES TO FINANCIAL STATEMENTS
 September 30, 2022

11. RELATED PARTY TRANSACTIONS

Leases

The Company leases certain property from James and Linda Campbell under three operating leases each expiring on December 31, 2022 and requiring monthly rental amounts of \$1,000. James Campbell is the principal shareholder of Lite Construction, Inc.

Related party rent expense for the year ended September 30, 2022 consists of the following:

Land and building for storage	\$ 12,000
Land for storage	12,000
Office	<u>12,000</u>
	<u>\$ 36,000</u>

Due from shareholder

Periodically the shareholders have borrowed money from the Company. At September 30, 2022 the shareholders had \$114,660 due to the Company without stated repayment terms or interest rate.

12. SUPPLEMENTAL DISCLOSURES OF CASH FLOW INFORMATION

Cash paid during the year ended September 30, 2022 for:	
Interest	\$ 5,228

13. SUBSEQUENT EVENTS

Management has evaluated subsequent events through January 13, 2023 the date the financial statements were available to be issued.

SUPPLEMENTARY INFORMATION

LITE CONSTRUCTION, INC.
 SCHEDULE OF CONTRACT COSTS
 for the year ended September 30, 2022

Contract costs:	
Materials and supplies	\$ 2,580,453
Subcontractors	18,981,321
Direct labor	807,906
Payroll taxes and union benefits	682,857
Rent	36,000
Rental equipment	1,845
Repairs and maintenance	4,150
Telephone	25,801
Truck expenses	179,941
Other indirect cost	643,726
	<u>\$ 23,944,000</u>

LITE CONSTRUCTION, INC.
 SCHEDULE OF GENERAL AND ADMINISTRATIVE EXPENSES
 for the year ended September 30, 2022

General and administrative expense:	
Advertising	\$ 595
Contributions	8,404
Depreciation	338,627
Miscellaneous	5,279
Office expense	34,823
Payroll taxes	33,748
Employee benefit plan	33,585
Professional fees	43,402
Insurance	73,072
Interest	5,228
Travel and entertainment	40,296
Utilities	5,003
Wages - office	147,081
Wages - officers	218,800
	<u>\$ 987,943</u>

Vote:



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

AUTHORIZING GYMNASIUM FLOOR REPLACEMENT AT THE JUVENILE JUSTICE CENTER

Committee Flow:

Judicial Public Safety Committee, Finance and Budget Committee, Executive Committee, County Board

Contact:

Lisa Aust 630-232-5805

Budget Information:

Was this item budgeted? No	Appropriation Amount: \$43,200
If not budgeted, explain funding source: Due to turnover, Kane County Court Services is under budget. Having increased the detention services per diem rate in 2023, the Kane County Juvenile Justice Center is projecting to out pace last year's detention services billing.	

Summary:

Pursuant to 730 ILCS 5/3-15-2 (b), the Illinois Department of Juvenile Justice (IDJJ) is responsible for establishing minimum standards for juvenile detention centers in the state. Section 2602.260 of IDJJ's County Juvenile Detention Standards required any facility with a rated capacity of 60 or more to have a standard size gymnasium and requires at least one hour of physical recreation be scheduled each day. The Kane County Juvenile Justice Center opened in 1997. The gymnasium is used every day, multiple times a day. Numerous gymnasium floor tiles are broken and no longer adhering to the floor. The gymnasium floor is 26 years old and has never been replaced. Kane County Building Management has secured three estimates to replace the gymnasium floor at the Kane County Juvenile Justice Center. Sports Court Midwest is able to meet the specifications required by the Kane County Juvenile Justice Center and were the most cost effect estimate, at a cost of Forty Three Thousand, Two Hundred (\$43,200).



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

Authorizing Creation of Boyer Road Special Service Area Fund #5315

Committee Flow:

Finance and Budget Committee, Executive Committee, County Board

Contact:

Kathleen T Hopkinson, 630.208.5132

Budget Information:

Was this item budgeted? No	Appropriation Amount: \$
If not budgeted, explain funding source: Click or tap here to enter text.	

Summary:

On May 9, 2023, the County Board approved Ordinance 23-187 for the purpose of funding drainage improvements and long term maintenance of those improvements in the Boyer Road Special Service area. In order to properly account for the tax levy revenue, the related expenditures, and the repayment of loans and fees, the County will establish a separate special revenue fund - #5315.

Staff recommends approval to create Fund 5315 for the Boyer Road Special Service Area

WHEREAS, a Construction Project is to be built through the County's Cost-Share Drainage program. The loan program outlines a ten (10) year term at a zero (0) percent interest rate. The Construction Project is defined as the replacement of the subsurface drainage system through the properties of 19N374 Boyer Road, 19N312 Boyer Road and 19N310 Boyer Road. The Boyer Road SSA property owner's share of the construction cost is 66% of the construction cost to a maximum of \$10,000 (other 33% is Kane County Cost-Share funds). Lot owners on whose property the construction occurs will be responsible for 100% of the cost of fine grading, topsoil spreading (if required), seeding and watering. The administration of the non-ad valorem special service area shall be added to each levy per Resolution 20-60 that is the lesser of \$400 or 5% of each levy. The Boyer Road loan amount shall be collected over a 10 year period after which time the Construction Project levy shall expire. Payments shall be made each year in accordance with the repayment schedule by the property owners in the maximum amount as shown on Exhibit A for the 10 year period. The Cost-Share funding is subject to approval by the Development Committee. If the Cost-Share percentage is denied or funding sources are unavailable for any other reasons, the passage of the SSA by the County Board does not obligate Kane County to move forward with the project; and

WHEREAS, it is in the public interest that the levy of a non-ad valorem annual tax upon all taxable property within the Area be considered for the purpose of paying the cost of providing the Services; and

WHEREAS, the revenue from such tax shall be used solely for Services for which the County is authorized under law to levy taxes or special assessments or to appropriate funds of the County, all of the Services to be in and for the Area; and

WHEREAS, said tax for Long Term Maintenance Services shall be available for an indefinite period of time in an amount sufficient to produce revenues required to provide the Services, and such amount shall not exceed the amount as shown on Exhibit A plus 1% for each year the SSA is active and shall be in addition to all other taxes permitted by law. The Long Term Maintenance Services levy will only be activated if the property owners in the SSA provide a written request to Kane County specifying the project, project cost and duration for which they are requesting that the Long Term Maintenance Services levy be activated. The Long Term Maintenance Services levy request will be subject to County Board approval; and

WHEREAS, said tax shall be levied upon all taxable property within the Area for the Construction Project for 10 years beginning for the tax year that coincides with the first loan payment, in an amount sufficient to produce revenues required to provide the Services, and such amount shall not exceed the amount as shown on Exhibit A and shall be in addition to all other taxes permitted by law; and

WHEREAS, the establishment of the Area was proposed by the Board of the County of Kane (the "County Board") pursuant to Ordinance No. 23-81, entitled: AN ORDINANCE PROPOSING THE ESTABLISHMENT OF THE BOYER ROAD SPECIAL SERVICE AREA (OR SPECIAL SERVICE AREA NO. 57) OF KANE COUNTY, ILLINOIS AND THE LEVY OF TAXES FOR THE PURPOSE OF PAYING THE COST OF PROVIDING SPECIAL SERVICES

IN AND FOR SUCH AREA (the "Proposing Ordinance"), duly adopted on March 14, 2023, and was considered at a public hearing (the "Hearing") held by the County Board on April 11, 2023; and

WHEREAS, notice of the Hearing was given by publication at least once not less than 15 days prior to the Hearing in Kane County Chronicle, the same being a newspaper of general circulation within the County (a copy of the notice and affidavit of publication is on file with the County Clerk as Exhibit B and is incorporated herein); and

WHEREAS, notice of the Hearing was given to the person or persons in whose name the general taxes for the last preceding year were paid on each lot, block, tract or parcel of land lying within the Area. A copy of the notice is on file with the County Clerk as Exhibit C and is incorporated herein; and

WHEREAS, at the Hearing, all interested persons, including persons owning taxable real property located within the Area, were given the opportunity to be heard regarding any issue embodied within the notice, including the establishment of the Area and the levy of taxes, and to file with the County Clerk written objections to the same (a copy of the transcript of the hearing [and the written objections, if any,] are on file with the County Clerk as Exhibit D); and

WHEREAS, the County Board does hereby determine that it is in the public interest and in the interest of the County and Area that the Area be established and the taxes described herein be levied;

NOW, THEREFORE, BE IT RESOLVED by the County Board of the County of Kane, Illinois, as follows:

§1. Incorporation of preambles

The preambles of this Ordinance are hereby incorporated into this text as if set out herein in full as the findings of the County Board.

§2. Final adjournment of Hearing

The Hearing was adjourned on April 11, 2023.

§3. Establishment of Area

(a) The Boyer Road Special Service Area (or Special Service Area No. SW-57) of Kane County, Illinois is hereby established in and for the County and shall consist of the territory legally described in Exhibit E on file with the County Clerk and made a part hereof.

(b) Said territory consists of approximately 15.0 acres lying west of Boyer Road and north of Huntley Road. An accurate map of the Area is on file with the County Clerk as Exhibit F and made a part hereof.

§4. Purpose of the establishing the Area

The purpose of establishing the Area is to provide certain special governmental services (the

“Services”), to the Area, which are unique and in addition to the services generally provided to the County as a whole. The Long Term Maintenance Services to be provided may include, but are not limited to the following: the operation, maintenance, repair, rehabilitation, replacement and reconstruction of any storm water detention and/or retention area, drainageway, ditch swale, storm sewer or other stormwater facility; costs of design, engineering and other consulting services, surveying and permits, public liability insurance, and all administrative, legal and other costs or expenses incurred in connection therewith and with the administration of the Area, including the repayment of any loan or debt incurred for the provision of any such Services.

§5. Tax Levy

The cost of the Services shall be paid by the revenue from the levy of a direct annual tax upon all taxable property within the Area for an indefinite period of time beginning for the 2023 tax bill (payable in 2024) and shall be as described in the SSA document, and shall be in addition to all other taxes permitted by law.

§6. Filing

The Water Resources Department is hereby directed to file and record, certified copy of this Ordinance, including a description of the territory and an accurate map of the Area, and all exhibits, with the Kane County Clerk’s Tax Extension Department within 60 days after its adoption and approval.

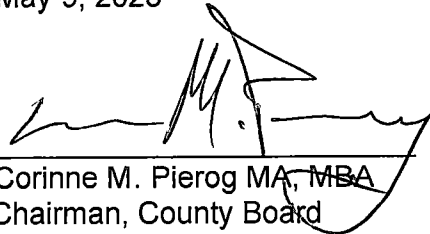
§7. Repealer

All ordinances, orders and resolutions and parts thereof in conflict herewith be and the same are hereby repealed, and this ordinance be in full force and effect forthwith upon its adoption .

Passed by the Kane County Board on May 9, 2023



John A. Cunningham
Clerk, County Board
Kane County, Illinois



Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:

PASSED



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

Authorizing the Finance Department to Contract with JP Morgan Chase Bank, N.A. of Chicago, IL for the Procurement Credit Card Program

Committee Flow:

Finance and Budget Committee, Executive Committee, County Board

Contact:

Kathleen T Hopkinson, 630.208.5132

Budget Information:

Was this item budgeted? No	Appropriation Amount: \$
If not budgeted, explain funding source: ARPA Fund	

Summary:

The Finance Department issued RFP 23-034 for Procurement Card Services. Staff evaluated five (5) proposals and selected JP Morgan Chase Bank, N.A. – Chicago, IL to provide the County with procurement card services.

Staff recommends approval..

**County of Kane
PURCHASING DEPARTMENT
KANE COUNTY GOVERNMENT CENTER**

719 S. Batavia Avenue, Bldg. A
Geneva, Illinois 60134

Telephone: (630) 208-3803
Fax: (630) 208-5107



September 13, 2023

PROCUREMENT SYNOPSIS

Requesting Department: Finance Department
Procurement Name: RFP 23-034 Procurement Card Services
Recommended Vendors: JP Morgan Chase Bank, N.A.

NOTIFICATION AND RESPONSE

Public Notices: Bidnet Direct and The Daily Herald

Advertising Date:	May 30, 2023	Notices sent/Plan Holders: 83/27
Proposal Due Date:	June 20, 2023	Proposals Received: 5

PURPOSE

This contract will provide Procurement Card Services for Kane County.

Staff evaluators reviewed all proposals received and invited the three top-scoring companies for interviews/demonstrations. The companies that interviewed were FNBO, JP Morgan Chase, and the Kane County Teachers Credit Union. After the interviews/demonstrations, the evaluators rescored and determined that JP Morgan Chase Bank, N.A. of Chicago, IL should provide these services.

Rank	Vendor	Total Average Score
1	JP Morgan Chase Bank, N.A. – Chicago, IL	83.15
2	Kane County Teachers Credit Union – Elgin, IL	81.79
3	FNBO	73.39
4	Fifth Third Bank – Oak Brook, IL	64.67
5	US Bank – Minneapolis, MN	38.08

The Finance Department recommends that the award for P-card Services go to JP Morgan Chase Bank, N.A. of Chicago, Illinois pending approval by Committee and County Board.

Submitted By:

Karin Kietzman

Karin Kietzman, CPPB
Assistant Director of Purchasing

Line Item Description: Various Budgeted Line Items - Contractual

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes

Are funds currently available for this Personnel/Item/Service in the specific line item? Yes

If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No.

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$200,000
If not budgeted, explain funding source:	

Summary:

Authorizing a contract for Kane County Generator Maintenance Services for Midwest Power Incorporated for preventative maintenance and on a project by project basis. An amount not to exceed Two Hundred Thousand Dollars (\$200,000) per fiscal year.



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING THE EXTENSION FOR A WATER TESTING FIRM FOR THE JUDICIAL CENTER CAMPUS WITH PHIGENICS INDEPENDENT WATER MANAGEMENT OF WARRENVILLE, IL

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$60,000
If not budgeted, explain funding source:	

Summary:

Authorizing a one year contract extension for the Judicial Center Campus with Phigenics Independent Water Management. The contract is authorized for an amount not to exceed \$60,000 per fiscal year.

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING THE EXTENSION FOR A WATER OPERATOR FOR THE JUDICIAL CENTER CAMPUS WITH SHEAFFER AND ROLAND OF GENEVA, IL

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$21,800
If not budgeted, explain funding source:	

Summary:

Authorizing a one year contract extension for a water operator for the judicial center campus with Sheaffer and Roland. The contract authorizes that the Judicial Center Campus is not to exceed \$21,800 per fiscal year.

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING A CONTRACT FOR BUILDING MANAGEMENT SNOW PLOWING SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$250,000
If not budgeted, explain funding source:	

Summary:

The resolution is authorizing a three year “Zero Tolerance Accumulation” contract for snow removal services through Santa’s Village. The contract authorizes for an amount of and not to exceed \$250,000 per fiscal year.

*Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes
Are funds currently available for this Personnel/Item/Service in the specific line item? Yes
If funds are not currently available in the specified line item, where are the funds available? N/A*

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING A CONTRACT FOR KANE COUNTY ELECTRICIAN SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$250,000
If not budgeted, explain funding source:	

Summary:

Authorizing a two year contract for Kane County Electrician Services for 3 vendors (Gatza Electric, Kellenberger Electric and Rehm Electric) on a project by project bases. Authorizing an amount not to exceed Two Hundred and Fifty Thousand Dollars (\$250,000) per fiscal year.

Line Item: 001.080.080.52110, 500.800.805.72010, various
Line Item Description: Repairs and Maint- Buildings, Capital, Various
Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes
Are funds currently available for this Personnel/Item/Service in the specific line item? Yes
If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING A CONTRACT FOR FIRE PROTECTION SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$500,000
If not budgeted, explain funding source:	

Summary:

The resolution is authorizing a three year contract for fire protection services with Alarm Detection Systems, Inc. of Aurora, ADT Commercial, LLC of Burr Ridge, Alert Fire Protection of Mokena, Illinois and F.E. Moran Inc. The resolution authorizes an amount not to exceed \$500,000 per fiscal year.



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

AUTHORIZING A CONTRACT FOR CLOUD BASED COMMUNITY COMMUNICATION CENTER -TTEC DIGITAL SERVICES

Committee Flow:

Public Health Committee, Finance and Budget Committee, Executive Committee, County Board

Contact:

Michael Isaacson

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$41,800.00
If not budgeted, explain funding source: N/A	

Summary:

One of the essential public health functions is to communicate effectively to inform and educate about health and safety, factors that influence it, and how to improve it. The pandemic exposed the critical need for Kane County Health Department to better coordinate information flow in times of crisis resulting from a health hazard or outbreak of a communicable disease. Transition to a cloud-based community communication center will promptly respond to county residents to provide pertinent information to them and address their immediate needs. The Kane County Health Department's call center will address the critical need to promptly increase resources to handle both ongoing communication needs and a surge in calls due to a crisis.

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

**Resolution: No. AUTHORIZING A CONTRACT FOR MILL CREEK
SSA SNOW PLOWING**

Committee Flow: Administration Committee, Finance and Budget Committee,
Executive Committee, County Board

Contact: Roger Fahenstock, 630-232-3571

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$161,000
If not budgeted, explain funding source:	

Summary:

Resolution authorizing a contract for Mill Creek SSA Snow Plowing through Countywide Landscaping, Inc. Authorizing a three (3) year "Zero Tolerance Accumulation" contract for an amount not to exceed \$161,000 per fiscal year.



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING THE EXTENSION FOR MILL CREEK SSA PARKWAY TREE & STUMP REMOVAL SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Roger Fahnestock, 630-232-3571

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$60,000
If not budgeted, explain funding source:	

Summary:

Resolution authorizing a contract extension for Mill Creek SSA Parkway tree and stump removal through Langton Group. Authorized for an amount not to exceed \$60,000 per fiscal year.



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

Approving of a contract extension for the County-wide Bottled Water Service Program.

Committee Flow:

Finance and Budget Committee, Executive Committee, County Board

Contact:

Karin Kietzman, 630-444-1071

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$ Various
If not budgeted, explain funding source: n/a	

Summary:

This is a final year contract extension for the bottled water service program for various Kane County Offices for the Kane County Purchasing Department.

The previous contract was competitively solicited and awarded by the County Board on September 10, 2019 per Res. 19-315, to Century Spring of Genesee Depot, WI for a two (2) year term with a mutual option for three (3) one (1) year renewals upon agreed by both parties. Resolution 21-292 approved a two (2) year contract extension which will expire on October 30, 2023.

The County hereby requests that Century Spring agree and offer to extend the current bottled water service program for the final one-year terms with a minimal cost adjustment on the 9 oz., cup due to manufacturer cost increase. The new contract period is to commence from November 1, 2023 through October 30, 2024 or upon approval by the full Kane County Board. This is the final contract renewal as allowed per RFP 36-019.

**County of Kane
PURCHASING DEPARTMENT
KANE COUNTY GOVERNMENT CENTER**

719 S. Batavia Avenue, Bldg. A.
Geneva, Illinois 60134

Telephone: (630) 232-5929
Fax: (630) 208-5107



September 11, 2023

**OPTION YEAR
CONTRACT SYNOPSIS**

Requesting Department:	Kane County Purchasing Department
Procurement Name:	RFP 36-019 Bottled Water Service Program
Recommended Vendor:	Century Spring

PURPOSE:

This is a final year contract extension for the bottled water service program for various Kane County offices for the Kane County Purchasing Department.

The previous contract was competitively solicited and awarded by the County Board on September 10, 2019 per Res. 19-315, to Century Spring of Genesee Depot, WI for a two (2) year term with a mutual option for three (3) one (1) year renewals upon agreed by both parties. Resolution 21-292 approved a two (2) year contract extension which will expire on October 30, 2023.

The County hereby requests that Century Spring agree and offer to extend the current bottled water service program for the final one-year terms with a minimal cost adjustment of \$.60 on the 9 oz., cup due to manufacturer cost increase. The new contract period is to commence from November 1, 2023 through October 30, 2024 or upon approval by the full Kane County Board. This is the final contract renewal as allowed per RFP 36-019.

Scoring Summary

VENDOR	TOTAL AVERAGE SCORES
Century Spring, Genesee, WI	89%
DS Services of America, Inc., Atlanta, GA	78%
Nestle Water North America, Inc., Woodridge, IL	77%

Based on the following criteria, the Purchasing Department recommends approval and award of a contract extension for the County bottled water service and delivery program to Century Spring of Genesee Depot, WI pending the Kane County Board approval:

- County Offices and staff have been very happy and satisfied with the services that they have been providing.
- Contract compliance, and no other issues with services, delivery, report, and billing.
- Continuing to yield an annual cost saving when compared to other proposals.
-

Submitted By:
Tim Keovongsak, CPPB
Purchasing Department



CENTURY SPRINGS
PO BOX 275
GENESEE DEPOT WI 53127
WWW.CENTURYSPRINGS.COM
1-800-825-7873

Tim Keovongsak, CPPB
Assistant Director of Purchasing
Kane County Purchasing Department
719 S. Batavia Ave. Bldg. A, Geneva, IL 60134

August, 17, 2023

Dear Tim:

Century Spring is interested in continuing to provide services for the remaining year and through October of 2024.

The service terms and conditions will remain the same as well as the current cost with the exception of the sleeves of cups they will now be \$3.00 per sleeves due to manufacturing cost increases. Please reference the attached contract price sheet.

Thank you,

Jeff Saeger | Route Manager
Century Springs

Bottled Water Contract

CENTURY SPRINGS

Contract Period (November 1, 2023 - October 31, 2024)

PRODUCTS DESCRIPTIONS	CONTRACT PRICE
5 Gal Century Springs Purified Drinking Water (with handle)	\$4.29
Water Coolers Hot/Cold Dispenser Rental per Month	\$2.99
Delivery Fee per each Acct., per Delivery	\$2.00
OPTIONAL ITEMS	
<i>Bottleless Filtration System per Month. Based cost starting at:</i>	\$25.00
5 Gal Century Spring Distilled Water	\$4.29
5 Gal Century Springs Spring Water	\$4.29
5 Gal Century Springs Fluoridated Water	\$4.29
.5 Liter – Ice Mountain Springs Small Bottles – 24/Case	\$4.25
9 oz. cups (100/sleeve)	\$3.00
10 oz. Hot Cups	\$3.00
Room Temp/Cold Water Cooler Dispenser Renal per Month	\$2.99

Please send all request and question into INFO@CENTURYSPRINGS.COM as it is monitor by Century Springs's central customer service during business hour and you will get your needs handled quickly.

ACCOUNT INFORMATION & BILLING

Kathleen Pugh-Sepsakos
 PO Box 275 Genesee Depot, WI 53127
 Office# 800-825-7873 Ext. 207
kathleen@centurysprings.com

Carmen Barwick

Office# 262-968-2112
carmen@centurysprings.com

ACCOUNT REPRESENTATIVE

Jeff Saeger
 Sales & Service Manager
 Century Springs
 Direct Cell# 224-230-1413 Office# 800-825-7873
Jeff.saeger@centurysprings.com

NOTE: THIS IS A TWO-YEAR CONTRACT EFFECTIVE FROM November 1, 2023 - October 31, 2024 **WITH ONE (1) ONE-YEAR EXTENSIONS.**

STATE OF ILLINOIS
COUNTY OF KANE

RESOLUTION: NO. 21 - 392

AUTHORIZING CONTRACT EXTENSION BOTTLED WATER SERVICE

WHEREAS, Proposals were solicited and received and the County of Kane has entered into a bottled water service contract, approved by Resolution No. 19-315, with an option to extend the contract for three (3) one-year terms for the sale and bulk delivery of bottled water and cooler rentals to various County facilities; and

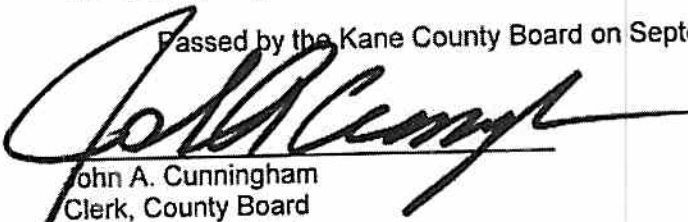
WHEREAS, Century Spring of P.O. Box 275 Genesee Depot, WI agreed and offered a two (2) year contract extension for bottled water services under the same terms and conditions, with a minimal cost increase as specified and allowed for in RFP 36-019. The option year period to commence on November 1st 2021 to October 30, 2023 with following cost;


- 5 Gal. Century Spring Purified Bottled Water	\$4.29
- Cooler Hot/Cold Rental per Month	\$2.99
- Delivery Fee per Each Account per Delivery	\$2.00

WHEREAS, bottled water and coolers shall be delivered on as per-need basis by Century Spring based on a pre-arrange delivery schedules or upon request by County's facilities; and

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman is hereby authorized to execute the Service Riders for the two-year contract extension for bulk purchase and delivery of bottled water and cooler rental with Century Spring of Genesee Depot, WI. The option year period commencing November 1, 2021 to October 31, 2023.

Passed by the Kane County Board on September 14, 2021.


John A. Cunningham
Clerk, County Board
Kane County, Illinois


Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:
[Unanimous]

Authorizing Contract Extension for Bottled Water Service

STATE OF ILLINOIS

COUNTY OF KANE

RESOLUTION: NO. 19 - 315

AUTHORIZING BOTTLED WATER SERVICES CONTRACT

WHEREAS, Kane County provides bottled water service to employees at all County facilities and visitors to the Third Street Courthouse since the water fountains were removed due to plumbing issues; and

WHEREAS, due to the current contract term expiring the end of October 2019 with Purchasing Staff anticipating a cost increase with a potential contract renewal, Purchasing Staff issued a request for Proposals in order to provide cost savings for this service; and

WHEREAS, three proposals were submitted, one of which was from the current vendor, Nestle Waters North America of Woodridge, IL which included a product cost increase of approximately 5.7% and delivery fee increase of approximately 76%; and

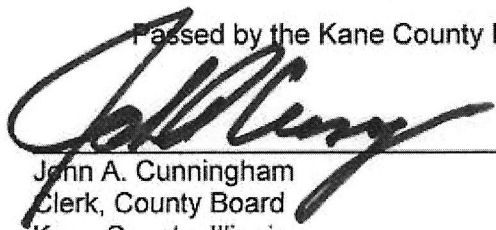
WHEREAS, the proposals were reviewed and scored, with a new vendor, Century Springs of Genessee Depot, WI, with a warehouse in Cary, IL offering a significant cost savings of approximate 25% with price guaranteed for a new two-year contract that includes three (3) one year extensions to be mutually agreed upon; and

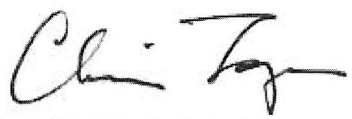
WHEREAS, this contract calls for the use of funds beyond the current budget year and the County of Kane acknowledges the necessity of the appropriation of such funds; and

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the County Board Chairman is authorized to execute a two-year contract with Century Springs of Genessee Depot, WI, for an amount not to exceed \$20,000 per year for a total not to exceed \$40,000 and includes three one-year options for renewal, to be mutually agreed upon, to be charged to the appropriate budgeted accounts.

Line Item	Line Item Description	Was Personnel/Item/Service approved in original budget or a subsequent budget revision?	Are funds currently available for this Personnel/Item/Service in the specific line item?	If funds are not currently available in the specified line item, where are the funds available?
Various Budget Accts	Commodities	Yes	Yes	N/A

Passed by the Kane County Board on September 10, 2019.


John A. Cunningham
Clerk, County Board
Kane County, Illinois


Christopher J. Lauzen
Chairman, County Board
Kane County, Illinois

Vote:
[Unanimous]

19-09 Bottled Water Services

Line Item: 520.690.730.52120

Line Item Description: Repairs and Maintenance Grounds

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes

Are funds currently available for this Personnel/Item/Service in the specific line item? Yes

If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING THE EXTENSION FOR LANDSCAPE MAINTENANCE SERVICE FOR THE MILL CREEK SSA

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Roger Fahnestock, 630-232-3571

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$189,800.72
If not budgeted, explain funding source:	

Summary:

Resolution authorizing the one-year extension for landscape maintenance service for the Mill Creek SSA with Cornerstone Partners Horticultural Services Company. The Kane County board is authorizing that Mill Creek SSA is authorized to expend up to \$189,800.72 per fiscal year.



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING A CONTRACT EXTENSION FOR MILL CREEK SSA CONCRETE LIFTING & REPAIR SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee,
Executive Committee, County Board

Contact: Roger Fahnestock, 630-232-3571

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$30,000
If not budgeted, explain funding source:	

Summary:

Authorizing the contract extension of one year for Mill Creek SSA concrete lifting & repair services through Raise-Rite Concrete Lifting for a not to exceed amount of \$30,000 per fiscal year.



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

Authorizing the Child Protection Data Courts Grant

Committee Flow:

Judicial Public Safety Committee, Finance and Budget Committee, Executive Committee, County Board

Contact:

Jason W. Mathis, 630-208-5145

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$4,150.00
If not budgeted, explain funding source: N/A	

Summary:

To authorize acceptance of the Child Protection Data Courts grant in the amount of \$4,150.00.

WHEREAS, the Omnia Partners contract was publicly bid by Region 4 Education Service Center (ESC) of Houston, Texas and is available under Contract Number: R192002; and

WHEREAS, the Omnia Partners contract was awarded from April 1, 2020 through March 31, 2023 with the option to renew for two (2) additional one (1) year periods through March 31, 2025; and

WHEREAS, the Omnia Partners contract was publicly bid by Region 4 Education Service Center (ESC) of Houston, Texas and is available under Contract Number: MA3461; and

WHEREAS, the Omnia Partners contract was awarded from May 6, 2020 through May 5, 2025 with no renewal options; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, this purchase calls for the use of funds during multiple budget years; and

WHEREAS, the Building Management Department has had additional needs throughout the County Offices and Departments to purchase online marketplace and maintenance, repair and operations (MRO) supplies & equipment through Grainger. Due to the additional needs, Building Management has the need to add One Hundred Thousand Dollars \$100,000 to the per fiscal year amount making the total Four Hundred Thousand Dollars \$400,000 per fiscal year; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed \$400,000 per year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Building Management Department is hereby authorized and directed to expend a not to exceed Four hundred thousand (\$400,000) per year utilizing the Omnia Partners Cooperative to purchase Online Marketplace and Maintenance, Repair and Operations (MRO) Supplies & Equipment through Grainger contract #MA3461 through May 5, 2025 and Grainger contract #R192002 to be paid from various line items as needed for departments and offices.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Kane County Board Chairman and the Building Management Department are authorized and directed to purchase and enter into joint purchasing agreements with OMNIA Partners, Region 4 Education Service Center (ESC) of Houston, Texas (Contract R192002) and Grainger for the purchase of building materials, tools, and supplies.

Line Item: 001.080.080.52110, 001.080.080.52160, various

Line Item Description: Repairs and Maint- Buildings/equipment, Various

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes

Are funds currently available for this Personnel/Item/Service in the specific line item? Yes

If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING ADDITIONAL EXPENDITURE OF FUNDS FOR ONLINE MARKETPLACE AND MAINTENANCE, REPAIR AND OPERATIONS (MRO) SUPPLIES AND EQUIPMENT

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$400,000
If not budgeted, explain funding source:	

Summary:

This resolution is authorizing an additional expenditure of funds for Grainger for the purchase of building materials, tools and supplies. This resolution authorizes an extra \$100,000 to make it for an amount not to exceed \$400,000 per fiscal year.

December 16, 2020 through December 15, 2025 with the option to renew for five (5) additional one (1) year periods through December 15, 2030; and

WHEREAS, The Omnia Partners contract was publicly bid by County of DuPage of Illinois and is available under Contract Number FI-R-0251-18; and

WHEREAS, The Omnia Partners contract number FI-R-0251-18 was awarded from October 1, 2018 through September 30, 2023 and has been extended to March 31, 2024; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, these purchases call for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed \$150,000 per year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend not to exceed One Hundred and Fifty Thousand Dollars (\$150,000) per year utilizing the OMNIA Partners Cooperative to purchase copiers, printers, and related services through Canon through March 31, 2024 to be paid from various line items as needed for departments and offices.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Kane County Board Chairman and the Information Technologies Department are authorized to purchase and enter into joint purchasing agreements with OMNIA Partners, University of California (Contract # 2020002755), and County of DuPage (Contract # FI-R-0251-18), and Canon for the purchase and lease of copiers, multi-function printers, scanners, parts, services, maintenance, and supplies.

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. Authorizing Expenditure of Funds for Multi-Function Copier Devices and Service Solutions and Print Goods and Service Renewal

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Charles Lasky, 630-232-5827

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$150,000
If not budgeted, explain funding source:	

Summary:

Resolution authorizing \$150,000 per fiscal year for copiers, printers, and related services. This resolution also renews the OMNIA agreement with Canon through March of 2024.

Each year the Information Technologies Department purchases replacement and/or new copiers and printers and related services on behalf of the County offices and departments. By utilizing the joint purchase capabilities of the OMNIA Partners Cooperative with Canon, we can receive favorable pricing for these purchases and are able to find additional items that are in stock and ready to ship.

WHEREAS, the Omnia Partners contract was awarded from June 1, 2020 through May 31, 2023 with the option to renew for two (2) additional one (1) year periods through May 31, 2025; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, these purchases call for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed \$ 150,000 per year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend a not to exceed One Hundred and Fifty Thousand Dollars (\$150,000) per year utilizing the OMNIA Partners Cooperative to purchase copiers, printers, and related services through Toshiba through May 31, 2024 to be paid from various line items as needed for departments and offices.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Kane County Board Chairman and the Information Technologies Department are authorized to purchase and enter into joint purchasing agreements with OMNIA Partners, Region 4 Education Service Center (ESC) of Houston, Texas (Contract # R191103), and Toshiba for the purchase and lease of copiers, multi-function printers, scanners, parts, services, maintenance, and supplies.

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. Authorizing Expenditure of Funds for Copiers, Printers, and Related Services Renewal

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Charles Lasky, 630-232-5827

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$150,000
If not budgeted, explain funding source:	

Summary:

Resolution authorizing \$150,000 per fiscal year for copiers, printers, and related services. This resolution also renews the OMNIA agreement with Toshiba through May of 2024.

Each year the Information Technologies Department purchases replacement and/or new copiers and printers and related services on behalf of the County offices and departments. By utilizing the joint purchase capabilities of the OMNIA Partners Cooperative with Toshiba, we can receive favorable pricing for these purchases and are able to find additional items that are in stock and ready to ship.

WHEREAS, the Omnia Partners contract number R191104 was awarded from June 1, 2020 through May 31, 2023 with the option to renew for two (2) additional one (1) year periods through May 31, 2025; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, these purchases call for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed \$ 150,000 per year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend a not to exceed One Hundred and Fifty Thousand Dollars (\$150,000) per year utilizing the OMNIA Partners Cooperative to purchase copiers, printers, and related services through Xerox through May 31, 2024 to be paid from various line items as needed for departments and offices.

NOW, THEREFORE, BE IT FURTHER RESOLVED that the Kane County Board Chairman and the Information Technologies Department are authorized to purchase and enter into joint purchasing agreements with OMNIA Partners, Region 4 Education Service Center (ESC) of Houston, Texas (Contract # R191104), and Xerox for the purchase and lease of copiers, multi-function printers, scanners, parts, services, maintenance, and supplies.

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. Authorizing Expenditure of Funds for Copiers, Printers, and Related Services Renewal

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Charles Lasky, 630-232-5827

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$150,000
If not budgeted, explain funding source:	

Summary:

Resolution authorizing \$150,000 per fiscal year for copiers, printers, and related services. This resolution also renews the OMNIA agreement with XEROX through May of 2024.

Each year the Information Technologies Department purchases replacement and/or new copiers and printers and related services on behalf of the County offices and departments. By utilizing the joint purchase capabilities of the OMNIA Partners Cooperative with XEROX, we can receive favorable pricing for these purchases and are able to find additional items that are in stock and ready to ship.

April 30, 2026 with the option to renew for two (2) additional one (1) year periods through April 30, 2028; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, this purchase calls for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed Eight Hundred and Twenty Thousand Dollars (\$820,000) per fiscal year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized and directed to enter into contract with Insight Public Sector through Omnia Partners Contract Number: 23-6692-03.

NOW, THEREFORE, BE IT FURTHER RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend a not to exceed amount of Eight Hundred and Twenty Thousand Dollars (\$820,000) for network storage and services per fiscal year through April 30, 2026 to be paid from various line items as needed for departments and offices.

Line Item: 500.800.801.70000, various

Line Item Description: Capital Computer Equipment Various

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes

Are funds currently available for this Personnel/Item/Service in the specific line item? Yes

If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING EXPENDITURE OF FUNDS FOR NETWORK STORAGE AND SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Charles Lasky, 630-232-5827

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$820,000
If not budgeted, explain funding source:	

Summary:

This resolution is authorizing the expenditure of funds for network storage and services through OMNIA for Insight Public Sector, Inc until April 30th, 2026. The resolution authorizes an amount not to exceed \$820,000 per fiscal year.

WHEREAS, the OMNIA Partners Contract was awarded from May 1, 2023 through April 30, 2026 with the option to renew for two (2) additional one (1) year periods through April 30, 2028; and

WHEREAS, Kane County has used the Omnia Partners contract in the past; and

WHEREAS, this purchase calls for the use of funds during multiple budget years; and

WHEREAS, Kane County acknowledges the necessity of the appropriation of such funds from multiple County funds and line items at a cost not to exceed Nine Hundred Thousand Dollars (\$900,000) per fiscal year.

NOW, THEREFORE, BE IT RESOLVED by the Kane County Board that the Chairman thereof is hereby authorized and directed to enter into contract with Insight Public Sector through Omnia Partners Contract Number: 23-6692-03.

NOW, THEREFORE, BE IT FURTHER RESOLVED by the Kane County Board that the Information Technologies Department is hereby authorized to expend a not to exceed amount of Nine Hundred Thousand Dollars (\$900,000) for computer hardware, software and services per fiscal year through April 30, 2026 to be paid from various line items as needed for departments and offices.

Line Item: 500.800.801.70000,001.800.801.50340 various

Line Item Description: Capital Computer Equipment, Computer Software, Various

Was Personnel/Item/Service approved in original budget or a subsequent budget revision? Yes

Are funds currently available for this Personnel/Item/Service in the specific line item? Yes

If funds are not currently available in the specified line item, where are the funds available? N/A

Passed by the Kane County Board on October 10, 2023.

John A. Cunningham, MBA, J.D.
Clerk, County Board
Kane County, Illinois

Corinne M. Pierog MA, MBA
Chairman, County Board
Kane County, Illinois

Vote:



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No. AUTHORIZING EXPENDITURE OF FUNDS FOR COMPUTER HARDWARE, SOFTWARE AND SERVICES

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Charles Lasky, 630-232-5827

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$900,000
If not budgeted, explain funding source:	

Summary:

This resolution is authorizing the expenditure of funds for computer hardware, software and services through OMNIA for Insight Public Sector, Inc. until April 30th, 2026. The resolution authorizes an amount not to exceed \$900,000 per fiscal year.



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

Authorizing the Kane County Sheriff's Office Purchase of a Bomb Squad X-ray Machine

Committee Flow:

Judicial Public Safety Committee, Finance and Budget Committee, Executive Committee, County Board

Contact:

Christie Duffy 630.208.2001

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$42,833.00
If not budgeted, explain funding source: 001.380.380.60190 Bomb Squad Supplies	

Summary:

This resolution authorizes the Kane County Sheriff's Office purchase of an additional X-ray machine for the Bomb Squad. Over the last year, the Kane County Sheriff's Bomb Squad has been deployed to just under 100 calls in Kane County and throughout Illinois. Due to the large response area, the additional unit will allow the unit to respond to two locations at the same time.

The Bomb Squad X-ray machine will be purchased from the FY24 budget through the Bomb Squad Supplies Fund 001.380.380.60190 for an amount not to exceed \$42,833.00.



NEW

Tactical EOD System

Introducing the intuitive ultra-portable tactical digital radiography system designed by Cuattro **with** bomb techs, **for** bomb techs.

Product Features:

Automatic Exposure control that works

- Proprietary (patented) AED function with reliable performance even on dense objects
- Fast and Superior Sensitivity (lower noise, higher signal)
- Nearly Zero EMI emissions for safe field operations

Latest Detector Technologies

- Flexible Non-Glass Substrate for substantial increase in durability and ruggedness
- Lightweight (1.7kg with internal batteries)
- Highspeed onboard calibrations (Displayed image in 2-3secs)
- HD resolution (99micron, 5.0 lpm, 16bit grayscale)
- Water and Dust (IP 67 rating with 30 mins of submersion at up to a meter of water)
- Onboard image storage (250 images) in detector memory
- Thin bezel edges (4mm or less on two sides)

Exposure Anytime Technology

- Offline image capture and onboard (in-detector) storage
- Power on detector and expose (with or without acquire device-software)
- No need to be connected to tablet to capture images
- Automatically pushes images to tablet when available

Long Range Wireless Control and Data

- Long Range wireless technologies
- Control the Generator and the Detector
- Fast Image transfer and display (2-3secs)

Best Image Quality

- HD Image with 99micron pixels giving 5 lpm resolution
- 16 Bit Dynamic range
- Very low dose capable
- High sensitive mode to view very dense objects
- Target-specific multi-frequency image tuning algorithms

When time is not on your side, a reliable, instant, better image can be the difference between life or death. CuattroDR delivers with confidence.

Tactical EOD Software Features:

Full XTK Integration

- Can be configured on any Windows tablet or laptop but Optimized for SurfaceGO2 Tablets
- Seamless workflow within XTK with downloaded Cuattro Scanner driver
- Full featured Standalone application as well
- Mosaic integration with XTK
- Advance manipulation of images in application before sending to XTK

Generator Integration

- Automatically adjust the exposure window time of detector based on settings
- All models of Golden Engineering Generators
- 5pin and 7pin versions
- 12volt and 20volt versions
- Wireless and wired control from Software
 - Pulse, Trains, Delays, Exposure Control
- System Feedback from 7pin generators
 - Battery, current settings, error codes etc

Quick Set and Shoot workflow

- Super simple and super fast setup
- Only need to hit one button and it is ready
- Programmable User Interrogation presets
- User selects a Device type and the software sets up everything
 - Generator settings, Detector exposure window time and gain, filter type, etc

OnePulse Mode

- Operator can hit one button to take a single pulse survey image
- Detector uses a high sensitivity mode while the generator is set to a single pulse and the image is processed with special filters
- Reduce risk of accidental triggers with low energy exposures

Complete set of Image tools

- Advance Multi-Frequency Image processing tools
- User configurable 5 preset filters
- Hundreds of variations of filters can be achieved depending on the device
- Measurements, Annotations, ROI window level tools

Manage Multiple Detectors in an organization

- Internal Calibration data allows detectors to move between tablets
- Tablets can be pre-configured to utilize all detectors in an organization
- User just selects the detector from a drop-down menu

10x12" Wireless Detector Specifications:

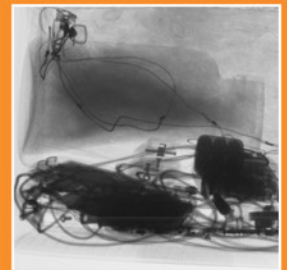
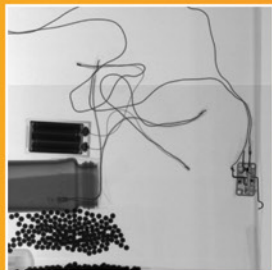
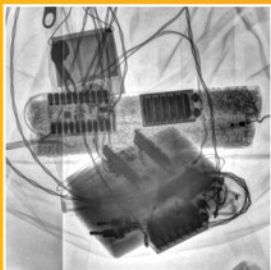
- Model Name SEC-1012
- Detector TFT Type Flexible, Non-Glass Substrate
- Scintillator GadOx
- Pixel Pitch 99micron
- Pixel Matrix 2524 x 3036 pixels
- Image Size 10" x 12" (25.4cm x 31.7cm)
- Grayscale 16bits, 65,355 level of grays
- Image Acquisition Time Wired: 1.5 secs, Wireless: 3secs
- Offline Image Storage 250 Images
- Dimensions 28.7cm x 35.0cm x 1.5cm
- Weight 1.7kg with (Battery installed)
- Water/Dust Intrusion Rating IP 67 (30mins of submersion at 1 meter of depth of water)
- Battery 8hr Internal Lithium 3100 mAh
- Charging Options USB-C Cable or Wireless Charger
- AED (Automatic Exposure Control) Zero EMI Optical trigger
- Dead Space Margins (Bezel thickness) .. 4mm on two sides
- Other Features Accelerometer, Auto-orientation

Microsoft Surface GO2 Tablet Specifications:

- Display 10.5" (1920x1280) Pixel Sense High Contrast, Superbright Multi-Touch Screen Corning Gorilla Glass 3
- Memory 8GB Ram
- Storage 128GB SSD, 64GB eMMC
- Battery Life 10hours with typical use
- Weight 553 grams (1.22 pounds)
- Dimensions 9.65" x 6.9" x 0.33"
- Cameras, Audio, Video 5.0MP front facing, 8MP rear facing, with Dual Mics and 2W Dolby Audio
- Operating System Windows 10 IoT
- Wireless WiFi: IEEE 802.11 a/b/g/n/ac/ax Bluetooth 3.0 4g LTE Advance (Qualcomm) GPS

Included Tactical EOD System Accessories:

- Keyboard Protective Cover
- Wireless Mouse and TouchPEN
- Military Grade Protective Tablet Cover
- Generator Serial Cable (5 and 7 pin)
- Detector Cable and System Control Unit
- Carbon Protective Box (tablet and detector) for Tactical Back Pack
- 3 Year Warranty



A Smarter direction in Digital Radiography... Better. Much better.

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Duffy, Christie

From: Wolf, David
Sent: Tuesday, September 5, 2023 3:36 PM
To: Duffy, Christie
Subject: FW: Cuattro Tactical systems
Attachments: 21LT0501_001_CuattroDR_Tactical_EOD_SellSheet_Draft01.pdf

Follow Up Flag: Follow up
Flag Status: Flagged



Commander David Wolf #867
Public Safety
S.W.A.T. Commander
630.208.2030
wolfdave@co.kane.il.us
Kane County Sheriff's Office
37W755 Illinois Route 38, Suite A
Saint Charles, IL 60175

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From: Mark Skeels <[mskeels@cuattro.com](mailto:m skeels@cuattro.com)>
Sent: Thursday, July 13, 2023 3:33 PM
To: Wolf, David <WolfDave@KaneCountyIL.gov>
Subject: EX: Cuattro Tactical systems

Good talking with you today. From what I understand you are interested in a Tactical system similar to what the FBI is using now. This is a 10x12 panel, We also have larger ones like the 14x17inch and even much larger than that.

Attached is the brochure for the 10x12 tactical system as well as a quote to start you out. If you decide to go forward with this then I would make you a formal quote and supply a "Sole Source Letter", The system comes with a full day of

training by retired FBI Bomb tech (CAT-A Training), 2 year full support and warranty and extended Loss Warranty on the tablet.

There is also a link for you to see photos of the system [Tactical CAsE](#)

Call me any time you have any questions.

QTY. (EA)	Family / Type	Mfr Part#		Item Name
1	Software	SEC	003	Cuattro Tactical / Bomb Tech Software
1	Detector	SEC	002	Tactical Wireless, Glass - Free Flat Panel Detector, 25cmx30cm (GOS)
1	Console	SEC	001	Tactical Windows GO3 tablet
1	Accessories	SEC	004G	Tactical Case for 1012 detector and SurfaceGO
1	Accessories	MISC		USB-A to Ethernet, USB-A to USB-C, USB-C Wi-Fi, etc
1	Onsite Training	SEC	027	Onsite Training
1	Warranty	SEC	027	Tablet Extended Warranty
1	Shipping	Shipping		UPS Shipping
Total		\$42,833.20		



Mark Skeels
 Imaging Device R&D
 150 Capital Drive, Suite 280
 Golden, CO 80401
 C: 973.294.4363
mskeels@cuattro.com



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No.

Ratifying an Emergency Purchase Affidavit to Purchase a 2023 Ford Escape Hybrid for the Building Management Department

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Henry Thompson, 630-762-2174

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$46,733
If not budgeted, explain funding source:	

Summary:

Ratifying an Emergency Purchase Affidavit to purchase a 2023 Ford Escape Hybrid from Hennessy's River View Ford of Oswego in the amount of \$46,733.



RESOLUTION/ORDINANCE EXECUTIVE SUMMARY

Resolution: No.

Ratifying an Emergency Purchase Affidavit to Purchase a 2023 Ford Escape Hybrid for the Information Technologies Department

Committee Flow: Administration Committee, Finance and Budget Committee, Executive Committee, County Board

Contact: Charles Lasky, 630-232-5827

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$43,376
If not budgeted, explain funding source:	

Summary:

Ratifying an Emergency Purchase Affidavit to purchase a 2023 Ford Escape Hybrid from Hennessy's River View Ford of Oswego in the amount of \$43,376.



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

Authorizing the Number of Procurement Cards Issued to the Kane County Law Library and Each of Their Transaction Limits

Committee Flow:

Judicial Public Safety Committee, Finance and Budget Committee

Contact:

Halle Cox, 630.406.7126

Budget Information:

Was this item budgeted? N/A	Appropriation Amount: \$N/A
If not budgeted, explain funding source: N/A	

Summary:

Per the P-Card policy, each year the number of P-Cards and the transaction limits established for each County department/office shall be approved annually by the standing committee to which the department/office reports by the Finance Committee.