



FLOSSMOOR

Welcoming. Beautiful. Connected.

Village of Flossmoor
2800 Flossmoor Road
Flossmoor, Illinois 60422
Phone: 708.798.2300
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www.flossmoor.org

Mayor
Michelle I. Nelson

Trustees
Joni Bradley-Scott
Gary Daggett
Brian Driscoll
Rosalind Henderson Mustafa
George Lofton
James Mitros

Village Clerk
Gina A. LoGalbo

Village Manager
Bridget A. Wachtel

AGENDA
FOR THE REGULAR MEETING OF THE BOARD OF TRUSTEES
OF THE VILLAGE OF FLOSSMOOR, ILLINOIS
MONDAY, NOVEMBER 6, 2023 – 7:30 PM
VILLAGE HALL

Join Zoom Meeting

<https://us02web.zoom.us/j/81132680544?pwd=ZSs4dWc5WTc3MFk1NERLS1cyUzNwUT09>

ID: 811 3268 0544 Passcode: 60422 Or join by phone (312) 626-6799

CALL TO ORDER

ROLL CALL

RECOGNITIONS AND APPOINTMENTS

- 1. A Proclamation Declaring National Nurse Practitioner Week**
- 2. A Proclamation Declaring November as National Diabetes Month**
- 3. Consideration of Reappointments to the Green Commission**
- 4. Consideration of a Reappointment to Chair of the Community Relations Commission**

CONSENT AGENDA

- 5. Approval of the Minutes of the Regular Meeting Held on October 16, 2023**
- 6. Presentation of Bills for Approval and Payment as Approved by the Finance Committee (November 6, 2023)**
- 7. Consideration of a Resolution of the Village Of Flossmoor, Rich and Bloom Townships, Cook County, Illinois, in Support of Class 8 (19805 Crawford Avenue)**
- 8. Consideration of Resolution Amending the Budget for Fiscal Year 23-24 for the Village of Flossmoor**
- 9. Consideration of a Contract and Budget Amendment to Purchase De-icing Rock Salt from Cargill, Inc.**

10. Consideration of a Contract Award and Budget Amendment for the Fire Department Women's Locker Room Project
11. Consideration of Replacement of Police Department Laptop Computers
12. Consideration of a Contract and Budget Amendments for the Phase 2 Engineering for the CBD Roadway, Pedestrian and Streetscape Improvements Project
13. Consideration of a Resolution Approving an Agreement between the Village of Flossmoor and the Office of the Illinois Attorney General

REPORTS OF COMMITTEES, COMMISSIONS AND BOARDS**ACTION ITEMS****DISCUSSION ITEMS**

14. Consideration of Approval of the 2023 Tax Levy Estimate

CITIZENS PRESENT WISHING TO ADDRESS THE BOARD**OTHER BUSINESS**

15. A Motion to go into Executive Session to Discuss the Employment of Specific Individuals, Property Acquisition, and Litigation

ADJOURNMENT OF MEETING

FOR PERSONS WITH DISABILITIES: If you plan on attending a Village Board meeting and need an accommodation, please call the Village Hall at 708-798-2300 or TDD 708-647-0179 at least one full business day prior to the meeting.

A PROCLAMATION DECLARING NATIONAL NURSE PRACTITIONER WEEK

WHEREAS, nurse practitioners (NPs) play a critical role as trusted providers of health care for patients in our state; and,

WHEREAS, NPs work to expand health care access in underserved communities, promote health equity in care and improve health outcomes for all; and,

WHEREAS, patients depend on the more than 355,000 licensed NPs in the United States, and 14,689 in Illinois, to diagnose, manage and treat their chronic and acute health care conditions; and,

WHEREAS, NPs provide high-quality primary, acute and specialty health care services while emphasizing health promotion, disease prevention, health education and counseling, guiding patients to make smarter health and lifestyle choices every day; and,

WHEREAS, the confidence that patients have in NP-delivered health care is evidenced by the more than 1 billion visits made annually to NPs across the country; and,

WHEREAS, more than five decades of research demonstrates the high quality of care provided by NPs; and,

WHEREAS, better utilization of NPs through modernized state laws and improved policies creates better health through a more accessible, efficient, cost-effective and higher-quality health care system; and,

WHEREAS, more than half the nation - including 27 states, the District of Columbia, Guam and the Northern Mariana Islands - has adopted Full Practice Authority legislation, offering patients full and direct access to the outstanding care provided by NPs; and,

WHEREAS, leading governmental and policy entities, including the National Academy of Medicine, National Council of State Boards of Nursing, National Governors Association and Federal Trade Commission, have taken notice of the benefits of providing patients full and direct access to NP-delivered care; and,

WHEREAS, NPs serve as the provider of choice for many Illinoisans and play a pivotal role in the health and welfare of our communities; and,

WHEREAS, Illinois is proud to recognize and honor the service of NPs to our state; and,

BE IT RESOLVED, therefore, I, Michelle I. Nelson, Mayor of Flossmoor, hereby declare November 12-18, 2023, as

“National Nurse Practitioner Week”

in Flossmoor in recognition of the countless contributions NPs have made over the past half century and

***A PROCLAMATION DECLARING NATIONAL NURSE
PRACTITIONER WEEK***

will continue to make on behalf of the health and well-being of residents in our state.

Dated this 6th day of November 2023

Michelle Nelson, Mayor

**A PROCLAMATION DECLARING NOVEMBER AS NATIONAL
DIABETES MONTH**

WHEREAS, *Diabetes is a serious condition and a leading cause of death by disease that has reached epidemic proportions; and,*

WHEREAS, *more than 34 million American adults are living with diabetes, and an estimated 88 million more may be at risk of developing the disease; and,*

WHEREAS, *during National Diabetes Month, we draw awareness to all forms of this dangerous condition, including Type 1, Type 2, gestational diabetes and prediabetes; and,*

WHEREAS, *diabetes is a serious condition that can lead to blindness, heart attack, stroke, kidney failure, amputations and other serious health problems; and,*

WHEREAS, *diabetes affects people from all walks of life, young and old alike, with minority populations in the United States having an increased risk for developing the disease; and,*

WHEREAS, *early detection and proper treatment of diabetes can lead to a longer, healthier life; and,*

NOW, THEREFORE, *I, Michelle I. Nelson, Mayor of Flossmoor, do hereby proclaim November 2023 as National Diabetes Month in Flossmoor, Illinois.*

I call upon all Flossmoor residents, school systems, government agencies, nonprofit organizations, health care providers, research institutions, and other interested groups to join in activities that raise diabetes awareness and help prevent, treat, and manage the disease.

Dated this 6th day of November 2023

Michelle Nelson, Mayor

TO: Mayor Nelson and Board of Trustees
FROM: Bridget Wachtel, Village Manager
DATE: November 6, 2023
SUBJECT: Consideration of Reappointments to the Green Commission



With the Board's consent, at the Village Board meeting on Monday, November 6, 2023, Mayor Nelson will be re-appointing Tristan Shaw and Ernie Ratowitz to the Green Commission for a three year term.

If you have any questions or concerns regarding these appointments, please contact Mayor Nelson before Monday evening.

TO: Mayor Nelson and Board of Trustees
FROM: Bridget Wachtel, Village Manager
DATE: November 6, 2023
**SUBJECT: Consideration of a Reappointment to Chair of the
Community Relations Commission**



With the Board's consent, at the Village Board meeting on Monday, November 6, 2023, Mayor Nelson will be re-appointing Phillippa Leon-Thompson to Chair of the Community Relations Commission for a three year term.

If you have any questions or concerns regarding this appointment, please contact Mayor Nelson before Monday evening.



Approval of the Minutes of the Regular Meeting Held on October 16, 2023

The Minutes will be made available to the Public on the Village website, www.flossmoor.org following their adoption at a scheduled meeting.

VILLAGE OF FLOSSMOOR
11/6/2023
CLAIMS LIST SUMMARY

HAND CHECKS
INVOICES

\$118,000.80
\$1,512,919.93

TOTAL

\$1,630,920.73

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name	Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
JASON F. DANIELIAN	100323	10/03/23	\$1,250.00		IN-HOUSE EMS LEGAL CLASS	01-49-5-663	FIRE TUITION AND FEES	\$1,250.00
							VENDOR TOTAL:	\$1,250.00
ACCURATE BIOMETRICS INC.	212472307	07/31/23	\$316.25		FINGERPRINTING SERVICES 7/1/23-7/31/23	01-49-4-636	PRE-EMPLOYMENT PHYSICALS	\$316.25
							VENDOR TOTAL:	\$316.25
AIDE RENTALS AND SALES	3452752	10/04/23	\$694.93		SLIT SEEDER RENTAL	01-60-4-651 08-11-4-630	EQUIPMENT RENTAL	\$600.00
							EQUIPMENT RENTAL	\$94.93
							VENDOR TOTAL:	\$694.93
AIR ONE EQUIPMENT INC	199218 198769 198770 198988 199074	10/19/23 10/06/23 10/06/23 10/12/23 10/16/23	\$497.50 \$79.00 \$79.00 \$32.00 \$3,127.50		SCBA COMPRESSOR REPAIR 4-CYCLE FUEL 50:1 PREMIX FUEL CO METER BATTERIES FIRE/RESCUE GLOVES	01-49-6-674 01-49-6-674 01-49-6-674 01-49-6-674 01-49-3-612	EQUIP MAINTENANCE & SUPPLIES	\$497.50
							EQUIP MAINTENANCE & SUPPLIES	\$79.00
							EQUIP MAINTENANCE & SUPPLIES	\$79.00
							EQUIP MAINTENANCE & SUPPLIES	\$32.00
							UNIFORMS & RELATED SUPPLIES	\$3,127.50
							VENDOR TOTAL:	\$3,815.00

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name		Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
AL WARREN OIL COMPANY INC		W1578668	07/24/23	\$1,299.64		DPW DIESEL TANK	01-60-3-608	PETROLEUM PRODUCTS	\$465.36
							08-11-3-608	PETROLEUM PRODUCTS	\$216.49
							08-21-3-608	PETROLEUM PRODUCTS	\$273.00
							01-49-3-608	PETROLEUM PRODUCTS	\$344.79
W1587077			08/24/23	\$1,912.13		VH DIESEL TANK	01-60-3-608	PETROLEUM PRODUCTS	\$14.31
							08-11-3-608	PETROLEUM PRODUCTS	\$13.89
							08-21-3-608	PETROLEUM PRODUCTS	\$13.89
							01-49-3-608	PETROLEUM PRODUCTS	\$1,870.04
W1589387			09/05/23	\$3,255.89		VILLAGE GAS	01-55-3-608	PETROLEUM PRODUCTS	\$121.64
							01-60-3-608	PETROLEUM PRODUCTS	\$450.74
							08-11-3-608	PETROLEUM PRODUCTS	\$298.40
							08-21-3-608	PETROLEUM PRODUCTS	\$277.10
		01-48-3-608	PETROLEUM PRODUCTS	\$1,645.65					
		01-49-3-608	PETROLEUM PRODUCTS	\$462.36					
W1589388			09/05/23	\$1,374.62		DPW DIESEL TANK	01-60-3-608	PETROLEUM PRODUCTS	\$504.87
							08-11-3-608	PETROLEUM PRODUCTS	\$127.71
							08-21-3-608	PETROLEUM PRODUCTS	\$148.66
							01-49-3-608	PETROLEUM PRODUCTS	\$593.38
W1591595			09/12/23	\$1,948.16		VILLAGE GAS	01-55-3-608	PETROLEUM PRODUCTS	\$44.59
							01-60-3-608	PETROLEUM PRODUCTS	\$185.46
							08-11-3-608	PETROLEUM PRODUCTS	\$153.52
							08-21-3-608	PETROLEUM PRODUCTS	\$131.80
		01-48-3-608	PETROLEUM PRODUCTS	\$1,159.61					
		01-49-3-608	PETROLEUM PRODUCTS	\$273.18					
W1593003			09/18/23	\$2,348.28		VILLAGE GAS	01-55-3-608	PETROLEUM PRODUCTS	\$77.37
							01-60-3-608	PETROLEUM PRODUCTS	\$438.24
							08-11-3-608	PETROLEUM PRODUCTS	\$277.15
							08-21-3-608	PETROLEUM PRODUCTS	\$238.46
		01-48-3-608	PETROLEUM PRODUCTS	\$961.11					
		01-49-3-608	PETROLEUM PRODUCTS	\$355.77					
W1595214			09/26/23	\$1,858.17		VILLAGE GAS			6
									119.00
Communication: Presentation of Bills for Approval and Payment as Approved by the Finance Committee (November 6, 2023) (CONSENT									

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name		Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
W1595215			09/26/23	\$1,960.30		DPW DIESEL TANK	01-60-3-608	PETROLEUM PRODUCTS	\$399.54
							08-11-3-608	PETROLEUM PRODUCTS	\$194.94
							08-21-3-608	PETROLEUM PRODUCTS	\$162.32
							01-48-3-608	PETROLEUM PRODUCTS	\$698.13
							01-49-3-608	PETROLEUM PRODUCTS	\$284.22
							01-60-3-608	PETROLEUM PRODUCTS	\$893.28
							08-11-3-608	PETROLEUM PRODUCTS	\$350.58
							08-21-3-608	PETROLEUM PRODUCTS	\$350.58
							01-49-3-608	PETROLEUM PRODUCTS	\$365.86
									VENDOR TOTAL:
ALLSCAPE INCORPORATED		231034	09/30/23	\$5,185.00		ALL LANDSCAPE SERVICE COMPLETE & APPROVED - CONTRACT LANDSCAPE			
							01-60-6-678	LANDSCAPE MAINTENANCE	\$5,185.00
							VENDOR TOTAL:		\$5,185.00

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
AMAZON CAPITAL SERVICES							
1WL1Q6G91LMQ	10/18/23	\$141.88		SHOES-BERK	01-49-3-612	UNIFORMS & RELATED SUPPLIES	\$141.88
1T6QNG116CTJ	09/26/23	\$265.95		HDMI EXTENDER SPLITTER	01-49-3-621	COMMUNICATIONS EQUIPMENT	\$265.95
1XFFXCG13T71	10/05/23	\$51.93		FIRE ALARM PANEL/ELECTRICAL ROOM DANGER SIGNS	01-60-3-618	SAFETY EQUIPMENT & SUPPLIES	\$17.31
					08-11-3-618	SAFETY EQUIPMENT & SUPPLIES	\$17.31
					08-21-3-618	SAFETY EQUIPMENT & SUPPLIES	\$17.31
1PWDJTTK3YYH	10/05/23	\$96.89		PINK RIBBON BREAST CANCER AWARENESS PINS	01-42-4-633	WELLNESS COMMITTEE	\$96.89
1JTMLDAPQMY4K	10/08/23	\$63.24		WATER METER VAN CLIPBOARD/CALENDAR/RUBBER BANDS	08-11-3-601	OFFICE SUPPLIES	\$24.79
					01-55-3-601	OFFICE SUPPLIES	\$31.26
					01-55-3-601	OFFICE SUPPLIES	\$7.19
19TXN6PYC4YY	10/10/23	\$235.00		CLEANING SUPPLIES	01-49-3-616	CLEANING SUPPLIES	\$235.00
1D7YT3TGFHT3	10/10/23	\$149.99		BATTERY BACKUP & SURGE PROTECTOR-DPW SERVER ROOM	01-55-3-607	COMPUTER EQUIPMENT & SUPPLIES	\$149.99
1HJT9P9X6LIP	10/12/23	\$149.99		WORK BOOTS-HOFFNER	01-49-3-612	UNIFORMS & RELATED SUPPLIES	\$149.99
1K9MPT6F9N1Q	10/19/23	\$509.62		KEYPAD REPLACEMENT/SCBA READER/CAPT REPLACEMENT UPS	01-67-3-605	OPERATING SUPPLIES	\$359.99
					01-49-3-607	COMPUTER EQUIPMENT & SUPPLIES	\$29.98
					01-49-6-673	COMPUTER NETWORK MAINTENANCE	\$119.65
1Q1QNCRYDCWX	10/22/23	\$162.44		SOLAR LANDSCAPE SPOTLIGHTS/IPAD CASE	01-55-3-607	COMPUTER EQUIPMENT & SUPPLIES	\$162.44
171FX7NVJ4TQ	10/23/23	\$294.98		CARHARTT JACKETS	01-49-3-612	UNIFORMS & RELATED SUPPLIES	\$294.98
137L43PH4TFJ	10/25/23	\$30.69		PAPER BAGS/SPIDER RINGS-HALLOWEEN GIVEAWAYS			
16QV9J3N6D76	10/25/23	\$107.76		WINCH FAIRLEAD/CABLE HOOK/ROPE	01-49-6-674	EQUIP MAINTENANCE & SUPPLIES	\$107.76
VENDOR TOTAL:							\$2,260.36

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name	Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
ANDRES MEDICAL BILLING, LTD	102023FMIL	09/30/23	\$2,625.95		AMBULANCE COLLECTIONS SEPTEMBER 2023	01-49-4-656	AMBULANCE COLLECTION SERVICES	\$2,625.95
							VENDOR TOTAL:	\$2,625.95
ANDREWS PRINTING LLC	73372	10/04/23	\$130.00		FALL/WINTER SCHEDULE POST CARDS	01-41-4-653	MARKETING PROGRAMS	\$130.00
							VENDOR TOTAL:	\$130.00
BENCHMARK CONSTRUCTION CO	#5 & FINAL	10/18/23	\$289,998.63		PH4 SANITARY REHAB PAYOUT #5 & FINAL	09-53-7-704	CONSTRUCTION	\$289,998.63
							VENDOR TOTAL:	\$289,998.63
BENISTAR	11012023	10/06/23	\$954.00		NOVEMBER 2023 PREMIUM-RETIREES	01-00-0-219	HEALTH INSURANCE PAYABLE	\$954.00
							VENDOR TOTAL:	\$954.00
THE BISTRO ON STERLING	100523	10/05/23	\$140.00		FLOSSMOOR FEST EMPLOYEE MEALS	01-41-4-650	FLOSSMOOR FEST	\$140.00
							VENDOR TOTAL:	\$140.00
BLACKBURN MFG. CO.	0718568IN	10/03/23	\$700.46		RESTOCK MARKING FLAGS AND PAINT	01-60-3-618	SAFETY EQUIPMENT & SUPPLIES	\$233.48
							SAFETY EQUIPMENT & SUPPLIES	\$233.49
							SAFETY EQUIPMENT & SUPPLIES	\$233.49
							VENDOR TOTAL:	\$700.46
BLUE-COLLAR SUPPLY CO.	31742	10/05/23	\$26.09		D/APICE UNIFORMS & SAFETY GLASSES	01-60-3-612	UNIFORMS & RELATED SUPPLIES	\$13.49
							SAFETY EQUIPMENT & SUPPLIES	\$12.60
							UNIFORMS & RELATED SUPPLIES	\$89.99
							VENDOR TOTAL:	\$116.08

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name		Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
BMO FINANCIAL GROUP									
BERK 101523		10/15/23		\$108.80		ZOLL MEDICAL-BOARD ROOM AED	01-49-6-675	EMS EQUIPMENT MAINTENANCE	\$108.80
BOGUE 101523		10/15/23		\$3,205.91		RING OF MUSIC-FEST/CANVA-SUBSCRIPTION/LEGACY PROJECT-PROF DEV/PARK ONE-PARKING IML/JUAN LUCERO-NAT HI	01-41-4-650 01-41-4-653 01-42-5-661 01-42-5-661 01-41-4-652	FLOSSMOOR FEST MARKETING PROGRAMS TRAINING TRAINING COMMUNITY SERVICE ACTIVITIES	\$2,750.00 \$14.91 \$50.00 \$16.00 \$375.00
MILOVANOVIC 1015		10/15/23		\$50.00		CONSERVATION FOUNDATION-PUBLIC ROADS DE-ICING WORKSHOP	01-55-5-661	TRAINING	\$50.00
KORTUM 101523		10/15/23		\$103.74		SAMS CLUB-OCT WELLNESS APPLES	01-42-4-633	WELLNESS COMMITTEE	\$103.74
TAYLOR 101523		10/15/23		\$208.39		KINGSBERRY WAFFLE-GRANT WRITTING MTG/IL ASSN CHIEFS OF POLICE-FILKINS MEMBERSHIP	01-48-3-611 01-48-5-660	SPECIAL POLICE COMMODITIES DUES AND SUBSCRIPTIONS	\$93.39 \$115.00
WEGMANN 101523		10/15/23		\$482.38		IDPH-CAGLE EMT/BEST BUY-KEYBOARDS/NIXNAX-SHIRT JONES/SAMS-PLATES/MEDJER-POSTER FRAME/WALMART-LOCKER	01-48-5-660 01-48-3-607 01-48-3-612 01-48-3-611 01-48-3-611 01-48-3-615	DUES AND SUBSCRIPTIONS COMPUTER EQUIPMENT & SUPPLIES UNIFORMS & RELATED SUPPLIES SPECIAL POLICE COMMODITIES SPECIAL POLICE COMMODITIES SMALL TOOLS & EQUIPMENT	\$21.00 \$78.43 \$55.00 \$65.84 \$16.49 \$245.62
WACHTEL 101523		10/15/23		\$2,124.26		ZOOM/RETAIL LIVE/ICMA CONFERENCE HOTEL, MEALS, TRANSPORTATION	01-42-4-645 01-41-5-661 01-42-5-661 01-42-5-661 01-42-5-661 01-42-5-661 01-42-5-661 01-42-5-661 01-42-5-661 01-42-5-661	WEBSITE APPLICATIONS TRAINING TRAINING TRAINING TRAINING TRAINING TRAINING TRAINING TRAINING TRAINING	\$189.90 \$347.00 \$15.33 \$21.92 \$26.00 \$32.00 \$25.65 \$28.58 \$1,437.88
VENDOR TOTAL:									\$6,283.49

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name		Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
JONATHAN BOGUE		092023	10/16/23	\$67.33		REIMBURSE MILEAGE SEPT 2023-IML CONF/GMP PARTNER CONF	01-42-5-661	TRAINING	\$67.33
VENDOR TOTAL:									\$67.33
BRITES TRANSPORTATION LLC		82660	09/08/23	\$1,236.00		HAUL SPOIL	01-60-4-650	SPOIL DISPOSAL	\$1,236.00
82661		09/08/23		\$371.86		GRADE 8 STONE	08-11-6-675	WATER SYSTEM MAINT & REPAIRS	\$185.93
							08-12-3-619	PROGRAM COMMODITIES	\$185.93
82691		09/13/23		\$968.99		3/4" STOCK STONE DELIVERY	08-11-6-675	WATER SYSTEM MAINT & REPAIRS	\$484.49
							08-12-3-619	PROGRAM COMMODITIES	\$484.50
82725		09/18/23		\$944.05		3/4" STOCK STONE DELIVERY	08-11-6-675	WATER SYSTEM MAINT & REPAIRS	\$472.02
							08-12-3-619	PROGRAM COMMODITIES	\$472.03
82759		09/25/23		\$513.29		3/4" STOCK STONE	08-11-6-675	WATER SYSTEM MAINT & REPAIRS	\$256.64
							08-12-3-619	PROGRAM COMMODITIES	\$256.65
VENDOR TOTAL:									\$4,034.19
BUILDING AUTOMATION SOLUTIONS		S12084555	10/04/23	\$1,207.00		GUN RANGE HVAC REPAIR	01-67-6-678	BUILDING REPAIRS	\$1,207.00
VENDOR TOTAL:									\$1,207.00
CANON SOLUTIONS AMERICA , INC.		6005641056	09/27/23	\$325.80		BUILDING DEPT COPIER MAINT USAGE 6/27/23-9/26/23	01-53-6-670	OFFICE EQUIPMENT MAINTENANCE	\$325.80
6005643451		09/27/23		\$11.60		BUILDING DEPT COPIER MAINT BASE 9/27/23-10/26/23	01-53-6-670	OFFICE EQUIPMENT MAINTENANCE	\$11.60
6005643456		09/27/23		\$11.60		FIRE DEPT COPIER MAINT BASE 9/27/23-10/26/23	01-49-6-677	EQUIPMENT SERVICE CONTRACTS	\$11.60
6005641059		09/27/23		\$168.52		FIRE DEPT COPIER MAINT USAGE 6/27/23-9/26/23	01-49-6-677	EQUIPMENT SERVICE CONTRACTS	\$168.52
VENDOR TOTAL:									\$517.52

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
CAPS TEES 2603	10/17/23	\$710.00		FD T-SHIRTS-BREAST CANCER AWARENESS	01-49-3-612	UNIFORMS & RELATED SUPPLIES	\$710.00
						VENDOR TOTAL:	\$710.00
CDW GOVERNMENT, INC. MJ60329	10/04/23	\$350.11		NETWORK AUDIO PORT	01-49-3-607	COMPUTER EQUIPMENT & SUPPLIES	\$350.11
						VENDOR TOTAL:	\$350.11
CE SOLUTIONS 236416	10/23/23	\$218.00		MERKLE/BAPP ANNUAL CEU PROGRAM RENEWAL	01-48-5-660	DUES AND SUBSCRIPTIONS	\$218.00
						VENDOR TOTAL:	\$218.00
CHANDLER SERVICES INC 29638	10/16/23	\$1,559.53		SQ19 PREV MAINT & REPAIRS	01-49-6-671	VEHICLE MAINTENANCE	\$1,559.53
29642	10/16/23	\$1,207.72		E19 PREV MAINT & REPAIRS	01-49-6-671	VEHICLE MAINTENANCE	\$1,207.72
						VENDOR TOTAL:	\$2,767.25
CHESTERFIELD AWNING CO 797FNLINV	09/29/23	\$7,995.00		VH ALUMINUM STRAIGHT AWNING W/GUTTER	01-67-6-678	BUILDING REPAIRS	\$7,995.00
						VENDOR TOTAL:	\$7,995.00
CHICAGO COMMUNICATIONS, LLC. 347362	10/06/23	\$94.80		RADIO MAINTENANCE NOVEMBER 2023	01-50-6-676	RADIO SYSTEM MAINTENANCE	\$94.80
						VENDOR TOTAL:	\$94.80
CHICAGO TRIBUNE 080172410000	10/30/23	\$1,146.00		19509 GOVERNORS-DAYCARE/WLR RENOVATION BID/TREASURER'S REPORT	01-45-4-638	ADVERTISING	\$75.00
						ADVERTISING	\$189.00
					01-43-4-638	ADVERTISING	\$882.00
						VENDOR TOTAL:	\$1,146.00

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Vendor Name	Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
CLARKS GARDEN CENTER & STONE DEPOT								
0447		10/17/23	\$315.00		MULCH FOR TREE PLANTING	01-62-6-677	PROGRAM MAINTENANCE	\$315.00
VENDOR TOTAL: \$315.00								
COMED								
1498044037	100223	10/02/23	\$24.89		WESTERN TOWER POWER 8/31/23-10/2/23	08-11-4-631	ELECTRIC, POWER, AND LIGHT	\$24.89
5007104015	100223	10/02/23	\$582.86		WOODS LIFT STATION POWER 8/31/23-10/2/23	08-21-4-631	ELECTRIC, POWER, & LIGHT	\$582.86
0157098050	102323	10/23/23	\$76.70		HOMEWOOD METER VAULT POWER 9/22/23-10/23/23	08-11-4-631	ELECTRIC, POWER, AND LIGHT	\$76.70
0275053104	102323	10/23/23	\$369.93		DARTMOUTH LIFT STATION POWER 9/22/23-10/23/23	08-21-4-631	ELECTRIC, POWER, & LIGHT	\$369.93
0765165035	102323	10/23/23	\$135.70		SYLVAN LIFT STATION POWER 9/22/23-10/23/23	08-21-4-631	ELECTRIC, POWER, & LIGHT	\$135.70
0811073024	102323	10/23/23	\$592.03		COMMONS/MEINHETT POWER 9/22/23-10/23/23	08-11-4-631	ELECTRIC, POWER, AND LIGHT	\$592.03
0825150052	102323	10/23/23	\$162.65		COMMONS LIFT STATION POWER 9/22/23-10/23/23	08-21-4-631	ELECTRIC, POWER, & LIGHT	\$162.65
3288088052	101823	10/18/23	\$24.42		CBD PEDESTAL POWER 9/19/23-10/18/23	40-33-4-634	MISCELLANEOUS SERVICES	\$24.42
0307096073	101823	10/18/23	\$58.21		CENTRAL DR ALLEY LIGHTS POWER 9/19/23-10/18/23	02-01-4-630	ELECTRIC, POWER, AND LIGHT	\$58.21
0241031023	101823	10/18/23	\$94.77		HEATHER ROAD LIFT STA POWER 9/19/23-10/18/23	08-21-4-631	ELECTRIC, POWER, & LIGHT	\$94.77
0323080253	101823	10/18/23	\$25.19		STERLING TOWER POWER 9/19/23-10/18/23	08-11-4-631	ELECTRIC, POWER, AND LIGHT	\$25.19
2154154035	102323	10/23/23	\$1,122.03		MFT STREET LIGHT POWER 9/19/23-10/18/23	02-01-4-630	ELECTRIC, POWER, AND LIGHT	\$1,122.03
VENDOR TOTAL: \$3,269.38								
CONSERV FS, INC.								
66056009		10/02/23	\$1,425.00		GRASS SEED RESTOCK	08-12-3-619	PROGRAM COMMODITIES	\$475.00
						08-22-3-619	PROGRAM COMMODITIES	\$475.00
						09-01-3-620	GROUND REPAIR MATERIAL	\$475.00
VENDOR TOTAL: \$1,425.00								

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Vendor Name Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
CORE & MAIN LP Y602704	09/22/23	\$5,160.00		1" WATER METERS	08-11-6-672	WATER METERS AND ROMS	\$5,160.00
	09/29/23	\$1,947.20		8" VALVE	08-11-6-675	WATER SYSTEM MAINT & REPAIRS	\$973.60
					08-13-3-619	PROGRAM COMMODITIES	\$973.60
	09/27/23	\$14.00		WASHERS	08-13-3-619	PROGRAM COMMODITIES	\$14.00
VENDOR TOTAL:							\$7,121.20
COZZINI BROS							
C14199309	10/12/23	\$284.00		YEARLY KNIFE EXCHANGE	28-01-4-634	MISCELLANEOUS SERVICES	\$284.00
VENDOR TOTAL:							\$284.00
RICHARD G. CRUSOR, JR.							
101223	10/12/23	\$450.00		ADMIN HEARING OFFICER 9/28/23	01-44-4-646	LOCAL ADJUDICATION SERVICES	\$450.00
VENDOR TOTAL:							\$450.00
EAGLE UNIFORM CO INC							
INV17775	10/16/23	\$11.00		NAME STRIP-BAPP	01-48-3-612	UNIFORMS & RELATED SUPPLIES	\$11.00
INV17809	10/17/23	\$36.00		UNIFORM-WEAVER VEST REPAIRS	01-48-3-612	UNIFORMS & RELATED SUPPLIES	\$36.00
INV17900	10/23/23	\$150.00		MERKLE UNIFORM	01-48-3-612	UNIFORMS & RELATED SUPPLIES	\$150.00
INV17691	10/11/23	\$180.00		UNIFORM KOPEC	01-49-3-612	UNIFORMS & RELATED SUPPLIES	\$180.00
VENDOR TOTAL:							\$377.00
EBEL'S ACE HARDWARE							
349745	10/05/23	\$23.91		ZIPTIES/MOUNTING TAPE	01-49-3-605	OPERATING SUPPLIES	\$23.91
349792	10/14/23	\$21.48		FASTENERS/SPRAY PAINT	01-48-3-611	SPECIAL POLICE COMMODITIES	\$21.48
349753	10/06/23	\$279.00		POWER WASHER	01-48-3-615	SMALL TOOLS & EQUIPMENT	\$279.00
VENDOR TOTAL:							\$324.39

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Vendor Name		Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
EJ USA INC.		110230072974	09/30/23	\$1,360.55		WATER CLAMPS	08-11-6-675	WATER SYSTEM MAINT & REPAIRS	\$680.27
							08-13-3-619	PROGRAM COMMODITIES	\$680.28
							VENDOR TOTAL:		\$1,360.55
ELECTRICAL SYSTEMS INC		10959	10/12/23	\$1,441.80		ELECTRIC WORK IN MEINHETT WATER TOWER	01-67-4-634	MISCELLANEOUS SERVICES	\$720.90
							08-11-6-677	WATER FACILITY MAINTENANCE	\$720.90
							VENDOR TOTAL:		\$1,441.80
ELMER & SON LOCKSMITHS INC		411911	10/16/23	\$254.46		RE-STOCK PAD-LOCKS	01-67-3-605	OPERATING SUPPLIES	\$254.46
		411810	10/11/23	\$121.20		RESTOCK BRASS VEHICLE KEY TAGS	01-60-6-671	MAINTENANCE AND SUPPLIES	\$30.30
							08-11-6-671	MAINTENANCE AND SUPPLIES	\$30.30
							08-21-6-671	MAINTENANCE AND SUPPLIES	\$30.30
							01-48-6-671	VEHICLE MAINTENANCE & SUPPLIES	\$30.30
							VENDOR TOTAL:		\$375.66
EVT TECHNOLOGIES		6708	10/06/23	\$585.00		A19 KUSSMAUL REPLACEMENT	01-49-6-671	VEHICLE MAINTENANCE	\$585.00
							VENDOR TOTAL:		\$585.00
EXPERT CHEMICAL & SUPPLY INC		958856	10/09/23	\$520.34		RESTOCK PAPER PRODUCTS	01-67-3-605	OPERATING SUPPLIES	\$520.34
							VENDOR TOTAL:		\$520.34
FIRECOM		INV347773	10/10/23	\$375.00		VEHICLE HEADSET REPAIR	01-49-3-621	COMMUNICATIONS EQUIPMENT	\$375.00
							VENDOR TOTAL:		\$375.00

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Vendor Name	Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
FITZSIMMONS	6331819	10/16/23	\$15.00		H TANK RENTAL	01-49-6-675	EMS EQUIPMENT MAINTENANCE	\$15.00
							VENDOR TOTAL:	\$15.00
FLOSSMOOR STATION RESTAURANT	101723	10/17/23	\$430.00		FEST 2023 EMPLOYEE MEALS	01-41-4-650	FLOSSMOOR FEST	\$430.00
							VENDOR TOTAL:	\$430.00
FORT DEARBORN LIFE INSURANCE	NOVEMBER 2023	10/09/23	\$491.91		NOVEMBER 2023 PREMIUM	01-42-2-591	LIFE INSURANCE PREMIUM	\$39.35
							LIFE INSURANCE PREMIUM	\$54.11
							LIFE INSURANCE PREMIUM	\$19.68
							LIFE INSURANCE PREMIUM	\$152.49
							LIFE INSURANCE PREMIUM	\$54.11
							LIFE INSURANCE PREMIUM	\$34.43
							LIFE INSURANCE PREMIUM	\$29.51
							LIFE INSURANCE PREMIUM	\$108.23
							VENDOR TOTAL:	\$491.91
GALLAGHER MATERIALS CORP.	30971	10/03/23	\$293.04		ASPHALT MIX	01-68-3-619	PROGRAM COMMODITIES	\$73.26
							ASPHALT MIX	\$73.26
							ASPHALT MIX	\$73.26
							ASPHALT MIX	\$73.26
							VENDOR TOTAL:	\$293.04
GALLS, LLC	022924032	12/08/22	\$51.75		UNIFORMS & RELATED SUPPLIES-CAGLE	01-48-3-612	UNIFORMS & RELATED SUPPLIES	\$51.75
	025771872	09/25/23	\$72.93		RAIN COATS-CROSSING GUARDS	01-48-3-612	UNIFORMS & RELATED SUPPLIES	\$72.93
							VENDOR TOTAL:	\$124.68

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GASVODA & ASSOCIATES INC		INV23SVC0612	10/05/23	\$1,337.60		WOODS LIFT STATION PUMP REPAIRS	09-01-7-714	LIFT STATION REHAB	\$1,337.60
		INV23PTS0477	10/05/23	\$304.32		FILTER ELEMENT FOR LIFT STATIONS	09-01-6-683	LIFT STATION MAINTENANCE	\$304.32
							VENDOR TOTAL:		\$1,641.92
HARRIS COMPUTER SYSTEMS		FORMXT002950	10/23/23	\$741.81		2023 TAX FORMS W-2/1099			
							01-43-4-635	PRINTING	\$667.63
							08-10-4-635	PRINTING	\$37.09
							08-20-4-635	PRINTING	\$37.09
							VENDOR TOTAL:		\$741.81
HISKES, DILLNER, O'DONNELL,		19284	10/02/23	\$453.75		2021 NO CASH BID			
							01-44-4-644	OTHER LEGAL SERVICES	\$453.75
		19285	10/02/23	\$247.50		ACQUISITION/NO CASH BID-1835 DIXIE HWY, FLOSSMOOR			
							01-44-4-644	OTHER LEGAL SERVICES	\$247.50
							VENDOR TOTAL:		\$701.25
HOME DEPOT CREDIT SERVICES		8010537	09/21/23	\$27.92		STAKES TO MARK TREE PLANTING LOCATIONS			
							01-63-6-677	PROGRAM MAINTENANCE	\$27.92
							VENDOR TOTAL:		\$27.92
THE HORTON GROUP		110484	10/17/23	\$1,710.00		WELLNESS PARTICIPATION 10/1/23-12/31/23-REWARDS SEP 2023			
							01-42-2-592	EAP & WELLNESS PROGRAMS	\$25.40
							01-43-2-592	EAP & WELLNESS PROGRAMS	\$251.20
							01-48-2-592	EAP & WELLNESS PROGRAMS	\$1,141.70
							01-49-2-592	EAP & WELLNESS PROGRAMS	\$76.20
							01-50-2-592	EAP & WELLNESS PROGRAMS	\$50.80
							01-53-2-592	EAP & WELLNESS PROGRAMS	\$37.70
							01-55-2-592	EAP & WELLNESS PROGRAMS	\$25.40
							01-60-2-592	EAP & WELLNESS PROGRAMS	\$101.60
							VENDOR TOTAL:		\$1,710.00

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ILLINOIS ASSOCIATION OF CHIEFS									
	14457		10/01/23	\$265.00		MEMBERSHIP RENEWAL-CHIEF JONES	01-48-5-660	DUES AND SUBSCRIPTIONS	\$265.00
VENDOR TOTAL:									\$265.00
ILLINOIS STATE TOLL HIGHWAY									
	G125000008569		10/04/23	\$39.10		ACCT #196816241-DPW TOLLS 7/1/23-9/30/23	01-55-6-671	VEHICLE MAINTENANCE & SUPPLIES	\$12.45
							01-60-6-671	MAINTENANCE AND SUPPLIES	\$8.88
							08-11-6-671	MAINTENANCE AND SUPPLIES	\$8.88
							08-21-6-671	MAINTENANCE AND SUPPLIES	\$8.89
VENDOR TOTAL:									\$39.10
IMPRESSIONS IN STONE									
	12435		06/12/23	\$382.28		ENGRAVED BRICKS	27-01-3-619	PROGRAM COMMODITIES	\$382.28
VENDOR TOTAL:									\$382.28
INTERSTATE BATTERY OF CHICAGO									
	329257		08/28/23	\$(18.00)		D-14 BATTERY CORE RETURN CREDIT	01-60-6-671	MAINTENANCE AND SUPPLIES	\$(4.50)
							07-01-6-671	MAINTENANCE AND SUPPLIES	\$(4.50)
							08-11-6-671	MAINTENANCE AND SUPPLIES	\$(4.50)
							08-21-6-671	MAINTENANCE AND SUPPLIES	\$(4.50)
VENDOR TOTAL:									\$(18.00)

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Vendor Name	Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
J.M.D. SOX OUTLET	20230478	10/02/23	\$181.78		UNIFORM MCCARTHY	01-60-3-612	UNIFORMS & RELATED SUPPLIES	\$181.78
	20230481	10/05/23	\$98.42		TUCKER SAFETY BOOTS	01-60-3-618	SAFETY EQUIPMENT & SUPPLIES	\$32.80
						08-11-3-618	SAFETY EQUIPMENT & SUPPLIES	\$32.81
						08-21-3-618	SAFETY EQUIPMENT & SUPPLIES	\$32.81
	20230482	10/05/23	\$54.99		KAWALEC UNIFORM	01-60-3-612	UNIFORMS & RELATED SUPPLIES	\$54.99
	20230483	10/05/23	\$99.82		C.LANGFELD UNIFORM SOCKS, HATS, GLOVES	01-60-3-612	UNIFORMS & RELATED SUPPLIES	\$99.82
	20230484	10/05/23	\$10.06		JONES UNIFORM	01-60-3-612	UNIFORMS & RELATED SUPPLIES	\$10.06
K BROTHERS FENCE INC.	20230485	10/05/23	\$126.74		D'APICE UNIFORM	01-60-3-612	UNIFORMS & RELATED SUPPLIES	\$126.74
	20230486	10/05/23	\$154.64		RAMOS UNIFORM	01-60-3-612	UNIFORMS & RELATED SUPPLIES	\$154.64
							VENDOR TOTAL:	\$726.45
K BROTHERS FENCE INC.	20240026	10/05/23	\$36,439.00	2024-0026	PUBLIC WORKS SERVICE CENTER SECURITY FENCE INSTALLATION			
						01-67-7-766	502' OF 6' HIGH CHAINLINK FENCE W	\$36,439.00
							VENDOR TOTAL:	\$36,439.00
KANKAKEE NURSERY CO.	134322	10/16/23	\$3,950.00		PARKWAY TREES/LANDSCAPE BUSH			
						01-63-3-619	TREE PLANTING PROGRAM	\$3,840.00
						01-62-6-677	PROGRAM MAINTENANCE	\$110.00
							VENDOR TOTAL:	\$3,950.00

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KKWORX, INC. QTE22488	10/16/23	\$11,499.25		BARRACUDA DATA/EMAIL PROTECTION							
					01-42-6-673	COMPUTER HARDWARE MAINTENANCE	\$1,149.93				
					01-43-6-673	COMPUTER NETWORK MAINTENANCE	\$574.96				
					01-45-6-673	COMPUTER HARDWARE MAINTENANCE	\$344.98				
					01-48-6-673	COMPUTER NETWORK MAINTENANCE	\$3,104.80				
					01-49-6-673	COMPUTER NETWORK MAINTENANCE	\$4,254.72				
					01-50-6-673	COMPUTER NETWORK MAINTENANCE	\$344.98				
					01-53-6-673	COMPUTER NETWORK MAINTENANCE	\$344.98				
					01-55-6-673	COMPUTER NETWORK MAINTENANCE	\$1,379.90				
					VENDOR TOTAL:	\$11,499.25					
ERIKA KOKUMA 100923	10/09/23	\$198.24		WATER REFUND 3044 POLLY LN	08-00-0-130	ACCOUNTS RECEIVABLE - BILLED	\$198.24				
						VENDOR TOTAL:	\$198.24				
KONICA MINOLTA 9009590101	10/08/23	\$425.00		VH COPIER MAINTENANCE 10/8/23-11/7/23	01-43-6-670	OFFICE EQUIPMENT MAINTENANCE	\$425.00				
						VENDOR TOTAL:	\$425.00				
M.E. SIMPSON COMPANY, INC. 41062 41067	09/30/23	\$835.00 \$695.00		999 KEDZIE AVE LEAK LOCATION 999 KEDZIE AVE LEAK LOCATION	08-11-4-632	LEAK DETECTION PROGRAM	\$835.00				
						08-11-4-632	LEAK DETECTION PROGRAM	\$695.00			
										VENDOR TOTAL:	\$1,530.00
MARTIN WHALEN OFFICE SOLUTIONS IN4784723	10/16/23	\$149.41		TYPEWRITER MAINTENANCE 10/19/23-10/18/24	01-50-6-670	OFFICE EQUIPMENT MAINTENANCE	\$149.41				
						VENDOR TOTAL:	\$149.41				
MCKESSON MEDICAL SURGICAL 21171649	10/02/23	\$192.62		EMS SUPPLIES	01-49-3-622	EMS EQUIPMENT & SUPPLIES	\$192.6				
						VENDOR TOTAL:	\$192.6				

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MENARDS								
	94021	10/18/23	\$18.66		SHOE COVERS			
						08-11-3-605	OPERATING SUPPLIES	\$18.66
	94160	10/20/23	\$106.08		LUMBER 4X4'S			
						01-60-6-677	REPAIRS	\$106.08
							VENDOR TOTAL:	\$124.74
MENARD'S-HOMEWOOD								
	65113	10/18/23	\$189.00		PD KITCHEN FAUCET			
						01-67-3-620	REPAIR SUPPLIES	\$189.00
	65115	10/18/23	\$47.26		WELLNESS GIVE-AWAY PUMPKIN SEEDS			
						01-42-4-633	WELLNESS COMMITTEE	\$47.26
							VENDOR TOTAL:	\$236.26
MONARCH AUTO SUPPLY INC								
	6981607081	10/20/23	\$53.88		WINDSHIELD WASHER FLUID			
						01-49-6-671	VEHICLE MAINTENANCE	\$53.88
	6981604738	09/26/23	\$20.98		SQUAD 113 FREON REFILL			
						01-48-6-671	VEHICLE MAINTENANCE & SUPPLIES	\$20.98
	6981605374	10/03/23	\$375.64		D16 & D17 WARNING LIGHTS			
						01-60-6-671	MAINTENANCE AND SUPPLIES	\$93.91
						08-11-6-671	MAINTENANCE AND SUPPLIES	\$93.91
						08-21-6-671	MAINTENANCE AND SUPPLIES	\$93.91
						07-01-6-671	MAINTENANCE AND SUPPLIES	\$93.91
							VENDOR TOTAL:	\$450.50
MUNICIPAL COLLECTION SERVICES								
	025217	09/30/23	\$1,707.50		SEPTEMBER 2023 COLLECTIONS			
						01-48-4-656	TICKET COLLECTION SERVICES	\$1,707.50
							VENDOR TOTAL:	\$1,707.50
NICOR GAS								
	96444410003 10202	10/20/23	\$348.19		DPWSC GAS BILL 9/21/23-10/20/23			
						01-67-4-653	GAS, ENERGY/PUMPS, & HEATING	\$348.19
	25186956857 01242	01/24/23	\$50.72		GAS BILL WOODS LIFT STATION 12/20/22-1/21/23			
						08-21-4-631	ELECTRIC, POWER, & LIGHT	\$50.72
							VENDOR TOTAL:	\$398.91

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ORKIN EXTERMINATING COMPANY								
251998377		10/11/23	\$124.99		DPWSC PEST CONTROL	01-67-4-634	MISC SVCS	\$124.99
251998981		10/11/23	\$136.99		VH PEST CONTROL	01-67-4-634	MISC SVCS	\$136.99
							VENDOR TOTAL:	\$261.98
KATHLEEN FIELD ORR & ASSOCIATE								
NOVEMBER 2023		11/01/23	\$11,902.50		VILLAGE ATTY RETAINER NOVEMBER 2023	01-44-4-630	VILLAGE ATTY RETAINER	\$11,902.50
							VENDOR TOTAL:	\$11,902.50
OTIS ELEVATOR								
100401332122		10/17/23	\$886.53		ELEVATOR MAINTENANCE 11/1/23-1/31/24	01-67-6-680	ELEVATOR MAINTENANCE	\$886.53
							VENDOR TOTAL:	\$886.53
PEERLESS NETWORK								
35213		10/15/23	\$112.76		DPW/PD TELEPHONES 10/15/23-11/14/23	01-55-4-637	TELEPHONE	\$41.08
						01-50-4-637	TELEPHONE	\$71.68
							VENDOR TOTAL:	\$112.76
PETTY CASH (ADM)								
092923		09/29/23	\$145.03		REPLENISH PETTY CASH	01-49-2-592	EAP & WELLNESS PROGRAMS	\$54.95
						01-41-4-651	COMMUNITY RELATIONS COMMISSIO	\$30.60
						01-41-4-650	FLOSSMOOR FEST	\$24.59
						01-42-3-607	COMPUTER EQUIPMENT & SUPPLIES	\$16.99
						01-42-4-652	MEETINGS AND EVENTS	\$11.40
						01-42-5-661	TRAINING	\$6.50
							VENDOR TOTAL:	\$145.03
PETTY CASH (FD)								
101623		10/16/23	\$162.54		REPLENISH PETTY CASH	01-49-3-603	POSTAGE	\$21.50
						01-49-3-605	OPERATING SUPPLIES	\$141.04
							VENDOR TOTAL:	\$162.54

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Vendor Name		Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
POSSIBILITY PLACE NURSERY		7224	07/20/23	\$370.00		VH LANDSCAPE MILKWEED PLANTS	01-62-6-677	PROGRAM MAINTENANCE	\$370.00
								VENDOR TOTAL:	\$370.00
SOUTHTOWN REFRIGERATION LLC		512084336	09/27/23	\$2,050.00		HVAC MAINTENANCE 10/1/23-10/31/23	01-67-6-680	MAINTENANCE CONTRACTS	\$2,050.00
								VENDOR TOTAL:	\$2,050.00
PROSAFETY		2898690	09/30/23	\$110.85		EAR PLUGS/SAFETY GLASSES	01-60-3-618 08-11-3-618 08-21-3-618	SAFETY EQUIPMENT & SUPPLIES SAFETY EQUIPMENT & SUPPLIES SAFETY EQUIPMENT & SUPPLIES	\$36.95 \$36.95 \$36.95
								VENDOR TOTAL:	\$110.85
PUBLIC SAFETY DIRECT, INC.		102382	10/11/23	\$440.00		PD PATCH WALL DECAL	24-01-7-771	SPECIAL POLICE EQUIPMENT FUND	\$440.00
		102383	10/11/23	\$255.00		PD STAR FROSTED ACRYLIC SIGN	24-01-7-771	SPECIAL POLICE EQUIPMENT FUND	\$255.00
								VENDOR TOTAL:	\$695.00
RELIABLE FIRE EQUIPMENT CO		89110	07/20/23	\$581.75		DPWSC FIRE EXTINGUISHER MAINTENANCE	01-67-6-680	MAINTENANCE CONTRACTS	\$581.75
		89111	07/20/23	\$77.25		VH FIRE EXTINGUISHER MAINTENANCE	01-67-6-680	MAINTENANCE CONTRACTS	\$77.25
		89112	07/20/23	\$264.85		PD FIRE EXTINGUISHER MAINTENANCE	01-67-6-680	MAINTENANCE CONTRACTS	\$264.85
		89118	07/20/23	\$625.90		FD FIRE EXTINGUISHER MAINTENANCE	01-67-6-680	MAINTENANCE CONTRACTS	\$625.90
								VENDOR TOTAL:	\$1,549.75

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name								
Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount	
RUNCO OFFICE SUPPLY								
9200660	10/12/23	\$21.37		BLD DEPT 2024 CALENDARS/TAPE	01-53-3-601	OFFICE SUPPLIES	\$21.37	
C9187760	10/11/23	\$(48.40)		MONITOR RISER RETURN (CASHIER)	01-43-3-607	COMPUTER EQUIPMENT & SUPPLIES	\$(48.40)	
9198130	10/10/23	\$347.99		PRINTER TONER (FINANCE DIRECTOR)	01-43-3-607	COMPUTER EQUIPMENT & SUPPLIES	\$347.99	
9207640	10/19/23	\$185.56		FINANCE-WRIST REST & STAPLER / COPY PAPER	01-41-3-601	OFFICE SUPPLIES	\$27.58	
					01-42-3-601	OFFICE SUPPLIES	\$13.80	
					01-43-3-601	OFFICE SUPPLIES	\$49.29	
					01-43-3-607	COMPUTER EQUIPMENT & SUPPLIES	\$18.99	
					01-45-3-601	OFFICE SUPPLIES	\$13.80	
					01-48-3-601	OFFICE SUPPLIES	\$13.80	
					01-49-3-601	OFFICE SUPPLIES	\$13.80	
					01-53-3-601	OFFICE SUPPLIES	\$6.90	
					01-55-3-601	OFFICE SUPPLIES	\$13.80	
					08-10-3-601	OFFICE SUPPLIES	\$6.90	
					08-20-3-601	OFFICE SUPPLIES	\$6.90	
VENDOR TOTAL:							\$506.52	
SAFETY KLEEN SYSTEMS INC								
92959741	10/06/23	\$150.00		WASTE OIL PICK-UP	01-60-6-671	MAINTENANCE AND SUPPLIES	\$37.50	
					08-11-6-671	MAINTENANCE AND SUPPLIES	\$37.50	
					08-21-6-671	MAINTENANCE AND SUPPLIES	\$37.50	
					01-48-6-671	VEHICLE MAINTENANCE & SUPPLIES	\$37.50	
VENDOR TOTAL:							\$150.00	
SECRETARY OF STATE								
AMB4512 2024	10/05/23	\$151.00		2012 DODGE AMBULANCE REGISTRATION RENEWAL	01-49-4-634	MISCELLANEOUS SERVICES	\$151.00	
AMB6771 2024	10/05/23	\$151.00		2015 DODGE AMBULANCE REGISTRATION RENEWAL	01-49-4-634	MISCELLANEOUS SERVICES	\$151.00	
VENDOR TOTAL:							\$302.00	

Village of Flossmoor
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Vendor Name	Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
SECURITAS TECHNOLOGY CORPORATION								
	6003635150	10/01/23	\$116.13		DPW ALARM MAINTENANCE/MONITORING 10/1/23-12/31/23			
					01-67-4-634		MISCELLANEOUS SERVICES	\$116.13
							VENDOR TOTAL:	\$116.13
ELIZABETH SMITH								
	0246	10/04/23	\$900.00		YOGA & STRESS RELIEF OCT 2023-MARCH 2024			
					01-49-5-663		FIRE TUITION AND FEES	\$900.00
							VENDOR TOTAL:	\$900.00
SHARK SHREDDING INC.								
	64292	10/13/23	\$130.90		VH/PD SHREDDING SERVICES CERT #74615			
					01-42-4-634		OTHER MISCELLANEOUS SERVICES	\$47.45
					01-48-3-611		SPECIAL POLICE COMMODITIES	\$83.45
							VENDOR TOTAL:	\$130.90
SIKICH LLP								
	31473	10/16/23	\$5,725.00		AUDIT/COMPTROLLER RPT/COPYING & PRINTING/MD&A ASST/GAGAS AUDIT			
					01-43-4-633		ACCOUNTING AND AUDIT SERVICES	\$5,725.00
							VENDOR TOTAL:	\$5,725.00
SOUTH SUBURBAN HUMANE SOCIETY								
	000792	10/03/23	\$130.00		SEPT 2023 IMPOUNDS			
					01-48-4-645		ANIMAL CONTROL SERVICES	\$130.00
							VENDOR TOTAL:	\$130.00
STRAND ASSOCIATES, INC								
	0203135	10/13/23	\$6,339.50		2023 DCEO BRUMLEY DR RECONSTRUCTION-ENGINEERING			
					17-01-1-704		BRUMLEY ROAD ENGINEERING	\$6,339.50
							VENDOR TOTAL:	\$6,339.50

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
KATIE SULLIVAN 101223	10/12/23	\$750.00		SUMMER NEWSLETTER 2023	01-41-4-653	MARKETING PROGRAMS	\$750.00
	10/12/23	\$1,000.00		FEST PROMOTION/DAY OF ART 2023			
	10/12/23	\$750.00		FALL NEWSLETTER 2023	01-41-4-650	FLOSSMOOR FEST	\$1,000.00
	04/14/23	\$875.00		CONSULTATION, DESIGN, REVISIONS & FINAL PRESS READY FILE PREP 4/15/23-10/12/23	01-41-4-653	MARKETING PROGRAMS	\$750.00
				MARKETING PROGRAMS	01-41-4-653	MARKETING PROGRAMS	\$750.00
				COMMUNITY RELATIONS COMMISSIO	01-41-4-651	COMMUNITY RELATIONS COMMISSIO	\$125.00
						VENDOR TOTAL:	\$3,375.00
T.R.L. TIRE SERVICE CORP							
274597	10/11/23	\$54.00		USED TIRE DISPOSAL			
					01-60-6-671	MAINTENANCE AND SUPPLIES	\$27.00
					01-48-6-671	VEHICLE MAINTENANCE & SUPPLIES	\$27.00
33480	10/11/23	\$742.36		SQUAD 121 NEW TIRES			
					01-48-6-671	VEHICLE MAINTENANCE & SUPPLIES	\$742.36
						VENDOR TOTAL:	\$796.36
KEITH TAYLOR							
100523 TAYLOR	10/05/23	\$50.00		REIMBURSE NOBLE MEMBERSHIP RENEWAL			
					01-48-5-660	DUES AND SUBSCRIPTIONS	\$50.00
						VENDOR TOTAL:	\$50.00
THE COP FIRE SHOP							
213019	10/17/23	\$135.00		LAFOND UNIFORM			
					01-49-3-612	UNIFORMS & RELATED SUPPLIES	\$135.00
						VENDOR TOTAL:	\$135.00
THOMSON REUTERS-WEST							
849030039	10/01/23	\$772.35		ONLINE/SOFTWARE SUBSCRIPTION 9/1/23-9/30/23			
					01-48-4-630	PROFESSIONAL SERVICES	\$772.35
						VENDOR TOTAL:	\$772.35
PATRICIA TIGUE							
100923	10/09/23	\$726.55		WATER REFUND 1822 CARDINAL CT			
					08-00-0-130	ACCOUNTS RECEIVABLE - BILLED	\$726.55
						VENDOR TOTAL:	\$726.55

Village of Flossmoor
Detail Board Report
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Vendor Name		Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
TRAINING CONCEPTS INC									
56664		07/19/23		\$411.50		WORKBOOKS/K-12 ECARDS/WALLET CARDS	01-49-5-665	PUBLIC EDUCATION	\$411.50
57034		08/21/23		\$100.00		CPR/AED CARDS	01-49-5-665	PUBLIC EDUCATION	\$100.00
57763		10/23/23		\$162.50		K-12 ECARDS	01-49-5-665	PUBLIC EDUCATION	\$162.50
								VENDOR TOTAL:	\$674.00
UCHICAGO MEDICINE INGALLS HOSP									
20231006		10/04/23		\$45.00		IN-STATION CONTINUING ED SESSION	01-49-5-663	FIRE TUITION AND FEES	\$45.00
								VENDOR TOTAL:	\$45.00
UDO'S PROFESSIONAL CAR WASH									
383		10/02/23		\$77.00		PD CAR WASHES SEPTEMBER 2023	01-48-6-671	VEHICLE MAINTENANCE & SUPPLIES	\$77.00
								VENDOR TOTAL:	\$77.00
UNITED PARCEL SERVICE									
0000F36604403		10/07/23		\$93.64		FD FIRECOM/DPW PRO SAFETY	01-49-3-603	POSTAGE	\$29.90
							01-55-3-603	POSTAGE	\$63.74
0000F36604393		09/30/23		\$51.75		DPW-RENEWAL FEE & LEAD LETTER TO IEPA	01-55-3-603	POSTAGE	\$51.75
0000F36604413 101		10/14/23		\$114.58		IEPA PARTICIPATION LETTER/IEPA MONTHLY WATER SAMPLE/IRS DISPUTE DOCUMENTATION	01-55-3-603	POSTAGE	\$15.42
							01-55-3-603	POSTAGE	\$19.46
							01-43-3-603	POSTAGE	\$79.70
								VENDOR TOTAL:	\$259.97

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name		Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
US BANK ST PAUL		2419517	10/18/23	\$694,459.38		DEBT SERVICE PAYMENT GO BOND SERIES 2021			
						06-01-8-845	06-01-8-845	DEBT SERV-2021 GO ISSUE-PRIN	\$380,000.00
						06-01-8-846	06-01-8-846	DEBT SERV-2021 GO ISSUE-INT	\$143,659.38
						06-01-8-850	06-01-8-850	DEBT SERV-2021 GO REFUND-PRIN	\$135,000.00
						06-01-8-851	06-01-8-851	DEBT SERV-2021 GO REFUND-INT	\$35,800.00
2420581			10/19/23	\$200,250.00		DEBT SERVICE PAYMENT GO BOND SERIES 2014			
						06-01-8-835	06-01-8-835	DEBT SERV-2014 GO ISSUE-PRIN	\$155,000.00
						06-01-8-836	06-01-8-836	DEBT SERV-2014 GO ISSUE-INT	\$45,250.00
						VENDOR TOTAL:			\$894,709.38
VERIZON WIRELESS		9947022961	10/16/23	\$2,018.62		9/17/23 - 10/16/23 WIRELESS BILLING			
						01-42-4-637	01-42-4-637	TELEPHONE	\$210.21
						01-43-4-637	01-43-4-637	TELEPHONE	\$84.60
						01-45-4-637	01-45-4-637	TELEPHONE	\$42.30
						01-53-4-637	01-53-4-637	TELEPHONE	\$42.30
						01-50-4-637	01-50-4-637	TELEPHONE	\$753.82
						01-55-4-637	01-55-4-637	TELEPHONE	\$885.39
						VENDOR TOTAL:			\$2,018.62
VILLAGE OF FLOSSMOOR-FIRE PENSION		79788	10/10/23	\$2,044.54		5/6/22 PAYROLL RE-ISSUED CK 79788			
						01-00-0-104	01-00-0-104	CASH - PAYROLL	\$2,044.54
						VENDOR TOTAL:			\$2,044.54
VILLAGE OF HOMEWOOD		11432	10/18/23	\$133,926.25		HOMEWOOD WATER BILL 7/31/23-8/31/23			
						08-11-4-635	08-11-4-635	HOMEWOOD-LAKE MICHIGAN WATER	\$133,926.25
11321			09/14/23	\$1,048.29		HOMEWOOD PD ASSIST-FLOSSMOOR FEST			
						01-41-4-650	01-41-4-650	FLOSSMOOR FEST	\$1,048.29
						VENDOR TOTAL:			\$134,974.54

Village of Flossmoor
Detail Board Report
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Vendor Name		Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
BRIDGET WACHTEL		110723	10/04/23	\$171.74		REIMBURSE ICMA CONF MEALS/PARKING	01-42-5-661	TRAINING	\$11.17
							01-42-5-661	TRAINING	\$39.12
							01-42-5-661	TRAINING	\$21.39
							01-42-5-661	TRAINING	\$25.06
							01-42-5-661	TRAINING	\$75.00
							VENDOR TOTAL:		\$171.74
WELSCH READY MIX, INC.		28SEP202342187	09/28/23	\$1,059.25		CONCRETE MIX-SIDEWALKS	01-65-3-619	PROGRAM COMMODITIES	\$529.62
							08-14-3-611	CONCRETE	\$529.63
							VENDOR TOTAL:		\$1,059.25
WINDY CITY LIGHTS, INC.		6731	10/03/23	\$4,750.00		CBD CHRISTMAS LIGHTS	40-33-6-671	MAINTENANCE AND SUPPLIES	\$4,750.00
							VENDOR TOTAL:		\$4,750.00
WORKING WELL		0041694600	09/30/23	\$1,101.00		PRE-EMPLOYMENT PHYSICALS	01-49-4-636	PRE-EMPLOYMENT PHYSICALS	\$1,101.00
							VENDOR TOTAL:		\$1,101.00

Village of Flossmoor
Detail Board Report
Invoices Due On/Before: 11/07/23

Vendor Name	Invoice #	Invoice Date	Invoice Amount	PO #	Invoice Description	GL Number	GL Description	Line Amount
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Total Amount Being Paid: \$1,512,919.93
Total Number of Invoices: 197

Vendor Code	Vendor Name	1099	Invoice Total	Check Total	Net Inv/()
DANIELIANJ	JASON F. DANIELIAN	Y	(1) 1,250.00	(0) 0.00	1,250.
ACCURBIO	ACCURATE BIOMETRICS INC.	N	(1) 316.25	(0) 0.00	316.
AIDE	AIDE RENTALS AND SALES	N	(1) 694.93	(0) 0.00	694.
AIRONEEQ	AIR ONE EQUIPMENT INC	N	(5) 3,815.00	(0) 0.00	3,815.
ALWARREN	AL WARREN OIL COMPANY INC	N	(8) 15,957.19	(0) 0.00	15,957.
ALLSCAPE	ALLSCAPE INCORPORATED	N	(1) 5,185.00	(0) 0.00	5,185.
AMAZON	AMAZON CAPITAL SERVICES	N	(13) 2,260.36	(0) 0.00	2,260.
ANDRESME	ANDRES MEDICAL BILLING, LTD	Y	(1) 2,625.95	(0) 0.00	2,625.
ANDREWS	ANDREWS PRINTING LLC	Y	(1) 130.00	(0) 0.00	130.
BENCHMARK	BENCHMARK CONSTRUCTION CO	N	(1) 289,998.63	(0) 0.00	289,998.
BENISTAR	BENISTAR	N	(1) 954.00	(0) 0.00	954.
BISTRO	THE BISTRO ON STERLING	N	(1) 140.00	(0) 0.00	140.
BLACKBUR	BLACKBURN MFG. CO.	N	(1) 700.46	(0) 0.00	700.
BLUECOLL	BLUE-COLLAR SUPPLY CO.	N	(2) 116.08	(0) 0.00	116.
BMOFIN	BMO FINANCIAL GROUP	N	(7) 6,283.48	(0) 0.00	6,283.
BOGUEJ	JONATHAN BOGUE	N	(1) 67.33	(0) 0.00	67.
BRITES	BRITES TRANSPORTATION LLC	N	(5) 4,034.19	(0) 0.00	4,034.
BUILDAUT	BUILDING AUTOMATION SOLUTIONS	N	(1) 1,207.00	(0) 0.00	1,207.
CANONSOL	CANON SOLUTIONS AMERICA , INC.	N	(4) 517.52	(0) 0.00	517.
CAPS	CAPS TEES	Y	(1) 710.00	(0) 0.00	710.
CDW-G	CDW GOVERNMENT, INC.	N	(1) 350.11	(0) 0.00	350.
CESOLUTI	CE SOLUTIONS	N	(1) 218.00	(0) 0.00	218.
CHANDLER	CHANDLER SERVICES INC	N	(2) 2,767.25	(0) 0.00	2,767.
CHESTERF	CHESTERFIELD AWNING CO	N	(1) 7,995.00	(0) 0.00	7,995.
CHICOMM	CHICAGO COMMUNICATIONS, LLC.	Y	(1) 94.80	(0) 0.00	94.
CHICAGOTRI	CHICAGO TRIBUNE	N	(1) 1,146.00	(0) 0.00	1,146.
CLARKS	CLARKS GARDEN CENTER & STONE DEP	N	(1) 315.00	(0) 0.00	315.
COM4035	COMED	N	(1) 3,269.38	(0) 0.00	1,122.
CONSERV	CONSERV FS, INC.	N	(1) 1,425.00	(0) 0.00	1,425.
CORE&MAI	CORE & MAIN LP	Y	(3) 7,121.20	(0) 0.00	7,121.
COZZINI	COZZINI BROS	N	(1) 284.00	(0) 0.00	284.
CRUSOR	RICHARD G. CRUSOR, JR.	Y	(1) 450.00	(0) 0.00	450.
EAGLEUNI	EAGLE UNIFORM CO INC	N	(4) 377.00	(0) 0.00	377.
EBELSACE	EBEL'S ACE HARDWARE	N	(3) 324.39	(0) 0.00	324.
EASTJORD	EJ USA INC.	N	(1) 1,360.55	(0) 0.00	1,360.
ELECTRICAL	ELECTRICAL SYSTEMS INC	N	(1) 1,441.80	(0) 0.00	1,441.
ELMER&SO	ELMER & SON LOCKSMITHS INC	N	(2) 375.66	(0) 0.00	375.
EVTECH	EVT TECHNOLOGIES	N	(1) 585.00	(0) 0.00	585.
EXPERT	EXPERT CHEMICAL & SUPPLY INC	N	(1) 520.34	(0) 0.00	520.
FIRECOM	FIRECOM	N	(1) 375.00	(0) 0.00	375.
FITZSIMM	FITZSIMMONS	N	(1) 15.00	(0) 0.00	15.
FLOSSSTA	FLOSSMOOR STATION RESTAURANT	N	(1) 430.00	(0) 0.00	430.
FDLIFE	FORT DEARBORN LIFE INSURANCE	N	(1) 491.91	(0) 0.00	491.
GALLAMAT	GALLAGHER MATERIALS CORP.	N	(1) 293.04	(0) 0.00	293.
GALLS	GALLS, LLC	N	(2) 124.68	(0) 0.00	124.68

Communication: Presentation of Bills for Approval and Payment as Approved by the Finance Committee (November 6, 2023) (CONSENT

Vendor Code	Vendor Name	1099	Invoice Total	Check Total	Net Inv/C
GASVODA	GASVODA & ASSOCIATES INC	N	(2) 1,641.92	(0) 0.00	1,641.
HARRIS	HARRIS COMPUTER SYSTEMS	N	(1) 741.81	(0) 0.00	741.
HISKES	HISKES, DILLNER, O'DONNELL,	Y	(2) 701.25	(0) 0.00	701.
HOMEDEPO	HOME DEPOT CREDIT SERVICES	N	(1) 27.92	(0) 0.00	27.
HORTON	THE HORTON GROUP	N	(1) 1,710.00	(0) 0.00	1,710.
ILLASCOPI	ILLINOIS ASSOCIATION OF CHIEFS	N	(1) 265.00	(0) 0.00	265.
ILLSTATE	ILLINOIS STATE TOLL HIGHWAY	N	(1) 39.10	(0) 0.00	39.
IMPRESS	IMPRESSIONS IN STONE	N	(1) 382.28	(0) 0.00	382.
INTERSTA	INTERSTATE BATTERY OF CHICAGO	N	(1) (18.00)	(0) 0.00	(18.
J.M.D.	J.M.D. SOX OUTLET	N	(7) 726.45	(0) 0.00	726.
KBROTHERS	K BROTHERS FENCE INC.	N	(1) 36,439.00	(0) 0.00	36,439.
KANKAKEENU	KANKAKEE NURSERY CO.	N	(1) 3,950.00	(0) 0.00	3,950.
KKWORX	KKWORX, INC.	N	(1) 11,499.25	(0) 0.00	11,499.
KOKUMA	ERIKA KOKUMA	N	(1) 198.24	(0) 0.00	198.
KONICA	KONICA MINOLTA	N	(1) 425.00	(0) 0.00	425.
M.E.SIMP	M.E. SIMPSON COMPANY, INC.	N	(2) 1,530.00	(0) 0.00	1,530.
MARTINWH	MARTIN WHALEN OFFICE SOLUTIONS	N	(1) 149.41	(0) 0.00	149.
MCKESSON	MCKESSON MEDICAL SURGICAL	N	(1) 192.62	(0) 0.00	192.
MENARDS	MENARDS	N	(2) 124.74	(0) 0.00	124.
MENARDHM	MENARD'S-HOMEWOOD	N	(2) 236.26	(0) 0.00	236.
MONARCH	MONARCH AUTO SUPPLY INC	N	(3) 450.50	(0) 0.00	450.
MUNICCOL	MUNICIPAL COLLECTION SERVICES	N	(1) 1,707.50	(0) 0.00	1,707.
NICOR-4	NICOR GAS	N	(2) 398.91	(0) 0.00	398.
ORKIN	ORKIN EXTERMINATING COMPANY	N	(2) 261.98	(0) 0.00	261.
ORRASSOC	KATHLEEN FIELD ORR & ASSOCIATE	Y	(1) 11,902.50	(0) 0.00	11,902.
OTIS	OTIS ELEVATOR	N	(1) 886.53	(0) 0.00	886.
PEERLESS	PEERLESS NETWORK	N	(1) 112.76	(0) 0.00	112.
PETTYVOF	PETTY CASH (ADM)	N	(1) 145.03	(0) 0.00	145.
PETTYFIR	PETTY CASH (FD)	N	(1) 162.54	(0) 0.00	162.
POSSIBIL	POSSIBILITY PLACE NURSERY	N	(1) 370.00	(0) 0.00	370.
PREMISTAR	SOUTHTOWN REFRIGERATION LLC	Y	(1) 2,050.00	(0) 0.00	2,050.
PROSAFET	PROSAFETY	N	(1) 110.85	(0) 0.00	110.
PUBSAFET	PUBLIC SAFETY DIRECT, INC.	N	(2) 695.00	(0) 0.00	695.
RELIABLE	RELIABLE FIRE EQUIPMENT CO	N	(4) 1,549.75	(0) 0.00	1,549.
RUNCO	RUNCO OFFICE SUPPLY	N	(4) 506.52	(0) 0.00	506.
SAFETYKL	SAFETY KLEEN SYSTEMS INC	N	(1) 150.00	(0) 0.00	150.
SECOFSTATE	SECRETARY OF STATE	N	(2) 302.00	(0) 0.00	302.
SECURITAS	SECURITAS TECHNOLOGY CORPORATION	N	(1) 116.13	(0) 0.00	116.
SERENDIPIT	ELIZABETH SMITH	Y	(1) 900.00	(0) 0.00	900.
SHARK	SHARK SHREDDING INC.	N	(1) 130.90	(0) 0.00	130.
SIKICH	SIKICH LLP	Y	(1) 5,725.00	(0) 0.00	5,725.
SSHUMANE	SOUTH SUBURBAN HUMANE SOCIETY	N	(1) 130.00	(0) 0.00	130.
STRAND	STRAND ASSOCIATES, INC	N	(1) 6,339.50	(0) 0.00	6,339.
SULLIVAN	KATIE SULLIVAN	Y	(4) 3,375.00	(0) 0.00	3,375.
T.R.L.	T.R.L. TIRE SERVICE CORP	N	(2) 796.36	(0) 0.00	796.36

Communication: Presentation of Bills for Approval and Payment as Approved by the Finance Committee (November 6, 2023) (CONSENT

Vendor Code	Vendor Name	1099	Invoice Total	Check Total	Net Inv/C
TAYLORK	KEITH TAYLOR	N	(1) 50.00	(0) 0.00	50.
THECOPFI	THE COP FIRE SHOP	N	(1) 135.00	(0) 0.00	135.
THOMWEST	THOMSON REUTERS-WEST	N	(1) 772.35	(0) 0.00	772.
TIGUEP	PATRICIA TIGUE	N	(1) 726.55	(0) 0.00	726.
TRAINING	TRAINING CONCEPTS INC	N	(3) 674.00	(0) 0.00	674.
INGALEMS	UCHICAGO MEDICINE INGALLS HOSP	N	(1) 45.00	(0) 0.00	45.
UDOS	UDO'S PROFESSIONAL CAR WASH	N	(1) 77.00	(0) 0.00	77.
UPS	UNITED PARCEL SERVICE	N	(3) 259.97	(0) 0.00	259.
US BANK	US BANK ST PAUL	N	(2) 894,709.38	(0) 0.00	894,709.
VERIZON452	VERIZON WIRELESS	N	(1) 2,018.62	(0) 0.00	2,018.
FIR	VILLAGE OF FLOSSMOOR-FIRE PENSIO	N	(1) 2,044.54	(0) 0.00	2,044.
VILHMD	VILLAGE OF HOMEWOOD	N	(2) 134,974.54	(0) 0.00	134,974.
WACHTEL	BRIDGET WACHTEL	N	(1) 171.74	(0) 0.00	171.
WELSCH	WELSCH READY MIX, INC.	N	(1) 1,059.25	(0) 0.00	1,059.
WINDYCL	WINDY CITY LIGHTS, INC.	Y	(1) 4,750.00	(0) 0.00	4,750.
WORKING	WORKING WELL	Y	(1) 1,101.00	(0) 0.00	1,101.
Grand Totals:			Total: 197 1,512,919.93	Total: 0 0.00	

Village of Flossmoor
Detail Board Report
Manual Checks Issued: 10/19/23 thru 10/19/23

Vendor Name		Invoice #	Invoice Date	Amount	Check #	Check Date	PO #	Invoice Description	GL Number	GL Description	Line Amount
BCBSIL											
NOVEMBER 2023		10/17/23	\$110,692.91	80530	10/19/23	NOVEMBER 2023 PREMIUM					
								01-00-0-219		HEALTH INSURANCE PAYABLE	\$22,333.67
								01-42-2-590		HEALTH INSURANCE PREMIUM	\$7,016.20
								01-43-2-590		HEALTH INSURANCE PREMIUM	\$9,647.27
								01-48-2-590		HEALTH INSURANCE PREMIUM	\$37,491.82
								01-49-2-590		HEALTH INSURANCE PREMIUM	\$9,647.27
								01-50-2-590		HEALTH INSURANCE PREMIUM	\$6,139.17
								01-55-2-590		HEALTH INSURANCE PREMIUM	\$3,508.10
								01-60-2-590		HEALTH INSURANCE PREMIUM	\$14,909.41
								VENDOR TOTAL:		\$110,692.91	
COMCAST											
0001666 100623		10/06/23	\$192.40	80531	10/19/23	DPWSC INTERNET 10/10/23-11/9/23					
								01-55-6-673		COMPUTER NETWORK MAINTENAN	\$192.40
								VENDOR TOTAL:		\$192.40	
METLIFE											
NOVEMBER 2023		10/16/23	\$6,061.29	80532	10/19/23	POLICY #05390569/NOVEMBER 2023 PREMIUM					
								01-00-0-219		HEALTH INSURANCE PAYABLE	\$1,565.31
								01-42-2-590		HEALTH INSURANCE PREMIUM	\$363.87
								01-43-2-590		HEALTH INSURANCE PREMIUM	\$500.32
								01-48-2-590		HEALTH INSURANCE PREMIUM	\$1,857.91
								01-49-2-590		HEALTH INSURANCE PREMIUM	\$500.32
								01-50-2-590		HEALTH INSURANCE PREMIUM	\$318.39
								01-55-2-590		HEALTH INSURANCE PREMIUM	\$181.94
								01-60-2-590		HEALTH INSURANCE PREMIUM	\$773.23
								VENDOR TOTAL:		\$6,061.29	

Village of Flossmoor
Detail Board Report

Manual Checks Issued: 10/19/23 thru 10/19/23

Vendor Name		Invoice #	Invoice Date	Amount	Check #	Check Date	PO #	Invoice Description	GL Number	GL Description	Line Amount
VISION SERVICE PLAN											
819002387			10/17/23	\$1,054.20	80533	10/19/23		NOVEMBER 2023 PREMIUM			
									01-00-0-219	HEALTH INSURANCE PAYABLE	\$305.93
									01-42-2-590	HEALTH INSURANCE PREMIUM	\$59.86
									01-43-2-590	HEALTH INSURANCE PREMIUM	\$82.31
									01-48-2-590	HEALTH INSURANCE PREMIUM	\$314.27
									01-49-2-590	HEALTH INSURANCE PREMIUM	\$82.31
									01-50-2-590	HEALTH INSURANCE PREMIUM	\$52.38
									01-55-2-590	HEALTH INSURANCE PREMIUM	\$29.93
									01-60-2-590	HEALTH INSURANCE PREMIUM	\$127.21
									VENDOR TOTAL:		\$1,054.20

Total Amount Being Paid: \$118,000.80

Total Number of Invoices: 4

Vendor Code	Vendor Name	1099	Invoice Total	Check Total	Net Inv/C
BCBSIL	BCBSIL	N	(1) 110,692.91	(1) 110,692.91	0.
COMCAST3	COMCAST	N	(1) 192.40	(1) 192.40	0.
METLIFE	METLIFE	N	(1) 6,061.29	(1) 6,061.29	0.
VISION	VISION SERVICE PLAN	N	(1) 1,054.20	(1) 1,054.20	0.
Grand Totals:			Total: 4 118,000.80	Total: 4 118,000.80	

TO: Mayor Nelson and Board of Trustees
FROM: Scott Bugner, Building and Zoning Administrator
DATE: November 6, 2023
SUBJECT: Consideration of a Resolution of Support for a Class 8
Tax Incentive for Rainbow Cone - Flossmoor Crawford
Partners - 19805 Crawford Avenue



FLOSSMOOR

On October 16, 2023, Flossmoor Crawford Partners petitioned the Board of Trustees for a Class 8 Tax incentive to construct a 2,200 square foot Rainbow Cone ice cream restaurant and drive-thru. The petitioners advised that "but for" the Class 8, the project could not reasonably proceed. The Board of Trustees indicated support for a Class 8 and directed the Village attorney to draft a resolution of support.

To assist you in this matter, please find attached the following materials:

- Petitioners request letter and application for a Class 8 tax incentive
- Proposed Resolution of Support for a Class 8 tax incentive

**PETITION SEEKING TO OBTAIN THE VILLAGE OF FLOSSMOOR'S ENDORSEMENT OF
CLASS 8 TAX INCENTIVE**

PETITIONER: Flossmoor Crawford Partners
Rainbow Cone
19805 Crawford Ave.
Flossmoor, IL 60402
PIN: 31-11-302-044-0000

Date Submitted: September 26, 2023

Flossmoor Crawford Partners ("Petitioner") seeks the Village of Flossmoor's ("Village") approval and endorsement of Petitioner's application for Class 8 Real Estate Property Tax Incentive for the property commonly known as 19805 Crawford Avenue, Flossmoor, IL 60402 and identified by Parcel Number 31-11-302-044-0000. The proposed newly constructed commercial retail structure consisting of approximately 2,200 square feet of improvements, a drive-thru, and parking for the 100% owner occupied use as a "Rainbow Cone" ice cream shop retail location. It will sit on a parcel approximately 27,859 square feet in size.

Construction is slated to begin by November 1, 2023, with an expected completion date of May 15, 2024, and creating approximately 30-40 construction jobs over that period. Once completed, the Rainbow Cone location is expected to create 10 new full-time jobs and 35 new part-time jobs.

The approval and endorsement of the Class 8 Incentive Classification for this parcel and for this project are of vital material importance to the viability of the project. The economic climate for retail locations of all types in the wake of the Covid pandemic and resultant dramatic increases in both inflationary pressures and overall costs of operation indicate that, but for being granted the full weight and impact of the Class 8 incentive, the project could not reasonably move forward, depriving the Village of Flossmoor with the substantial financial investment being proposed here, along with the substantial amount of new jobs and other increased economic benefits to the Village that come with the project.

The Buona Family by and through their longstanding dedication and investments in the Village of Flossmoor have demonstrated their commitment to the community and the ongoing success of Flossmoor as a destination for new business and development. This proposed development, and their

investment therein, is a continuation of that commitment. Through the approval of this Class 8 incentive, they will be provided with the means and opportunity to continue their partnership with the Village.

Conclusion:

Based on all the foregoing information, details, and facts, it is respectfully requested that the Village of Flossmoor approve the submitted Class 8 incentive class application for the referenced projected development of the Rainbow Cone site identified therein.

COOK COUNTY ASSESSOR

FRITZ KAEGI



COOK COUNTY ASSESSOR'S OFFICE
118 NORTH CLARK STREET, CHICAGO, IL 60602
PHONE: 312.443.7550 FAX: 312.603.6584
WWW.COOKCOUNTYASSESSOR.COM

CLASS 8 ELIGIBILITY APPLICATION

CONTROL NUMBER

Carefully review the Class 8 Eligibility Bulletin before completing this Application. For assistance, please contact the Assessor's Office, Development Incentives Department (312) 603-7529. This application, **a filing fee of \$500.00**, and supporting documentation (*except drawings and surveys*) must be filed as follows:

This application must be filed **PRIOR TO** the commencement of New Construction or **PRIOR TO** the commencement of Substantial Rehabilitation Activities or **PRIOR TO** the commencement of Reoccupation of Abandoned Property.

Applicant Information

Name: Michael Buonavolanto Telephone: (708) 948-0557
Company: Flossmoor Crawford Partners
Address: 6801 W. Roosevelt Road
City: Berwyn State: IL Zip Code: 60402
Email: MikeBuona@Buona.com

Contact Person (if different than the Applicant)

Name: Christopher M. Caira Telephone: (312) 726-7855
Company: KBC Law Group
Address: 100 N. La Salle St., Suite 510
City: Chicago State: IL Zip Code: 60602
Email: CCaira@KBCLawGroup.com

Property Description (per PIN)

If you are applying for more than three different PINs, please submit the additional PIN information in an attachment.

Street Address: (1) 19805 Crawford Ave.
Permanent Real Estate Index Number: 31-11-302-044-0000
(2) _____
Permanent Real Estate Index Number: _____
(3) _____
Permanent Real Estate Index Number: _____

City: Flossmoor ZIP: 60422
Township: Rich Existing Class: 5-90

Attachment: Complete Class 8 Application Rainbow Cone Flossmoor (Rainbow Cone Class 8 Resolution - 19805 Crawford Avenue)

Class 8 application is based upon the location of the property in:

- ___ 1) An area which has been certified for Class 8
- X 2) One of the following townships: Bloom, Bremen, Calumet, Rich, or Thornton
- ___ 3) Property obtained through the Cook County Tax Reactivation Program

Identification of Person Having an Interest in the Property

Attach a complete list of all owners, developers, occupants and other interested parties (*including all beneficial owners of a land trust*) identified by names and addresses, and the nature and extent of their interest.

Property Use

Type of Development: Industrial or **Commercial** (**Please circle one**)

General Description of Proposed Property Usage Retail Restaurant/Food Location

Attach a detail description of the precise nature and extent of the intended use of the subject property, specifying in the case of the multiple uses the relative percentages of each use.

Attach legal description, site dimensions and square footage and building dimensions and square footage.

Include copies of materials, which explain the occupant's business, including corporate letterhead, brochures, advertising material, leases, photographs, etc.

Employment Opportunities

How many construction jobs will be created as a result of this development? 30-40

How many new permanent full-time and part-time employees do you now employ in Cook County?

Full-time: 25 Part-time: 75

How many new permanent full-time jobs will be created by this proposed development? 10

How many new permanent part-time jobs will be created by this proposed development? 35

Nature of Development

Indicate nature of proposed development by checking the appropriate space:

- ☒ New Construction (**Read and Complete Section A**)
- ☐ Substantial Rehabilitation (**Read and Complete Section A**)
Incentive only applied to the market value attributable to the rehabilitation
- ☐ Occupation of Abandoned Property - No Special Circumstance
(**Read and Complete Section B**)
- ☐ Occupation of Abandoned Property - With Special Circumstance
(**Read and Complete Section C**)
- ☐ Occupation of Abandoned Property - (**CEERM**)
(**Read and Complete Section C AND CEERM Supplemental Application**)

SECTION A (NEW CONSTRUCTION/SUBSTANTIAL REHABILITATION)

If the proposed development consists of *New Construction* or *Substantial Rehabilitation*, provide the following information:

Estimated date of construction

Commencement (*excluding demolition, if any*): November 1, 2023

Estimated date of construction completion: May 15, 2024

Attach copies of the following:

1. Specific description of the proposed *New Construction* or *Substantial Rehabilitation*
2. Current Plat of Survey for subject property
3. 1st floor plan or schematic drawings
4. Building permits, wrecking permits and occupancy permits (*including date of issuance*)
5. Complete description of the cost and extent of the *Substantial Rehabilitation* or *New Construction* (*including such items as contracts, itemized statements of all direct and indirect costs, contractor's affidavits, etc*)

SECTION B (ABANDONED PROPERTY WITH NO SPECIAL CIRCUMSTANCES)

If the proposed development consists of the reoccupation of abandoned property, purchased for value, complete (1) and (2) below:

1. Was the subject property vacant and unused for at least 12 continuous months prior to the purchase for value?

[] YES [] NO

When and by whom was the subject property last occupied prior to the purchase for value?

Attach copies of the following documents:

- (a) Sworn statements from person having personal knowledge attesting to the fact and the duration of vacancy and abandonment
- (b) Information (*such as statements of utility companies*) which demonstrate that the property was vacant and unused and indicate duration of such vacancy

2. Application must be made to the Assessor prior to occupation:

Estimated date of reoccupation: _____

Date of Purchase: _____

Name of purchaser: _____

Name of seller: _____

Relationship of purchaser to seller: _____

Attach copies of the following documents:

- (a) Sale Contract
- (b) Closing Statement
- (c) Recorded Deed
- (d) Assignment of Beneficial Interest
- (e) Real Estate Transfer Declaration

SECTION C (SPECIAL CIRCUMSTANCES)

If the applicant is seeking special circumstances to establish that the property was abandoned for purposes of the Incentive where there was a **purchase for value**, but the period of **abandonment prior to purchase was less than 12 months**, complete section (1).

If the applicant is seeking special circumstances to establish that the property was abandoned for purposes of the Incentive where there was **no purchase for value**, but the period of **abandonment prior to the application 12 continuous months or greater**, complete section (2).

1. How long was the period of abandonment prior to the purchase for value? _____

When and by whom was the subject property last occupied prior to the purchase for value?

Attach copies of the following documents:

- (a) Sworn statements from persons having personal knowledge attesting to the fact and the duration of the vacancy and abandonment
- (b) Information (*such as statements of utility companies*) which demonstrate that the property was vacant and unused and indicate duration of vacancy
- (c) Include the finding of special circumstances supporting "abandonment" as determined by the municipality, or the County Board, if located in an unincorporated area. *Also include the ordinance or resolution from the Board of Commissioners of Cook County stating its approval for less than 12-month abandonment period.*

Application must be made to the Assessor prior to the commencement of reoccupation of the abandoned property.

Estimated date of Reoccupation: _____

Date of purchase: _____

Name of purchaser: _____

Name of seller: _____

Relationship of purchaser to seller: _____

Attach copies of the following documents:

- (a) Sale Contract
- (b) Closing Statement
- (c) Recorded Deed
- (d) Assignment of Beneficial Interest
- (e) Real Estate Transfer Declaration

2. How long has the subject property been unused?

- ☐ 12 or greater continuous months (*Eligible for Special Circumstance*)
- ☐ 3 continuous months and maintain/create 250 Employees (*Eligible for Special Circumstance under CEERM*) - **Complete CEERM Supplemental Application**
- ☐ **Not Eligible for Special Circumstance if No purchase and less than 12 continuous months vacant, or not a CEERM**

When and by whom was the subject property last occupied prior to the filing of this application?

Attach copies of the following documents:

- (a) Sworn statements from persons having personal knowledge attesting to the fact and the duration of the vacancy and abandonment
- (b) Information (*such as statements of utility companies*) which demonstrate that the property was vacant and unused and indicate duration of vacancy
- (c) Include the finding of special circumstances supporting “abandonment” as determined by the municipality, or the County Board, if located in an unincorporated area. Also include the ordinance or resolution from the Board of Commissioners of Cook County stating its approval for lack of a purchase for value.

Application must be made to Assessor prior to the commencement of reoccupation of the abandoned property.

Estimated date of reoccupation: _____

Type text here

LOCAL APPROVAL

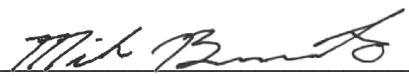
A certified copy of a resolution or ordinance from the municipality in which the real estate is located (*or the County Board, if the real estate is located in an unincorporated area*) should accompany this Application. *The ordinance or resolution must expressly state that the municipality supports and consents to this Class 8 Application and that it finds Class 8 necessary for development to occur on the subject property.* If a resolution is unavailable at the time the application is filed, a letter from the municipality or the County Board, as the case may be, stating that a resolution or ordinance supporting the Incentive has been requested may be filed with this application instead. If the applicant is seeking to apply based on the reoccupation of abandoned property and will be seeking a finding of “special circumstances” from the municipality, in addition to obtaining a letter from the municipality confirming that a resolution or ordinance supporting the Incentive has been requested, the applicant must file a letter from the County Board confirming that a resolution validating a municipal finding of special circumstances has been requested. If, at a later date, the municipality or the County Board denies the applicant’s request for a resolution or ordinance, the applicant will be deemed ineligible for the Class 8 Incentive, whether or not construction has begun. In all circumstances, the resolution must be submitted by the time the applicant files an “Incentive Appeal”.

FINALIZING THE INCENTIVE PROCESS

In order to finalize the class change you will need to file an **Incentive Appeal** with supporting documentation (including **Proof of Occupancy**) in the year that the property has been substantially occupied. It is advised that you access our website (www.cookcountyassessor.com) to determine the allowable filing dates for such action.

When filing an appeal requesting an Incentive Class Change a \$100.00 filing fee (made out to the Cook County Assessor) must be included. The property cannot receive Class 8 designation until you file an Incentive Appeal, AND this office grants reclassification for the parcel(s).

I, the undersigned, certify that I have read this Application and that the statements set forth in this Application and in the attachments hereto are true and correct, except as those matters stated to be on information and belief and as to such matters, the undersigned certifies that he/she believes the same to be true.


Signature

9/25/23
Date

Michael Buonavolanto
Print Name

VP of Real Estate
Title

**Note: If title to the property is held in trust or by a corporation or a partnership, this Class 8 Eligibility Application must be signed by a beneficiary, officer or general partner.*

Revised 4/1/22

CEERM SUPPLEMENTAL APPLICATION

(This form will ONLY be utilized for applicants who specifically elect for CEERM)

This supplemental eligibility application is for properties that have been abandoned (due to special circumstances) where there has been no purchase for value and the buildings and other structures have been vacant and unused for at least three continuous months and applicant has provided sufficient documentation to establish that such applicant will create or maintain at least 250 jobs for employees at the subject location.

The CEERM Program shall be limited to the party who is the initial applicant of the Class 8 Incentive under the CEERM Program and the subject of the municipal Resolution or Ordinance.

Under the CEERM Program, qualifying industrial real estate would be eligible for the Class 8 level of assessment from the date of substantial re-occupancy of the abandoned property. Properties receiving Class 8 will be assessed at 10% of market value for the first 10 years, 15% in the 11th year and 20% in the 12th year. The terms of this program are Not Renewable.

I _____ applicant/representative hereby specifically elect to submit this **Supplemental Application** for the **CEERM** program.

Further affiant sayeth not.

Agent's Signature

Agent's Name & Title

Agent's Mailing Address

Agent's Telephone Number

Applicant's Name

Applicant's Mailing Address

Applicant's e-mail address

Subscribed and sworn before me this _____ day of _____, 20 _____

Signature of Notary Public

Revised 4/1/22

Supplementary Information in Support of Class-8 Incentive Application

Identification of Persons Having an Interest in the Property

Flossmoor Crawford Partners LLC – 100% Ownership of The Subject Property
418 Clinton Place
River Forest, IL 60305

1419 Properties LLC - 50% Ownership of Flossmoor Crawford Partners, LLC
6801 W. Roosevelt Road
Berwyn, IL 60402

Tim Hague – 50% Ownership of Flossmoor Crawford Partners, LLC
Keystone Ventures LLC
418 Clinton Place
River Forest, IL 60305

Description of Intended Use of the Property

The intended use of the property commonly known as 19805 Crawford Ave., Flossmoor, IL, and located on parcel identification number 31-11-302-044-0000, is the construction of a 2,200 (two thousand two hundred) square foot “Rainbow Cone” ice cream shop with a drive thru lane and drive-thru window. This will be a 100% commercial, owner-occupied location, employing approximately 10 full-time staff and 35 part-time staff.

Land Square Footage: 27,859

Proposed Building Square Footage: 2,200

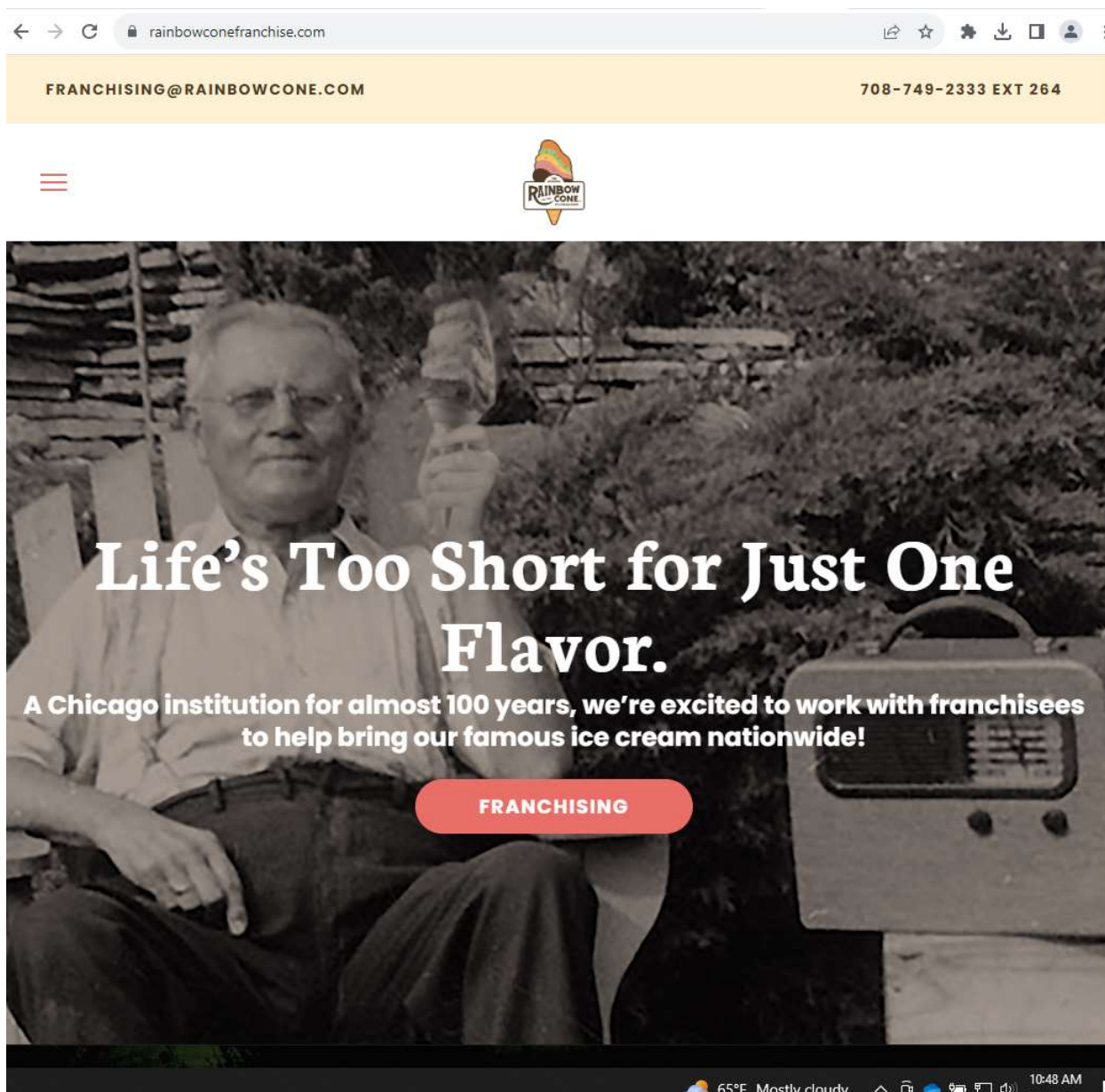
Legal Description:

Lot2 in Buona Subdivision, According the Plat Thereof Recorded September6, 2018 as Document NO. 1824916068, In Cook County, Illinois, Being a Part of Outlot C in Meijer Subdivision, Being a Subdivision of Part of the Southwest Quarter of Section 11, Township 35 North, Range 13 East of the Third Principal Meridian, According to the Plat Thereof Recorded March 4, 2015 as Document No. 1506339039, In Cook County, Illinois.

Attached Additional Documentation:

Pages from Rainbow Cone’s website detailing business and its history,
Floor Plan,
Plat of Survey,
Detailed Designs for Construction of Location,
Permits, and
Construction Budget

Rainbow Cone Business and Company History as Shown on RainbowCone.com



The screenshot shows the Rainbow Cone Franchise website. The browser address bar displays "rainbowconefranchise.com". The website header includes the email "FRANCHISING@RAINBOWCONE.COM" and the phone number "708-749-2333 EXT 264". A navigation menu is visible on the left. The main content area features a large image of an elderly man sitting outdoors, holding a Rainbow Cone ice cream cone. Overlaid on the image is the text "Life's Too Short for Just One Flavor." and "A Chicago institution for almost 100 years, we're excited to work with franchisees to help bring our famous ice cream nationwide!". A red button labeled "FRANCHISING" is positioned below the text. The website logo, a rainbow cone with the text "RAINBOW CONE", is located in the top right corner of the main content area. The bottom of the screenshot shows a Windows taskbar with the date and time "10:48 AM" and the weather "65°F Mostly cloudy".

FRANCHISING@RAINBOWCONE.COM 708-749-2333 EXT 264

Life's Too Short for Just One Flavor.

A Chicago institution for almost 100 years, we're excited to work with franchisees to help bring our famous ice cream nationwide!

FRANCHISING

rainbowconefranchise.com/our-story/

FRANCHISING@RAINBOWCONE.COM 708-749-2333 EXT 264

RAINBOW CONE

About Us

Not All Cones Are Created Equal

To the rest of the world, Chicago's food is all about deep dish, Italian beef, and Chicago-style hot dogs. But to Chicagoans, there's not always agreement on the food that unites us. Luckily there's one dessert we can all agree on – say hello to the Rainbow Cone.

WHY US?





It starts with Family

Our founders, Joe and Katherine Sapp, had a particular affinity for ice cream, but were never satisfied with just one flavor. So when they opened the first Rainbow Cone in 1926, their signature slice (not scoop!) cone featured not one, not two, but five delicious flavors stacked together. Little did they know this imaginative combination of Chocolate, Strawberry, Palmer House, Pistachio, and Orange Sherbet would become a beloved Chicago institution that rivals some of the city's most remarkable culinary contributions.

Fast forward 95+ years, and today, we're still locally owned and proudly work to uphold the tradition Grandpa Joe started all those years ago. We value the togetherness of community, the hard work of our people, and strive to bring creativity and uniqueness to every slice and scoop of delicious dessert we serve up to our loyal patrons. As we've grown and expanded to multiple locations, we keep the family vision at the forefront of every decision and do our best to make Joe and Katherine proud.

Chicago-Beverly

9233 S. Western Ave, Chicago, IL 60643
(773) 238-9833

ORDER NOW

Lombard

498 Roosevelt Road, Lombard, IL 60148
(630) 792-1134

ORDER NOW

Orland Park

15711 S Harlem Ave, Orland Park, IL 60462
(708) 274-8775

ORDER NOW

Skokie

3754 W Touhy Avenue, Skokie, IL 60076
(224) 747-2333

ORDER NOW

Darien

7417 S Cass Avenue, Darien, IL 60561
(630) 963-2333

ORDER NOW

Lakemoor

31500 N US Hwy 12, Lakemoor, IL 60051
(815) 556-2333

ORDER NOW

rainbowcone.com/order-online/



Mount Prospect

861 E Rand Road, Mount Prospect, IL 60056
(847) 643-2333

ORDER NOW

Bolingbrook

303 S Weber Rd, Bolingbrook, IL 60490
(630) 343-1333

ORDER NOW

Harwood Heights

7343 W Lawrence Ave, Harwood Heights, IL 60706
(708) 831-8878

ORDER NOW

Valparaiso

2901 John Howell Dr, Valparaiso, IN 46383
(219) 306-8300

ORDER NOW

Flossmoor

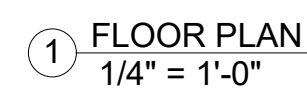
19801 Crawford Ave, Flossmoor, IL 60422
(708) 991-7300

ORDER NOW

Glendale Heights

305 E Army Trail Rd, Glendale Heights, IL
(630) 539-2333

ORDER NOW



FINAL PLAT OF SUBDIVISION BUONA SUBDIVISION

BEING PART OF THE SOUTHWEST QUARTER OF SECTION 11, TOWNSHIP 35, NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

PREPARED BY/RETURN TO:
SPACECO, INC.
9575 W HIGGINS ROAD, SUITE 700
ROSEMONT, ILLINOIS 60018

MAIL TAXES TO:
FLOSSMOOR VENTURES LLC
6801 ROOSEVELT RD
BERWYN, IL 60402

PROPERTY DESCRIPTION:
OUTLOT C IN MEIER SUBDIVISION, BEING A SUBDIVISION OF PART OF THE SOUTHWEST QUARTER OF SECTION 11, TOWNSHIP 35, NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 4, 2015 AS DOCUMENT 1506339039, IN COOK COUNTY, ILLINOIS.

P.L.N.J.
31-11-302-036-0000

EASEMENT PROVISIONS

An easement for serving the subdivision and other property with electric and communication service is hereby reserved for and granted to
Commonwealth Edison Company
and
SBC Telephone Company, Grantees,
their respective licensees, successors and assigns jointly and severally, to construct, operate, repair, maintain, modify, reconstruct, replace, supplement, relocate and remove, from time to time, poles, guys, anchors, wires, cables, conduits, manholes, transformers, pedestals, equipment cabinets or other facilities used in connection with overhead and underground transmission and distribution of electricity, communications, sounds and signals (as over, under, across, along and upon the surface of the property shown within the dashed or dotted lines (or similar designation) on the plat marked "Easement", "Utility Easement", "Public Utility Easement", "PUJE" (or similar designation), the property designated in the Declaration of Condominium and/or on this plat as "Common Elements", and the property designated on the plat as "Common Area or Areas", and the property designated on the plat for streets and alleys, whether public or private, together with the rights to install required service connections over or under the surface of each lot and common area or areas to serve improvements thereon, or on adjacent lots, and common area or areas, the right to cut, trim or remove trees, bushes, roots and saplings and to clear obstructions from the surface and subsurface as may be reasonably required incident to the rights herein given, and the right to enter upon the subdivided property for all such purposes. Obstructions shall not be placed over the Grantee's facilities or in, upon or over the property within the dashed or dotted lines (or similar designation) marked "Easement", "Utility Easement", "Public Utility Easement", "PUJE" (or similar designation) without the prior written consent of Grantees. After installation of any such facilities, the grade of the subdivided property shall not be altered in a manner so as to interfere with the proper operation and maintenance thereof.

The term "Common Elements" shall have the meaning set forth for such term in the "Condominium Property Act", Chapter 165 ILCS 605/2(a), as amended from time to time.
The term "Common Area or Areas" is defined as a lot, parcel or area of real property, the beneficial use and enjoyment of which is reserved in whole or as an apportionment to the separately owned lots, parcels or areas within the planned development, even though such be otherwise designated on the plat by terms such as "outlets", "common elements", "open space", "open area", "common ground", "parking" and "common area". The term "Common Area or Areas", and "Common Elements" include real property surfaced with interior driveways and walkways, but excludes real property physically occupied by a building, service business district or structures such as a pool, retention pond or mechanical equipment.

Relocation of facilities will be done by Grantees at cost of the Grantor/Lot Owner, upon written request.

EASEMENT PROVISIONS

An easement is hereby reserved for and granted to NICOR GAS COMPANY, its successors and assigns ("N-Gas") to install, operate, maintain, replace, relocate and remove, facilities used in connection with the transmission and distribution of natural gas in, over, under, across, along and upon the surface of the property shown on this plat marked "Easement", "Utility Easement", "Public Utility Easement", "PUJE" (or similar designation), the property designated in the Declaration of Condominium and/or on this plat as "Common Elements" together with the right to install required service connections over or under the surface of each lot and Common Area or Areas to serve improvements thereon, or on adjacent lots, and common area or areas, and to serve other property, adjacent or otherwise, and the right to remove obstructions, including but not limited to, trees, bushes, roots and saplings, as may be reasonably required incident to the rights herein given, and the right to enter upon the property for all such purposes. Obstructions shall not be placed over the Grantee's facilities or in, upon or over the property within the dashed or dotted lines (or similar designation) marked "Easement", "Utility Easement", "Public Utility Easement", "PUJE" (or similar designation) without the prior written consent of NICOR. After installation of any such facilities, the grade of the property shall not be altered in a manner so as to interfere with the proper operation and maintenance thereof.

The term "Common Elements" shall have the meaning set forth for such term in Section 605/2(a) of the "Condominium Property Act" (Illinois Compiled Statutes, Ch. 165, Sec. 605/2(a), as amended from time to time).
The term "Common Area or Areas" is defined as a lot, parcel or area of real property, including real property surfaced with interior driveways and walkways, the beneficial use and enjoyment of which is reserved in whole or as an apportionment to the separately owned lots, parcels or areas within the property, even though such areas may be designated on this plat by other terms.

PLAN COMMISSION CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF COOK) SS

APPROVED AND ACCEPTED BY THE PLAN COMMISSION OF THE VILLAGE OF FLOSSMOOR, COOK COUNTY, ILLINOIS, AT A MEETING HELD THIS 28th DAY OF March, A.D. 2018.

BY: [Signature]
CHAIRMAN OF THE PLAN COMMISSION

ATTEST: [Signature]
SECRETARY

VILLAGE BOARD CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF COOK) SS

APPROVED AND ACCEPTED BY THE VILLAGE BOARD OF THE VILLAGE OF FLOSSMOOR, COOK COUNTY, ILLINOIS, AT A MEETING HELD THIS 7th DAY OF May, A.D. 2018.

BY: [Signature]
MAYOR

ATTEST: [Signature]
VILLAGE CLERK

VILLAGE COLLECTOR'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF COOK) SS

I, Scott Cooper, VILLAGE COLLECTOR OF FLOSSMOOR, ILLINOIS DO HEREBY CERTIFY THAT THERE ARE NO DELINQUENT UNPAID CURRENT SPECIAL ASSESSMENTS, OR ANY DEFERRED INSTALLMENTS THEREOF THAT HAVE BEEN LEVIED OR APPORTIONED AGAINST ANY OF THE LAND INCLUDED IN THE ANNEXED PLAT.

I FURTHER CERTIFY THAT I HAVE RECEIVED ALL STATUTORY FEES IN CONNECTION WITH THE ANNEXED PLAT.
GIVEN UNDER MY HAND AND SEAL THIS 21st DAY OF August, A.D. 2018.

SIGN EASEMENT #1 PROVISIONS

AN EASEMENT IS HEREBY GRANTED AND RESERVED TO LOT 1 IN MEIER SUBDIVISION, OVER ALL PROPERTY SHOWN WITHIN THE DASHED LINES AND LABELED "SIGN EASEMENT #1" FOR THE PURPOSES OF CONSTRUCTING AND MAINTAINING MONUMENTS AND SIGNAGE FOR THE DEVELOPMENT LOCATED ON SAID LOT 1 IN MEIER SUBDIVISION.

SIGN EASEMENT #2 PROVISIONS

AN EASEMENT IS HEREBY GRANTED AND RESERVED TO LOT 2 IN MEIER SUBDIVISION, OVER ALL PROPERTY SHOWN WITHIN THE DASHED LINES AND LABELED "SIGN EASEMENT #2" FOR THE PURPOSES OF CONSTRUCTING AND MAINTAINING MONUMENTS AND SIGNAGE FOR THE OVERALL DEVELOPMENT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

THIS PLAT HAS BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION WITH RESPECT TO ROADWAY ACCESS PURSUANT TO CH. 2 OF "AN ACT TO REVISE THE "SECTION 11-101 TO PLATS," AS AMENDED, A PLAT THAT MEETS THE REQUIREMENTS CONTAINED IN THE DEPARTMENT'S "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS" AND BE RECORDED BY THE DEPARTMENT.

BY: [Signature] 20
ANTHONY J. BOIGLEY, P.E.
REGION ONE ENGINEER

NOTES:
1. THERE SHALL BE NO DIRECT VEHICULAR ACCESS TO CRAWFORD AVENUE
2. ALL OTHER ACCESSES SHALL BE VIA INTERNAL CIRCULATION.

STATE OF ILLINOIS)
COUNTY OF COOK) SS
WE DECLARE THAT THE ABOVE DESCRIBED PROPERTY WAS SURVEYED AND SUBDIVIDED BY SPACECO, INC., AN ILLINOIS PROFESSIONAL LAND SURVEYOR, NUMBER 194-001157, AND THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION OF SAID SURVEY. ALL DISTANCES ARE SHOWN IN FEET AND DECIMALS THEREOF.

SAID PROPERTY CONTAINS 78.023 SQUARE FEET OR 1.731 ACRES, MORE OR LESS.

WE FURTHER DECLARE THAT THE LAND IS WITHIN THE VILLAGE OF FLOSSMOOR WHICH IS A CITY COMPREHENSIVE PLAN AND MAP AND IS EXERCISING THE SPECIAL POWERS AUTHORIZED BY DIVISION 12 OF ARTICLE 11 OF THE ILLINOIS MUNICIPAL CODE AS AMENDED.

WE FURTHER DECLARE, BASED UPON A REVIEW OF THE FLOOD INSURANCE RATE MAP (F.I.R.M.) COMMUNITY MAP NUMBER 1703100739J WITH MAP REVISED AUGUST 19, 2011, THAT THE LAND IS NOT IN A FLOOD HAZARD ZONE (UNSHADED) - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS IDENTIFIED BY SAID F.I.R.M. MAP.

WE FURTHER DECLARE THAT STEEL REINFORCING RODS (UNLESS OTHERWISE NOTED) WILL BE SET AT ALL LOT CORNERS.

THIS PROFESSIONAL SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS WHICH ARE APPLICABLE TO BOUNDARY SURVEYS.

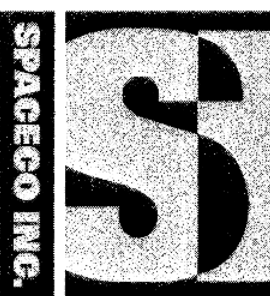
GIVEN UNDER OUR HAND AND SEAL THIS 31st DAY OF JULY, 2018 IN ROSEMONT, ILLINOIS.

[Signature]
REBECCA J. POPECK, J.P.L.S. NO. 035-3642
(VALID ONLY IF EMBOSSED SEAL AFFIXED)



REVISIONS:

06/22/2017
06/28/2017
06/22/2018
07/11/2018 IDOT
07/24/2018
07/31/2018 IDOT



CONSULTING ENGINEERS

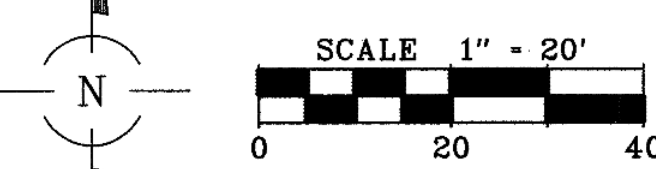
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

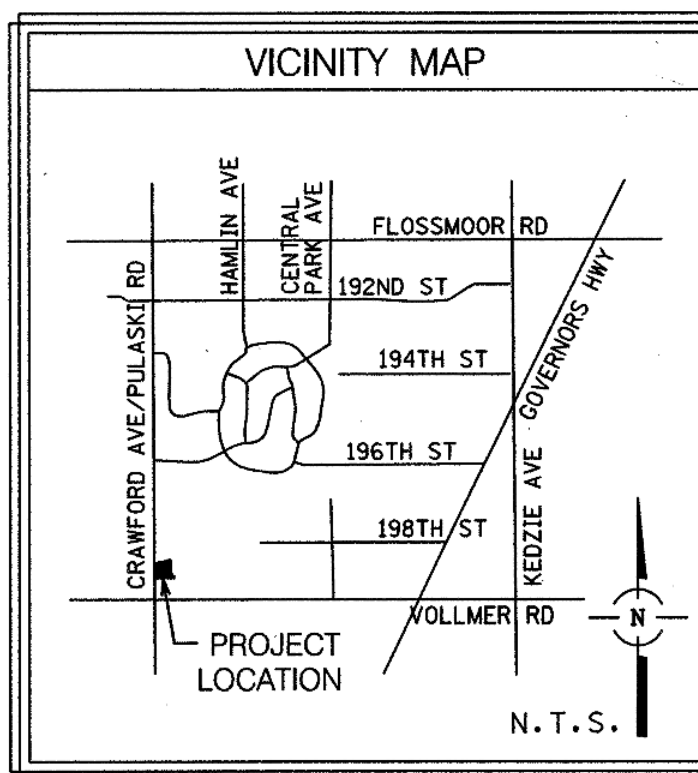
DATE: 05/19/2017

JOB NO: 7267

FILENAME:
7267-07SUB-01
SHEET
1 OF 1



BASIS OF BEARINGS:
TRUE NORTH BASED ON GEODETIC
OBSERVATION IL EAST ZONE



OWNER'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF COOK) SS

THIS IS TO CERTIFY THAT FLOSSMOOR VENTURES LLC IS OWNER OF PART OF THE PROPERTY DESCRIBED HEREON AND THAT IT HAS CAUSED THE SAID PROPERTY TO BE PLATTED AS SHOWN HEREON FOR THE USES AND PURPOSES THEREIN SET FORTH, AND DOES HEREBY ACKNOWLEDGE AND ADOPT THE SAME UNDER THE TITLE THEREON INDICATED.

THIS IS TO ALSO CERTIFY THAT AS OWNER OF THE PROPERTY DESCRIBED AS AND LEGALLY DESCRIBED ON THE PLAT OF THE SAME NAME, HAVE DETERMINED TO THE BEST OF OUR KNOWLEDGE THE SCHOOL DISTRICT IN WHICH EACH OF THE FOLLOWING LOTS LIE.

FLOSSMOOR SCHOOL DISTRICT 161
HOMewood FLOSSMOOR OHSD 233
PRAIRIE STATE CD 515

DATED THIS 7 DAY OF August, A.D. 2018.

BY: [Signature]
Manager

NOTARY PUBLIC CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF COOK) SS

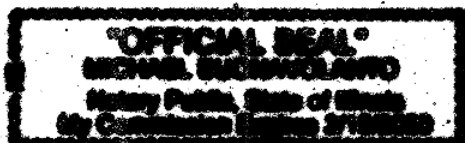
I, Michael Buonavolanto, A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT Carlo M. A. TITLE Manager AND

OF FLOSSMOOR VENTURES LLC WHO IS/ARE PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE/HEY DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTARIAL SEAL

THIS 7 DAY OF August, A.D. 2018.

NOTARY PUBLIC



OWNER'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF COOK) SS

THIS IS TO CERTIFY THAT FLOSSMOOR CRAWFORD PARTNERS LLC IS OWNER OF PART OF THE PROPERTY DESCRIBED HEREON AND THAT IT HAS CAUSED THE SAID PROPERTY TO BE PLATTED AS SHOWN HEREON FOR THE USES AND PURPOSES THEREIN SET FORTH, AND DOES HEREBY ACKNOWLEDGE AND ADOPT THE SAME UNDER THE TITLE THEREON INDICATED.

THIS IS TO ALSO CERTIFY THAT AS OWNER OF THE PROPERTY DESCRIBED AS AND LEGALLY DESCRIBED ON THE PLAT OF THE SAME NAME, HAVE DETERMINED TO THE BEST OF OUR KNOWLEDGE THE SCHOOL DISTRICT IN WHICH EACH OF THE FOLLOWING LOTS LIE.

FLOSSMOOR SCHOOL DISTRICT 161
HOMewood FLOSSMOOR OHSD 233
PRAIRIE STATE CD 515

DATED THIS 8 DAY OF August, A.D. 2018.

BY: [Signature]
Manager

NOTARY PUBLIC CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF COOK) SS

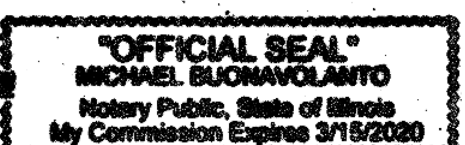
I, Michael Buonavolanto, A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT Timothy Hayes TITLE Manager AND

OF FLOSSMOOR CRAWFORD PARTNERS LLC WHO IS/ARE PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME(S) IS/ARE SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE/HEY DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTARIAL SEAL

THIS 7 DAY OF August, A.D. 2018.

NOTARY PUBLIC



SURFACE WATER DRAINAGE CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF COOK) SS

TO THE BEST OF OUR KNOWLEDGE AND BELIEF THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF SUCH SUBDIVISION OR ANY PART THEREOF, OR THAT IF SUCH SURFACE WATER DRAINAGE WILL BE CHANGED, ADEQUATE PROVISION HAS BEEN MADE FOR COLLECTION AND DIVERSION OF SUCH SURFACE WATERS INTO PUBLIC AREAS OR DRAINS WHICH ARE A RIGHT TO USE, AND THAT SUCH SURFACE WATERS WILL NOT BE DEPOSITED ON THE PROPERTY OF ADJOINING LAND OWNERS IN SUCH CONCENTRATIONS AS MAY CAUSE DAMAGE TO THE ADJOINING PROPERTY BECAUSE OF THE CONSTRUCTION OF THE SUBDIVISION.

DATED THIS 31st DAY OF July, A.D. 2018.

BY: [Signature]
OWNER OR DULY AUTHORIZED ATTORNEY

REGISTERED PROFESSIONAL ENGINEER, LICENSE NO. 062-046926

WILLIAM B. LOFTUS JR.

LICENSE EXPIRES: 11/30/2019

PREPARED FOR:

FLOSSMOOR CRAWFORD VENTURES, LLC
418 CLINTON PLACE
RIVER FOREST, IL 60305

ADDITIONAL PROVISIONS AFFECTING ALL EASEMENTS GRANTED HEREIN

1. OTHER UTILITY LINES. PRIOR TO BEGINNING ANY WORK IN THE EASEMENT AREA, THE GRANTEE SHALL NOTIFY THE STATE OF ILLINOIS (ONE CALL) SYSTEM TO LOCATE UTILITY LINES OR EQUIPMENT LOCATED IN THE EASEMENT AREA, IN ORDER THAT THE GRANTEE MAY AVOID DAMAGING SUCH LINES AND EQUIPMENT AS MAY EXIST, IF ANY.
2. RESERVATION OF RIGHTS. GRANTOR HEREBY RESERVES TO ITSELF, ITS SUCCESSORS AND ASSIGNS, THE RIGHT TO USE THE EASEMENT AREA FOR ANY PURPOSES WHICH DO NOT INTERFERE WITH GRANTEE'S USE OF THE EASEMENT AREA FOR THE PURPOSES FOR WHICH THE EASEMENT RIGHTS DESCRIBED HEREIN ARE BEING GRANTED. SUCH RESERVATION FOR GRANTOR'S USE TO INCLUDE BUT NOT BE LIMITED TO THE INSTALLATION, CONSTRUCTION, MAINTENANCE AND OPERATION OF LANDSCAPING, PARKING AREA, DRIVEWAYS, CURBING, CURB CUTS AND RELATED IMPROVEMENTS.

3. RELOCATION. GRANTEE SHALL HAVE THE RIGHT TO RELOCATE THE GRANTEE'S IMPROVEMENTS, IN WHOLE OR PART, TO ANY OTHER MUTUALLY AGREED UPON LOCATION ON THE GRANTEE'S PROPERTY, PROVIDED THAT SUCH RELOCATION SHALL BE PERFORMED BY THE GRANTEE AT GRANTEE'S EXPENSE. IN THE EVENT OF ANY SUCH RELOCATION, GRANTEE AND GRANTEE SHALL AMEND THIS AGREEMENT TO THE EXTENT NECESSARY IN ORDER TO REFLECT OF RECORD THE NEW LOCATION OF THE EASEMENT AREA.

4. CONSTRUCTION, MAINTENANCE, REPAIR AND OPERATION. THE GRANTEE SHALL EXERCISE REASONABLE EFFORTS TO CONSTRUCT, INSTALL, MAINTAIN, REPAIR, REPLACE AND OPERATE THE GRANTEE'S PROPERTY, PROVIDED THAT SUCH RELOCATION SHALL BE PERFORMED BY THE GRANTEE AT GRANTEE'S EXPENSE. IN THE EVENT OF ANY SUCH RELOCATION, GRANTEE AND GRANTEE SHALL AMEND THIS AGREEMENT TO THE EXTENT NECESSARY IN ORDER TO REFLECT OF RECORD THE NEW LOCATION OF THE EASEMENT AREA.

5. MECHANICS' AND MATERIALMEN'S LIENS. IN THE EVENT ANY MECHANICS' LIENS OR MATERIALMEN'S LIENS ARE FILED AGAINST THE GRANTEE'S PROPERTY, OR ANY PART THEREOF, AS A RESULT OF THE OPERATION, REPAIR, MAINTENANCE OR REPLACEMENT OF THE UTILITY IMPROVEMENTS, OR ANY OTHER WORK PERFORMED BY GRANTEE PURSUANT TO THE EASEMENT RIGHTS GRANTED HEREIN, THE GRANTEE SHALL EITHER PAY OR CAUSE TO BE PAID THE SAME AND HAVE THE LIENS IMMEDIATELY DISCHARGED OF RECORD.

MORTGAGEE'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

THE UNDERSIGNED, First Bank & Trust, AS MORTGAGEE, UNDER THE PROVISIONS OF CERTAIN MORTGAGE DATED AND RECORDED IN THE RECORDER'S OFFICE OF Cook COUNTY, ILLINOIS ON THE 21st DAY OF July, A.D. 2017, OF Cook COUNTY, ILLINOIS ON THE 21st DAY OF July, A.D. 2017.

AS DOCUMENT NUMBER 1720257142, HEREBY CONSENTS TO THE SUBDIVISION STATED HEREIN.

DATED THIS 29th DAY OF August, 2018.

BY: [Signature]
JEFFREY HAYDEN, SR. VICE PRESIDENT

PRINTED NAME AND TITLE

ATTEST

MORTGAGEE'S NOTARY PUBLIC

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

NOTARY PUBLIC

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

NOTARY PUBLIC

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

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STATE OF ILLINOIS)
COUNTY OF DuPage) SS

NOTARY PUBLIC

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

NOTARY PUBLIC

MORTGAGEE'S CERTIFICATE

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

THE UNDERSIGNED, First Bank & Trust, AS MORTGAGEE, UNDER THE PROVISIONS OF CERTAIN MORTGAGE DATED AND RECORDED IN THE RECORDER'S OFFICE OF Cook COUNTY, ILLINOIS ON THE 21st DAY OF July, A.D. 2017, OF Cook COUNTY, ILLINOIS ON THE 21st DAY OF July, A.D. 2017.

AS DOCUMENT NUMBER 1720508005, HEREBY CONSENTS TO THE SUBDIVISION STATED HEREIN.

DATED THIS 29th DAY OF August, 2018.

BY: [Signature]
JEFFREY HAYDEN, SR. VICE PRESIDENT

PRINTED NAME AND TITLE

ATTEST

MORTGAGEE'S NOTARY PUBLIC

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

NOTARY PUBLIC

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

NOTARY PUBLIC

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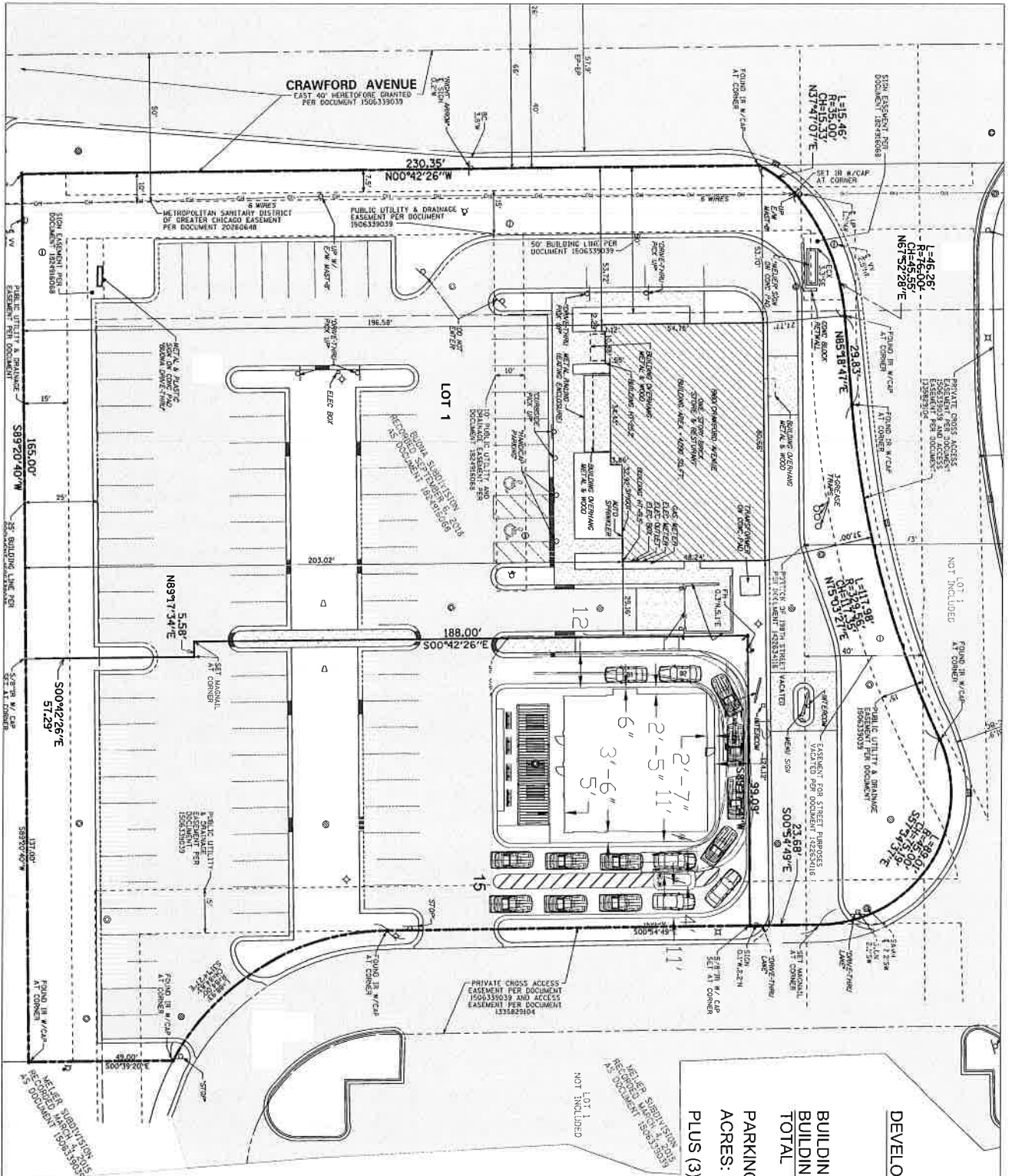
NOTARY PUBLIC

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

NOTARY PUBLIC

STATE OF ILLINOIS)
COUNTY OF DuPage) SS

NOTARY PUBLIC



19781 CRAWFORD AVE
FLOSSMOOR, IL 60422



GENERAL CONTRACTOR

The logo for Keystone Construct, LLC features a stylized graphic on the left composed of several colored squares (green, blue, and purple) and a large blue parallelogram. To the right of the graphic, the word "KEYSTONE" is written in a large, bold, black serif font, and "CONSTRUCT, LLC" is written below it in a smaller, black, sans-serif font.

I HEREBY CERTIFY THAT I HAVE PREPARED OR CAUSED TO PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE VILLAGE OF LAKEMOOR, THE ENVIRONMENTAL BARRIERS ACT [410ILCS 25] AND THE ILLINOIS ACCESSIBILITY CODE (71 ILL. ADM. CODE 400).



OLYMPIC ENGINEERING, PC
 825 S. SCOVILLE AVE.
 OAK PARK, IL 60304
 708.358.8108

NY ENGINEERS

Luigi Randazzo

LUIGI F. RANDAZZO, AIA, ARCHITECT. IL: 001-022921 EXPIRES: 11/30/2022

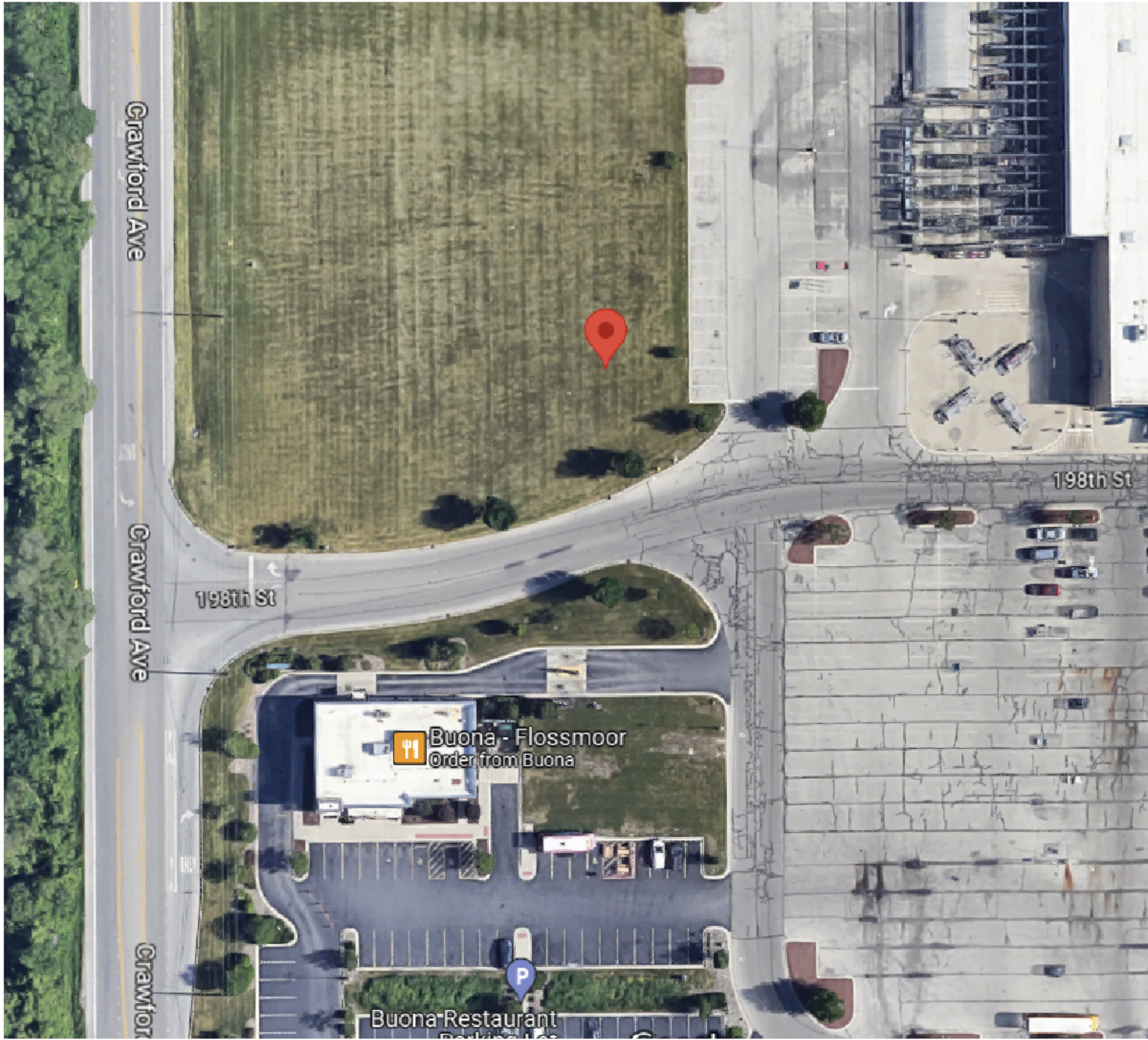
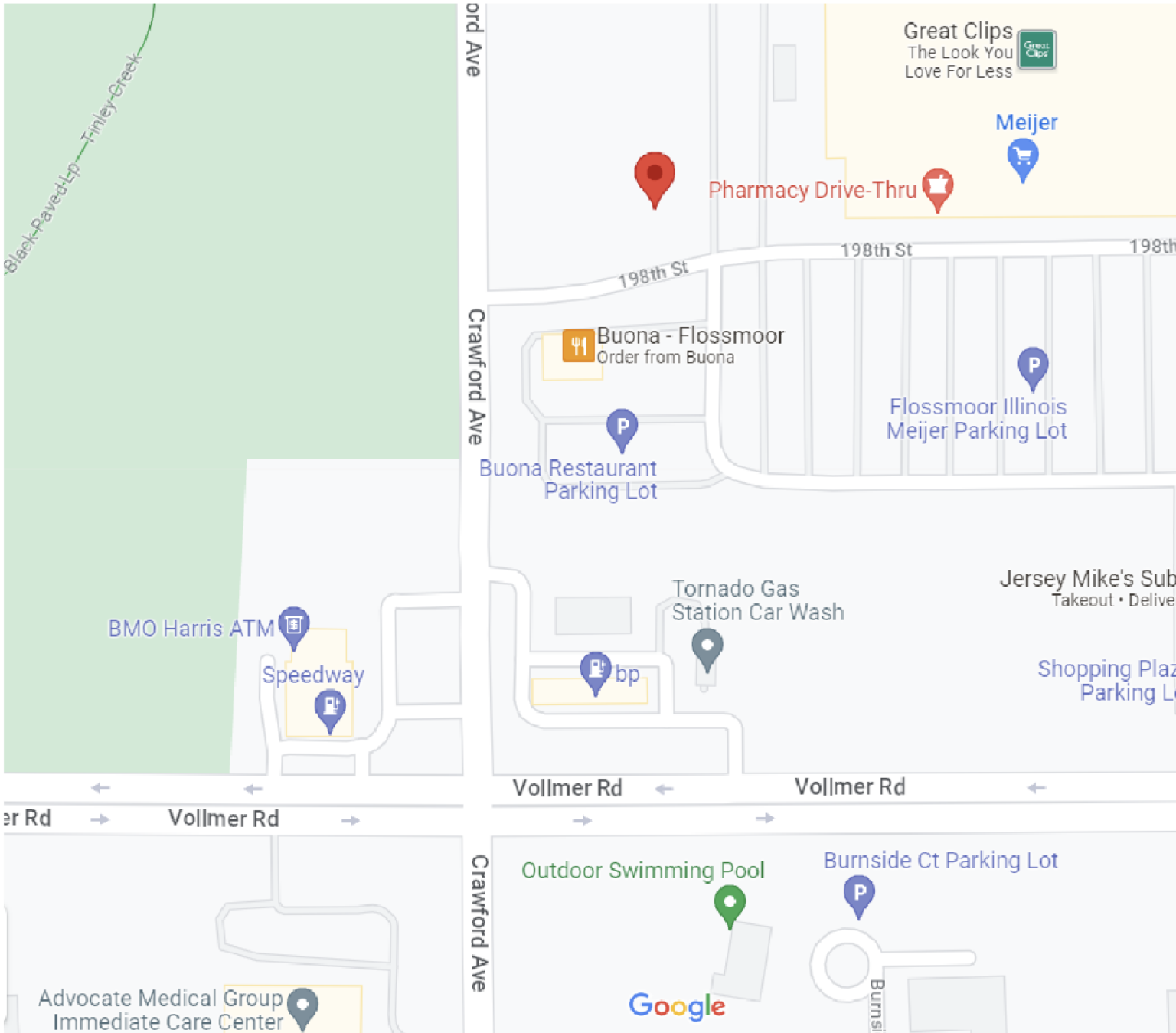


No.	Description	Date
	IFPermit	08/30/2023

COVER SHEET

G000

PERMIT/ BID PACKAGE
RAINBOW CONE
19781 CRAWFORD AVE
FLOSSMOOR, IL 60422



SCOPE OF WORK

1. NEW DRIVE-THRU ICE CREAM RESTAURANT WITH DINE-IN PATIO ACROSS THE FRONT OF THE BUILDING AND TWO ENTRIES AT FRONT OF BUILDING, ONE ENTRY IN BACK
2. STEEL CANOPY COVER PATIO AREA
3. DRIVE THRU QUEUE WITH MENUBOARD, AND TWO WAITING PARALLEL STALLS AFTER PICKUP WINDOW/BUILDING
4. INTERIOR BUILD-OUT OF FINISHES, FIXTURES, AND EQUIPMENT
5. NEW MEP SYSTEMS, PRIMARY/SECONDARY ROOF DRAINAGE, AND BATHROOMS
6. STEEL STUD FRAMED BUILDING WITH STEEL SUBSTRUCTURE

ABBREVIATIONS

NOT ALL USED		
AC	ACCESS FLOOR	MAX
ACT	ACOUSTICAL TILE	MFR/MFG
ADV	ADJUSTABLE (WASHABLE) TILE	MP
ADJ	ADJUSTABLE	MS
A.F.F.	ABOVE FINISHED FLOOR	MTL
ALUM	ALUMINUM	MIN
ALT	ALTERNATE	NOM
AN/ANOD	ANODIZED	NOT IN CONTRACT
APPROX.	APPROXIMATELY	N.T.S.
ARCH.	ARCHITECTURAL	NO
AT	ACOUSTICAL WALL PANEL	O/C
AWP	AWP	O.C.
B	BOTTOM OF	O.H.
BLDG.	BUILDING	O/O
BD	BOARD	OPG
BG	BUMPER GUARD	P.LAM/PL
BR	BRICK	PLS
CAB	CABINET	RCP
C/C	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED	R/RAD
CC	CUBICLE CURTAIN	RS
CCT	CUBICLE CURTAIN TRACK	RWC
CLG HT	CEILING HEIGHT	RT
CL	CORNER GUARD	SC
CLC	CENTER LINE	SHW
CLR	CLEAR	SHW
CMU	CONCRETE MASONRY UNIT	SM
COL	COLUMN	SS
CONC	CONCRETE	SST
CONSTR	CONSTRUCTION	SSTB
CPT	CARPET	STL
CR	CRASHRAIL	STN
CT	CULTURED STONE	SUSP
CTB	CERAMIC TILE BASE	SV
CTF	CERAMIC TILE FLOOR	TB
CTW	CERAMIC TILE WALL	TE
CW	CURTAIN WALL	TE
DTU/DET	DIAMETER	TYP
DIA	DISPENSER	TZ
DTP	DECORATIVE TRANSLUCENT PANEL	TZB
DWGS	DRAWINGS	UON
EB	EDGE BANDING	VCT
ETCD FILM	ETCHED FILM	V.I.F.
EG	END GUARD	VL
ELECT/ELEC	ELECTRICAL DRAWINGS	VT
ELEV(S)EL	ELEVATIONS(S)	WVP
EPT	EPOXY PAINT	WB
EO	EQUAL	WC
ES	EPOXY SEAMLESS FLOOR	WCB
ETR	EXISTING TO REMAIN	WD
EX/EXIST	EXISTING	WDB
DGL	DECORATIVE GLASS	WDP
F	FABRIC	WG
F.E	FIRE EXTINGUISHER	WO
FIN	FINISH	WPS
FIXT	FIXTURE	WR
FLUOR	FLUORESCENT	
FRP	FIBERGLASS REINFORCED PANELS	
GFI	GROUND FAULT INTERRUPTER	
GL	GLASS	
GYP BD/GB	GYP/UM BOARD	
GT	GLASS TILE	
HDWE	HARDWARE	
H.M.	HOLLOW METAL	
HDR	HANDRAIL	
INT	INTEGRAL/COVE BASE	
LAM	LAMINATE	
LS	LINOLEUM SHEET	
LT	LINOLEUM TILE	

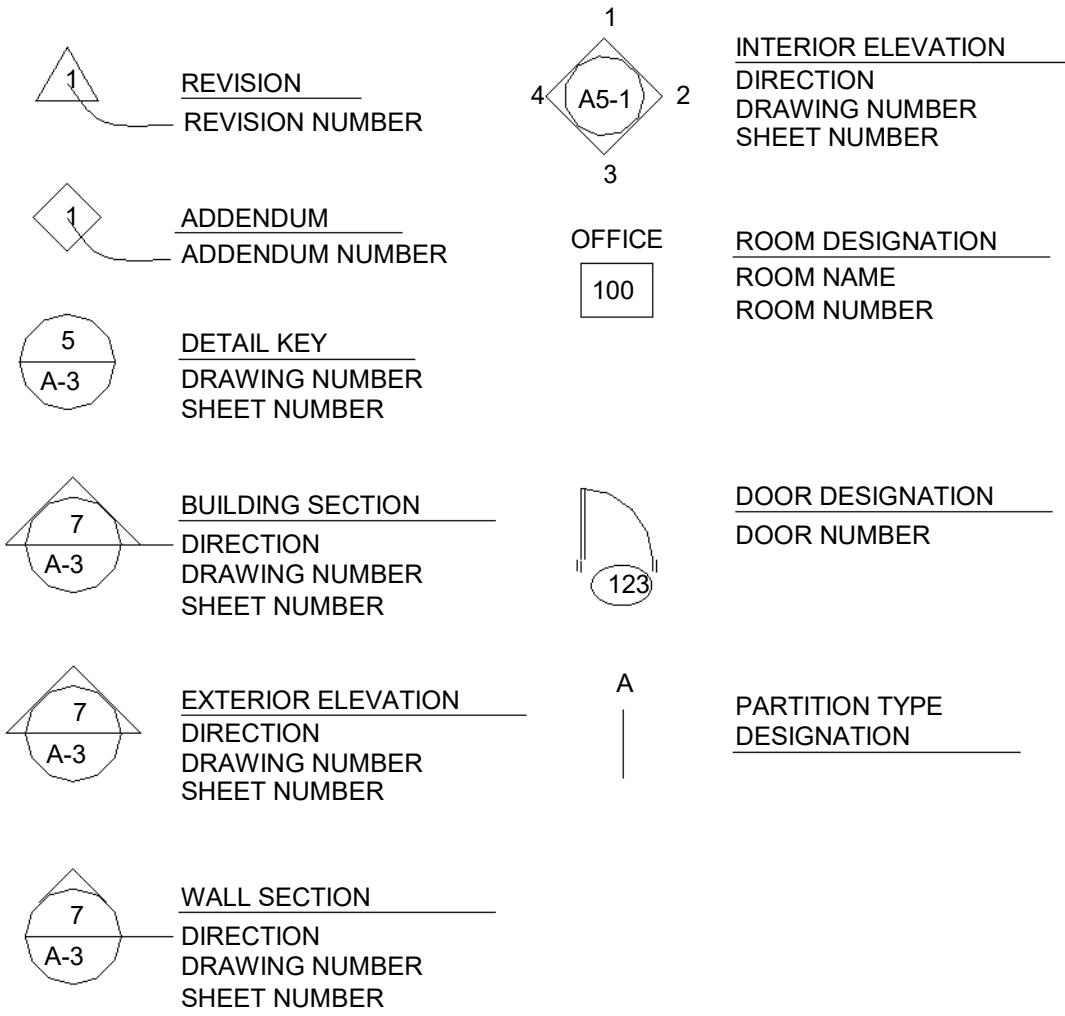
RESPONSIBILITY LEGEND

- GC - TENANT GENERAL CONTRACTOR
- LL - LANDLORD OR LANDLORD GC
- FT - FRANCHISEE, TENANT, OR OWNER'S VENDOR

PROJECT CODES

- 2018 International Mechanical Code
- 2018 International Building Code
- 2011 National Electrical Code*with amendments
- 2014 Illinois Plumbing Code
- 2018 International Energy Conservation Code
- 2018 Accessibility Code

GRAPHIC SYMBOLS



1. CORPORATE ARCHITECT
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Email: luigi@keystoneplanningdesign.com
2. CORPORATE FACILITIES CONTACT
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Email: MikeBuona@buona.com
3. EXTERIOR SIGNAGE
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4. FOOD SERVICE DRAWINGS
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Phone:
Email: jen@foodlines.net
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Phone: 847-740-1776
Email:
6. 3D FEATURE WALL
Firm: IDS
Name:
Phone:
Email:
7. FURNITURE
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Name: Chuck Lewis
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Email: clewis@palmerdigitalgroup.com
9. STAINLESS STEEL
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Email: jheffernan@jaymark.net
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Name: Andrew Faraone
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Email: andrew@pioww.com

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I HEREBY CERTIFY THAT I HAVE PREPARED OR CAUSED TO PREPARED UNDER MY DIRECT SUPERVISION, THE ATTACHED PLANS AND SPECIFICATIONS AND STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF AND EXTENT OF MY CONTRACTUAL OBLIGATION, THEY ARE IN COMPLIANCE WITH THE REQUIREMENTS OF THE LOCAL JURISDICTION, AND CURRENT STATE OF ILLINOIS CODES

LUIGI F. RANDAZZO, AIA, ARCHITECT. IL: 0

01.022921EXPIRES: 11/30/24

Scale

COVER NOTES

G001

BUILDING CODE TABLE										
CONSTRUCTION TYPE	AREA	USE	OCCUPANCY	FIRE ALARM	FIRE SPRINKLE R	NUMBER OF EXITS	EXITS PROVIDED	EXIT WIDTH	TRAVEL DISTANCE	COMMENTS
V-B	2140 SQ.FT. PER FLR	A-2 W/ DRIVE-THRU	112 (SEE KEYNOTES)	Y	Y	2	3	36" 32" CLEAR	SEE PLAN	1

TRAVEL DISTANCES	
Mark	LENGTH
PATH A	43' - 0"
PATH B	66' - 7 17/32"

KEYNOTES - LIFE SAFETY	
01	MERCANTILE AT 60 SF / PERSON - 5 PEOPLE
03	SERVICE AREA AT 200 SF / PERSON - 2 PEOPLE
04	ACTUAL CHAIR COUNT IS 6, PRIMARY BUSINESS IS TAKEOUT MERCANTILE
05	PER FLBC, SINGLE RESTROOM IS LESS THAN 15 TOTAL OCCUPANTS INCLUDING BOTH STAFF AND CUSTOMERS, AND/OR IN MERCANTILE OCCUPANCIES. MINIMUM PLUMBING FIXTURES - 1 WATER CLOSET, 1 LAV, 1 MOP SINK - COMPLIES. DRINKING FOUNTAINS NOT REQUIRED PER CODE IF LESS THAN 15 OCCUPANTS. PUBLIC ACCESS AREA IS ALSO LESS THAN 300 SQ.FT.
FE	U.N.O., PROVIDE SURFACE MOUNT 10# ABC FIRE EXTINGUISHER PER NFPA 10 & WALL BRACKET BLOCKING INSTALLED BY CARPENTER, LOCATE WITHIN 75' APART MAX AND NEAR EXITS.

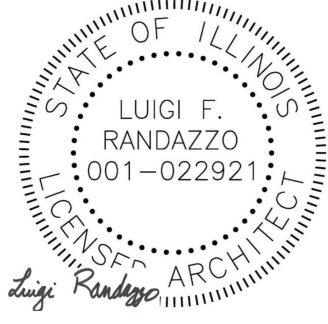


GENERAL NOTES

- SEE LIGHTING PLAN OR RCP FOR EXIT SIGNAGE LAYOUT. BUILDING IS SUPPLIED WITH A BACKUP LIGHTING INVERTER FOR SELECT EGRESS LIGHTING THROUGHOUT INTERIOR AND AT EXTERIOR OF EXIT DOORS, PER E-SHEETS
- EXIT DOORS MUST OPEN IN THE DIRECTION OF TRAVEL AND NOT REQUIRE SPECIAL KNOWLEDGE OR SPECIAL GRASP TO OPERATE. HARDWARE PER IBC.
- ALL INTERIOR FINISHES COMPLY WITH IBC INCLUDING WALL & CEILING FINISHES AND TRIM MEETING CLASS A FLAME SPREAD RATING OF 0-25, AND SMOKE DEVELOPED INDEX OF 200 OR LESS. FLOOR COVERINGS SHALL BE CLASS A WITHIN A CLASS C OCCUPANY DESIGNATION ALL INTERIOR BLOCKING OR PLYWOOD BACKING OF WALL FINISHES TO BE FIRE RETARDANT TREATED

BUILDING CODES

2018 International Mechanical Code
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2018 Accessibility Code



KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT

PRESENTS

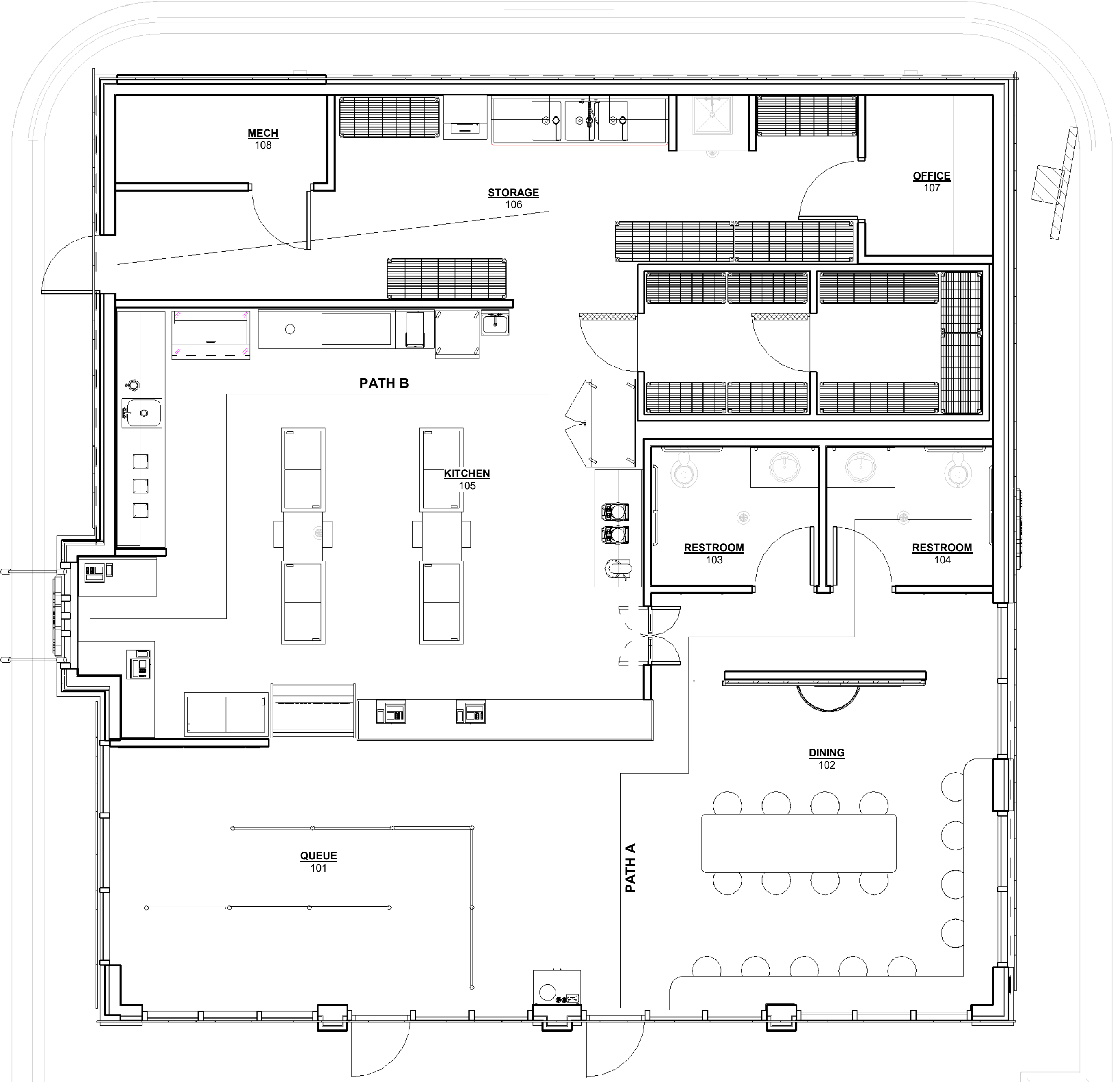
19781 CRAWFORD AVE
FLOSSMOOR, IL 60422

No.	Description	Date
	IFPermit	08/30/2023

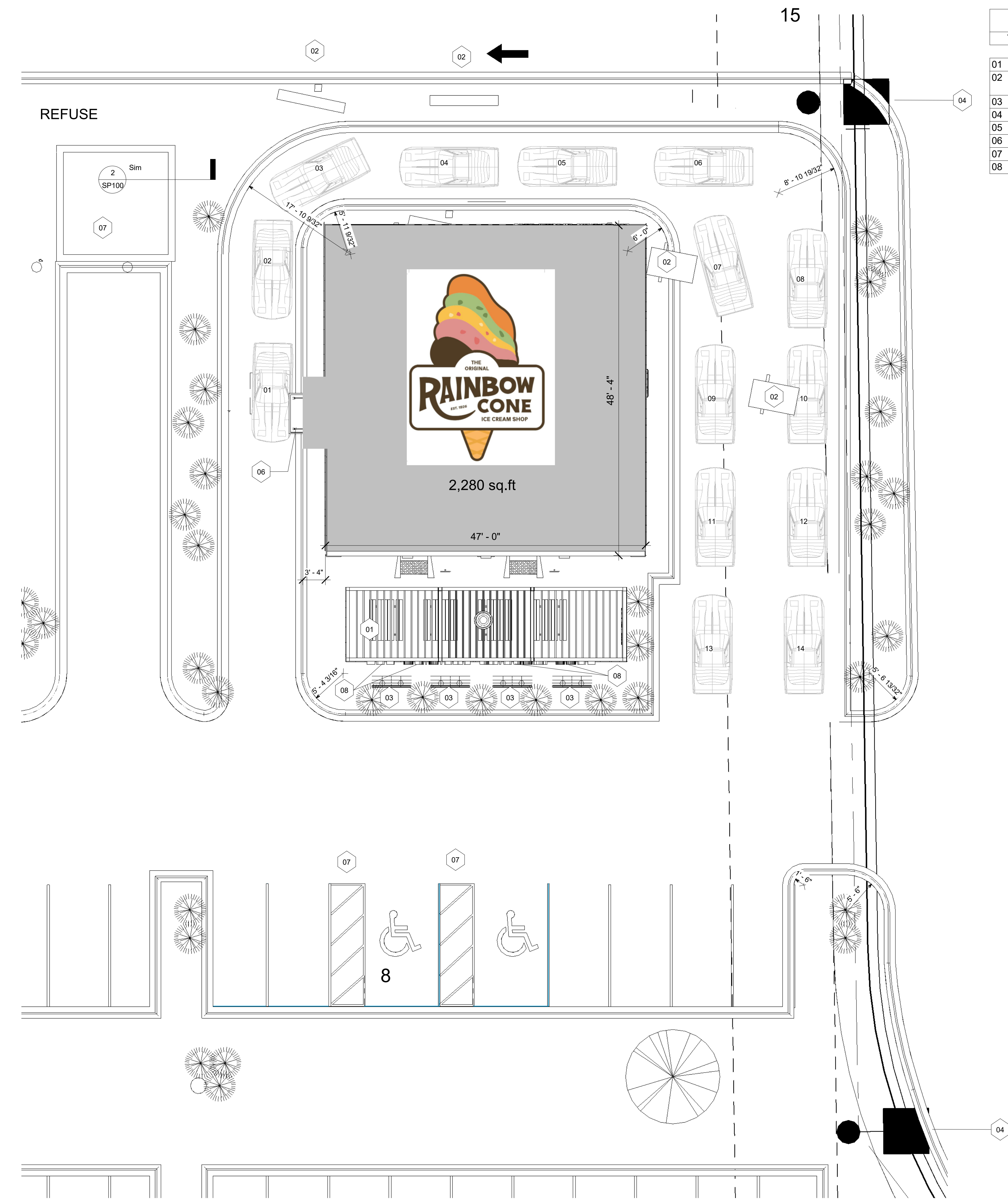
LIFE SAFETY PLAN

G100

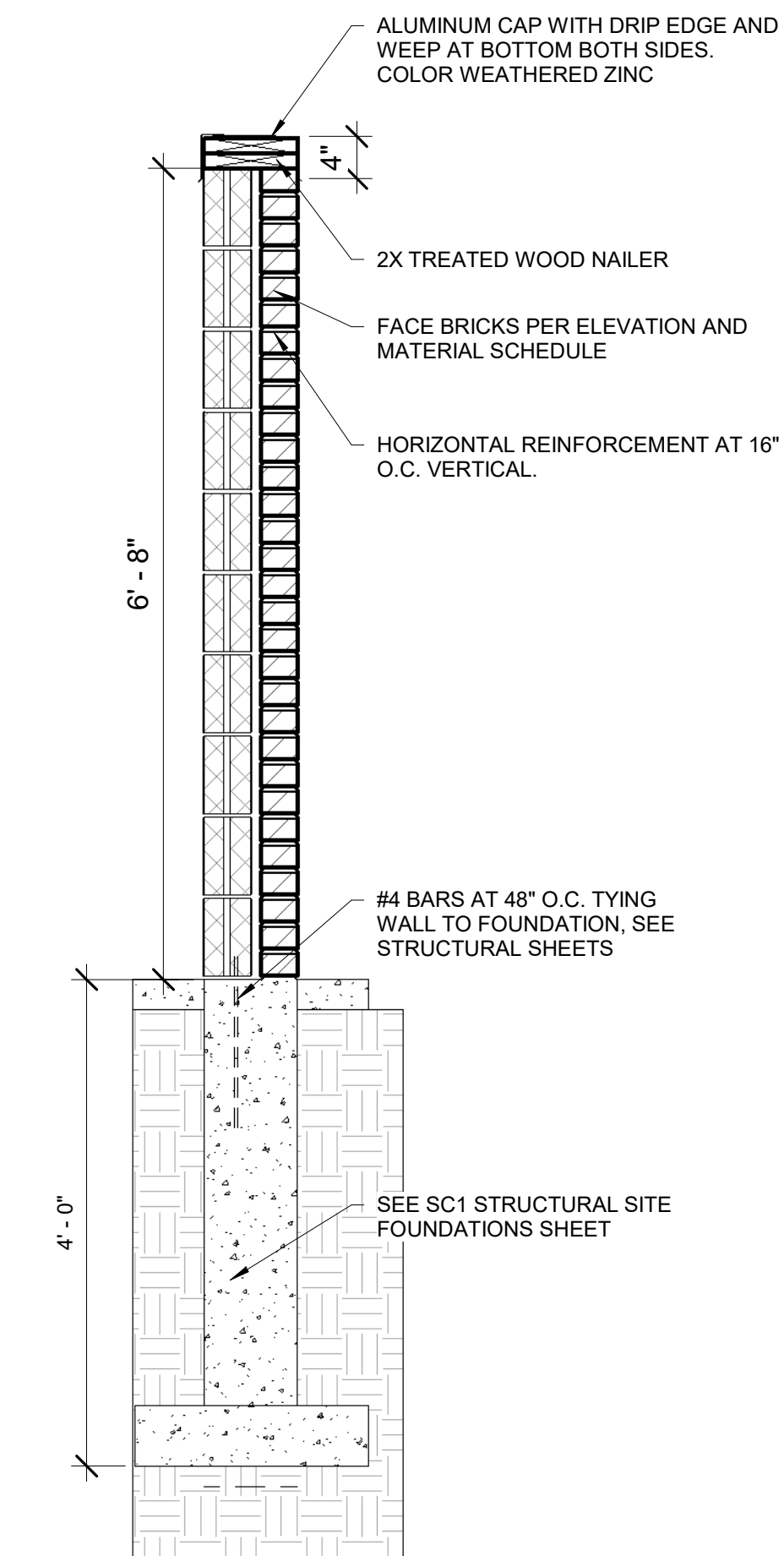
Scale 1/4" = 1'-0"



1 LIFE SAFETY PLAN
1/4" = 1'-0"



SITE LEGEND	
TAG	COMMENTS
01	EXTERIOR SEATING W/ PERGOLA
02	DRIVE THROUGH MENUBOARDS. SEE A315 FOR EXTERIOR SIGNAGE AND MENUBOARDS
03	EXTERIOR BENCH. TO BE MOUNTED TO CONCRETE SIDEWALK
04	EXTERIOR SIGNAGE
05	TRASH ENCLOSURE
06	DRIVE THROUGH CANOPY
07	ADA PARKING AISLE
08	EXTERIOR BUILDING SIGNAGE



1 ARCHITECTURAL SITE PLAN
1/8" = 1'-0"

2 TRASH ENCLOSURE DETAIL
3/4" = 1'-0"



KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT

PRESENTS

19781 Crawford Avenue, Flossmoor, Illinois

No.	Description	Date
IFZ PC		8/23/22

SITE PLAN

SP100

Scale As indicated

GENERAL NOTES

1. REFERENCED CODES

A. ALL PAVEMENT AND STORM SEWER CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (SSRBC), AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS; ADOPTED JANUARY 1, 2022 BY ILLINOIS DEPARTMENT OF TRANSPORTATION AND ALL AMENDMENTS THERE TO; AND IN ACCORDANCE WITH THE LATEST EDITION OF THE CODE OF THE MUNICIPALITY, EXCEPT AS MODIFIED HEREIN. IN CASE OF CONFLICT, MUNICIPAL CODE SHALL TAKE PRECEDENCE.

B. ALL SANITARY SEWER AND WATERMAIN CONSTRUCTION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, PUBLISHED JANUARY 2014, AND IN ACCORDANCE WITH THE CODE OF THE MUNICIPALITY, EXCEPT AS MODIFIED HEREIN OR BY ANY PUBLIC AGENCY PERMITS ISSUED FOR THIS WORK. IN CASE OF CONFLICT, THE MORE RESTRICTIVE PROVISIONS SHALL APPLY.

C. ALL SIDEWALK AND PUBLIC AREAS MUST BE CONSTRUCTED IN ACCORDANCE WITH CURRENT ADA, ILLINOIS HANDICAP ACCESSIBILITY AND ANY APPLICABLE LOCAL ORDINANCES. WHEN CONFLICTS EXIST BETWEEN THE GOVERNING AGENCIES, THE MORE STRINGENT SHALL GOVERN.

D. THE CITED STANDARD SPECIFICATIONS, CODES AND PERMITS, WITH THESE CONSTRUCTION PLANS AND DETAILS, ARE ALL TO BE CONSIDERED PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE CONSIDERED A PART OF THIS CONTRACT.

2. UTILITY LOCATIONS

A. THE UTILITY COMPANIES HAVE BEEN CONTACTED IN REFERENCE TO UTILITIES THEY OWN AND OPERATE WITHIN THE LIMITS FOR THIS PROJECT. DATA FROM THESE AGENCIES HAS BEEN INCORPORATED INTO THE PLANS. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM OR ESTABLISH THE EXISTENCE OF ALL UTILITY FACILITIES AND THEIR EXACT LOCATIONS, AND TO SAFELY SCHEDULE ALL UTILITY RELOCATIONS. FOR ADDITIONAL INFORMATION, THE AGENCIES LISTED ON THIS SHEET MAY BE CONTACTED.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE ENGINEER DOES NOT WARRANT THE LOCATION OF ANY EXISTING UTILITIES SHOWN ON THE PLAN. THE CONTRACTOR SHALL CALL J.U.I.E. AT 800-892-0123 AND THE MUNICIPALITY, FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL CALL ALL UTILITY COMPANIES AND THE MUNICIPALITY TWENTY-FOUR (24) HOURS PRIOR TO STARTING ANY CONSTRUCTION.

C. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES ARE ENCOUNTERED WHICH CONFLICT WITH LOCATIONS OF THE NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.

3. UTILITY COORDINATION

A. OWNER SHALL OBTAIN EASEMENTS AND PERMITS NECESSARY TO FACILITATE CONSTRUCTION OF THE PROPOSED UTILITIES. THE CONTRACTOR, HOWEVER, SHALL FURNISH ALL REQUIRED BONDS AND EVIDENCE OF INSURANCE NECESSARY TO SECURE THESE PERMITS.

B. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NATURE AND STATUS OF ALL UTILITY RELOCATION WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT CONSTRUCTION OPERATIONS DO NOT INTERFERE WITH UTILITY FACILITIES AND RELOCATION WORK. THE SCHEDULE SHOULD REFLECT CONSTRUCTION SEQUENCES WHICH COORDINATE WITH ALL UTILITY RELOCATION WORK. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE ORDER OF ITS WORK FROM TIME TO TIME, TO COORDINATE SAME WITH UTILITY RELOCATION WORK, AND SHALL PREPARE REVISED SCHEDULE(S) IN COMPLIANCE THEREWITH AS DIRECTED BY THE OWNER.

C. THE OWNER AND THE ENGINEER SHALL BE NOTIFIED IN WRITING BY THE CONTRACTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY OPERATION REQUIRING COOPERATION WITH OTHERS. AT&T SHALL BE CONTACTED ONE MONTH PRIOR TO START OF CONSTRUCTION IN ITS UTILITY AREAS. ALL OTHER AGENCIES, UNLESS OTHERWISE NOTED, SHALL BE NOTIFIED IN WRITING BY THE CONTRACTOR TEN (10) DAYS PRIOR TO THE START OF ANY SUCH OPERATION.

4. NO PLAN SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION". PRIOR TO COMMENCEMENT OF CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THE WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES WITH WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO ENGINEER BEFORE DOING ANY WORK. OTHERWISE, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTIONS ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.

5. ALL PROPOSED ELEVATIONS SHOWN ON THE PLANS ARE FINISHED SURFACE ELEVATIONS, UNLESS OTHERWISE SPECIFIED.

6. UPON AWARDING OF THE CONTRACT, AND WHEN REQUIRED BY THE MUNICIPALITY OR OWNER, THE CONTRACTOR SHALL FURNISH A LABOR, MATERIAL AND PERFORMANCE BOND IN THE AMOUNT REQUIRED GUARANTEEING COMPLETION OF THE WORK. THE UNDERWRITER SHALL BE ACCEPTABLE TO THE MUNICIPALITY OR OWNER, AS APPROPRIATE.

7. THE CONTRACTORS SHALL PLAN THEIR WORK BASED ON THEIR OWN BORINGS, EXPLORATIONS AND OBSERVATIONS TO DETERMINE SOIL CONDITIONS AT THE LOCATION OF THE PROPOSED WORK. HOWEVER, IF THE OWNER HAS A SOILS REPORT, THE RESULTS WILL BE AVAILABLE FROM THE OWNER UPON WRITTEN REQUEST.

8. CONTRACTOR SHALL VIDEO TAPE WORK AREA PRIOR TO CONSTRUCTION FOR THE PURPOSE OF DOCUMENTING EXISTING CONDITIONS.

9. COMMENCING CONSTRUCTION

A. THE CONTRACTOR SHALL NOTIFY THE OWNER AND/OR HIS REPRESENTATIVE AND THE AFFECTED GOVERNMENTAL AGENCIES IN WRITING, IN FULL WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES, EITHER MUNICIPALITY'S OR THE OWNERS, SUFFICIENTLY IN ADVANCE OF CONSTRUCTION. ALL MATERIAL TESTING SHALL BE THE RESPONSIBILITY AND EXPENSE OF THE CONTRACTOR. THE TESTING AGENCY SHALL MEET THE APPROVAL OF THE OWNER.

B. FAILURE OF CONTRACTOR TO ALLOW PROPER NOTIFICATION TIME WHICH RESULTS IN TESTING COMPANIES TO BE UNABLE TO VISIT SITE FOR TESTING WILL CAUSE CONTRACTOR TO SUSPEND OPERATION (PERTAINING TO TESTING) UNTIL TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COST OF SUSPENSION OF WORK TO BE BORNE BY CONTRACTOR.

10. ALL CONTRACTORS SHALL KEEP ACCESS AVAILABLE AT ALL TIMES FOR ALL TYPES OF TRAFFIC. AT NO TIME SHALL ACCESS BE DENIED TO ADJACENT PROPERTIES.

11. THE CONTRACTOR SHALL PRESERVE ALL CONSTRUCTION STAKES UNTIL THEY ARE NO LONGER NEEDED. ANY STAKES DESTROYED OR DISTURBED BY THE CONTRACTOR PRIOR TO THEIR USE SHALL BE RESET BY THE DEVELOPER'S ENGINEER AT CONTRACTOR'S COST.

12. ANY EXISTING SIGNS, LIGHT STANDARDS AND UTILITY POLES WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND NOT NOTED FOR DISPOSAL, SHALL BE REMOVED AND RESET BY THE CONTRACTOR AT HIS OWN EXPENSE AS SHOWN ON THE ENGINEERING PLANS OR AS DIRECTED BY THE DEVELOPER. ANY DAMAGE TO THESE ITEMS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE OWNER. ANY SIGNS NOT REQUIRED TO BE RESET, SHALL BE DELIVERED TO THE RESPECTIVE OWNERS.

13. REMOVAL OF SPECIFIED ITEMS, INCLUDING BUT NOT LIMITED TO, PAVEMENT, SIDEWALK, CURB, CURB AND GUTTER, CULVERTS, ETC. SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT HIS OWN EXPENSE. HE IS RESPONSIBLE FOR ANY PERMIT REQUIRED FOR SUCH DISPOSAL.

14. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR SHALL BE RESTORED TO PROPER OPERATING CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE OR DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE CONTRACTOR AND TURNED OVER TO THE ENGINEER, DEVELOPER OR MUNICIPAL ENGINEER UPON COMPLETION OF THE PROJECT. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

15. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SAFETY ON THE JOB.

16. THE CONTRACTOR SHALL COLLECT AND REMOVE ALL CONSTRUCTION DEBRIS, EXCESS MATERIALS, TRASH, OIL AND GREASE RESIDUE, MACHINERY, TOOLS AND OTHER MISCELLANEOUS ITEMS WHICH WERE NOT PRESENT PRIOR TO PROJECT COMMENCEMENT AT NO ADDITIONAL EXPENSE TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY AND ALL PERMITS NECESSARY FOR THE HAULING AND DISPOSAL REQUIRED FOR CLEAN-UP AS DIRECTED BY THE ENGINEER OR OWNER. BURNING ON THE SITE IS NOT PERMITTED.

17. ALL EXISTING UTILITIES OR IMPROVEMENTS, INCLUDING WALKS, CURBS, PAVEMENT AND PARKWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE PROMPTLY RESTORED TO THEIR RESPECTIVE ORIGINAL CONDITION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT UNLESS SPECIFICALLY NOTED ON THE PLANS.

18. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND SHALL BE PROTECTED UNDER THE PROVISIONS OF (SSRBC) ARTICLE 201.05.

19. LIMB PRUNING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE LANDSCAPE ARCHITECT MEETING THE OWNER'S APPROVAL AND SHALL BE UNDERTAKEN IN A TIMELY FASHION SO AS NOT TO INTERFERE WITH CONSTRUCTION.

20. ALL LIMBS, BRANCHES, AND OTHER DEBRIS RESULTING FROM THIS WORK SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR AT HIS OWN EXPENSE OFF-SITE.

21. ALL CUTS OVER 1" IN DIAMETER SHALL BE MADE FLUSH WITH THE NEXT LARGE BRANCH. WOUNDS OVER 1" IN DIAMETER SHALL BE PAINTED WITH AN APPROVED TREE PAINT.

22. GENERAL EXCAVATION/UNDERGROUND NOTES

A. SLOPE SIDES OF EXCAVATIONS TO COMPLY WITH CODES AND ORDINANCES HAVING JURISDICTION. SHORE AND BRACE WHERE SLOPING IS NOT POSSIBLE EITHER BECAUSE OF SPACE RESTRICTIONS OR STABILITY OF MATERIAL EXCAVATED. MAINTAIN SIDES AND SLOPES OF EXCAVATIONS IN A SAFE CONDITION UNTIL COMPLETION OF BACKFILLING.

B. PROVIDE MATERIALS FOR SHORING AND BRACING, SUCH AS SHEET PILING, UPRIGHTS, STRINGERS AND CROSS BRACES, IN GOOD SERVICEABLE CONDITION. PROVIDE MINIMUM REQUIREMENTS FOR TRENCH SHORING AND BRACING TO COMPLY WITH CODES AND AUTHORITIES HAVING JURISDICTION. MAINTAIN SHORING AND BRACING IN EXCAVATIONS REGARDLESS OF TIME PERIOD EXCAVATIONS WILL BE OPEN. CARRY DOWN SHORING AND BRACING AS EXCAVATION PROGRESSES IN ACCORDANCE WITH OSHA AND GOVERNING AUTHORITY.

C. PREVENT SURFACE WATER AND SUBSURFACE OR GROUNDWATER FROM FLOWING INTO EXCAVATIONS. REMOVE WATER TO PREVENT SOFTENING OF FOUNDATION BOTTOMS, UNDERCUTTING FOOTINGS, AND SOIL CHANGES DETRIMENTAL TO STABILITY OF SUBGRADES AND FOUNDATIONS. PROVIDE AND MAINTAIN PUMPS, SUMPS, SUCTION AND DISCHARGE LINES AND OTHER DEWATERING SYSTEM COMPONENTS NECESSARY TO CONVEY WATER AWAY FROM EXCAVATIONS. CONVEY WATER REMOVED FROM EXCAVATIONS AND RAINWATER TO COLLECTING OR RUN-OFF AREAS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. PROVIDE AND MAINTAIN TEMPORARY DRAINAGE DITCHES AND OTHER DIVERSIONS OUTSIDE EXCAVATION LIMITS FOR EACH STRUCTURE. DO NOT USE TRENCH EXCAVATIONS AS TEMPORARY DRAINAGE DITCHES.

D. IMMEDIATELY REPORT CONDITIONS THAT MAY CAUSE UNSOUND BEARING TO THE OWNER/DEVELOPER BEFORE CONTINUING WORK.

23. FINAL ACCEPTANCE

A. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF FINAL ACCEPTANCE OF THE PROJECT AND THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE DURING THAT PERIOD. THIS GUARANTEE SHALL BE PROVIDED IN THE FORM OF MAINTENANCE BOND IN THE AMOUNT OF 10% OF THE COST OF IMPROVEMENTS.

B. BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED BY THE OWNER OR HIS REPRESENTATIVE. FINAL PAYMENT WILL BE MADE AFTER ALL THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.

C. NO UNDERGROUND WORK SHALL BE COVERED UNTIL IT HAS BEEN APPROVED BY THE MUNICIPALITY. APPROVAL TO PROCEED MUST BE OBTAINED FROM THE MUNICIPALITY PRIOR TO INSTALLING PAVEMENT BASE, BINDER, SURFACE, AND PRIOR TO PLACING ANY CONCRETE AFTER FORMS HAVE BEEN SET.

D. AT THE CLOSE OF EACH WORKING DAY AND AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

24. UNDERGROUND NOTES

A. UNDERGROUND WORK SHALL INCLUDE TRENCHING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS, FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED, BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT.

B. WHERE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, EXISTING DRAINAGE STRUCTURES AND SYSTEMS SHALL BE CLEANED OF DEBRIS AND PATCHED AS NECESSARY TO ASSURE INTEGRITY OF THE STRUCTURE. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STRUCTURES AND CONTRACT UNIT PRICE PER LINEAL FOOT FOR SYSTEMS WHICH SHALL BE PAYMENT IN FULL FOR CLEANING, PATCHING, REMOVAL AND DISPOSAL OF DEBRIS AND DIRT. DRAINAGE STRUCTURES AND SYSTEMS CONSTRUCTED AS PART OF THIS PROJECT SHALL BE MAINTAINED BY THE CONTRACTOR AT HIS EXPENSE. NO PAYMENT WILL BE MADE FOR CLEANING STRUCTURES OR SYSTEMS CONSTRUCTED AS PART OF THIS PROJECT.

C. ANY DEWATERING OF SEWER AND WATER TRENCHES AS WELL AS TEMPORARY SHEETING OR BRACING THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL NOT BE CONSIDERED EXTRA WORK UNLESS THERE IS A SPECIFIC LINE ITEM FOR DEWATERING. IN THE EVENT THAT SOFT MATERIALS WITH UNCONFINED COMPRESSIVE STRENGTH LESS THAN 0.5 TSF ARE ENCOUNTERED IN SEWER CONSTRUCTION, THE CONTRACTOR SHALL, UPON APPROVAL OF THE OWNER AND/OR ENGINEER, OVER-EXCAVATE TO A DEPTH OF ONE (1) FOOT BELOW THE BOTTOM OF THE PIPE AND BACKFILL WITH COMPACTED CRUSHED STONE, PROPERLY FORMED TO FIT THE BOTTOM OF THE PIPE.

D. TRENCH BACKFILL WILL BE REQUIRED FOR THE FULL TRENCH DEPTH WITHIN TWO (2) FEET OF PROPOSED OR EXISTING PAVEMENTS, UTILITIES, DRIVEWAYS, AND SIDEWALKS AND EXTENDING A DISTANCE EQUAL TO A 1:1 SLOPE FROM SUBGRADE ELEVATION TO TOP OF PIPE. THE TRENCH BACKFILL SHALL CONSIST OF GRANULAR MATERIAL MEETING IDOT CA-6 GRADATION. THE TRENCH BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH (SSRBC) SPECIFICATIONS. JETTING WITH WATER SHALL NOT BE PERMITTED. THE COST OF SUCH CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT AND SHALL BE INCLUDED IN THE UNIT PRICE OF THE PIPE. NO SEPARATE PAYMENT SHALL BE MADE FOR THIS ITEM.

E. THE CONTRACTOR SHALL INSTALL A 4" X 4" X 8' (NOMINAL) POST AT THE TERMINUS OF THE SANITARY, WATER AND STORM SERVICE, SANITARY AND STORM MANHOLES, CATCH BASINS, INLETS AND WATER VAULTS. THE POST SHALL EXTEND 4" ABOVE THE GROUND. THE TOP 12" OF SAID POST SHALL BE PAINTED AS FOLLOWS: SANITARY - RED, WATERMAIN - BLUE, STORM - GREEN.

F. AFTER THE STORM SEWER SYSTEM HAS BEEN CONSTRUCTED, THE CONTRACTOR SHALL PLACE EROSION CONTROL AT REAR YARD INLET LOCATIONS, AND AT OTHER LOCATIONS SELECTED BY THE ENGINEER, TO MINIMIZE THE AMOUNT OF SILTATION WHICH NORMALLY WOULD ENTER THE STORM SEWER SYSTEM.

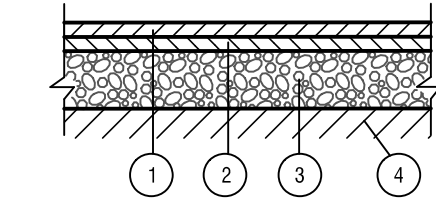
G. HYDRANTS SHALL NOT BE FLUSHED DIRECTLY ON THE ROAD SUBGRADES. WHENEVER POSSIBLE, HOSES SHALL BE USED TO DIRECT THE WATER INTO LOT AREAS OR THE STORM SEWER SYSTEM (IF AVAILABLE). DAMAGE TO THE ROAD SUBGRADE OR LOT GRADING DUE TO EXCESSIVE WATER SATURATION AND/OR EROSION FROM HYDRANT FLUSHING, OR FROM LEAKS IN THE WATER DISTRIBUTION SYSTEM, WILL BE REPAIRED BY THE CONTRACTOR AT HIS COST.

H. ALL TOP OF FRAMES FOR STORM AND SANITARY SEWERS AND VALVE VAULT COVERS ARE TO BE ADJUSTED TO MEET FINAL FINISH GRADE. THIS ADJUSTMENT IS TO BE MADE BY THE SEWER AND WATER CONTRACTOR AND THE COST IS TO BE CONSIDERED INCIDENTAL. THESE ADJUSTMENTS TO FINISHED GRADE WILL NOT ALLEVIATE THE CONTRACTOR FROM ANY ADDITIONAL ADJUSTMENTS AS REQUIRED BY THE MUNICIPALITY UPON FINAL INSPECTION OF THE PROJECT. (FINAL GRADES TO BE DETERMINED BY THE MUNICIPALITY AT THE TIME OF FINAL INSPECTION AND MAY VARY FROM PLAN GRADES.).

I. SLEEVES FOR UTILITY (COMED, TELEPHONE, ETC.) STREET CROSSING, SHALL BE INSTALLED WHERE DIRECTED BY THE OWNER. SLEEVES SHALL BE 6" PVC INSTALLED 36" BELOW THE TOP OF CURB AND EXTEND TWO FEET OUTSIDE THE CURB. TRENCH SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL.

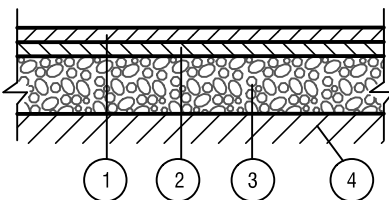
J. THE CONTRACTOR SHALL VERIFY THE SIZE AND INVERT ELEVATION OF ALL CONNECTIONS TO AVOID ANY CONFLICTS BEFORE STARTING WORK. NOTIFY OWNER OF ANY DISCREPANCIES.

25. IT SHALL BE UNDERSTOOD THAT NEITHER THE MUNICIPALITY, ITS OFFICIALS, CONSULTANTS, NOR ITS EMPLOYEES ARE AGENTS OF OR REPRESENTATIVES OF THE OWNER, NONE-THE-LESS, THE MUNICIPALITY, ITS OFFICIALS AND EMPLOYEES ARE TO BE PROVIDED SAFE ACCESS TO ALL PHASES OF ALL WORK PERFORMED ON THE PROJECT SITE TO MONITOR THE QUALITY OF THE WORK AND ASSURE ITS CONFORMITY WITH THE PLANS AND SPECIFICATIONS. THERE SHALL BE NO PERSONAL LIABILITY UPON ANY OFFICIAL OR EMPLOYEE OF THE MUNICIPALITY ON ACCOUNT OF ACTIONS TAKEN OR NOT TAKEN IN THE COURSE OF THEIR WORK. THE CONTRACTOR MUST AT ALL TIMES MAINTAIN A SAFE ACCESS TO THE WORK FOR INSPECTORS. "SAFE", MEANING CONDITIONS COMPLYING WITH ALL PROVISIONS OF ALL APPLICABLE AND RECOGNIZED SAFETY STANDARDS, FEDERAL, STATE AND LOCAL. IF ACCESS IS NOT SAFE AND INSPECTIONS CANNOT BE MADE UNDER SAFE CONDITIONS, THE INSPECTOR CAN ORDER CESSATION OF THE WORK SO AFFECTED UNTIL SUCH TIME AS CONTRACTOR PROVIDES SAFE ACCESS.



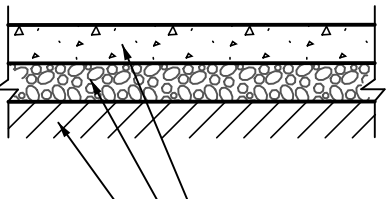
TYPICAL ASPHALT PAVEMENT SECTION (LIGHT DUTY)

- N.T.S.
- 1. 1.5" HMA SURFACE COURSE, MIX "C", N50
 - 2. 2.5" HMA BINDER COURSE, IL 19.0, N50
 - 3. 10" AGGREGATE BASE COURSE, TYPE B
 - 4. COMPACTED AND STABLE SUBGRADE



TYPICAL ASPHALT PAVEMENT SECTION (HEAVY DUTY)

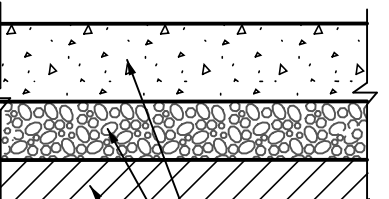
- N.T.S.
- 1. 1.5" HMA SURFACE COURSE, MIX "C", N50
 - 2. 2.5" HMA BINDER COURSE, IL 19.0, N50
 - 3. 12" AGGREGATE BASE COURSE, TYPE B
 - 4. COMPACTED AND STABLE SUBGRADE



- 5" PORTLAND CEMENT CONCRETE
- 4" AGGREGATE BASE COURSE, TYPE B
- COMPACTED AND STABLE SUBGRADE

TYPICAL SIDEWALK SECTION

N.T.S.



- 8" PORTLAND CEMENT CONCRETE
- 4" AGGREGATE BASE COURSE, TYPE B
- COMPACTED AND STABLE SUBGRADE

TYPICAL CONCRETE PAVEMENT SECTION

N.T.S.

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
	DRAIN TILE	
	STORM SEWER	
	SANITARY SEWER	
	SANITARY TRUNK SEWER	
	WATER MAIN (WITH SIZE)	
	PIPE TRENCH BACKFILL	
	GAS MAIN	
	TELEPHONE LINES	
	ELECTRIC LINE	
	FENCE	
	RIGHT-OF-WAY	
	EASEMENT	
	PROPERTY LINE	
	SETBACK LINE	
	CENTERLINE	
	600' CONTOUR	
	SANITARY MANHOLE	
	STORM MANHOLE	
	CATCH BASIN	
	INLET	
	FIRE HYDRANT	
	PRESSURE CONNECTION	
	PIPE REDUCER	
	VALVE AND VAULT, VALVE	
	FLARED END SECTION	
	STREET LIGHT	
	UTILITY POLE	
	CONTROL POINT	
	SIGN	
	SPOT ELEVATION	
	SOIL BORING	
	OVERLAND FLOW ROUTE	
	DRAINAGE SLOPE	
	GUARDRAIL	
	WATER'S EDGE	
	CONCRETE	
	REVERSE PITCH CURB	
	TREE, FIR TREE, BUSH, & PROPOSED TREE TO REMOVE	

ABBREVIATIONS

M = STORM MANHOLE	I = INVERT OR INLET	T/P = TOP OF PIPE
S = SANITARY MANHOLE	TF = TOP OF FOUNDATION	B/P = BOTTOM OF PIPE
CB = CATCH BASIN	GF = GARAGE FLOOR	WM = WATERMAIN
LP = LIGHT POLE	TC = TOP OF CURB	SAN = SANITARY SEWER
VV = VALVE VAULT	TD = TOP OF DEPRESSED CURB	STM = STORM SEWER
E = END SECTION	TW = TOP OF RETAINING WALL	LO = LOOK OUT
BW = FIRE HYDRANT	BRW = BOTTOM OF RETAINING WALL	PLO = PARTIAL LOOK OUT
GR = GRADE RING (HYDRANT)	OP = OUTLET OF PIPE	

PERMITS

DESCRIPTION	LOG NO.	PERMIT NO.	DATE ISSUED
MWRDGC			
VILLAGE OF FLOSSMOOR			

CONTACT INFORMATION

AT&T (630) 573-5450 COMED 1910 SWIFT ROAD OAKBROOK, IL 60521 PH: (630) 576-7094 COMCAST 688 INDUSTRIAL DRIVE ELMHURST, IL 60126 PH:(630) 600-6352 CONTACT: MARTHA GIERAS NICOR GAS 1844 FERRY ROAD NAPERVILLE, IL 60563 PH: (630) 388-3046 CONTACT: BRUCE KOPPANG	VILLAGE OF FLOSSMOOR 2800 FLOSSMOOR ROAD FLOSSMOOR, IL 60422 PH: 708-798-2300 FX: 708-798-4016 NATURAL GAS PIPELINE CO. 370 VAN GORDON STREET LAKEWOOD, CO 80228 PH: (303) 944-4625 CONTACT: CLAUDIA LEAL MWRDGC 100 WEST ERIE STREET CHICAGO, IL 60611 PH: (708) 588-4055 LEVEL 3 COMMUNICATIONS 1025 EL DORADO BLVD. BROOMFIELD, CO 80021 PH: (877) 366-8344	WIDE OPEN WEST 1614 FRONTENAC ROAD NAPERVILLE, IL 60563 OFFICE: 630-536-3139 MOBILE: 630-803-9660 CONTACT: PAUL FLINKOW
--	---	---

TYPICAL SECTIONS AND GENERAL NOTES

RAINBOW CONE - FLOSSMOOR
FLOSSMOOR, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS



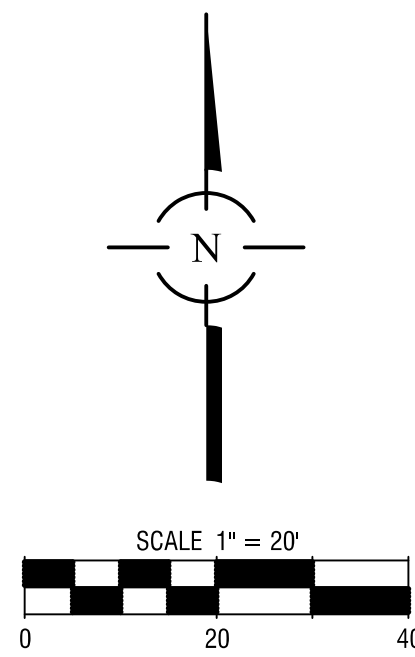
FILENAME:
7267.08GN

DATE:
08/29/2023

JOB NO.
7267.08

SHEET

GN



SITE BENCHMARK#2:
NORTHEAST BOLT ON FIRE HYDRANT AT THE NORTHEAST CORNER
OF THE SURVEYED PROPERTY.
ELEVATION = 702.87 NAVD88

[illegible]

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

5 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
936-4060 Fax: (847) 696-4065

Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

FILENAME:
7267.08ET

DATE:
08/29/2023

JOB NO.
7267.08

SHEET

ET

3 OF 15

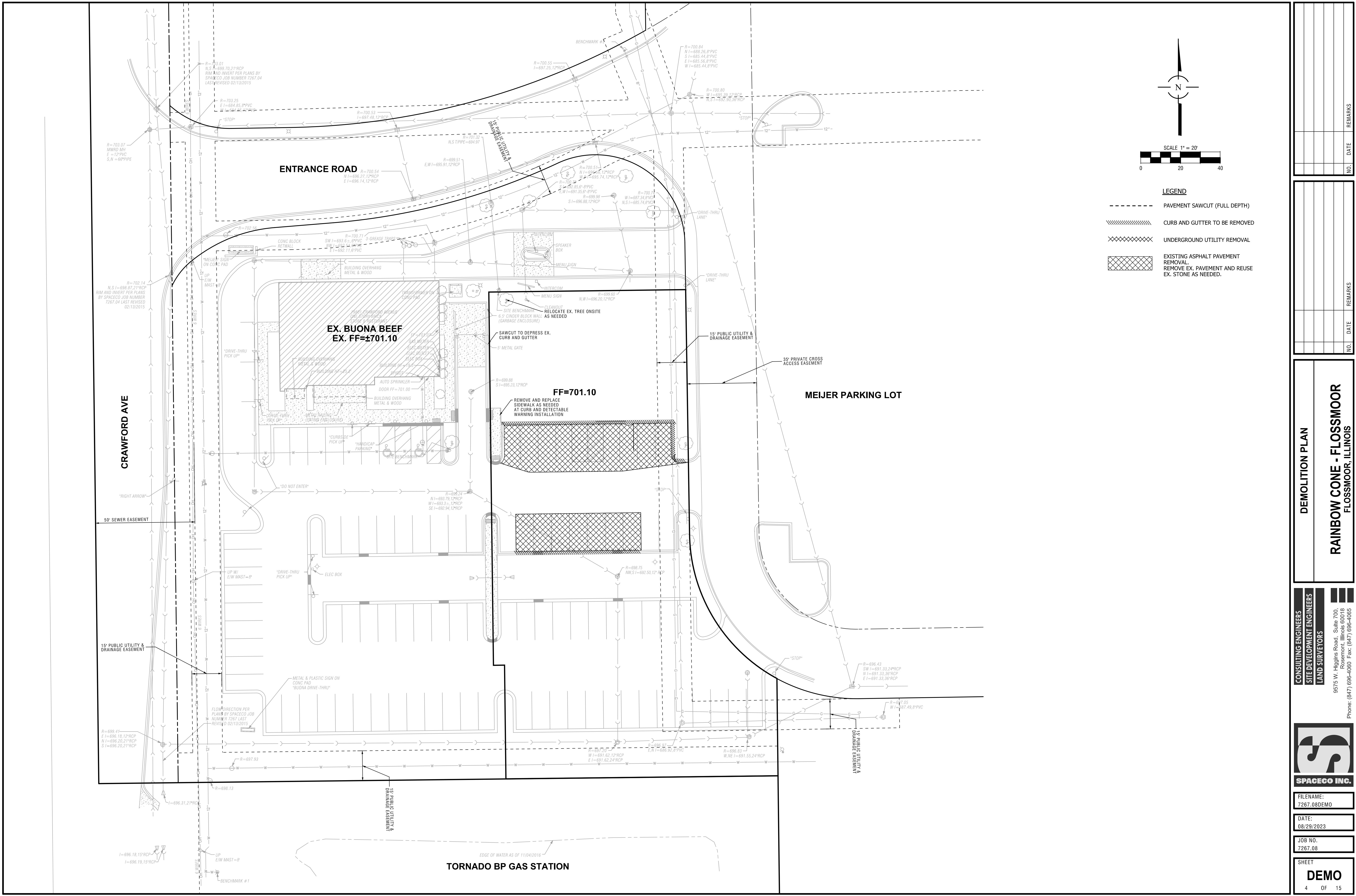
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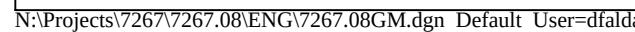
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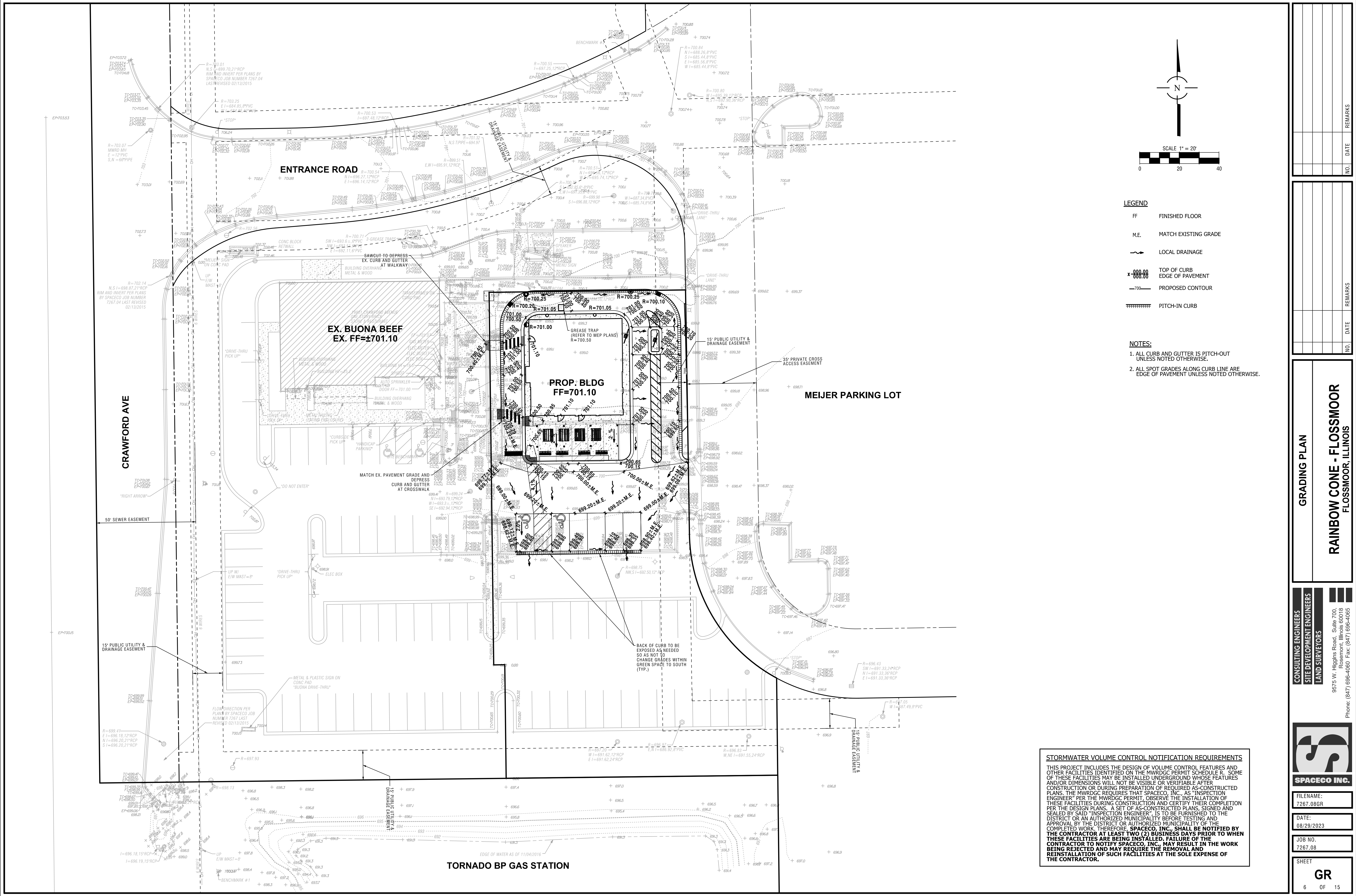
UNDERGROUND UTILITIES ARE SHOWN BY USING PHYSICAL EVIDENCE FOUND ON THE SURFACE AND/OR FROM UTILITY COMPANY FIELD STAKES AND, THEREFORE, THEIR LOCATIONS ARE APPROXIMATE AND SUSPECTED AND MAY NOT BE COMPLETELY ACCURATE. FOR MORE ACCURATE LOCATION, FIELD EXCAVATE.

PIPE FLOW DIRECTIONS, IF SHOWN, ARE BASED ON FIELD INVERT ELEVATIONS UNLESS EXISTING PLANS INDICATE OTHERWISE, IN WHICH CASE THE EXISTING PLAN FLOW DIRECTION IS SHOWN.

LAST DATE OF FIELD WORK: AUGUST 01, 2023







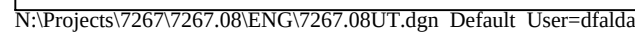
NO.	DATE	REMARKS

NO.	DATE	REMARKS

GRADING PLAN
RAINBOW CONE - FLOSSMOOR FLOSSMOOR, ILLINOIS

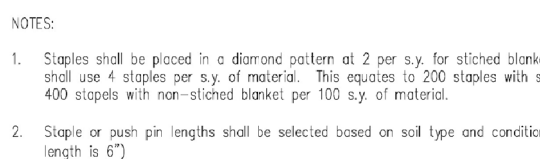
CONSULTING ENGINEERS SITE DEVELOPMENT ENGINEERS LAND SURVEYORS
9575 W. Higgins Road, Suite 700, Rosemont, Illinois 60018 Phone: (847) 696-0600 Fax: (847) 696-4065

SPACECO INC.
FILENAME: 7267.08GR
DATE: 08/29/2023
JOB NO. 7267.08
SHEET GR 6 OF 15



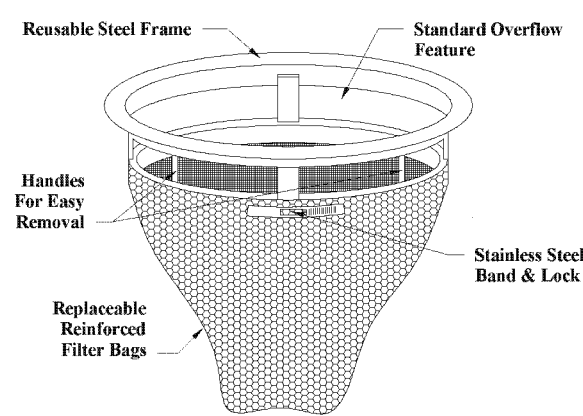
[illegible]

Packet Pg. 74



4. All anchor slots shall be spaced at approximately 12" intervals.

EROSION CONTROL BLANKET INSTALLATION DETAILS		Designer _____ Drawn E. J. JONES _____ Checked _____ Approved _____	Date _____ 11-10-10
---	--	--	------------------------



Design Benefits

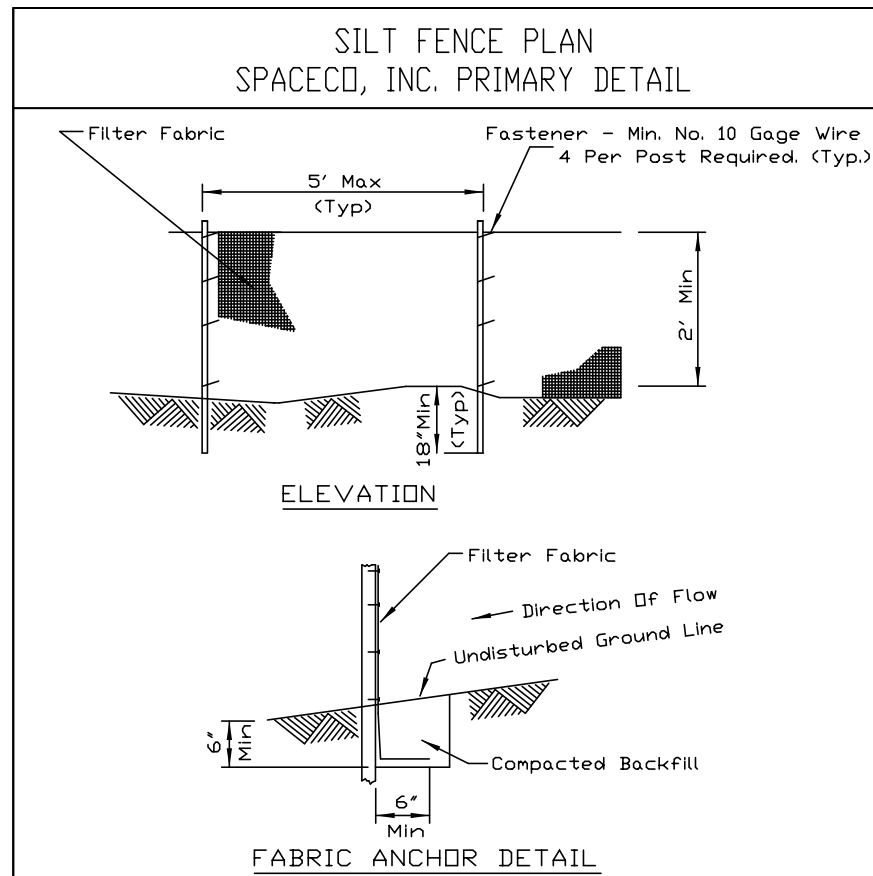
1. **Pollution Prevention**
 - Sediment Control
2. **Pollution Removal**
 - Hydrocarbons (Catch-All HR)
 - Total Suspended Sediment
 - Phosphorus*
 - Nitrogen*
 - Heavy Metals*

* *By virtue of sediment control*

Applications

- 1. Site Development & Highway Construction
 - Inlet Protection / Sediment Control
- 2. Permanent BMP
 - Maintenance Yards
 - Wash Bays
 - Parking Lots & Garages
 - Airports – Tarmac, Cabs/Limo Stands, Rental Returns
 - Bank/Fast Food Drive-Ups
 - Reduce Maintenance of Underground Detection Systems
 - Reduce Maintenance of Underground Oil/Water Separators

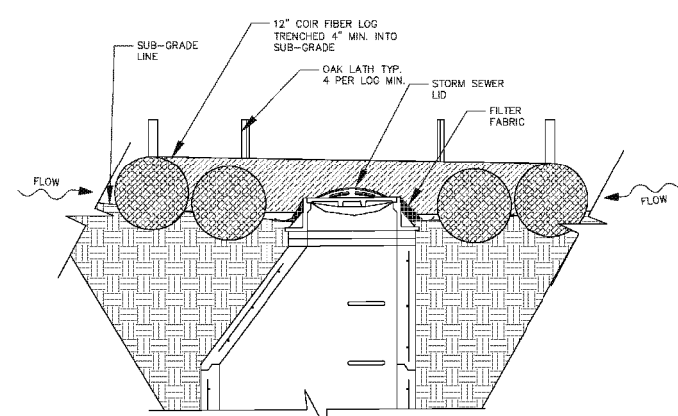
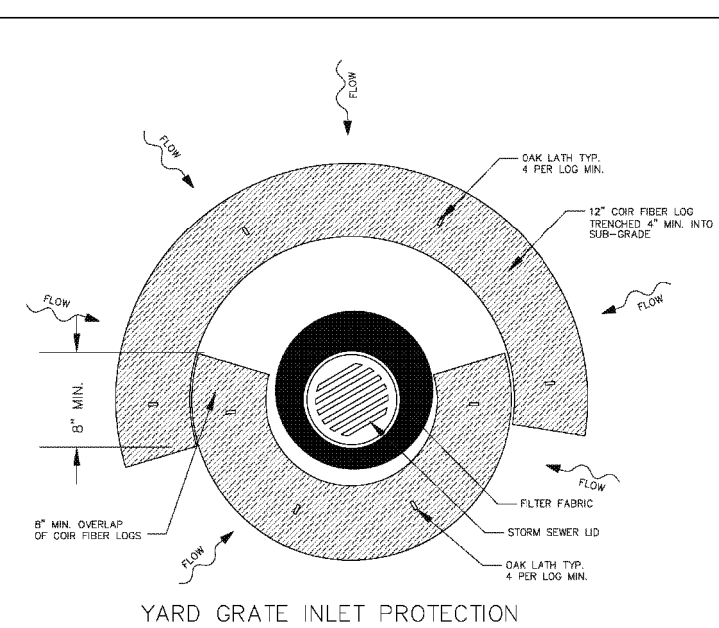
PLAN CODE: (FF)



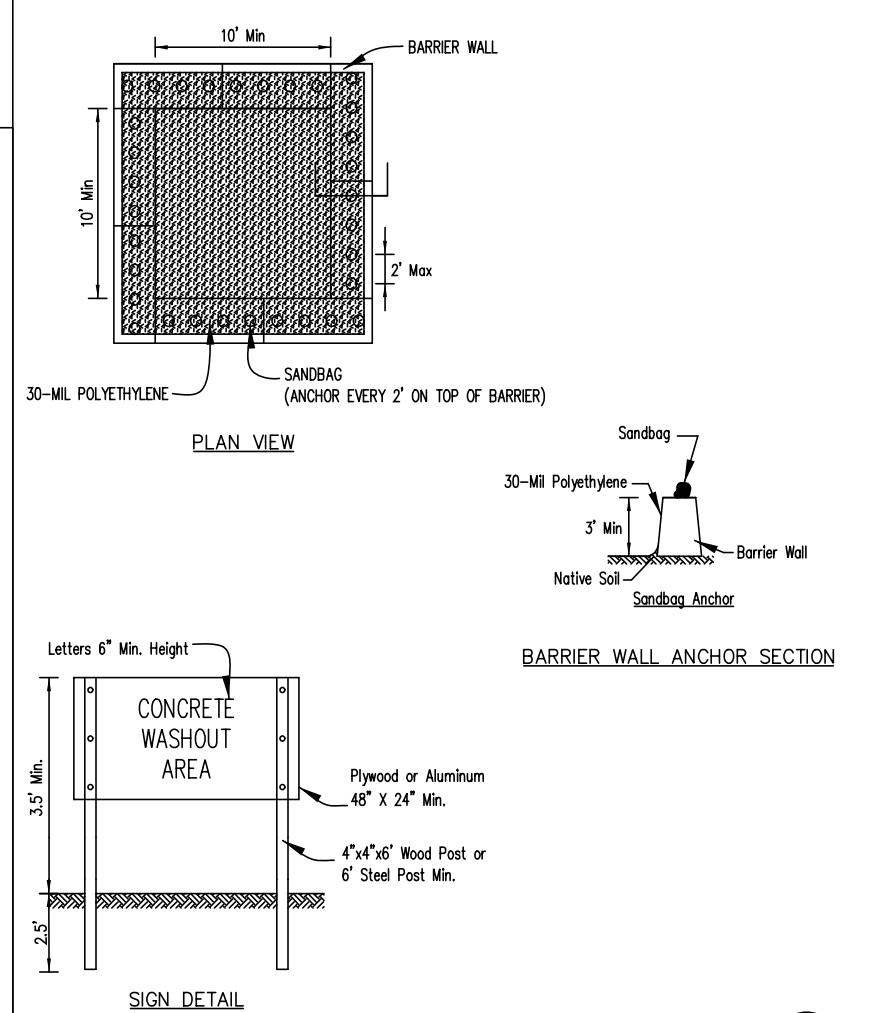
NOTES:

1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project _____ Designed _____ Date _____ Checked _____ Date _____ Approved _____ Date _____			PLAN CODE: <u> XX </u> STANDARD DWG. NO. TUM-620A SHEET 1 OF 2 DATE 3-16-12
--	--	---	---



PLAN CODE: (FF)



PLAN CODE: (CW)

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 83

[illegible][illegible]

SOIL EROSION AND SEDIMENT CONTROL PLAN - 2

VW CONE - FLOSSMOOR
FLOSSMOOR, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065



FILENAME:
7267.08SE02

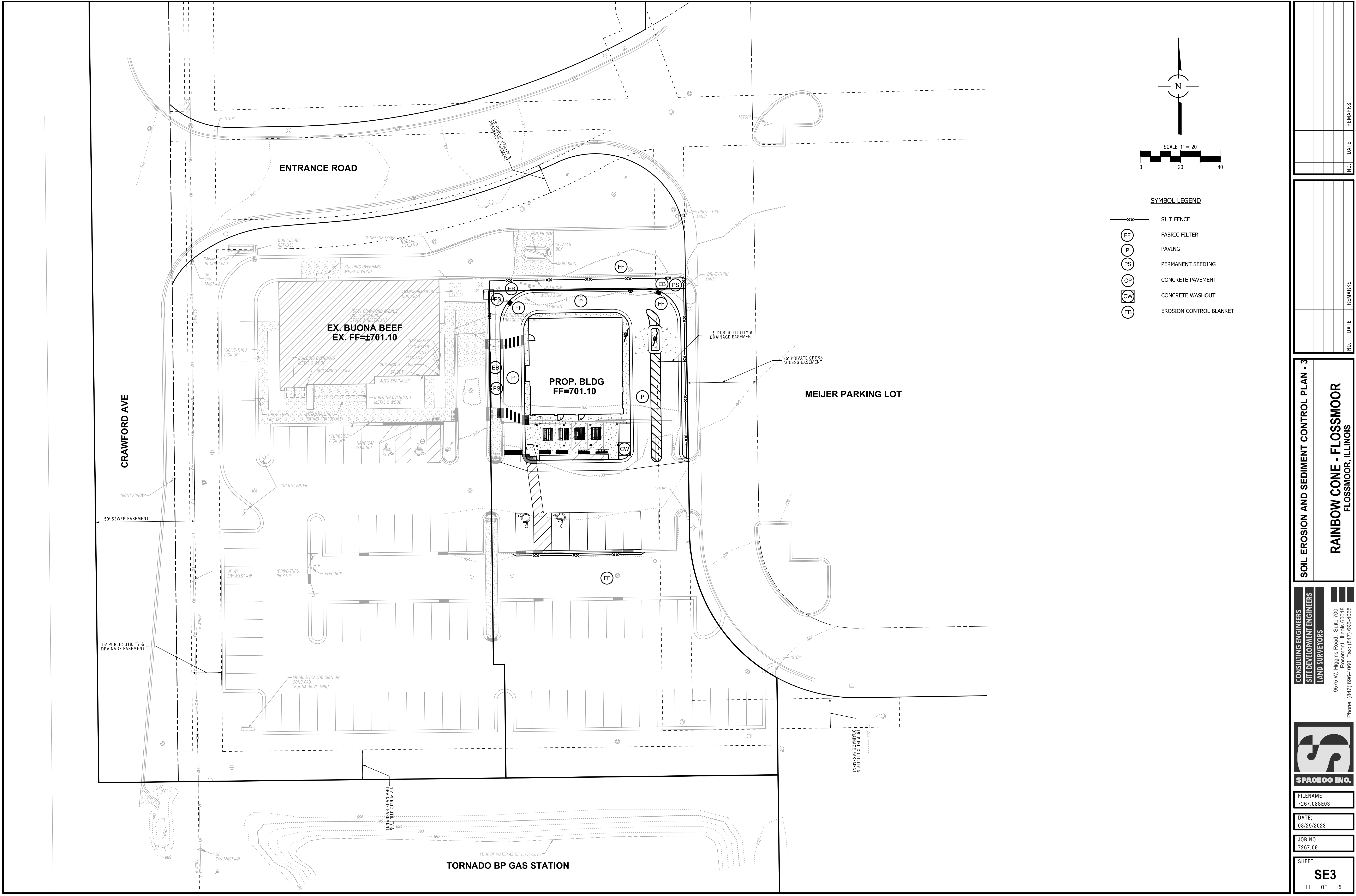
DATE:
08/29/2023

JOB NO.
7267.08

SHEET
252

SE2

10 OF 15



SHEET

MWRD

12 OF 15

TECHNICAL GUIDANCE MANUAL

MWRD GENERAL NOTES

SPECIFICATIONS

Note:

- 4" FPT inlet/outlet with 4" plain end adapters, single inlet and single outlet.
- Unit weight - w/ cast iron cover: 148 lbs. (For wet weight add 542 lbs.)
- Maximum operating temperature: 150° F continuous
- Capacities: Liquid: 50 gal
Grease: 439.5 lbs. (60 gal) @50GPM
Grease: 267.2 lbs. (40 gal) @75GPM
Solids: 13 gal
- For gravity drainage applications only.
- Do not use for pressure applications.
- Cover placement allows full access to tank for proper maintenance.
- Vent not required unless per local code.
- Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping.
- Single air relief / Anti-siphon / Sump-piping access.
- Adjustable cover adapters provide up to 4" of additional height.
- Designed for below-grade, above-grade, indoor or outdoor installations.
- Safety Star®: access restrictor built into each cover adapter, prevents accidental entry to tanks (450 lb rating).

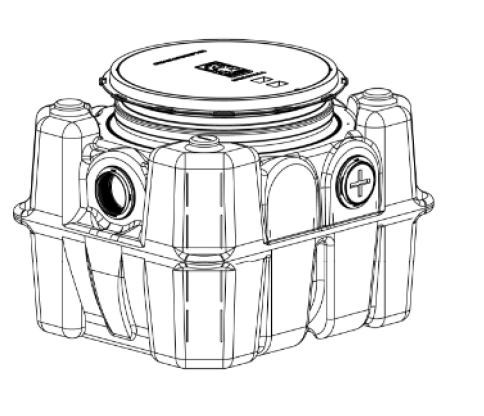
ENGINEER SPECIFICATION GUIDE

Schier Great Basin™ grease interceptors model # GB-50 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene with maximum 30" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter and three outlet options. Interceptor shall be certified to ASME A15.14.3 (Type I) and CSA B68.1.1. Interceptor flow rate shall be 50 GPM or 75 GPM. Interceptor grease capacity shall be 439.5 lbs. Cover shall provide watertight tight seal and have minimum 10,000 lbs. load capacity.

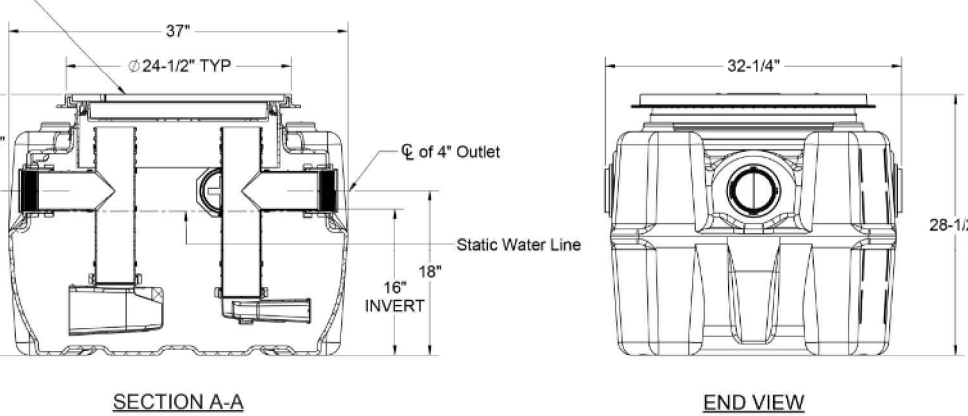
CERTIFIED PERFORMANCE

Great Basin™ hydromechanical grease interceptors are third party performance tested and listed by IFPE to ASME A15.14.3 and CSA B68.1.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

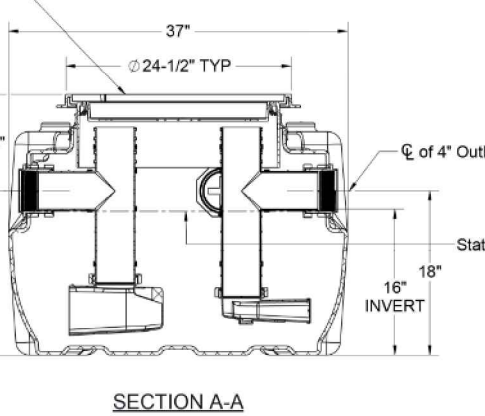
Type D certification does not require a flow control.



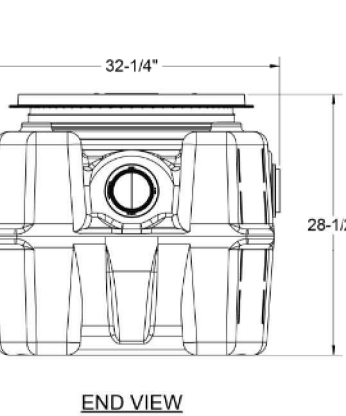
ISOMETRIC VIEW



TOP VIEW
(COVER REMOVED FOR CLARITY)



SECTION A-A



END VIEW

SPECIFICATION SHEET

MODEL NUMBER: **GB-50**

PART NUMBER: 4025-009-01

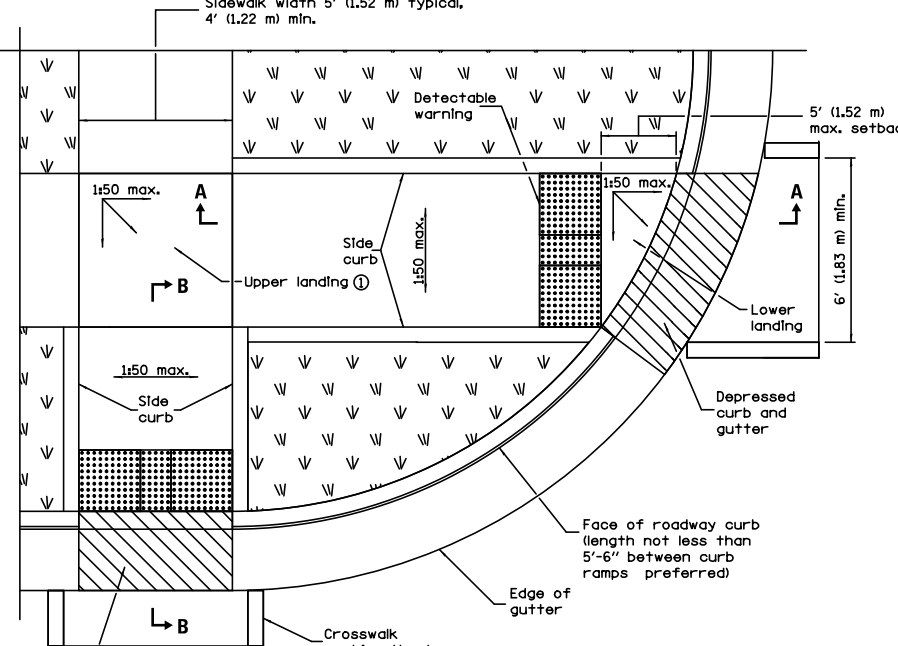
DESCRIPTION: GB-50 GREASE INTERCEPTOR 50 GPM / 75 GPM, 4" INLET/OUTLET, H-20 RATED CAST IRON COVER

DWG BY: T.ASAY DATE: 8/16/2022 REV: - ECO: -

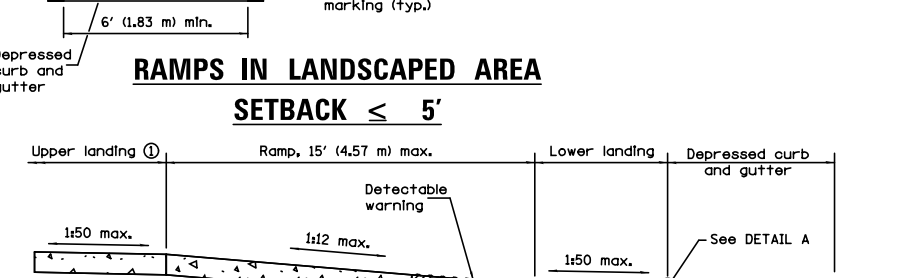
SCHIER

6466 Woodland Dr
Shawnee, KS 66218
Tel: 913-881-1330
Fax: 913-881-3399
schierproducts.com

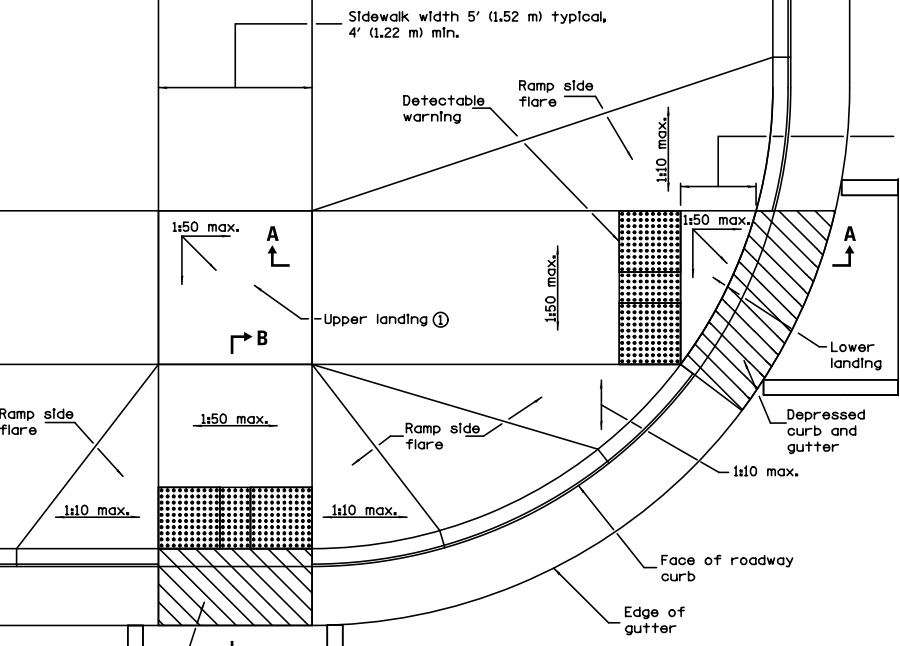
GREASE TRAP



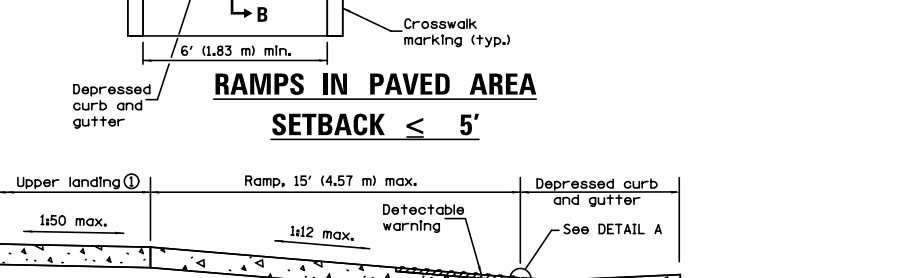
RAMPS IN LANDSCAPED AREA
SETBACK ≤ 5'



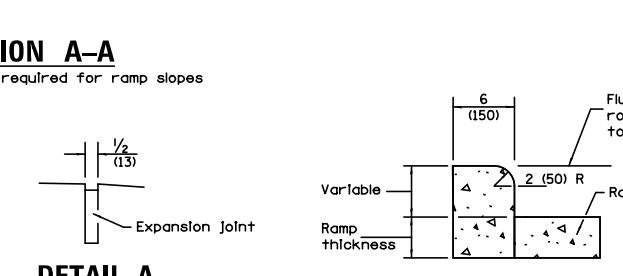
SECTION A-A
Upper landing not required for ramp slopes flatter than 1:20.



RAMPS IN PAVED AREA
SETBACK ≤ 5'



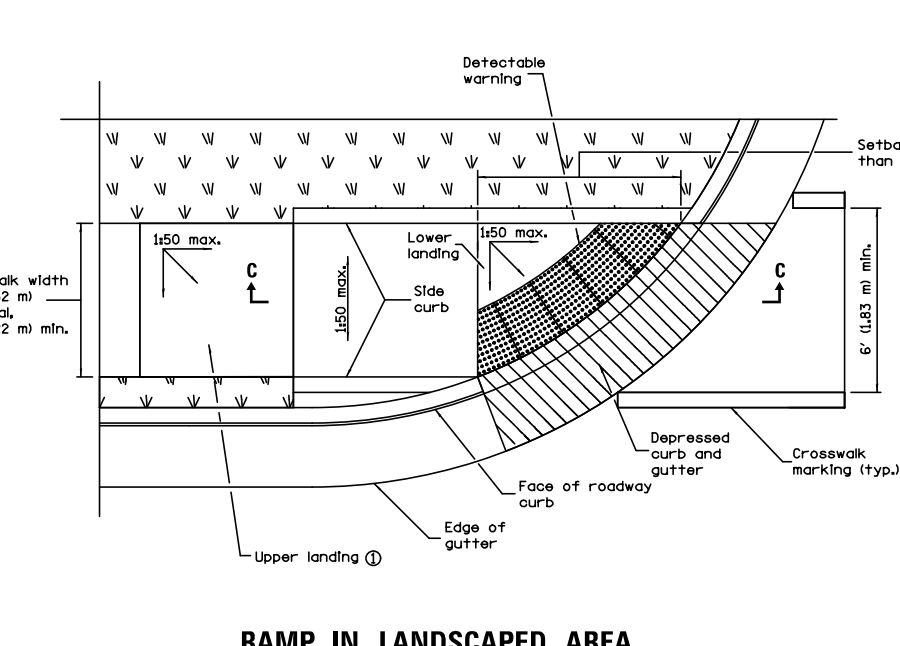
SECTION B-B
Upper landing not required for ramp slopes flatter than 1:20.



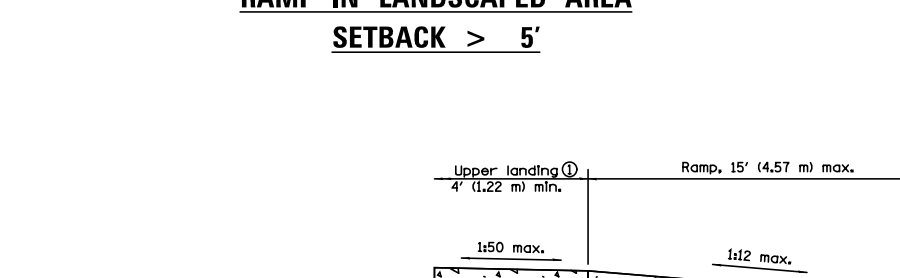
DETAIL A
SIDE CURB DETAIL

PERPENDICULAR CURB RAMPS FOR SIDEWALKS
Sheet 1 of 2

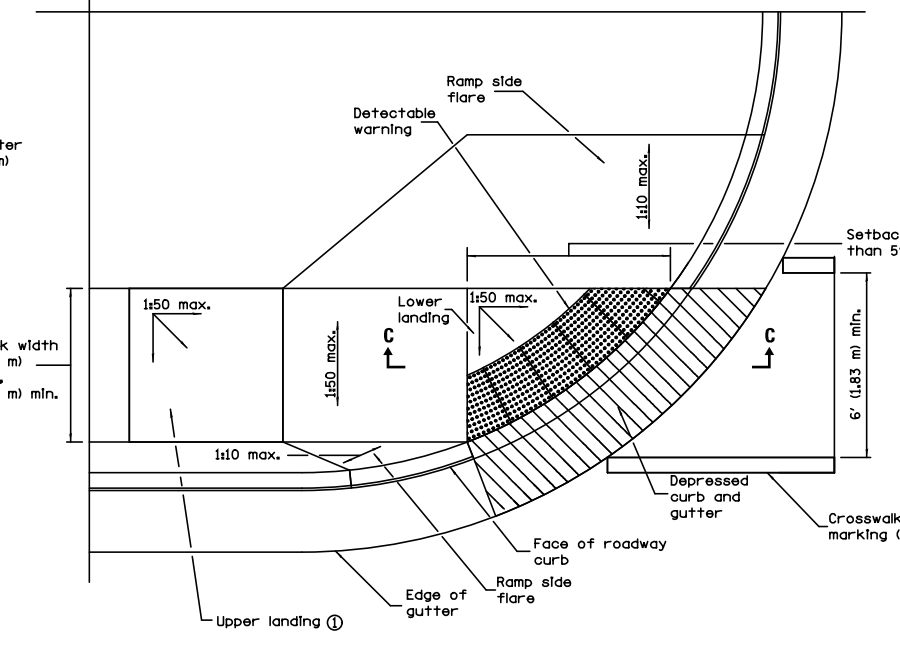
STANDARD 424001-07



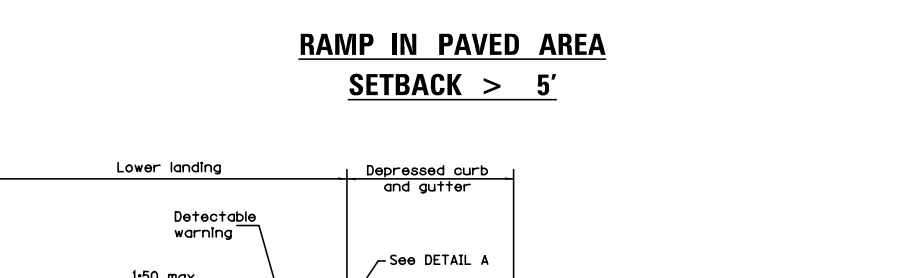
RAMP IN LANDSCAPED AREA
SETBACK > 5'



SECTION C-C
Upper landing not required for ramp slopes flatter than 1:20.



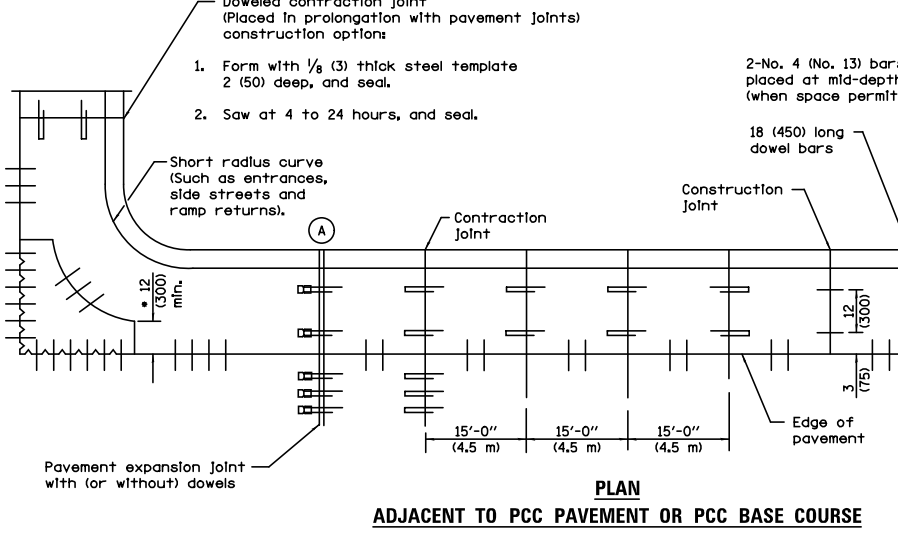
RAMP IN PAVED AREA
SETBACK > 5'



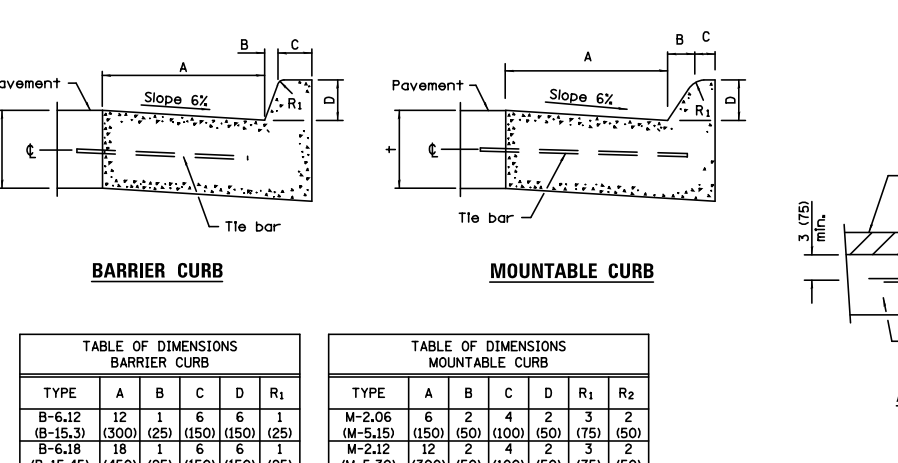
SECTION D-D
Upper landing not required for ramp slopes flatter than 1:20.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS
Sheet 2 of 2

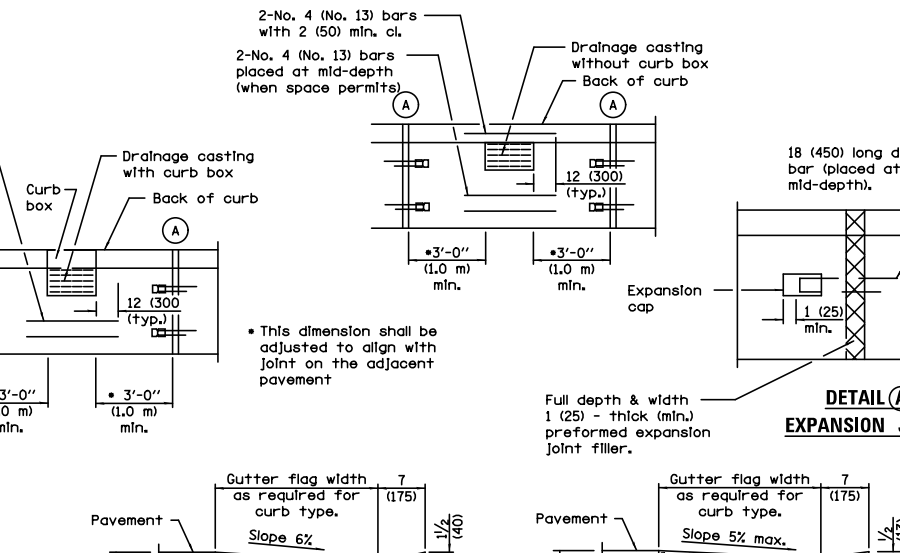
STANDARD 424001-07



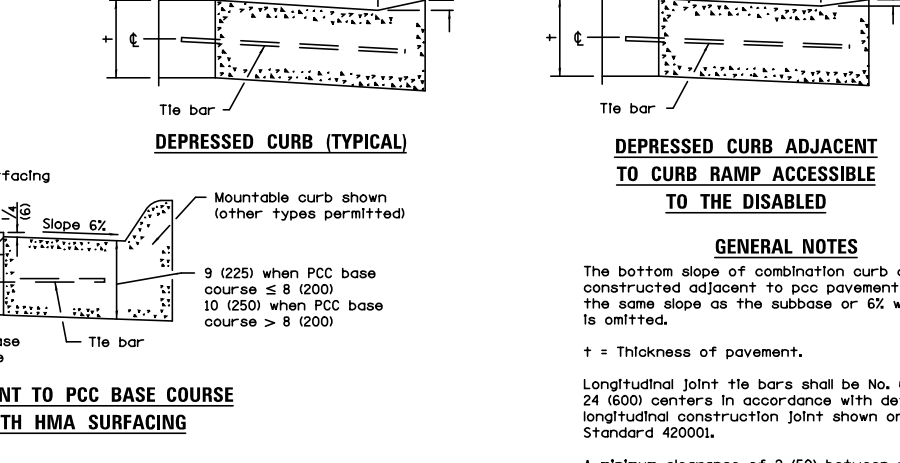
PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



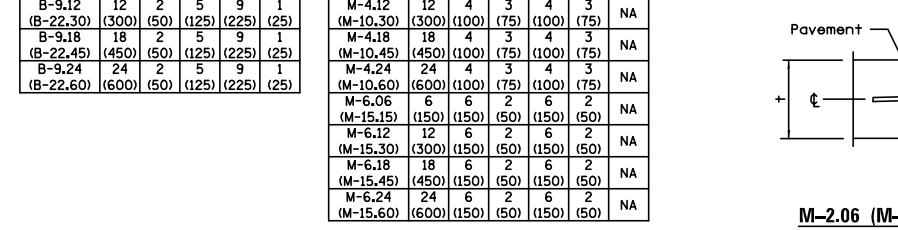
SECTION
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



PLAN
ADJACENT TO FLEXIBLE PAVEMENT



SECTION
ADJACENT TO FLEXIBLE PAVEMENT

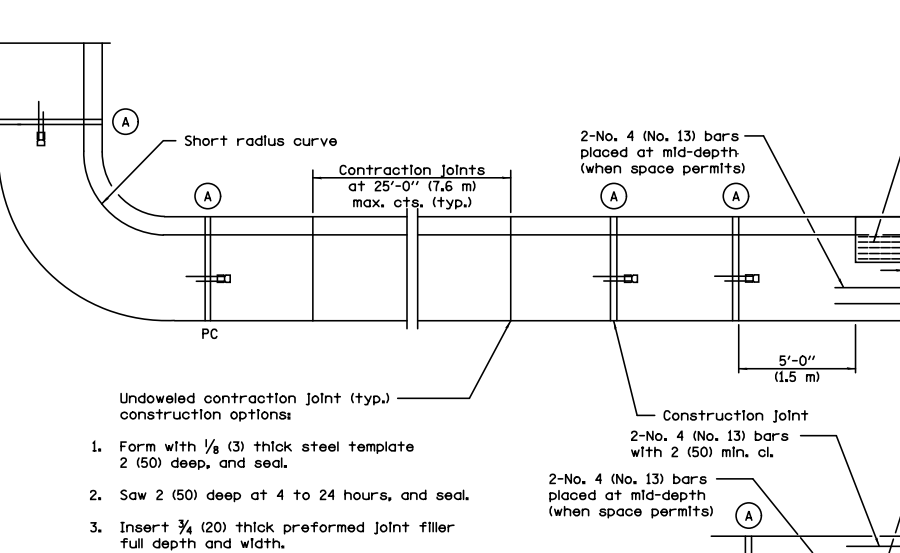


PLAN
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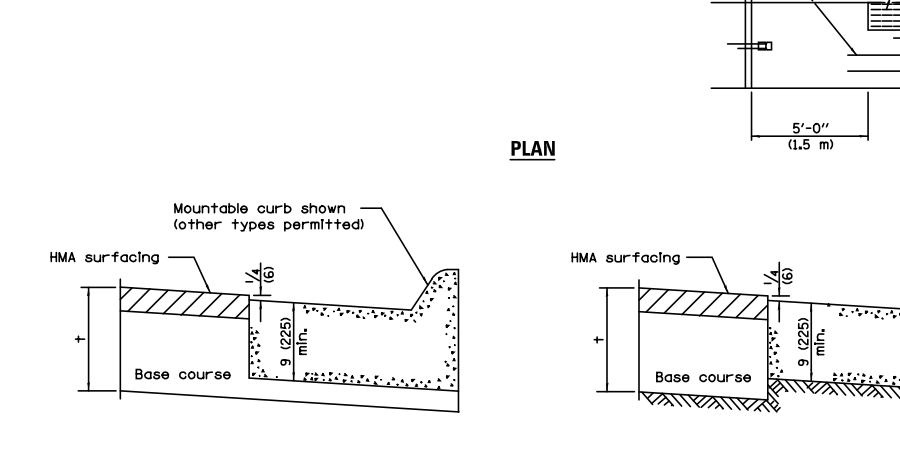
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ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
Sheet 1 of 2

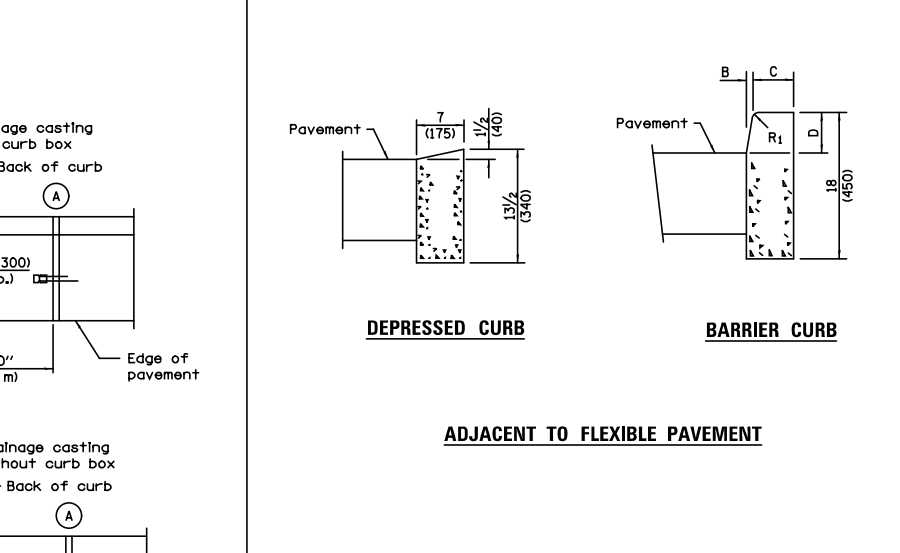
STANDARD 606001-05



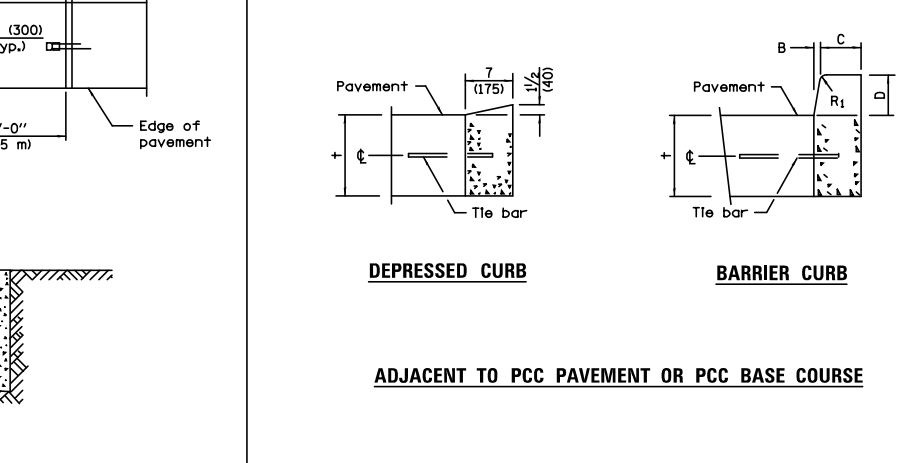
PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



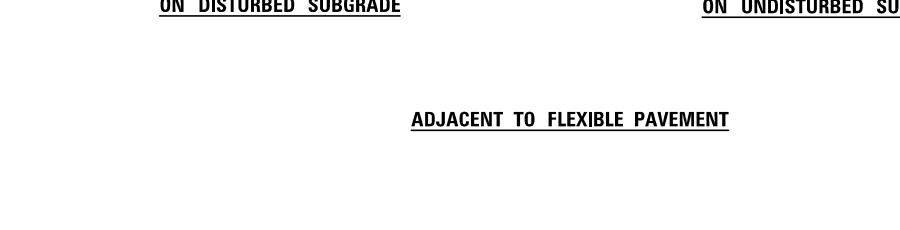
SECTION
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



PLAN
ADJACENT TO FLEXIBLE PAVEMENT



SECTION
ADJACENT TO FLEXIBLE PAVEMENT



PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

SECTION
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
Sheet 2 of 2

STANDARD 606001-05

DETAIL 1

RAINBOW CONE - FLOSSMOOR
FLOSSMOOR, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-0060 Fax: (847) 696-4065



SPACECO INC.

FILENAME:
7267.08DET01

DATE:
08/29/2023

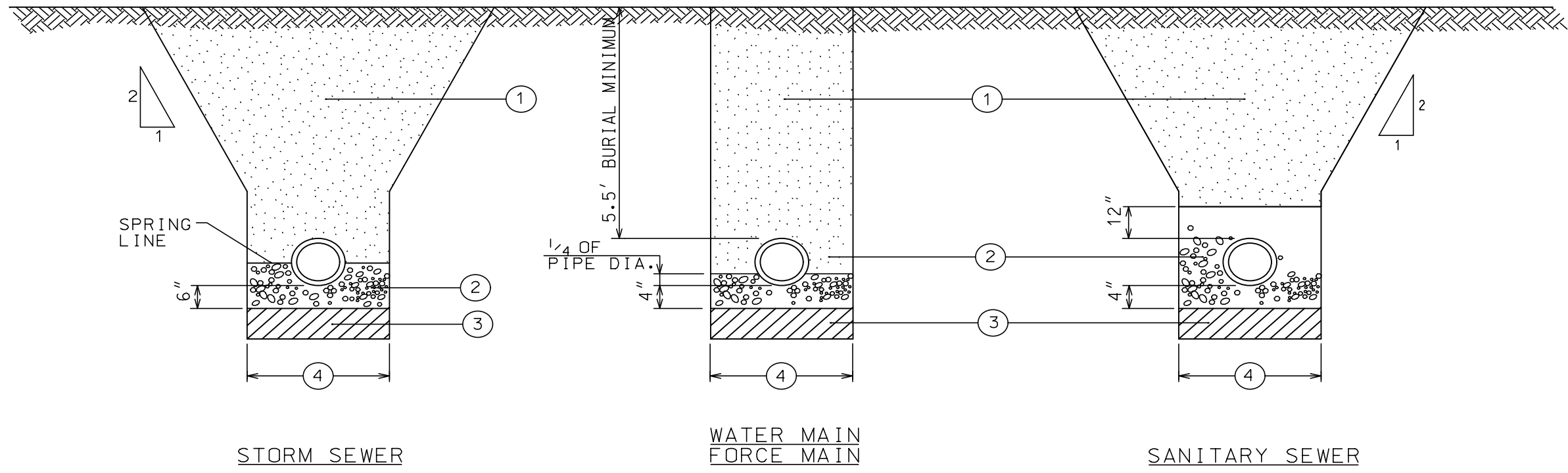
JOB NO.
7267.08

SHEET
D1
13 OF 15

- 1 GRANULAR TRENCH BACKFILL WITHIN TWO (2) FEET OF EXISTING OR PROPOSED PAVEMENT, CURB & GUTTER, AND SIDEWALK, MACHINE BACKFILL OF EXCAVATED MATERIAL IN OTHER LOCATIONS.
- 2 GRANULAR BEDDING MATERIAL SHALL CONFORM TO ASTM D 2321 CLASS I FOR SANITARY SEWER AND 100# CA-6, CRUSHED STONE 3/4" TO 1 1/4" IN SIZE (NO. 67 ASTM D-448) FOR STORM AND WATERMAIN TAMPED INTO PLACE AS SHOWN. (ONLY TO 1/4 POINT OF PIPE IF DUCTILE IRON PIPE IS USED).
- 3 UNSUITABLE MATERIAL TO BE REMOVED AND REPLACED (WHERE DIRECTED) WITH GRANULAR MATERIAL AND PAID FOR SEPARATELY.
- 4 PIPE DIAMETER 8" AND LESS ----TRENCH WIDTH = 18" PIPE DIAMETER 8" AND LARGER----TRENCH WIDTH = (1.5 X PIPE DIA.) + 8"

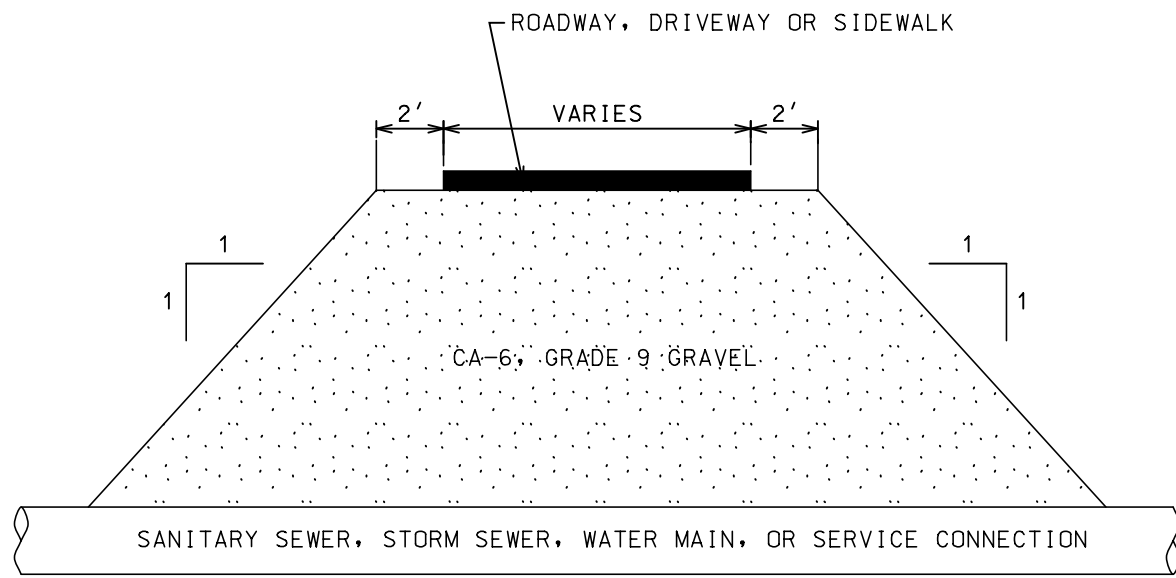
NOTES:

1. THE COST OF ALL GRANULAR BEDDING (ITEM 2) TO BE MERGED WITH THE PIPE.
2. THE COST OF ALL GRANULAR TRENCH BACKFILL (ITEM 1) TO BE PAID PER LINEAR FOOT OTHERWISE NOTED IN SPECIAL PROVISIONS.

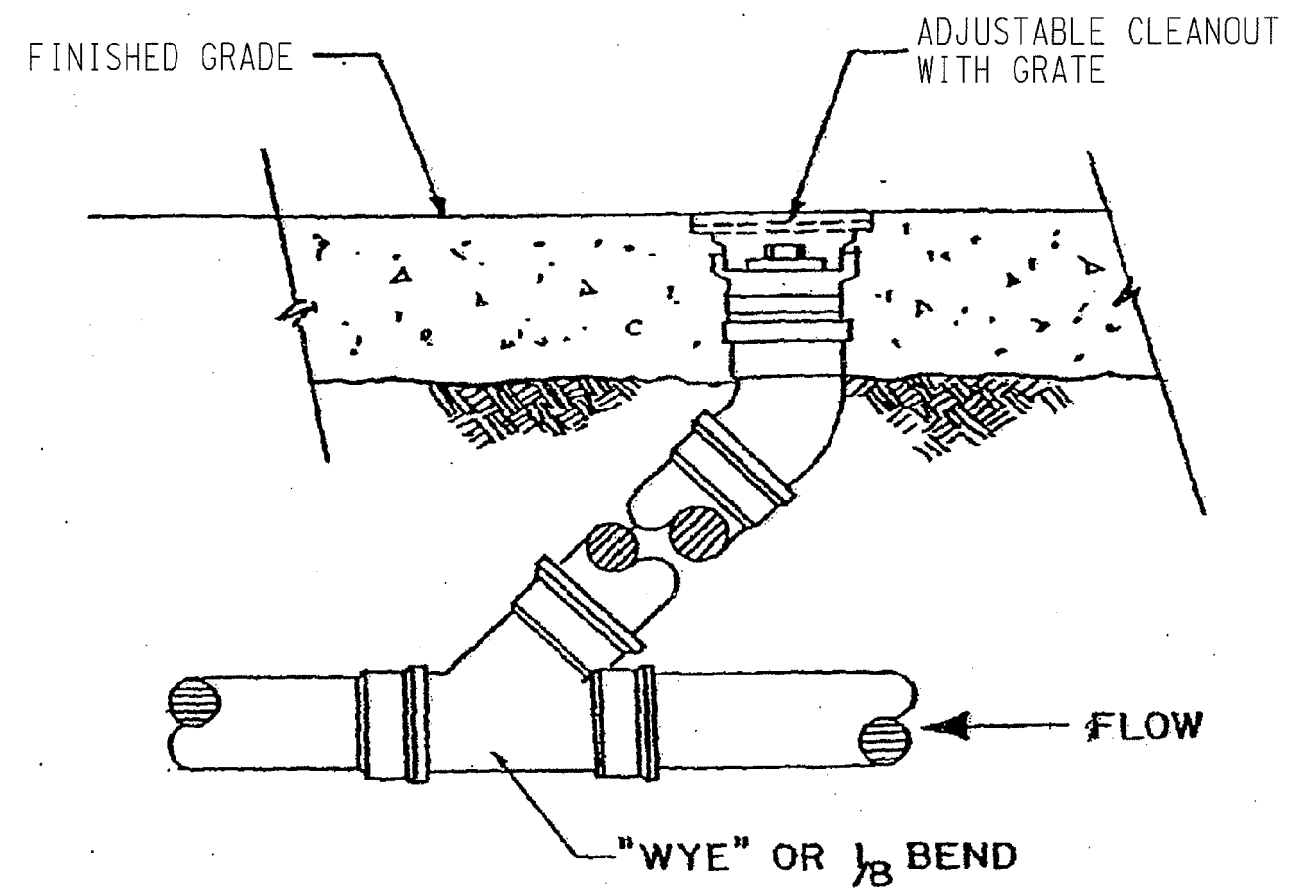


TYPICAL TRENCH CROSS-SECTIONS
NOT TO SCALE

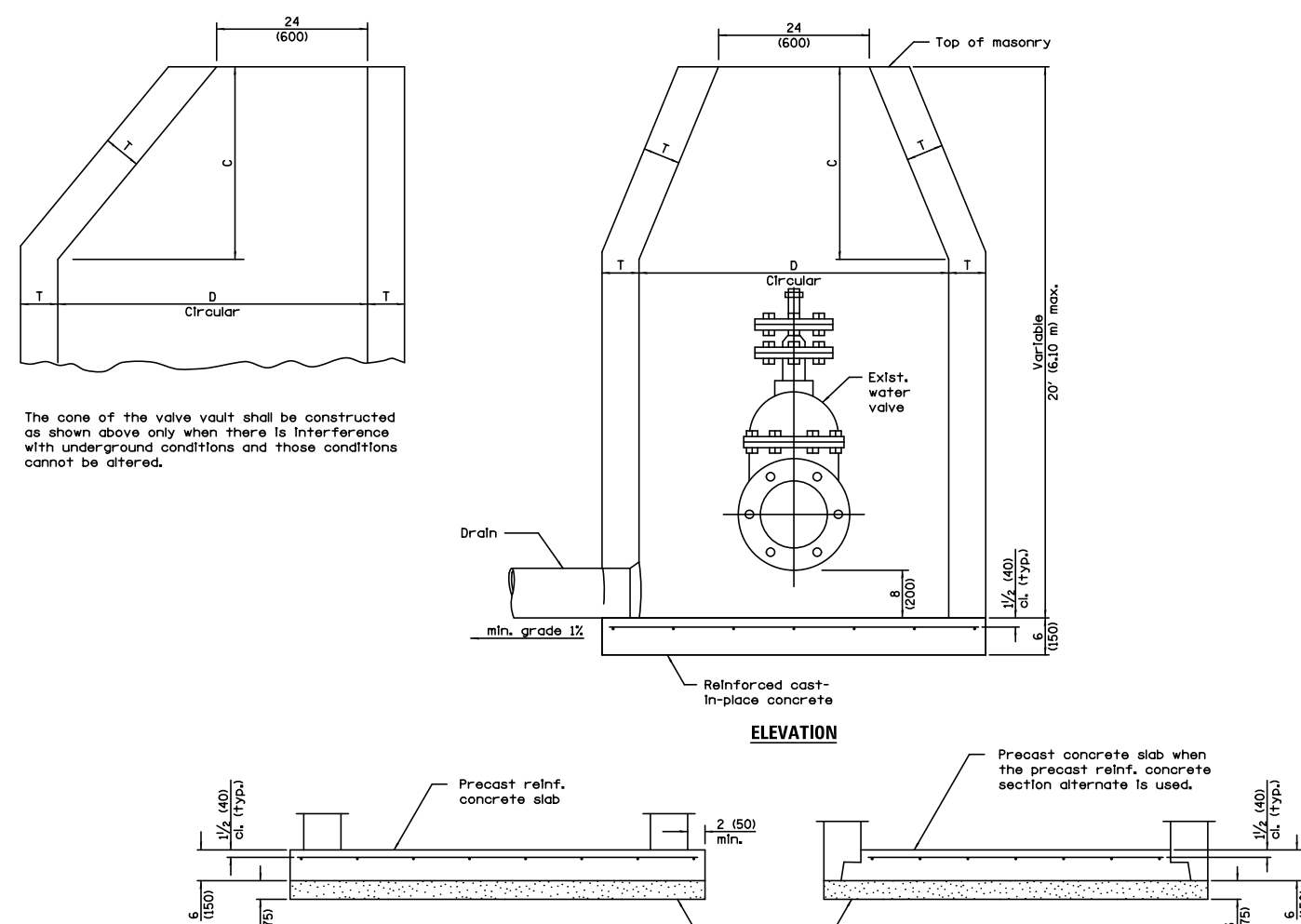
CAD-DTLS/SPDtls/C005-DTL



TRENCH BACKFILL LIMITS
NOT TO SCALE



TYPICAL CLEANOUT DETAIL
NOT TO SCALE



ALTERNATE MATERIALS FOR WALLS	D	C*	T
Concrete Masonry Unit	4'-0" (1.2 m)	30 (1750)	5 (125)
Brick Masonry	4'-0" (1.2 m)	30 (1750)	6 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m)	30 (1750)	8 (225)
Cast-in-Place Concrete	4'-0" (1.2 m)	30 (1750)	6 (150)

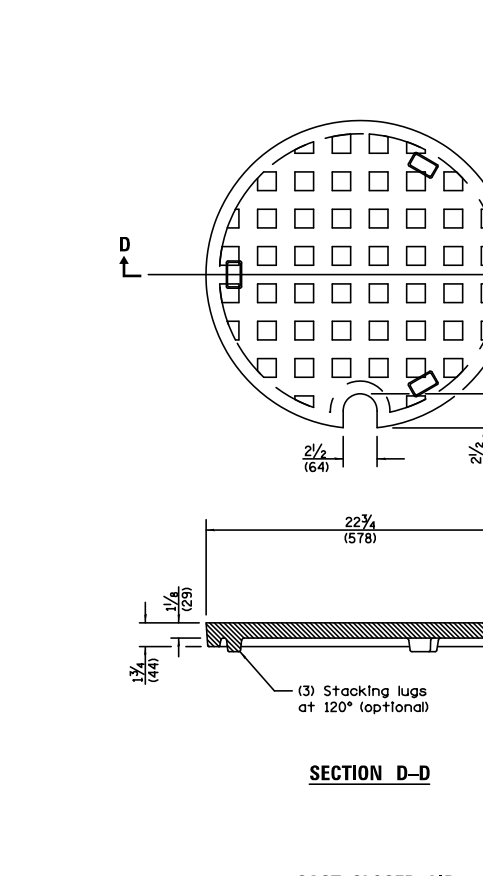
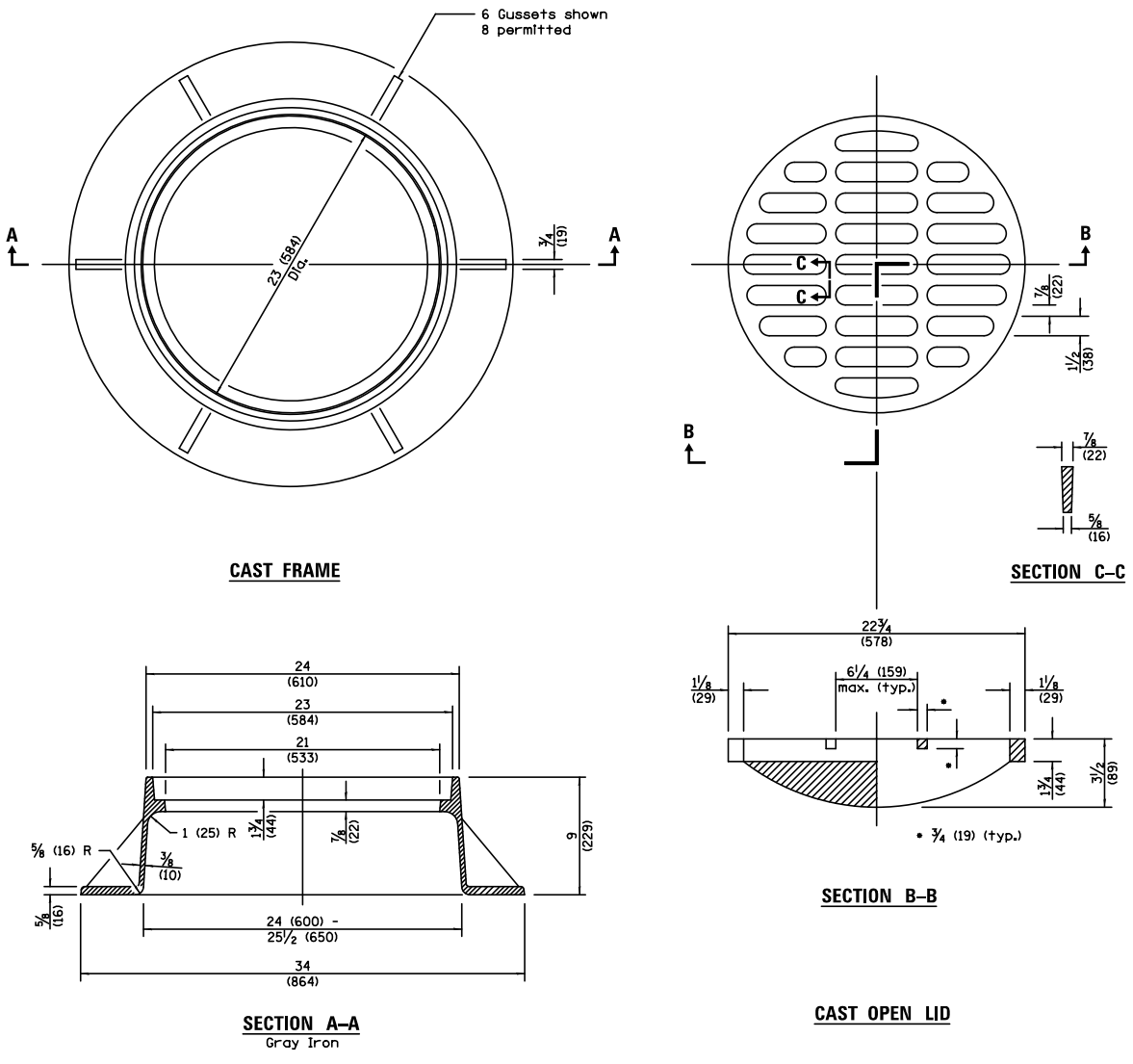
* For precast reinforced concrete sections, dimension "T" may vary from the dimension given to plus 6 (150).

DIAMETER OF WATER MAIN	D
8 (200) and under	4'-0" (1.2 m)
10 (250) and over	5'-0" (1.5 m)

GENERAL NOTES
Bottom slabs shall be reinforced with a minimum of 0.31 sq. ft./ft. (400 sq. mm) in both directions with a maximum spacing of 12 (300).
Bottom slabs may be connected to the riser as determined by the fabricator however, only a single row of reinforcement around the perimeter may be utilized.
See Standard 602002 for optional precast reinforced concrete flat top slab.
All dimensions are in inches (millimeters) unless otherwise shown.

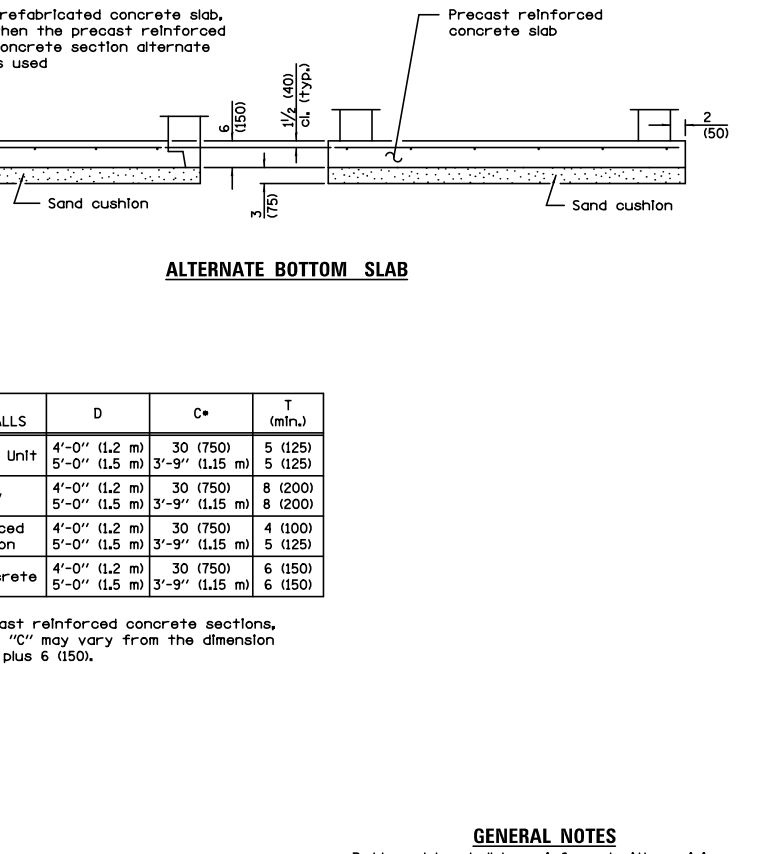
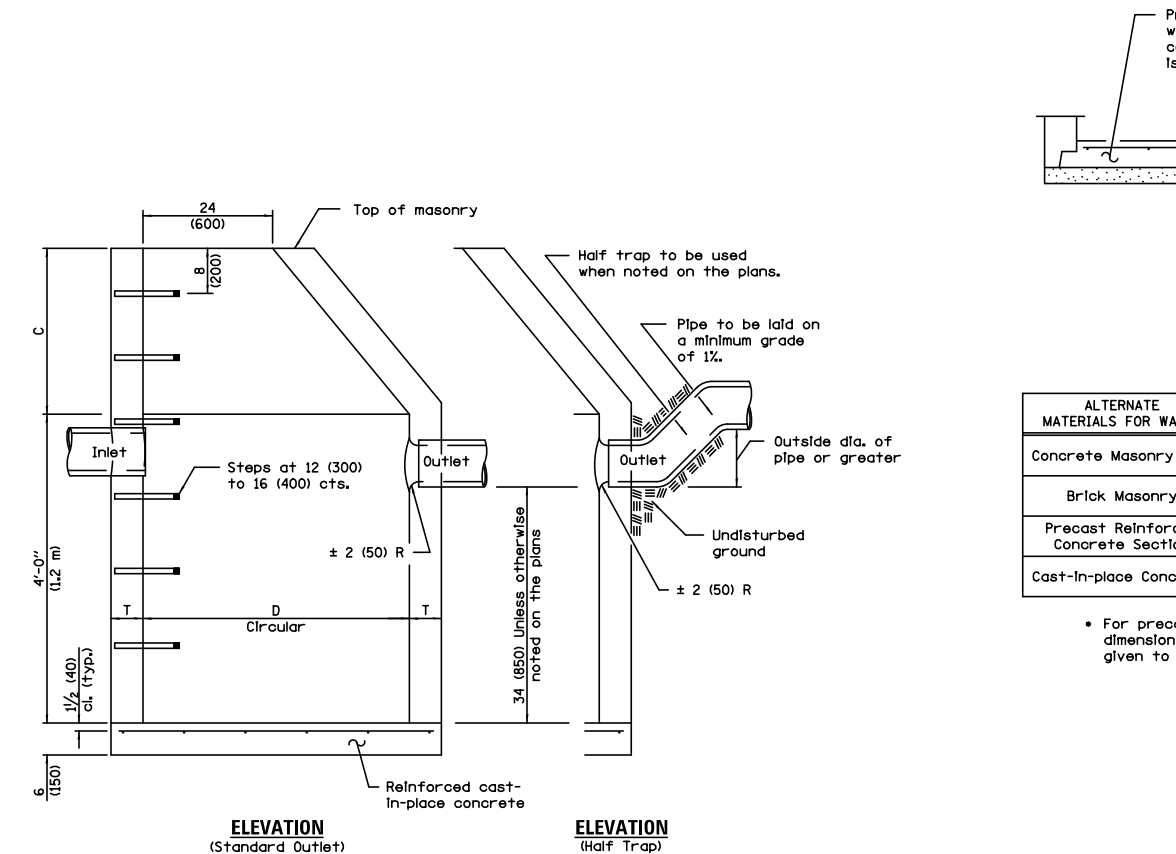
VALVE VAULT TYPE A

STANDARD 602501-02



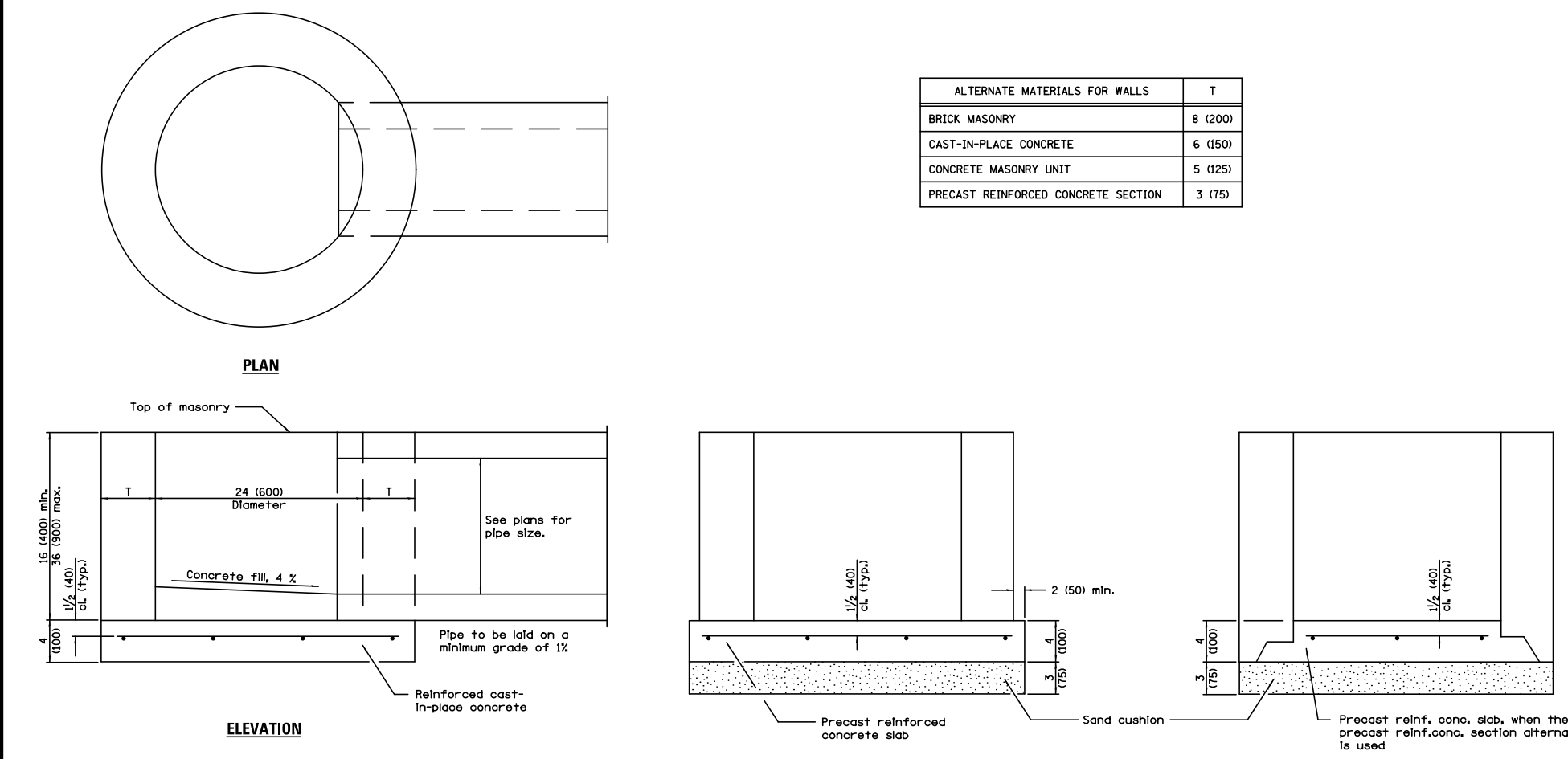
FRAME AND LIDS TYPE 1

STANDARD 604001-03



CATCH BASIN TYPE A

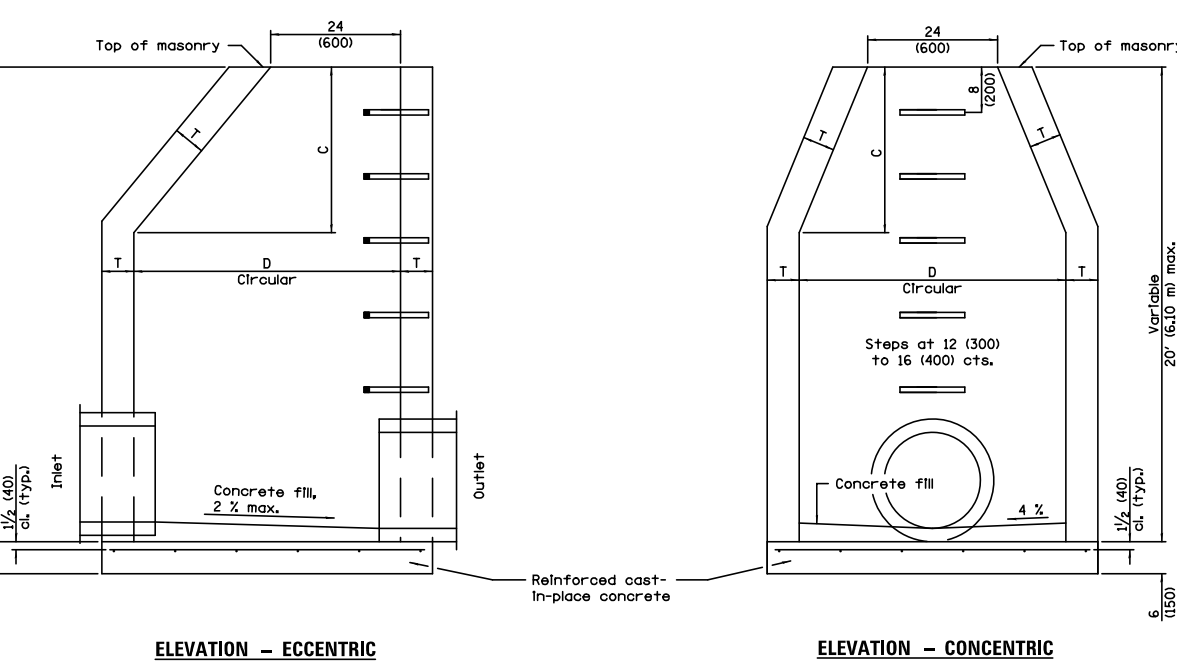
STANDARD 602501-02



ALTERNATE MATERIALS FOR WALLS	T
Brick Masonry	6 (200)
Cast-in-Place Concrete	5 (150)
Concrete Masonry Unit	5 (125)
Precast Reinforced Concrete Section	3 (75)

INLET - TYPE A

STANDARD 602301-03

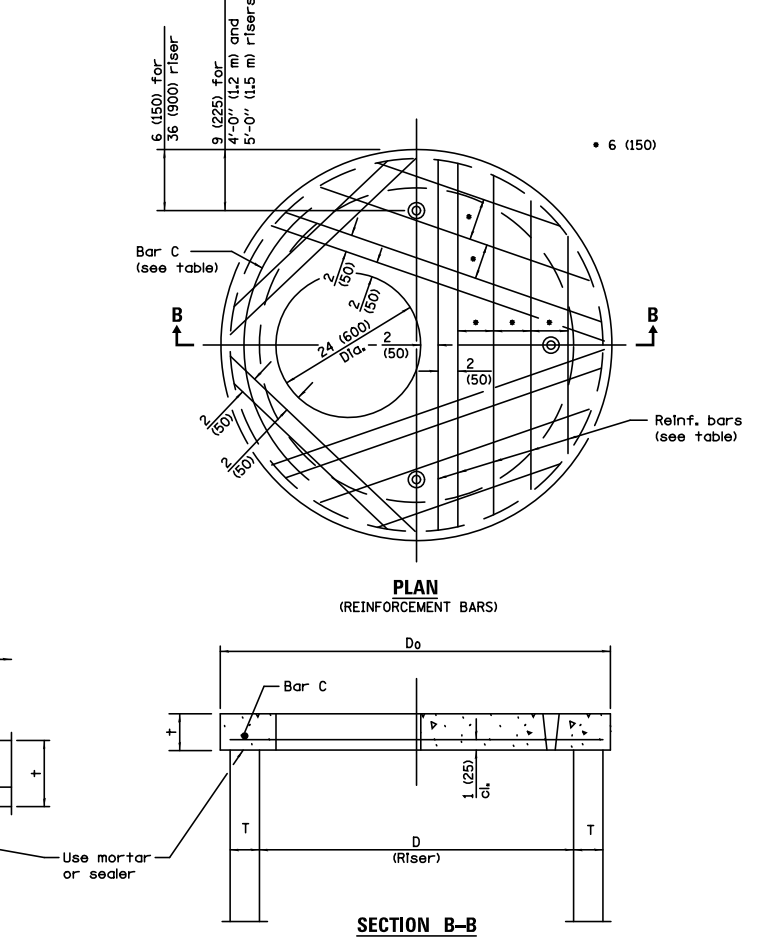
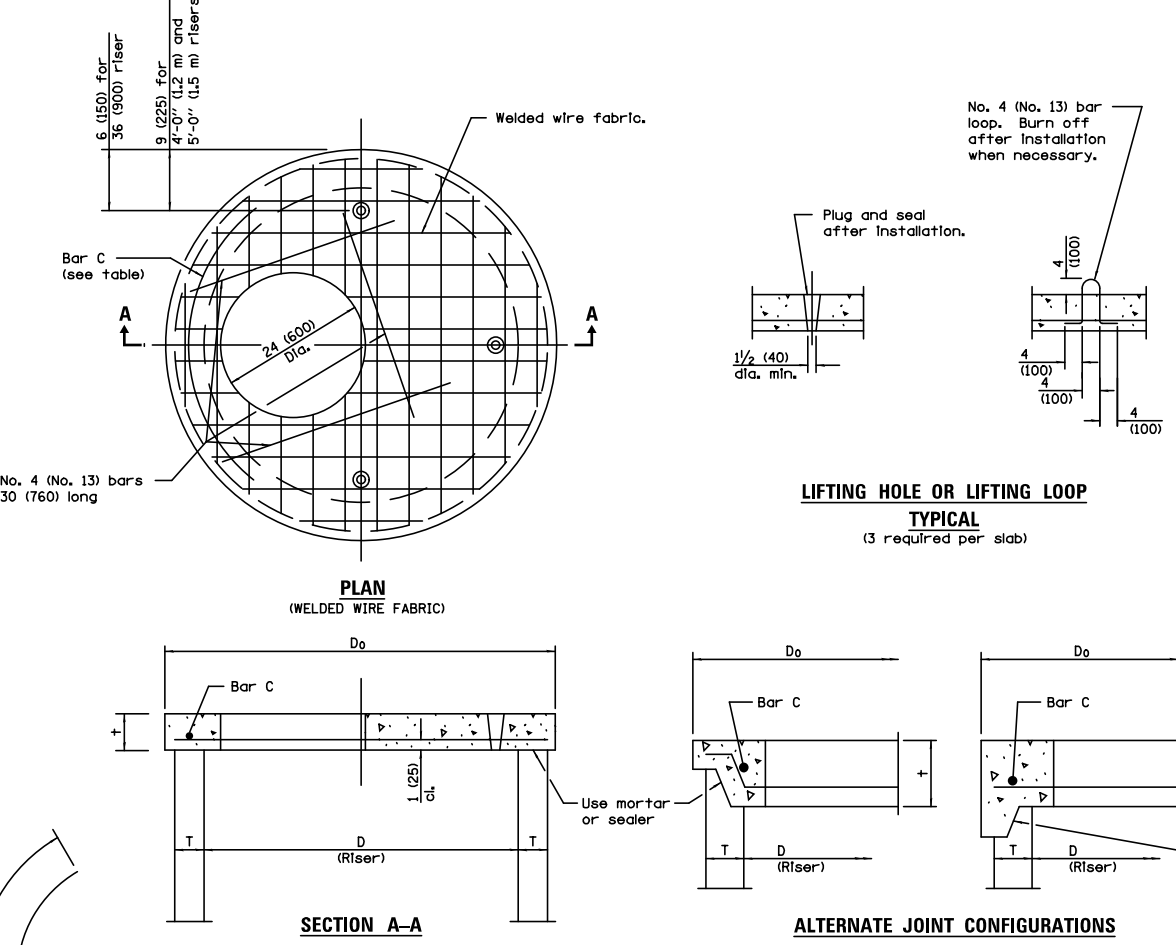


ALTERNATE MATERIALS FOR WALLS	D	C*	T
Concrete Masonry Unit	4'-0" (1.2 m)	30 (1750)	5 (125)
Brick Masonry	4'-0" (1.2 m)	30 (1750)	6 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m)	30 (1750)	8 (225)
Cast-in-Place Concrete	4'-0" (1.2 m)	30 (1750)	6 (150)

* For precast reinforced concrete sections, dimension "T" may vary from the dimension given to plus 6 (150).

MANHOLE TYPE A

STANDARD 602401-03



PRECAST REINFORCED CONCRETE FLAT SLAB TOP

STANDARD 602601-02

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (647) 696-0600 Fax: (647) 696-4065

FILENAME:
7267.08DET02

DATE:
08/29/2023

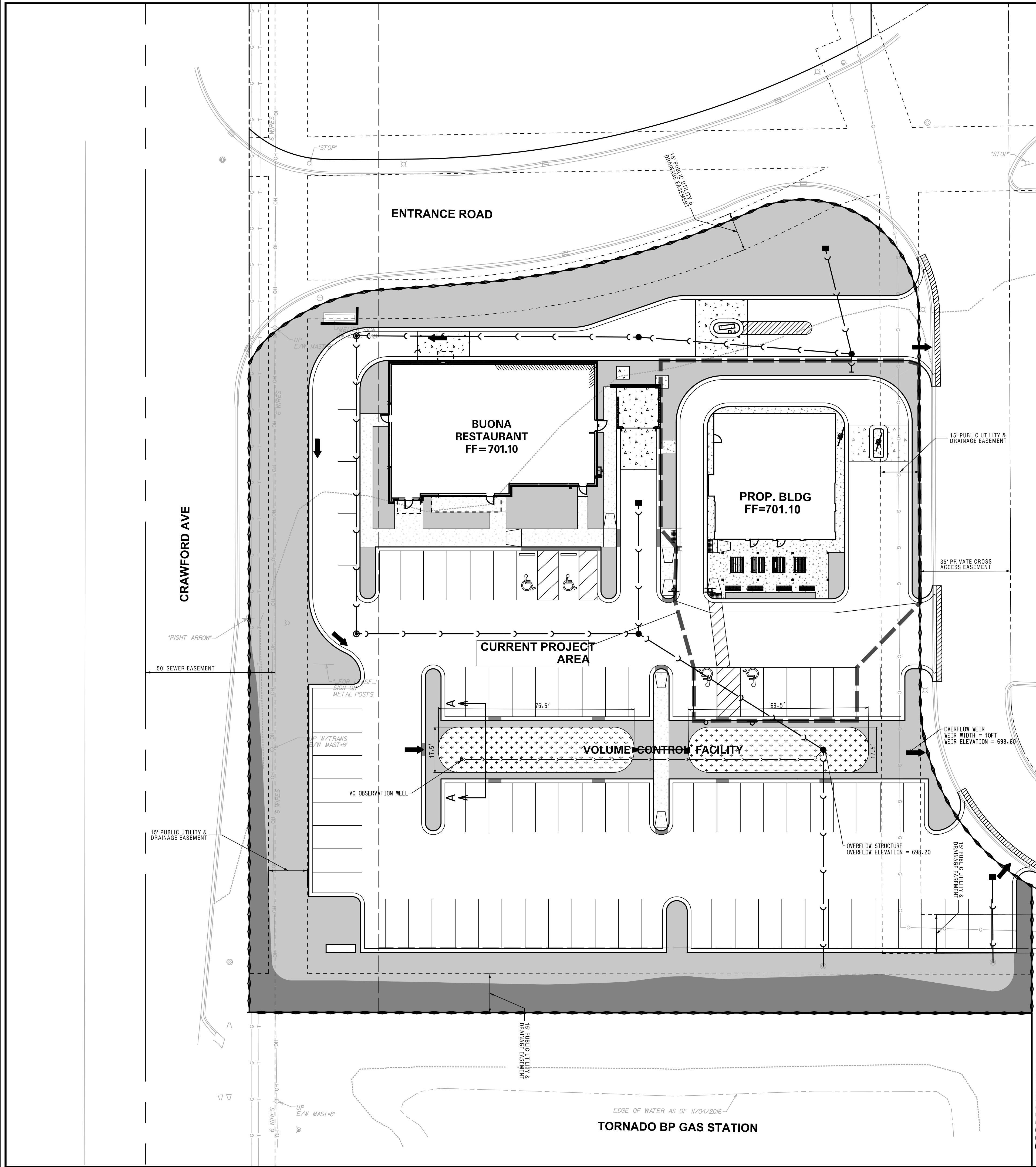
JOB NO.
7267.08

SHEET
D2
14 OF 15

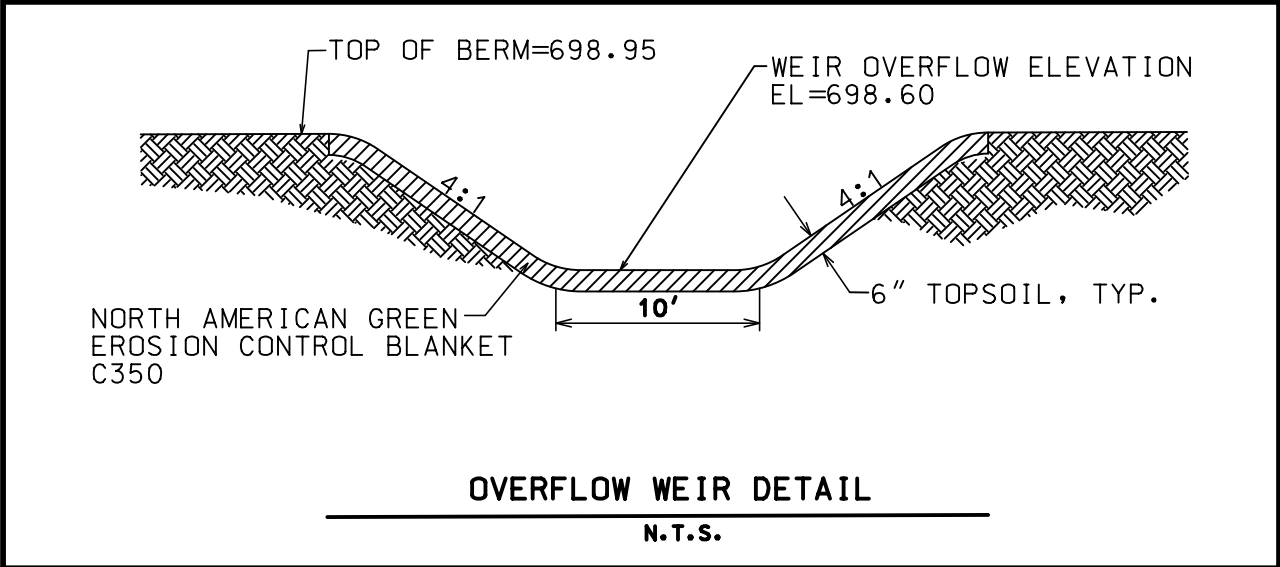
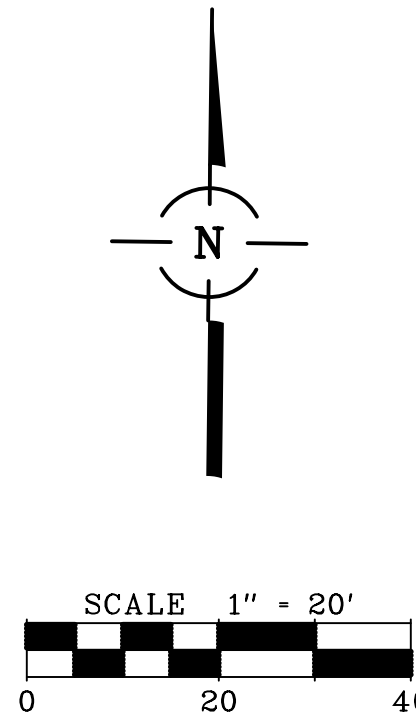
DETAIL 2

RAINBOW CONE - FLOSSMOOR
FLOSSMOOR, ILLINOIS

Attachment: Complete Class 8 Application Rainbow Cone Flossmoor - 19805 Crawford Avenue



INFORMATION FROM
MWRD PERMIT NO. 20170173



- LEGEND**
- NEW DEVELOPMENT AREA
 - IMPERVIOUS AREA
 - PERVIOUS AREA
 - UNRESTRICTED PERVIOUS AREA
 - NATIVE PLANTINGS (DETAINED AREAS) TO BE IDOT CLASS 4B SEED MIXTURE OR APPROVED EQUIVALENT. SEE LANDSCAPING PLANS FOR DESIGN & DETAILS.
 - OVERLAND FLOW RATE

STORMWATER MANAGEMENT SUMMARY:

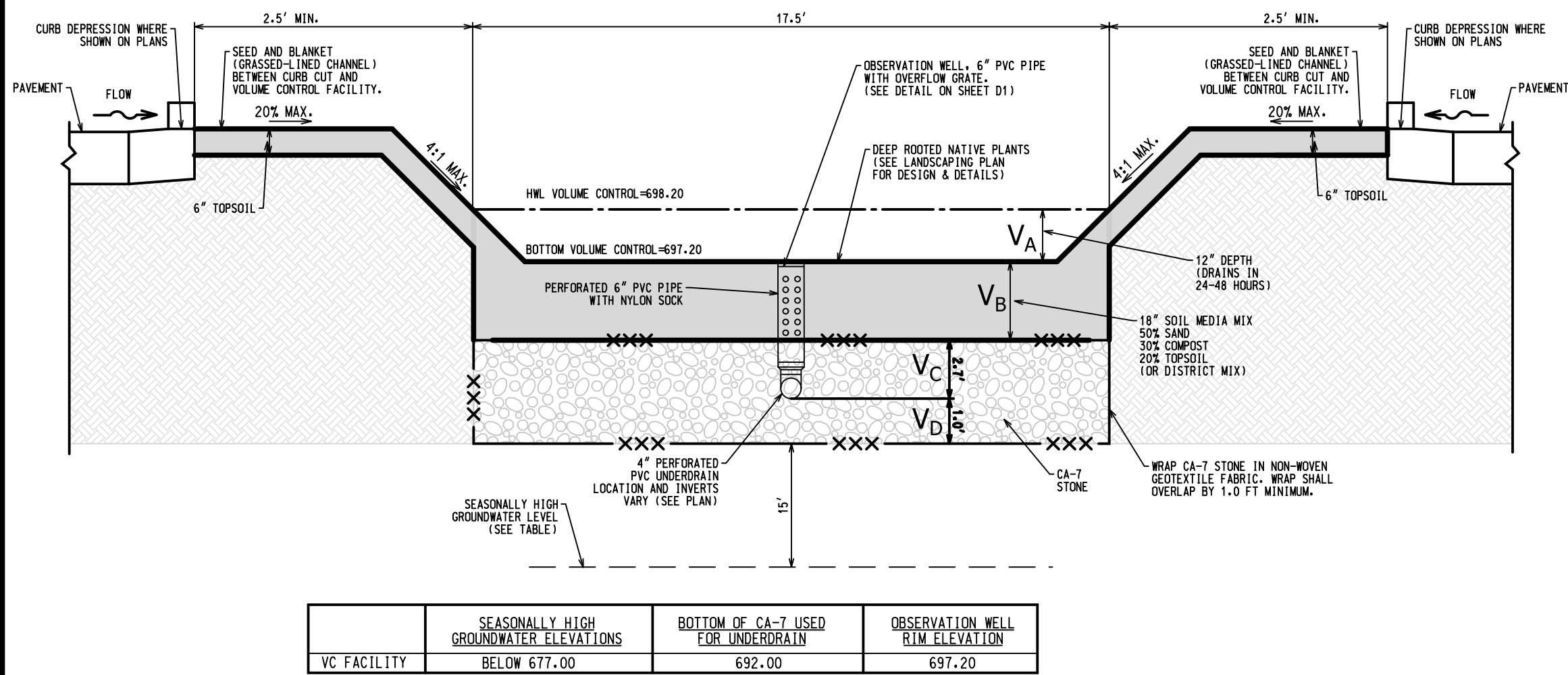
STORMWATER DETENTION:
-EXEMPT PER SECTION 505 OF WMO. DETENTION FOR THE PROPERTY PREVIOUSLY PROVIDED UNDER MWRD SPO PERMIT #13-281. SEE FINAL STORMWATER MANAGEMENT REPORT FOR RAINBOW CONE-FLOSSMOOR FOR DETAILS.

VOLUME CONTROL: ☒
VOLUME CONTROL PROVIDED = 0.099 AC-FT
VOLUME CONTROL REQUIRED = 0.097 AC-FT

SUMMARY OF DEVELOPMENT AREA:

	DEVELOPMENT AREA (ACRES)
IMPERVIOUS	1.163
DETAINED AREA W/ NATIVE PLANTINGS	0.056
PERVIOUS	0.463
UNRESTRICTED PERVIOUS AREA	0.109
TOTAL	1.791

SECTION A-A: VOLUME CONTROL FACILITY



	SEASONALLY HIGH GROUNDWATER ELEVATIONS	BOTTOM OF CA-7 USED FOR UNDERDRAIN	OBSERVATION WELL RIM ELEVATION
VC FACILITY	BELOW 677.00	692.00	697.20

VOLUME TYPE	MEDIA DEPTH	MEDIA AREA	POROSITY	MEDIA VOLUME	STORAGE VOLUME	VOLUME PROVIDED
SURFACE STORAGE	1.00'	1,813 SF = $\frac{1,198 \text{ SF} + 2,428 \text{ SF}}{2}$	1.00	V _A	1.00 x V _A	0.042 AC-FT = $\frac{1,813 \text{ SF} \times 1.00 \text{ FT}}{43560 \text{ } \frac{\text{SF}}{\text{AC}}}$
SOIL MEDIA MIX	1.50'	2,428 SF	0.25	V _B	0.5 x 0.25 x V _B	0.010 AC-FT = $\frac{2,428 \text{ SF} \times 1.50 \text{ FT} \times 0.5 \times 0.25}{43560 \text{ } \frac{\text{SF}}{\text{AC}}}$
COARSE AGG. (ABOVE INVERT)	2.70'	2,428 SF	0.36	V _C	0.5 x 0.36 x V _C	0.027 AC-FT = $\frac{2,428 \text{ SF} \times 2.70 \text{ FT} \times 0.5 \times 0.36}{43560 \text{ } \frac{\text{SF}}{\text{AC}}}$
COARSE AGG. (BELOW INVERT)	1.00'	2,428 SF	0.36	V _D	0.36 x V _D	0.020 AC-FT = $\frac{2,428 \text{ SF} \times 1.00 \text{ FT} \times 0.36}{43560 \text{ } \frac{\text{SF}}{\text{AC}}}$
TOTAL						0.099 AC-FT

(1) AREA BOUNDED BY 697.20 CONTOUR
(2) AREA BOUNDED BY 698.20 CONTOUR

NOTES:

- BOTTOM OF VOLUME CONTROL FACILITY SHALL BE AS FLAT AS POSSIBLE.
- DEPTH BELOW OVERFLOW STRUCTURE RIM ELEVATION SHALL NOT EXCEED 12 INCHES.
- VOLUME CONTROL SIDE SLOPES SHALL BE 4:1 MAXIMUM.
- WOVEN GEOTEXTILE FABRIC SHALL MEET REQUIREMENTS OF IUM MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1, CLASS 1, WITH AN APPARENT OPENING SIZE OF 0.50 MM.
- STONE STORAGE OPTIONS ARE CA-7, DISTRICT VULCAN MIX, OR APPROVED ALTERNATE. NO RECYCLED MATERIALS.
- FOLLOW THE REQUIRED PRETREATMENT MEASURES LISTED ON THE VOLUME CONTROL PRETREATMENT MEASURES DETAIL.

NOT TO SCALE

NO.	DATE	REMARKS

NO.	DATE	REMARKS

PROPOSED DRAINAGE PLAN

RAINBOW CONE - FLOSSMOOR
FLOSSMOOR, ILLINOIS

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

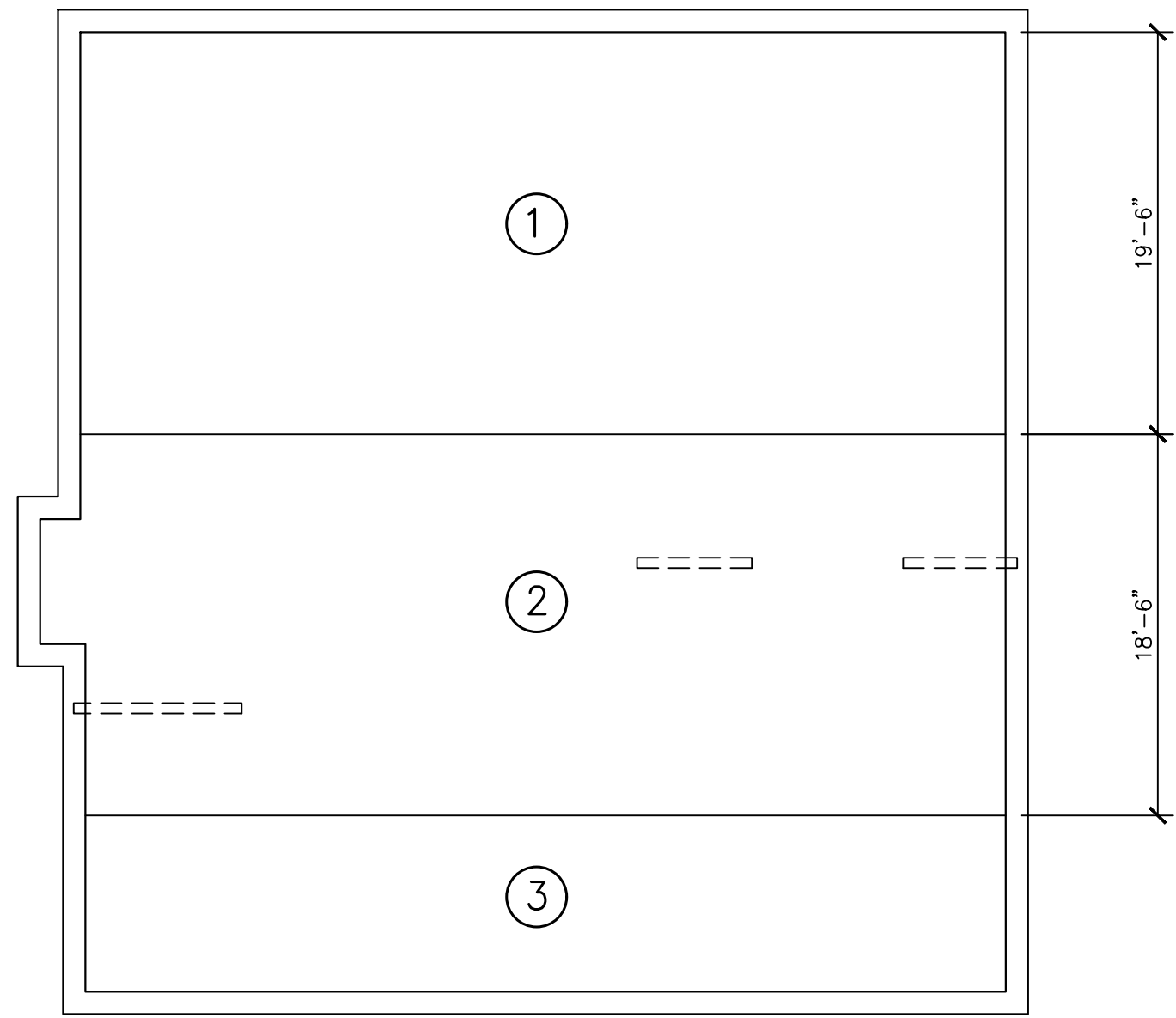
SPACECO INC.

FILENAME:
7267.08PDP

DATE:
08/29/2023

JOB NO.
7267.08

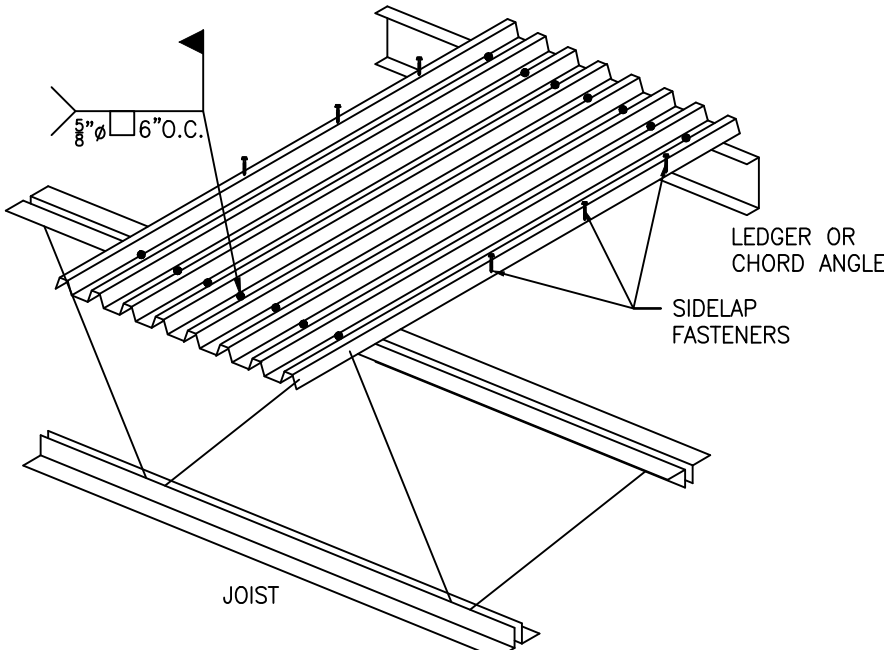
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15 OF 15



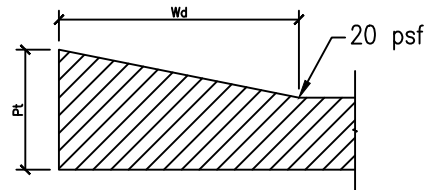
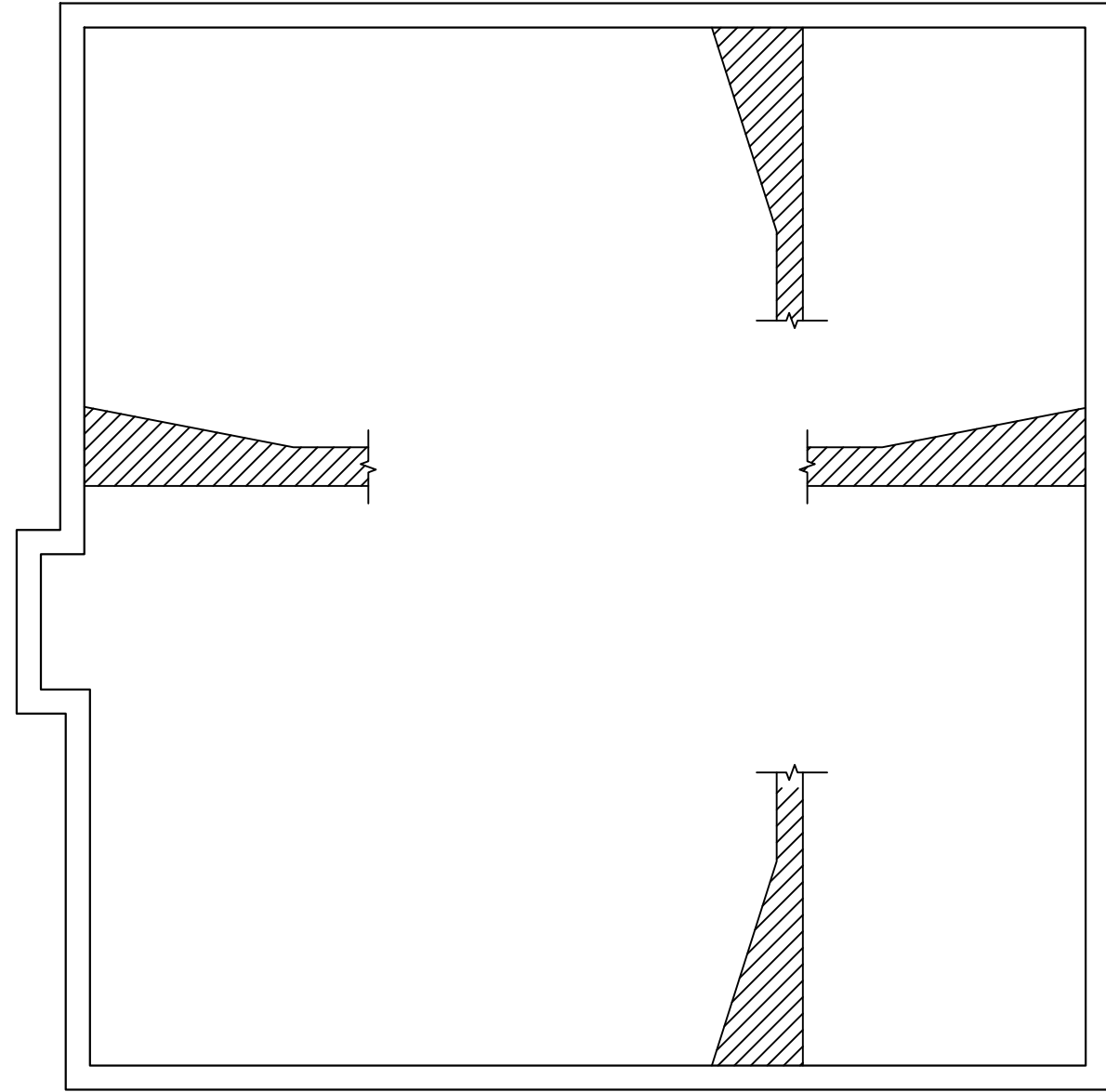
1 ROOF DIAPHRAGM DIAGRAM
SCALE: N.T.S.

ROOF DIAPHRAGM SCHEDULE		
DIAPHRAGM	FASTENERS	SIDELAP
1	36/7	2 / SPAN
2	36/7	4 / SPAN
3	36/5	1 / SPAN

DECK: 1 3/4"-20 GAUGE TYPE B
FASTENERS: 8/8" PUDDLEWELD
SIDELAP: #10 TEK SCREWS



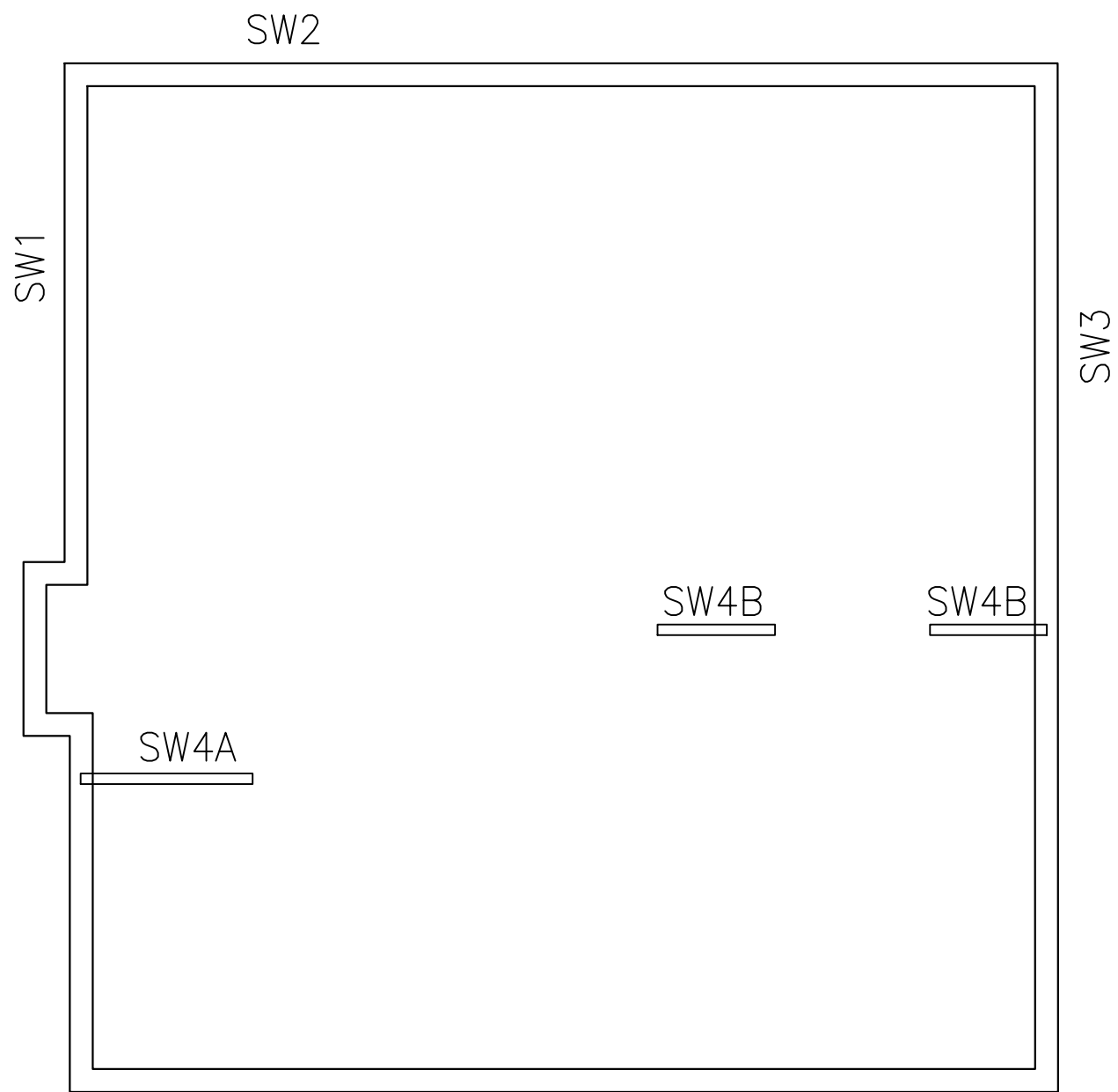
DECK WELDING
TYP. DETAILS
SCALE: N.T.S.



SNOW DRIFT DIAGRAM		
Drift	R _s	W _s
B1	50	7'-0"

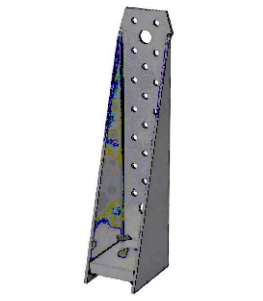
JOISTS HAVE BEEN SIZED
FOR DL/LL/SNOW DRIFT

3 SNOW DRIFT DIAGRAM
SCALE: N.T.S.

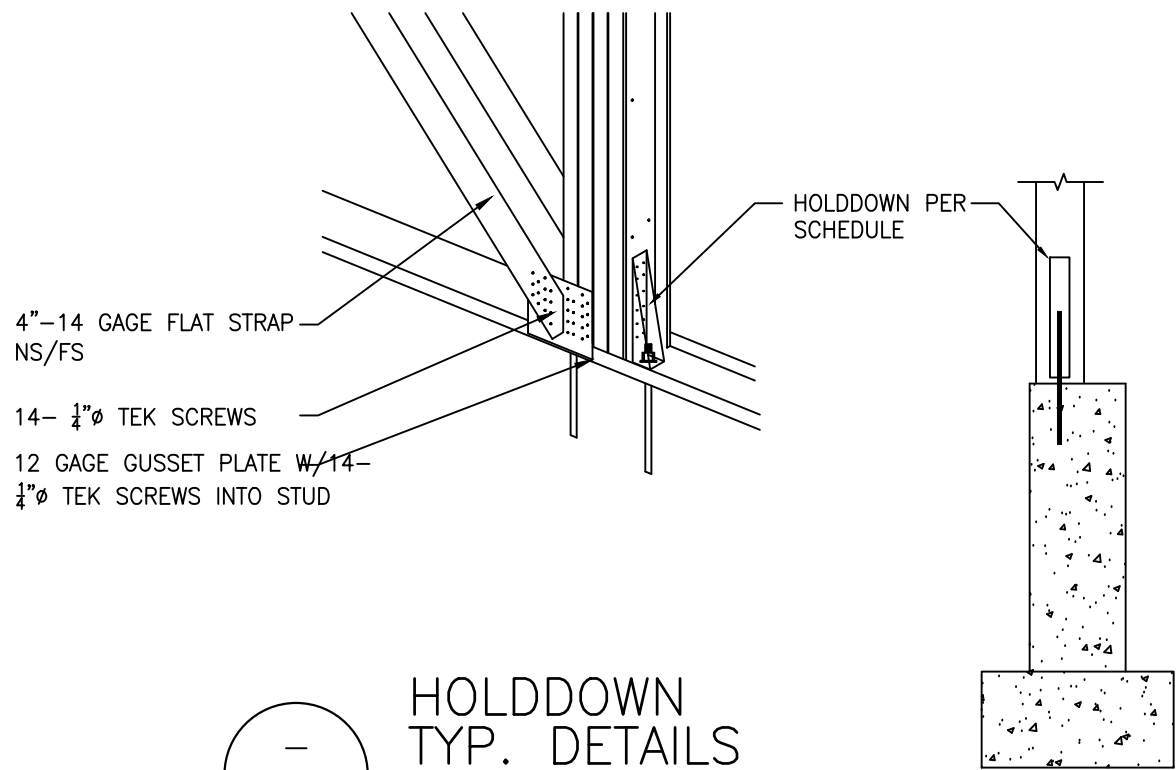


2 SHEAR WALL DIAGRAM
SCALE: N.T.S.

SHEAR WALL SCHEDULE					
WALL	DIAGONAL	END STUDS	HOLDDOWN	FASTENERS	ANCHOR BOLT
SW1	4"-14 GAGE	(2)600 S 162-54	S/HD8S	(17)#14	3/4"x12" EMB. TITEN HD W/SET-XP EPOXY
SW2	4"-14 GAGE	(2)600 S 162-54			
SW3	4"-14 GAGE	(2)600 S 162-54			
SW4A,B	4"-14 GAGE	(2)600 S 162-54			



3/4" x 12" Lx Light Gauge Steel Hold-down



HOLDDOWN
TYP. DETAILS
SCALE: N.T.S.



418 CLINTON PLACE,
RIVER FOREST, IL 60305
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KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT

PRESENTS

BUONA



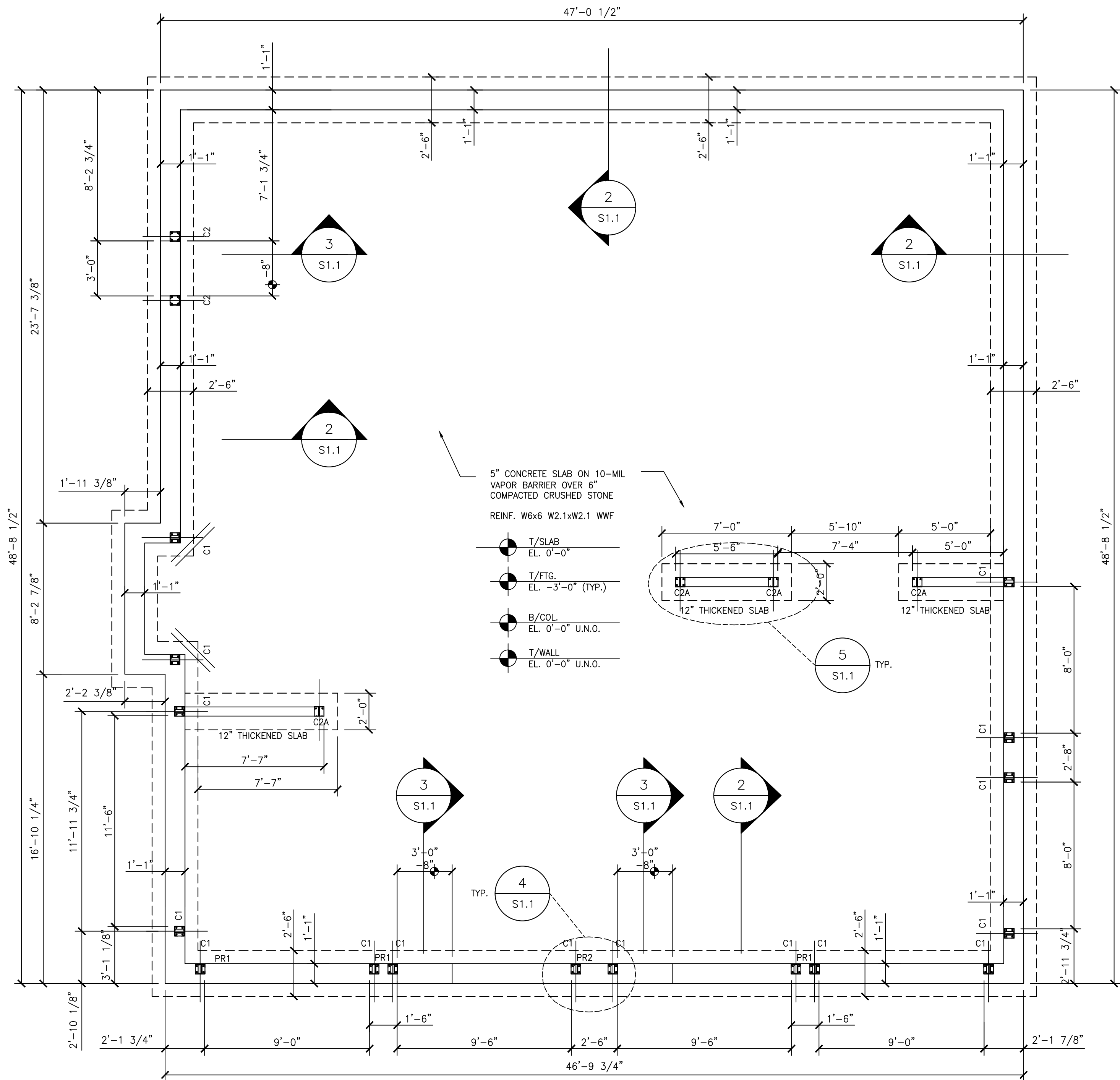
19781 Crawford Avenue, Flossmoor, Illinois

No.	Description	Date
1	REVIEW	8/28/2023

SCHEDULES /
DIAGRAMS

S002

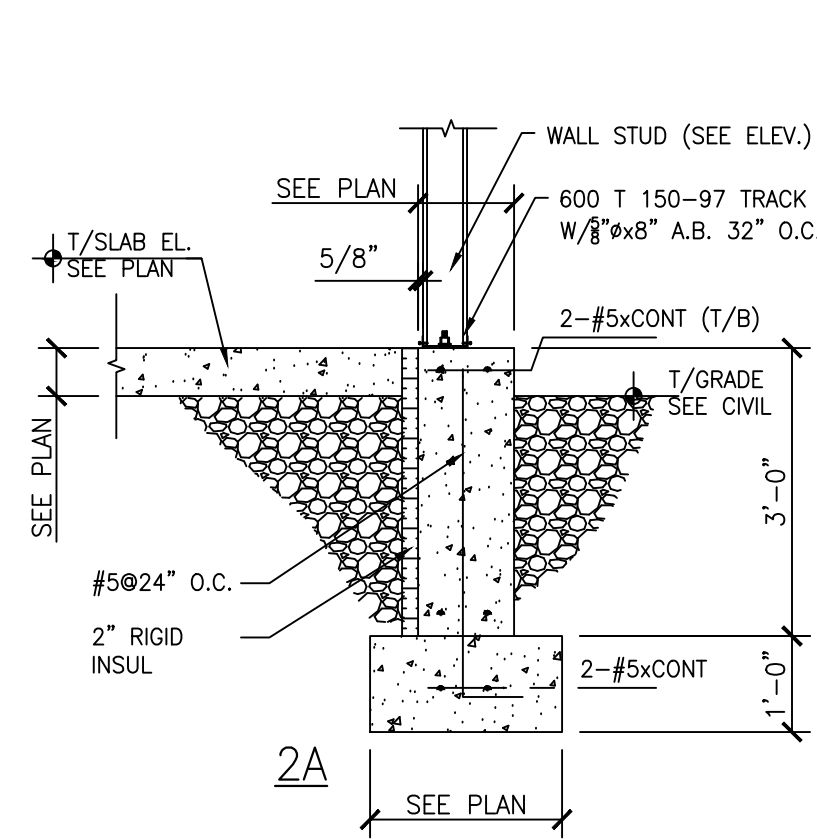
Scale



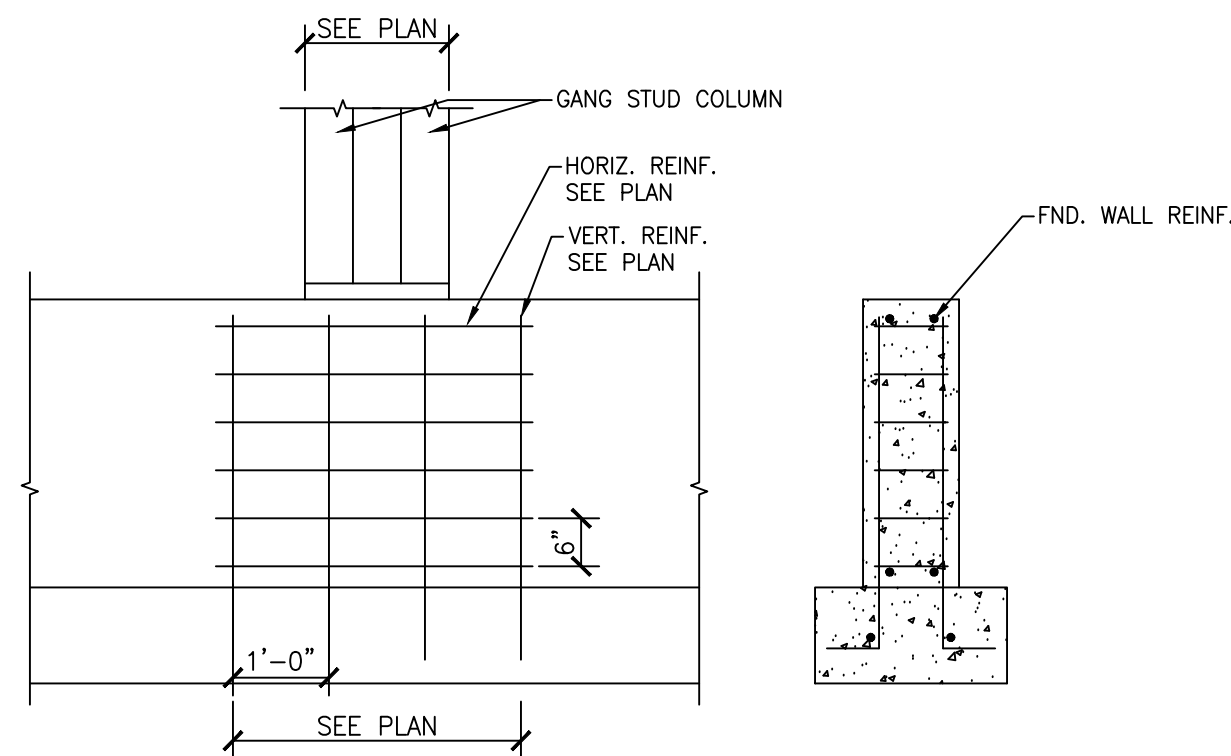
1 FOUNDATION PLAN
S1.1 SCALE: 1/4" = 1'-0"



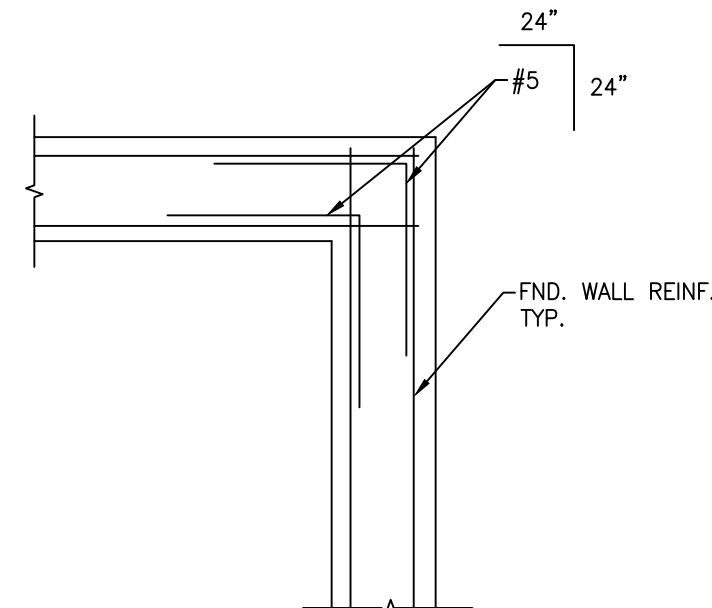
GANG STUD COLUMNS:
C1: (3)600 S 162-68 +
(2)600 T 200 - 68
C2: (2)600 S 162-54 +
(2)600 T 200 - 54
C2A: (2)600 S 162-54 (BACK-TO-BACK)
TRACK: 600 T 200-97 W/ 1/4"x8" EMB. A.B. 32" MAX. O.C.
IN-WALL PIER:
PR1: PIER 36" WIDE x 13" W/8-#5 VERT/#3 TIES @ 6" O.C.
PR2: PIER 48" WIDE x 13" W/10-#5 VERT/#3 TIES @ 6" O.C.



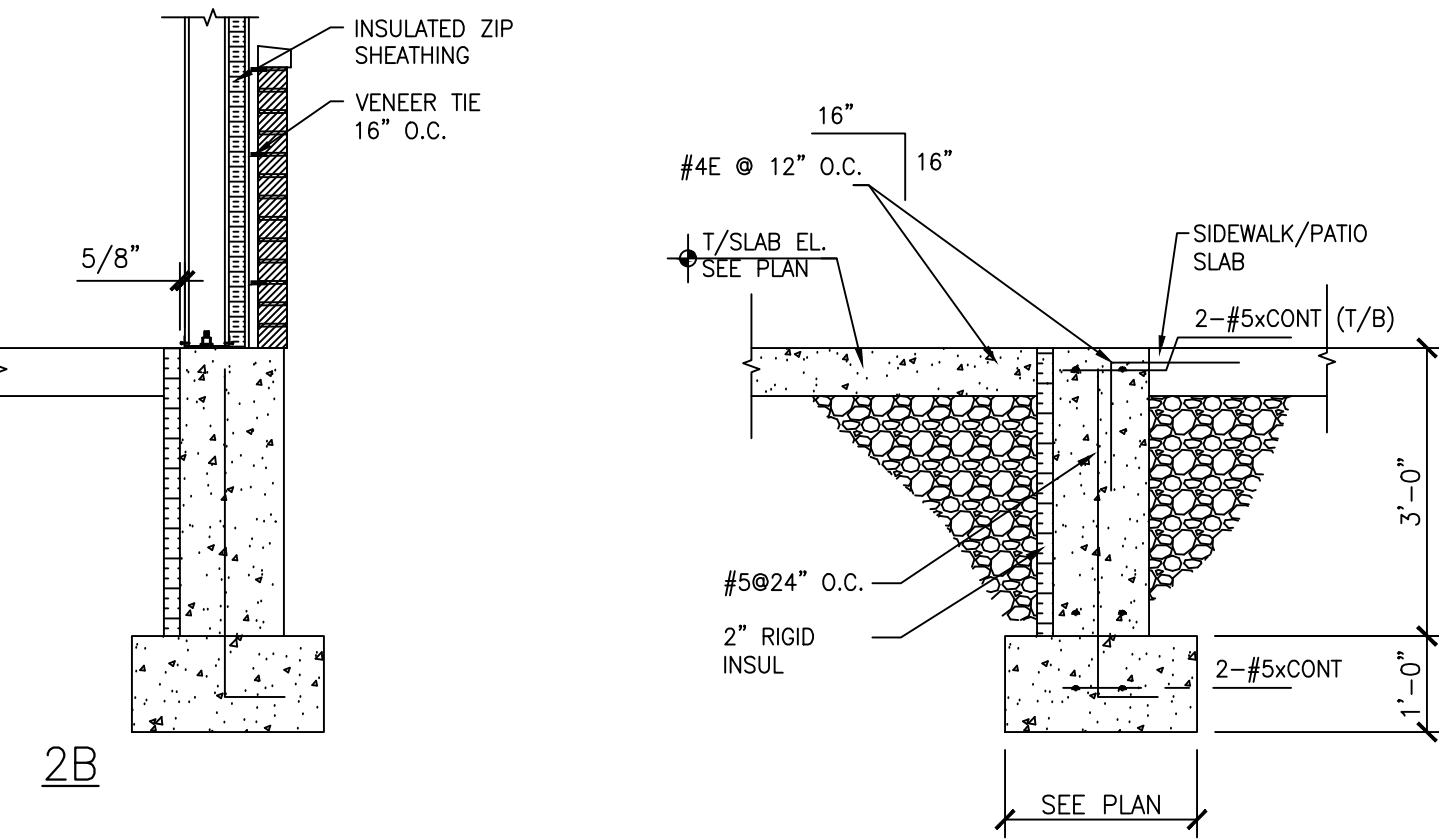
2 SECTION
S1.1 SCALE: 1/2" = 1'-0"



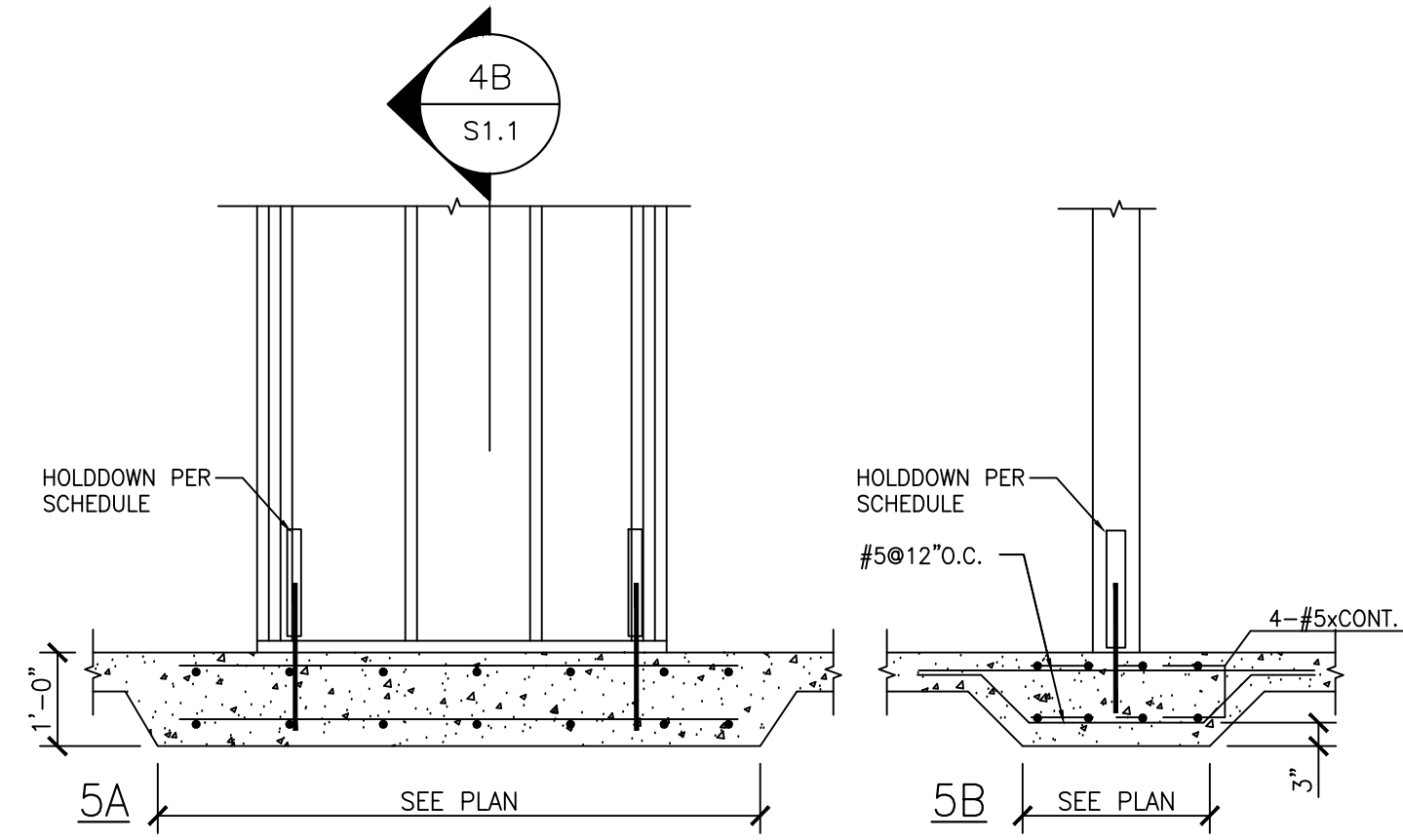
4 PIER DETAIL
S1.1 SCALE: 1/2" = 1'-0"



A TYPICAL DETAIL
S1.1 FOUNDATION WALL
SCALE: 1/2" = 1'-0"



3 SECTION
S1.1 SCALE: 1/2" = 1'-0"

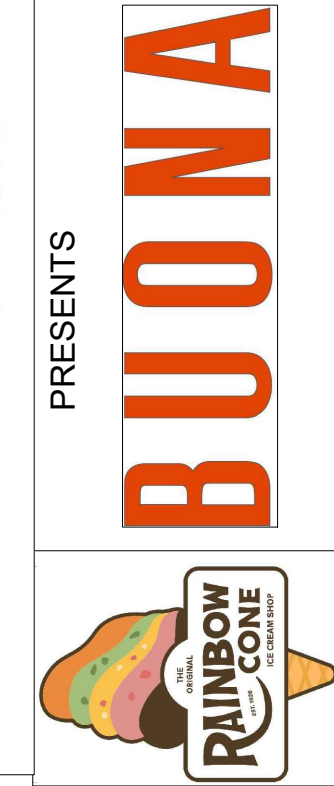


5 THICKENED SLAB
S1.1 DETAIL
SCALE: 1/2" = 1'-0"



418 CLINTON PLACE,
RIVER FOREST, IL 60305
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KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT



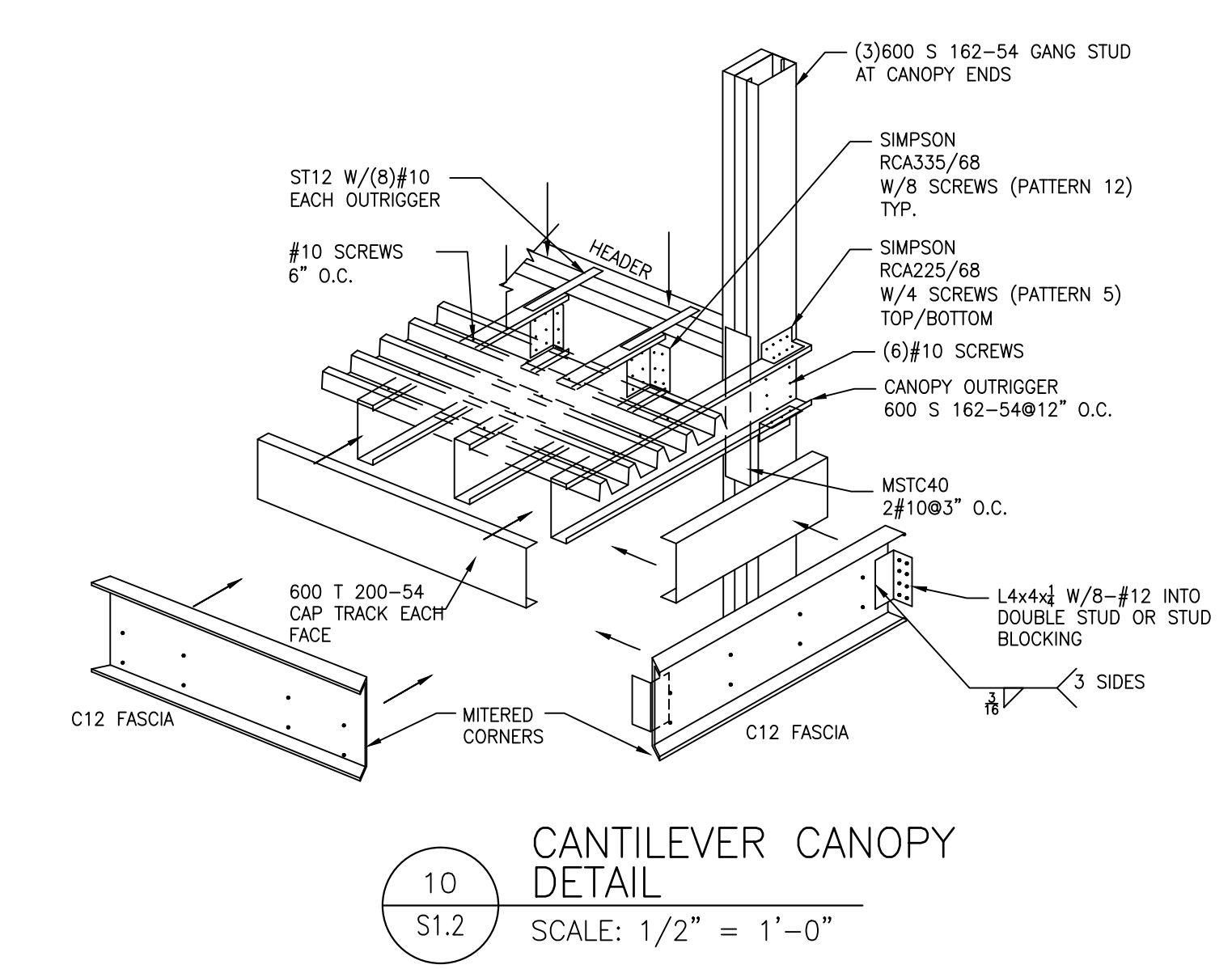
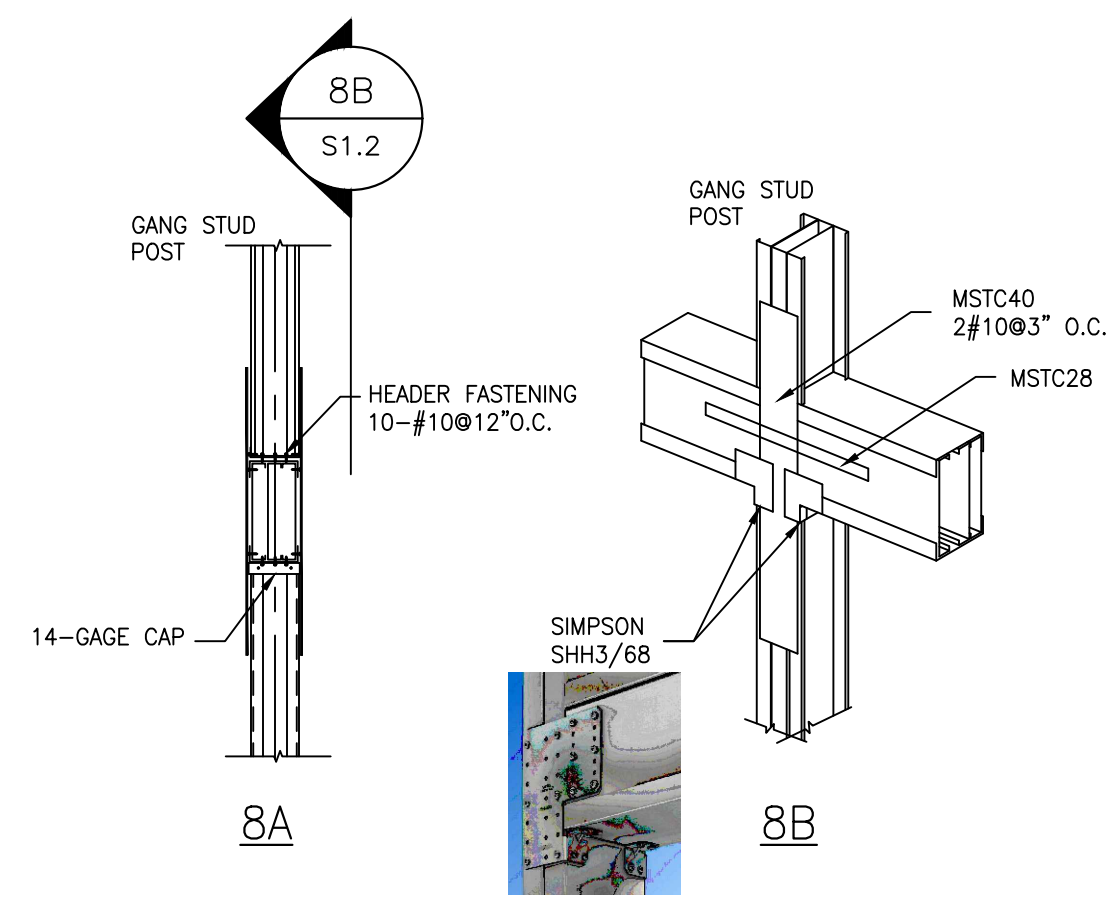
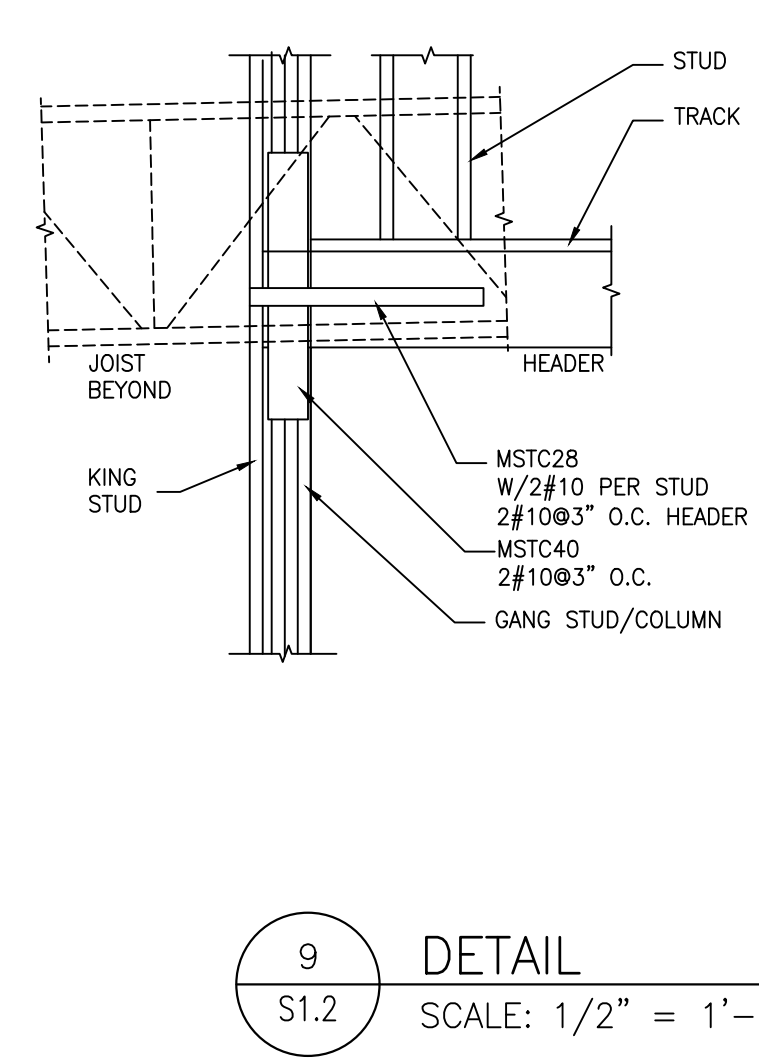
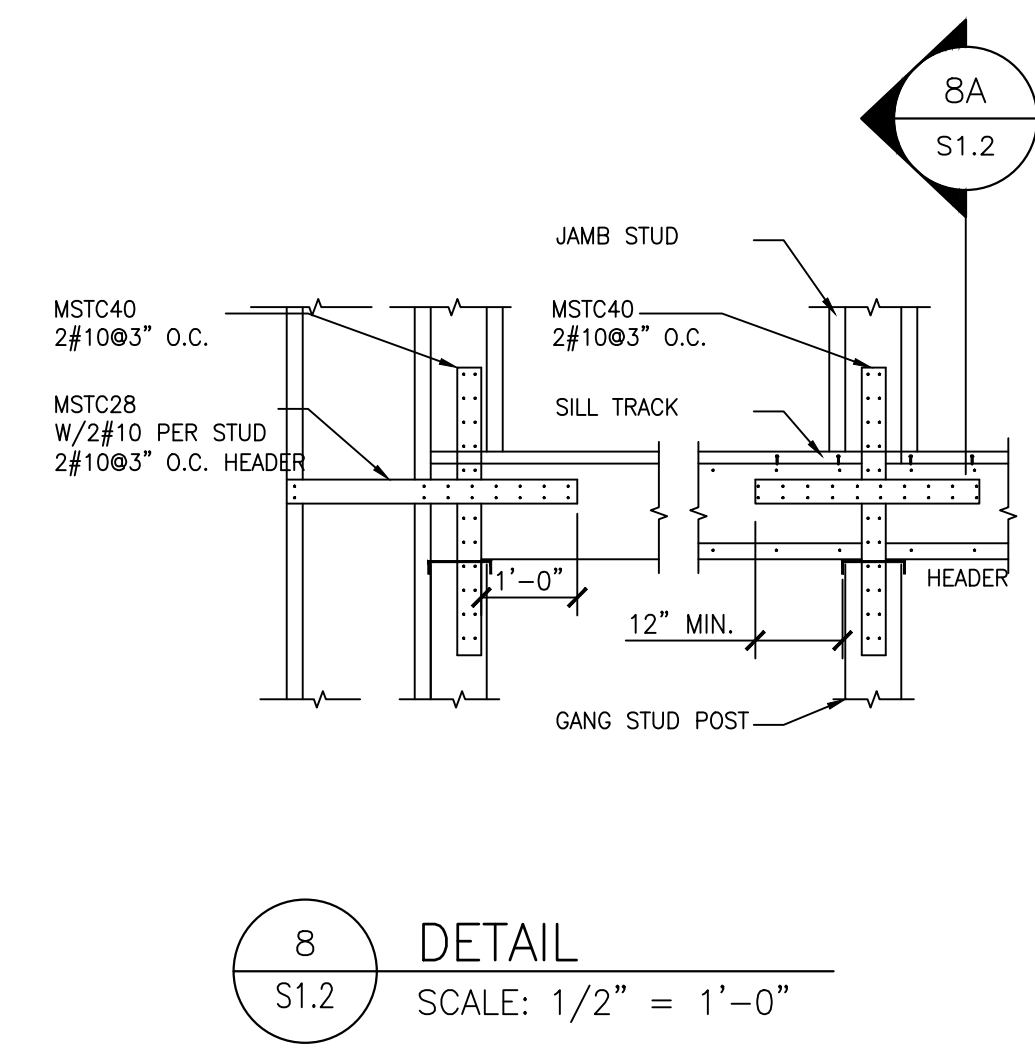
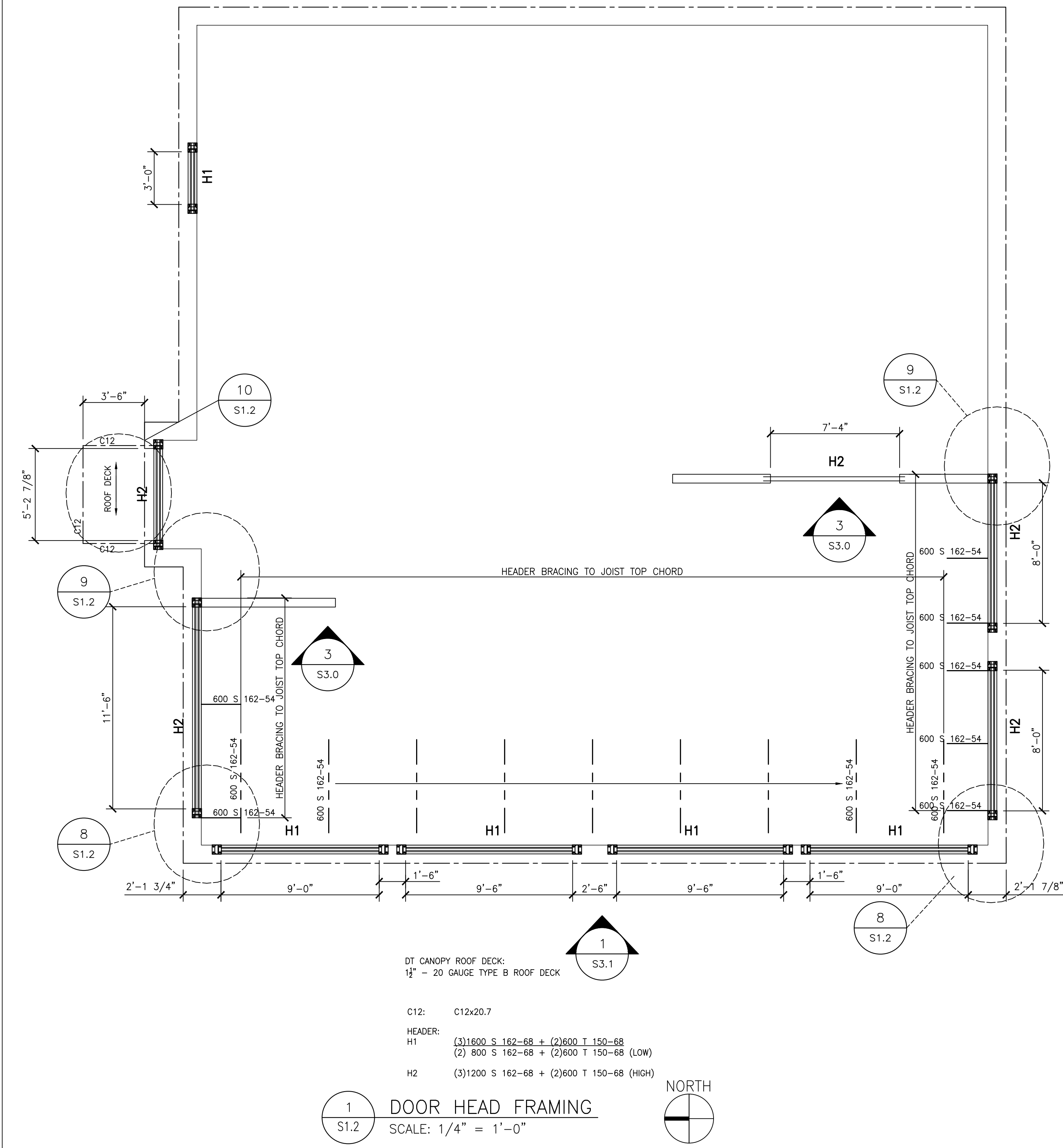
19781 Crawford Avenue, Flossmoor, Illinois

No.	Description	Date
1	REVIEW	8/28/2023

FOUNDATION PLAN

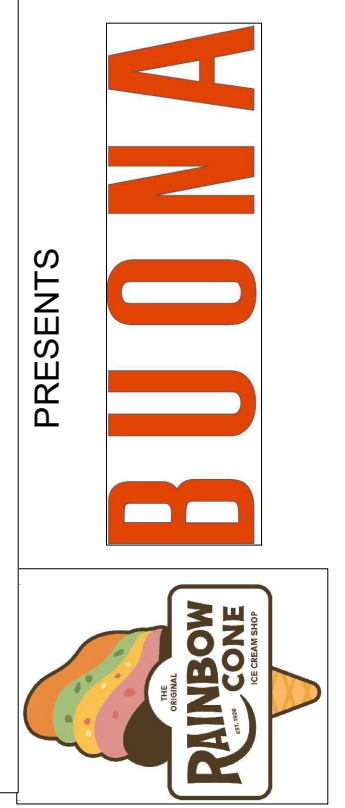
S1.1

Scale



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KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT



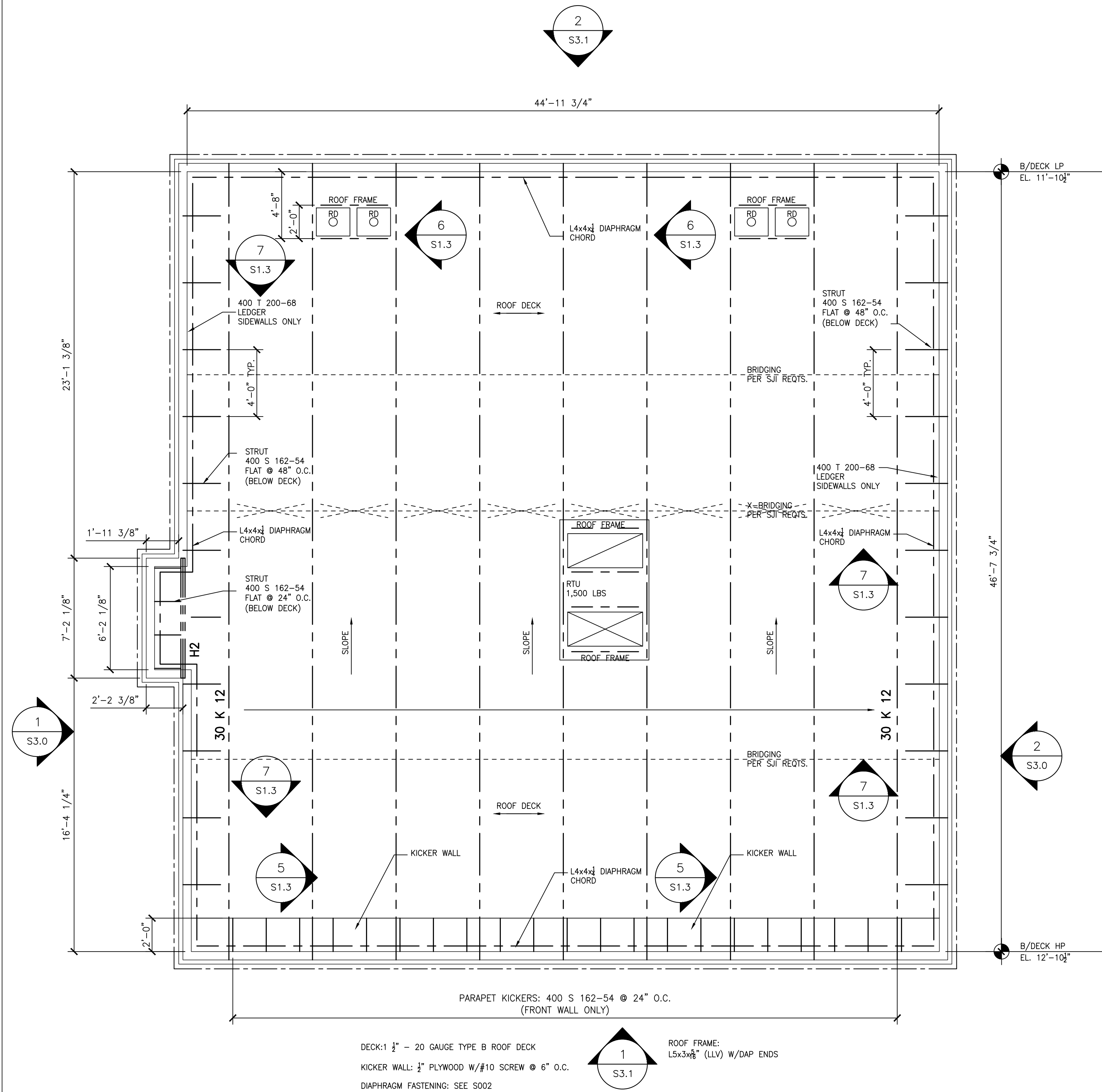
19781 Crawford Avenue, Flossmoor, Illinois

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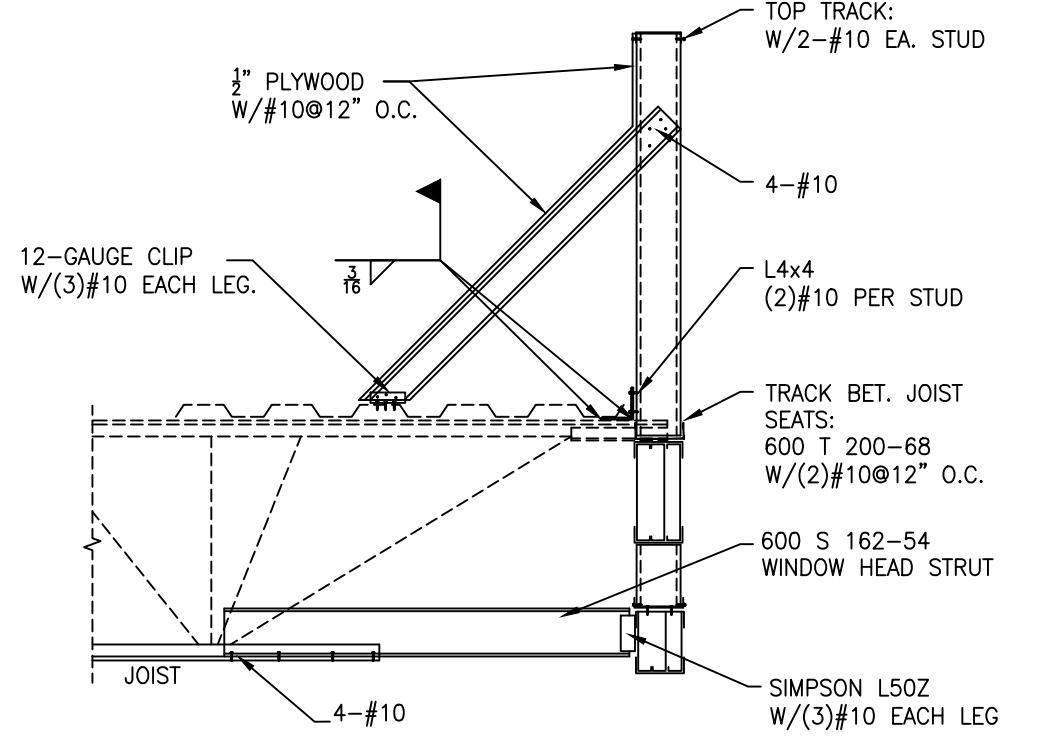
DOOR HEAD FRAMING PLAN

S1.2

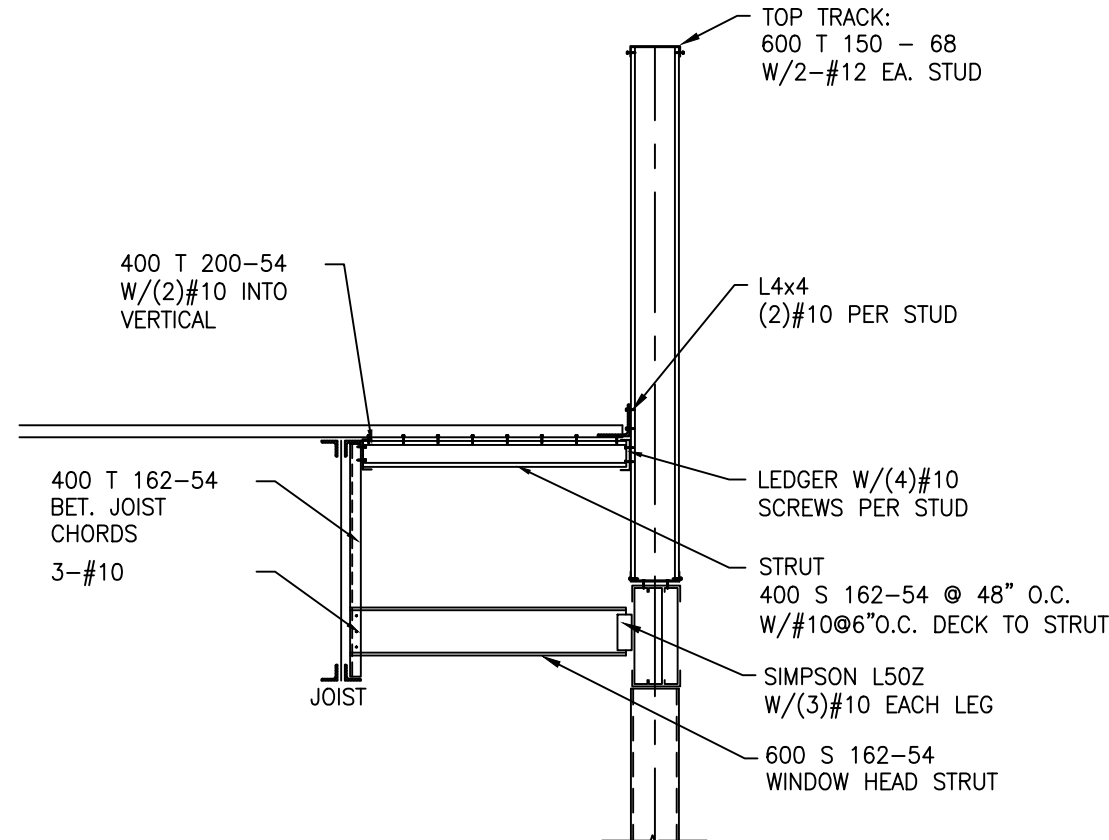
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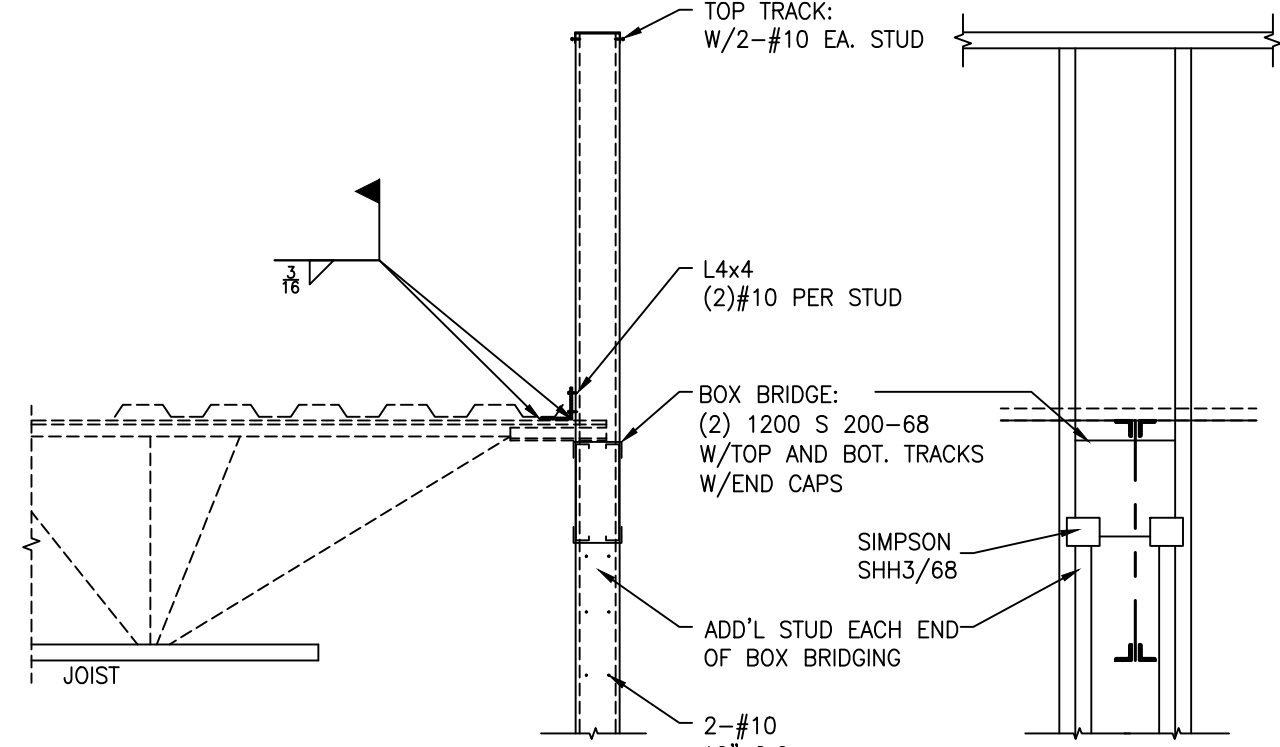
1 ROOF FRAMING PLAN
S1.3 SCALE: 1/4" = 1'-0"



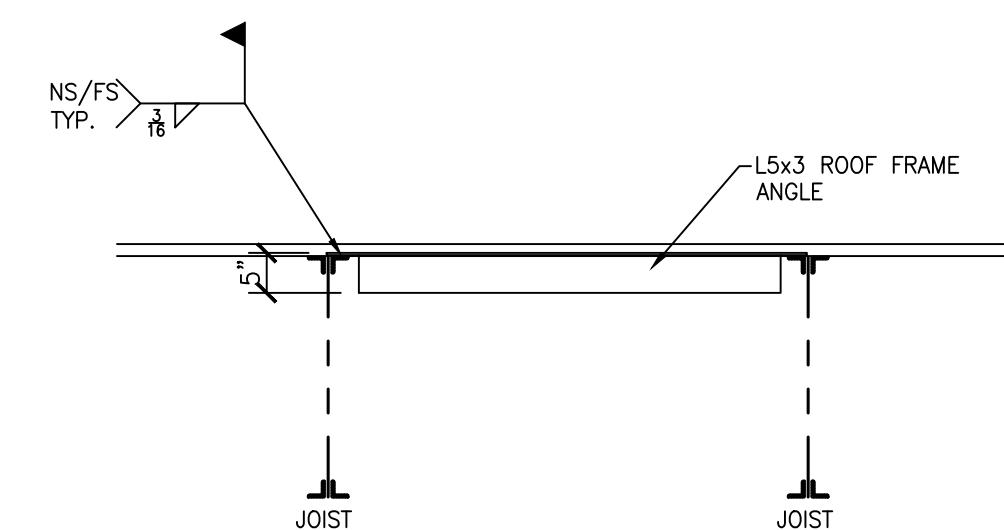
5 SECTION
S1.3 SCALE: 1/2" = 1'-0"



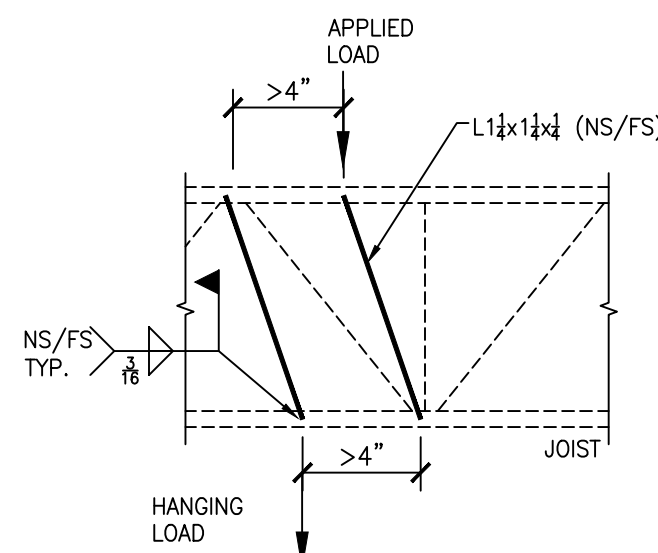
7 SECTION
S1.3 SCALE: 1/2" = 1'-0"



6 SECTION
S1.3 SCALE: 1/2" = 1'-0"



B TYPICAL DETAIL
S1.3 ROOF FRAME
SCALE: 1/2" = 1'-0"



C TYPICAL DETAIL
S1.3 JOIST REINF.
SCALE: 1/2" = 1'-0"



418 CLINTON PLACE,
RIVER FOREST, IL 60305
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KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT

PRESENTS
BUONA

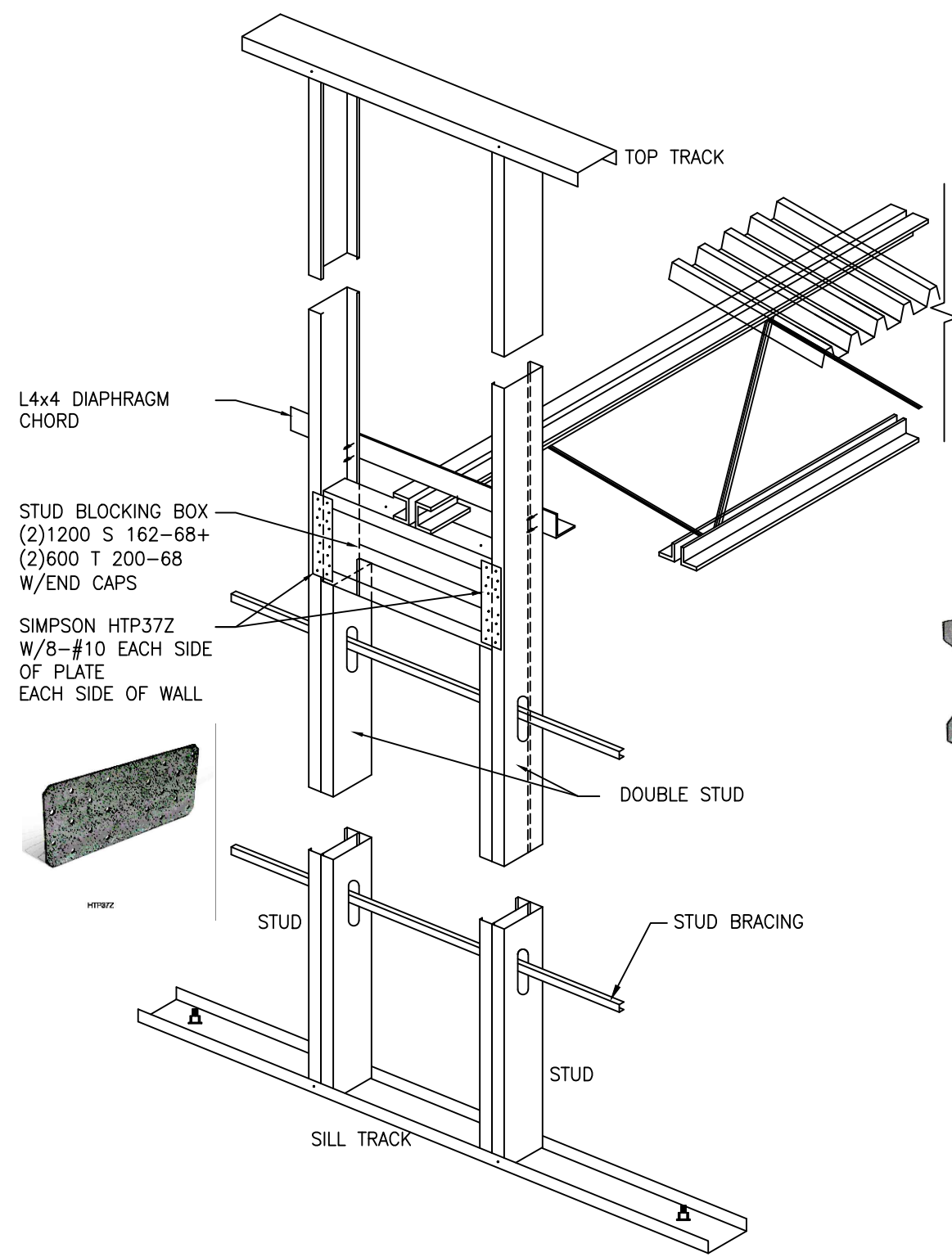
19781 Crawford Avenue, Flossmoor, Illinois

No.	Description	Date
1	REVIEW	8/28/2023

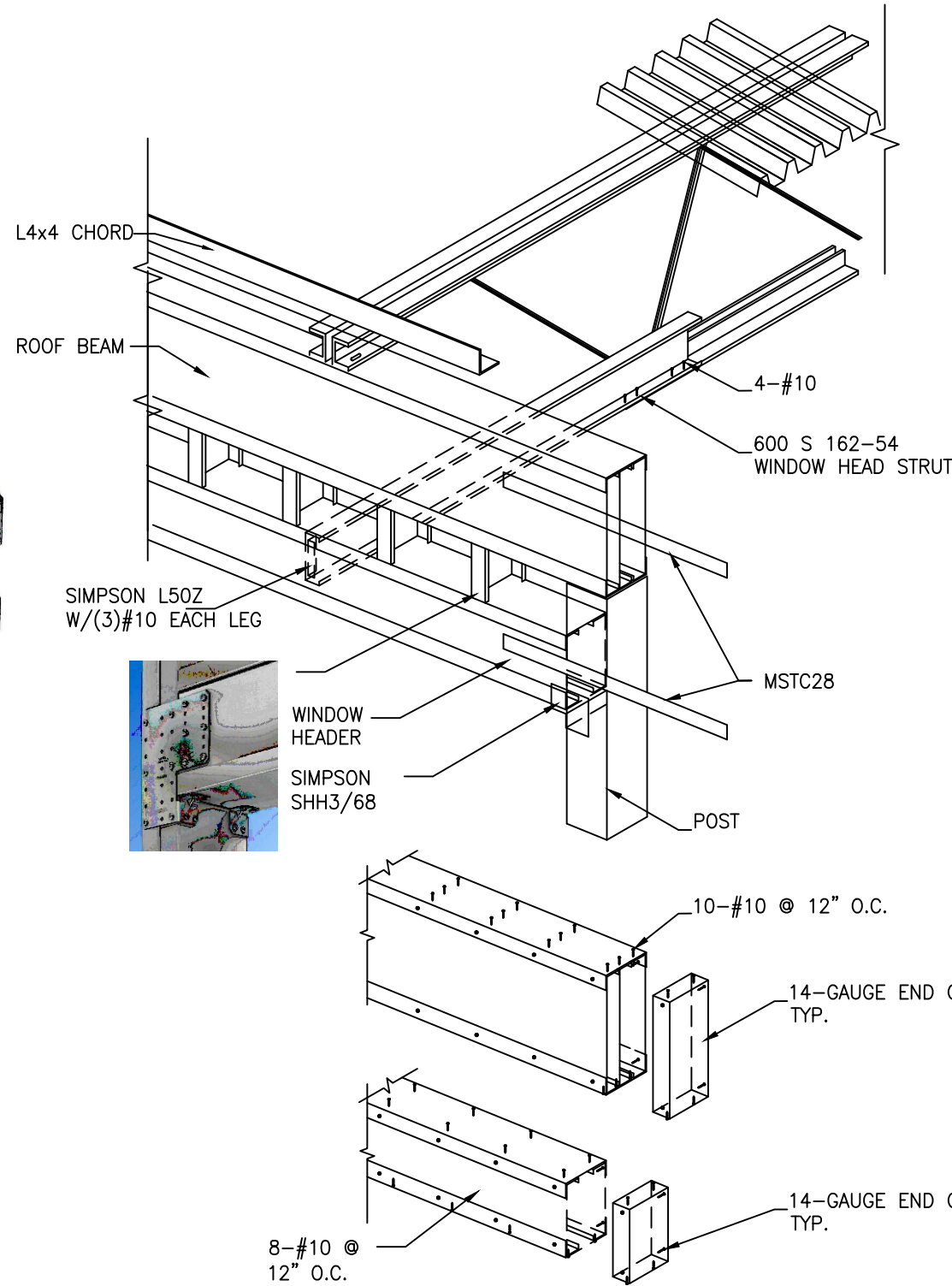
ROOF FRAMING PLAN

S1.3

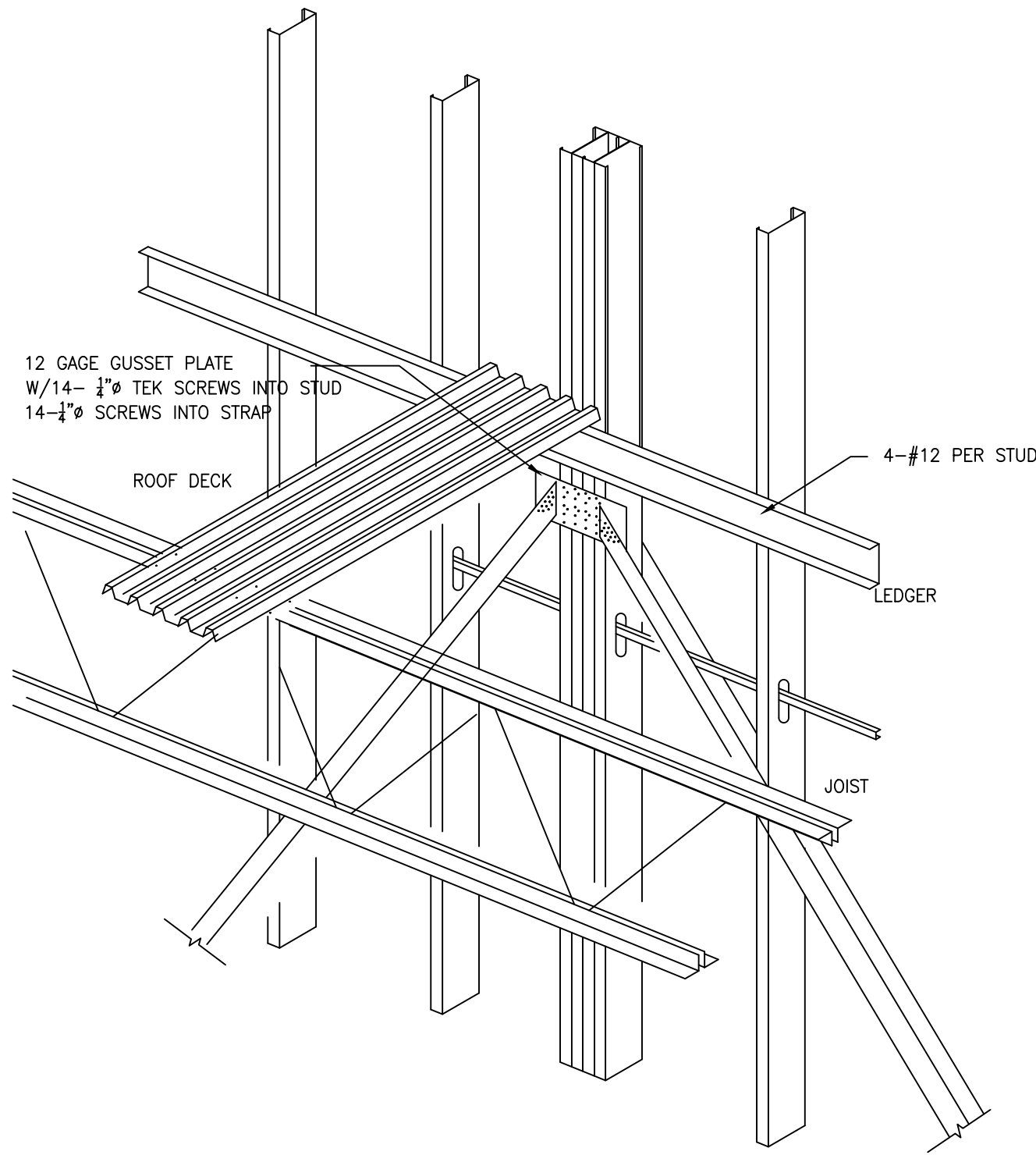
Scale



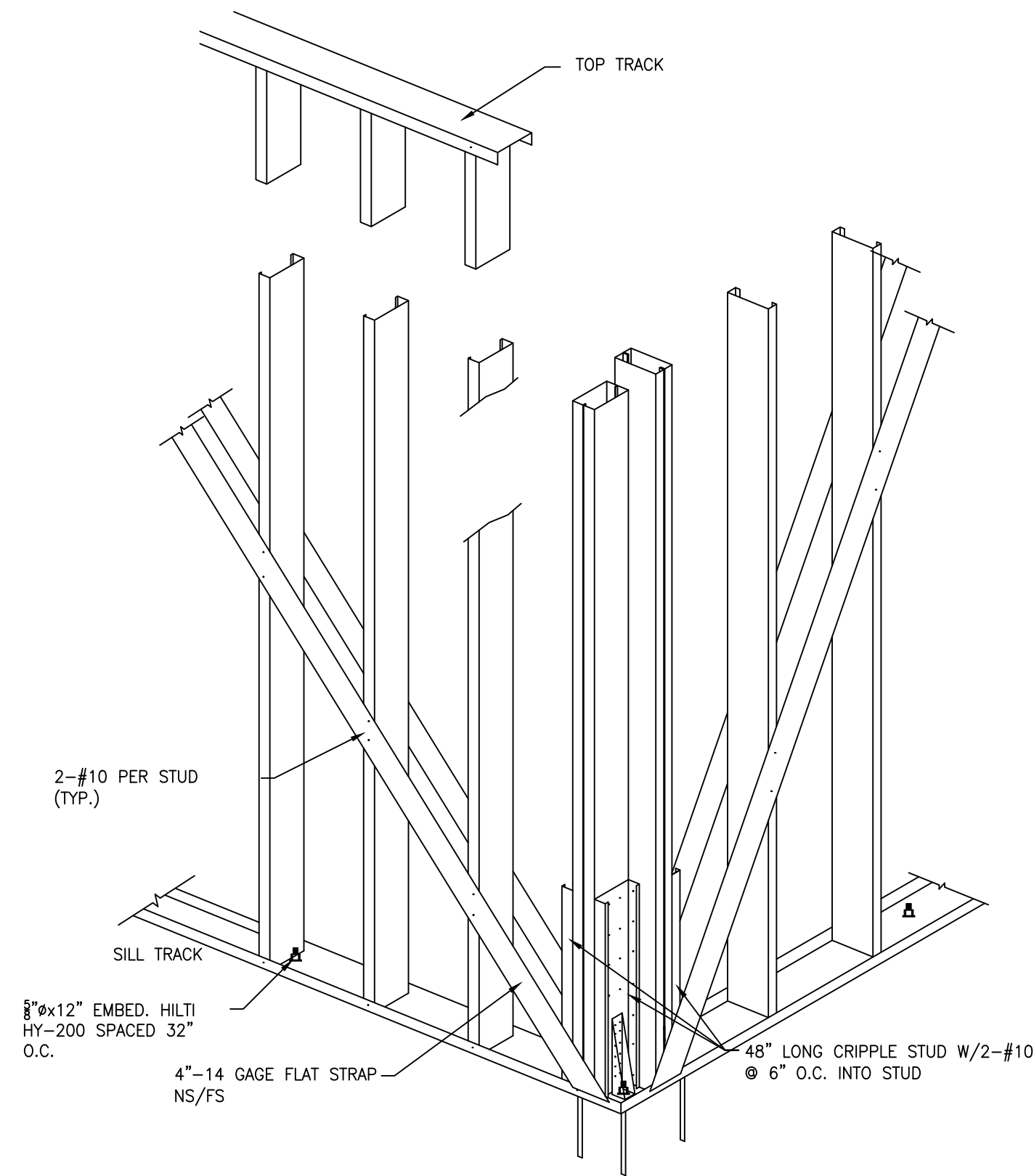
1
S2.1 ISOMETRIC DETAIL
SCALE: 1/2" = 1'-0"



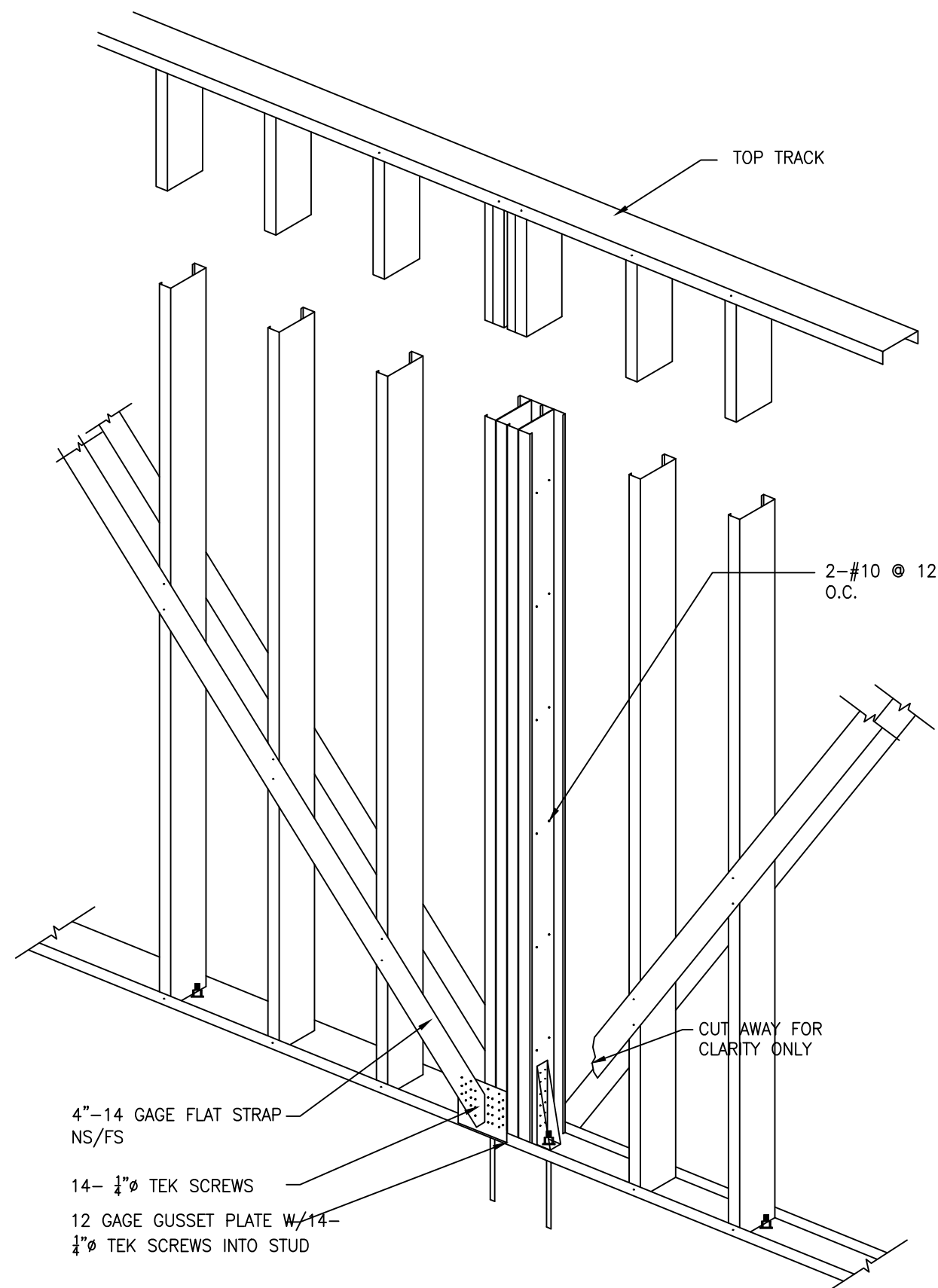
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S2.1 ISOMETRIC DETAIL
SCALE: 1/2" = 1'-0"



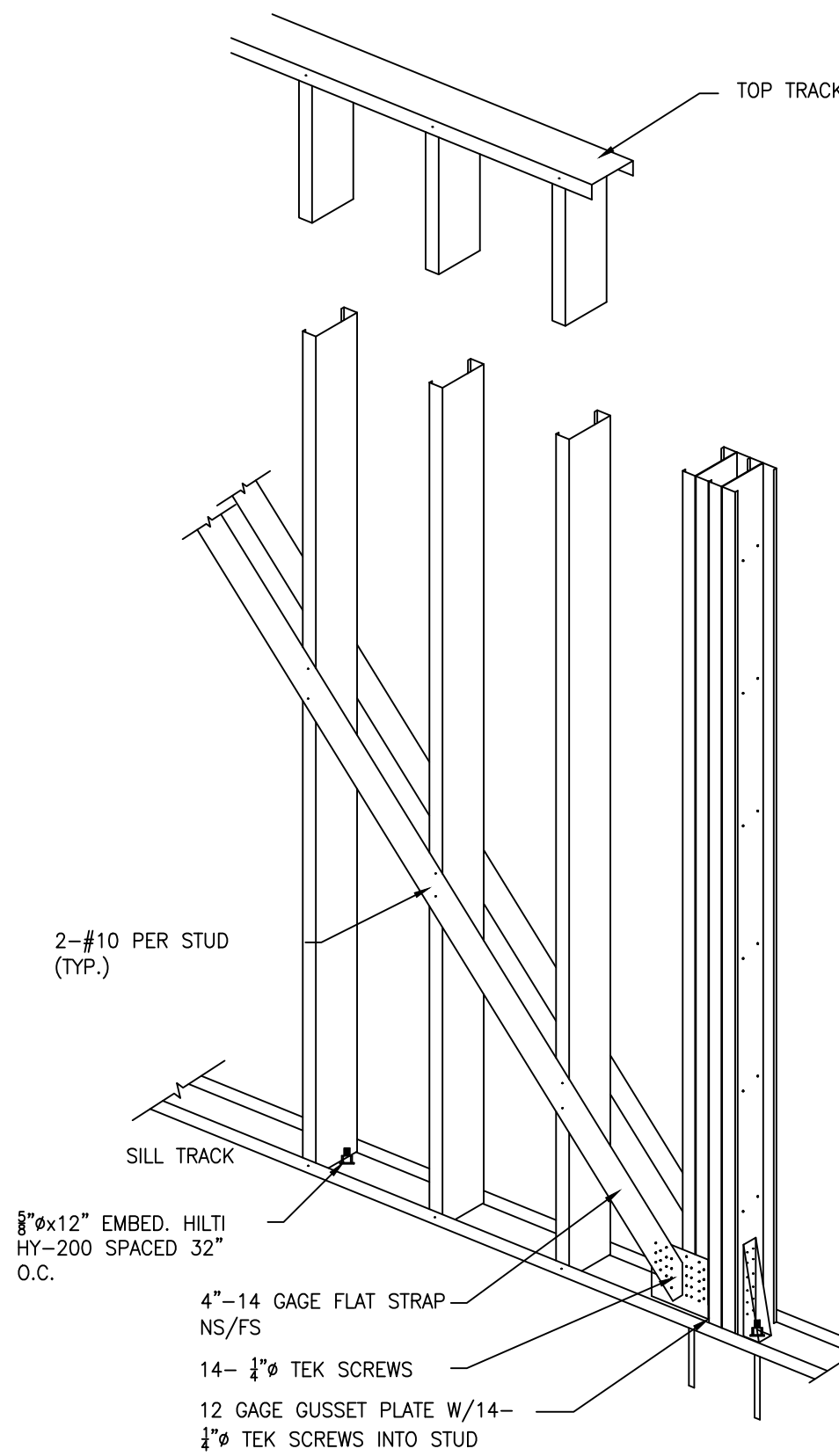
3
S2.1 ISOMETRIC DETAIL
SCALE: 1/2" = 1'-0"



4
S2.1 ISOMETRIC DETAIL
SCALE: 1/2" = 1'-0"



5
S2.1 ISOMETRIC DETAIL
SCALE: 1/2" = 1'-0"

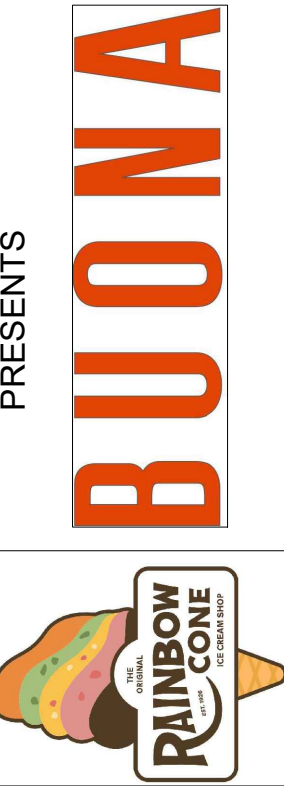


6
S2.1 ISOMETRIC DETAIL
SCALE: 1/2" = 1'-0"



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REAL ESTATE DEVELOPMENT



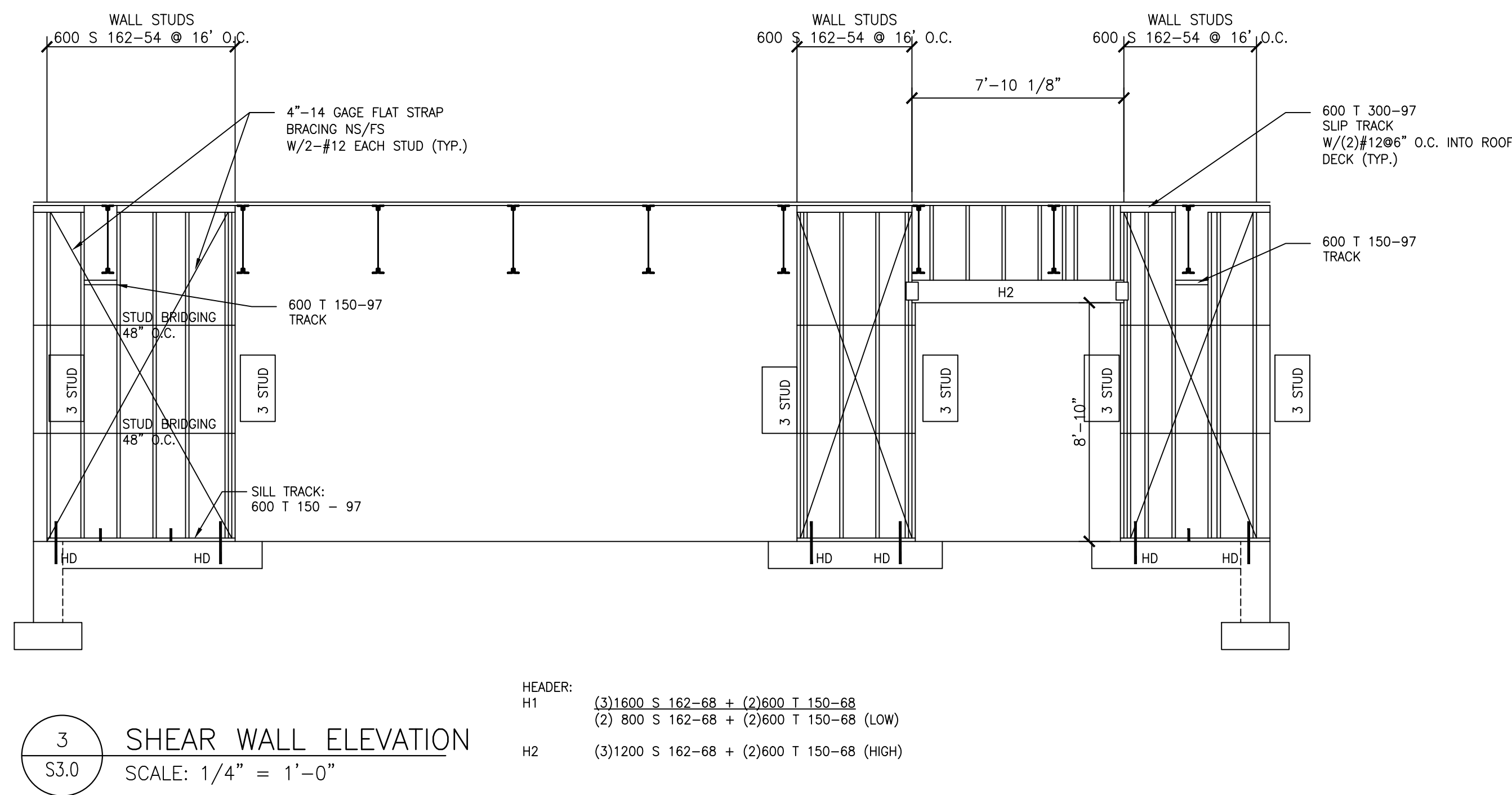
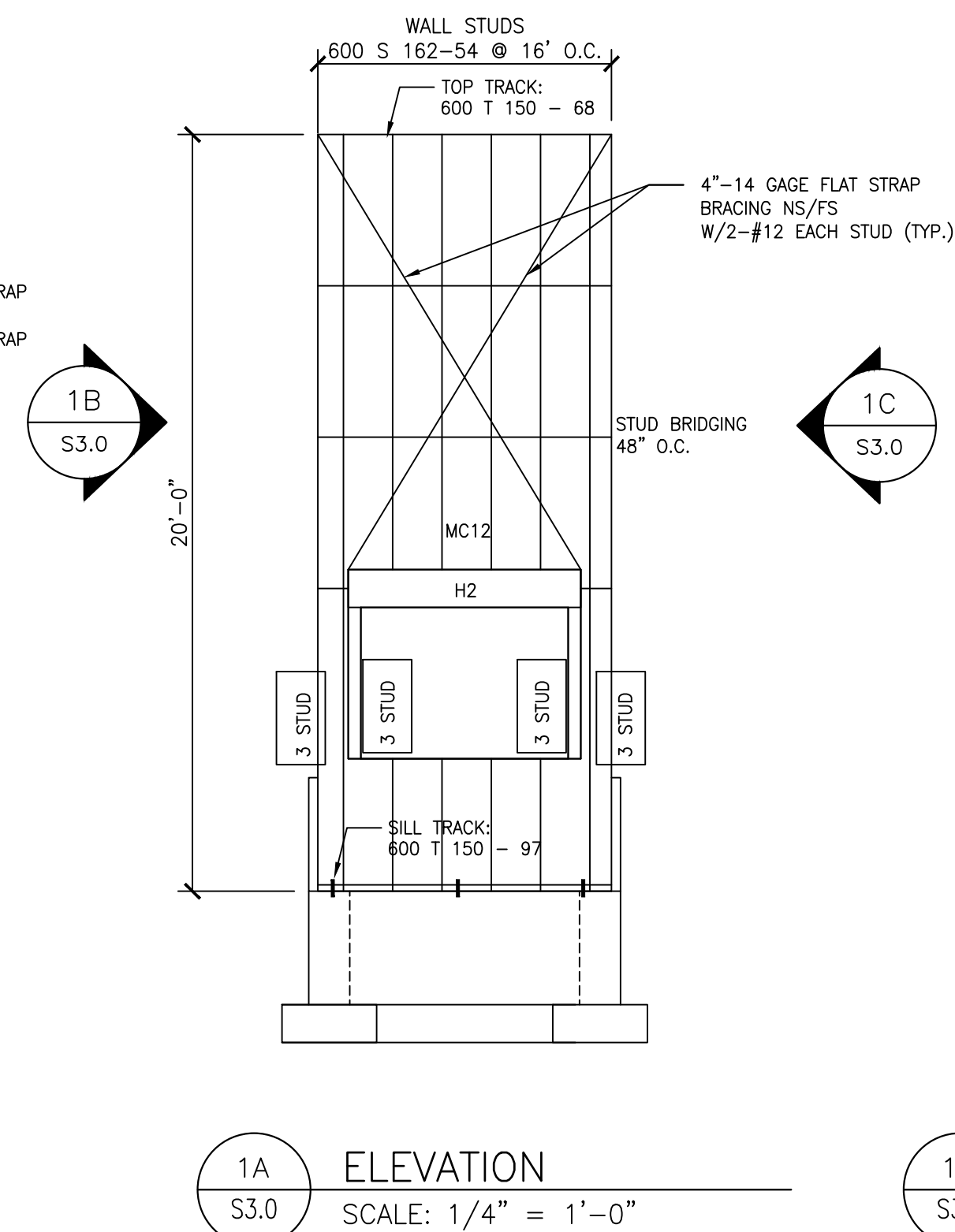
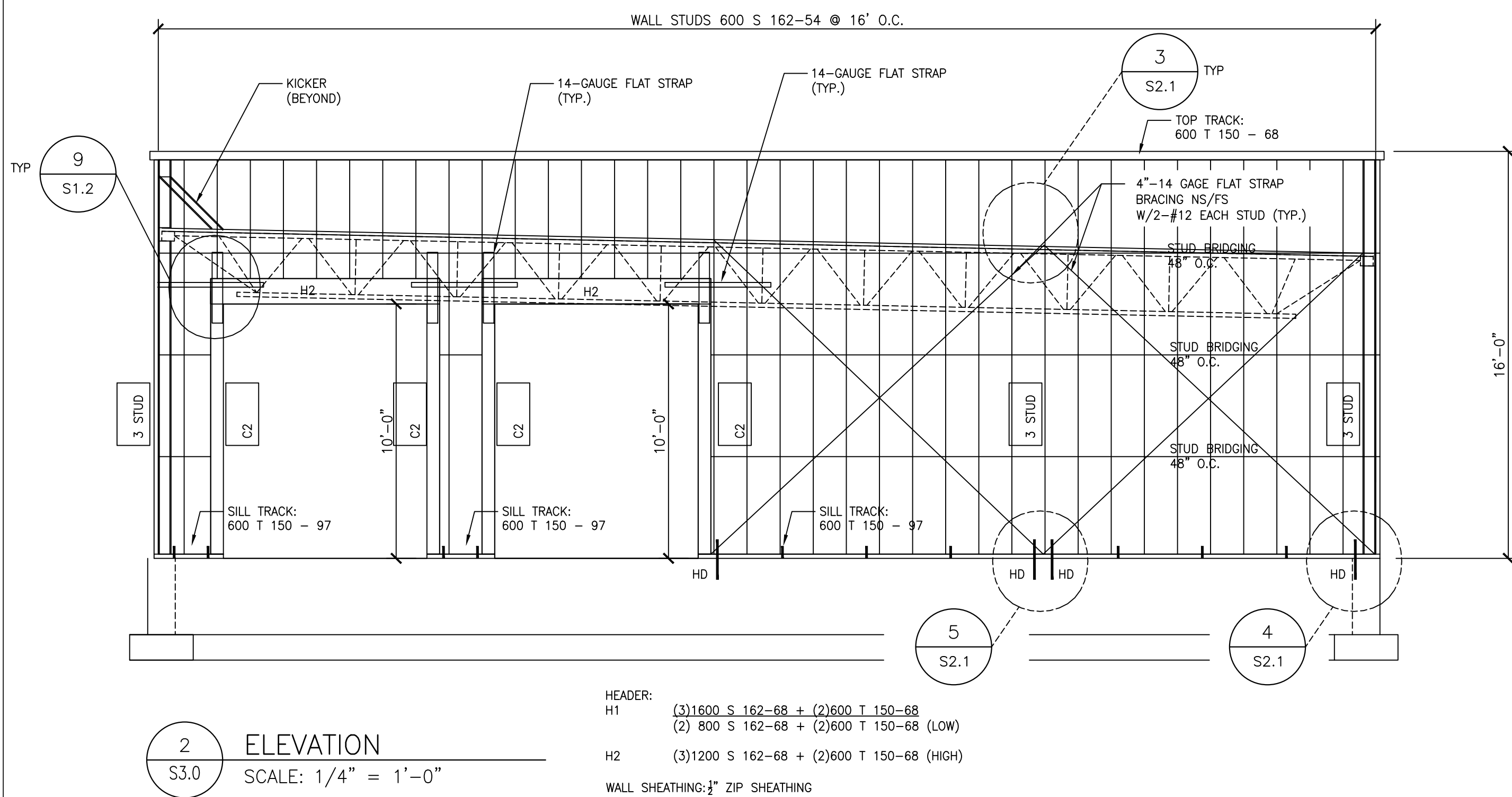
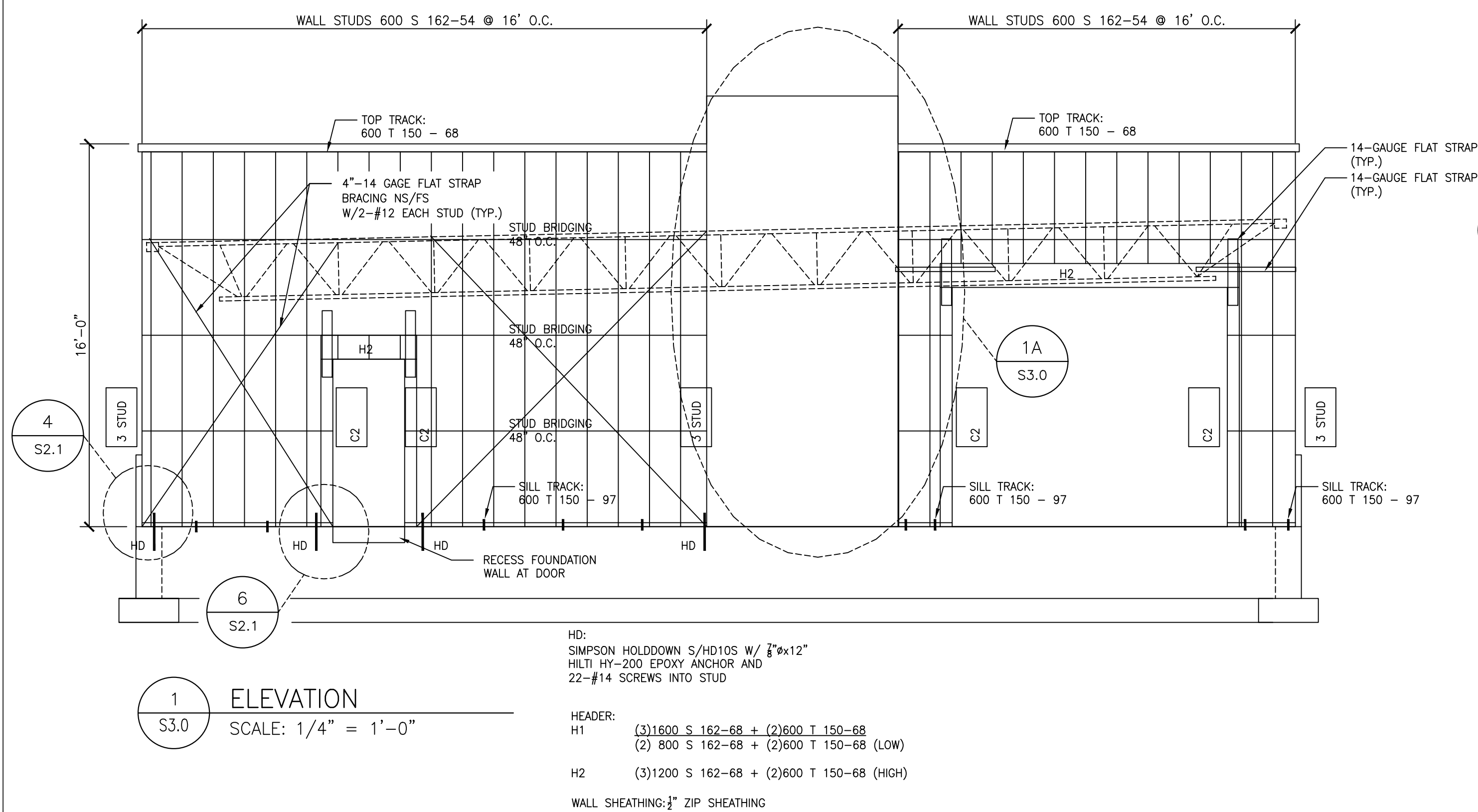
19781 Crawford Avenue, Flossmoor, Illinois

No.	Description	Date
1	REVIEW	8/28/2023

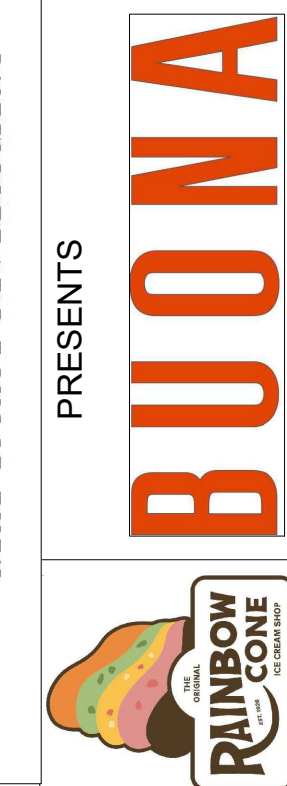
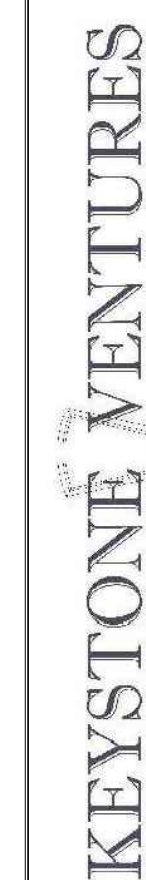
ISOMETRIC FRAMING DETAILS

S2.1

Scale



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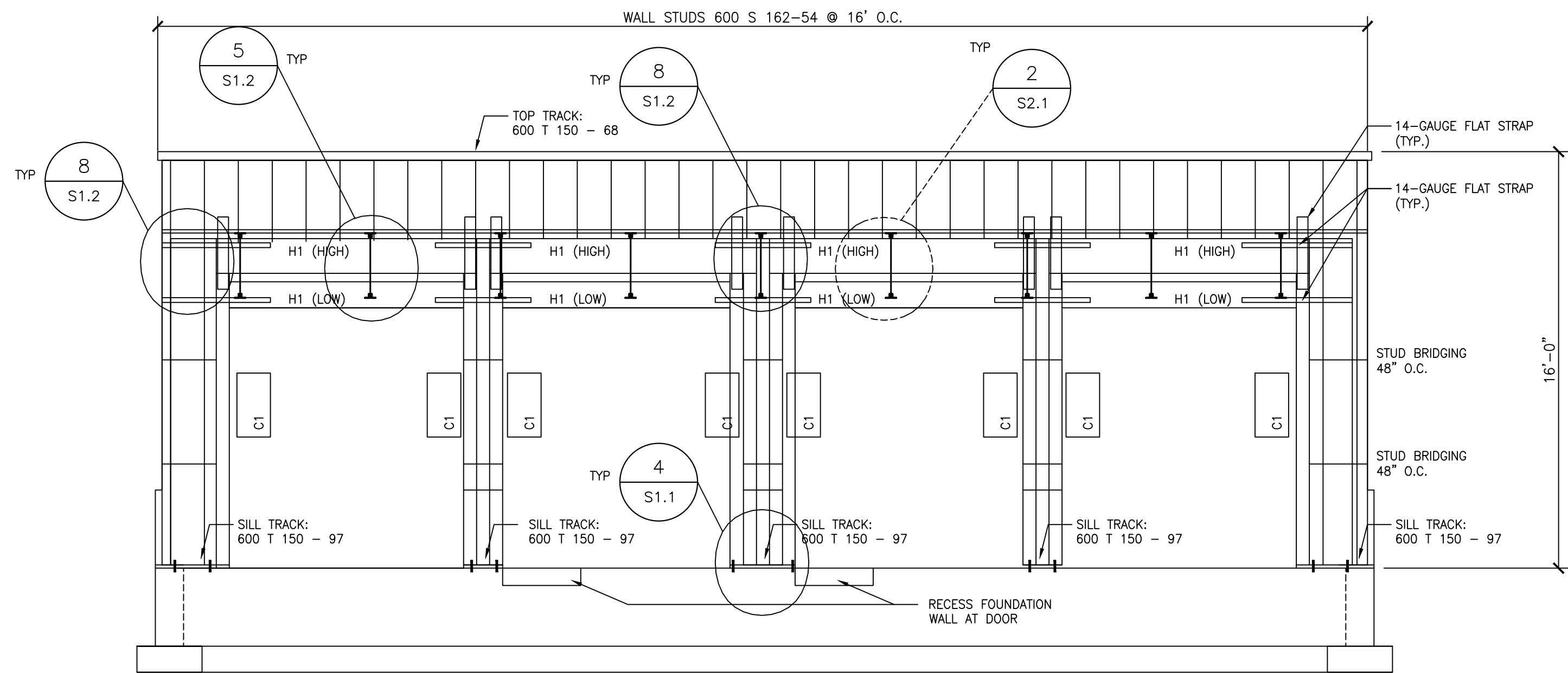
19781 Crawford Avenue, Flossmoor, Illinois

No.	Description	Date
1	REVIEW	8/28/2023

STRUCTURAL ELEVATIONS

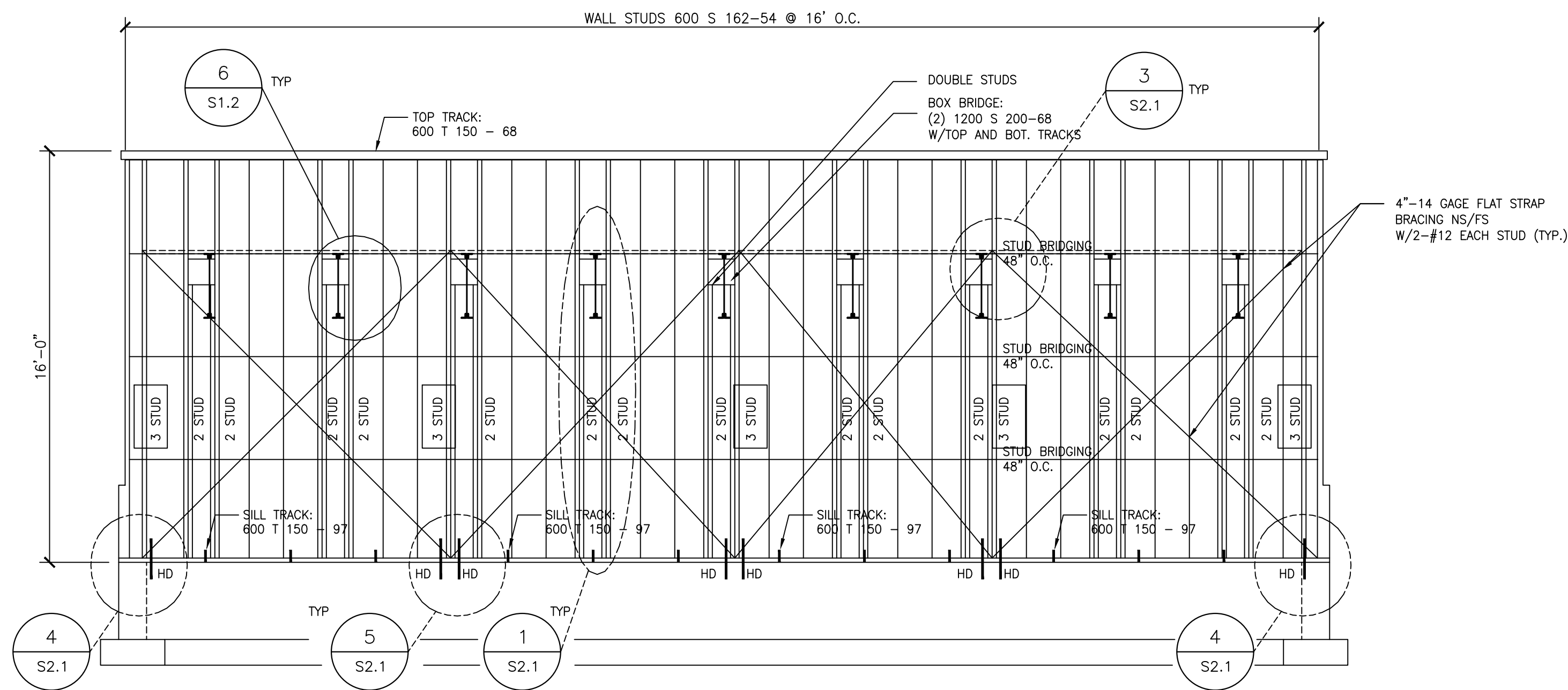
S3.0

Scale



1 ELEVATION
S3.1 SCALE: 1/4" = 1'-0"

HEADER:
H1 (3)1600 S 162-68 + (2)600 T 150-68
(2) 800 S 162-68 + (2)600 T 150-68 (LOW)
H2 (3)1200 S 162-68 + (2)600 T 150-68 (HIGH)
WALL SHEATHING: 1/2" ZIP SHEATHING



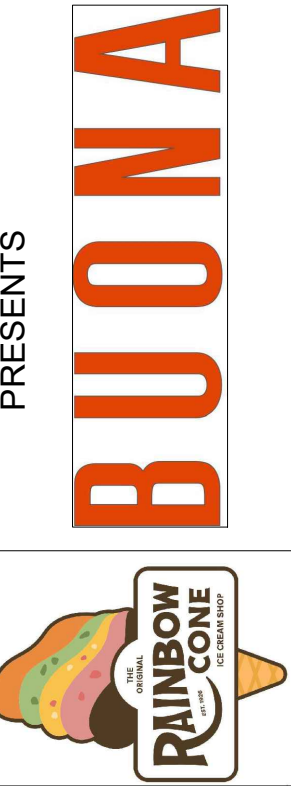
2 ELEVATION
S3.1 SCALE: 1/4" = 1'-0"

WALL SHEATHING: 1/2" ZIP SHEATHING



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KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT



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1	REVIEW	8/28/2023

STRUCTURAL
ELEVATIONS

S3.1

Scale



KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT
PRESENTS

19781 Crawford Avenue, Flossmoor, Illinois

No.	Description	Date

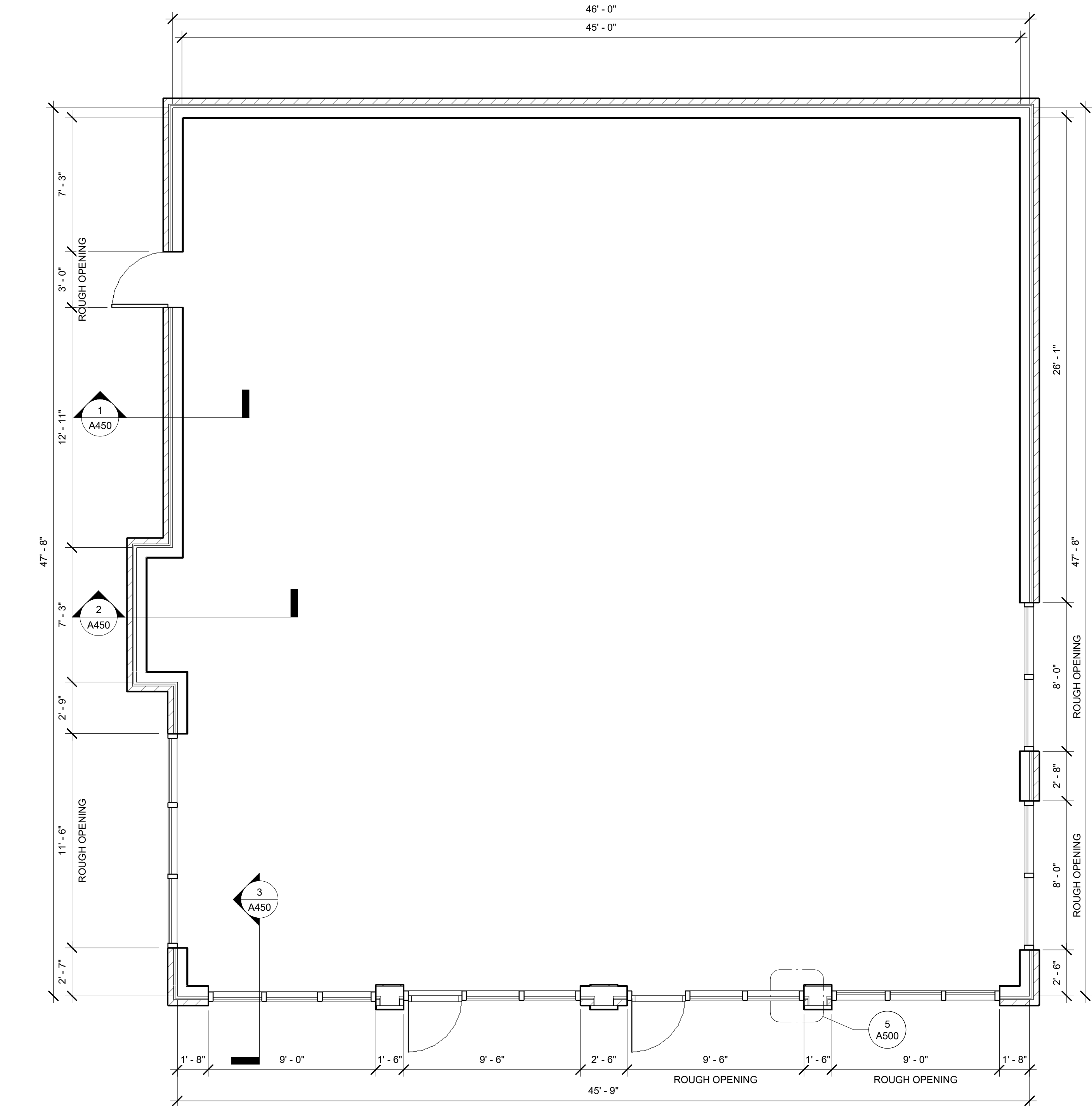
SHELL PLAN

A101

Scale 1/4" = 1'-0"

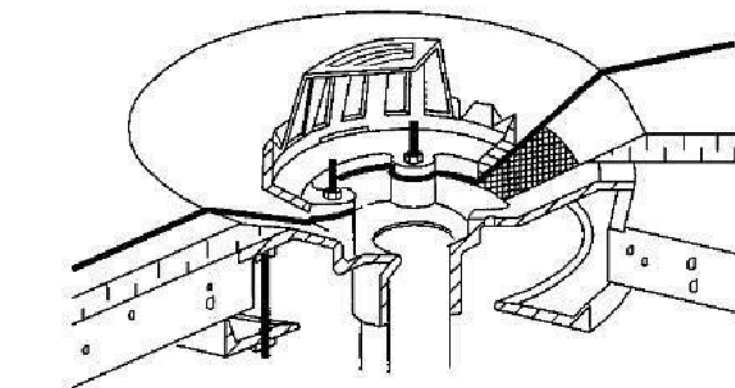
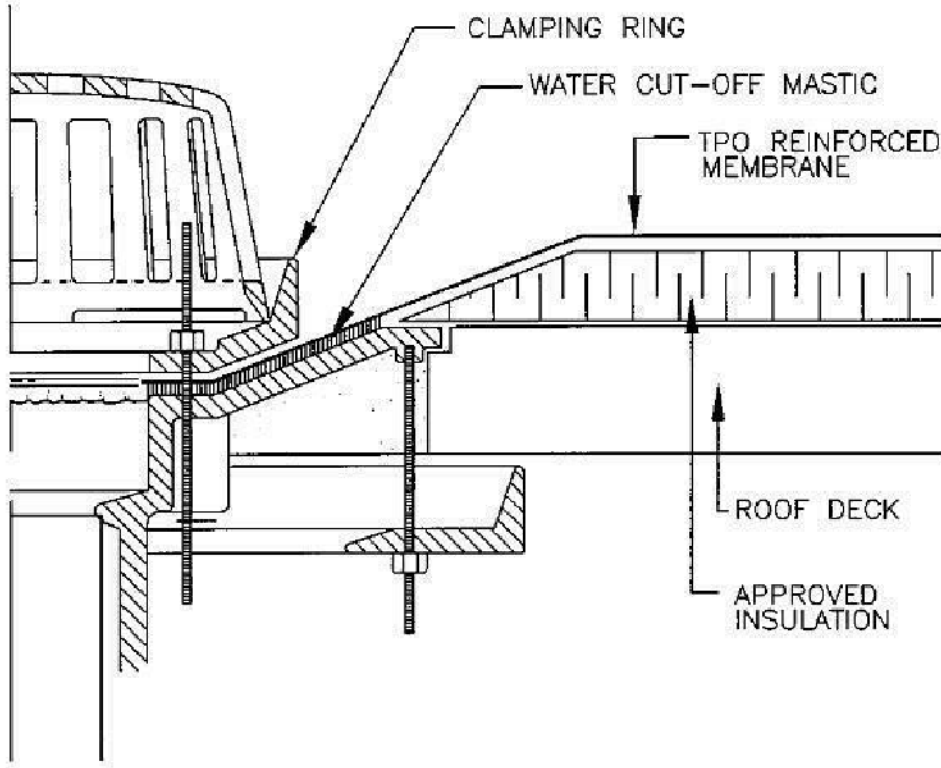
GENERAL NOTE

- ALL DIMENSIONS ARE TO THE FACE OF EXTERIOR STUD UNLESS OTHERWISE NOTED.



1 DIMENSION SHELL PLAN
1/4" = 1'-0"

FOR DRAINS WITH TAPERED INSULATION AT DRAIN SUMP
LESS THAN 3 INCHES TO 12

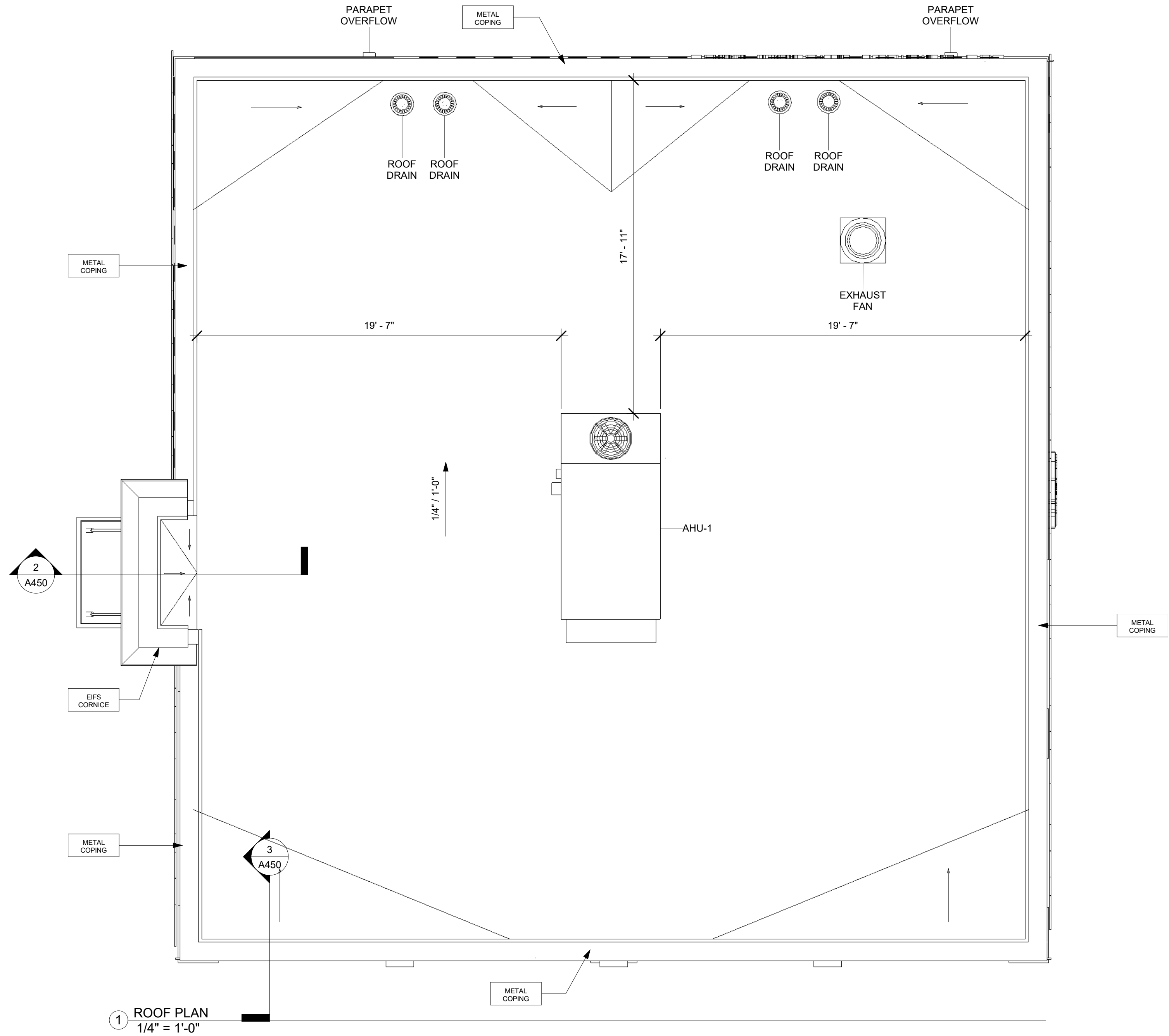


- NOTES:
1. REMOVE ALL LEAD AND OTHER FLASHING.
 2. ALL BOLTS AND CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
 3. CUT THE MEMBRANE SO IT EXTENDS A MINIMUM OF 1/2" FROM THE ATTACHMENT POINTS OF THE DRAIN CLAMPING RING.
 4. FOR DRAIN SUMPS WITH SLOPES GREATER THAN 3" IN 12" REFER TO DETAIL MHT-UN-511A.
 5. IT IS PREFERRED TO LOCATE SEAMS AT LEAST 6" OUTSIDE DRAIN SUMP. IF SEAMS EXTEND UNDER CLAMPING RING, ENTIRE SEAM OVERLAP MUST BE HOT AIR WELDED.

MULE-HIDE
PRODUCTS CO., INC.

DRAIN FLASHING - TAPERED INSULATION
DRAIN SUMP SLOPE LESS THAN 3" TO 1"
SYSTEMS:
ALL TPO SYSTEMS

DETAIL NO.:
MHT-UN-510A
REVISION DATE: 01/2013



1 ROOF PLAN
1/4" = 1'-0"

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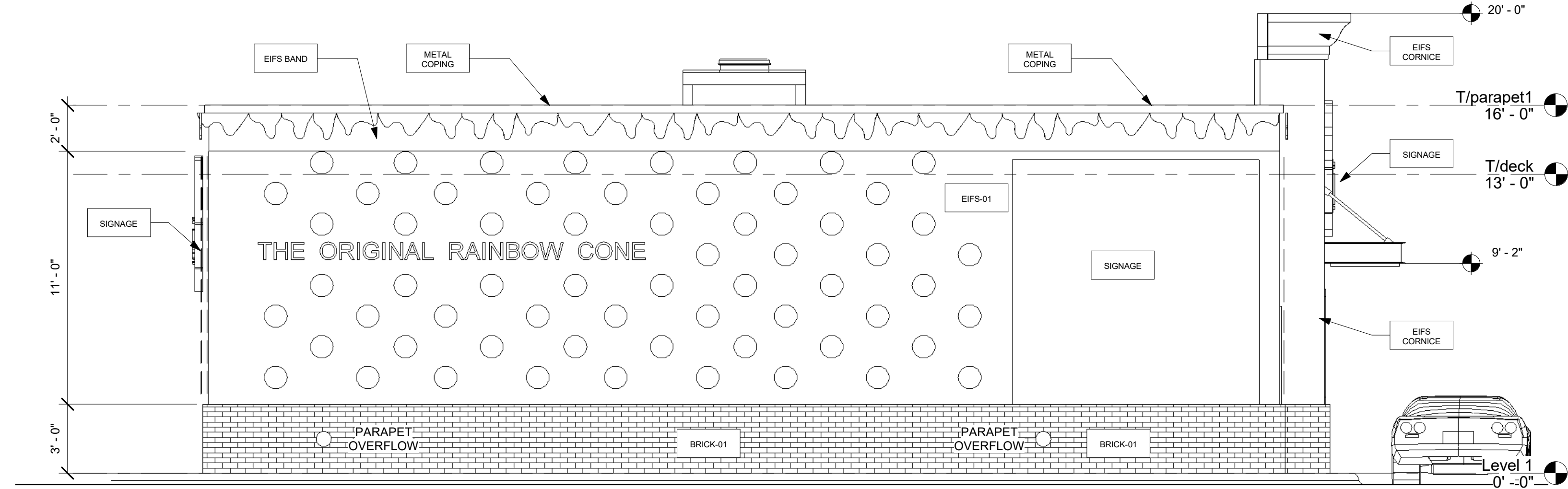
KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT
PRESENTS
19781 Crawford Avenue, Flossmoor, Illinois

No.	Description	Date

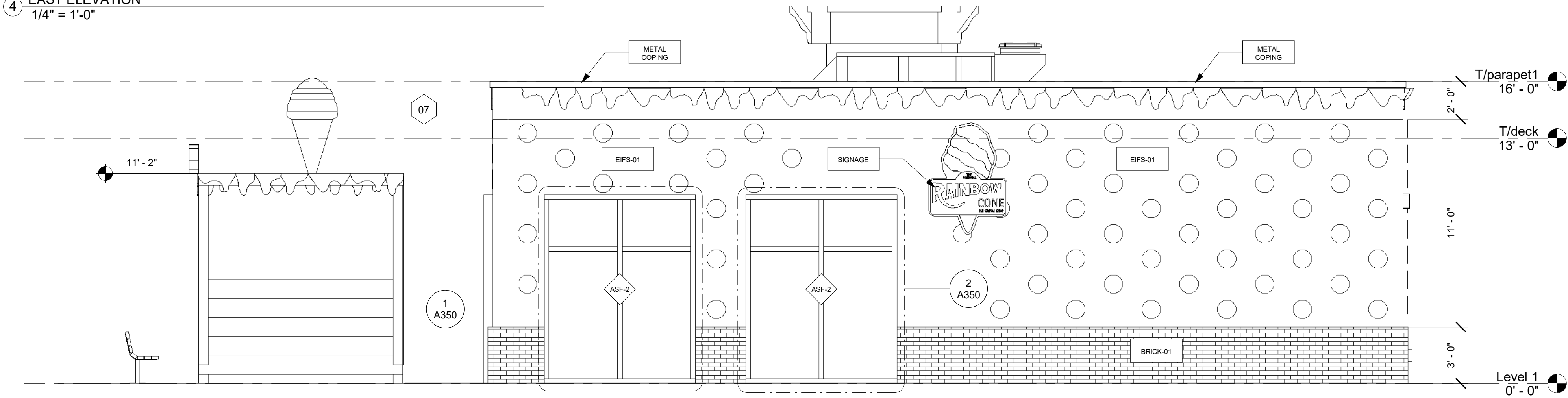
ROOF PLAN

A150

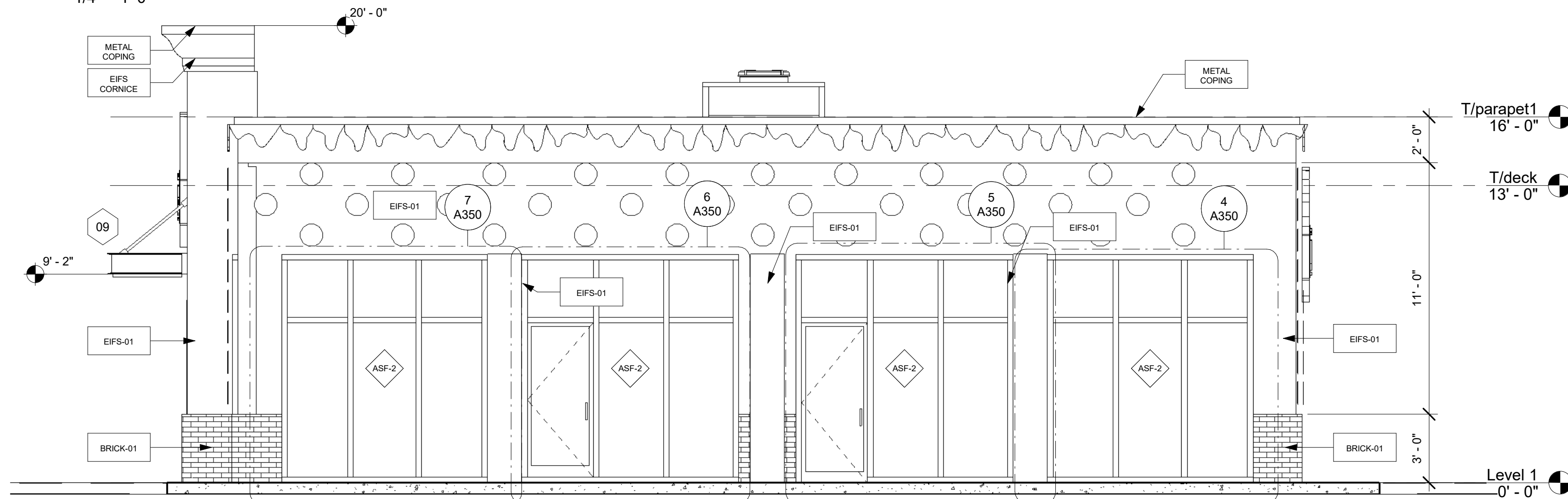
Scale 1/4" = 1'-0"



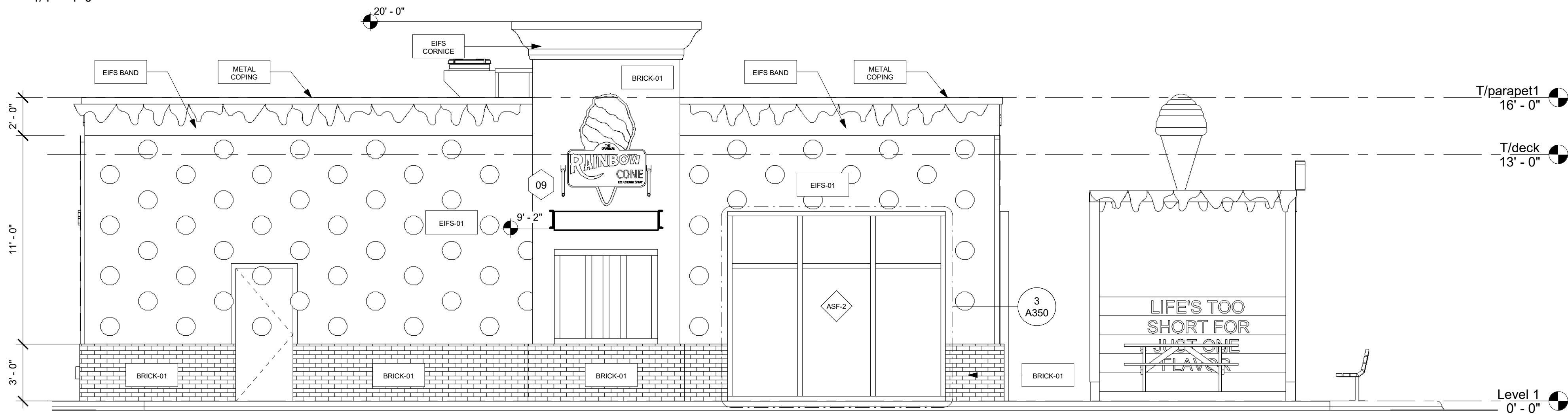
4 EAST ELEVATION
1/4" = 1'-0"



3 SOUTH ELEVATION
1/4" = 1'-0"



2 WEST ELEVATION
1/4" = 1'-0"

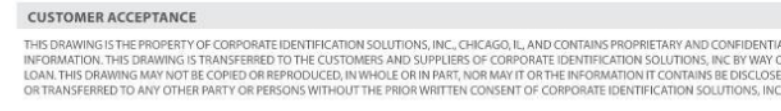


1 NORTH ELEVATION
1/4" = 1'-0"

No.	Description	Date
IFZ PC		8/23/22

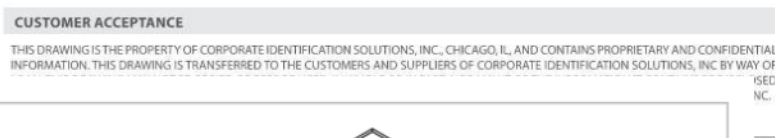
EXTERIOR
ELEVATIONS +
EXTERIOR
MATERIALS

A300



A315

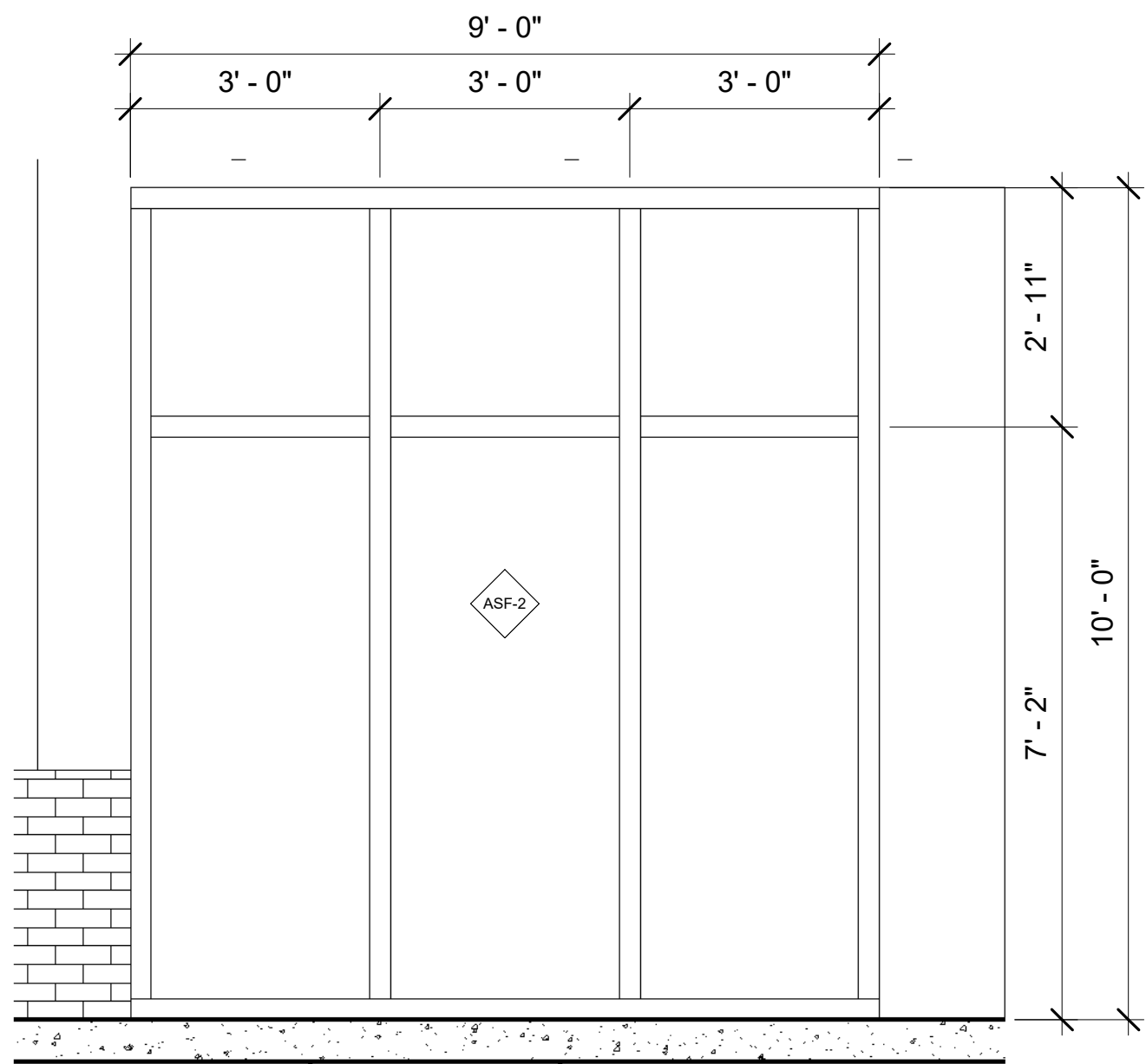
Packet Pg. 92



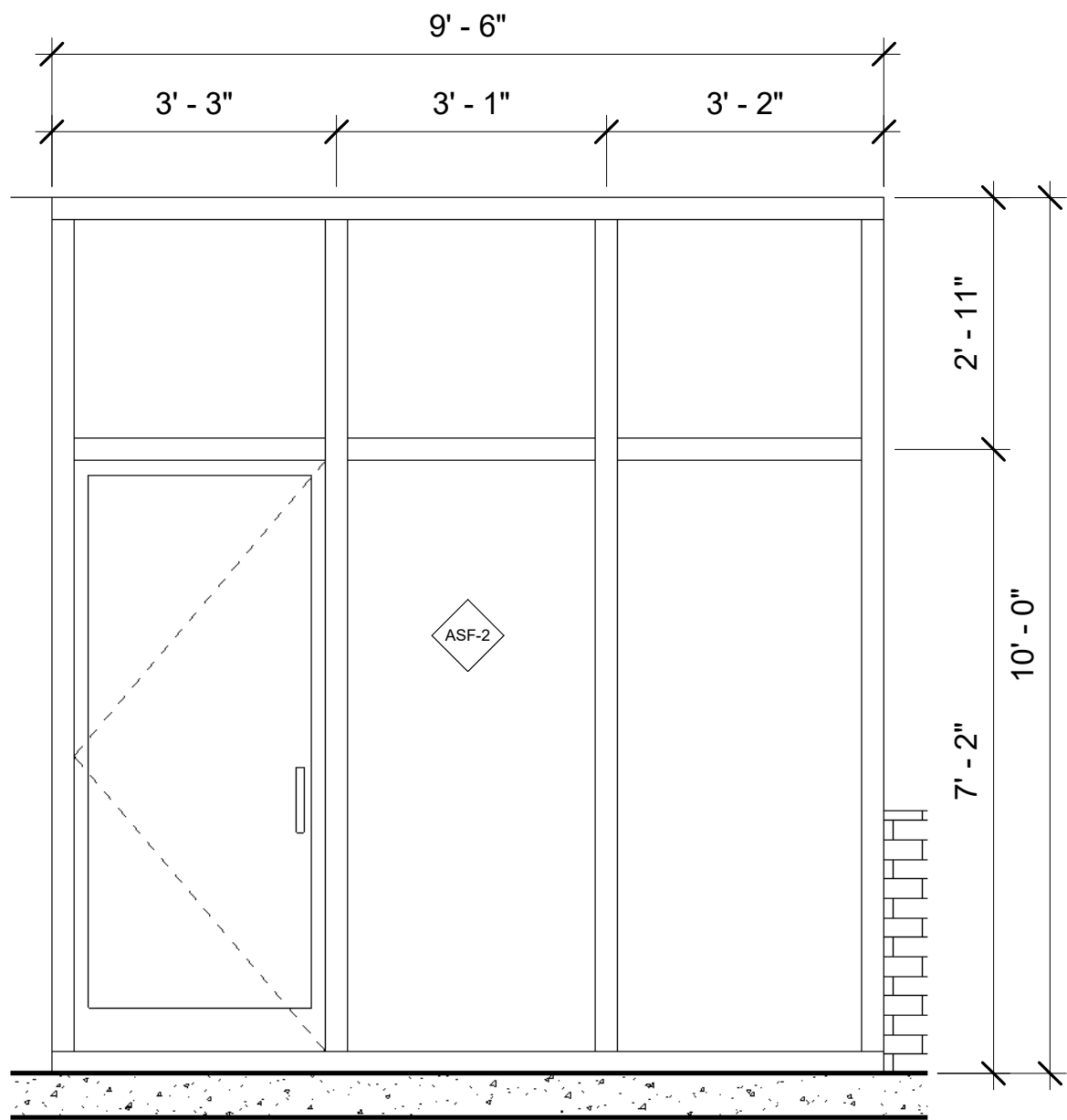
Typical U.L. Single Face Menu Board Sign



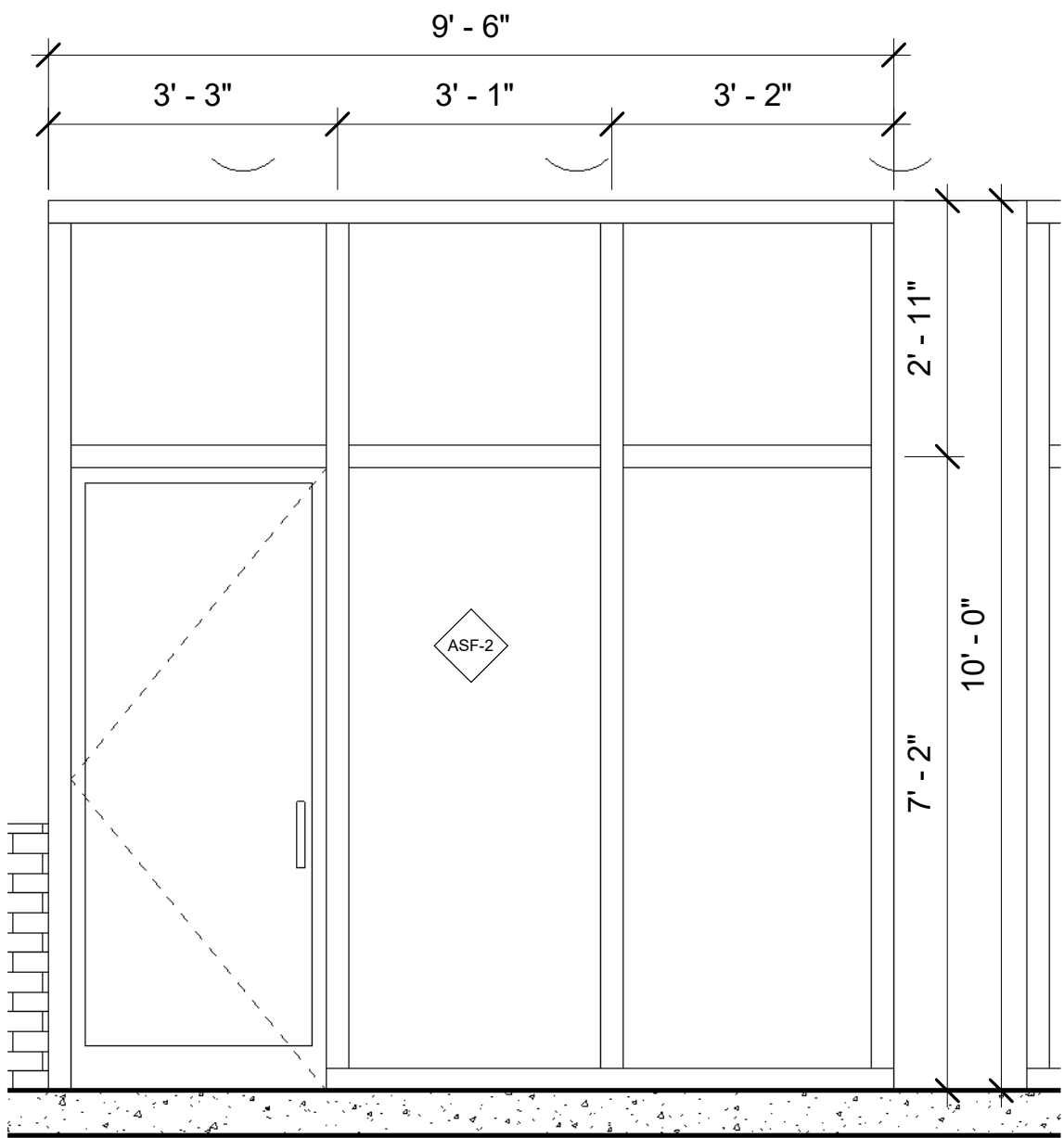
BUONA STOREFRONT					
TAG	KEYNOTE	MANUFACTURER	MODEL	Description	TYPE COMMENTS
ASF-1	BUONA	VISTAWALL	TBD	DARK BRONZE	1" INSULATED GLASS UNIT (ARGON), LOW-E, SOLAR BAN, 0.38 U-VALUE, DOUBLE PANED, 33% SHGC, CHARCOAL OR BLACK SPACERS.
ASF-2	BUONA	VISTAWALL	TBD	CLEAR ALUMINUM	1" INSULATED GLASS UNIT (ARGON), LOW-E, SOLAR BAN, 0.38 U-VALUE, DOUBLE PANED, 33% SHGC, CHARCOAL OR BLACK SPACERS.



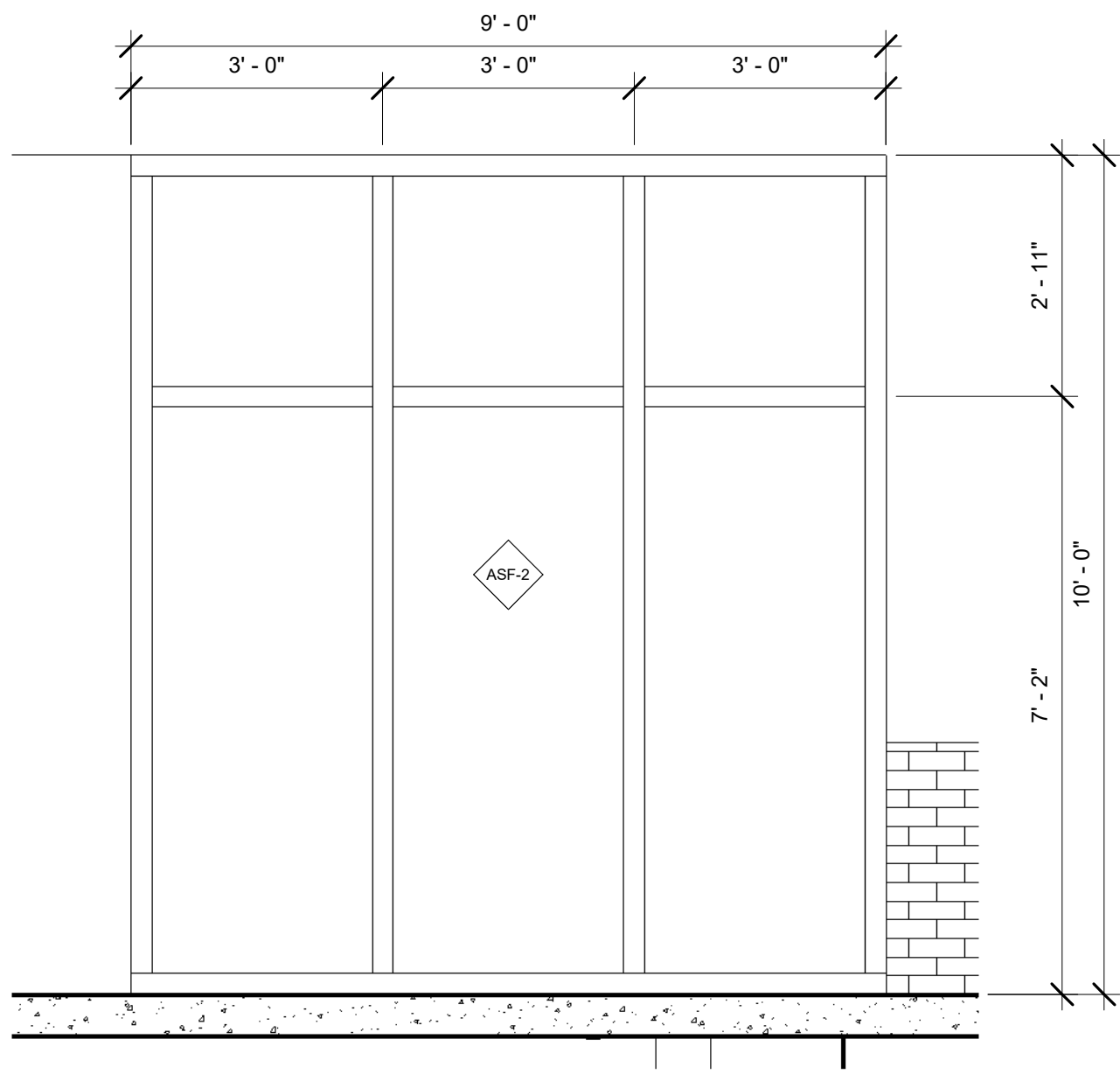
⑦ STOREFRONT 07
1/2" = 1'-0"



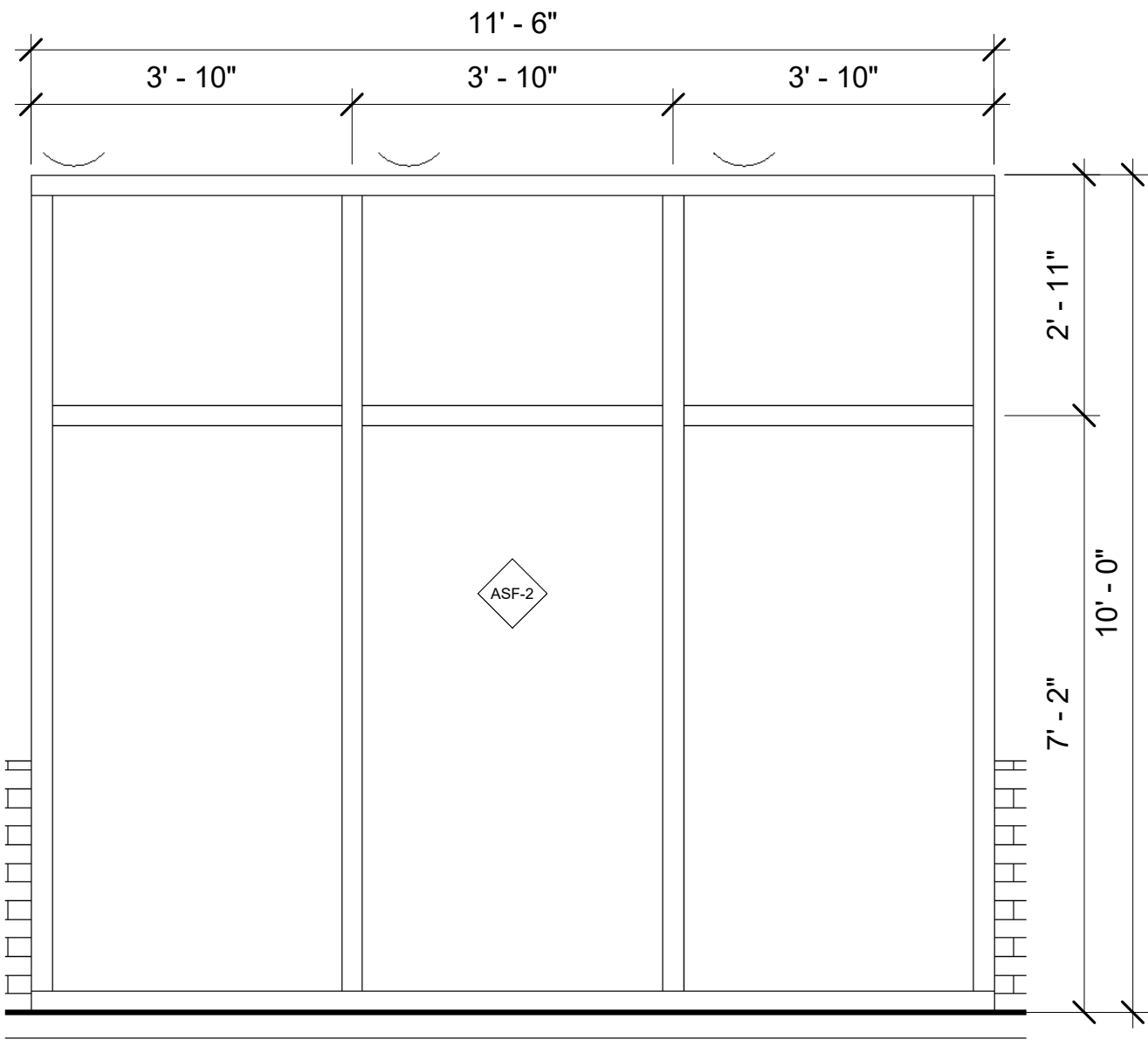
⑥ STOREFRONT 06
1/2" = 1'-0"



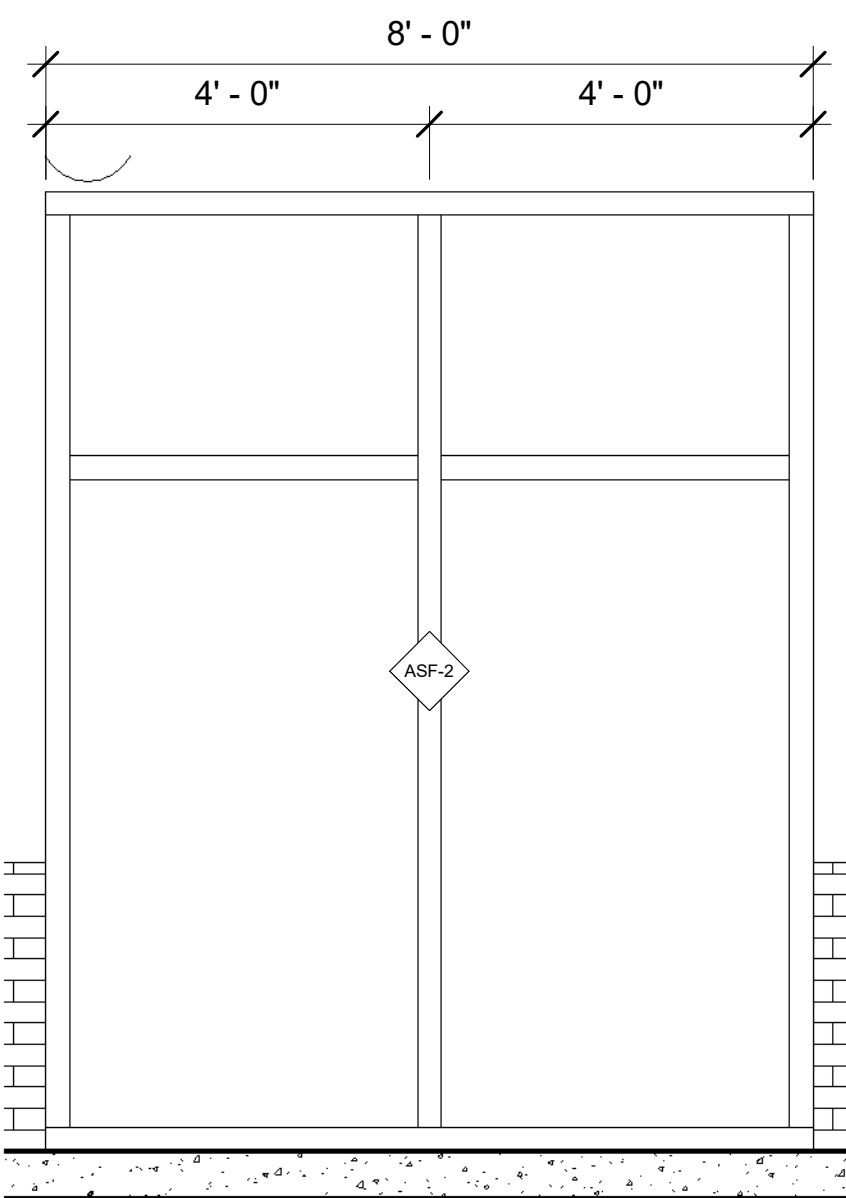
⑤ STOREFRONT 05
1/2" = 1'-0"



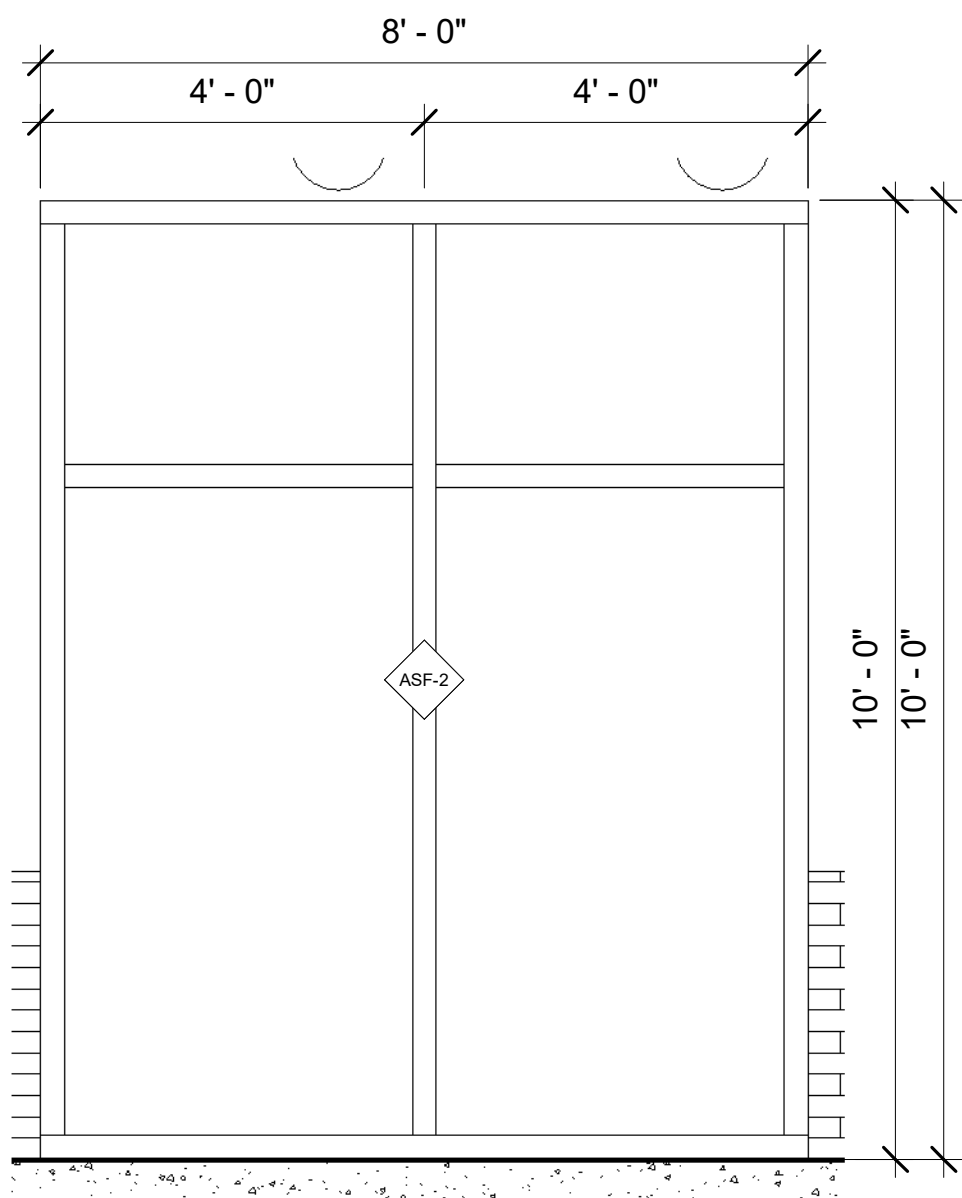
④ STOREFRONT 04
1/2" = 1'-0"



③ STOREFRONT 03
1/2" = 1'-0"



② STOREFRONT 02
1/2" = 1'-0"



① STOREFRONT 01
1/2" = 1'-0"

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PLANNING+DESIGN

KEYSTONE
CONSTRUCT, LLC



KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT

PRESENTS

19781 Crawford Avenue, Flossmoor, Illinois

No.	Description	Date

STOREFRONT
ELEVATIONS

A350

Scale 1/2" = 1'-0"



KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT
PRESENTS

19781 Crawford Avenue, Flossmoor, Illinois

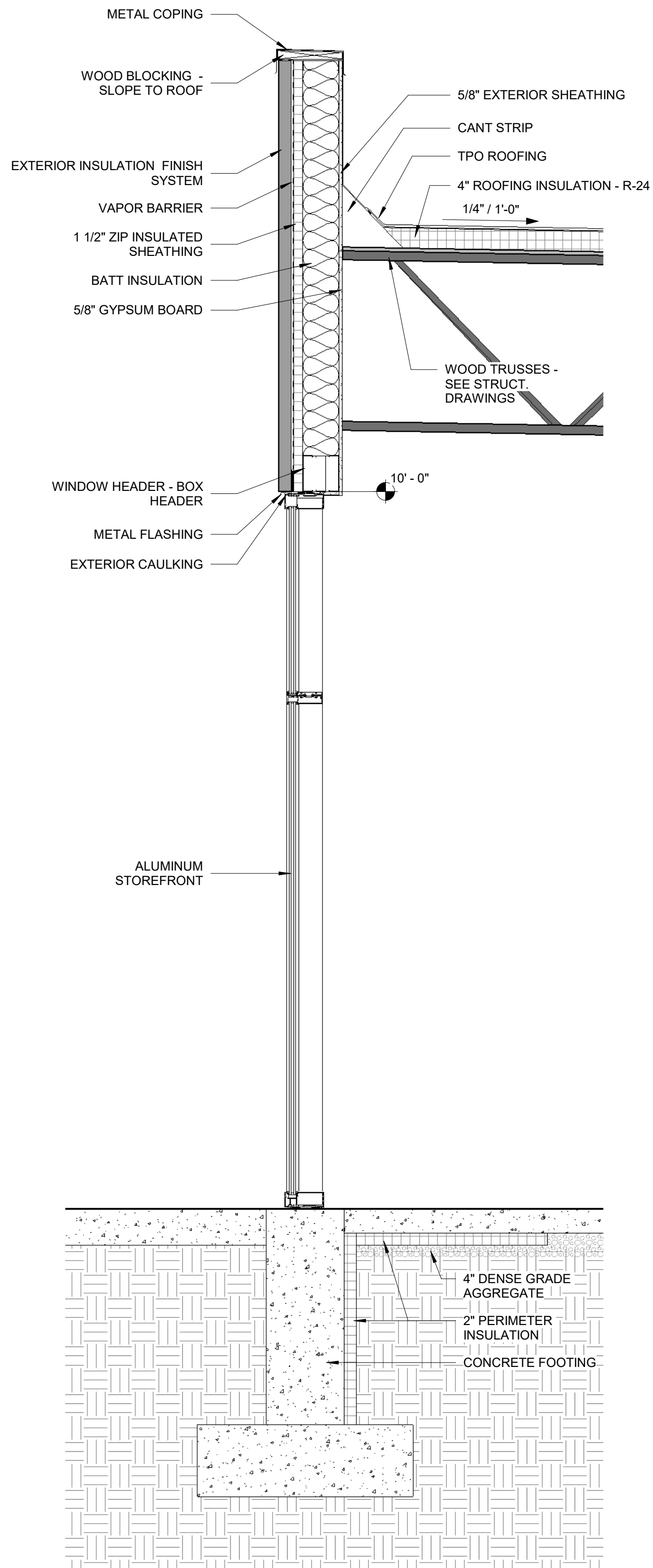
No.	Description	Date

WALL SECTIONS

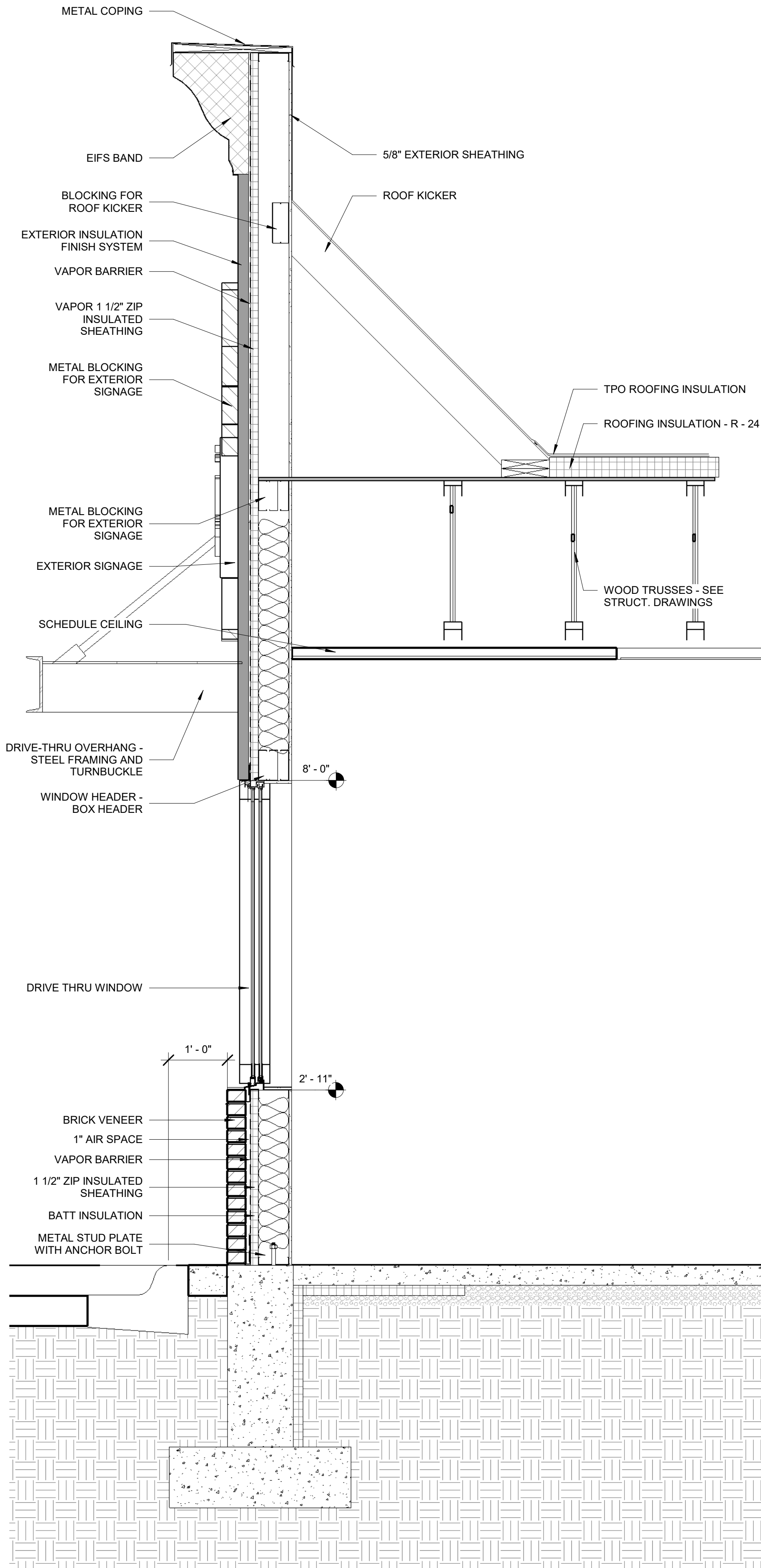
A450

Scale 3/4" = 1'-0"

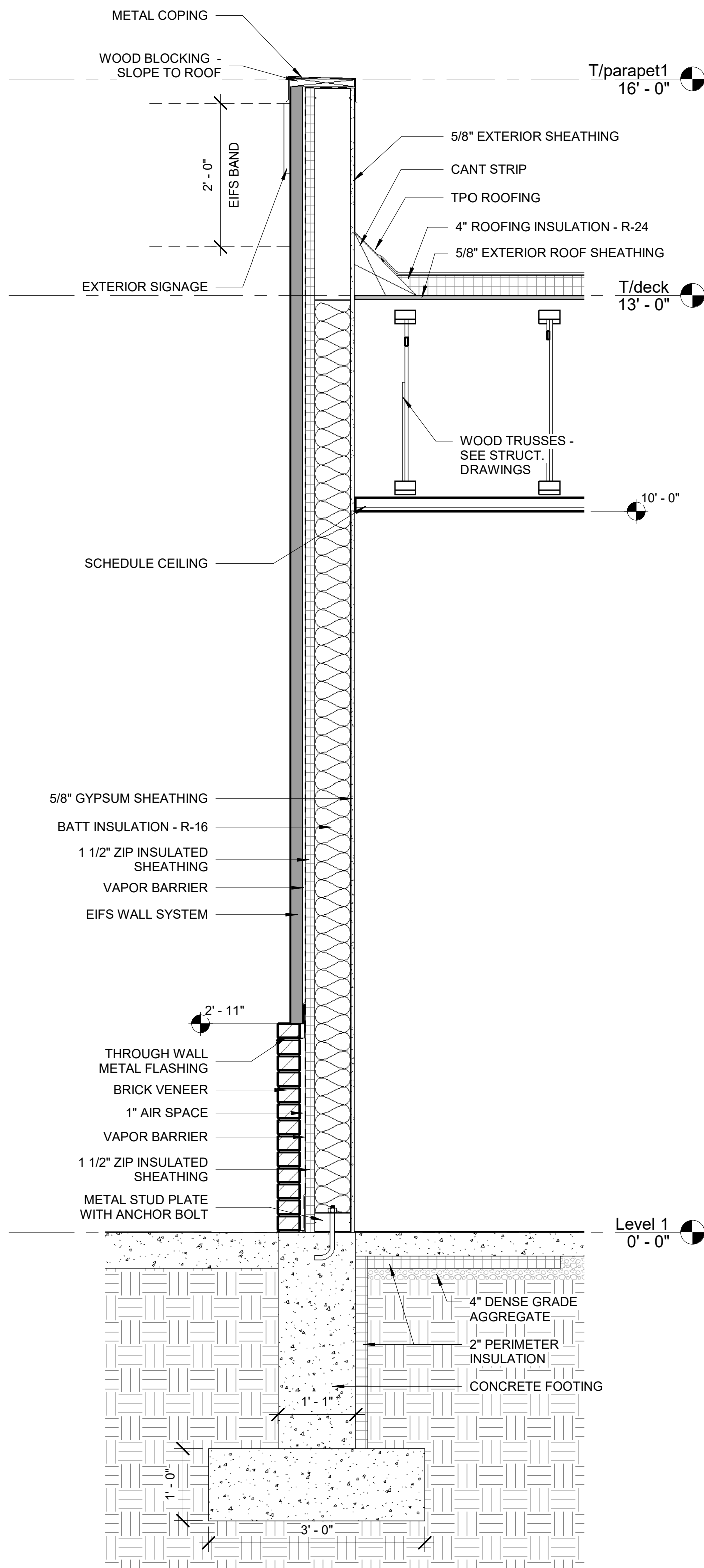
3 WALL SECTION 03
3/4" = 1'-0"



2 WALL SECTION 02
3/4" = 1'-0"



1 WALL SECTION 01
3/4" = 1'-0"



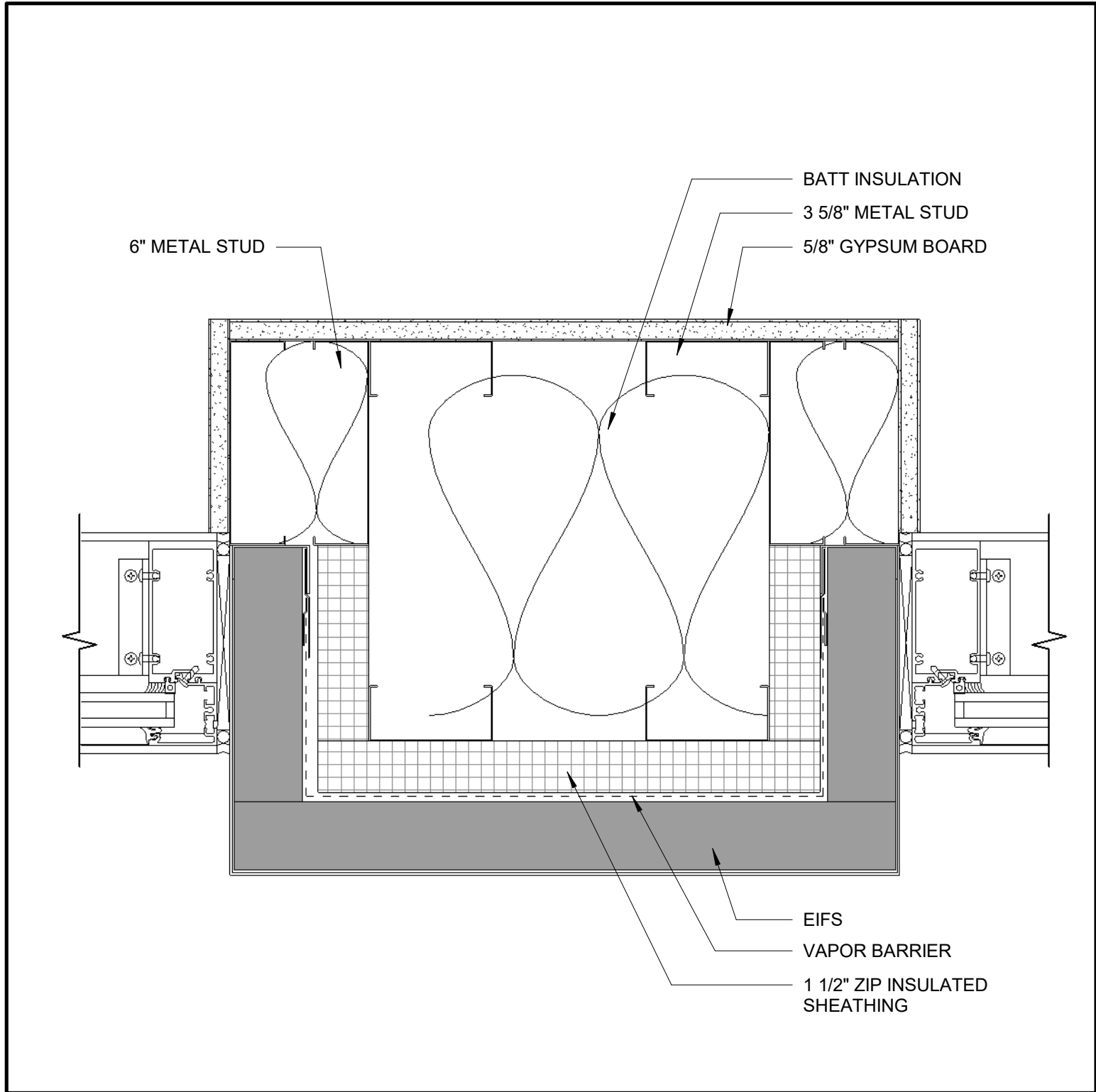


No.	Description	Date

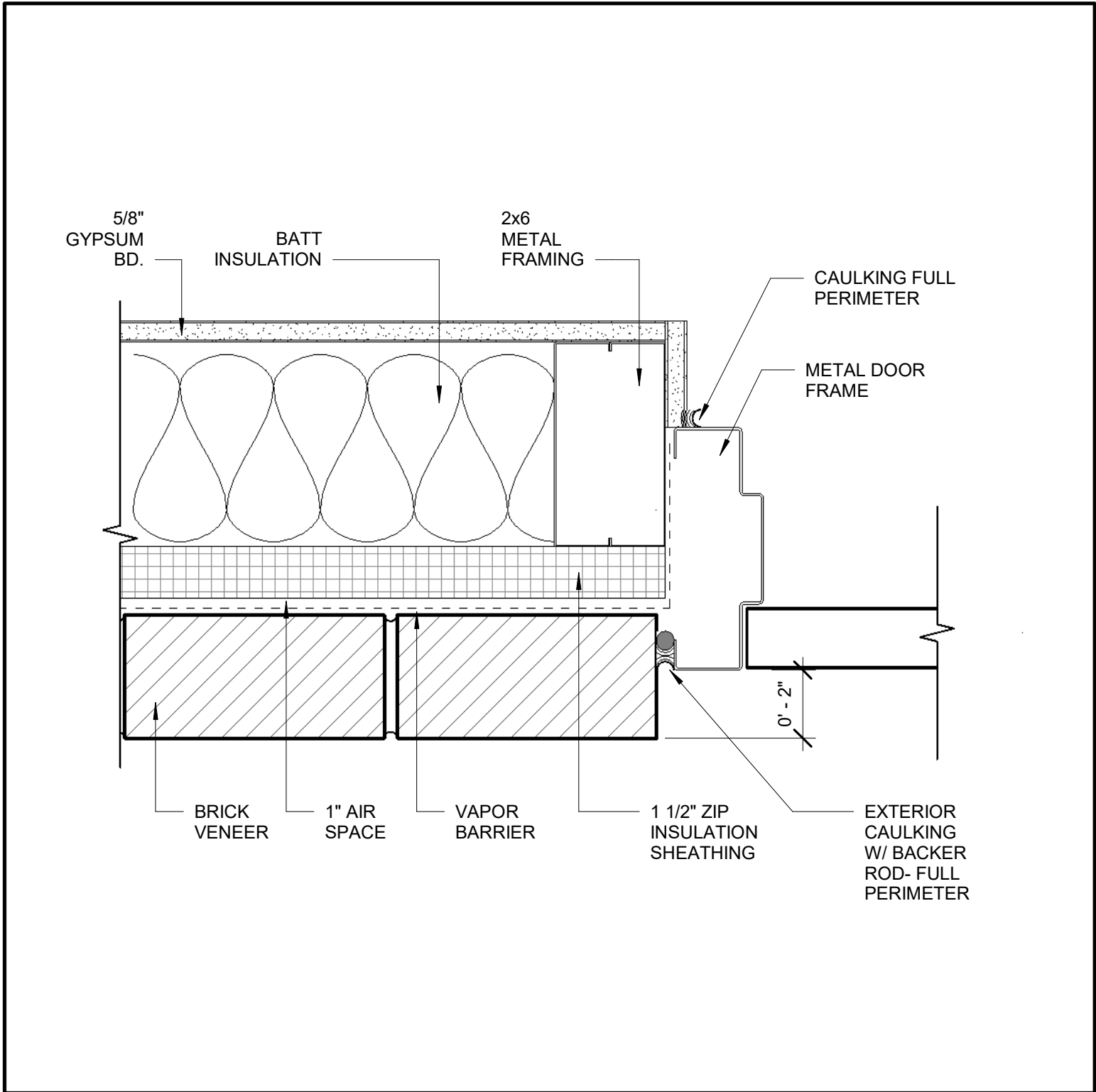
EXTERIOR
DETAILS

A500

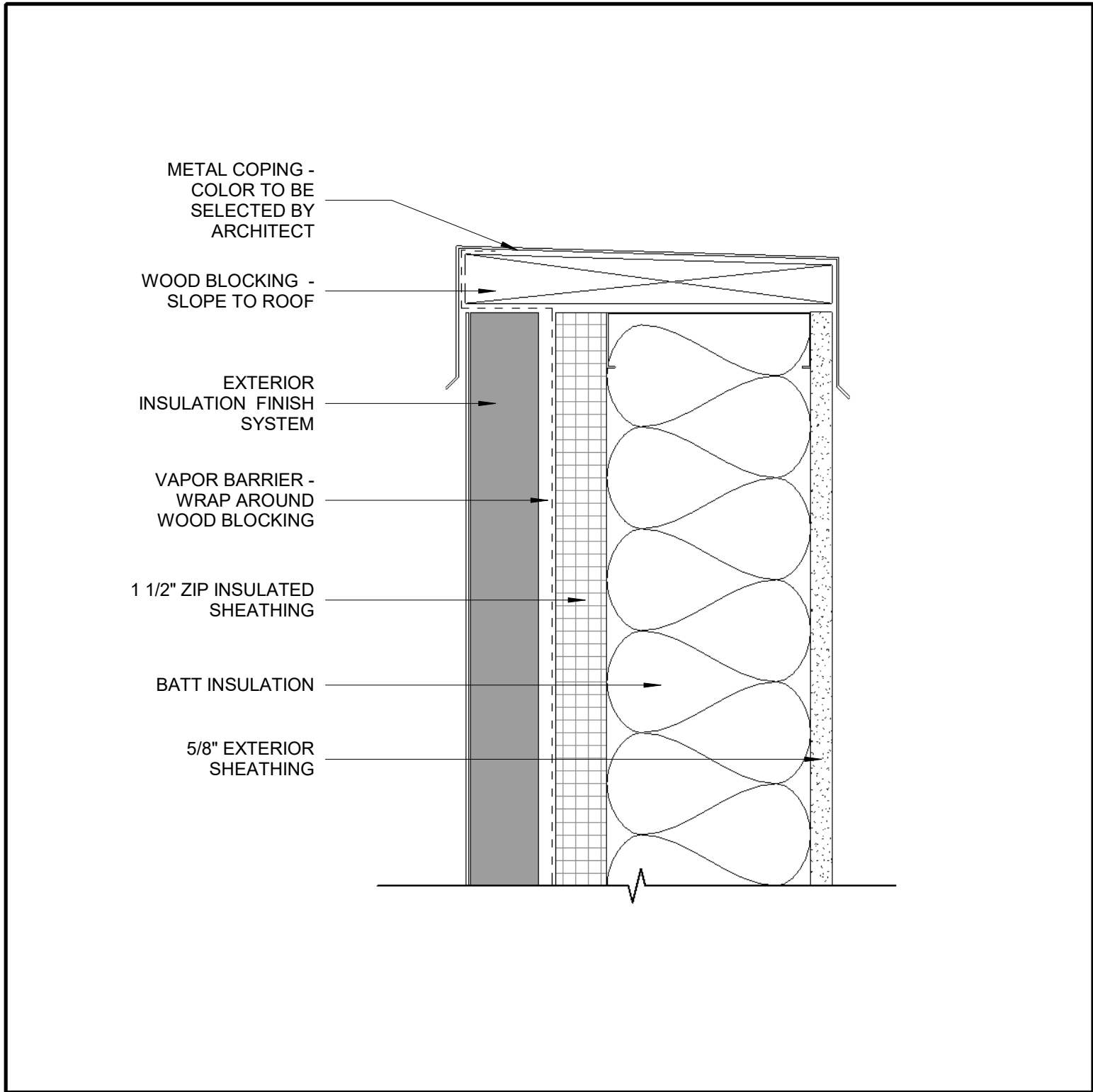
Scale 3" = 1'-0"



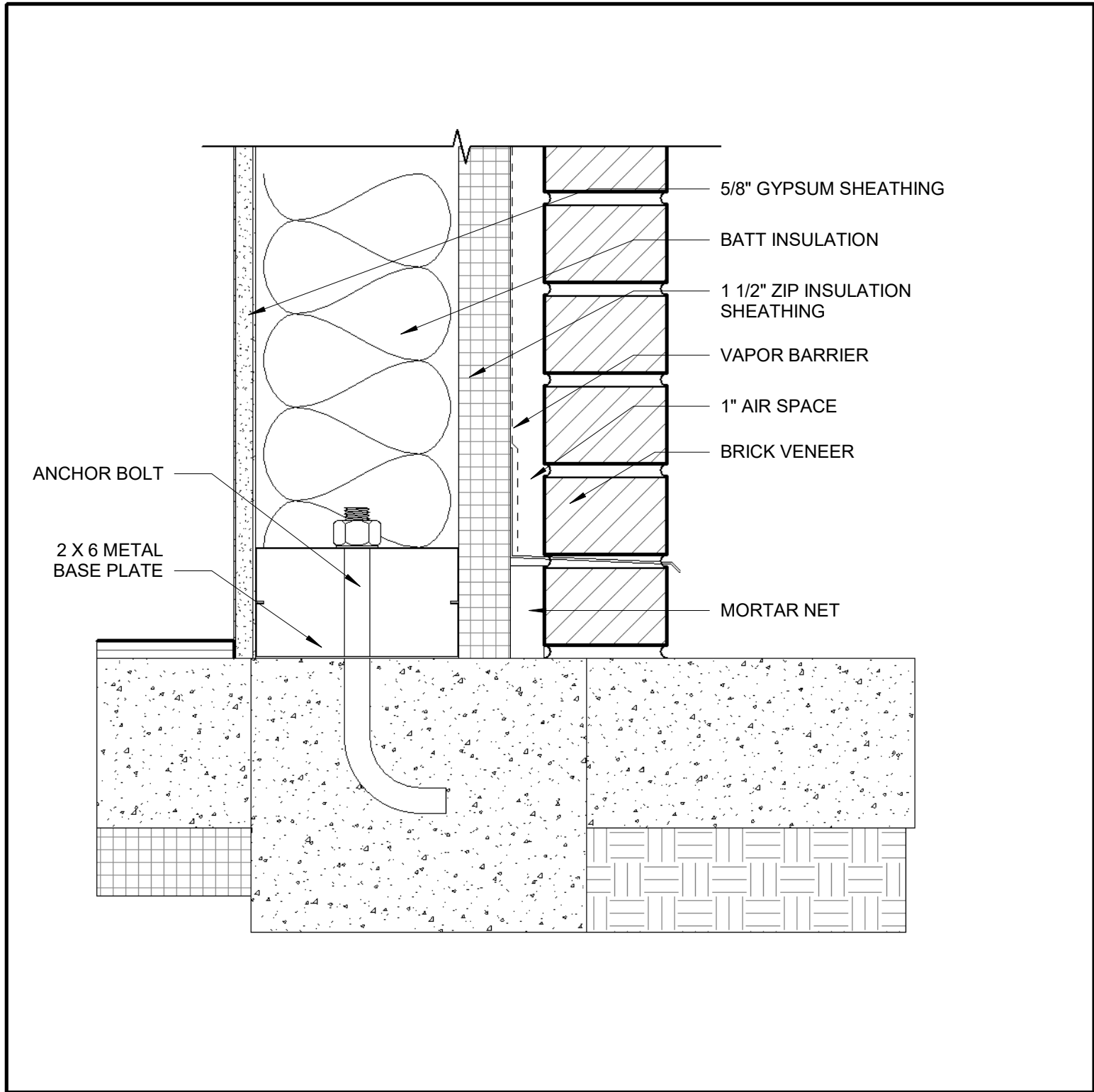
5 COLUMN DETAIL
3" = 1'-0"



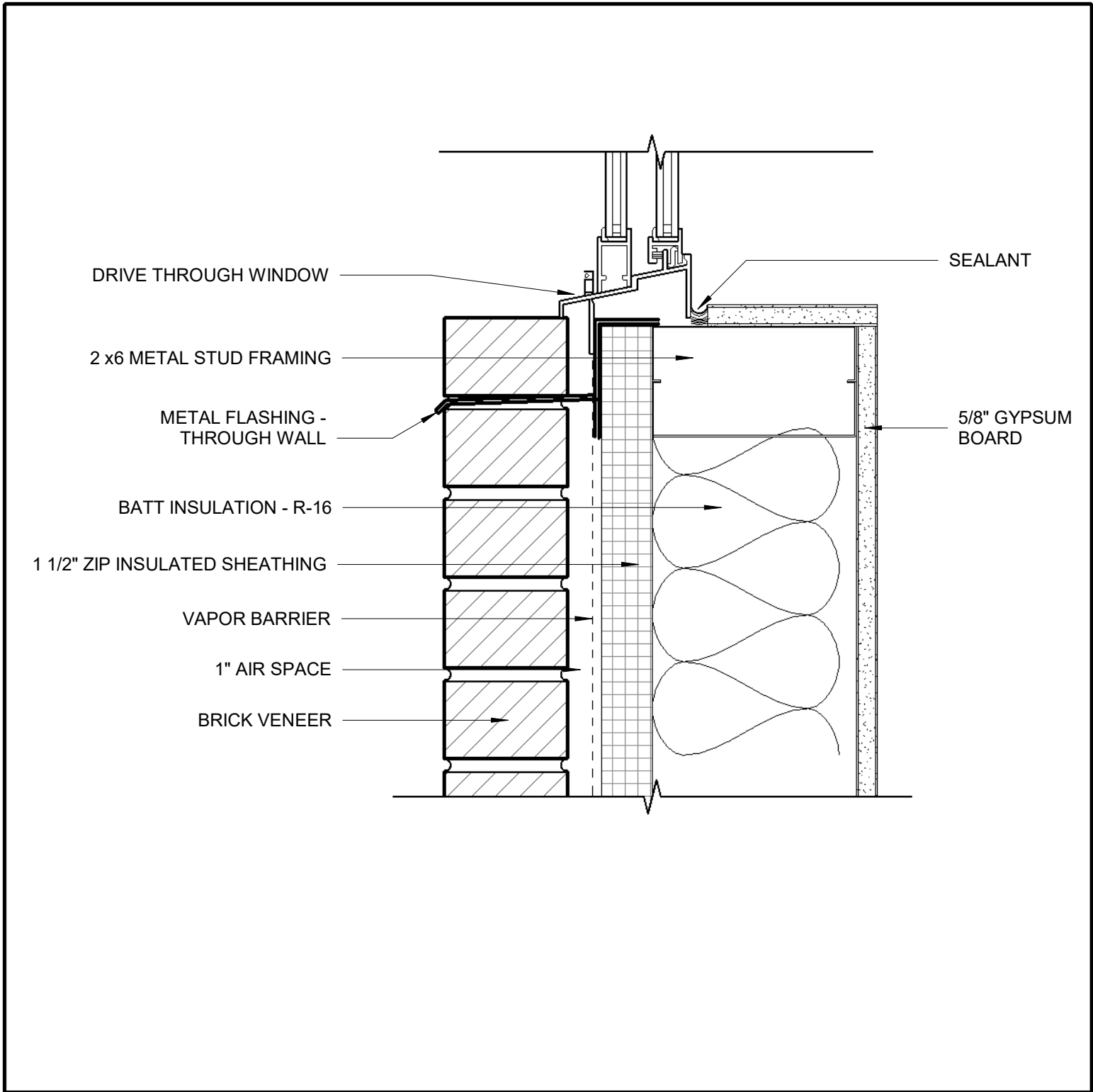
4 DOOR JAMB AT STONE
3" = 1'-0"



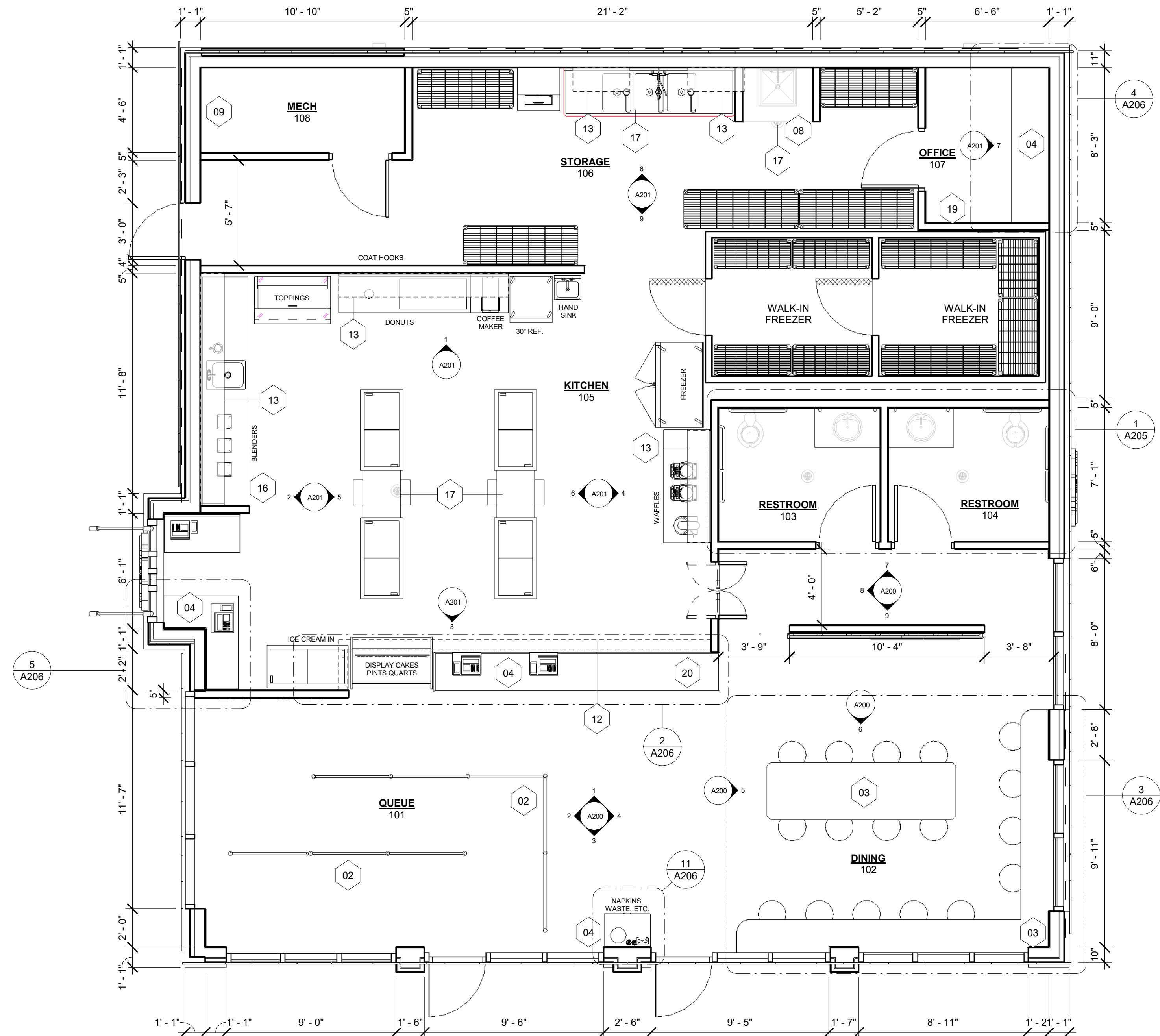
3 COPING DETAIL
3" = 1'-0"



2 BRICK VENEER BASE DETAIL
3" = 1'-0"

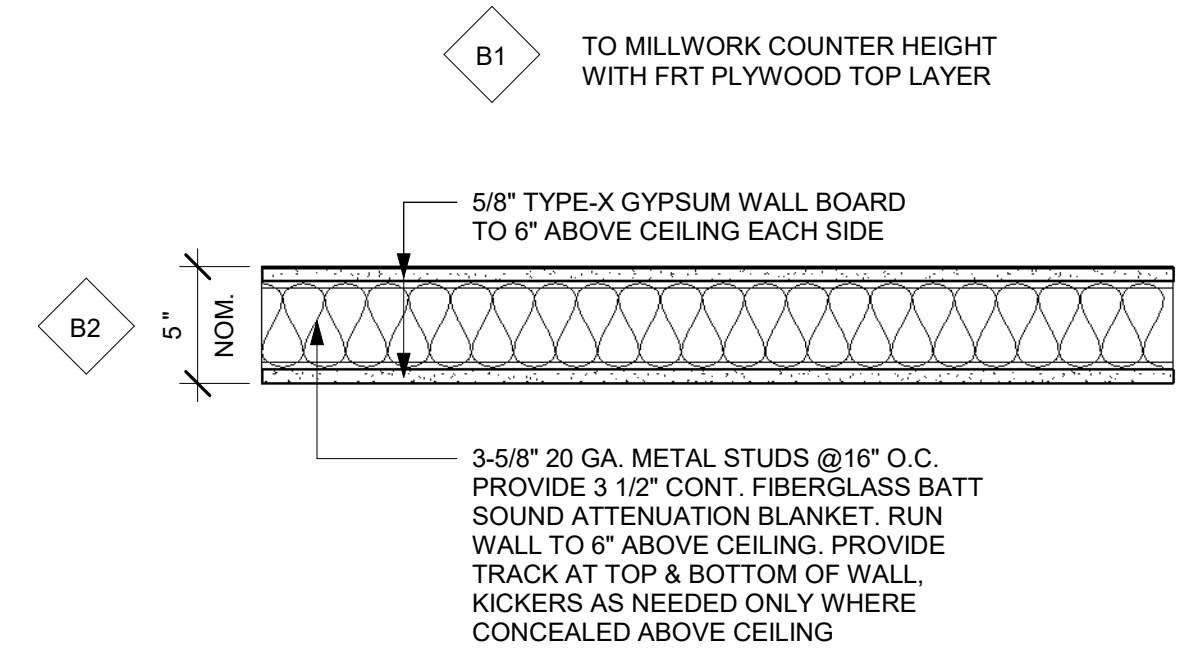


1 WINDOW SILL @ DRIVE THROUGH WINDOW
3" = 1'-0"

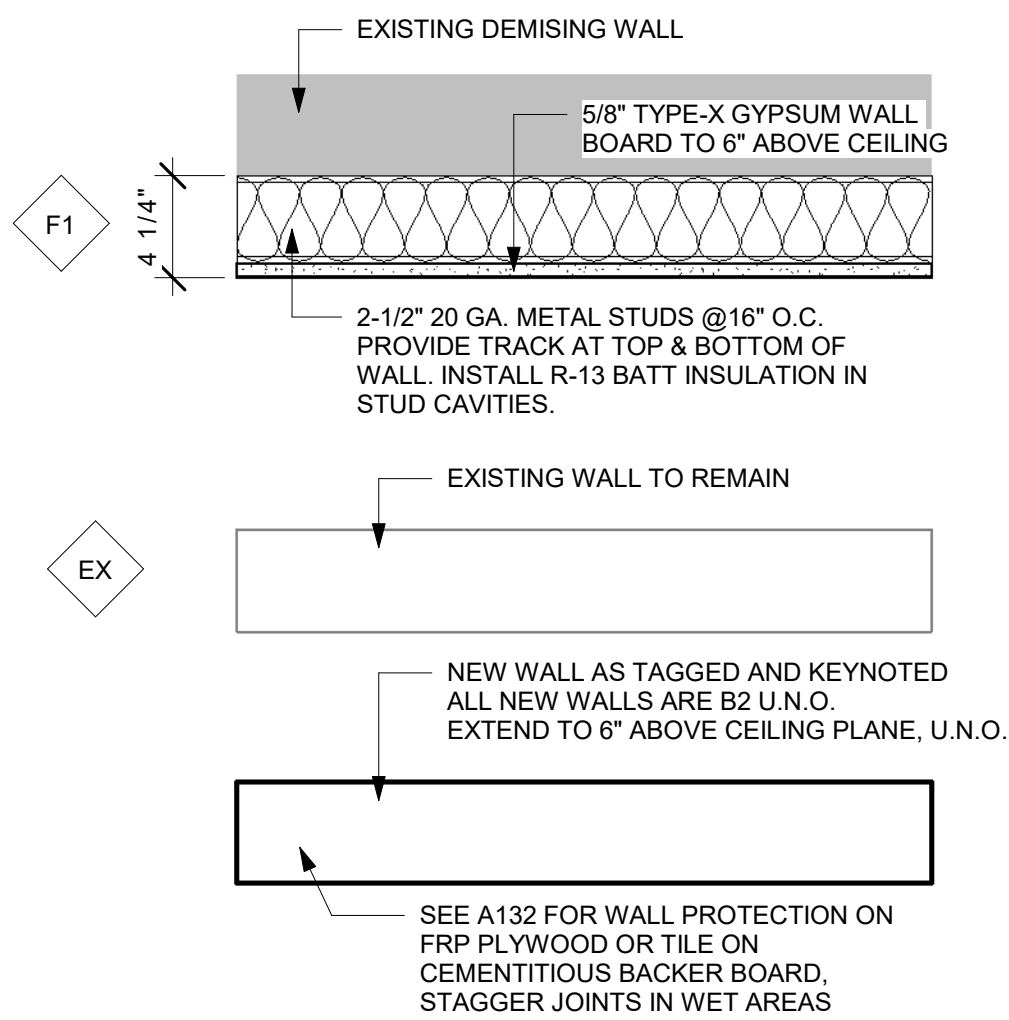


1 FLOOR PLAN
1/4" = 1'-0"

- KEYNOTES - FLOOR PLAN
- 02 NEW QUEUE STANCHEONS (MOVEABLE) BY OWNER. SEE CORPORATE CONTACT TO ORDER PINK BRANDED VERSION
 - 03 NEW COUNTERTOPS WITH TABLE LEGS BOLTED TO FLOOR. STOOLS BOLTED TO FLOOR. SEE 3/A100.
 - 04 MILLWORK LOCATION, REFER TO MILLWORKER SHOP DRAWINGS, NOTES & DETAILS ON A102
 - 05 PROVIDE FLY CONTROL UNIT, AND 1 JUNCTION BOX LOCATION TO BE APPROVED BY OWNER
 - 08 FRAME AND FINISH WATER HEATER SHELF ABOVE MOP SINK
 - 09 ELECTRICAL PANEL LOCATION. SEE ELECTRICAL SHEETS.
 - 12 (5) WALL MOUNTED ORDER SCREEN ABOVE - PROVIDE POWER/DATA UP AT MONITOR HEIGHT + 60" AFF, IN-WALL FRT BLOCKING, PREP FOR MONITOR BRACKET MOUNT
 - 13 WALL MOUNTED STAINLESS STEEL UPPER SHELF OVER STATION, PROVIDE IN-WALL BLOCKING TO MOUNT AT 5'-6" AFF
 - 16 MICROWAVE BY OWNER BELOW COUNTER / ON SHELF
 - 17 FLOOR SINK BELOW
 - 19 INSERT BACKING IN DRYWALL. REQUIRED FOR 24" IT RACK
 - 20 LOCATION FOR FREESTANDING POS SCREEN (TABLET)



A. DEMISING WALLS : COMPLIANT WITH LOCAL FIRE CODE AND INSPECTION, INSULATED (R19) FLOOR TO ROOF DECK AND COVERED ON TENANT'S SIDE WITH 5/8" DRYWALL, LEVEL 4 FINISH READY FOR PAINT WITH ALL PENETRATIONS FIRE-SEALED.



2 WALL TYPES
1 1/2" = 1'-0"



KEYSTONE VENTURES

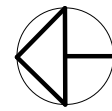
REAL ESTATE DEVELOPMENT
PRESENTS

19781 CRAWFORD AVE
FLOSSMOOR, IL 60422

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ARCHITECTURAL
FLOOR PLAN

A100



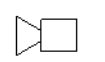
Scale

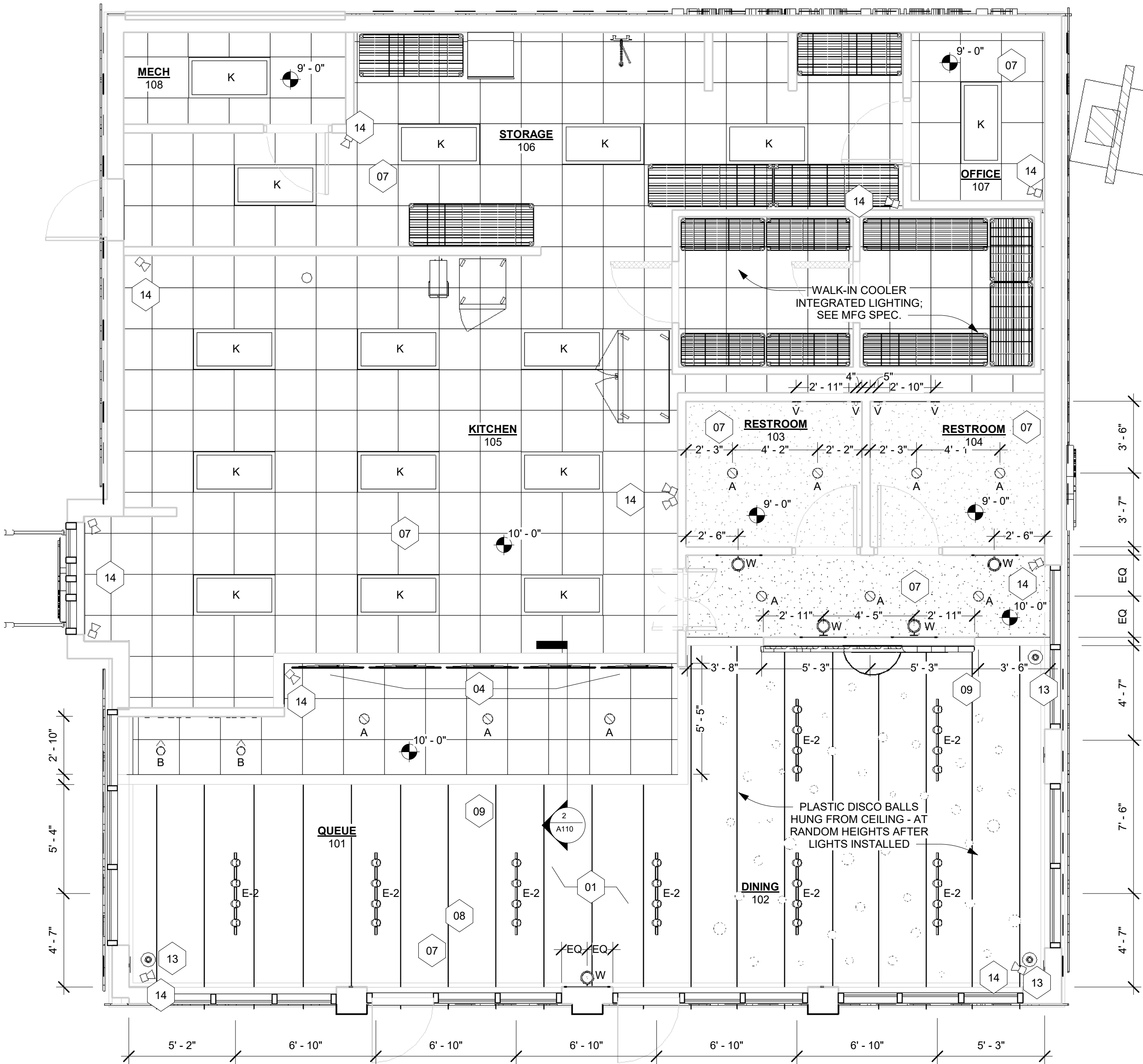
As indicated

LIGHT FIXTURE SCHEDULE						
TAG	DESCRIPTION	QTY.	MFG.	MODEL	WATTS	COMMENTS
		3			<varies >	
A	4" ROUND RECESSED LED DOWNLIGHT	10	RP LIGHTING	8775-WH-90-3K	49 W	SUITABLE FOR WET LOCATIONS
B	5" RECESSED DIRECTIONAL CAN FIXTURE	2	SATCO	S29473	13 W	3000K
E-2	WIDE FLOOD LED TRACK LUMINAIRE, WITH SINGLE CICUIT TRACK SYSTEM; WHITE	8	CONTECH LIGHTING	CTL9051WF3CD-W	12 W	SPOT LIGHTS ON 4" TRACK. VERIFY QTY. AND PROVIDE CONNECTOR ACCESSORIES AS REQUIRED.
K	2X4 BACK-LIT RECESSED LED FLAT PANEL FOR GRID CEILINGS	15	ILP	PAN24-36WLED-U-40	12 W	LENSED, SWITCHABLE LUMENS, SWITCHABLE CCT
V	SCEPTOR SCONCE; 10": BRASS	4	DUTTON BROWN	60220-1	12 W	G25 LED GLOBE OPAQUE BULBS TO BE USED; CENTER OF FIXTURE INSTALLED AT 5'-0" AFF.
W	ARMED SCONCE; MOLLY 9" TALL; MATTE PINK	5	GLOBE ELECTRIC	91001749	12 W	E26 LED BULB TO BE USED; BOTTOM OF FIXTURE INSTALLED AT 7'-6" AFF
X	EXIT SIGNAGE	8	ISOLITE	ELT-EM-R-2W-BK-RC-UC-SD	60 W	IF NO CEILING, PROVIDE PENDANT CONDUIT RUN TO MIN. 8' ABOVE FLOOR

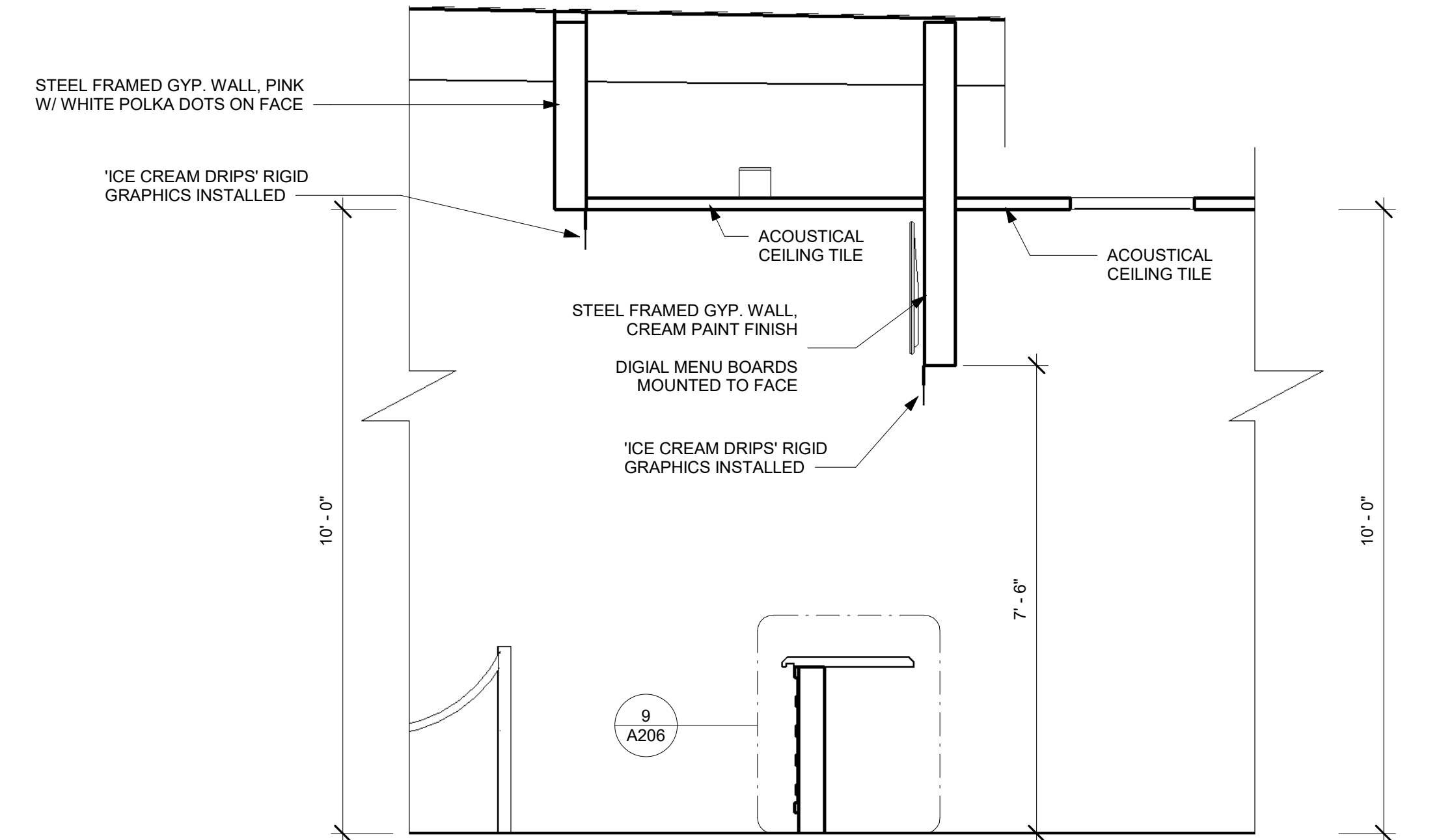
KEYNOTES - RCP	
TAG	COMMENTS
01	OPEN DECK, EXPOSED DUCTS, TRUSSES, PAINTED BRAND SOLID PINK
04	MENUBOARD TV'S MOUNTED TO BULKHEAD
07	EXIT SIGN PER E-SHEETS. IF IN EXPOSED AREAS WITHOUT CEILING, CONDUIT PENDANT MOUNT, AND PAINT CONDUIT SAME COLOR AS FINISH PLANS
08	SEE M-SHEET FOR EXPOSED DUCTWORK AND DIFFUSERS
09	FINISH SOFFITS AND BULKHEADS PER FINISH PLANS
13	AUDIO SPEAKER IN CEILING OR PENDANT MOUNTED - AUDIO CONTROLS IN BACK OF HOUSE NEAR OFFICE COUNTER
14	CEILING OR WALL MOUNTED SECURITY CAMERAS. INSTALL ETHERNET CABLE AFTER CEILING GRID AND TILES ARE INSTALLED

CEILING TYPES	
 ACT	 GYP
	OPEN TO DECK

SYMBOL LIST	
SYMBOL	DESCRIPTION
	SECURITY CAMERA
	CEILING HEIGHT



1 REFLECTED CEILING PLAN
1/4" = 1'-0"



2 FRONT COUNTER CEILING
1/2" = 1'-0"

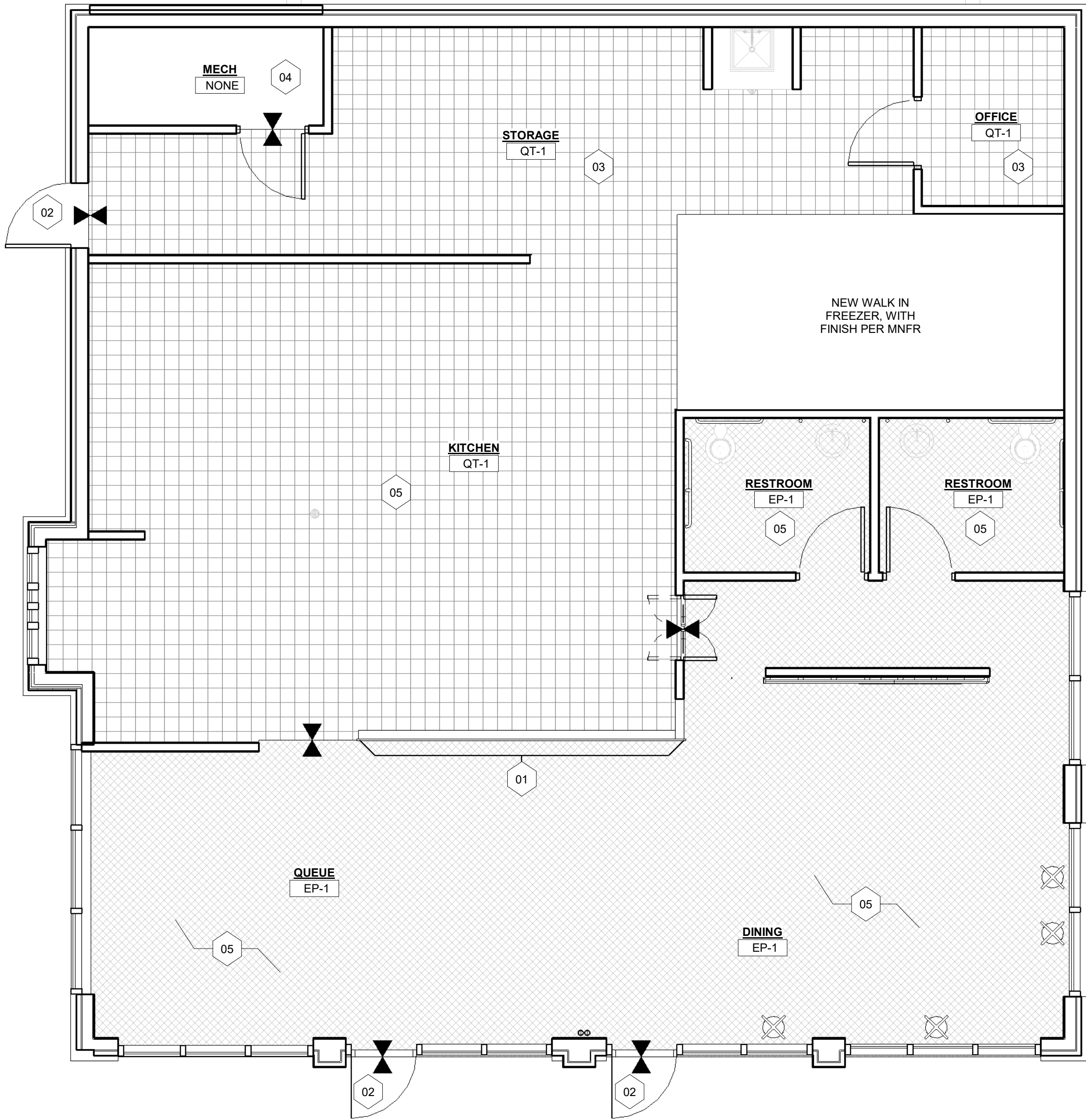


KEYSTONE VENTURES
REAL ESTATE DEVELOPMENT
PRESENTS
19781 CRAWFORD AVE
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RCP & FIXTURE SCHEDULE

A110



1 FINISH PLAN - FLOORS
1/4" = 1'-0"

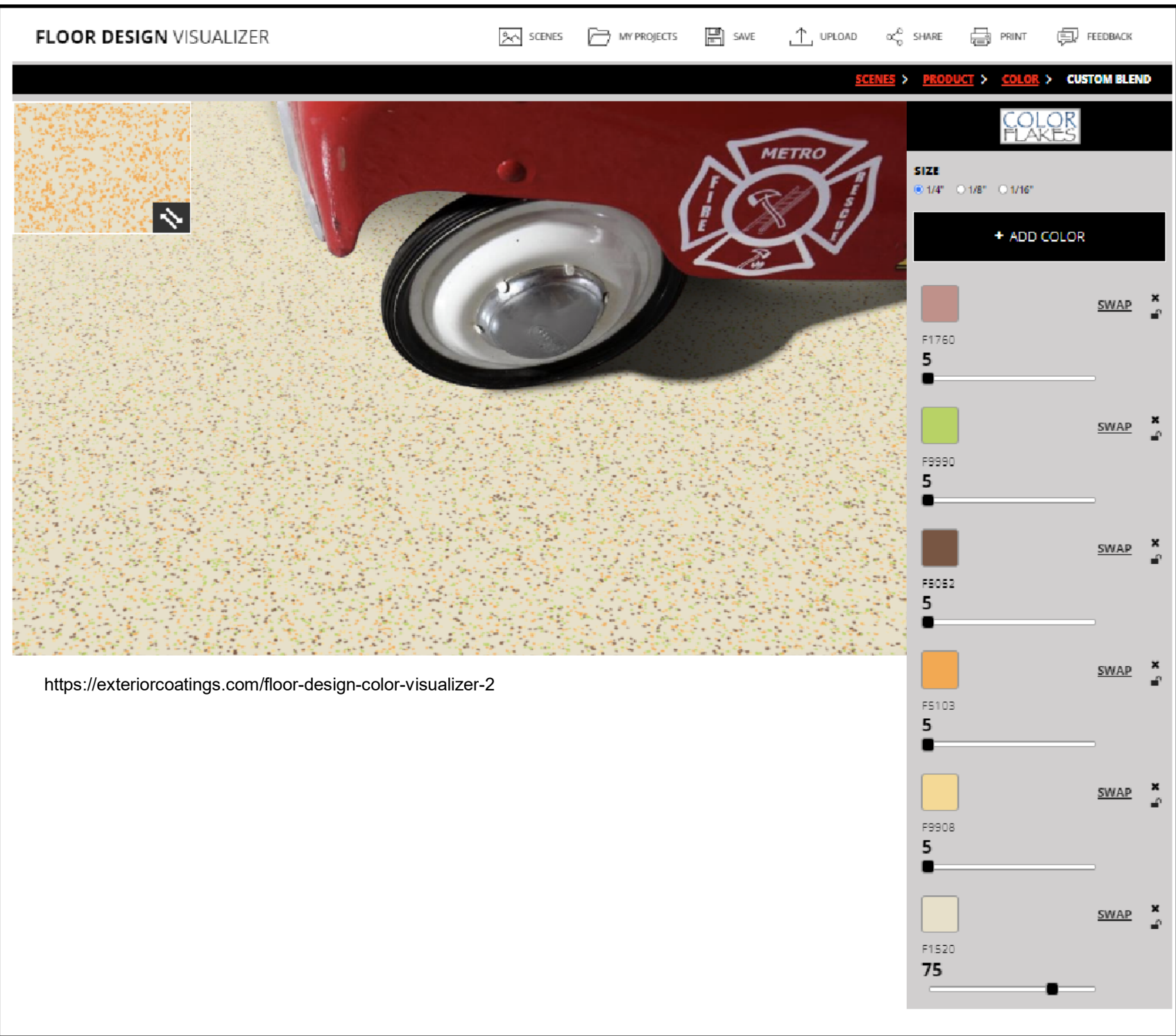
FLOOR FINISH PLAN LEGEND	
ROOM TAG	SYMBOLS
ROOM NAME → RESTROOM	↔ FLOOR TYPE CHANGE
FLOOR FINISH → PNT-1	→ FLOORING INSTALL DIRECTION
WALL BASE FINISH → PNT-1	

- GENERAL NOTES - FLOOR FINISH PLAN
1. PROVIDE AND INSTALL ALL FLOORING IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. NOTIFY INTERIOR DESIGNER OF ANY CONFLICTING INSTRUCTIONS PRIOR TO COMMENCEMENT OF WORK.
 2. THE FLOORING CONTRACTOR SHALL VISIT THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR THE ACCURACY OF THEIR MEASUREMENTS AND TOTAL YARDAGE REQUIREMENTS FOR MATERIALS TO BE FURNISHED. NO REQUESTS FOR MATERIAL OR INSTALLATION EXTRAS WILL BE CONSIDERED DUE TO MEASUREMENT OR TAKE-OFF ERRORS BY THE FLOORING CONTRACTOR.
 3. THE FLOORING CONTRACTOR IS RESPONSIBLE FOR TESTING TO ASSURE MANUFACTURER RECOMMENDED STANDARDS FOR MOISTURE VAPOR EMISSIONS AND ALKALINITY ARE MET, AND FOR INSTALLATION ACCORDING TO MANUFACTURER GUIDELINES.
 4. ALL FLOOR CORES LEFT ABANDONED ARE TO BE PATCHED WITH A NON-SHRINKING CONCRETE TO A SMOOTH UNDETECTABLE FINISH BEFORE FLOOR COVERINGS ARE INSTALLED.
 5. PATCH ALL AREAS WHERE FLOOR IS NOT LEVEL OR TRUE PRIOR TO FLOORING INSTALLATION. ALL FLOORS ARE TO BE LATEX PATCHED TO +/-1/8" IN A 10'-0" RADIUS.
 6. CONTRACTOR TO PROVIDE AN UNDERLAYMENT OF PORTLAND BASE SELF-LEVELING COMPOUND UP TO 1/2" THICK ON ALL FLOORS TO RECEIVE FLOORING FOR A SMOOTH, LEVEL FINISH. PROVIDE A SEPARATE COST ESTIMATE FOR MOISTURE REMEDIATION BASED ON SQ. FT. IF NEEDED.
 7. THE FLOORING CONTRACTOR SHALL BE RESPONSIBLE FOR LATEXING AND TAPERING EXISTING CONCRETE FLOOR SLAB. WHERE MATERIAL TRANSITIONS OCCUR, TRANSITION LINES BETWEEN COVERINGS SHOULD BE FEATHERED SUCH THAT THE TOP OF THE COVERINGS ARE SMOOTH AND LEVEL TO THE TOUCH.
 8. APPLY CONCRETE SLAB PRIMER, IF RECOMMENDED BY FLOORING MANUFACTURER, PRIOR TO APPLICATION OF ADHESIVE. APPLY IN COMPLIANCE WITH MANUFACTURER'S DIRECTIONS.
 9. PROVIDE LOW V.O.C. LEED COMPLIANT ADHESIVES AND FLOOR LEVELING PRODUCTS.
 10. INSPECT SUB-FLOORING AND BROOM CLEAN OR VACUUM SURFACES TO BE COVERED PRIOR TO INSTALLATION. START OF FLOORING INSTALLATION INDICATES ACCEPTANCE OF SUB-FLOOR CONDITIONS AND FULL RESPONSIBILITY FOR COMPLETED WORK.
 11. MAINTAIN REFERENCE MARKERS, HOLES, OR OPENINGS THAT ARE PLAINLY MARKED FOR FUTURE CUTTING. DO THIS BY REPEATING MARKINGS ON FINISH FLOORING AS MARKED ON SUB-FLOOR. USE CHALK OR OTHER NON-PERMANENT MARKING DEVICES.
 12. ALL CARPET SHALL BE INSTALLED BY THE DIRECT GLUE METHOD AND IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. CONTRACTOR TO USE SEAM SEALER AT ALL SEAMS.
 13. ALL MATERIAL TRANSITIONS AND THRESHOLDS ARE TO MEET THE REQUIREMENTS OF ANSI STANDARDS, ADA ARCHITECTURAL GUIDELINES AND AMERICANS WITH DISABILITIES ACT, WHICHEVER IS MOST STRINGENT.
 14. FLOORING CONTRACTOR SHALL BE RESPONSIBLE FOR LATEXING AND TAPERING EXISTING CONCRETE FLOOR SLAB WHERE MATERIAL CHANGES OCCUR. TRANSITION LINES BETWEEN FLOOR COVERING SHOULD BE FEATHERED SUCH THAT THE TOP OF ALL FLOOR COVERINGS ARE SMOOTH, LEVEL AND EVEN TO THE TOUCH.
 15. ALL CERAMIC TILE TO BE INSTALLED IN ACCORDANCE WITH STANDARDS SET FORTH IN TILE COUNCIL OF NORTH AMERICA'S INSTALLATION HANDBOOK
 16. PROVIDE A TILE EXPANSION JOINT DIRECTLY OVER ALL COLD JOINTS, SAWCUT CONTROL JOINTS, AND EXPANSION JOINTS IN CONCRETE FLOOR SLAB. TILE EXPANSION JOINTS TO CONFORM TO STANDARDS SET FORTH IN THE TILE COUNCIL OF NORTH AMERICA'S INSTALLATION HANDBOOK. FOR CERAMIC TILE INSTALLATION, GROUT BETWEEN TILES AS REQUIRED TO COVER EXPANSION JOINTS. SEE FLOOR FINISH PLAN FOR LOCATIONS & DETAILS.
 17. ALL AND ANY FLOOR TILE TO BE CENTERED IN ROOMS LEAVING EQUAL CUT TILES AT WALLS IF REQUIRED, UNLESS NOTED OTHERWISE.
 18. CONTINUE FLOORING UNDER ALL MILLWORK WHERE FLOORING WILL BE VISIBLE. FOR EXAMPLE COUNTERTOPS WITHOUT CABINETS BELOW. CONTACT ARCHITECTS WITH QUESTIONS.
 19. SUBMIT ALL FINISH MATERIALS AND COLORS FOR APPROVAL INTERIOR DESIGNER PRIOR TO ORDER AND INSTALLATION.
 20. ALL FLOOR FINISHES SHALL BE SUFFICIENTLY PROTECTED BY THE GENERAL CONTRACTOR AFTER INSTALLATION, PRIOR TO TURN OVER TO OWNER. GROUT AND MASTIC SHALL BE GIVEN PROPER TIME TO SET BEFORE USE.

KEYNOTES - FLOOR FINISH	
TAG	COMMENTS
01	MILLWORK WOOD TRIM 4" OFF OF FLOOR, SCHLUTER DILEX AT FLOOR TRANSITION - SEE 5/A100
02	PROVIDE ADA DOOR THRESHOLD PITCHED MAX 1/2" RISE ON EXTERIOR, AND ALIGN INTERIOR SIDE TO INTERIOR FLOOR THICKNESS
03	QT-B INSTALLED AT BASE OF WALLS
04	SLAB CONCRETE AS FLOOR IN MECH. PROVIDE SCHLUTER AT FLOORING TRANSITION.
05	-WALL TILE TO FLOOR, CAULK ALL BASE JOINTS -ALT:FRONT OF HOUSE PAD EP BASE FLUSH WITH WALL TILE ABOVE -ALT: SCHLUTER DILEX BASE FROM ANY WALL TILE TO EP FLOOR TRANSITION

ID - FLOOR FINISH SCHEDULE						
TAG	ELEMENT	MNFR.	STYLE/ MODEL NO.	FINISH/ INSTALL	COMMENTS	FURN. INST.
EP-1	RESILANT	SHERWIN WILLIAMS	BASE & BROADCAST: RESUFLO 3746 - COLOR: RAINBOW CONE CREAM REVISED; TOP COAT: RESUTILE 4638 - COLOR: CLEAR; VINYL FLAKES BY EXTERIOR COATINGS, OR EQ. COLORS: F1760, F9990, F5052, F5103, F9908	MEDIUM BROADCAST - 25% FLAKES, 75% BASE COAT, 1/4" FLAKE SIZE	RAINBOW CONE, SEE IMAGE BELOW	GC GC
QT-1	QUARRY	AMERICAN OLEAN	6X6 QUARRY TILE; COLOR: FAWN GRAY 0Q06; ABRASIVE FINISH	INSTALL MONOLITHIC	BUONA KITCHEN; ALTERNATE OPTION: RESILANT FLOORING; PROTECT-ALL STANDARD; COLOR: LIGHT GRAY; FINISH: MATTE	GC GC
QTB-1	QUARRY	AMERICAN OLEAN	6X6 BULLNOSE TRIM QUARRY TILE; COLOR: FAWN GRAY 0Q06; ABRASIVE FINISH	INSTALL ONE ROW AT WALL BASE	BUONA KITCHEN; ALTERNATE OPTION: VB-1	GC GC

EP-1 COLOR FLAKES:



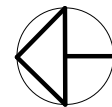
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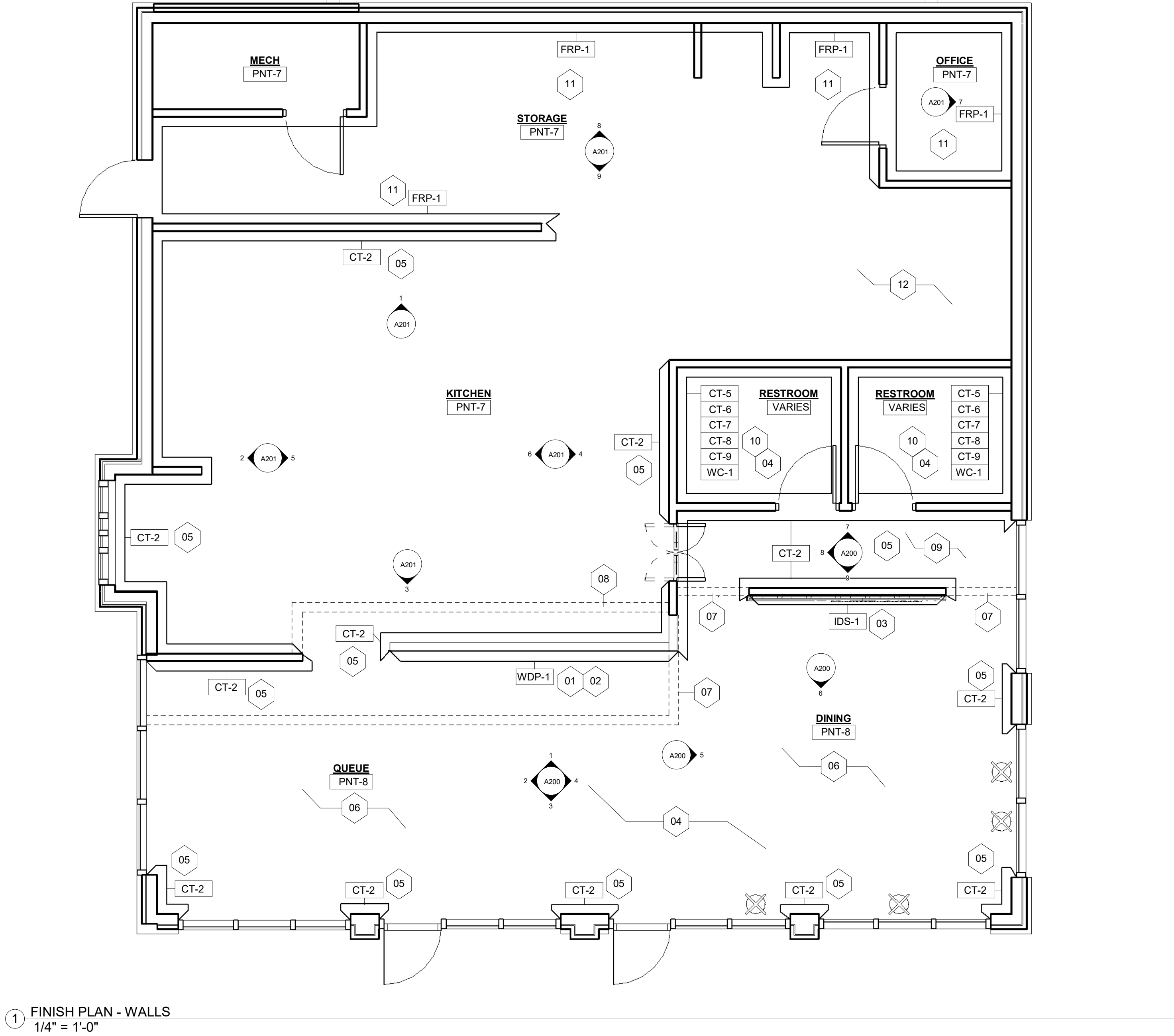
FLOOR FINISH
PLAN,
SCHEDULE, +
DETAILS

A131



Scale

As indicated



1 FINISH PLAN - WALLS
1/4" = 1'-0"

CG-1 CORNER GUARDS TO BE POWDER-COATED IN SHERWIN WILLIAMS: RAINBOW CONE CREAM

DOORS: MASONITE CENDURA WHITE OAK PLAIN SLICED, STAIN: CLEAR

ID - WALL FINISH SCHEDULE (SEE A300-SERIES FOR EXTERIOR MATERIALS)							
TAG	ELEMENT	MNFR.	MODEL #	FINISH/ INSTALL	COMMENTS	FURN.	INST.
CT-2	CERAMIC TILE	DALTILE	COLOR WHEEL COLLECTION; COLOR: MATTE BISCUIT K775; MATTE; 3X6	INSTALL BRICK ASHLAR	WALLS @ RAINBOW CONE	GC	GC
CT-5	CERAMIC TILE	MANISCOLA (DAL TILE DISTRIBUTOR)	KALEIDOSCOPE SERIES; 3X6 CERAMIC TILE; COLOR: MOCHA* TO BE CUSTOM PAINTED; KMO3X6	INSTALL BRICK ASHLAR	LOUNGE & RAINBOW CONE	GC	GC
CT-6	CERAMIC TILE	MANISCOLA (DAL TILE DISTRIBUTOR)	KALEIDOSCOPE SERIES; 3X6 CERAMIC TILE; COLOR: PINK KPI3X6	INSTALL BRICK ASHLAR	LOUNGE & RAINBOW CONE	GC	GC
CT-7	CERAMIC TILE	MANISCOLA (DAL TILE DISTRIBUTOR)	KALEIDOSCOPE SERIES; 3X6 CERAMIC TILE; COLOR: YELLOW KYE3X6	INSTALL BRICK ASHLAR	LOUNGE & RAINBOW CONE	GC	GC
CT-8	CERAMIC TILE	MANISCOLA (DAL TILE DISTRIBUTOR)	KALEIDOSCOPE SERIES; 3X6 CERAMIC TILE; COLOR: GREEN BRANCH KGB3X6	INSTALL BRICK ASHLAR	LOUNGE & RAINBOW CONE	GC	GC
CT-9	CERAMIC TILE	MANISCOLA (DAL TILE DISTRIBUTOR)	KALEIDOSCOPE SERIES; 3X6 CERAMIC TILE; COLOR: ORANGE KOR3X6	INSTALL BRICK ASHLAR	LOUNGE & RAINBOW CONE	GC	GC
FRP-1	FIBERGLASS REINFORCED PLASTIC	PANOLAM OR EQ.	0.090" THICK; WHITE; EMBOSSED	N/A	OR SIM CLASS A	GC	GC
IDS-1	CUSTOM FEATURE	IDS	CUSTOM 10' X 14' 3D MOLDED WALL	N/A	PROVIDE BLOCKING	O	O

ID - WALL FINISH SCHEDULE (SEE A300-SERIES FOR EXTERIOR MATERIALS)							
TAG	ELEMENT	MNFR.	MODEL #	FINISH/ INSTALL	COMMENTS	FURN.	INST.
MLAM-1	METAL LAMINATE	WILSONART	SATIN BRUSHED GOLD ALUMINUM; 6258		FRONT COUNTER TOE-KICK	GC	GC
PNT-6	PAINT	SHERWIN WILLIAMS	IRON ORE; 7069	SEMIGLOSS	DOORS & DOOR FRAMES THROUGHOUT	GC	GC
PNT-7	PAINT	SHERWIN WILLIAMS	RAINBOW CONE OFF-WHITE	EGGSHELL	WALLS @ RAINBOW CONE	GC	GC
PNT-8	PAINT	SHERWIN WILLIAMS	RAINBOW CONE STRAWBERRY	FLAT	UPPER WALLS & CEILING @ RAINBOW CONE	GC	GC
PNT-9	PAINT	SHERWIN WILLIAMS	CARAMELIZED; SW 9186	GLOSS	FRONT COUNTER 3D INSERT AND BACKING	GC	GC
ST-2	STONE	MSI	SPARKLING WHITE QUARTZ, OR EQ.	SQUARED EDGES; 3CM THICKNESS	RESTROOM COUNTERTOPS	GC	GC
ST-3	STONE	MSI	CALACATTA PRADO QUARTZ	SQUARED EDGES; 3CM THICKNESS	RAINBOW CONE COUNTERTOPS	GC	GC
WC-1	GRAPHIC	VINYL WALLCOVERING	BY OWNER	CUSTOM GRAPHIC	BY OWNER	O	O
WD-1	STAINED WOOD	BY GC	WOOD FINISH - WHITE OAK STAINED CLEAR	CLEAR STAIN	PROVIDE SAMPLE	GC	GC
WDP-1	3D WOOD PANEL	DECORATIVE CEILING TILES	MANCHESTER DECORATIVE FRETWORK WOOD/ PVC WALL PANELS; SIZE: LARGE 23-3/8" X 23-3/8"; MATERIAL: PAINT GRADE (WOOD); THICKNESS: 3/8"; WALW24X24X0375MNCMF	PAINTED IN	INSTALLED @ INSET AT FRONT COUNTER	GC	GC

LEGEND	
ROOM TAG	ABBREVIATIONS
ROOM NAME → RESTROOM	CG: 2X2 BLACK PAINTED STEEL ANGLES IN BUONA PUBLIC AREA TRANSITIONS
PRIMARY WALL FINISH → PNT-1	EG: EDGE GUARD
	SG: SCHLUTER QUADEC CORNER TRANSITION FOR RAINBOW CONE AND BATHROOM TILE AREAS
	SS: 2" X 2" X 16 GA. STAINLESS STEEL CORNER GUARD PER FS DRAWINGS

1. LEVEL 4 FINISH THROUGHOUT
2. WHERE 'SS' CORNER GUARD IS SPECIFIED PROVIDE 2 X 2 SS GUARD FROM FLOOR TO CEILING. WHERE 'CG' CORNER GUARD IS SPECIFIED, PROVIDE 2 X 2 STEEL ENAMELED BLACK, UNPAINTED, RAW FINISH. REFER TO A132 KEYNOTES.QT COVE BASE TO ABUT SS ANGLE. SEE FS-5 FOR DETAILS.
3. PROVIDE SEALANT AT ALL JOINTS, TRANSITIONS, CORNERS AND CHANGES IN MATERIALS, AND AS REQUIRED TO COMPLETE AN INSTALLATION
4. SEE PLUMBING DRAWINGS FOR ALL DRAIN AND C/O LOCATIONS, CUT TILE NEAT AND CLEAN AROUND EACH.
5. AT ALL LOCATIONS CALLING FOR QT-1/QTB-1 BASE PROVIDE WATERPROOF MEMBRANE MAPEI RED GUARD ADHERED TO PARTITION AND BACK OF TILE 8" VERTICALLY AND 1'-0" HORIZONTALLY
6. FLOOR CONTRACTOR TO VERIFY LAYOUT AND GET APPROVAL FROM ARCHITECT PRIOR TO INSTALLATION.
7. INSTALL QUARRY TILE PRIOR TO COOLER PLACEMENT. TILE SHOULD EXTEND TO THE DIMENSIONS OF THE COOLER AS INDICATED ON SHEET A.1.
8. SODA LINE SHALL BE 6" PVC CONDUIT PROVIDED UNDER SLAB WITH 6" 90'S AND 3" PVC IN WALL PARTITIONS
9. EDGE PROFILE AT QUARRY TILE: REFER DETAIL F/A.1.1 1.2 SCHLUTER-RENO-U: 12.5 1/2" AEU125 SCHLUTER SYSTEMS: 1-800-472-4588
10. CONTRACTOR SHALL FIELD VERIFY ALL SPECIFIED FLOOR SINK AND FLOOR DRAIN LOCATIONS WITH THE PLUMBING DRAWINGS PRIOR TO CONSTRUCTION.
11. INSTALL MOISTURE RESISTANT DRYWALL AT ALL BATHROOM WALLS. ALL OTHER PAINT LOCATIONS TO RECEIVE TYPE 'X' DRYWALL, TO LEVEL 4 FINISH
12. PAINTER RESPONSIBLE FOR CAULKING DOOR FRAMES & TILE TO GWB TRANSITIONS PRIOR TO FINAL PAINT
13. TILE CONTRACTOR TO PROVIDE SEALANT AT BRICK TO VINYL FLOOR TRANSITION, TILE CORNERS, AND TILE TRANSITIONS
14. ALL "FRT" LABELS SHALL MEAN FRT PLYWOOD TO 6" ABOVE CEILING - FRT TO CEILING
15. ALL PAINT SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR THE PARTICULAR SURFACE. THE WORK SHALL BE PERFORMED SO AS TO PREVENT DAMAGE TO OTHER SURFACES. FINISH COATS SHALL BE SMOOTH AND UNIFORM IN COLOR, SHEEN, TEXTURE AND SHALL BE OF SUFFICIENT THICKNESS TO COVER COMPLETELY.
16. ALL PAINTED WALLS ARE TO RECEIVE ONE (1) COAT PRIMER TINTED TO MATCH FINISH COAT, AND TWO (2) FINISH COATS OF SPECIFIED COLOR.
17. ALL INTERIOR FINISHES SHALL BE CLASS A; FLAME SPREAD RATING: 0-25; SMOKE DEVELOPED 200 OR LESS.
18. ALL WALLS ARE TO BE PATCHED, SANDED, SMOOTH AND PREPARED FOR FINISHING AS REQUIRED.
19. WHERE WOOD SURFACES ARE TO BE FINISHED, WOOD IS TO BE PROPERLY SANDED, PRIMED AND FILLED BEFORE BEING PAINTED, STAINED OR VARNISHED WITH THE SPECIFIED FINISH BY THE PAINTER, UNLESS OTHERWISE NOTED.
20. ALL SURFACES ARE TO BE PROPERLY PREPARED PRIOR TO THE INSTALLATION OF WALLCOVERING AND SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
21. THE WALLCOVERING CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR THE ACCURACY OF THEIR MEASUREMENTS AND TOTAL YARDAGE REQUIREMENTS FOR MATERIALS TO BE FURNISHED.
22. ALL CERAMIC TILE IS TO BE INSTALLED IN ACCORDANCE WITH THE STANDARDS SET FORTH IN TILE COUNCIL OF AMERICA'S INSTALLATION HANDBOOK.
23. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SAFEGUARDING ALL LEFTOVER AND ATTIC STOCK FINISH MATERIALS PRIOR TO TURNOVER TO OWNER/BUILDING MANAGER.

KEYNOTES - WALL FINISH PLAN	
01	WDP-1 AND ALL SIDES OF INSERT TO BE PAINTED PNT-9
02	WOOD FRAMING SURROUNDING INSERT TO BE PAINTED PNT-7
03	CUSTOM 3D INSTALLATION BY OWNER. PROVIDE BLOCKING - VERIFY IN FIELD
04	ALL SCHLUTERS IN FRONT OF HOUSE (SCHIENE, DILEX, QUADEC, RONDEC) TO BE COLOR COATED ALUMINUM FINISH - SAND PEBBLE SP
05	CT-2 INSTALLED FULL HEIGHT. SCHLUTER QUADEC INSTALLED AT CORNERS: COLOR COATED ALUMINUM FINISH - SAND PEBBLE SP
06	PNT-8 INSTALLED FROM 10'-0" TO B/ OF ROOF DECK ABOVE. DUCTWORK, STRUCTURAL ELEMENTS, AND CONDUIT PAINTED PNT-8.
07	GYP. BULKHEAD ABOVE. FACES AND UNDERSIDE TO BE PAINTED PNT-8
08	GYP. BULKHEAD ABOVE. FACES AND UNDERSIDE TO BE PAINTED PNT-7
09	GYP. CEILING ABOVE PAINTED PNT-8
10	CT-5 - CT-9 INSTALLED UP TO 60" AFF AT EQUIDISTANT HEIGHTS, WITH WC-1 INSTALLED ABOVE AND ON CEILING. SEE ELEVATION.
11	FRP-1 INSTALLED UP TO 8' AFF, PNT-7 ABOVE
12	WALLS SURROUNDING WALK-IN FREEZERS TO BE FINISHED PER MFG. RECOMMENDATION

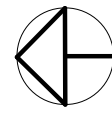


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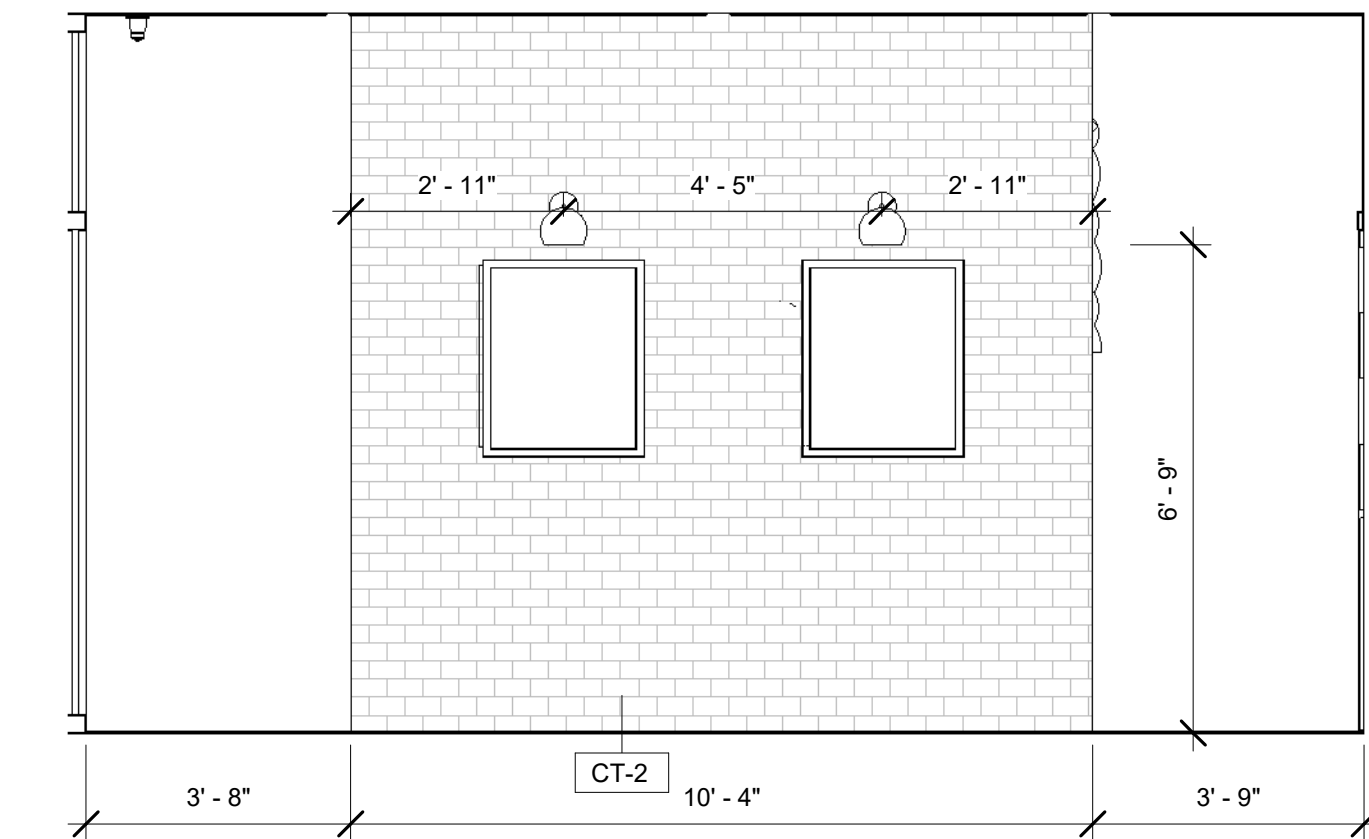
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WALL FINISH
PLAN,
SCHEDULE, +
DETAILS

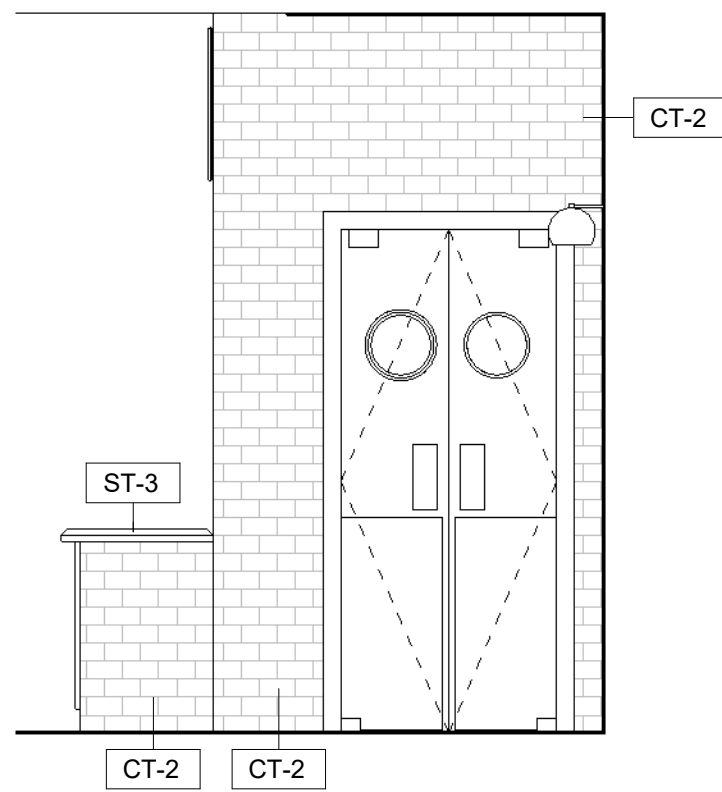
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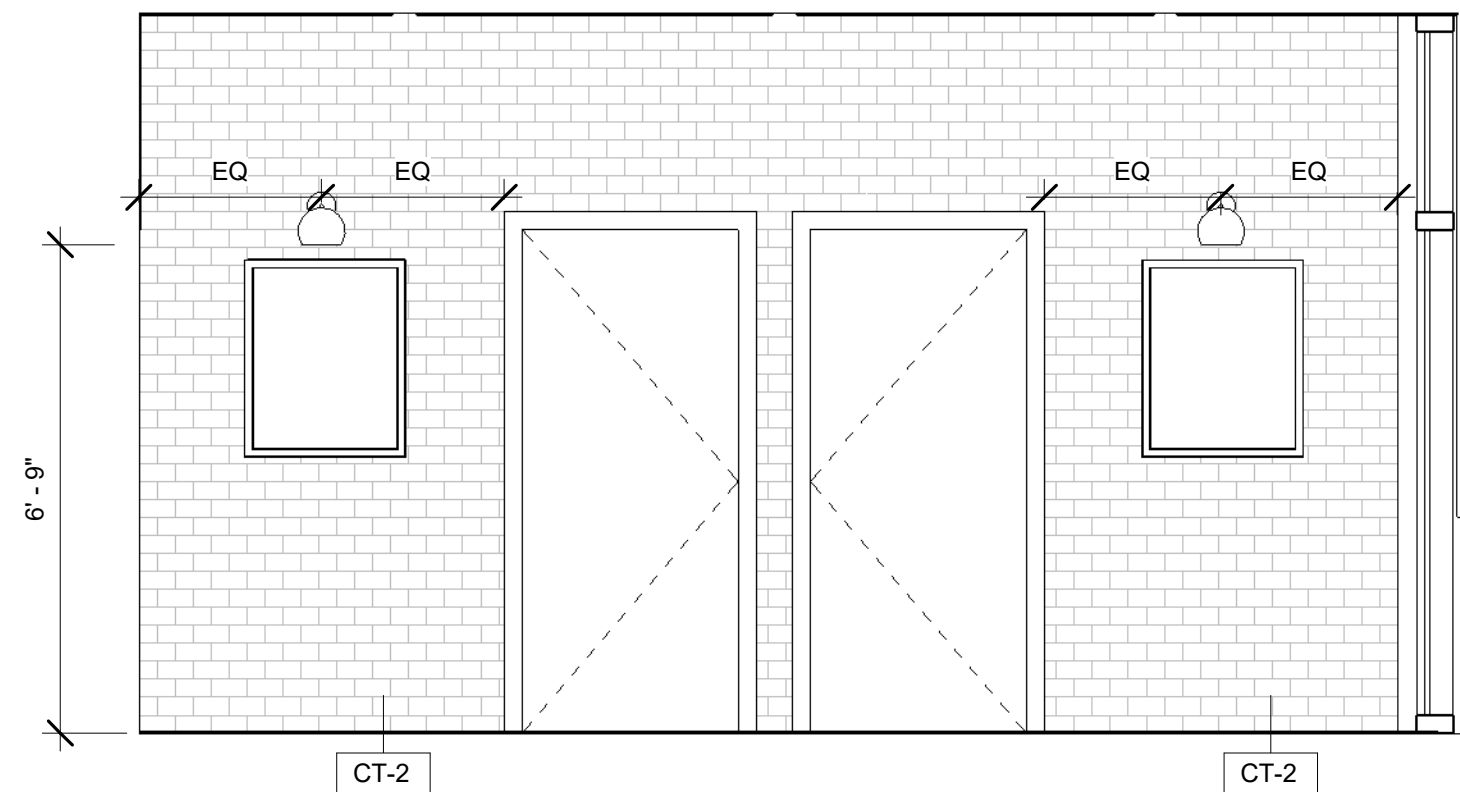
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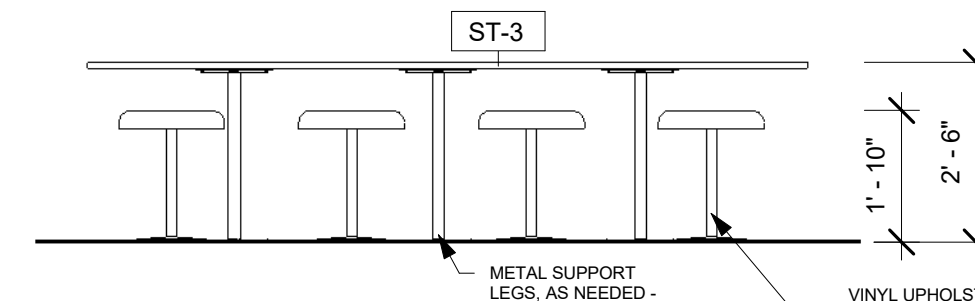
9 RESTROOM CORRIDOR - ELEVATION C
3/8" = 1'-0"



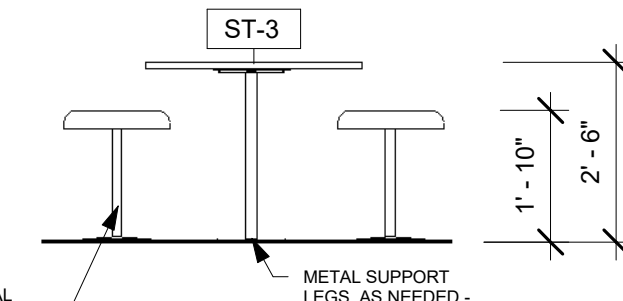
8 RESTROOM CORRIDOR - ELEVATION B
3/8" = 1'-0"



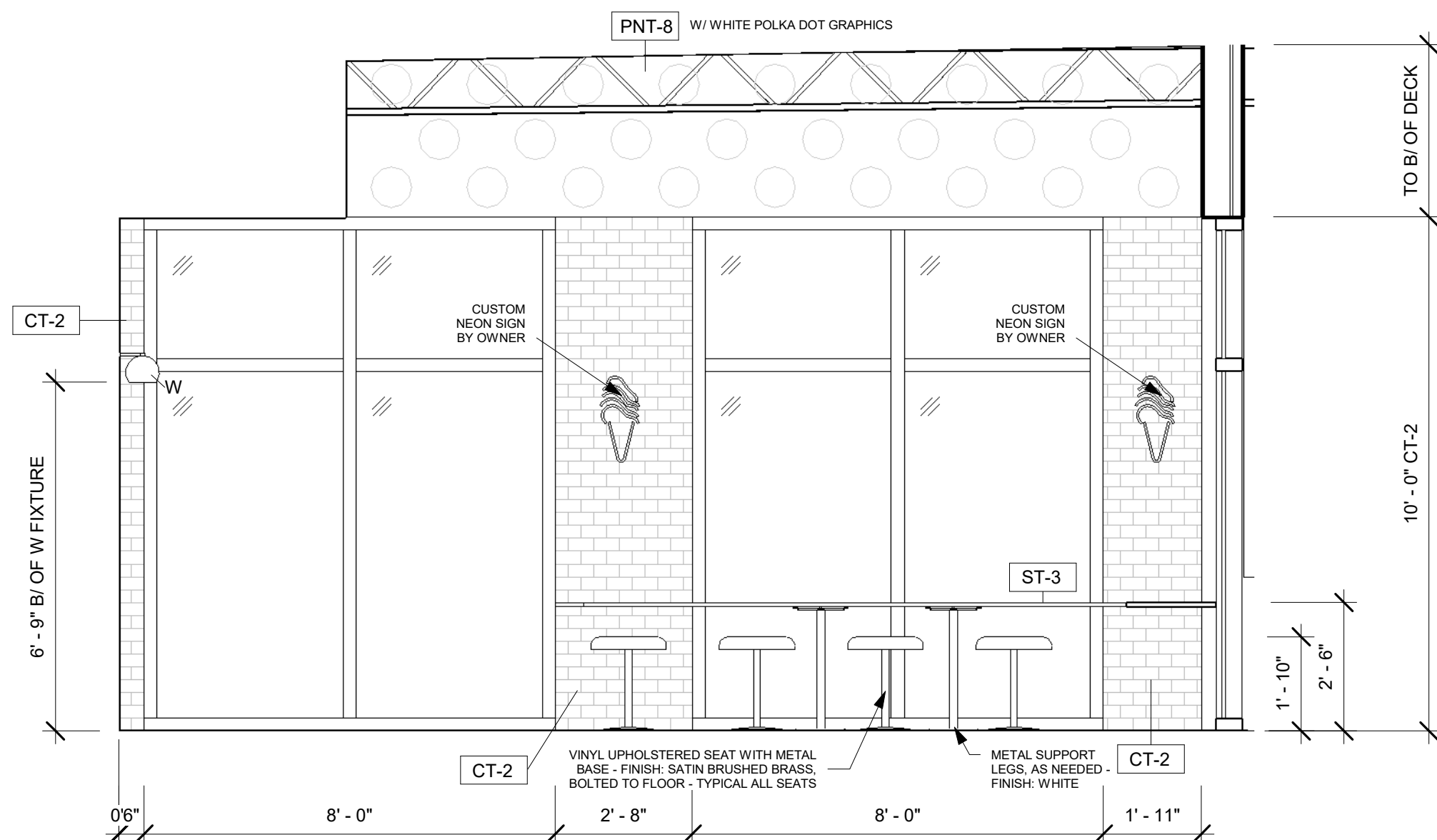
7 RESTROOM CORRIDOR - ELEVATION A
3/8" = 1'-0"



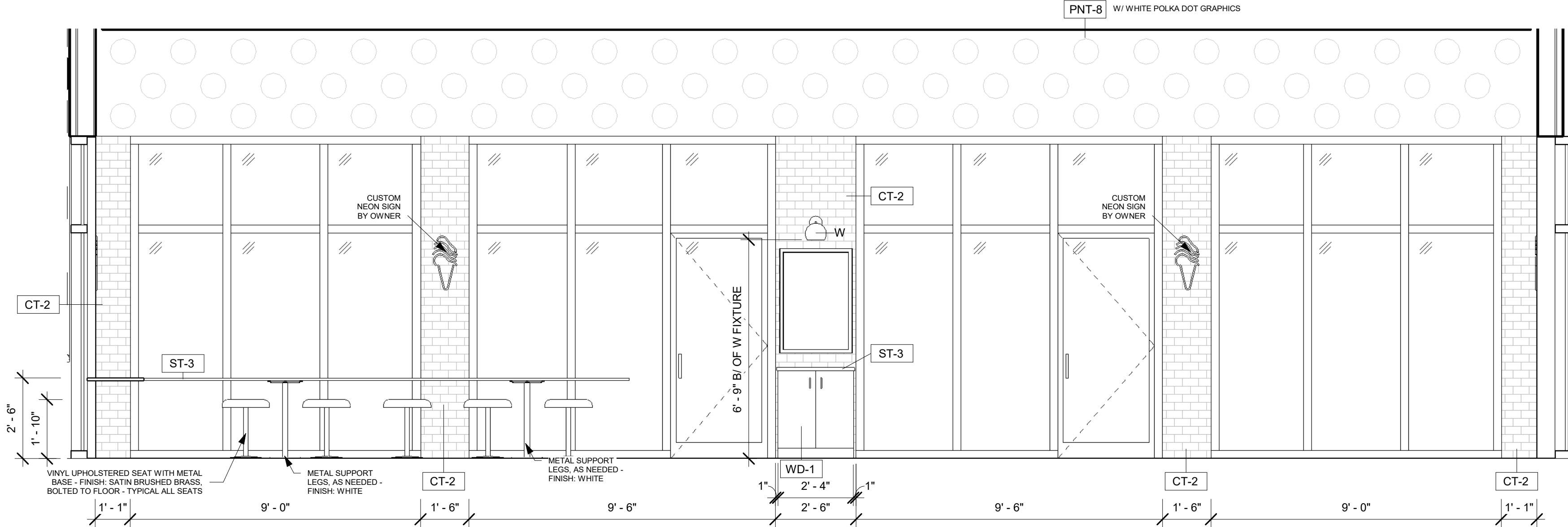
6 DINING SEATING ISLAND - ELEVATION B
3/8" = 1'-0"



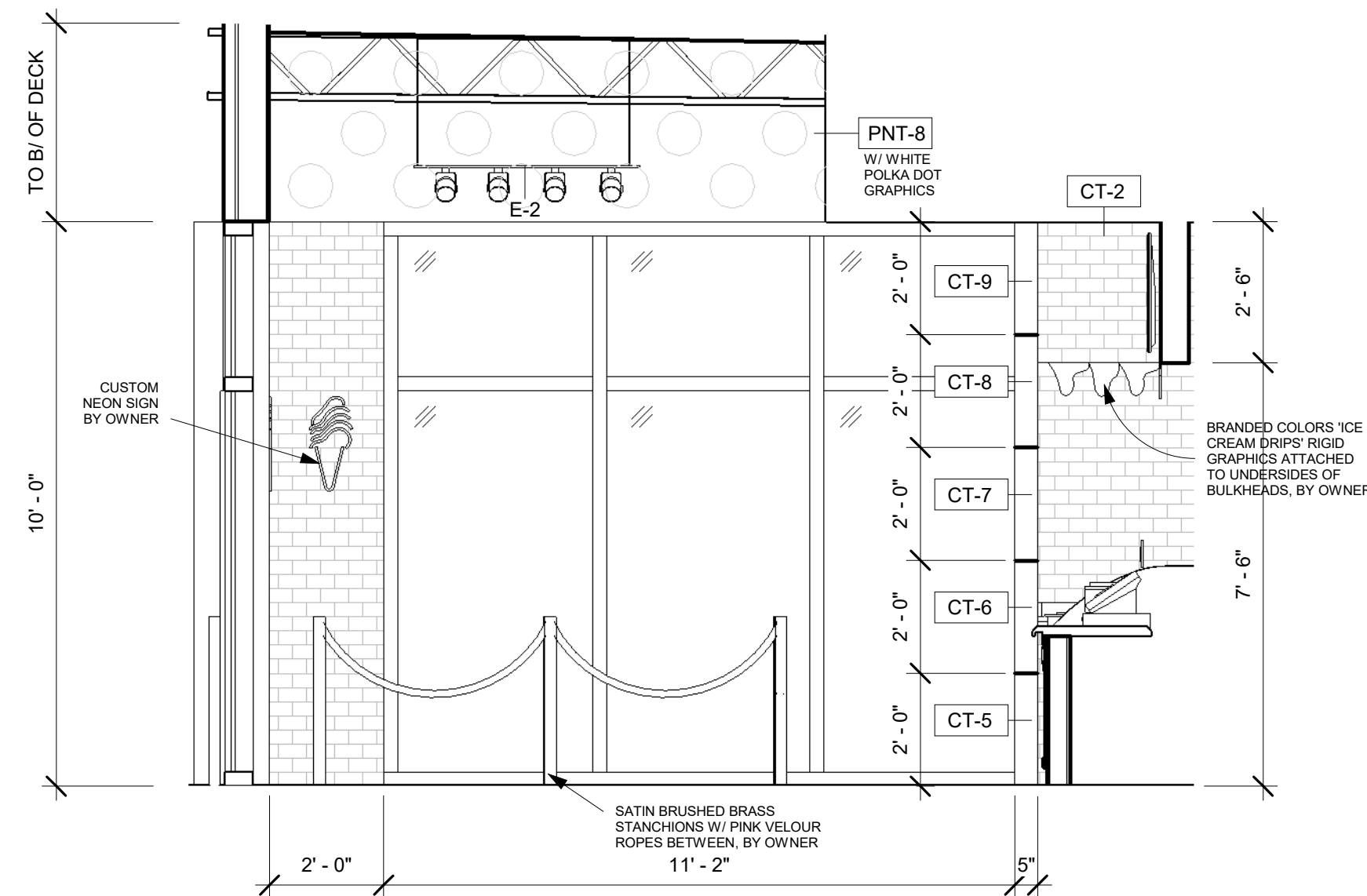
5 DINING SEATING ISLAND - ELEVATION A
3/8" = 1'-0"



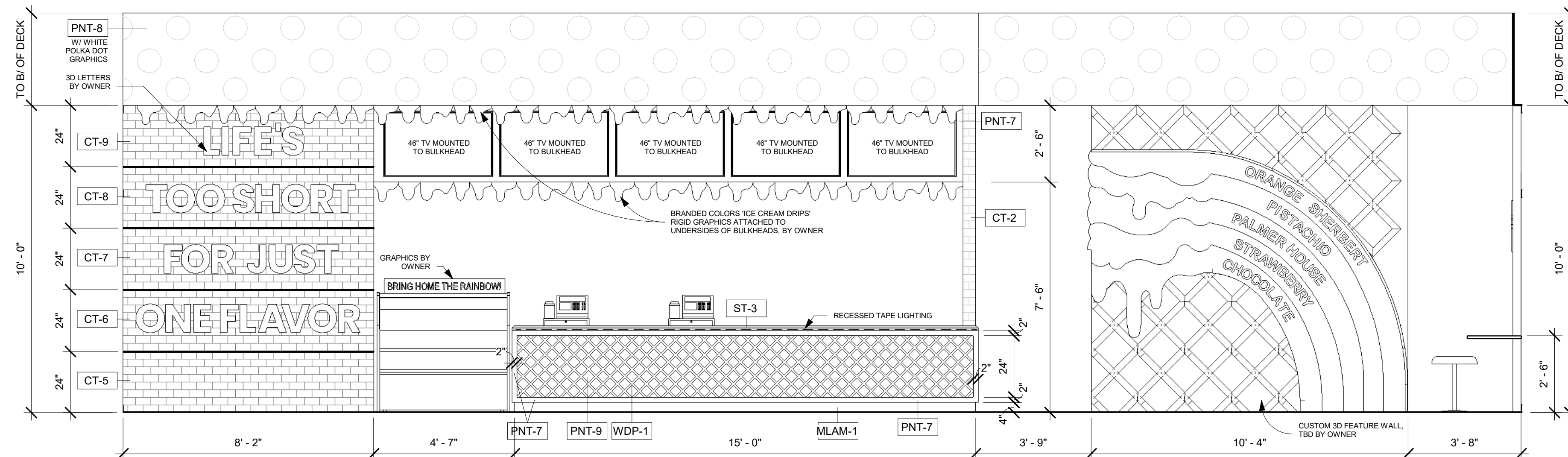
4 QUEUE/ DINING - ELEVATION D
3/8" = 1'-0"



3 QUEUE/ DINING - ELEVATION C
3/8" = 1'-0"



2 QUEUE/ DINING - ELEVATION B
3/8" = 1'-0"

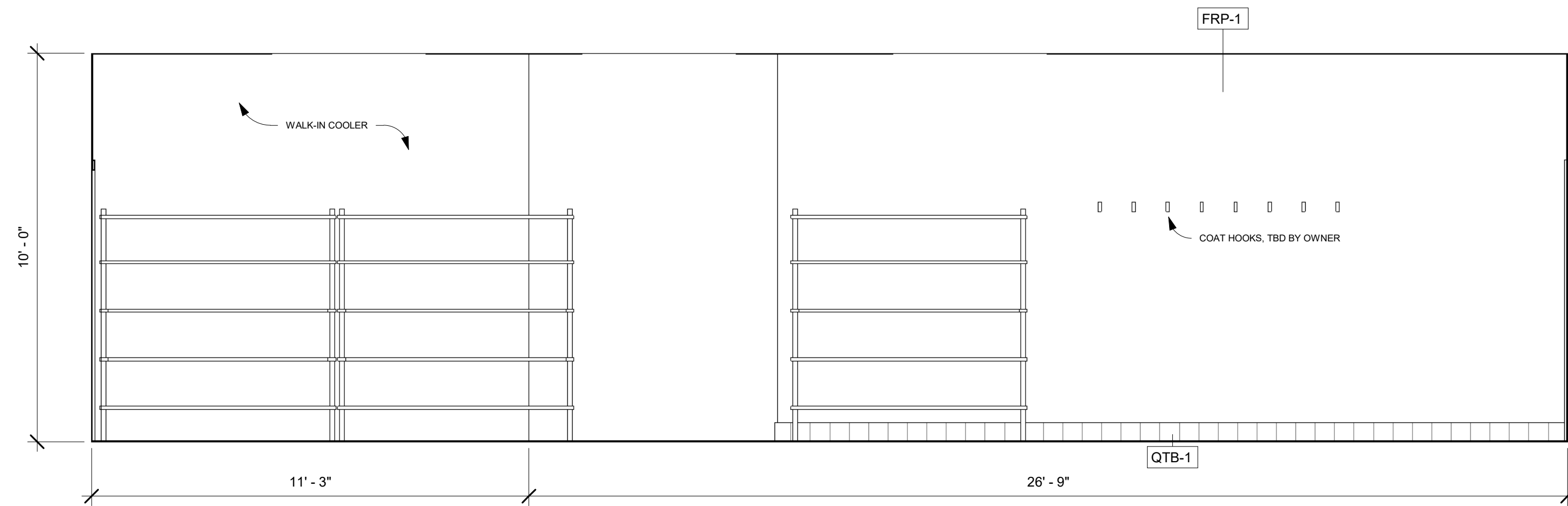


1 QUEUE/ DINING - ELEVATION A
3/8" = 1'-0"

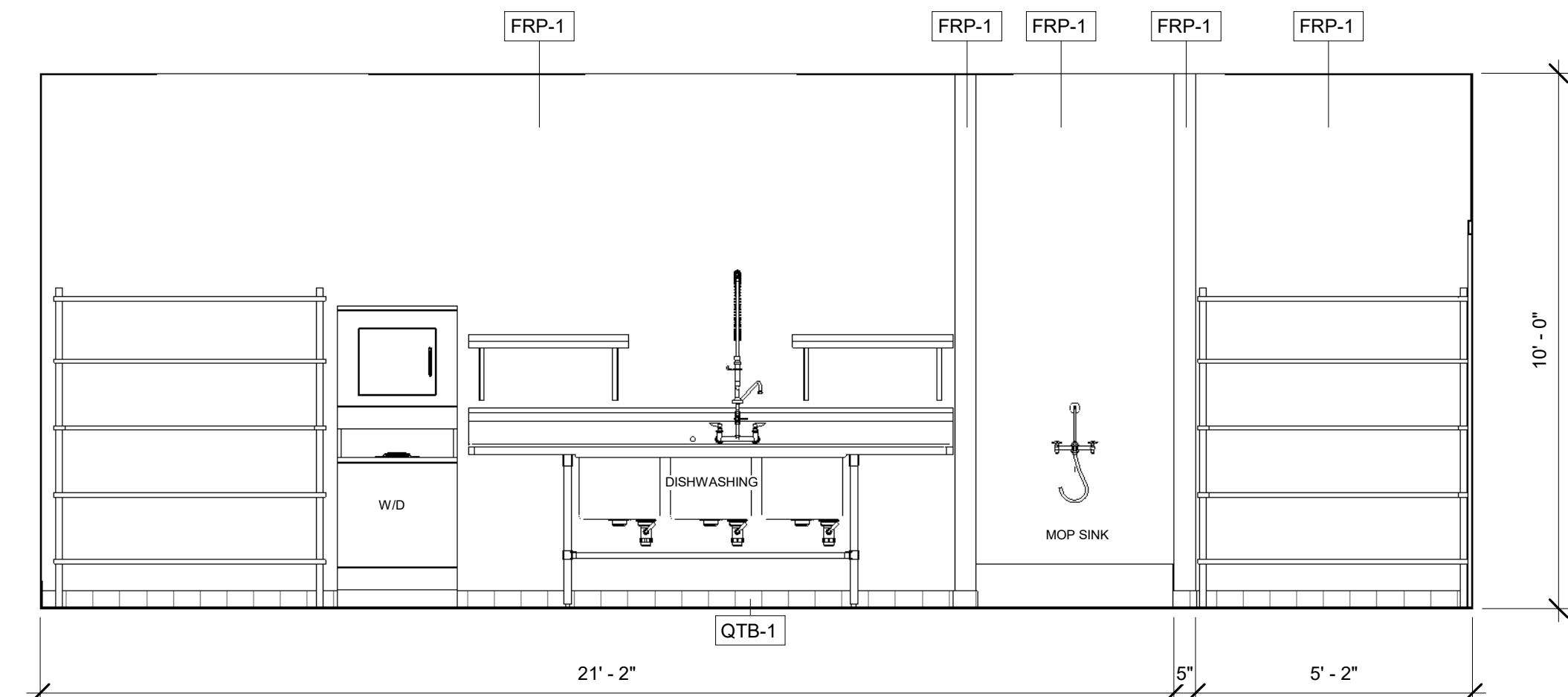
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INTERIOR
ELEVATIONS

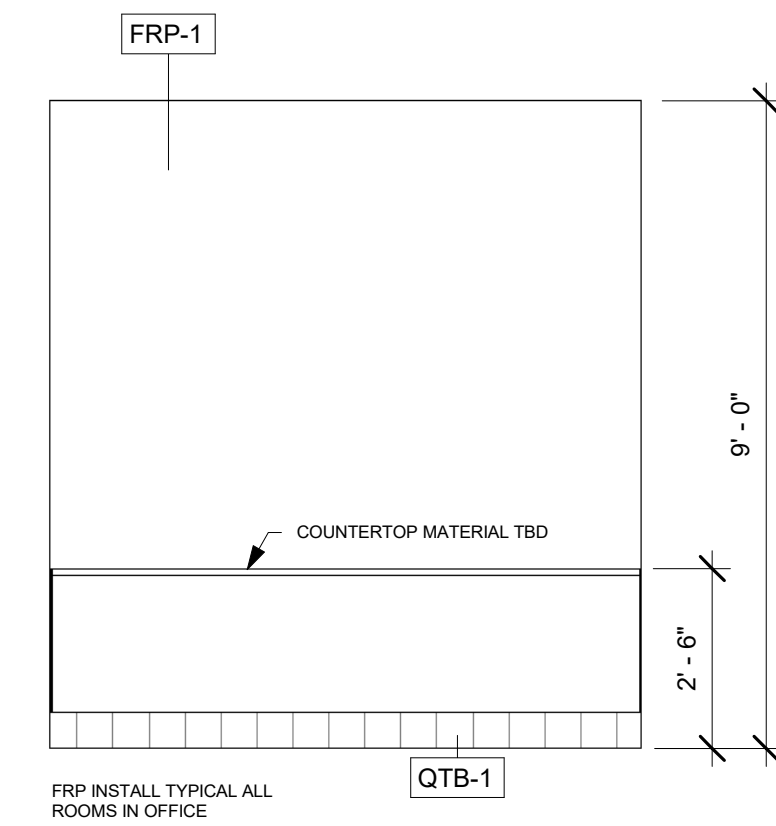
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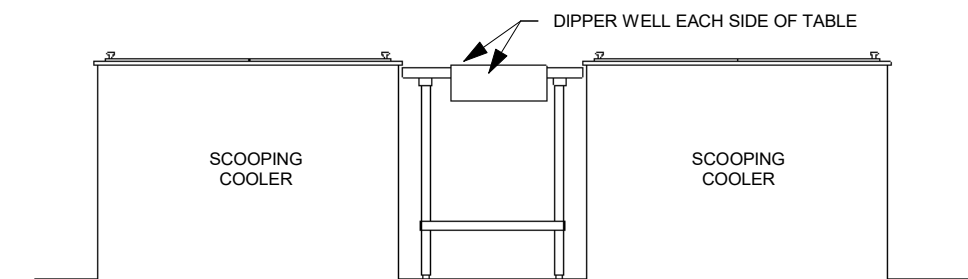
9 STORAGE - ELEVATION B
3/8" = 1'-0"



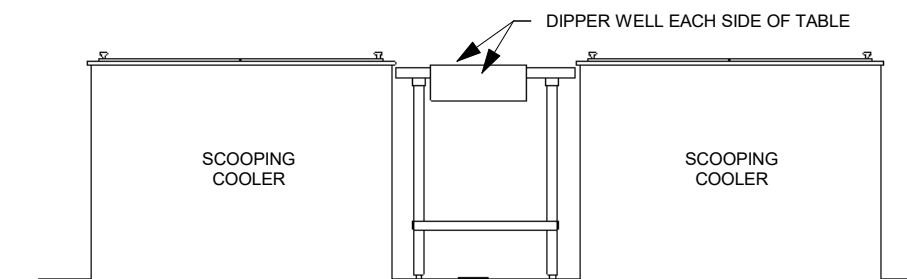
8 STORAGE - ELEVATION A
3/8" = 1'-0"



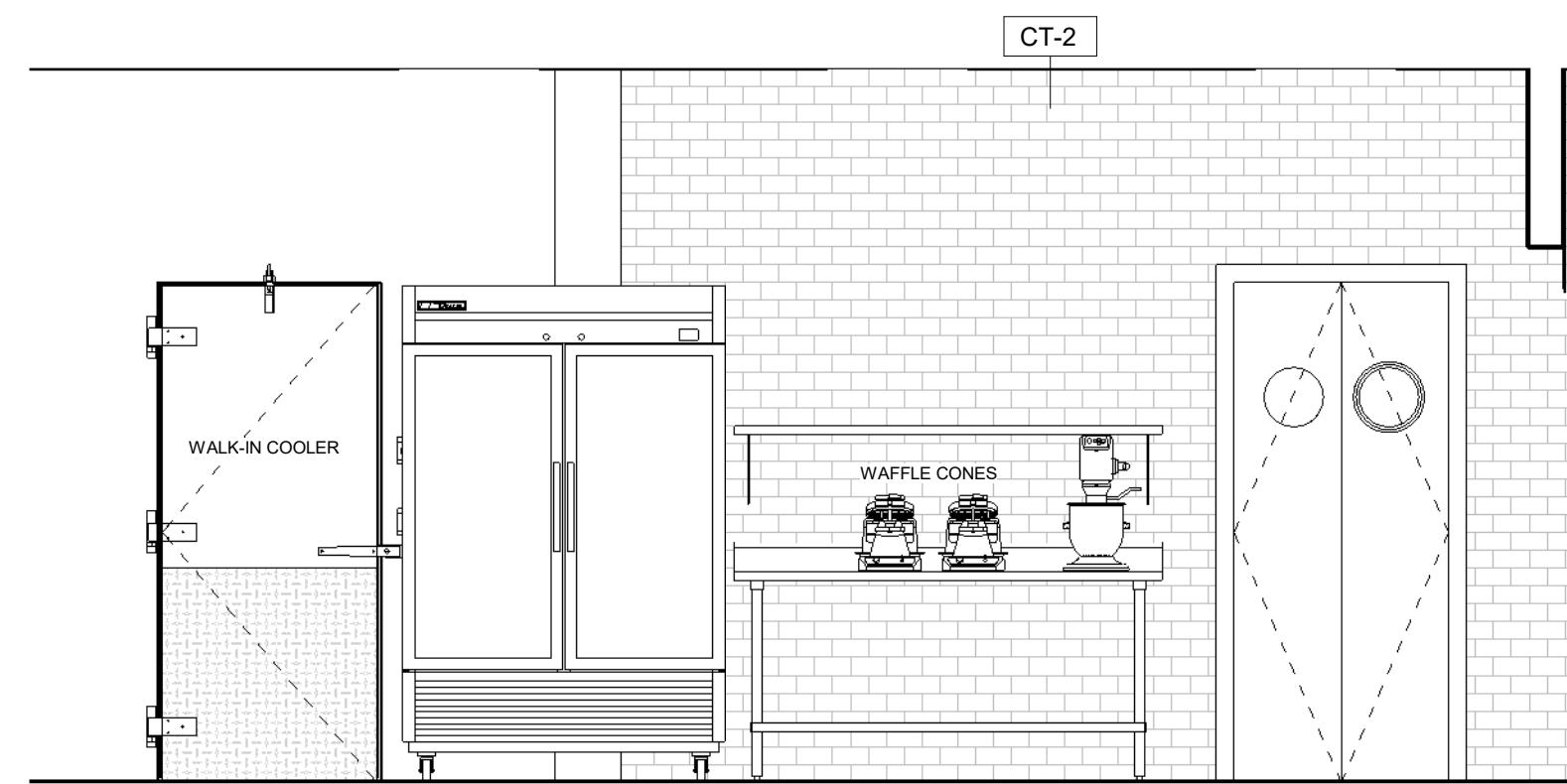
7 OFFICE - ELEVATION
3/8" = 1'-0"



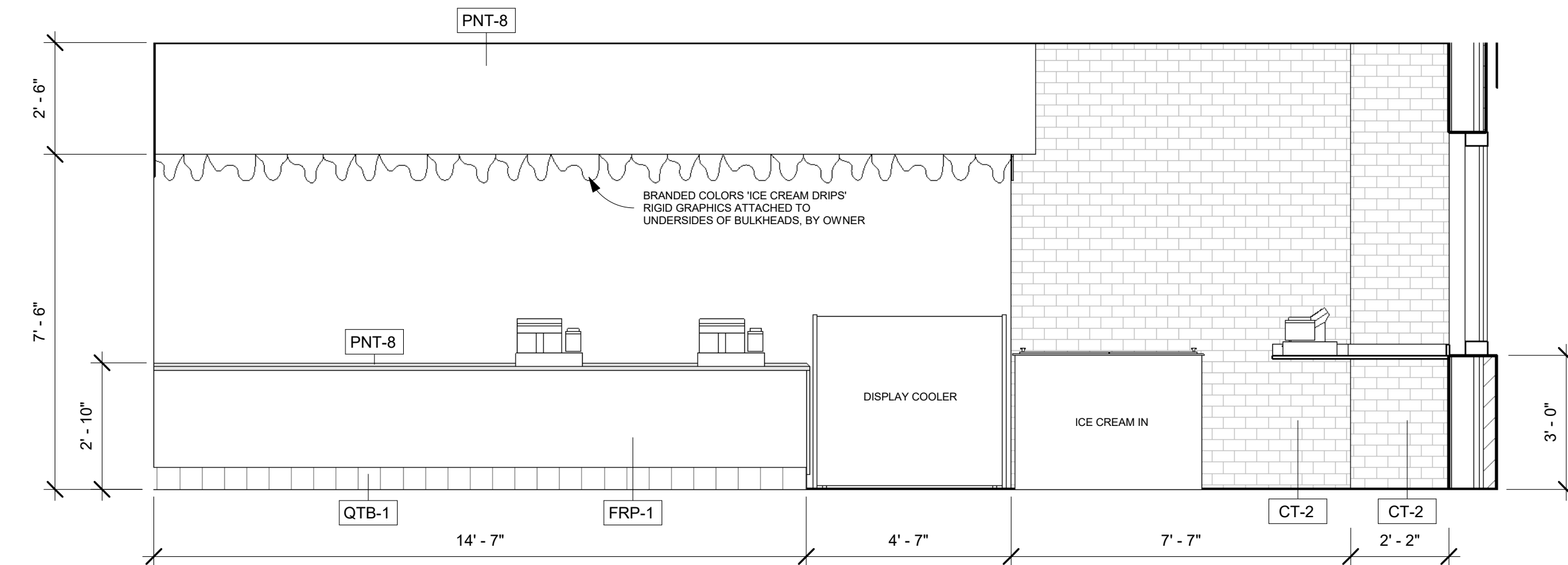
6 KITCHEN SCOOPING - ELEVATION B
3/8" = 1'-0"



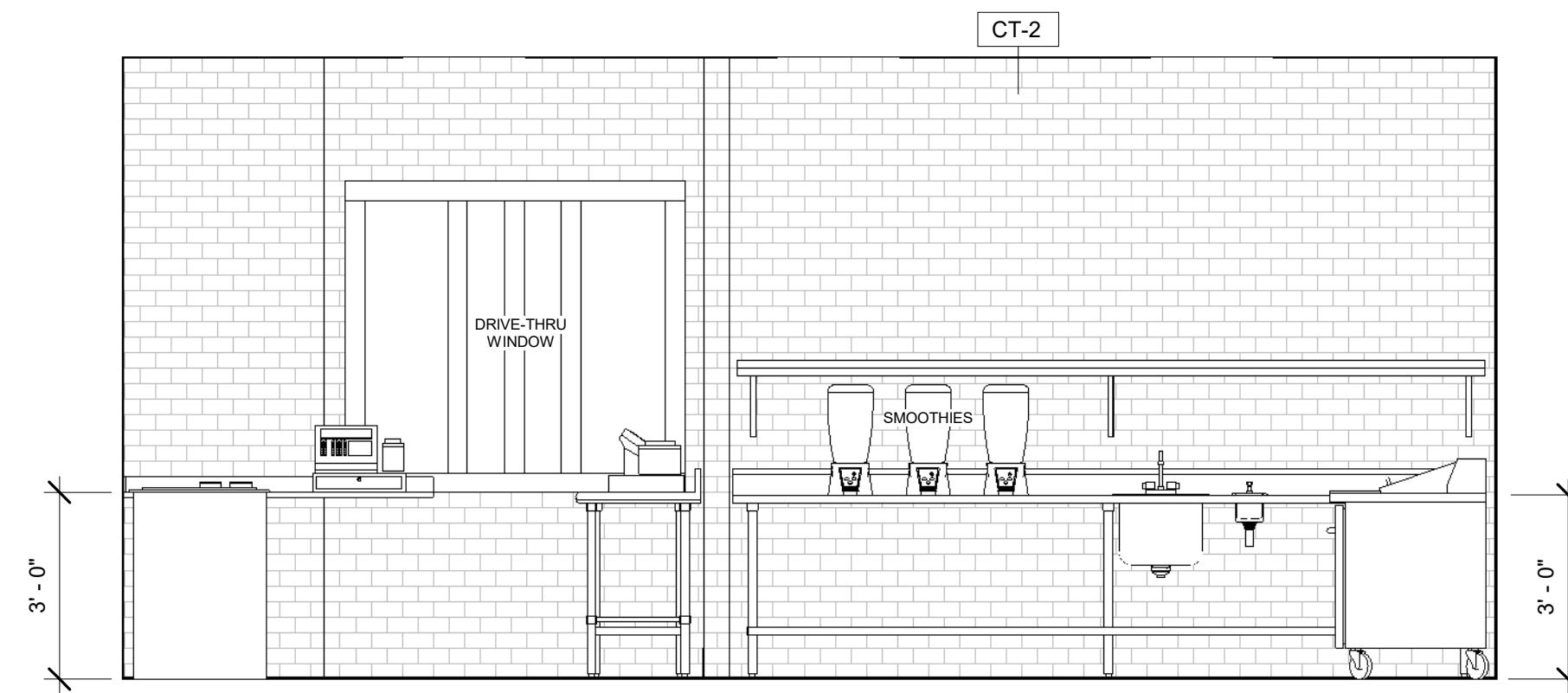
5 KITCHEN SCOOPING - ELEVATION A
3/8" = 1'-0"



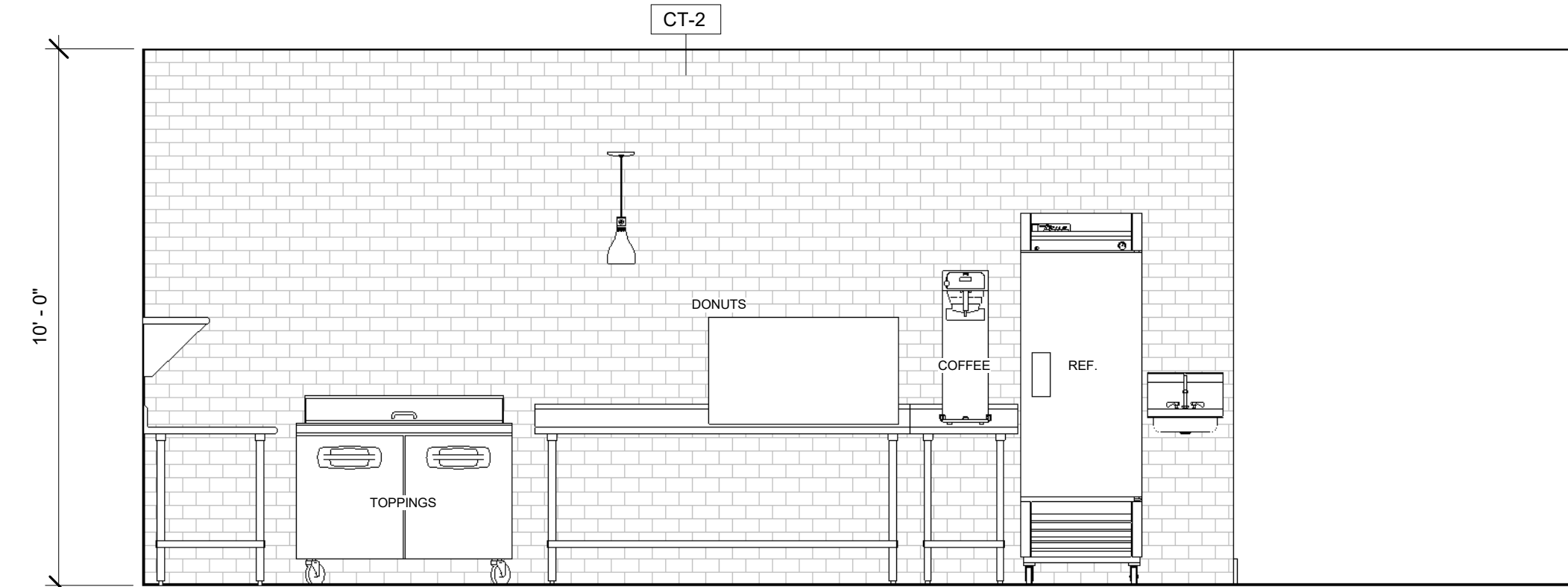
4 KITCHEN - ELEVATION D
3/8" = 1'-0"



3 KITCHEN - ELEVATION C
3/8" = 1'-0"



2 KITCHEN - ELEVATION B
3/8" = 1'-0"



1 KITCHEN - ELEVATION A
3/8" = 1'-0"

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INTERIOR
ELEVATIONS

A201



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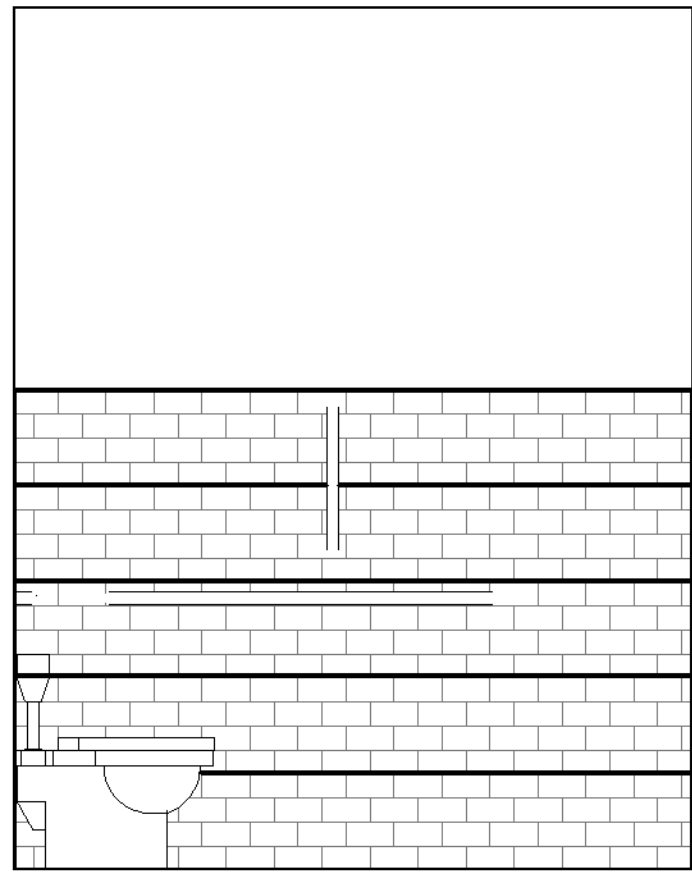
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ENLARGED
PLANS -
RESTROOMS

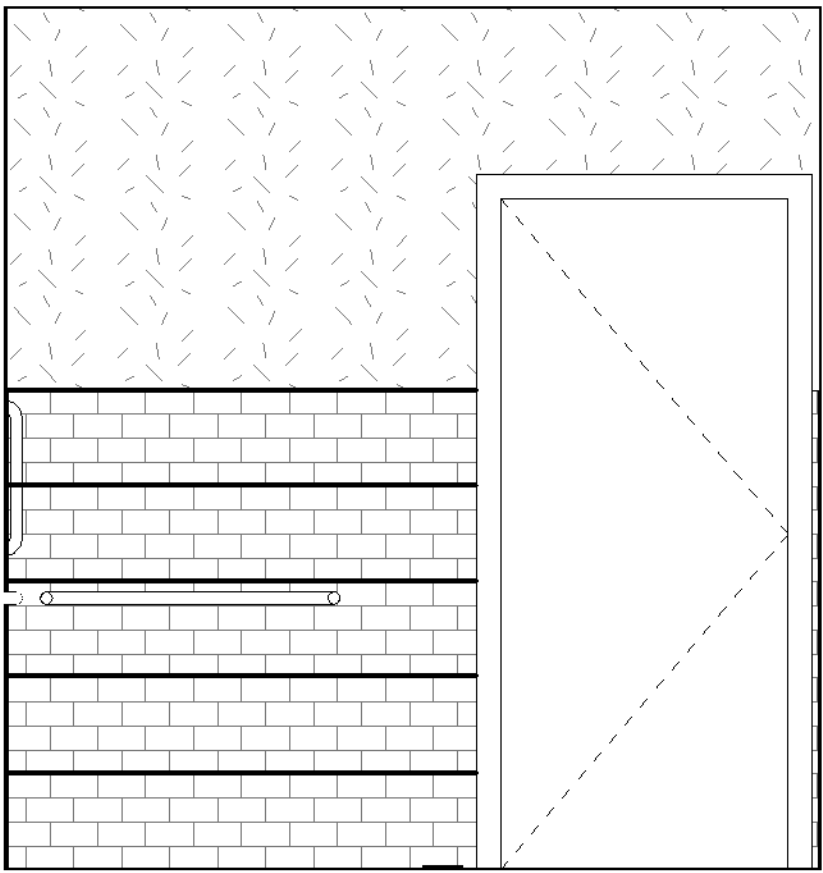
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Scale

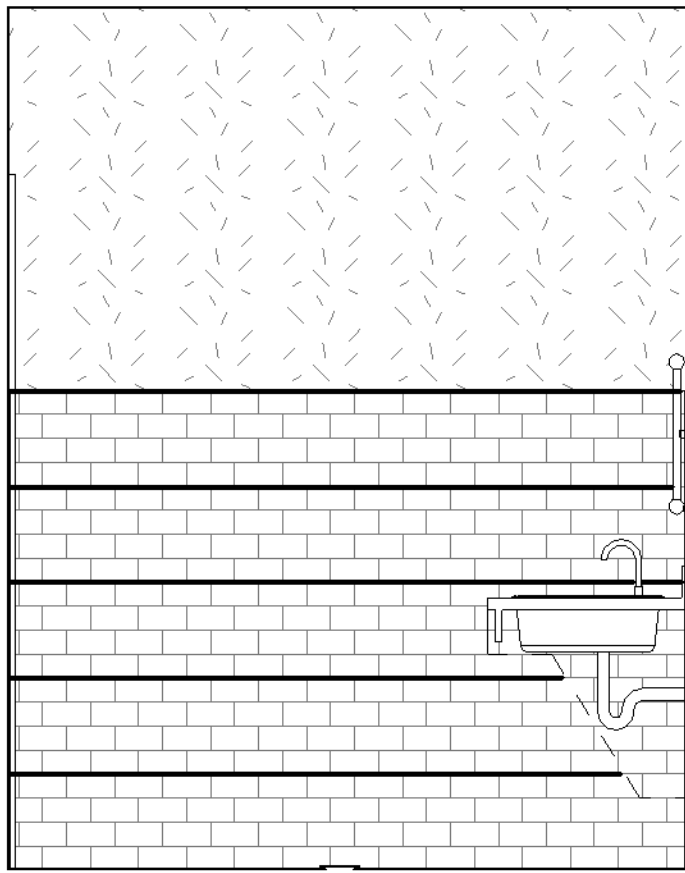
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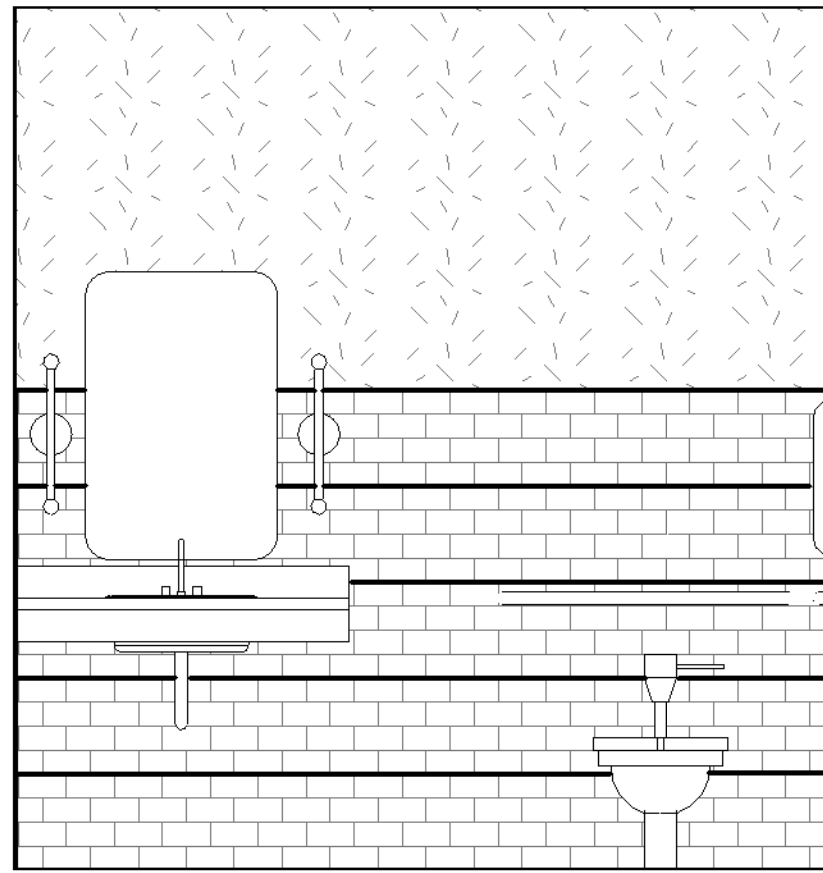
9 RESTROOM 104 - ELEVATION D
1/2" = 1'-0"



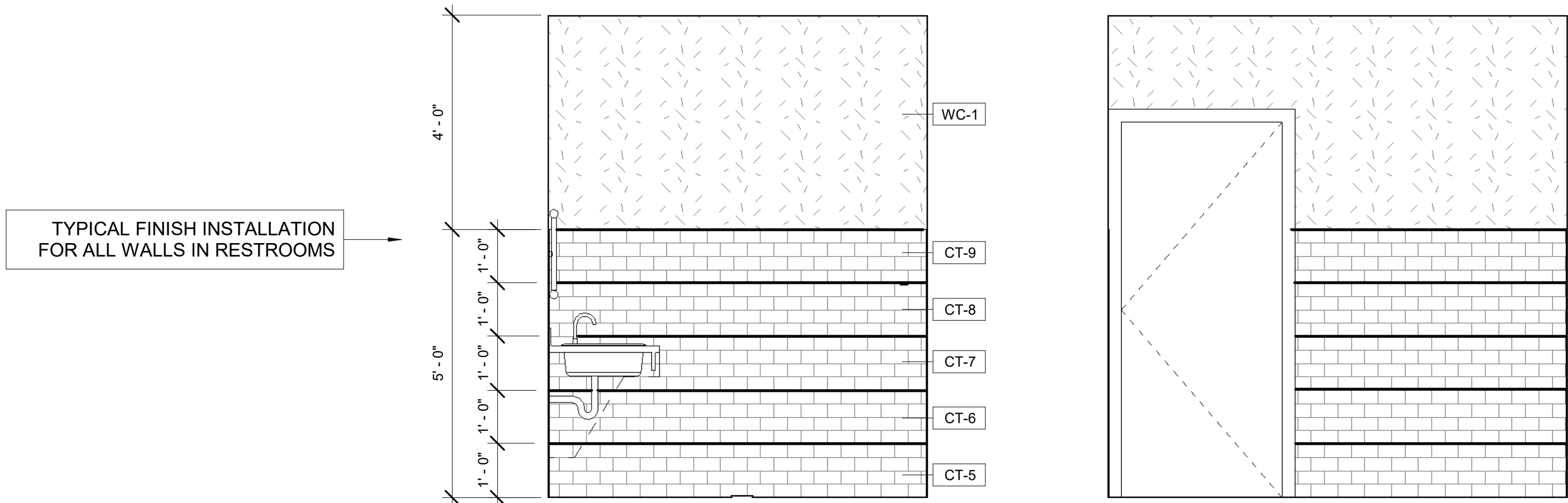
8 RESTROOM 104 - ELEVATION C
1/2" = 1'-0"



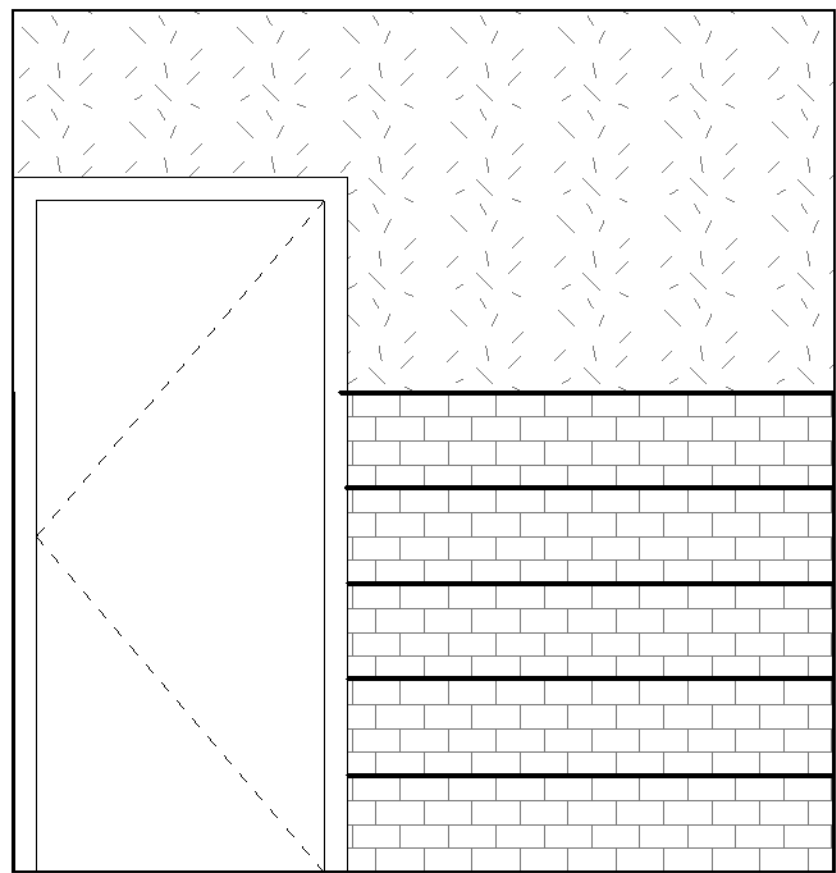
7 RESTROOM 104 - ELEVATION B
1/2" = 1'-0"



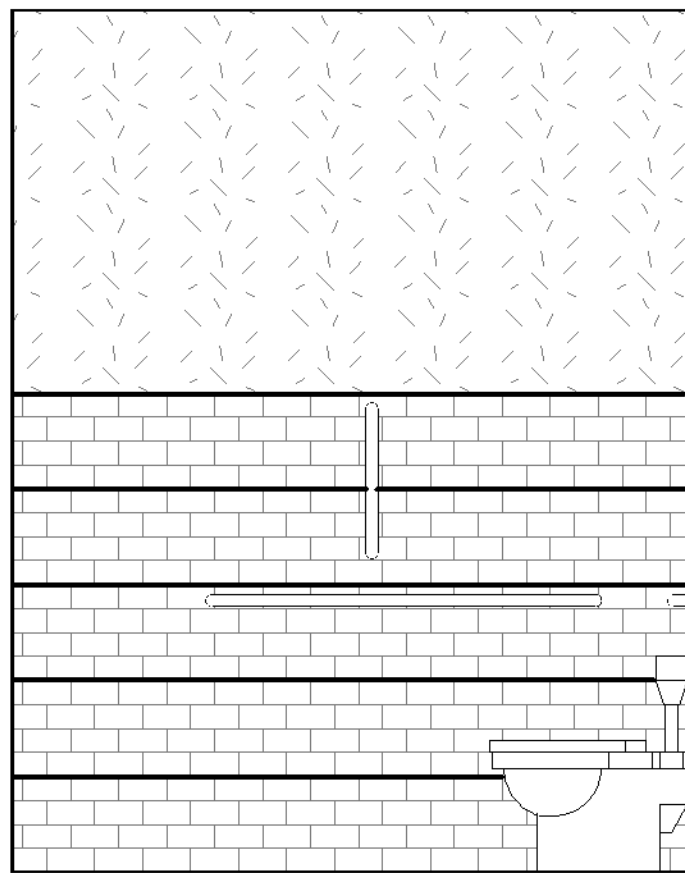
6 RESTROOM 104 - ELEVATION A
1/2" = 1'-0"



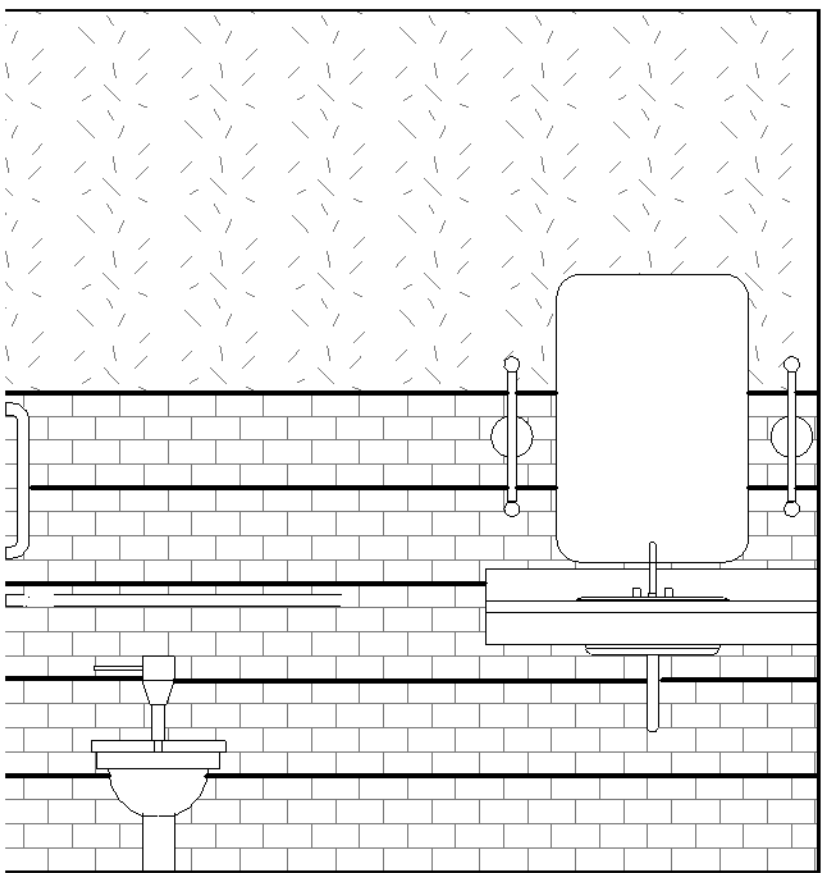
5 RESTROOM 103 - ELEVATION D
1/2" = 1'-0"



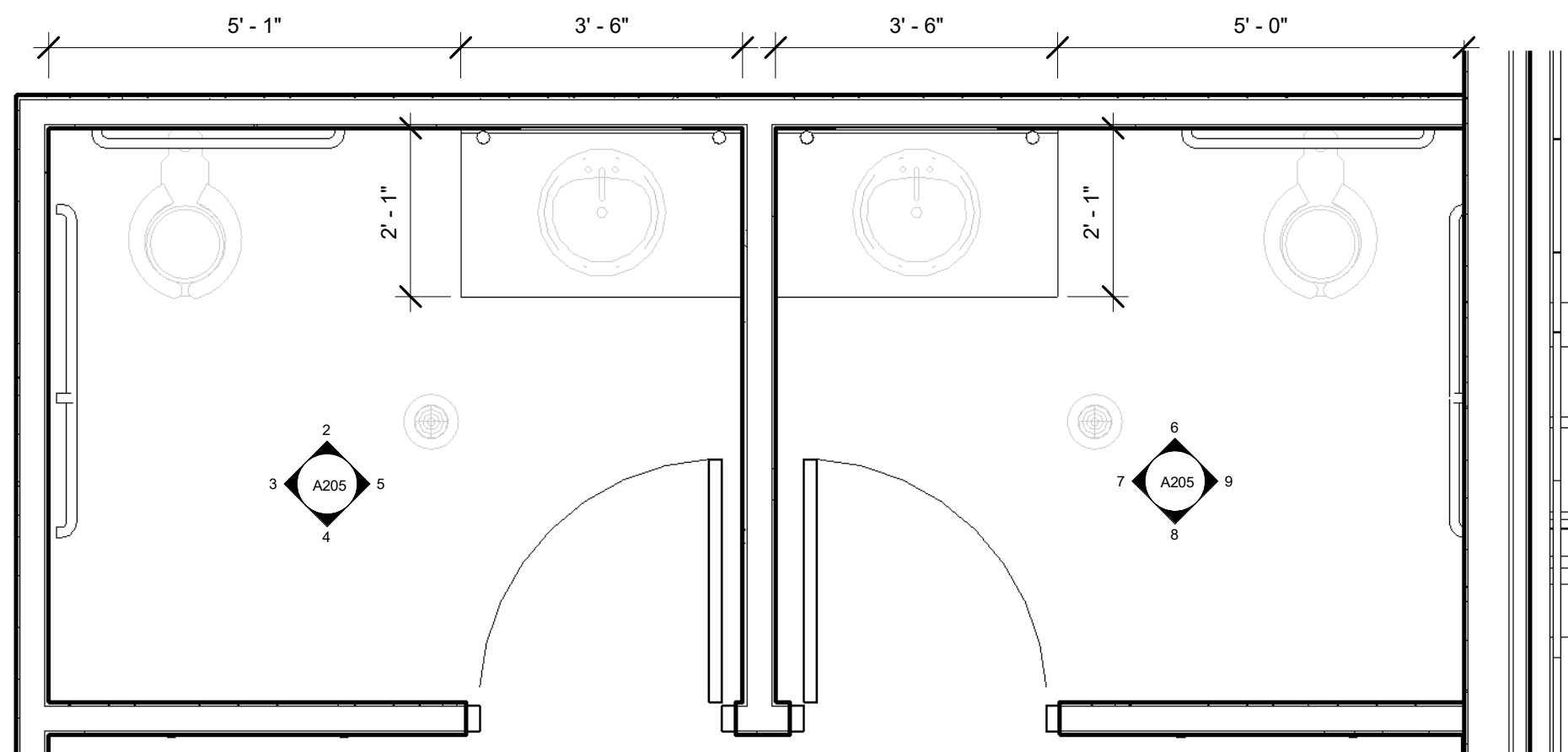
4 RESTROOM 103 - ELEVATION C
1/2" = 1'-0"



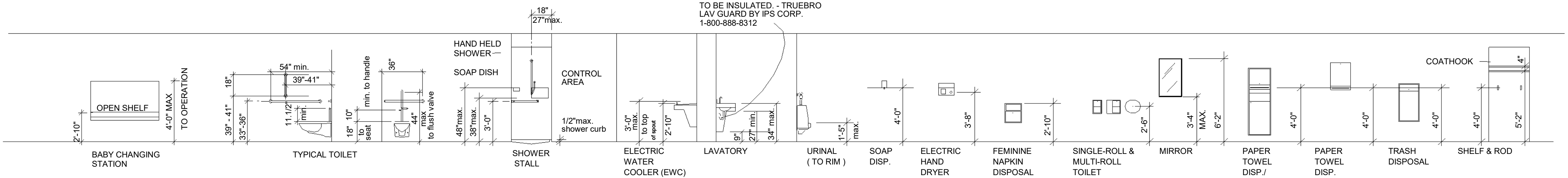
3 RESTROOM 103 - ELEVATION B
1/2" = 1'-0"



2 RESTROOM 103 - ELEVATION A
1/2" = 1'-0"



1 RESTROOMS - PLAN
1/2" = 1'-0"



0 RESTROOM ACCESSORIES - HEIGHTS
12" = 1'-0"

NOTE: DRAIN & WATER LINES
TO BE INSULATED. - TRUEBRO
LAV GUARD BY IPS CORP.
1-800-888-8312



KEYSTONE VENTURES

REAL ESTATE DEVELOPMENT
PRESENTS

19781 CRAWFORD AVE
FLOSSMOOR, IL 60422

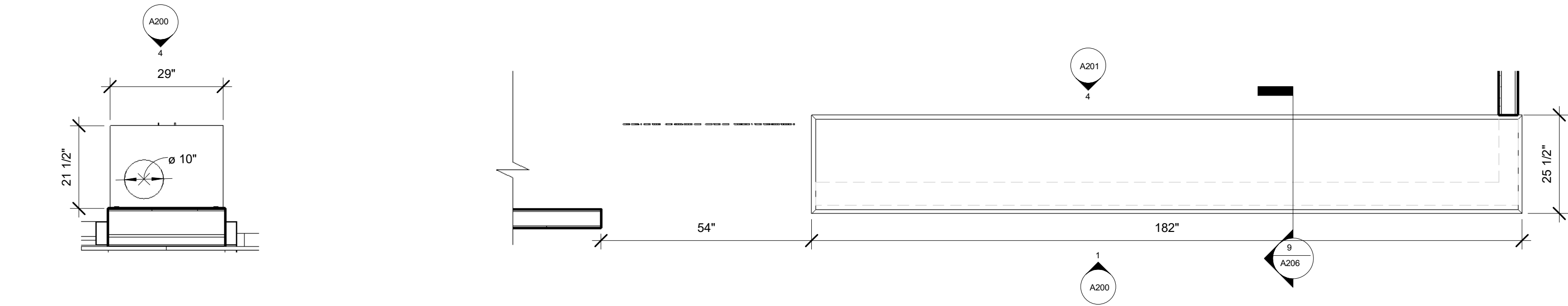
No.	Description	Date
1	IFPermit	08/30/2023

ENLARGED
PLANS -
MILLWORK

A206

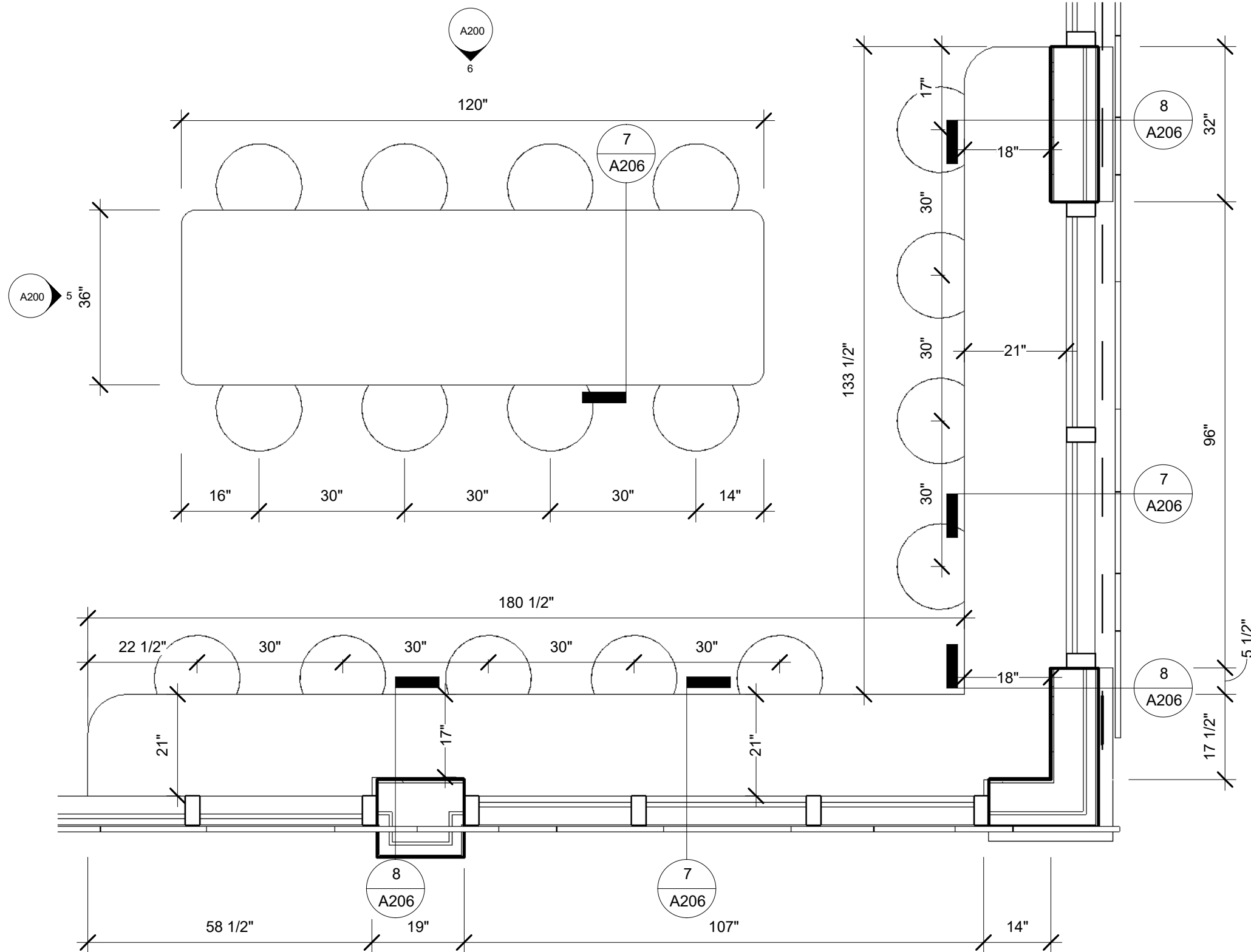
Scale

As indicated

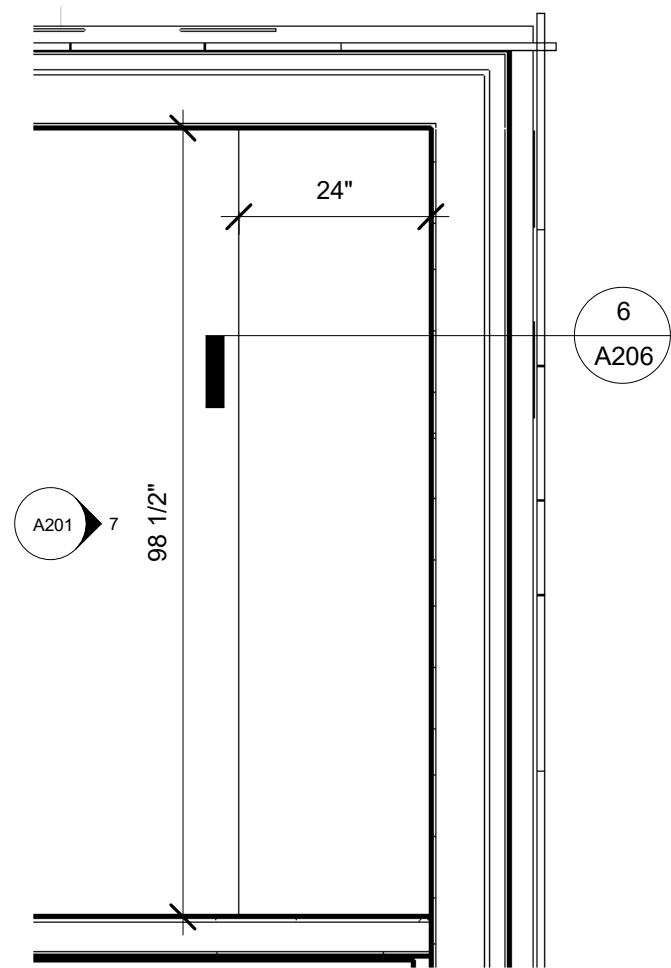


11 NAPKINS, WASTE COUNTER - PLAN
1/2" = 1'-0"

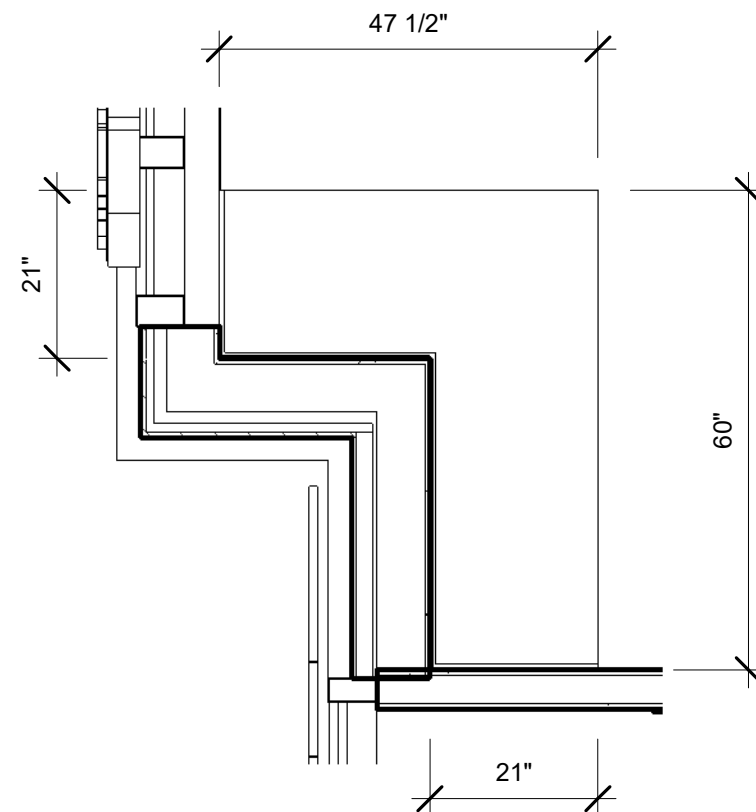
2 FRONT COUNTER - PLAN
1/2" = 1'-0"



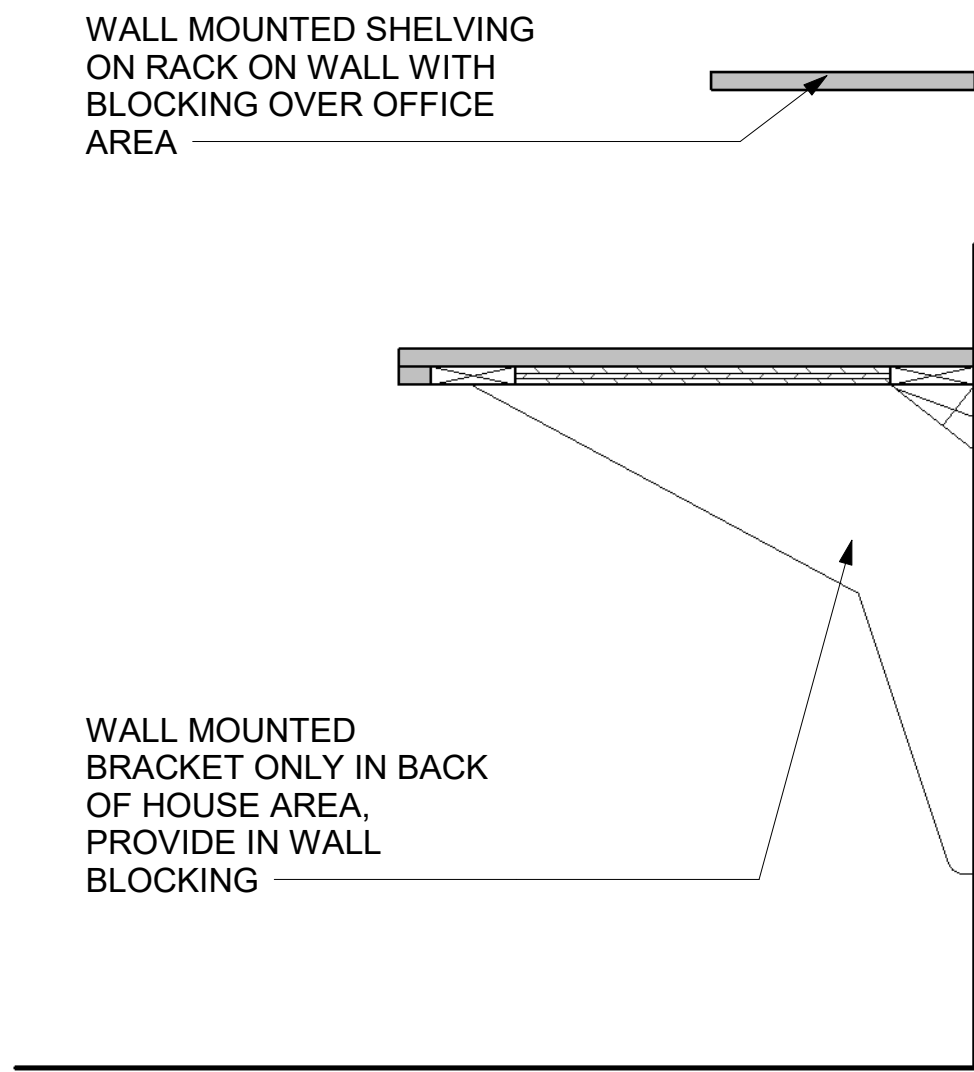
3 DINING SEATING - PLAN
1/2" = 1'-0"



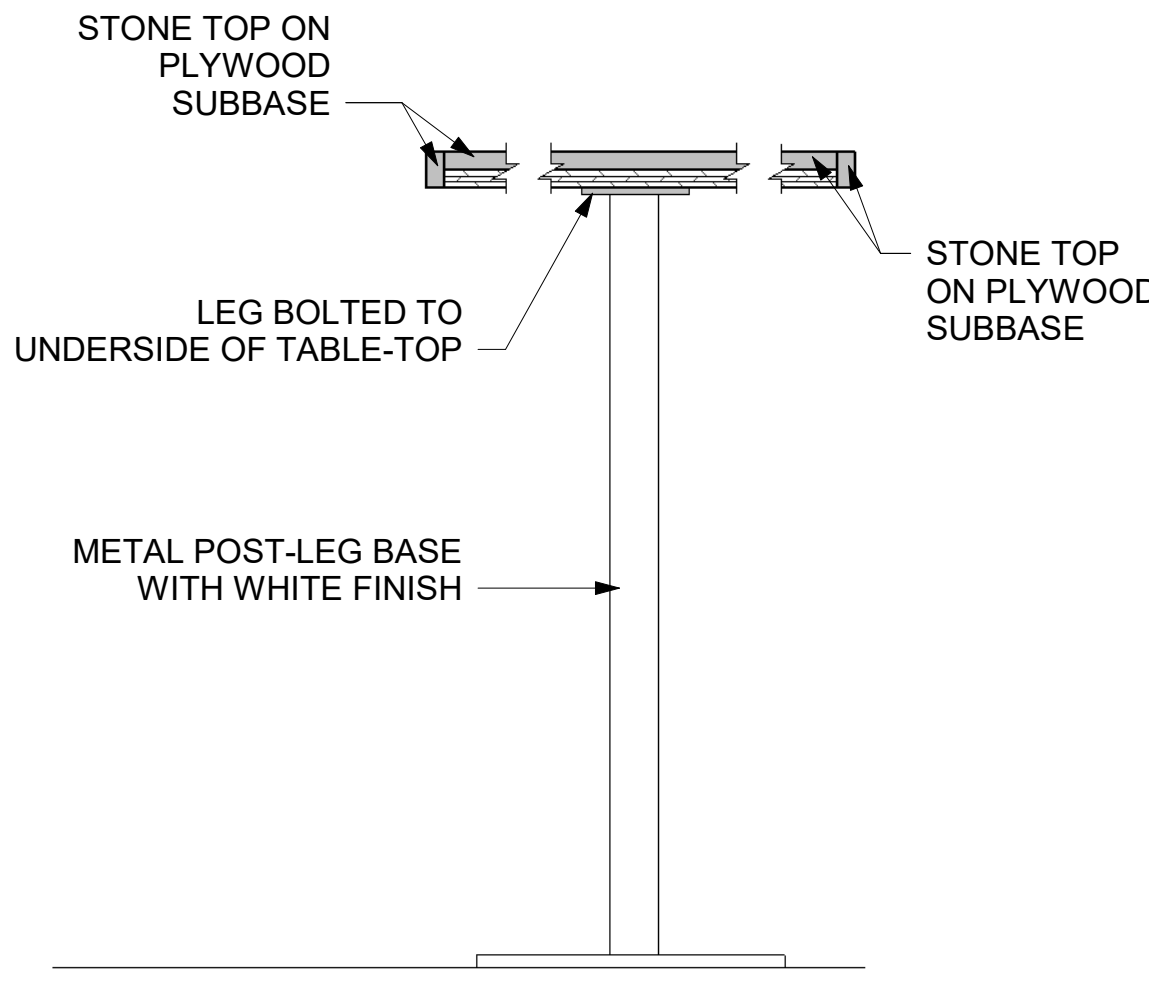
4 OFFICE COUNTERTOP - PLAN
1/2" = 1'-0"



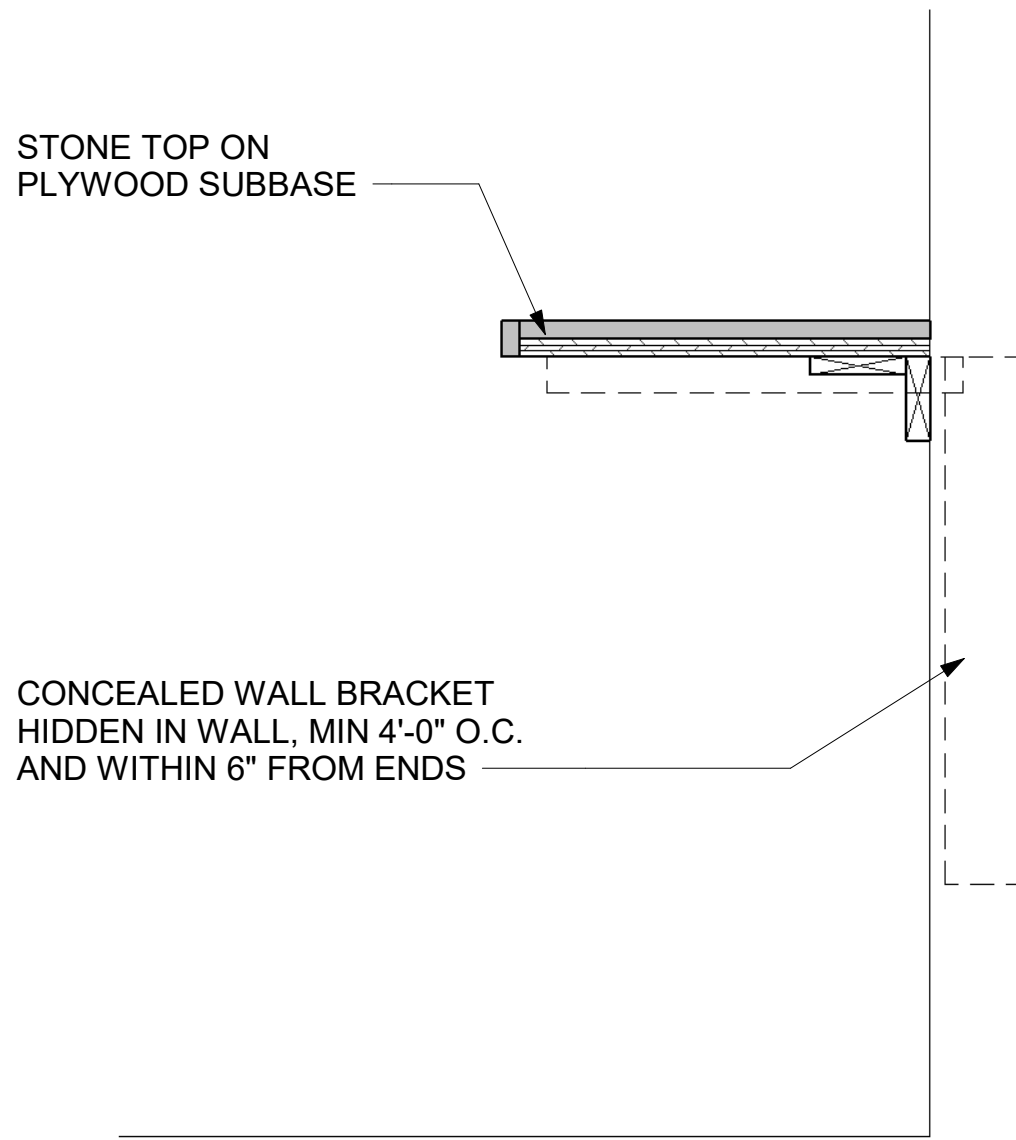
5 DRIVE THROUGH CORNER COUNTERTOP - PLAN
1/2" = 1'-0"



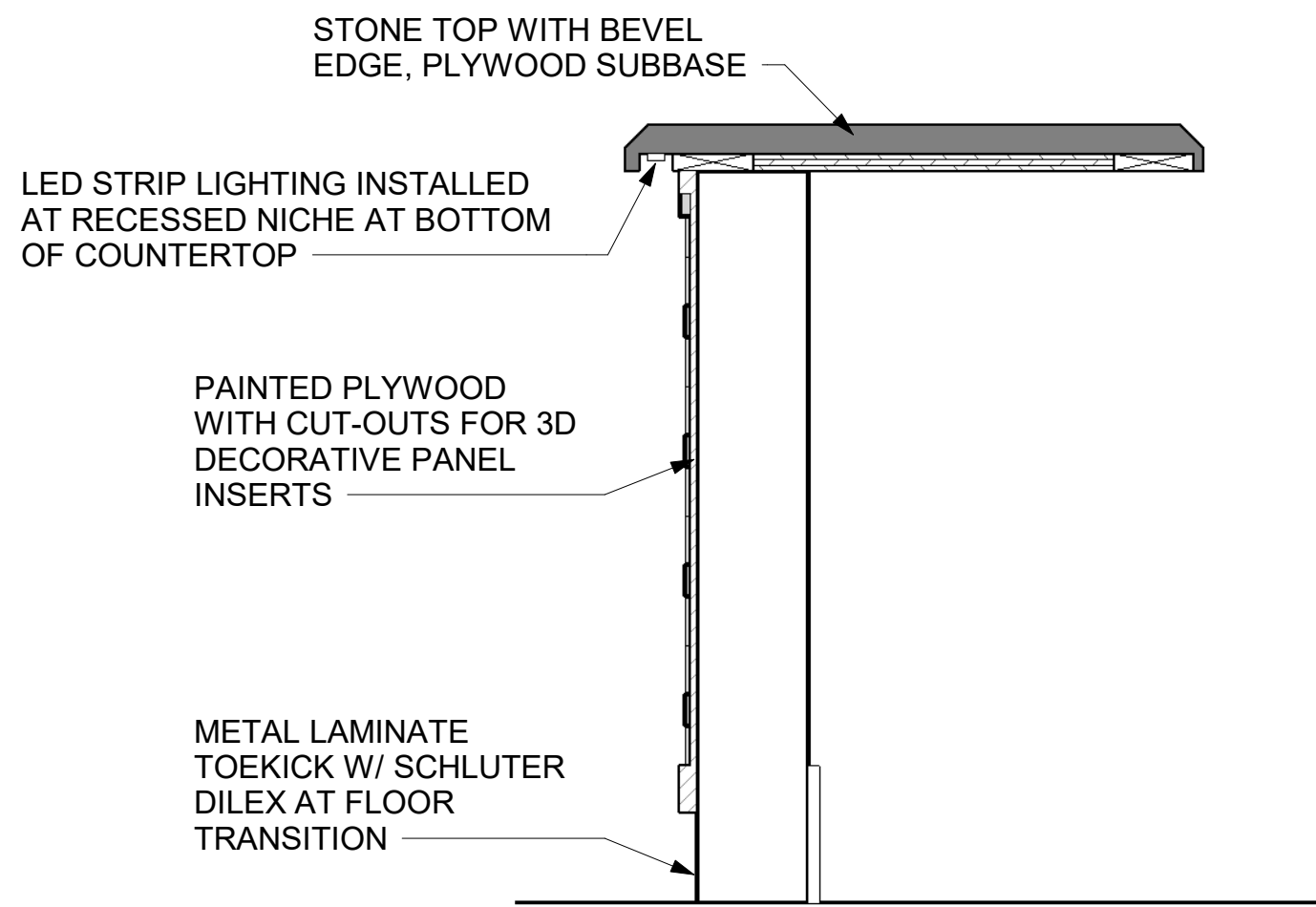
6 BACK OF HOUSE OFFICE COUNTER
1 1/2" = 1'-0"



7 DINING - POST LEG SUPPORT
1 1/2" = 1'-0"

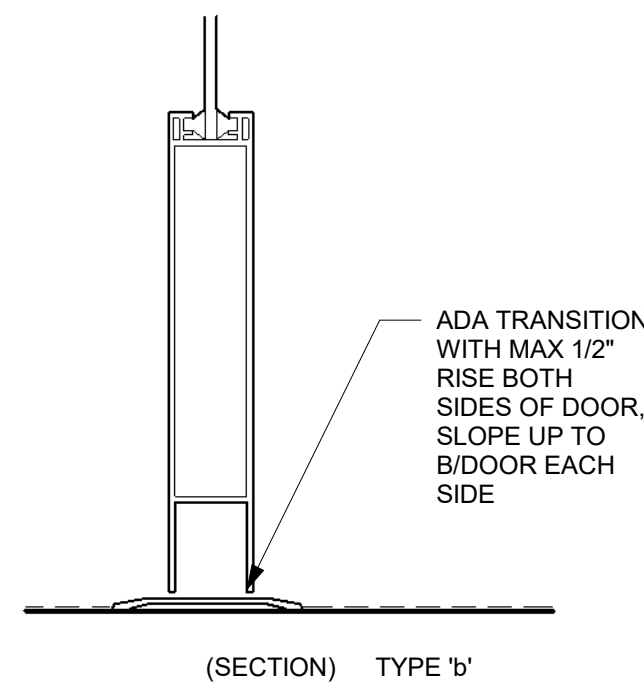
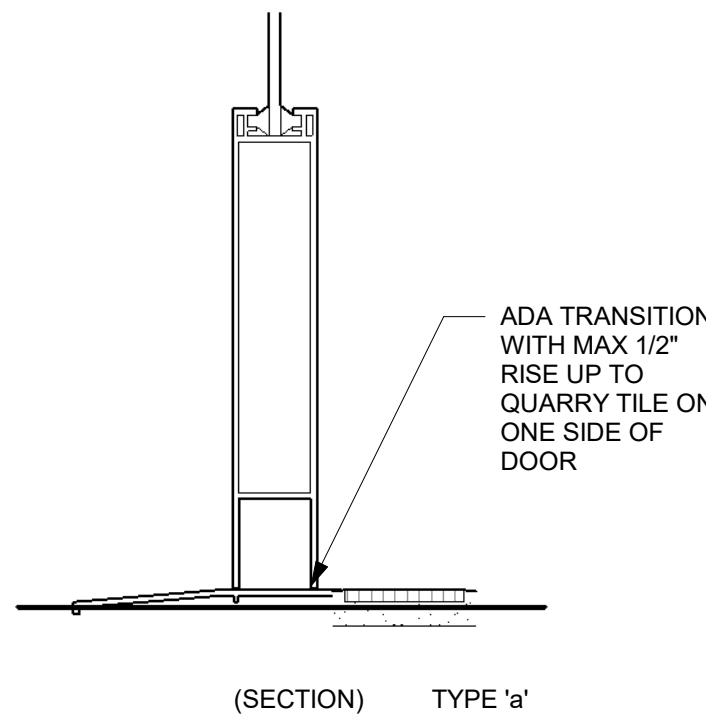
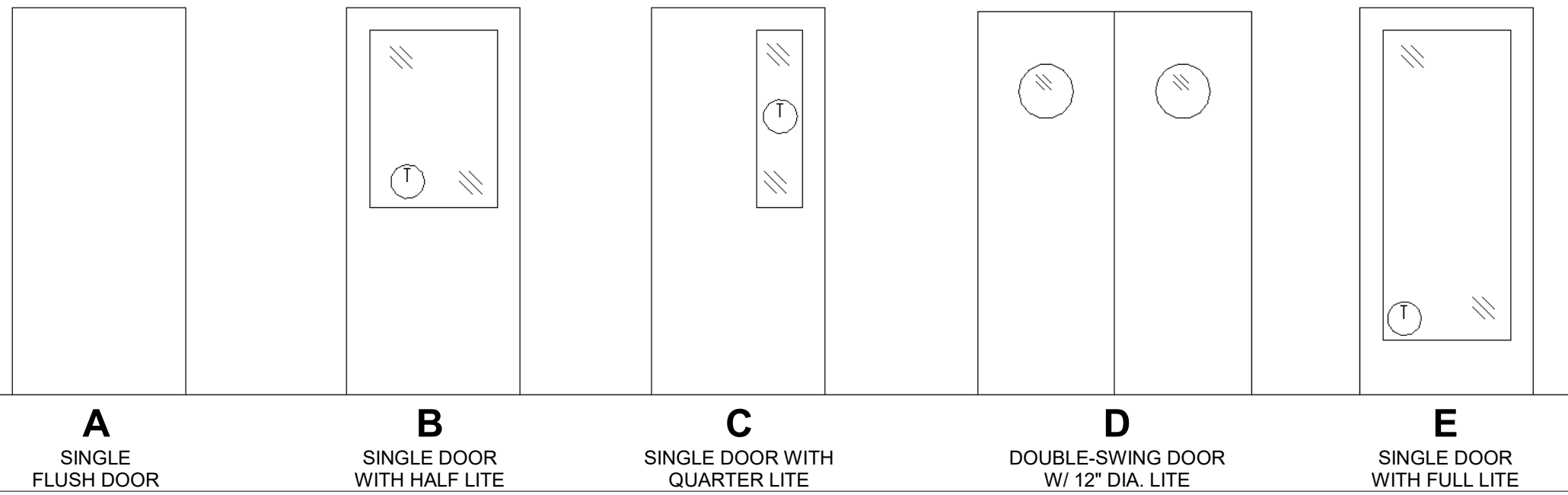


8 DINING - WALL BRACKET SUPPORT
1 1/2" = 1'-0"



9 FRONT COUNTER
1 1/2" = 1'-0"

DOOR TYPES

WOOD DOOR STAIN: **MASONITE CENDURA WHITE OAK PLAIN SLICED, STAIN: CLEAR**DOOR HARDWARE (HANDLES, PUSH/PULL PLATES, HINGES, KICKPLATES) FINISH: **SATIN BRASS**

SEE A131 FOR FLOOR TYPE ON EACH SIDE OF DOOR

DOOR TAG

REFER TO DOOR ELEVATIONS → **A-01** → REFER TO HARDWARE SCHEDULE
 DOOR SIZE → **3'-0\"X7'-0"**
 DOOR MATERIAL → **WD, HM** → DOOR FRAME MATERIAL

REFER TO WALL FINISH PLAN FOR COLORS

0'-5" DENOTES WALL THICKNESS, THROAT SIZE BY VENDOR

STANDARD THROAT SIZES FOR 4-7/8" INTERIOR WALLS, UNLESS NOTED OTHERWISE, ON PLAN

HARDWARE SCHEDULE

HARDWARE SET 01 - EXTERIOR STOREFRONT

- HAGER OR EQ. CONTINUOUS COMMERCIAL HINGE
- ALUM. 1/2" HT MAX. ADA
- TEA LCN 4040P SURFACE MOUNTED CLOSER, MATCH FRAME FINISH. PROVIDE IN STOREFRONT PACKAGE S-CUSH ARM
- ADAMS-RITE DEADLATCH WITH 49H PADDLE, ROCKWOOD OR EQ. SOLID DOUBLE (2) 1" DIA. PUSH BARS @ EXTERIOR, 1 EA. INTERCHANGEABLE CORE RIM CYLINDER, TEA ROCKWOOD BF 16447 PUSH/PULL SET
- ADAMS-RITE
- INTEGRAL TO FRAME
- STOREFRONT
- PER MNFR

HARDWARE SET 02

- HAGER TRB-210 HD OR EQ. CONTINUOUS COMMERCIAL HINGE
- LCN 4111, MATCH FRAME FINISH, PROVIDE IN STOREFRONT PACKAGE S-CUSH ARM, TEA LCN 4111 SURFACE MOUNTED CLOSER
- ROCKWOOD OR EQ. SOLID DOUBLE (2) 1" DIA. PUSH BARS @ EXTERIOR AND INTERIOR (NO LOCK) FINISH TO MATCH DOOR FRAME, TEA ROCKWOOD BF 16447 PUSH/PULL SET
- BY OWNER
- INTEGRAL TO FRAME
- STOREFRONT
- PER MNFR

HARDWARE SET 03 - RESTROOMS

- MONKEYN'S KNUCKLE BALL BEARING - MP970, 4-1/2" X 4-1/2"
- NORTON 410XTPN NON-HOLD OPEN, TRIP PACKED
- PUSH, ROCKWOOD 70C-RKW, ST. STL. US32D316, 4 X 16 STANDARD, 1/5" THICK
- PULL, ROCKWOOD SS 107 X 70C, 4X16, US32D330
- 1/2" H SS BOTH SIDES, US32D380
- ROCKWOOD 406 CONVEY WROUGHT WALL STOP, US32D330 FINISH
- ROCKWOOD KICKPLATE K1050, US32D330

HARDWARE SET 04 - ELECTRICAL ROOM

- HAGER OR EQ. CONTINUOUS COMMERCIAL HINGE, NON REMOVABLE PINS, US26D
- 1/2" MAX ALUM ADA, EXTEND BOTH SIDES TO CONCRETE
- EXT. SURFACE MOUNTED CLOSER LCN 4111, METAL COVER US26D S-CUSH ARM, 18" KICKPLATE
- YALE PANDA BAR AND LEVER, (110X20V) SERIES WIDE STYLE, 830 SATIN STAINLESS STEEL, THUMB TURN CYLINDER DOGGING OPTIONAL
- SCHLAGE - C KEYWAY, STOREROOM
- CLOSER WITHOUT HOLD OPEN NORTON 410 X CPS X 889
- ADAMS-RITE MAXIMUM SECURITY CYLINDER LOCK, PROVIDE GUARD PLAT ENTRY FUNCTION
- WEATHERSTRIPPING ALL SIDES, HAGER 810SDC40 OVERHEAD RAIN DRIP

HARDWARE SET 05

- HAGER OR EQ. CONTINUOUS COMMERCIAL HINGE, NON REMOVABLE PINS, US26D
- 1/2" MAX ALUM ADA, EXTEND BOTH SIDES TO CONCRETE
- NORTON 410XTPN CLOSER OR SIM. HOLD OPEN, METAL COVER US26D, HSH ARM WITH STOP PIN, REGULAR MOUNTING
- YALE 800 PANDA BAR (110X20V) 1/2" WIDE STYLE
- THUMB TURN CYLINDER DOGGING OPTIONAL
- 636 SATIN STAINLESS STEEL
- LEVER 620P/650P, ESCHUCHEON (NOT ROSE), AUGUSTA AU LEVER
- ROCKWOOD KICKPLATE K1125 DIA., 125 ALUMINUM
- WEATHER STRIPPING ALL SIDE, RUBBER SWEEP, DROP CAP
- HAGER 4105 THRESHOLD, HALF SADDLE THRESHOLD, MATCH THRESHOLD WIDTH TO FRAME (WIDTH AND THROAT)
- WEATHERSTRIPPING ALL SIDES, HAGER 810SDC40 OVERHEAD RAIN DRIP

HARDWARE SET 06 - MASON DOUBLE SWING DOOR

- TOP AND BOTTOM PIVOTS PER MNFR
- PER MNFR, FLAT PLATE EACH SIDE
- 3/8" H SS EACH SIDE
- PER MNFR, CIRCULAR

HARDWARE SET 08 - EXTERIOR DOOR

- HAGER OR EQ. CONTINUOUS COMMERCIAL HINGE, NON REMOVABLE PINS, US26D
- 1/2" MAX ALUM ADA, EXTEND BOTH SIDES TO CONCRETE
- NORTON 410XTPN CLOSER WITH HOLD OPEN AND SPRING BUFFER
- US26D S-CUSH ARM, 18" KICKPLATE
- CLOSER WITHOUT HOLD OPEN NORTON 410 X CPS X 889
- ADAMS-RITE MAXIMUM SECURITY CYLINDER LOCK, PROVIDE GUARD PLAT ENTRY FUNCTION
- WEATHERSTRIPPING ALL SIDES, HAGER 810SDC40 OVERHEAD RAIN DRIP

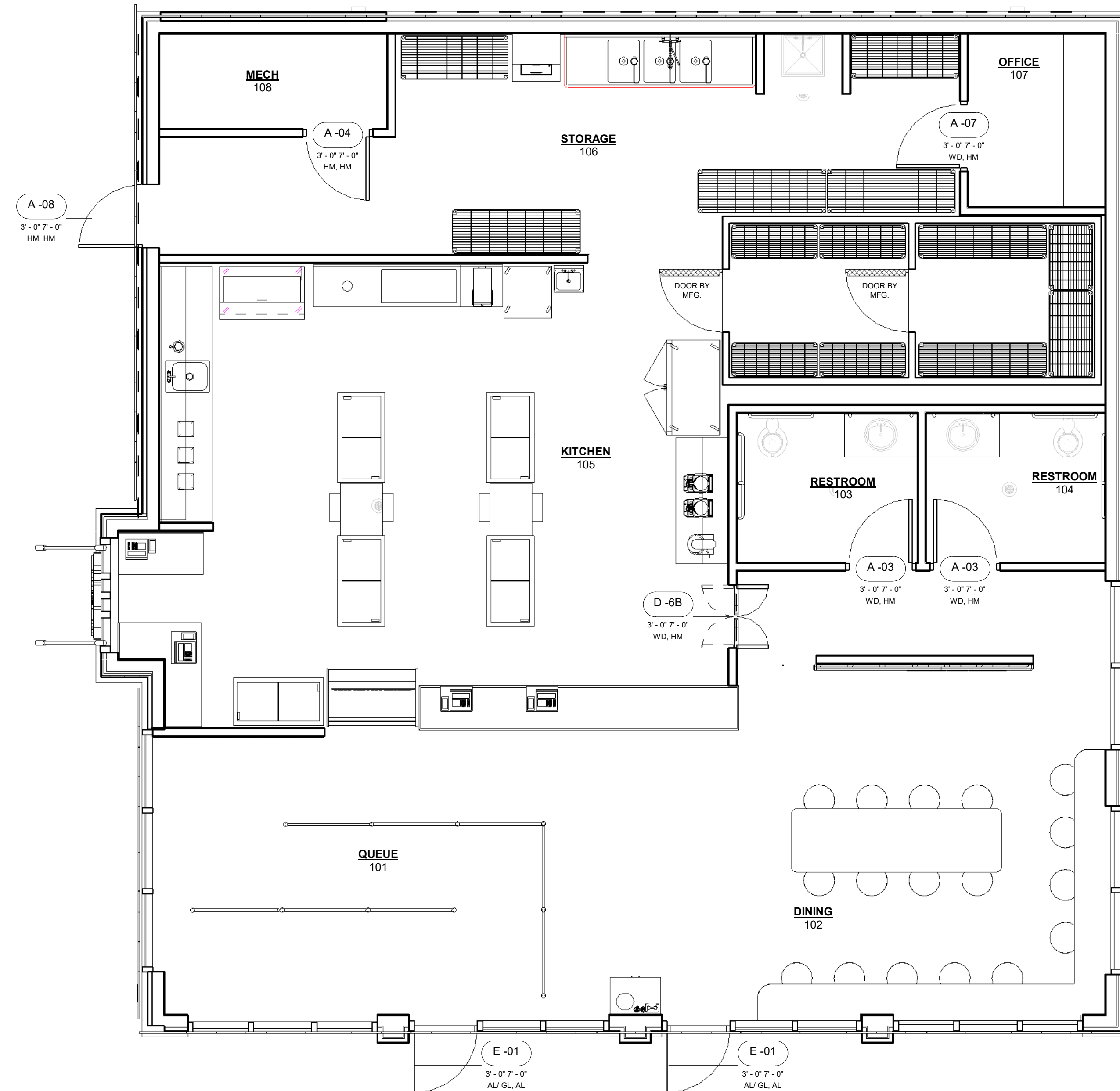
HARDWARE SET 07 - OFFICE

- 1-1/2" PR. ST. STL. 5 KNUCKLE BALL BEARING, 4-1/2" X 4-1/2"
- NON-REMOVABLE PINS
- YALE 470LN LEVER AND LOCKSET, INTERCHANGEABLE CORE SPEC. 636 FINISH
- NORTON 410XTPN889 CLOSER
- AUGUSTA AU LEVER
- ENTRY FUNCTION 470LN (F109)
- FAMB DEADLOCK AND LATCH BOLT
- ROCKWOOD 406 CONCAVE WROUGHT WALL STOP, US32D330 FINISH
- 1/4" CLEAR WIRED GLASS, HALF-LITE
- OFFICE

GENERAL DOOR NOTES

1. ALL DOORS USED IN CONNECTION WITH EXITS SHALL BE SO ARRANGED AS TO BE READILY OPENED WITH OUT THE USE OF A KEY FROM THE SIDE FROM WHICH EGRESS IS MADE.
2. BASIC ITEMS ONLY ARE SPECIFIED. HARDWARE CONTRACTOR SHALL FURNISH ALL ITEMS NECESSARY BRACKETS, MOUNTING PLATES, ETC) FOR A COMPLETE FUNCTIONAL NSTALLATION
3. ALL HARDWARE SHALL BE COMMERCIAL GRADE, HEAVY DUTY OF THE FINISH INDICATED (OR ARCHITECT APPROVED ALTERNATE)
4. ANY DEVICES OR ALARMS INSTALLED TO RESTRICT THE IMPROPER USE OF EXITS SHALL BE SO DESIGNED AND INSTALLED SO THAT THEY CANNOT, EVEN IN CASE OF FAILURE, IMPEDE OR PREVENT EMERGENCY USE OF SUCH EXITS. ALL HARDWARE FINISHES ARE TO MATCH THE FINISH OF THE DOOR LOCKSET UNLESS OTHERWISE NOTED.
5. WOOD BLOCKING IS TO BE PROVIDED WITHIN THE PARTITION AT ALL DOOR STOP LOCATIONS
6. ALL CYLINDER HOUSINGS TO ACCEPT MEDECO CYLINDERS. EXISTING HARDWARE TO BE MODIFIED AS REQUIRED TO ACCEPT MEDECO CYLINDERS.
7. ALL CLOSERS TO BE THRU-BOLTED OR SEXBOLTED WITH LOCKTITE APPLIED
8. ALL HOLLOW METAL FRAMES TO BE GALVANIZED, WELDED AND GROUND SMOOTH
9. ALL HOLLOW METAL DOOR SEAMS TO BE FILLED AND GROUND SMOOTH
10. PROVIDE SEALED (WELDED) DOOR CAPS FOR TOPS AND BOTTOMS OF ALL HOLLOW METAL DOORS
11. ALL INSULATED DOORS TO HAVE POLYURETHANE FOAM INSULATION
12. DOORS TO BE GALVANIZED AND VERTICALLY STIFFENED, ALL SEAMS TO BE WELDED, NO BONDO
13. ALL WOOD DOORS TO BE 134" SOLID ENGINEERED WOOD CORE WITH PLAIN SLICED VENEER TBD. ALL DOORS TO BE PRE-MACHINED AND PRE- FINISHED.
14. ALL DOORS AND FRAMES SCHEDULED TO RECEIVE CLOSERS SHALL BE REINFORCED FOR THE CLOSERS.

IECC REQUIRED R-VALUES OR U-VALUES
 -OPAQUE DOORS - SWINGING 0.37 U-VALUE
 -ENTRANCE DOORS WITH FENESTRATION - 0.77 U-VALUE

DOOR THRESHOLD DETAILS
3" = 1'-0"WOOD DOOR STAIN: **MASONITE CENDURA WHITE OAK PLAIN SLICED, STAIN: CLEAR**DOOR HARDWARE (HANDLES, PUSH/PULL PLATES, HINGES, KICKPLATES) FINISH: **SATIN BRASS**DOOR PLAN
1/4" = 1'-0"

No.	Description	Date
	IFPermit	08/30/2023

DOOR
SPECIFICATIONS

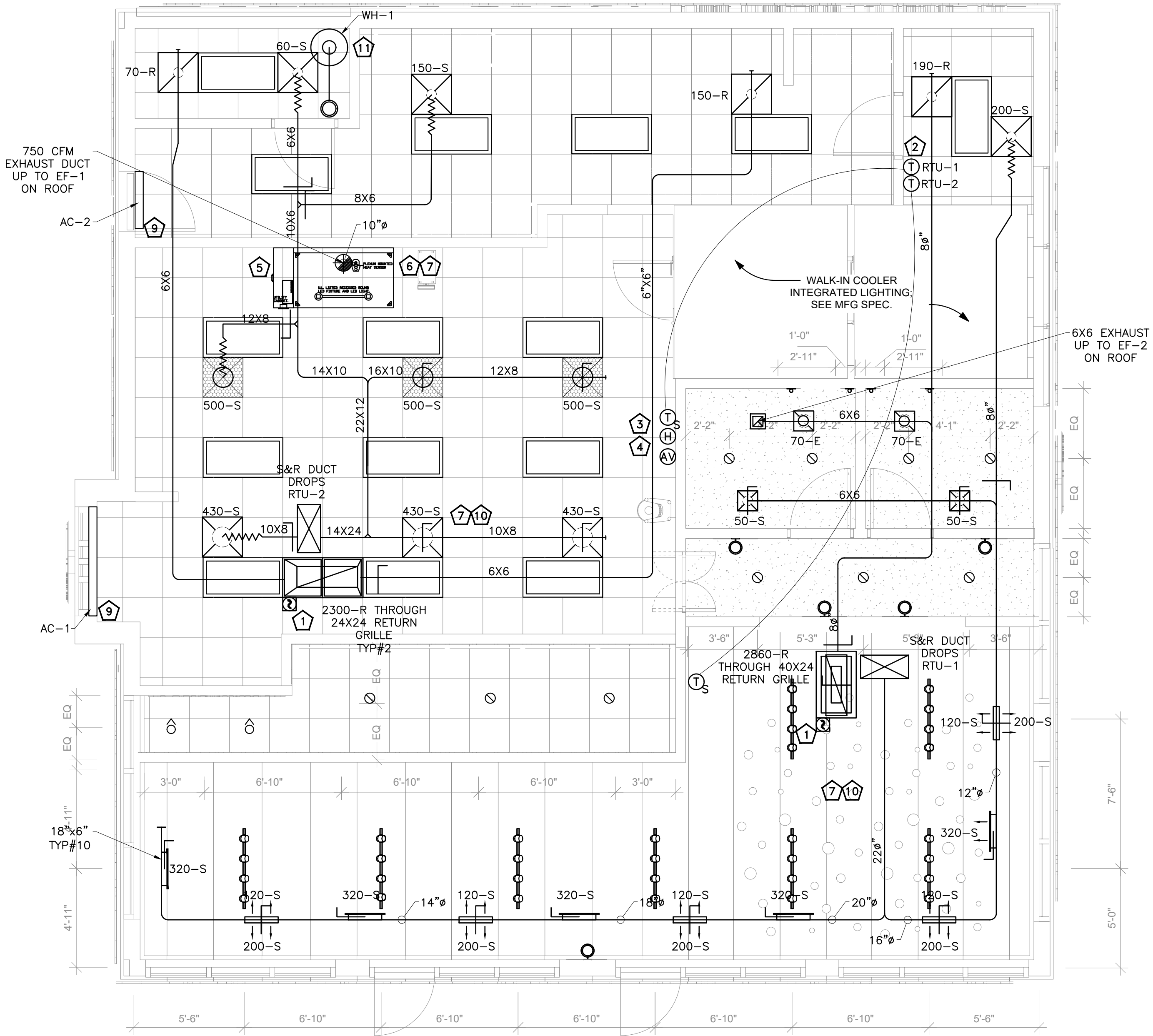
A351



Scale

As indicated

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GENERAL FLOOR PLAN NOTES:

1. ALL WORK SHALL COMPLY WITH ALL LOCAL AND STATE CODES AND AUTHORITIES HAVING JURISDICTION.
2. THE CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND ARRANGE ALL REQUIRED INSPECTIONS.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS AND TRADES.
4. THESE DRAWINGS, AS PREPARED, ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS CONSTRUCTION OF THE PROJECT AND THE WORK OF THE TRADES WILL PERMIT. EQUIPMENT LOCATIONS INDICATED ARE APPROXIMATE. COORDINATE EXACT LOCATIONS AND REQUIRED CLEARANCES WITH EQUIPMENT SUPPLIER AND ALL TRADES PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE EQUIPMENT INDICATED WITHIN THE MECHANICAL DRAWINGS UNLESS OTHERWISE NOTED. ALL EQUIPMENT SHALL BE UL LISTED. VERIFY LOCATION AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND / OR INSTALLATION.
6. DUCT SIZES SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS.
7. ALL METAL DUCT AND AIR DISTRIBUTION DEVICES SHALL BE INSULATED WITH R-6, 75 DENSITY FOIL-BACKED INSULATION WITH FIRE AND SMOKE RATING 25-50.
8. ALL DUCTWORK SHALL BE FABRICATED, INSTALLED, SEALED, AND INSULATED PER THE LATEST ISSUE OF SMACNA LOW-VELOCITY DUCT MANUAL.
9. THE CONTRACTOR SHALL COORDINATE DIFFUSER LOCATIONS ON SITE WITH THE MOST RECENT REFLECTED CEILING PLAN.
10. THE CONTRACTOR IS TO MAKE ALL LOW-VOLTAGE WIRING CONNECTIONS FOR ALL HVAC EQUIPMENT INCLUDING TEMPERATURE CONTROLS, ROOF TOP UNITS, SMOKE DETECTORS AND CONTACTOR PANEL.
11. PROVIDE AND INSTALL SMOKE DUCT DETECTORS IN EACH AIR CONDITIONING UNIT RETURN DUCT GREATER THAN 2000 CFM. CONTRACTOR SHALL PROVIDE INTERCONNECTION AND WIRE TO THE FIRE ALARM CONTROL PANEL IF REQUIRED. DUCT DETECTORS SHALL HAVE REMOTE TEST STATIONS LOCATED NEAR THE RESPECTIVE THERMOSTATS. VERIFY CODE REQUIREMENTS FOR DUCT DETECTORS IN BOTH THE SUPPLY AND RETURN AIR STREAMS.
12. THE ENTIRE INSTALLATION SHALL BE GUARANTEED FREE OF DEFECTS AND CONTRACTOR SHALL REPAIR AND / OR REPLACE ANY DEFECTIVE MATERIALS OR EQUIPMENT AT NO COST TO THE OWNER FOR A MINIMUM PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE BY ARCHITECT OR ENGINEER.
13. ALL WORK SHALL BE SUBJECT TO THE ACCEPTANCE AND APPROVAL OF THE ARCHITECT AND OWNER. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE OF PROPER NOTIFICATION DOES NOT RELIEVE THE CONTRACTOR. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE TO COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.
14. THE CONTRACTOR SHALL, UPON COMPLETION OF PROJECT, PERFORM A COMPLETE TEST AND BALANCE OF ALL EQUIPMENT. PROVIDE A WRITTEN REPORT TO THE ARCHITECT. ALL CAPACITIES MUST BE SET TO WITHIN ±10% OF AMOUNTS INDICATED ON THE FLOOR PLAN AND SCHEDULES.
15. PROVIDE FIRE OR FIRE+SMOKE DAMPER WHEREVER DUCTS ARE CROSSING FIRE/SMOKE RATED WALLS/ BARRIERS AS PER LOCAL CODE. COORDINATE WITH ARCHITECTURAL DRAWING FOR FIRE RATING OF THE WALLS.
16. PROVIDE VOLUME DAMPER AT EACH SUPPLY, RETURN AND EXHAUST DUCTWORK BRANCH.
17. PROVIDE CORD-OPERATED DAMPERS IN INACCESSIBLE CEILINGS.

MECHANICAL FLOOR PLAN KEY NOTES

- 1 PROVIDE DUCT MOUNTED SMOKE DETECTOR. TIE IN AUDIO-VISUAL ANNUNCIATOR. UPON DETECTION OF SMOKE, ROOFTOP UNIT SHALL SHUT DOWN AND ACTIVATE ALARM. COORDINATE INSTALLATION LOCATION WITH ACCESS REQUIREMENTS.
- 2 PROVIDE T-2900 PROGRAMMABLE THERMOSTAT WITH LOCKING COVER. MOUNT T-STATS 42" A.F.F. IN MANAGERS OFFICE ABOVE DESK AND BELOW CABINET. SEAL WALL OPENINGS WITH CAULK.
- 3 PROVIDE REMOTE SENSOR 66" A.F.F. ON WALL NEAR LOCATION INDICATED THIS SHEET. AUDIO-VISUAL ANNUNCIATOR TIED INTO SMOKE DETECTOR. COORDINATE LOCATION ON SITE WITH G.C. AND EQUIPMENT. AVOID SOURCES OF HEAT. SEAL WALL OPENINGS WITH CAULK. PROVIDE THERMOSTATS IN MANAGERS AREA.
- 4 PROVIDE COMBINATION TEMPERATURE/HUMIDITY SENSOR. MOUNT SENSOR 48" ABOVE FINISHED FLOOR. HUMIDITY SENSOR SHALL OPERATE REFRIGERATION SYSTEM AND INITIATE HOT GAS REHEAT AS REQUIRED TO MAINTAIN SPACE HUMIDITY AT 55% RH.
- 5 INSTALL OWNER FURNISHED EXHAUST HOOD. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE TRAPEZE HANGERS FOR ALL THREAD SUPPORT UNDER DUCTWORK AS REQUIRED.
- 6 INSTALL OWNER FURNISHED UL-2221 LISTED DOUBLE-WALL GREASE DUCT, EQUAL TO FRANKE SYSTEMS MODEL FRDW-2R ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL FROM HOOD COLLAR EXHAUST FAN ON ROOF. INSTALL EXHAUST DUCT PER MANUFACTURER'S INSTRUCTIONS. PROVIDE CLEANOUTS AT EVERY CHANGE OF DIRECTION IN THE DUCT AND/OR EVERY 10 FEET WITH MINIMUM OF 3 FEET OF CLEARANCE IN FRONT OF CLEAN-OUT.
- 7 DUCT UP TO EQUIPMENT ON ROOF. REFER TO SHEET M2 FOR EQUIPMENT LOCATION.
- 8 PLUMBING CONTRACTOR SHALL PROVIDE COMBUSTION AIR FOR WATER HEATER. DISCHARGE SHALL BE MINIMUM 10 FEET FROM AIR INTAKES. OFFSET AND TRANSITION AT CONNECTIONS AS NEEDED. USE MANUFACTURERS RECOMMENDATIONS.
- 9 PROVIDE AIR CURTAIN. MOUNT UNIT ON WALL DIRECTLY ABOVE DOOR PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 10 EXTEND FULL SIZE SUPPLY & RETURN DUCTWORK FROM ROOFTOP UNITS TO SPACE. EXTEND AS SHOWN. ACOUSTICALLY LINE THE FIRST 10'-0" OF BOTH SUPPLY & RETURN MAIN DUCTS.
- 11 88" WATER HEATER FLUE/VENT UP TO ROOF. TERMINATE VENT AT LEAST 36" ABOVE ROOF. INSTALL AS PER MANUFACTURES RECOMMENDATIONS.

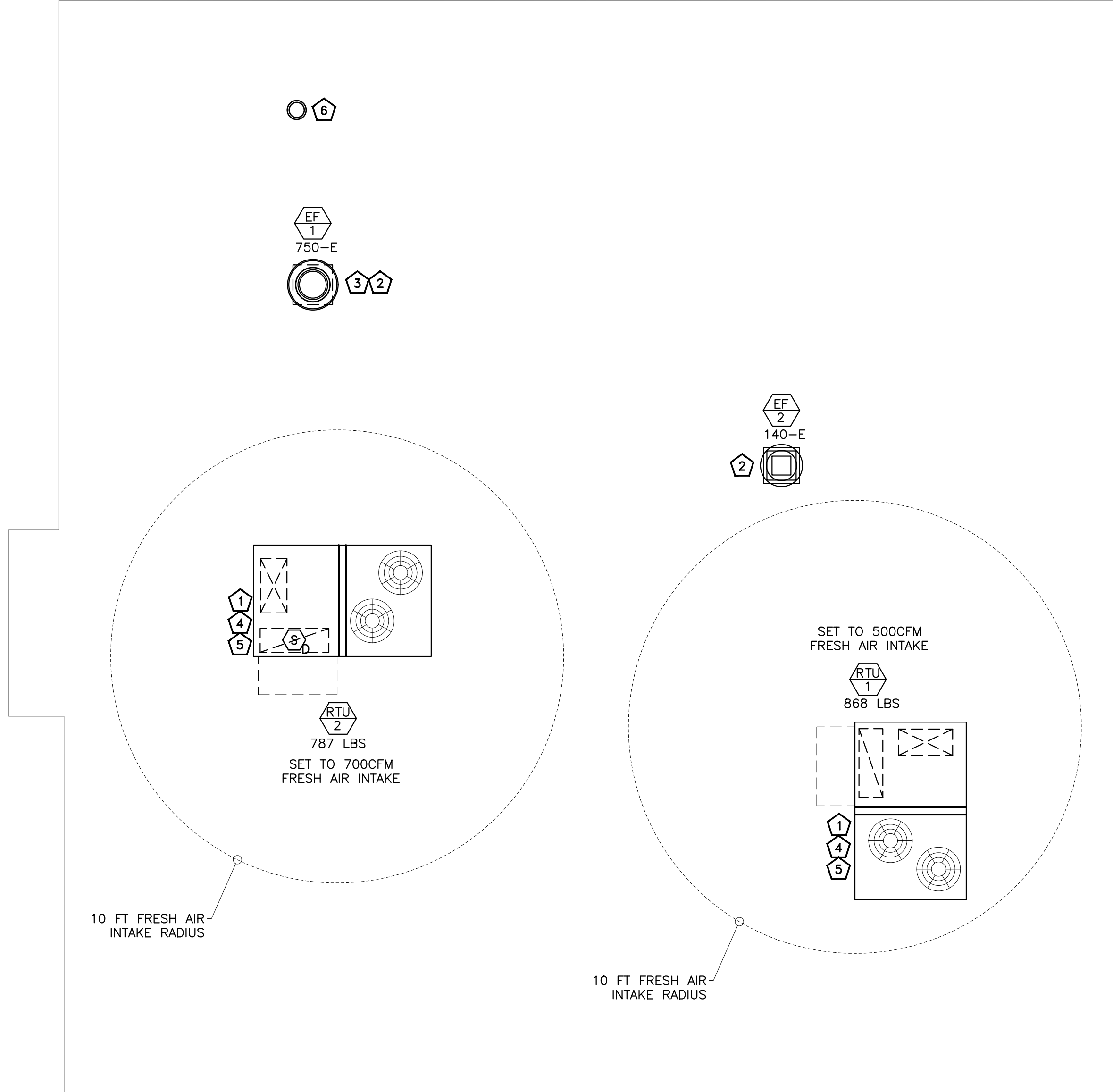
MECHANICAL FLOOR
PLAN

M2.0

Scale

1/4" = 1'-0"

Packet Pg. 107



- GENERAL ROOF FLOOR PLAN NOTES:
- COORDINATE LOCATIONS AND SIZES OF ROOF OPENINGS WITH OWNER AND WITH A STRUCTURAL ENGINEER.
 - EQUIPMENT SIZES, DIMENSIONS AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE ACTUAL EQUIPMENT SELECTED VENDOR DRAWINGS BEFORE FABRICATION OF DUCTWORK, PIPING ETC.
 - CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS FOR ALL HVAC BASED ON ACTUAL EQUIPMENT SELECTED PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL COORDINATE EQUIPMENT WEIGHTS AND SUPPORTS BASED ON ACTUAL EQUIPMENT SELECTED.
 - TEST AND BALANCE AIR SYSTEMS. PROVIDE REPORT TO G.C AND OWNER.
 - COORDINATE ALL EQUIPMENT WITH STRUCTURAL.
 - MAINTAIN ALL CODE AND MANUFACTURERS RECOMMENDED CLEARANCE AROUND ALL ROOF EQUIPMENT.
 - PROVIDE 1" CONDENSATE DRAIN FOR MAKE-UP AIR UNITS.
 - PROVIDE WEATHER PROOF COATING FOR ALL EXTERIOR DUCTING.

- MECHANICAL KEY NOTES:
- PROVIDE ROOFTOP UNIT AND CURB. COORDINATE UNIT WITH STRUCTURE. SHIM UNIT AND CURB LEVEL FOR PROPER CONDENSATE DRAINAGE. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN AIR DUCT CONNECTIONS. TRANSITION TO DUCT SIZES.
 - INSTALL OWNER FURNISHED ROOF MOUNTED EXHAUST FAN AND CURB.
 - INSTALL OWNER FURNISHED WIND BAND EXTENSION FOR GREASE EXHAUST FAN. EXHAUST TERMINATION MUST BE EQUAL OR HIGHER THAN ANY WALL OR PARAPET WITHIN 5'-0" OF FAN. VERIFY REQUIRED HEIGHT PRIOR TO BID AND COORDINATE WITH HOOD MANUFACTURER FOR ADDITION TO EQUIPMENT PRIOR TO BID.
 - PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCT CONNECTIONS. SET OUTSIDE AIR AS INDICATED ON ROOFTOP UNIT SCHEDULES. MECHANICAL CONTRACTOR SHALL SCRIBE INTO UNIT POSITION OF OUTSIDE AIR DAMPER AND LABEL OUTSIDE AIR VOLUME AND PERCENT OF OUTSIDE AIR.
 - CONTRACTOR TO CONNECT CONDENSATE DRAIN FROM ALL RTUS TO NEAREST ROOF DRAIN OR DOWN SPOUTS.
 - Ø8" WATER HEATER FLUE/VENT UP TO ROOF. TERMINATE VENT AT LEAST 36" ABOVE ROOF. INSTALL AS PER MANUFACTURES RECOMMENDATIONS.

19781 Crawford Avenue, Flossmoor, Illinois

Attachment: Complete Class e Application Rainbow Cone Flossmoor (Rainbow Cone Class e Resolution - 19805 Crawford Avenue)

No .	Description	Date

MECHANICAL ROOF
PLAN

M2.1

Scale 1/4" = 1'-0"

ROOF TOP UNIT SCHEDULE																								
UNIT ID	MANUFACTURER	EFFICIENCY	MODEL	NOMINAL TONS	SUPPLY FAN DATA			GAS HEAT		COOLING DATA					ELECTRICAL DATA					EER	IEER	THERMAL EFFICIENCY (%)	OPERATING WEIGHT (LBS)	REMARK
					TOTAL SUPPLY AIR	OUTSIDE AIR	ESP	INPUT	OUTPUT	TOTAL	SENSIBLE	AMBIENT TEMP.	ENTERING TEMP.	STAGES	VOLTS	PHASE	HZ	MCA(A)	MOC(P(A)					
					CFM	CFM	(IN. W.G.)	MBH	MBH	MBH	MBH	DB (°F)	DB / WB(°F)											
RTU-1	CARRIER	STANDARD	48FCDM09B2	8.5	3500	500	0.1	125	103	103.5	84.6	91.5	80/67	2	208/230	3	60	49	60	11.2	15	82	868	NEW
RTU-2	CARRIER	STANDARD	48FCDM08B2	7.5	3000	700	0.1	125	103	90.5	66	91.5	80/ 67	2	208/230	3	60	48	60	11.2	15	82	787	NEW
NOTES FOR NEW RTU:																								
1. ALL EQUIPMENT MUST BE MEETING OR EXCEEDING THE BRANDS MINIMUM REQUIREMENTS.																								
2. ELECTRICAL CONNECTION TO BE SINGLE POINT AND TO BE THROUGH THE BOTTOM OF THE UNIT.																								
3. PROVIDE DISCONNECT SWITCH AND AN UNPOWERED GFIC RECEPTACLE.																								
4. PROVIDE 14"ROOF CURB - CONTRACTOR SHALL FIELD INSULATE. SHIP ASAP AHEAD OF THE UNIT.																								
5. CONNECT CONDENSATE DRAIN LINE FROM ALL RTUS TO EXISTING DRAIN NETWORK RUNNING ON THE ROOF.																								
6. CABINET WITH 1/2" FIBERGLASS INSULATION.																								
7. UNIT SHALL BE COMPLETE WITH GAS HEATING SECTION.																								
8. PROVIDE RTU WITH POWER EXHAUST.																								
9. PROVIDE 8-WIRE, 24 VAC, AUTOMATIC CHANGEOVER, 2-STAGE HEAT / COOL, REMOTELY PROGRAMMABLE THERMOSTAT.																								
10. REMOTE SENSORS SHALL BE PROVIDED IN SPACE WIRED BACK TO PROGRAMMABLE, 24 HOUR, 7 DAY, THERMOSTATS.																								
11. THERMOSTAT SPECIFICATION HONEYWELL WI-FI SERIES (SERIES 8000 OR ABOVE).																								
12. ANTI SHORT CYCLE TIMER.																								
13. THROWAWAY 2" FILTERS (MERV 8).																								
14. WHERE REQUIRED, PROVIDE LOW AMBIENT COOLING CAPABILITY DOWN TO 0 DEGREES F.																								
15. PROVIDE ALL COMPRESSORS WITH 5 YEAR WARRANTY.																								
16. PROVIDE FACTORY INSTALLED HOT GAS BYPASS OPTION. HOT GAS BYPASS SHALL LIMITED TO 50% OF TOTAL CAPACITY OF UNIT.																								

MECHANICAL AIR TERMINAL DEVICES SCHEDULE						
TAG	SERVICE	SIZE	DESCRIPTION	BASIS OF DESIGN		NOTES
				MANUFACTURER	MODEL	
XXX-S	SUPPLY	24X24	SUPPLY AIR DIFFUSER	TITUS	OMNI	1,2,3,4,5
XXX-S	SUPPLY	12X12	SUPPLY AIR DIFFUSER	TITUS	OMNI	1,2,3,4,5
XXX-R	RETURN	24X24	RETURN AIR DIFFUSER	TITUS	OMNI	1,2,3,4,5
XXX-R	RETURN	24X24	RETURN AIR DIFFUSER	TITUS	PMR	1,2,3,4,5
XXX-E	EXHAUST	12X12	EXHAUST AIR DIFFUSER	TITUS	OMNI	1,2,3,4,5
XXX-S	SUPPLY	24X24	PERFORATED AIR DIFFUSER	TITUS	PAS	1,2,3,4,5
XXX-S	SUPPLY	18X6	DOUBLE DEFLECTION DUCT MOUNTED GRILLE	TITUS	300FL	1,2,3,4,5
XXX-R	RETURN	48X24	DOUBLE DEFLECTION DUCT MOUNTED GRILLE	TITUS	350FL	1,2,3,4,5
NOTES:						
1. PROVIDE STANDARD WHITE FINISH FOR ALL AIR DEVICES UNLESS NOTED OTHERWISE ON PLAN.						
2. COORDINATE FINAL COLOR/FINISH WITH ARCHITECT/OWNER.						
3. PROVIDE FRAME FOR MOUNTING AIR DEVICE IN LAY-IN GRID CEILING UNLESS REFLECTED CEILING PLAN INDICATES HARD CEILING. IN AREAS WITH HARD CEILINGS, PROVIDE FRAMES FOR SURFACE MOUNTING.						
4. UNLESS OTHERWISE NOTED, BRANCH DUCTS SERVING AIR DEVICES SHALL BE SAME SIZE AS NECK OF AIR DEVICE.						
5. AIR DEVICE SHALL BE OF GALVANIZED FINISH WHEN INSTALLED ON EXPOSED DUCTWORK.						
FOR ROUND NECK DIFFUSERS:						
6" DIA: 0-100 CFM						
8" DIA: 101-250 CFM						
10" DIA: 251-400 CFM						
12" DIA:401-650 CFM						
14" DIA:651 CFM & ABOVE						

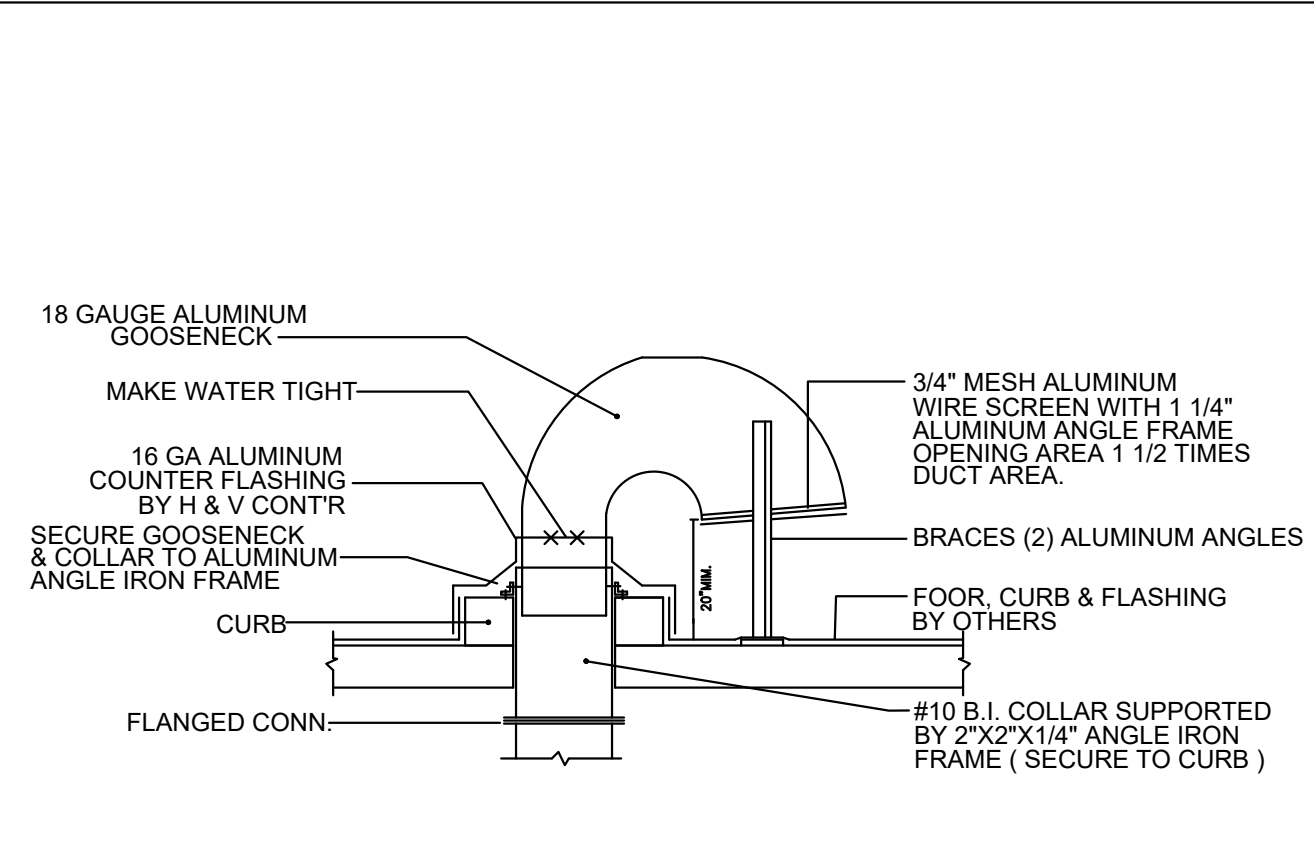
AIR BALANCE					
UNIT	AREA SERVED	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	RETURN AIR (CFM)	EXHAUST AIR(CFM)
RTU-1	SEE PLAN	3500	500	2860	
RTU-2	SEE PLAN	3000	700	2300	
EF-1	SEE PLAN				750
EF-2	SEE PLAN				140
TOTAL		6500	1200	5160	890
BUILDING PRESSURE			310	POSITIVE	
NOTES:					
1. CONTRACTOR TO ADJUST MOTORIZED DAMPER ON FRESH AIR TAP TO PROVIDE OUTSIDE AIR AS MENTIONED IN ABOVE TABLE.					

TYPE I, HOODS											
UNIT ID	MANUFACTURER	LENGTH	MODEL	SERVICE	COOKING	EXHAUST				CONSTRUCTION	WEIGHT
		(FEET-INCH)			TEMPERATURE (DEG F)	AIR (CFM)	PLENUM HEIGHT	PLENUM DIA.	E.S.P (IN. W.G.)		(LBS)
HOOD-1	CAPTIVEAIRE	5'-0"	3624ND-2	DONUTS	450	750	4"	10"	0.204	430 STAINLESS STEEL	308
NOTES / ACCESSORIES:											
1. PROVIDE MANUFACTURER RECOMMENDED ACCESSORIES & INSTALL AS PER MANUFACTURER'S RECOMMENDATION.											
2. REFER HOOD DATA IN MECHANICAL DETAILS SHEET FOR MORE DETAILS.											

AIR CURTAIN SCHEDULE											
TAG	MANUFACTURER	MODEL	AIR FLOW	ELECTRIC DATA			MOTOR QTY	MOTOR HP	POWER KW	FINISH	NOTES
			CFM	VOLT	PHASE	HZ					
AC-1	MARS	LPV272-1EBF-OB	1800	208	1	60	1	0.166	9.5	OBSIDISN BLACK	1,2,3,4
AC-2	MARS	LPV225-1EBF-OB	625	208	1	60	1	0.166	6.1	OBSIDISN BLACK	1,2,3,4
NOTES:-											
1. PROVIDE DISCONNECT SWITCH.											
2. PROVIDE MICRO-SWITCH.											
3. PROVIDE WITH FILTER.											
4. PROVIDE MOUNTING HARDWARE REQUIRED BY MANUFACTURER FOR COMPLETE INSTALLATION.											

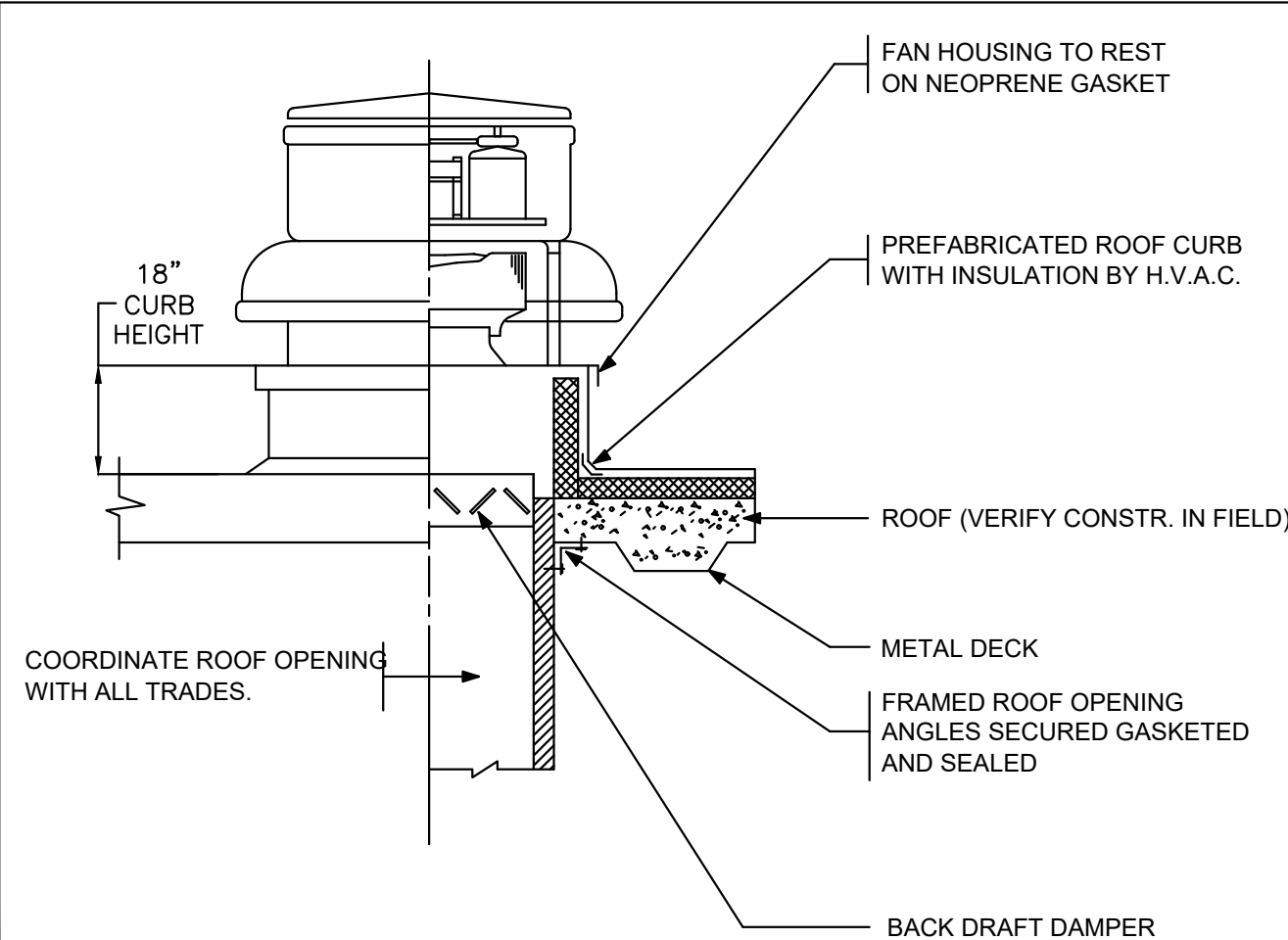
VENTILATION CALCULATION (RTU-1)												
ROOM NAME	AREA (SQ.FT.)	NUMBER OF PEOPLE/1000	NUMBER OF PEOPLE AS	NUMBER OF CHAIR	FINAL PEOPLE NO.	MIN OUTSIDE AIR AS PER IMC 2018		REQ. OA (CFM)	PROVIDING OUTSIDE	HOOD EHAUST	EXHAUST AIRFLOW	TOTAL EXHAUST
						CFM/PEOPLE	CFM/SQ.FT			CFM		
DINING	767	70	54	17	30	7.5	0.18	363	500	0	0	0
MENS RR	59	0	0	0	0	0	0	0		0	70	70
WOMENS RR	59	0	0	0	0	0	0	0		0	70	70
OFFICE	28	5	1	1	1	5	0.06	7		0	0	0
TOTAL					30			363	500			140
VENTILATION CALCULATION (RTU-2)												
ROOM NAME	AREA (SQ.FT.)	NUMBER OF PEOPLE/1000	NUMBER OF PEOPLE AS	NUMBER OF CHAIR	FINAL PEOPLE NO.	MIN OUTSIDE AIR AS PER IMC 2018		REQ. OA (CFM)	PROVIDING OUTSIDE	HOOD EHAUST	EXHAUST AIRFLOW	TOTAL EXHAUST
						CFM/PEOPLE	CFM/SQ.FT			CFM		
KITCHEN	715	20	15	0	15	7.5	0.12	198	700	750	0	750
DRY STORAGE	320	20	7	0	0	7.5	0.12	38		0	0	0
MECH	165	0	0	0	0	0	0.12	20		0	0	0
TOTAL					15			257	700			750

FAN SCHEDULE															
UNIT ID	MANUFACTURER	HOOD	MODEL	CFM	TYPE	DRIVE	FAN RPM	WEIGHT (Lbs)	E.S.P. (IN. W.G.)	MOTOR HP	VOLTS	PHASE	SERVICE	INTERLOCKED WITH	NOTES / ACCESSORIES
		LENGTH													
EF-1 (N)	CAPTIVEAIRE	5'-0"	DU33HFA	750	ROOF	DIRECT	1342	109	0.5	0.333	115	1	DONUTS	HOOD CONTROL	1,2,3,4,8
EF-2 (N)	GREENHECK	-	CUE-080-D	140	ROOF	DIRECT	1550	40	0.6	1/20	115	1	RESTROOMS	RTU-1 (N)	2,3,4,5,6,7,8
NOTES / ACCESSORIES:															
1. REFER HOOD DATA IN MECHANICAL DETAILS SHEET FOR MORE DETAILS.								5.	VIBRATION ISOLATORS, CANVAS CO						
2. WEATHER PROOF DISCONNECT SWITCH, VARIABLE SPEED CONTROL								6.	MOTORIZED SHUTOFF DAMPER						
3. SPEED CONTROL SWITCH								7.	ROOF CURB						
4. THERMAL OVERLOAD PROTECTION								8.	AMCA SEAL & UL CERTIFIED						



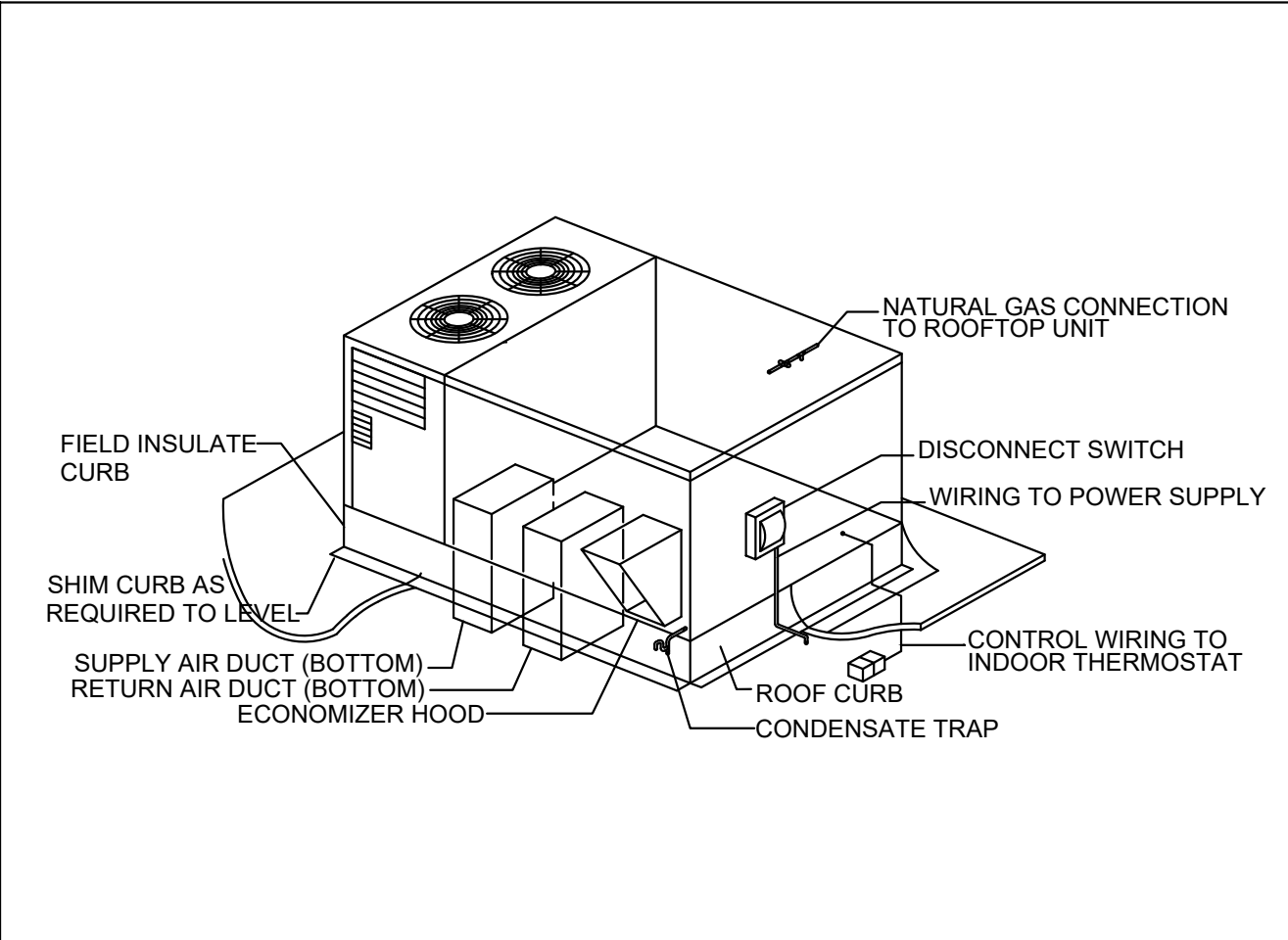
GOOSENECK DETAIL

SCALE: NONE



ROOF EXHAUST FAN DETAILS

SCALE: NONE



ROOF TOP UNIT SCHEMATIC DIAGRAM

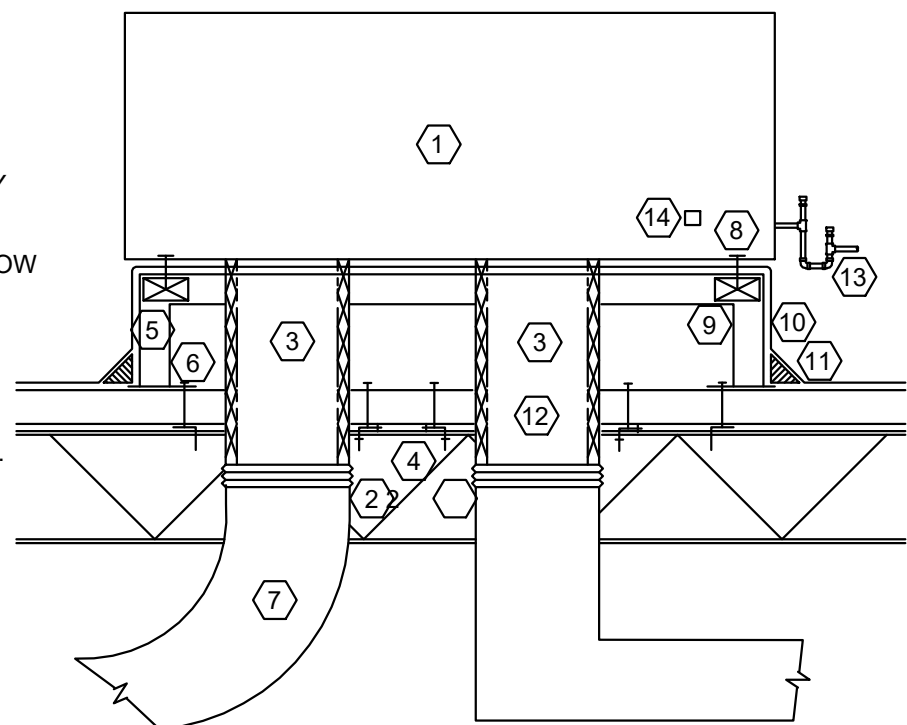
SCALE: NONE

KEYED NOTES:

1. ROOFTOP AIR CONDITIONING UNIT LOCATE A MINIMUM OF 10'-0" FROM EDGE OF ROOF AND ROOF HATCH
2. CANVAS FLEXIBLE CONNECTION
3. 1" ACOUSTICALLY LINED DUCTS
4. 4x4 ANGLE FASTENED TO ROOF DECK AND STRUCTURAL SYSTEM PROVIDE SUPPORTS AS REQUIRED
5. FACTORY FABRICATED, INSULATED ROOF CURB (BY SAME MFG'R AS UNIT)
6. FASTEN CURB TO DECK
7. INSULATED RADIUS ELBOW
8. SECURE TO CURB
9. WOOD NAILER
10. CURB TYPE AND FLASHING PER ROOFING MANUFACTURER'S REQUIREMENTS. FLASH UP OVER OVER WOOD NAILOR. CANT STRIP
12. ROOF DECK, CUT OPENING FOR DUCT PENETRATIONS ONLY
13. CONDENSATE TRAP - SEE CONDENSATE DRAIN TRAP DETAIL
14. HIGH WATER ALARM IN CONDENSATE DRAIN PAN. WIRE TO BREAK 24 VOLT CONTROL POWER IN THE CASE OF A HIGH WATER EVENT.

GENERAL NOTES:

- A. CONTRACTOR SHALL PROVIDE CURB TO MAINTAIN 10" MINIMUM ABOVE FINISHED ROOFING SYSTEM. PROVIDE ADDITIONAL BLOCKING AS REQUIRED TO ACCOMMODATE ROOF INSULATION THICKNESS.
- B. FINAL LOCATION AND STRUCTURAL VERIFICATION BY OTHERS.

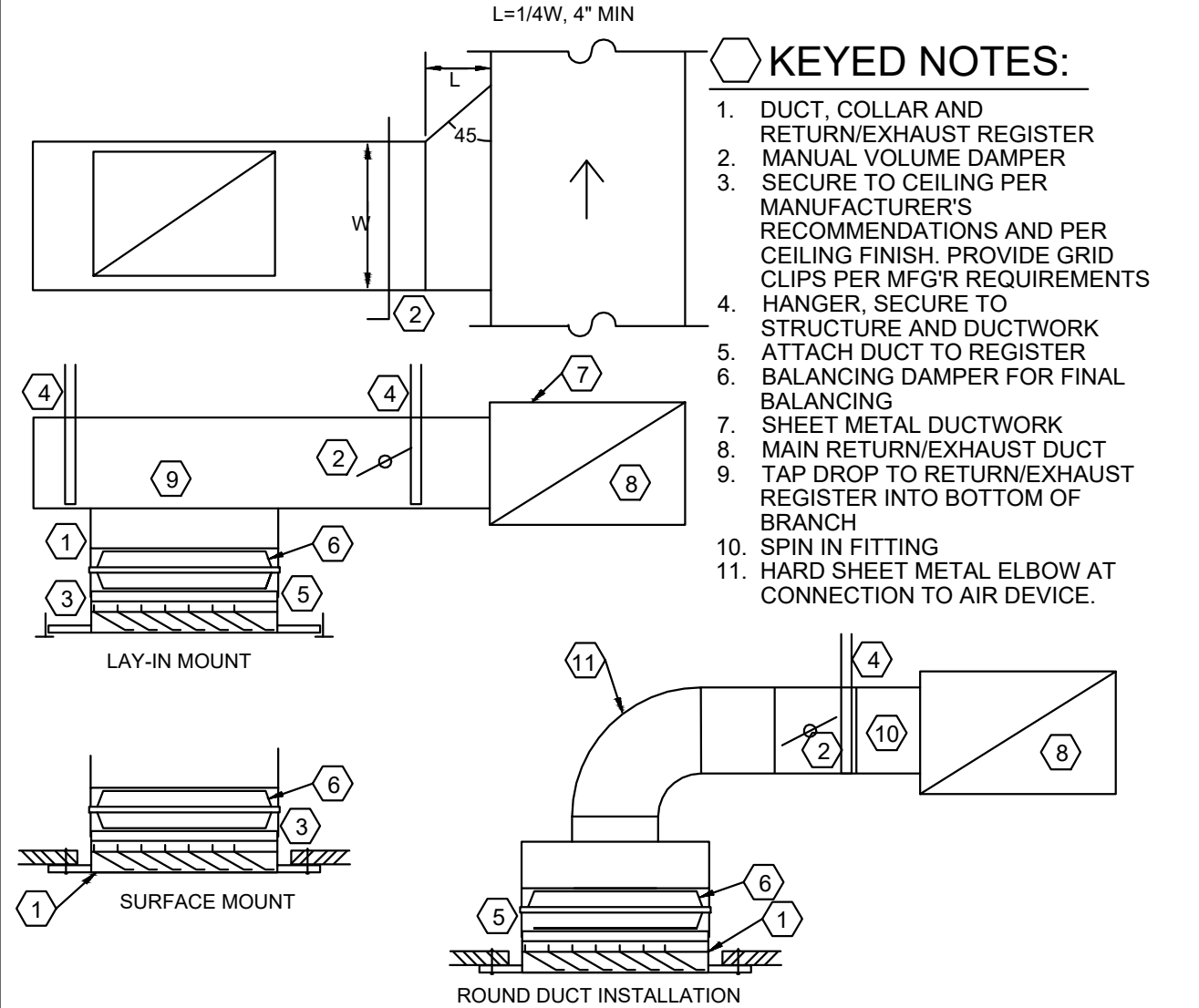


NOTICE TO PLANS EXAMINER:

REFER TO STRUCTURAL DRAWINGS FOR ALL ROOF SUPPORTS AND WIND LOAD CALCULATIONS IN COMPLIANCE WITH FBC 2017.

ROOF CURB & MOUNTING DETAILS

SCALE: NONE



RETURN/EXHAUST REGISTER INSTALLATION

SCALE: NONE

KEYED NOTES:

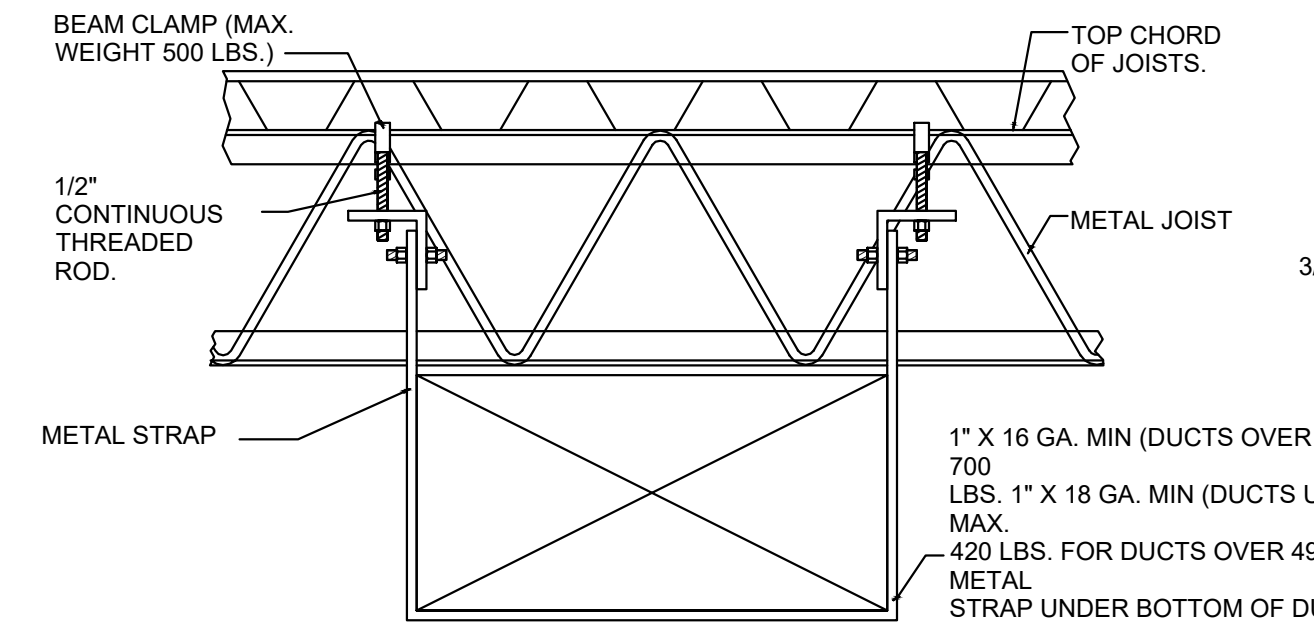
1. DUCT, COLLAR AND RETURN/EXHAUST REGISTER
2. MANUAL VOLUME DAMPER
3. SECURE TO CEILING PER MANUFACTURER'S RECOMMENDATIONS AND PER CEILING FINISH. PROVIDE GRID CLIPS PER MFG'R REQUIREMENTS
4. HANGER, SECURE TO STRUCTURE AND DUCTWORK
5. ATTACH DUCT TO REGISTER
6. BALANCING DAMPER FOR FINAL BALANCING
7. SHEET METAL DUCTWORK
8. MAIN RETURN/EXHAUST DUCT
9. TAP DROP TO RETURN/EXHAUST REGISTER INTO BOTTOM OF BRANCH
10. SPIN IN FITTING
11. HARD SHEET METAL ELBOW AT CONNECTION TO AIR DEVICE.

KEYED NOTES:

1. MAXIMUM LENGTH OF INSUL. FLEX DUCT 6 EQUALS 5 FEET. FLEX NOT PERMITTED IN INACCESSIBLE CEILINGS
2. INSULATED DUCT, COLLAR AND DIFFUSER BY HVAC CONTRACTOR
3. SCOOP
4. SPIN IN FITTING WITH MANUAL VOLUME DAMPER
5. INTERNAL BUTTERFLY DAMPER FOR DRYWALL APPLICATIONS ONLY. (PROVIDE KEY FOR ADJUSTMENT)
6. SECURE TO CEILING PER MANUFACTURER'S RECOMMENDATIONS AND PER CEILING FINISH. PROVIDE GRID CLIPS PER MFG'R REQUIREMENTS. PROVIDE FRAMING FOR DRYWALL INSTALLATION.
7. HANGER, SECURE TO STRUCTURE AND DUCTWORK
8. PEEL BACK INSULATION AND PROVIDE STRAPPING AND SHEET METAL SCREWS AT FLEX CONNECTION TO DUCT. THEN PROVIDE STRAPPING AROUND INSULATION.
9. SUPPORT FLEX TO PREVENT COLLAPSING

DIFFUSER INSTALLATION TYPICAL

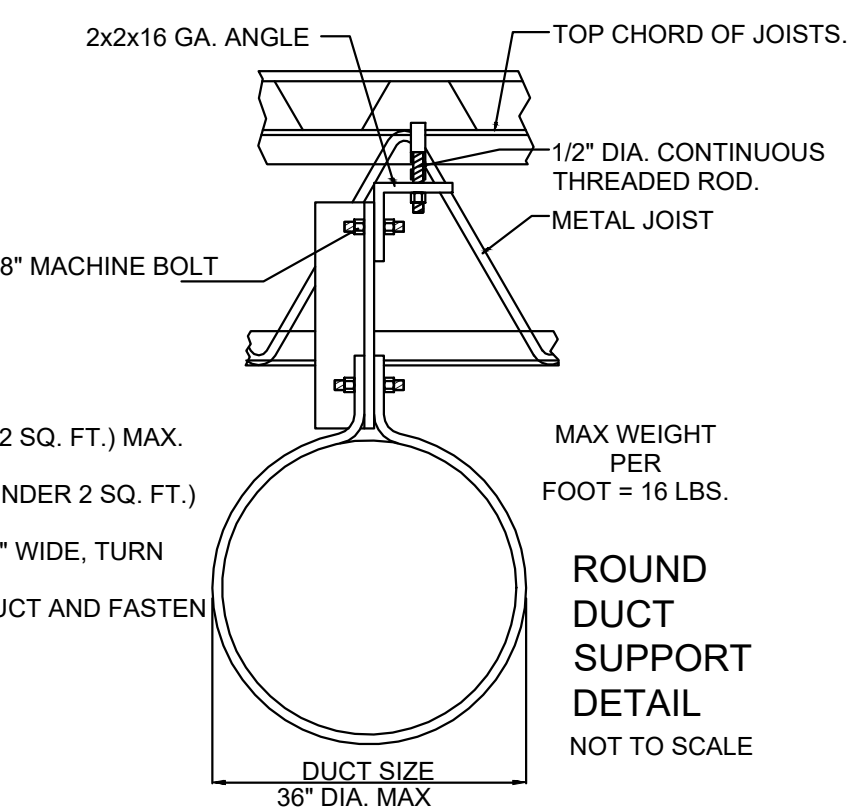
SCALE: NONE



DUCTWORK SUPPORT DETAIL NOT TO SCALE

MAX. SIDE INCHES	RECTANGULAR DUCTS	MIN. GALV. SHT. GAUGE	ALUMINUM MIN. B & S GAUGE
13 THROUGH 12	26 (0.022 IN.)	24 (0.020 IN.)	22 (0.025 IN.)
31 THROUGH 30	24 (0.028 IN.)	20 (0.032 IN.)	18 (0.040 IN.)
55 THROUGH 54	22 (0.034 IN.)	20 (0.040 IN.)	16 (0.051 IN.)
OVER 84	18 (0.052 IN.)		

NOTE: DISTANCE BETWEEN DUCT HANGERS SHALL BE IN ACCORDANCE WITH THE RULES OF THE AGENCIES HAVING JURISDICTION.



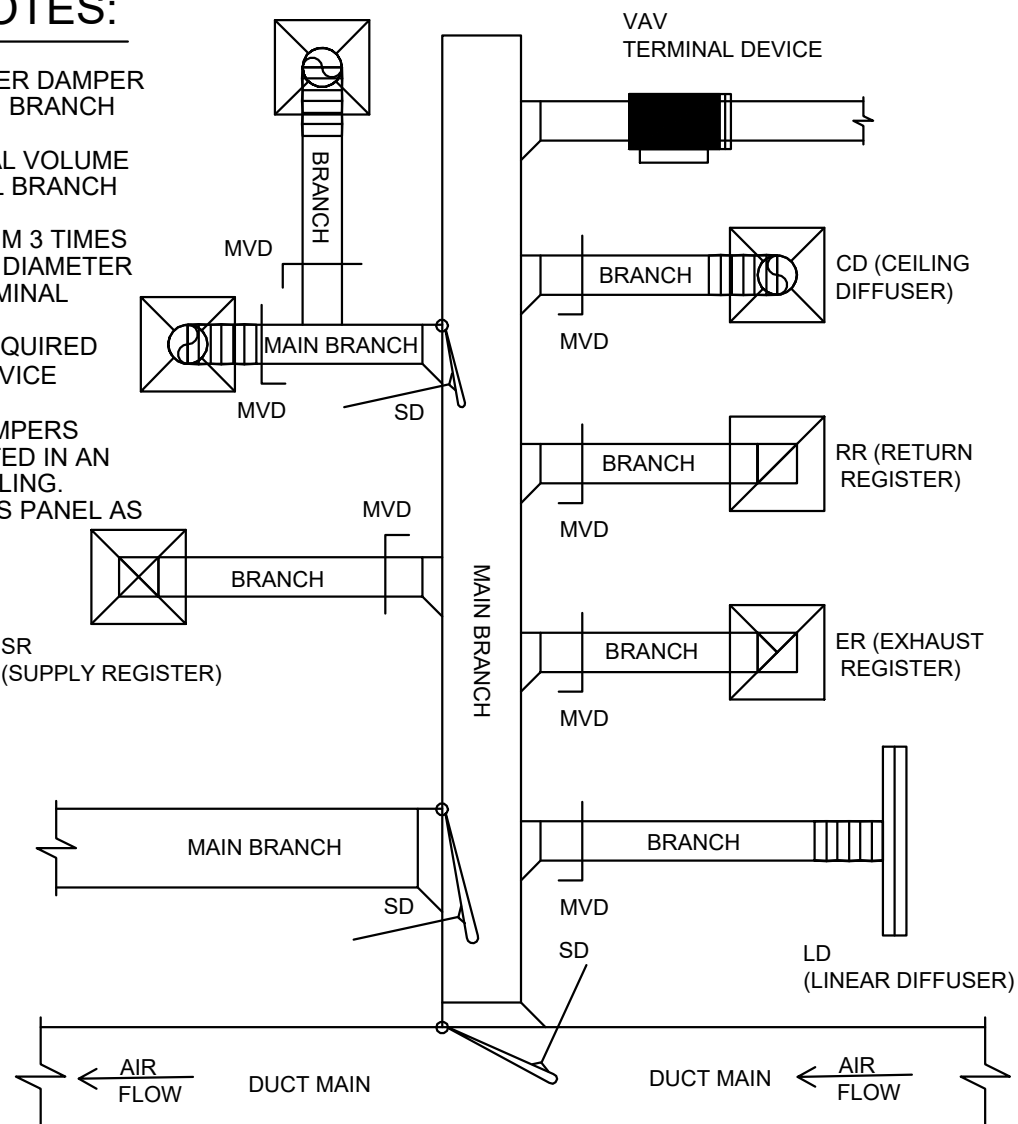
DIAMETER INCHES	SPIRAL SEAM DUCT STEEL MIN. GALV. SHT. GAUGE	ROUND DUCTS LONGITUDINAL SEAM DUCT STEEL MIN. GALV. SHT. GAUGE	FITTINGS STEEL MIN. GALV. SHT. GAUGE
12	28 (0.019 IN.)	26 (0.022 IN.)	26 (0.022 IN.)
13 THROUGH 18	26 (0.022 IN.)	24 (0.028 IN.)	24 (0.028 IN.)
19 THROUGH 28	24 (0.028 IN.)	22 (0.034 IN.)	22 (0.034 IN.)
29 THROUGH 36	22 (0.034 IN.)	20 (0.040 IN.)	20 (0.040 IN.)
37 THROUGH 52	20 (0.040 IN.)	18 (0.052 IN.)	18 (0.052 IN.)

DUCT SUPPORT DETAIL D

SCALE: NONE

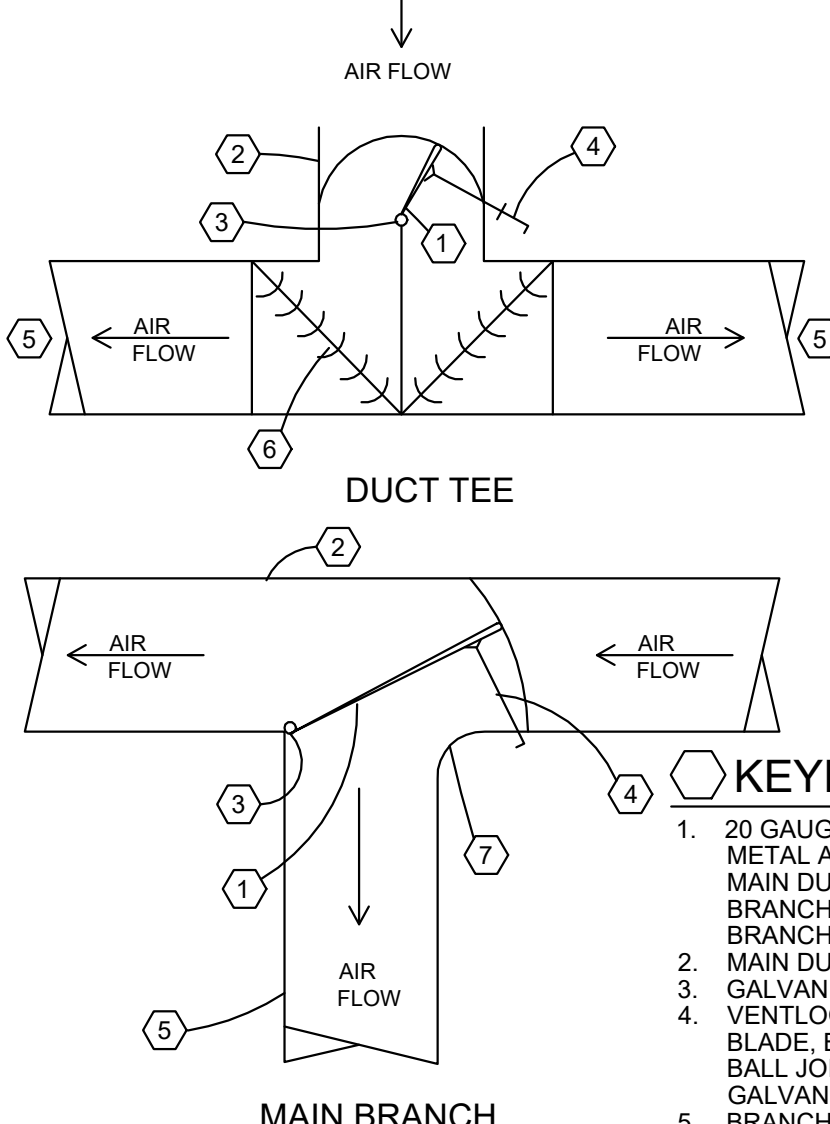
GENERAL NOTES:

1. PROVIDE SPLITTER DAMPER (SD) AT ALL MAIN BRANCH TAKEOFFS
2. PROVIDE MANUAL VOLUME DAMPERS AT ALL BRANCH TAKEOFFS
3. PROVIDE MINIMUM 3 TIMES STRAIGHT INLET DIAMETER TO ALL VAV TERMINAL DEVICES
4. DAMPER NOT REQUIRED AT TERMINAL DEVICE TAKEOFF
5. ALL MANUAL DAMPERS SHALL BE LOCATED IN AN ACCESSIBLE CEILING. PROVIDE ACCESS PANEL AS REQUIRED



MANUAL DAMPER DETAIL

SCALE: NONE



KEYED NOTES:

1. 20 GAUGE DOUBLE SHEET METAL AIR FOIL FULL DEPTH OF MAIN DUCT UP TO 12" WIDE BRANCHES 18 GAUGE ON WIDER BRANCHES
2. MAIN DUCT
3. GALVANIZED 3/16" ROD
4. VENTLOCK NO. 600-3 DAMPER BLADE, BRACKET & LOCKING BALL JOINT WITH 1/40 GALVANIZED OPERATOR PAD
5. BRANCH MAIN DUCT
6. DOUBLE THICKNESS TURNING VANES TYPICAL
7. 3" RADIUS MINIMUM

No.	Description	Date

FOR QUESTIONS, CALL THE
Chicago Foodservice Division
REGION 55
PHONE: (630) 377 - 2611
EMAIL: reg55@captiveaire.com

PATENT NUMBERS
EXHAUST HOODS ND-2/BD-2/SND-2 (CANADA) - CA PATENT 2520435 C.

HOOD INFORMATION - JOB#6171521

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP		END TO END	ROW
1	H-1	3624 ND-2	CAPTIVEAIRE	5' 0"	450 DEG	I	MEDIUM	150	750			4'	10'	750	1375	-0.204"	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

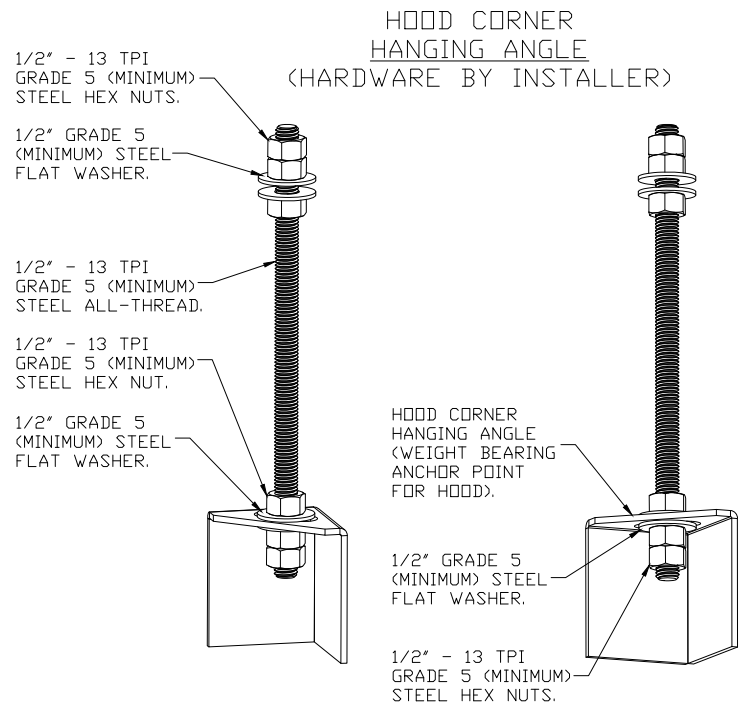
HOOD NO	TAG	FILTER(S)					LIGHT(S)			UTILITY CABINET(S)					FIRE SYSTEM PIPING	HOOD HANGING WEIGHT	
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL			SWITCHES
												TYPE	SIZE	MODEL #			QUANTITY
1	H-1	SS BAFFLE WITH HANDLES	3	16"	16"	30%	2	RECESSED ROUND	NO	LEFT	12"x36"x24"			SC-110110MA	1 LIGHT 1 FAN	NO	308 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	H-1	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT. BACKSPLASH 80.00" HIGH X 72.00" LONG 430 SS VERTICAL. RISER SENSOR INSTALL 6IN PLEN.

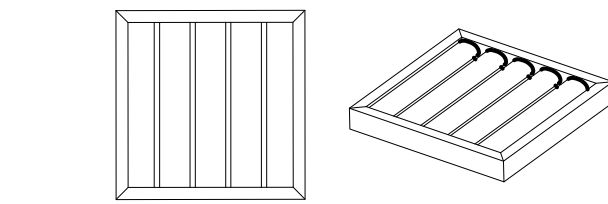
CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

NSF
NFPA #96
NSF
E.T.L. LISTED 3054804-001 TO UL 710 & ULC710 STANDARDS

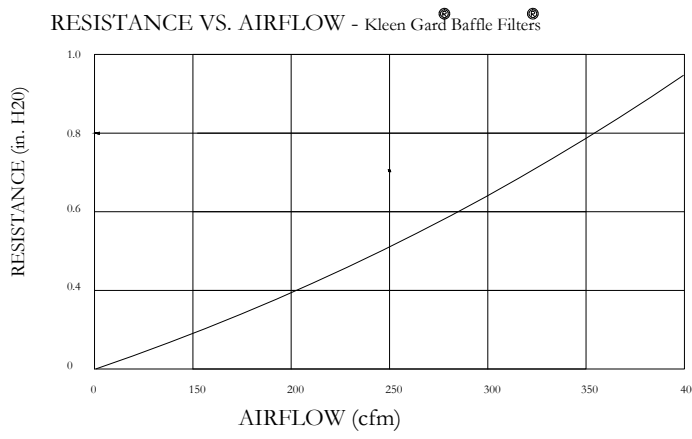


ASSEMBLY INSTRUCTIONS

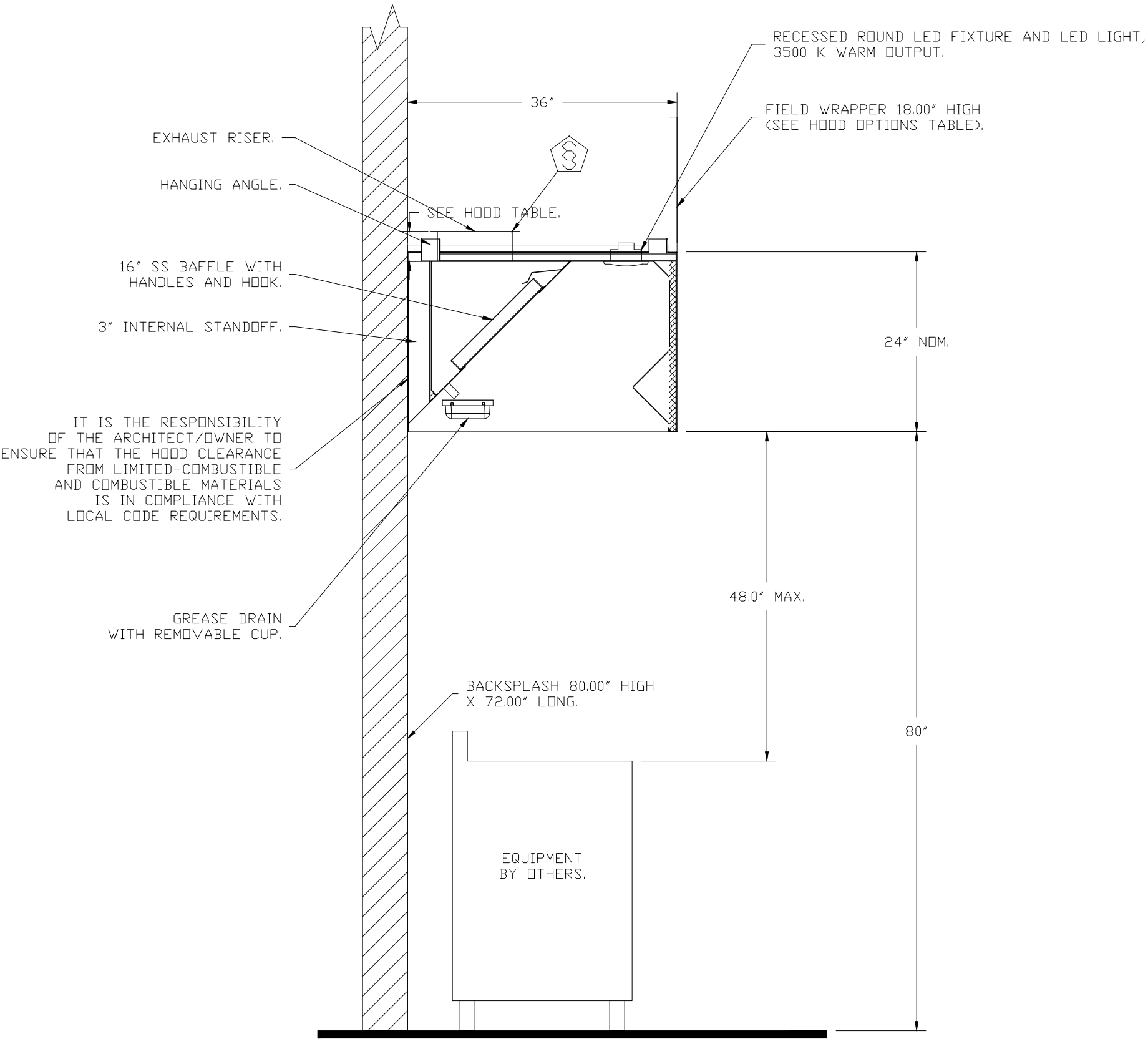
HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



Kleen-Gard filters by Reasearch Products
Kleen-Gard Baffle Filters are UL Classified grease extracting filters



VERIFY CEILING HEIGHT
Height required to verify that the hood will fit and to size the enclosure panels
☐ Drop Ceiling ☐ Hard Drywall Ceiling



SECTION VIEW - MODEL 3624ND-2
HOOD - #1 (H-1)

DUCT TEMPERATURE SENSOR (TYPICAL)

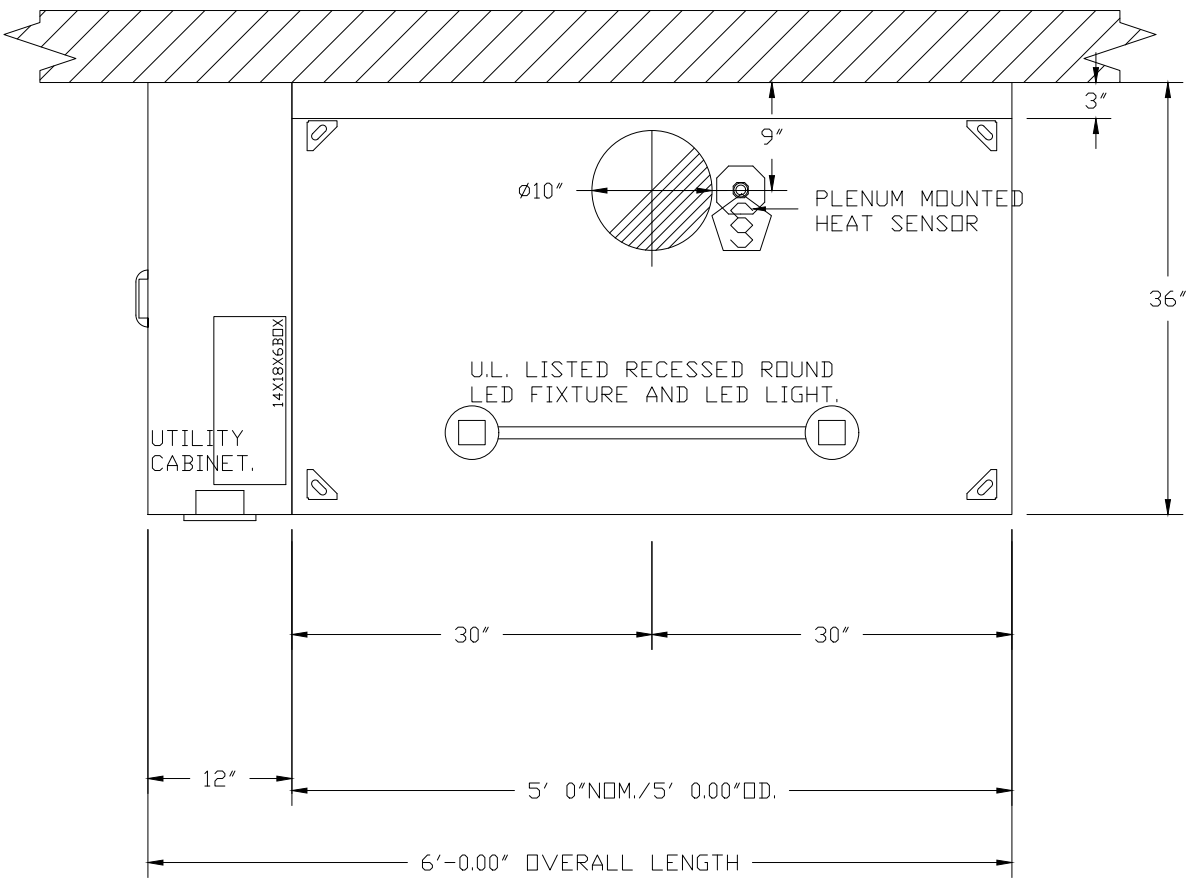
Provides exhaust air temperature for proper hood control operation. For all installations excluding a single hood with factory risers and a hood mounted panel, duct mounted temperature sensors will need to be field wired. 2-wire 18 AWG plenum rated thermistor cable must be used.

ROOM TEMPERATURE SENSOR

Provides room override based on temperature differential between the room and duct. Installed by electrician on a wall, 5'-6" off the finished floor, in the space but not directly under the hood or close to an appliance (including the electrical control box) or near HVAC register so that the reading is accurate for space.

HOOD CONTROL INTERFACE

The LCD interface provides user control and hood status. The faceplate is connected to the hood control panel through CAT-5 cable. A faceplate has 2 RJ-45 connectors. One connects to port J4 or J5 in the hood control panel and the other will typically be occupied by a RJ-45 end-of-line terminator.



PLAN VIEW - HOOD #1 (H-1)
5' 0.00" LONG 3624ND-2

REVISIONS

DESCRIPTION	DATE

Chicago Foodservice Division
1120 Charleston Drive, St. Charles, IL 60174 PHONE: (630) 377 - 2611 FAX: 9195168738 EMAIL: reg55@captiveaire.com

Rainbow Cone - Flossmoor
FLOSSMOOR, IL, 60422

DATE: 8/17/2023
DWG.#: 6171521
DRAWN BY: WEM
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1

No.	Description	Date

HOOD DATA

M4.1

Scale 1/4" = 1'-0"

EXHAUST FAN INFORMATION – JOB#6171521

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	EF-1	1	DU33HFA	CAPTIVEAIRE	750	0.500	1342	TEAO-ECM	0.333	0.1610	1	115	4.3	371 FPM	75	12.5

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	EF-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL – SHIP LOOSE – FOR GREASE DUCTS
		1	ECM WIRING PACKAGE – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -RTC- (TELCD MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY

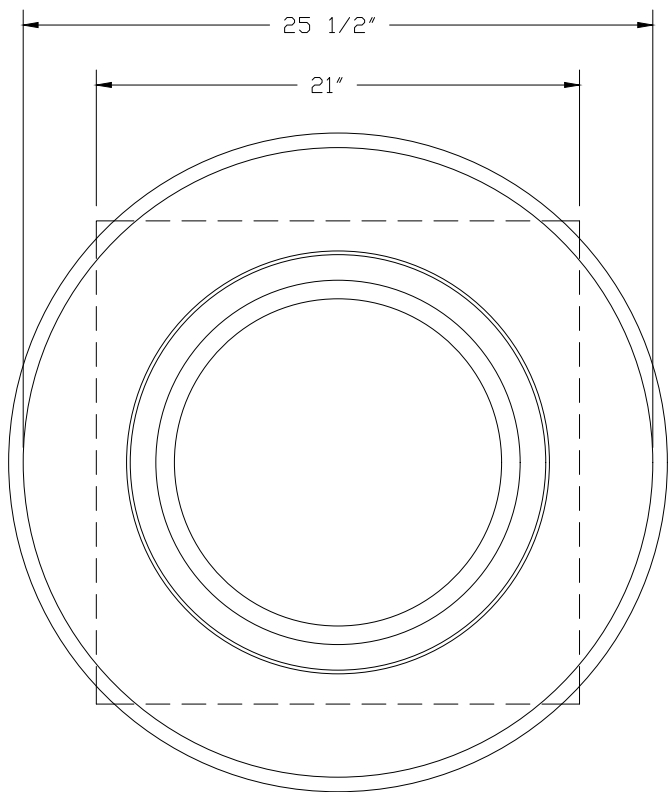
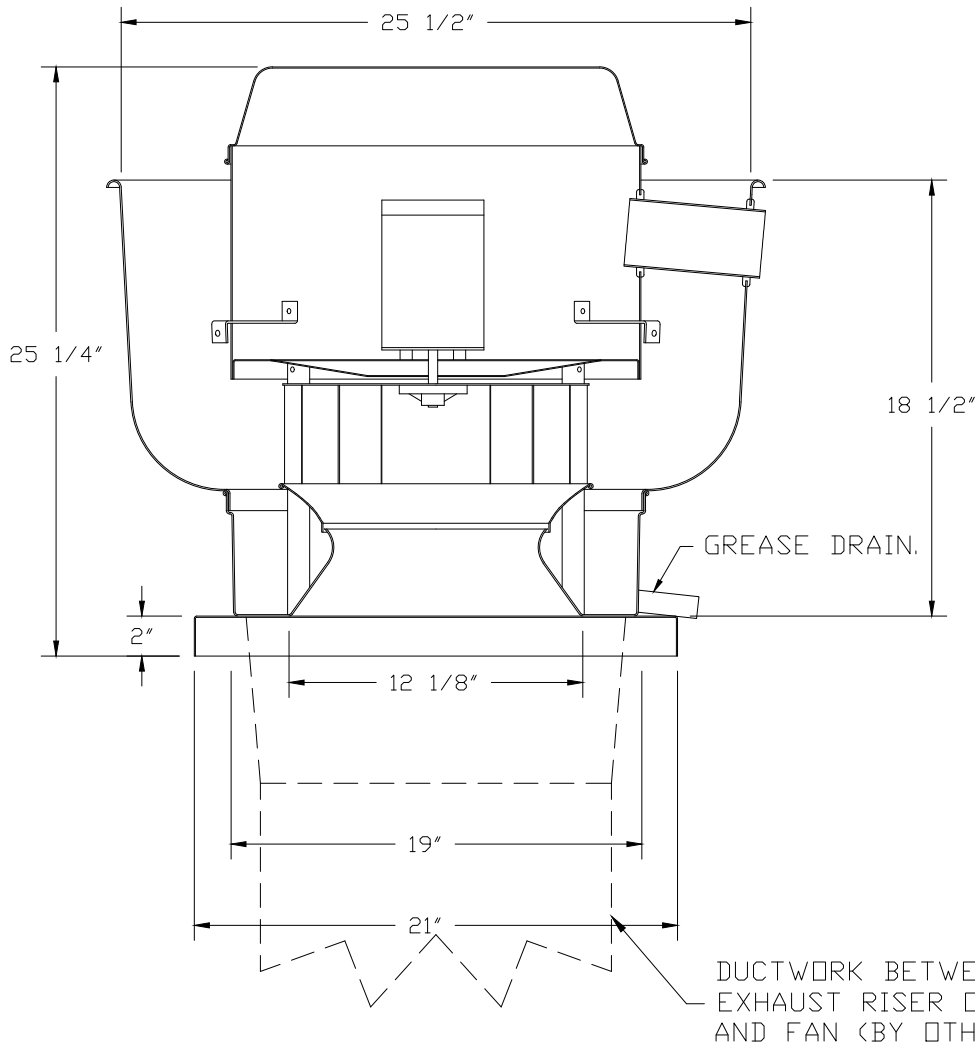
FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST				SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT	
1	EF-1	YES							

CURB ASSEMBLIES

NO	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	EF-1	34 LBS	CURB	19.500"W X 19.500"L X 24.000"H VENTED HINGED.

FAN #1 DU33HFA – EXHAUST FAN (EF-1)



TOP VIEW

FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST

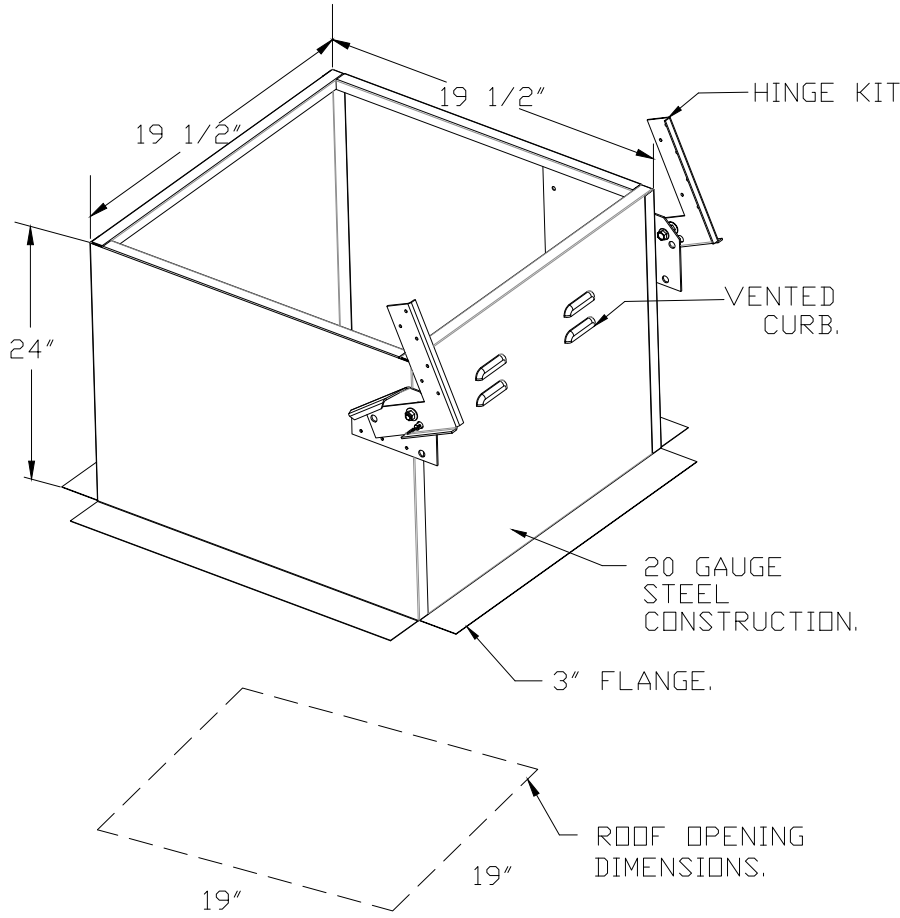
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST

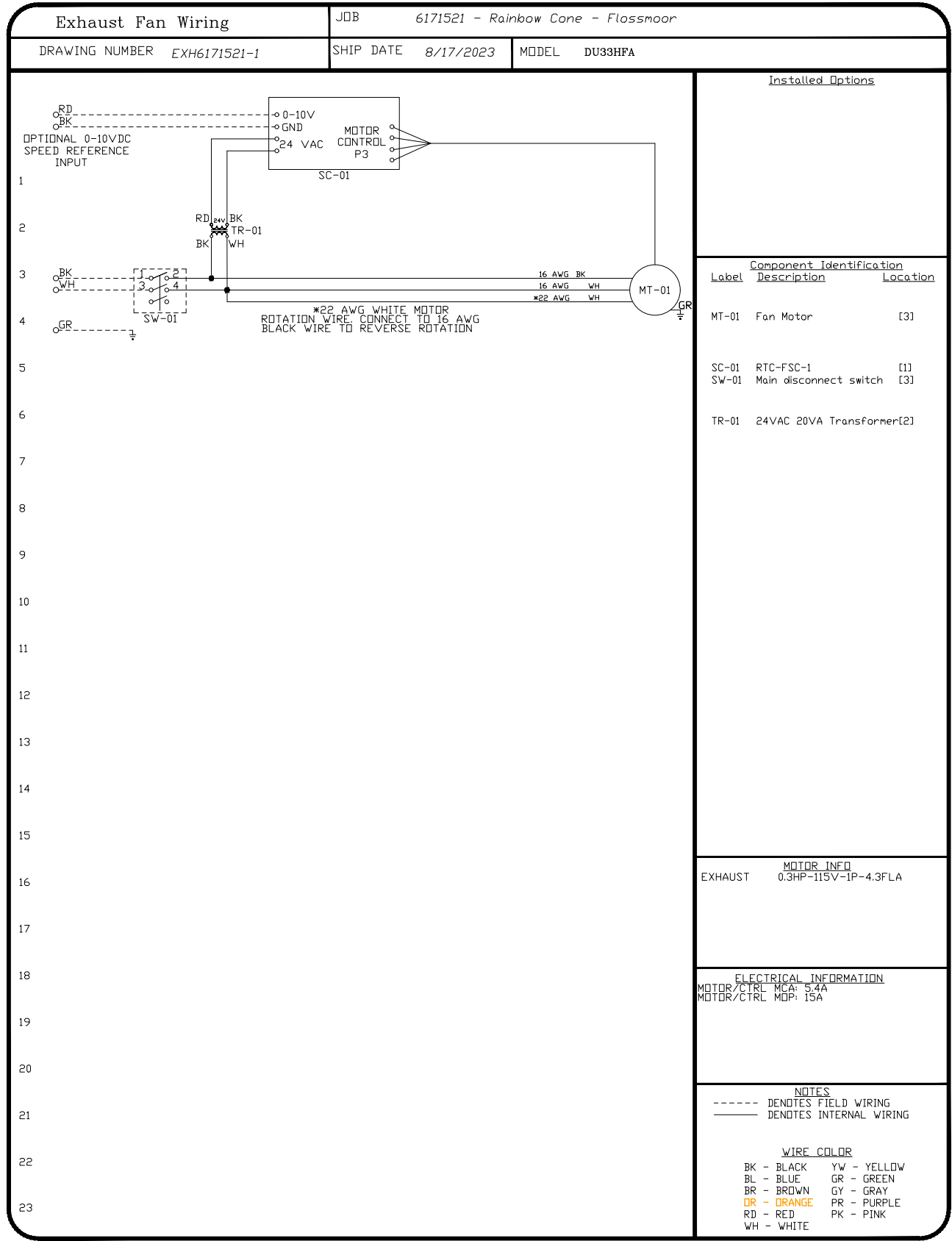
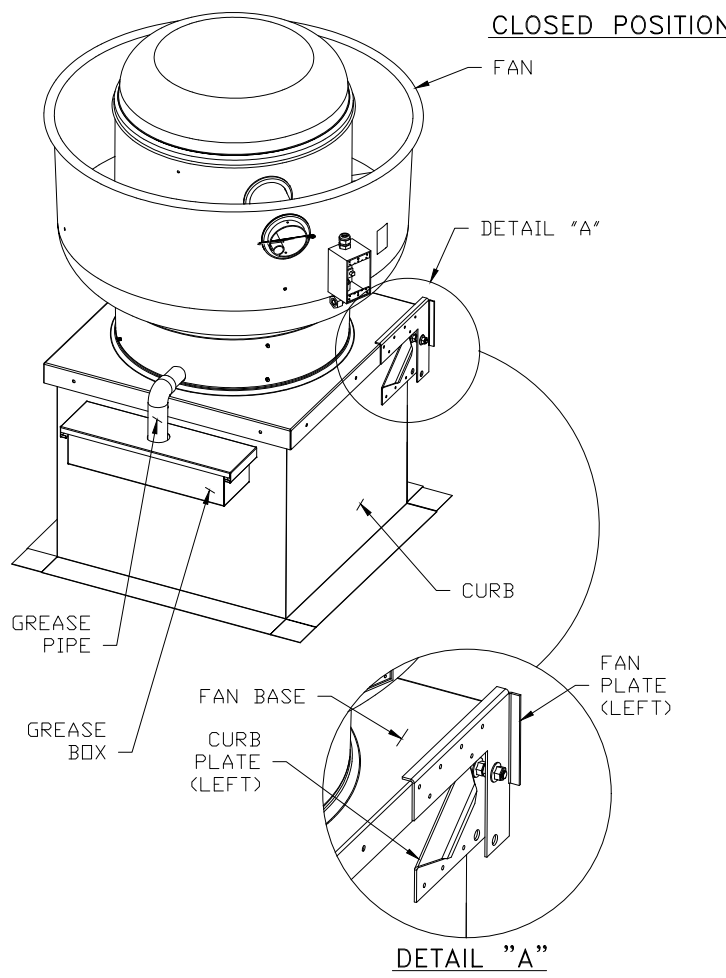
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

- GREASE BOX.
- FAN BASE CERAMIC SEAL – SHIP LOOSE
- FOR GREASE DUCTS.
- ECM WIRING PACKAGE – MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -RTC- (TELCD MOTOR), CCW ROTATION.
- 2 YEAR PARTS WARRANTY.



HINGE KIT INSTALLATION



REVISIONS

DESCRIPTION	DATE

Chicago Foodservice Division

1120 Charleston Drive, St. Charles, IL 60174 PHONE: (630) 377 - 2811 FAX: 9105168738 EMAIL: reg55@captiveaire.com

Rainbow Cone – Flossmoor
FLOSSMOOR, IL, 60422

DATE: 8/17/2023

DWG.#:
6171521

DRAWN BY: WEM

SCALE:
3/4" = 1'-0"

MASTER DRAWING

SHEET NO.
2

HOOD DATA

M4.2

ELECTRICAL SPECIFICATIONS

1. GENERAL:
- THE "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION," AIA DOCUMENT A201, LATEST EDITION, AND THESE SPECIFICATIONS AS APPLICABLE ARE PART OF THIS CONTRACT.

DRAWING ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR ROUTING OF CONDUIT TO AVOID OBSTRUCTIONS. COORDINATION WITH EXISTING SERVICES, INCLUDING THOSE OF OTHER TRADES, IS REQUIRED. MAINTAIN HEADROOM AND SPACE CONDITIONS.

BIDDERS, BEFORE SUBMITTING PROPOSALS, SHALL VISIT AND CAREFULLY EXAMINE THE AREA AFFECTED BY THIS WORK TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THIS WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE, AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT, OR MATERIALS, REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.

INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWING MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.

REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK MAY BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES AND CHARGES IN MAKING UP THE WORK PROPOSAL.

CONNECTIONS TO EXISTING WORK: INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS OF EXISTING SERVICES SHALL BE PERFORMED AT NO ADDITIONAL CHARGES. AT TIMES NOT TO INTERFERE WITH NORMAL OPERATION OF EXISTING FACILITIES AND ONLY WITH WRITTEN CONSENT OF OWNER, ALARM AND EMERGENCY SYSTEMS SHALL NOT BE INTERRUPTED. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES AS REQUIRED WITH NECESSARY TEMPORARY CONNECTIONS BETWEEN NEW AND EXISTING WORK. CONNECT NEW WORK TO EXISTING WORK IN A NEAT AND ACCEPTABLE MANNER. RESTORE EXISTING DISTURBED WORK TO ORIGINAL CONDITION, INCLUDING MAINTENANCE OF WIRING CONTINUITY AS REQUIRED.

DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW WORK.

THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR.

SEAL OPENINGS THROUGH PARTITIONS, WALLS AND FLOORS WITH MINERAL WOOL OR OTHER NONCOMBUSTIBLE MATERIAL, UNLESS OTHERWISE NOTED.

PROVIDE ALL NECESSARY FLASHING AND COUNTER FLASHING TO MAINTAIN THE WATERPROOFING INTEGRITY OF THE BUILDING AS REQUIRED BY THE INSTALLATION OR REMOVAL OF CONDUIT AND EQUIPMENT, PROVIDE EQUIPMENT CURBS AS REQUIRED.

ALL EXISTING MATERIAL, EQUIPMENT AND CONSTRUCTION DEBRIS TO BE REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR WITH THE EXCEPTION OF SPECIFIC EQUIPMENT AND APPARATUS REQUESTED BY THE BUILDING REPRESENTATIVE, ARCHITECT OR AS NOTED TO BE RELOCATED ON THE DRAWINGS. REMOVED EQUIPMENT SHALL BE PROPERLY DISPOSED OF BY THIS CONTRACTOR.

THE CONTRACTOR'S PROPOSAL FOR ALL WORK SHALL BE PREDICATED ON THE PERFORMANCE OF THE WORK DURING REGULAR WORKING HOURS. WHEN SO DIRECTED, HOWEVER, THE CONTRACTOR SHALL INSTALL WORK DURING OVERTIME HOURS AND THE ADDITIONAL COST TO BE CHARGED THEREFORE SHALL BE ONLY THE "PREMIUM" PORTION OF THE WAGES PAID.

UNLESS OTHERWISE SPECIFICALLY NOTED OR SPECIFIED, INCLUDE ALL CUTTING AND PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING. THE CONTRACTOR SHALL RESTORE THESE AREAS TO ORIGINAL CONDITION.

ALL MATERIAL AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL BE IN ACCORDANCE WITH BUILDING STANDARDS.

INSURANCE: PROVIDE IN ACCORDANCE WITH OWNER/BUILDING REQUIREMENTS AND SHALL INCLUDE A HOLD HARMLESS CLAUSE FOR OWNER AND ENGINEER.

THE FINAL ACCEPTANCE SHALL BE MADE AFTER THE CONTRACTOR HAS ADJUSTED HIS EQUIPMENT, TESTED THE VARIOUS SYSTEMS, DEMONSTRATED THAT IT FULFILLS THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS AND HAS FURNISHED ALL THE REQUIRED CERTIFICATED OF INSPECTION AND APPROVAL.
2. GENERAL PROVISIONS FOR ELECTRICAL WORK:
- DEFINITIONS:

1) "PROVIDE": TO FURNISH, INSTALL AND CONNECT UP COMPLETE AND READY FOR SAFE AND REGULAR OPERATION THE PARTICULAR WORK REFERRED TO UNLESS SPECIFICALLY OTHERWISE NOTED.

2) "INSTALL": TO ERECT, MOUNT AND CONNECT COMPLETE WITH RELATED ACCESSORIES.

3) "FURNISH" OR "SUPPLY": TO PURCHASE, PROCURE, ACQUIRE, AND DELIVER COMPLETE WITH RELATED ACCESSORIES.

4) "WORK": LABOR, MATERIALS, EQUIPMENT, APPARATUS, CONTROLS, ACCESSORIES AND OTHER ITEMS REQUIRED FOR PROPER AND COMPLETE INSTALLATION.

5) "WIRING": RACEWAY, FITTINGS, WIRE, BOXES, AND RELATED ITEMS.

6) "CONCEALED": EMBEDDED IN MASONRY OR OTHER CONSTRUCTION, INSTALLED IN FURRED SPACES, WITHIN DOUBLE PARTITIONS OR HUNG CEILINGS, IN TRENCHES, IN CRAWL SPACES, OR IN ENCLOSURES.

7) "EXPOSED": NOT INSTALLED UNDERGROUND OR "CONCEALED" AS DEFINED ABOVE.

8) "SIMILAR" OR "EQUAL": EQUAL IN MATERIALS, WEIGHT, SIZE, DESIGN AND EFFICIENCY OF SPECIFIED PRODUCT.

TEMPORARY LIGHT AND POWER: PROVIDE TEMPORARY LIGHT AND POWER SYSTEMS AT EARLIEST POSSIBLE DATE WITHIN THE CONSTRUCTION AREAS FOR THE REQUIREMENTS OF ALL TRADES AS HEREIN DESCRIBED. EXTEND SYSTEMS TO NEW CONSTRUCTION AS SOON AS PHYSICALLY POSSIBLE. MAINTAIN SYSTEM DURING WORKING OWNER. PROVIDE ALL REQUIRED MAINTENANCE, INCLUDING LAMPS AND SOCKETS.

- QUALITY ASSURANCE
- 1) QUALITY OF MATERIALS: ALL EQUIPMENT SHALL BE NEW SPECIFICATION GRADE, FREE FROM DEFECTS AND LISTED BY APPROVED TESTING AGENCY AND BEARING THEIR LABEL MATERIALS AND EQUIPMENT OF SIMILAR APPLICATION SHALL BE OF SAME MANUFACTURER, EXCEPT AS NOTED.

2) GUARANTEE: ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED AS DEFINED IN PARAGRAPH 2.C.

CURRENT CHARACTERISTICS:

a. SERVICE: 120/208 VOLT, 1 PHASE, 3 WIRE, 60 HERTZ WITH GROUNDED NEUTRAL.

b. DISTRIBUTION: 120/208 VOLT, 1 PHASE, 3 WIRE, 60 HERTZ WITH GROUNDED NEUTRAL.

HEIGHTS OF OUTLETS:

a. FROM FINISHED FLOOR TO CENTERLINE OF OUTLETS FOR:

RECEPTACLES AND TELEPHONES: 1 FT-6 IN.

WALL SWITCHES: 4 FT-0 IN.

WALL FIXTURES: 7 FT-0 IN.

MOTOR CONTROLLERS: 5 FT-0 IN.

CLOCKS: 7 FT 6 IN

b. EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, ON MOLDING OR BREAK IN WALL SURFACE, IN VIOLATION OF CODE, OR AS NOTED OR DIRECTED.

PRODUCT DELIVERY, STORAGE AND HANDLING

1) MOVING OF EQUIPMENT: WHERE NECESSARY, SHIP IN CARTED SECTIONS OF SIZE TO PERMIT PASSING THROUGH AVAILABLE SPACES.

2) ACCESSIBILITY: FOR OPERATION, MAINTENANCE AND REPAIR, MINOR DEVIATIONS SHALL BE PERMITTED, CHANGES OF MAGNITUDE OR INVOLVING EXTRA COST ARE NOT PERMISSIBLE WITHOUT REVIEW. GROUP CONCEALED ELECTRICAL EQUIPMENT REQUIRING ACCESS WITH EQUIPMENT FREELY ACCESSIBLE THROUGH ACCESS DOORS.

MATERIALS

1) NAMEPLATES: PROVIDE BLACK LAMICOID SHEET WITH 3/4 IN. WHITE LETTERING, FASTENED WITH EPOXY CEMENT FOR EACH DISCONNECT SWITCH, CIRCUIT BREAKER, PANEL, CABINET, TRANSFORMER, ENCLOSURE, MOTOR CONTROLLER AND THE LIKE. NAMEPLATES SHALL DESCRIBE THE NAME AND NUMBER OF EACH COMPONENT.

2) CABLE TAGS: TAG EACH CONDUCTOR PASSING THROUGH SPLICE OR PULLBOX WITH A WHITE LINEN TAG, INDICATING POINT OF ORIGIN AND TERMINATION OF THE CIRCUIT.

INSERTS AND SUPPORTS:

a. INSERTS: STEEL, SLOTTED TYPE, FACTORY PAINTED.

SINGLE ROD: SIMILAR TO GRINNELL FIG. 281.

MULTI-ROD: SIMILAR TO FEE AND MASON SERIES 9000 WITH END CAPS AND CLOSURE STRIPS.

CLIP FORM NAILS FLUSH WITH INSERTS.

MAXIMUM LOADING 75 PERCENT OF RATING.

b. SUPPORTS FROM BUILDING CONSTRUCTION: INSERTS, BEAM CLAMPS, STEEL FISHPLATES (IN CONCRETE FILL ONLY), CANTILEVER BRACKETS OR OTHER MEANS. SUBMIT FOR REVIEW.

c. GROUPED LINES AND SERVICES: TRAPEZE HANGERS OF BOLTED ANGLES OR CHANNELS.

d. WHERE BUILDING CONSTRUCTION IS INADEQUATE: PROVIDE ADDITIONAL FRAMING. SUBMIT FOR REVIEW.

PAINT SHALL BE THE BEST GRADE FOR ITS PURPOSE. DELIVER IN ORIGINAL SEALED CONTAINERS AND APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COLORS SHALL BE AS SELECTED BY ARCHITECT OR ENGINEER. UTILIZE GALVANIZED IRON PRIMER ON PANEL AND PULL BOXES, AFTER FABRICATION. UTILIZE HOT DIPPED GALVANIZED OR DIPPED IN ZINC BASED PRIMER FOR: OUTLET BOXES, JUNCTION BOXES, CONDUIT HANGERS, RODS, INSERTS AND SUPPORTS. ZINC BASED PRIMER WITH FINISH TO MATCH SURROUNDINGS SHALL BE USED FOR MARRED SURFACES OF STEEL EQUIPMENT AND RACEWAYS. A FIELD-APPLIED ZINC BASED PRIME COAT SHALL BE UTILIZED FOR STEEL OR IRONWORK.

BRUSH AND CLEAN WORK PRIOR TO CONCEALING, PAINTING AND ACCEPTANCE. PAINTED EXPOSED WORK SOILED OR DAMAGED; CLEAN AND REPAIR TO MATCH ADJOINING WORK BEFORE FINAL ACCEPTANCE. REMOVE DEBRIS FROM INSIDE AND OUTSIDE OF MATERIAL AND EQUIPMENT.

FINAL LOCATIONS AND MOUNTING ORIENTATIONS OF ALL SWITCHES, RECEPTACLES AND LIGHT FIXTURES SHALL BE VERIFIED WITH ARCHITECT.

ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.

SCOPE OF WORK:

SCOPE OF WORK SHALL CONSIST OF PROVIDING LABOR, MATERIALS, EQUIPMENT, SERVICES AND FEES NECESSARY FOR COMPLETE AND SAFE INSTALLATION IN CONFORMING WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER APPLICABLE INDUSTRY, NATIONAL AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION, AS INDICATED ON DRAWINGS AND HEREIN SPECIFIED.

ALL DRAWINGS, PLANS, DETAILS, SPECIFICATIONS AND SPECIFICATION ADDENDA ARE MADE PART OF THIS CONTRACT AND SHALL APPLY TO ALL WORK UNDER THE CONTRACT UNLESS OTHERWISE AMENDED, MODIFIED, SUPPLIED OR SPECIFIED HEREIN.

THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF FINAL CERTIFICATE FOR PAYMENT AND/OR FROM DATE OR ACTUAL USE OF EQUIPMENT OR OCCUPANCY OF SPACES BY OWNER. INCLUDED UNDER THE VARIOUS PARTS OF THE WORK, WHICHEVER, DATE IS EARLIER, THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDED THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY OF OTHER TRADES AFFECTED BY DEFECTS, REPAIRS OR REPLACEMENTS IN EQUIPMENT SUPPLIED BY THE CONTRACTOR
- THE CONTRACTOR SHALL GIVE NECESSARY NOTICE, FILE DRAWINGS AND SPECIFICATIONS WITH ALL DEPARTMENTS HAVING JURISDICTION, WORK AND PAY ALL FEES THEREFORE. THE CONTRACTOR SHALL ARRANGE FOR INSPECTION AND TESTS OF ANY OR ALL PARTS OF THE WORK IF SO REQUIRED BY AUTHORITIES AND PAY ALL CHARGES FOR SAME. THE CONTRACTOR SHALL PAY ALL COSTS FOR, AND FURNISH TO THE OWNER BEFORE FINAL BILLING, ALL CERTIFICATES NECESSARY AS EVIDENCE THAT THE WORK INSTALLED CONFORMS WITH ALL REGULATIONS WHERE THEY APPLY TO THIS WORK.

CONTRACTOR SHALL PERFORM ALL CONTROLLED INSPECTIONS IN ACCORDANCE WITH THE PENNSYLVANIA BUILDING CODE. SECURE ALL REQUIRED PERMITS AND APPROVALS AND TRANSMIT SAME TO OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES.

AREAS WITH NO ELECTRICAL WORK SHALL REMAIN AS IS. CONTRACTOR SHALL MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS TO ALL AREAS NOT COVERED BY THIS RENOVATION AND SHALL PROVIDE 48 HOUR NOTICE TO LANDLORD OF ANY PLANNED POWER INTERRUPTIONS OR SIGNAL SYSTEM OUTAGES.

SHOP DRAWINGS

PRIOR TO THE INSTALLATION OF ANY WORK AND PROCUREMENT OF EQUIPMENT, CONTRACTOR SHALL PROVIDE COMPLETE SETS OF COORDINATED SHOP DRAWINGS OF ALL NEW AND EXISTING EQUIPMENT, INDICATING CAPACITY, DIMENSIONS AND SEQUENCE OF OPERATION FOR WRITTEN APPROVAL BY THE ARCHITECT AND ENGINEER.

INDICATE ON EACH SHOP DRAWINGS SUBMITTED:

1) PROJECT NAME AND LOCATION

2) NAME OF ARCHITECT AND ENGINEER

3) ITEM IDENTIFICATION

4) APPROVAL STAMP OF PRIME CONTRACTOR

SUBMISSIONS:

1) SUBMISSIONS 11 IN. X 17 IN. OR SMALLER: IF THE SUBMISSION IS A CATALOG CUT, THEN THE CONTRACTOR SHALL SUBMIT ONE ORIGINAL AND TWO COPIES. OTHERWISE, HE SHALL SUBMIT THREE COPIES. THE ARCHITECT WILL FORWARD THE ORIGINAL AND ONE COPY (TWO COPIES WHEN NO ORIGINAL IS RECEIVED) TO THE ENGINEER. ALL CATALOG CUTS SHALL BE COMPLETE.

2) SUBMISSIONS LARGER THAN 11 IN. X 17 IN.: SUBMIT TWO PRINTS AND ONE PAPER SEPIA TO THE ARCHITECT. THE ARCHITECT WILL FORWARD ONE PRINT AND THE PAPER SEPIA TO THE ENGINEER.

SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:

1) SAFETY/DISCONNECT SWITCHES

2) FUSES

3) CIRCUIT BREAKERS

4) PANELBOARDS/LOADCENTER (INCLUDING DIMENSIONS, SCHEDULES, AND CATALOG CUTS).

5) RACEWAYS

6) WIRE AND CABLE

7) WALL SWITCHES

8) INSERTION RECEPTACLES

9) MOMENTARY CONTACT SWITCHES

10) TIME SWITCHES

11) LIGHTING FIXTURES.

ASSIST AND PROVIDE ALL NECESSARY INFORMATION, DIAGRAMS, SKETCHES, ETC. TO THE HVAC CONTRACTOR, FOR THE PREPARATION OF COORDINATED SHOP DRAWINGS INDICATING ROUTING OF FEEDERS, CONTROL CONDUITS, RECESSED FIXTURES AND ADJACENT NEARBY PIPING AND DUCTWORK WHERE APPLICABLE, CERTIFIED BY ALL TRADES THAT COORDINATION HAS BEEN ESTABLISHED. SUBMIT FOUR(4) BOOKBOUND OPERATING AND SERVICE MANUALS WHICH SHALL INCLUDE COPIES OF ALL SHOP DRAWING. PROVIDE SHOP DRAWINGS FOR PANELS, FIXTURES, WIRING DEVICES, CONDUIT, CABLE, DISCONNECT SWITCH, RELAYS, CONTRACTORS, AND OTHER SYSTEMS AS DIRECTED BY THE ENGINEER.

AS-BUILT DRAWINGS AND EQUIPMENT OPERATIONAL INSTRUCTIONS

UPON COMPLETION AND ACCEPTANCE OF WORK, CONTRACTOR SHALL FURNISH WRITTEN INSTRUCTIONS AND EQUIPMENT MANUALS AND DEMONSTRATE TO THE OWNER THE PROPER OPERATION AND MAINTENANCE OF ALL EQUIPMENT AND APPARATUS FURNISHED UNDER THIS CONTRACT.

THESE INSTRUCTIONS SHALL BE TYPED ON 8-1/2 IN. X 11 IN. PAPER AND BOUND IN THREE RING BINDERS WITH CLEAR ACETATE COVERS. CONTRACTOR SHALL GIVE THREE COPIES OF THE INSTRUCTIONS TO THE OWNER AND ONE COPY TO THE ENGINEER.

THE INSTRUCTION BOOKLET SHALL BEAR THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE PROJECT, ARCHITECT AND ENGINEER.

REPRODUCIBLE "AS-BUILT" DRAWINGS SHALL BE PROVIDED INDICATING THE AS INSTALLED CONDITIONS OF THE WORK. "AS-BUILT" DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT AFTER COMPLETION OF THE INSTALLATION.

LOW-VOLTAGE DISTRIBUTION EQUIPMENT:

PROVIDE COMPLETE EQUIPMENT INCLUDING: SWITCHES, FUSES, CIRCUIT BREAKERS, PANELS AND TRANSFORMERS.

ALL EQUIPMENT SHALL CONFORM TO NEMA, ANSI AND IEEE STANDARDS.

DISCONNECT SWITCHES SHALL BE FUSED OR NONFUSED AS NOTED. VOLTAGE SHALL BE AS REQUIRED. SWITCHES SHALL BE HEAVY DUTY, EXCEPT AS NOTED, AND HORSEPOWER RATED FOR MOTOR LOADS. TOGGLE TYPE SWITCHES SHALL BE NONFUSED, LOAD BREAK, HAVING MAXIMUM RATINGS OF 20 AMP AT 600 VOLTS AND 30 AMP AT 240 VOLTS. TWO-POLE SWITCHES SHALL BE SIMILAR TO HART AND HEGEMAN NO. 6808F. THREE-POLE SWITCHES SHALL BE SIMILAR TO HART AND HEGEMAN NO. 7810F. KNIFE-BLADE TYPE SWITCHES SHALL BE LOAD BREAK, QUICK-MAKE- QUICK-BREAK, UL CLASS R UP TO 600 AMP. MAXIMUM RATING EXCEPT AS NOTED SHALL BE 800 AMP. ARC QUENCHERS SHALL BE PROVIDED. SWITCHES SHALL BE SIMILAR TO GENERAL ELECTRIC QMR. ALL SWITCH ENCLOSURES SHALL BE DEAD FRONT, NEMA TYPE 1, EXCEPT AS NOTED.

FUSES:

CIRCUITS 0 TO 600 AMPERES SHALL BE PROTECTED BY FUSES SIMILAR TO CURRENT LIMITING BUSSMAN LOW-PEAK DUAL-ELEMENT TIME-DELAY LPN-RK (AMP)SP (250V) /LPS-RK (AMP)SP (600V) OR LPJ (AMP)SP (600V) (UL CLASS RK1 OR CLASS J), AND BE LISTED BY UL WITH AN INTERRUPTING RATING OF 300,000 AMPERES RMS SYMMETRICAL.

MOTOR CIRCUITS - ALL INDIVIDUAL MOTOR CIRCUITS WITH FULL LOAD AMPERE RATINGS (FLA) OF 480 AMPERES OR LESS SHALL BE PROTECTED BY FUSES SIMILAR TO CURRENT LIMITING BUSSMANN LOW-PEAK DUAL-ELEMENT TIME-DELAY LPN-RK (AMP)SP (250V) /LPS-RK (AMP)SP (600V) OR LPJ (AMP)SP (600V) (UL CLASS RK1 OR CLASS J), AND BE LISTED BY UL WITH AN INTERRUPTING RATING OF 300,000 AMPERES RMS SYMMETRICAL.

ALL FUSES SHALL BE PROVIDED BY SAME MANUFACTURER.

PROVIDE 1 SPACE MATCHING FUSE FOR EACH SET OF 3.

CIRCUIT BREAKERS: MOLDED CASE BREAKERS SHALL BE THERMAL-MAGNETIC, QUICK-MAKE-QUICK-BREAK, BOLT-ON TYPE, MANUALLY OPERATED WITH INSULATED TRIP-FREE HANDLE. MULTI-POLE TYPE BREAKERS SHALL CONTAIN INTERNAL TRIP BAR. TERMINALS SHALL BE SUITABLE FOR COPPER OR ALUMINUM CABLE. FURNISH AUXILIARY DEVICES WHERE REQUIRED FOR SHUNT-TRIPPING, OPEN AND CLOSE MOTOR OPERATOR AND ALARM INDICATION. ENCLOSURES SHALL BE DEAD FRONT, NEMA TYPE 1, EXCEPT AS NOTED. FRAMES, IC AND INTERCHANGEABLE TRIPS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:

1) 120 VOLTS, 100-AMP FRAME: 10,000 AMPS, 1 POLE.

2) 120/240 VOLTS, 225-AMP FRAME: 22,000 AMPS MINIMUM

RACEWAYS:

PROVIDE RACEWAYS COMPLETE WITH BOXES, FITTINGS AND ACCESSORIES. CONDUIT OR TUBING SIZES REFERRED TO IN SPECIFICATIONS AND ON DRAWINGS ARE NOMINAL DIAMETERS. MINIMUM DIAMETER SHALL BE 3/4 IN.

MATERIALS

1) RACEWAYS:

a. RIGID STEEL CONDUIT: FULL-WEIGHT PIPE, GALVANIZED, THREADED.

b. ELECTROMETALLIC TUBING (EMT): THIN WALL PIPE, GALVANIZED, THREADLESS.

c. FLEXIBLE STEEL CONDUIT: CONTINUOUS SINGLE STRIP, GALVANIZED.

d. WIREWAYS: WIRE SHALL BE AS NOTED, MINIMUM NO. 16 GAUGE STEEL WITH GROUND CONTINUITY. FINISH SHALL BE BAKED ENAMEL. COVERS SHALL BE SCREW-ON.

e. SURFACE METAL RACEWAY: SIZE AS NOTED. BASE 0.04 IN., COVER 0.25 IN. MATERIAL SHALL BE STEEL. FINISH SHALL BE BAKED ENAMEL. COVERS SHALL BE SCREW-ON.

2) FITTINGS AND ACCESSORIES:

a. RIGID STEEL: NONSPLIT, THREADED, STEEL OR MALLEABLE IRON. ZINC DIE CAST NOT PERMITTED.

b. ELECTROMETALLIC TUBING: COMPRESSION TYPE. GALVANIZED RIGID STEEL ELBOWS, 2 IN. OR LARGER.

c. FLEXIBLE METALLIC CONDUIT: ANGLE WEDGE TYPE WITH INSULATED THROAT.

3) BOXES:

a. OUTLET BOXES: EXCEPT AS OTHERWISE REQUIRED BY CONSTRUCTION, DEVICES OR WIRING, BOXES SHALL BE STAMPED STEEL, 4 IN. SQUARE OR OCTAGON FOR FIXTURES. BOXES ABOVE CEILING SHALL BE 1-1/2 IN. DEEP. BOXES IN CEILING OR SLAB SHALL BE 3 IN. DEEP. BOXES IN WALL FOR FIXTURES SHALL BE 2-3/4 IN. DEEP. BOXES IN WALL FOR RECEPTACLES AND SWITCHES SHALL BE 1-1/2 IN. DEEP. FURNISH WITH RAISED COVERS AND FIXTURE STUDS WHERE REQUIRED, WITHOUT FIXTURE OR DEVICE; FURNISH BLANK COVER. OFFSET BACK-TO-BACK OUTLETS WITH MINIMUM 6 IN. SEPARATION.

b. JUNCTION AND PULL BOXES: GALVANIZED SHEET STEEL WITH SCREW-ON COVERS, EXCEPT AS NOTED. FURNISH WITH INSULATED SUPPORTS FOR CABLES. LOCATIONS SHALL BE AS NOTED OR REQUIRED AND ACCESSIBLE. PROVIDE BARRIERS IN NEW AND RENOVATED BOXES BETWEEN 120/208 VOLT AND 265/460 VOLT WIRING AND BETWEEN EMERGENCY AND NORMAL WIRING. FLOOR BOXES SHALL BE SUITABLE FOR CONDUIT AND DEVICES NOTED. RAISED OUTLETS SHALL BE HUBBELL #B2414 SERIES WITH ABOVE FLOOR FITTING. TELEPHONE, BUSHED HOLE. POWER: DUPLEX RECEPTACLE OR OTHER AS NOTED. INCREASE SIZE TO SUIT AS NECESSARY. FLUSH OUTLETS SHALL BE HUBBELL #B2414 SERIES WITH FLUSH FLOOR FITTING FOR TELEPHONE AND FLUSH DUAL FLAP COVER WITH DUPLEX RECEPTACLE FOR POWER AS NOTED. INCREASE SIZE TO SUIT AS NECESSARY.

ELECTRICAL SPECIFICATIONS SHEET 1 OF 2

E002

Scale

1/4" = 1'-0"

Packet Pg. 115

19781 Crawford Avenue, Flossmoor, Illinois

Attachment: Complete Class 8 Application Rainbow Cone Flossmoor (Rainbow Cone Class 8 Resolution - 19805 Crawford Avenue)

ELECTRICAL SPECIFICATIONS

C. PROVIDE RACEWAYS ONLY AS HEREIN SPECIFIED, EXCEPT AS NOTED. RACEWAYS SHALL BE RUN CONCEALED, EXCEPT AS NOTED.

PROVIDE RACEWAY SUPPORT UTILIZING CEILING TRAPEZE, STRAP HANGERS, OR WALL BRACKETS. PROVIDE U-BOLTS AT EACH FLOOR LEVEL OF RISER RACEWAYS AND CONNECTED TO ACCEPTABLE SUPPORTS. PROVIDE RISER CLAMPS AT EACH FLOOR LEVEL OF RISER RACEWAYS AND RESTING ON SLAB. FOR THROUGH-THE-FLOOR SYSTEMS, UTILIZE AN ASSEMBLY SIMILAR TO HUBBELL FIRE RATED POKE-THROUGH-FLOOR BOX SYSTEM. FOR ABOVE FLOOR FITTINGS, TELEPHONE SHALL BE PUSHED HOLE AND POWER SHALL BE DUPLEX RECEPTACLE OR OTHER AS NOTED. PROVIDE SEPARATION BARRIER BETWEEN POWER AND TELEPHONE COMPARTMENTS. PROVIDE JUNCTION BOX ON UNDERSIDE OF FLOOR. PACK FITTING TO RESTORE FIRE RATING OF FLOOR.

SECURE ALL RACEWAYS TO SUPPORTS WITH PIPE STRAPS OR U-BOLTS. SPACING OF SUPPORTS SHALL BE A MINIMUM OF 10 FT ON CENTER FOR METALLIC RACEWAY AND AS REQUIRED FOR NONMETALLIC RACEWAY. SPACING SHALL BE 5 FT ON CENTER FOR WIREWAYS AND PER CODE AND AS NOTED FOR OTHERS. MOUNT SUPPORTS TO STRUCTURE MASONRY WITH TOGGLE BOLTS ON HOLLOW MASONRY, EXPANSION SHIELDS OR INSERTS IN CONCRETE AND BRICK, MACHINE SCREWS ON METAL BEAM CLAMPS ON FRAMEWORK, WOOD SCREWS ON WOOD, AND PAN THROUGH STRAPS IN METAL DECK, NAILS, RAWL PLUGS OR WOOD PLUGS SHALL NOT BE PERMITTED. WHERE REQUIRED BY STRUCTURE, FURNISH THROUGH BOLTS AND FISHPLATES.

EXPPOSED RACEWAYS SHALL BE RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS. PROVIDE CLEARANCE WITH WATER, STEAM OR OTHER PIPING (MINIMUM 3 IN. SEPARATION FROM STEAM AND HOT WATER PIPES, EXCEPT 1 IN. FROM PIPE COVER AT CROSSINGS AND 18 IN. FOR PARALLEL RUNS). FOR HUNG CEILING OUTLETS, RUN IN HUNG CEILING AND CONNECT TO CEILING SUPPORT CHANNELS. IN MASONRY AND POURED CONCRETE, RUN VERTICALLY ONLY.

MAINTAIN GROUNDING CONTINUITY OF INTERRUPTED METALLIC RACEWAYS WITH GROUND CONDUCTOR, AND IN FLEXIBLE CONDUIT FOR FEEDERS AND MOTOR TERMINAL CONNECTIONS.

EMPTY RACEWAYS OVER 10 FT LONG: PROVIDE FISH OR PULL WIRE, GALVANIZED OR NYLON ROPE.

RIGID STEEL CONDUIT SHALL BE PERMITTED FOR FEEDERS AND BRANCH CIRCUITS. PAINT MALE THREADS OF FIELD-THREADED CONDUIT WITH GRAPHITE-BASE PIPE COMPOUND AND BUTT CONDUIT ENDS. TOUCH UP MARRED SURFACES AND FIELD-CUT THREADS, CRC-COLD GALVANIZED. EMT SHALL BE PERMITTED FOR BRANCH CIRCUITS ONLY, IN DRY LOCATIONS, DRY WALLS, HUNG CEILINGS, HOLLOW BLOCK WALLS AND FURRED SPACES. EMT SHALL NOT BE PERMITTED IN RAISED FLOORS. FLEXIBLE STEEL CONDUIT SHALL BE UTILIZED FOR SHORT CONNECTIONS WHERE RIGID CONDUIT IS IMPRACTICAL. FROM OUTLET BOX TO RECESSED LIGHTING FIXTURE: PROVIDE MINIMUM 4 FT AND MAXIMUM 6 FT LENGTHS. FOR FINAL CONNECTION TO MOTOR TERMINAL BOX, TRANSFORMER AND OTHER VIBRATING EQUIPMENT: PROVIDE WITH POLYVINYL SHEATHING AND GROUND CONDUCTOR. MINIMUM LENGTH 18 IN. WITH SLACK. CONNECT GROUND CONDUCTOR TO ENCLOSURE OR RACEWAY AT EACH END. FOR EXPANSION JOINT CROSSINGS, CROSS AT RIGHT ANGLES AND ANCHOR ENDS.

CUT CONDUIT ENDS SQUARE. REAM SMOOTH. PAINT MALE THREADS OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLING.

ALL COUPLINGS SHALL BE COMPRESSION TYPE. NO SET SCREW FITTINGS.

EXPANSION FITTINGS SHALL BE INSTALLED AT RIGHT ANGLES WITH CLIP JOINT CENTERED IN EXPANSION JOINT. PROVIDE A LENGTH OF RUN IN ACCORDANCE MANUFACTURER'S RECOMMENDATIONS. PRESET FITTINGS SHALL ALLOW FOR TEMPERATURE VARIATION.

RACEWAYS PASSING THROUGH FIRE-RATED CONSTRUCTION: SEAL OPENING WITH FIRE SEALANT.

D. PROVIDE CABLE SUPPORTS IN ACCORDANCE WITH NATIONAL ELECTRIC CODE ARTICLE 300.19. CABLE SUPPORTS SHALL UTILIZE A ONE-PIECE PLUG WITH POZI-GRIP WEDGING PLUG AS MANUFACTURED BY OZ-GEDNEY. TYPE SF SHALL BE USED FOR ARMORED CABLE.

INSTALL CABLE SUPPORTS AT THE TOP OF A VERTICAL RISE AND PROVIDE INTERMEDIATE ADDITIONAL SUPPORTS AS REQUIRED TO LIMIT SUPPORTED CONDUCTOR LENGTHS TO NOT GREATER THAN THOSE SPECIFIED IN TABLE 300.19(A).

ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. OUTLET BOXES SHALL BE SET SQUARE AND TRUE WITH BUILDING FINISH. SECURE TO BUILDING STRUCTURE BY ADJUSTABLE STRAP IRON OR GROUT IN WITH MASONRY. VERIFY OUTLET LOCATIONS IN FINISHED SPACES WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISHES. PROVIDE BARRIERS BETWEEN SWITCHES CONNECTED TO DIFFERENT PHASES FOR VOLTAGES EXCEEDING 150 VOLTS TO GROUND.

PANEL, JUNCTION AND PULL BOXES SHALL BE LOCATED CLEAR OF OTHER TRADES. CONCEAL JUNCTION AND PULL BOXES IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. BOXES SHALL BE ACCESSIBLE. SUPPORT BOXES FROM BUILDING STRUCTURE, INDEPENDENT OF CONDUIT. PROVIDE FLOOR-TO-CEILING CHANNELS FOR MOUNTING ON DRYWALL AND LIGHTWEIGHT CONSTRUCTION. OUTLET BOXES FOR FIXTURES RECESSED IN HUNG CEILINGS SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURE. SECURE TO BLACK IRON SUPPORT. MOTOR TERMINAL BOXES: COORDINATE WITH MOTOR BRANCH CIRCUIT CONDUIT AND WIRING; ADD BOX VOLUME WHERE REQUIRED.

E. FIRE SEALANTS: PROVIDE FOR RACEWAYS AND WIRE PASSING THROUGH FLOOR SLOTS, SLEEVES OR OPENINGS IN FIRE-PARTITIONS ROOMS.

F. PERFORM CONTINUITY TESTS OF RESISTANCE OF FEEDER CONDUITS FROM SERVICE TO POINT OF FINAL DISTRIBUTION USING 1 CONDUCTOR RETURN. MAXIMUM RESISTANCE SHALL BE 25 OHMS.

10. WIRE AND CABLE:

A. PROVIDE WIRE AND CABLE COMPLETE WITH ACCESSORIES. SIZE REFERENCE SHALL BE AWG EXCEPT AS NOTED.

B. CONDUCTORS SHALL BE COPPER, ASTM STANDARD SOLID (NO. 10 AND SMALLER) OR STRANDED (NO. 8 AND LARGER). GENERAL USE CABLING SHALL BE NO. 12 MINIMUM. AT 120 VOLTS AND OVER 100 FT CIRCUIT LENGTH PROVIDE NO. 10 MINIMUM. AT 265 VOLTS AND OVER 200 FT CIRCUIT LENGTH PROVIDE NO. 10 MINIMUM.

C. CONTROL AND ALARM CABLING, EXCEPT AS NOTED, SHALL BE NO. 14 MINIMUM. AT 120 VOLTS AND OVER 200 FT CIRCUIT LENGTH PROVIDE NO. 12 MINIMUM. OTHER VOLTAGES AND PHASES: ADJUST CABLE SIZING AS REQUIRED TO MAINTAIN VOLTAGE DROP. INCREASE RACEWAY SIZES FOR LARGER WIRE AS REQUIRED.

D. INSULATION SHALL BE RUBBER AND THERMOPLASTIC MEETING ASTM AND IPCEA STANDARDS. TYPE THW OR THWN SHALL BE UTILIZED FOR FEEDERS AND BRANCH CIRCUITS EXCEPT AS NOTED. TYPE GFF-2 SHALL BE UTILIZED FOR BRANCH CIRCUITS LOCATED IN WIRING CHANNELS OF CONTINUOUS FLUORESCENT FIXTURES AND IN AMBIENT TEMPERATURES OVER 90 DEG C. FOR UNGROUNDED ISOLATED BRANCH CIRCUITS PROVIDE CROSS-LINKED POLYETHYLENE INSULATION (TYPE XHHW).

E. ARMORED CABLE (BX) SHALL BE UTILIZED FOR BRANCH CIRCUITS IN DRY HOLLOW LOCATIONS, HUNG CEILINGS, AND BLOCK WALLS. WHEN USED IN LIEU OF WIRING IN CONDUIT, STATE IN PROPOSAL THAT PRICE IS BASED UPON THE USE OF HOSPITAL GRADE "BX".

F. COLOR CODING SHALL BE AS FOLLOWS:

120/208 VOLT SYSTEM:
BLACK FOR A PHASE
RED FOR B PHASE
BLUE FOR C PHASE

1) NEUTRAL WIRE SHALL UTILIZE WHITE OUTER COVERING THROUGHOUT. EQUIPMENT GROUND WIRE SHALL UTILIZE GREEN OUTER COVERING THROUGHOUT.

WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION TO OVERLAP CONDUCTORS WITH 6 IN. OF COLOR TAPING IN ACCESSIBLE LOCATIONS.

G. PROVIDE FLAMEPROOF LINEN OR FIBER TAGS IN ACCESSIBLE LOCATIONS. FOR FEEDERS INDICATE FEEDER NUMBER, SIZE, PHASE AND POINTS OF ORIGIN AND TERMINATIONS. FOR CONTROL AND ALARM WIRING INDICATE TYPE (CONTROL OR ALARM), SIZE OF WIRE, AND POINTS OF ORIGIN AND TERMINATIONS.

H. TERMINATIONS, SPLICES AND TAPS UNDER 600 VOLTS: COPPER CONDUCTORS NO. 10 AND SMALLER SHALL UTILIZE COMPRESSION-TYPE OF TWIST-ON SPRING-LOADED CONNECTORS AND CLEAR NYLON-INSULATED COVERING. COPPER CONDUCTORS NO. 8 AND LARGER SHALL UTILIZE MECHANICAL BOLTED PRESSURE OR HYDRAULIC COMPRESSION TYPE USING MANUFACTURER'S RECOMMENDED TOOLING. CABLE LUGS AND CONNECTORS SHALL UTILIZE COMPRESSION TYPE OF SAME METAL AS CONDUCTOR. PROVIDE TO MATCH CABLE, WITH MARKING INDICATING SIZE AND TYPE. COPPER LUG CONNECTIONS TO BUS BARS: USE ANTISEIZE COMPOUND ON TANG.

I. NOT MORE THAN 3 LIGHTING OR CONVENIENCE OUTLET CIRCUITS SHALL BE INSTALLED IN ONE CONDUIT UNLESS OTHERWISE INDICATED. PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 DEG F. PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS OF 120/208 AND 265/460 VOLT SYSTEMS, EXCEPT 460 VOLT MOTOR BRANCH CIRCUIT WIRING AND RELATED 120 VOLT CONTROL WIRING. THERMOPLASTIC WIRES SHALL NOT BE INSTALLED IN COMPUTER AREA RAISED FLOORS.

J. LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL CONNECTIONS.

K. PERFORM CONTINUITY AND INSULATION TESTS. MEGGER TEST 100 PERCENT OF FEEDERS, 10 PERCENT OF BRANCH CIRCUITS AND ALL MOTOR BRANCH CIRCUITS OVER 25 HP.

PERFORM TESTS PRIOR TO CONNECTING EQUIPMENT AND IN PRESENCE OF AUTHORIZED REPRESENTATIVES. SUBMIT WRITTEN REPORT OF RESULTS. CORRECT OR REPLACE CABLE TESTING BELOW MANUFACTURER'S STANDARDS.

11. WIRING DEVICES:

A. WIRING DEVICES SHALL BE SPECIFICATION GRADE UNLESS OTHERWISE SPECIFIED. ALL DEVICES SHALL BE FLUSH MOUNTED, UNLESS OTHERWISE NOTED. PROVIDE COMPLETE MATERIAL AND ACCESSORIES AS NOTED.

B. LOCAL WALL SWITCHES SHALL BE ROCKER TYPE, QUIET OPERATING, RATED 20 AMP, 120/277 VOLT, AC. SIMILAR TO LEVITON DECORA SERIES A5621 (SINGLE POLE), A5623 (3-WAY) AND A5624 (4-WAY).

C. DEVICE PLATES: SEE ARCHITECT FOR TYPE. FOR RECEPTACLES WITH OTHER THAN 120 VOLT, INSCRIBED VOLTAGE AVAILABLE.

D. COLORS: COORDINATE COLORS WITH ARCHITECT.

E. MOUNTING ORIENTATION OF RECEPTACLES (HORIZONTAL OR VERTICAL): COORDINATE WITH ARCHITECT.

12. LIGHTING FIXTURES:

A. FIXTURES TO BE AS SPECIFIED BY ARCHITECT AND SHALL BE COMPLETELY FACTORY ASSEMBLED, WIRED AND EQUIPPED WITH ALL NECESSARY SOCKETS, BALLASTS, SUPPORTING HARDWARE AND ACCESSORIES. REFER TO DRAWINGS FOR INDIVIDUAL FIXTURE DESCRIPTIONS.

B. FIXTURE CATALOG NUMBERS USED TO ILLUSTRATE EQUIPMENT TYPE DO NOT NECESSARILY DENOTE REQUIRED MOUNTING EQUIPMENT OR ACCESSORIES. PROVIDE ACCESSORIES TO SUIT.

C. BALLAST: CLASS P, HIGH POWER FACTOR, LOWEST AVAILABLE NEMA RATED NOISE LEVEL, E11 AND CBM APPROVED. ENERGY SAVING TYPE. TRIGGER START FOR 24-INCH LAMPS AND RAPID START FOR 48-INCH. TWO LAMP BALLASTS; NO THREE LAMP BALLASTS. BALLASTS SHALL BE ADVANCE MAGNETEK, UNIVERSAL OR EQUAL.

D. LED DRIVERS SHALL BE ELECTRONIC TYPE, LABELED AS COMPLIANT WITH RADIO FREQUENCY INTERFERENCE (RFI) REQUIREMENTS OF FCC TITLE 47, PART 15 AND COMPLY WITH NEMA SSL 1 "ELECTRONIC DRIVERS FOR LED DEVICES, ARRAYS OR SYSTEMS". LED DRIVERS SHALL HAVE A SOUND RATING OF "A", HAVE A MINIMUM EFFICIENCY OF 85% AND BE RATED FOR A THD OF LESS THAN 20% AT ALL INPUT VOLTAGES.

E. DIMMABLE LED DRIVERS SHALL BE CAPABLE OF DIMMING WITHOUT LED STROBING OR FLICKER ACROSS THEIR FULL DIMMING RANGE. PROVIDE TYPE OF LED DRIVER AS PER LIGHTING FIXTURE SCHEDULE. DIMMABLE LED DRIVERS SHALL BE 0-10V WHERE NOT INDICATED.

F. CONTINUOUS ROW, TWO LAMP STRIP FIXTURES SHALL BE STAGGERED TYPE.

G. FLUORESCENT LIGHTING FIXTURES, INCLUDING GENERAL CONSTRUCTION, LAMPS AND BALLASTS SHALL CONFORM TO THE ENERGY EFFICIENCY REQUIREMENTS OF CONSOLIDATED EDISON CO. AND QUALITY FOR A UTILITY REBATE TO OWNER UNDER CON EDISON'S ENLIGHTENED ENERGY LIGHTING REBATE PROGRAM. CONTRACTOR SHALL COORDINATE REBATE PROGRAM WITH CON EDISON AND ARRANGE FOR CON EDISON TO PERFORM A SURVEY TO INVENTORY ALL EXISTING FIXTURES PRIOR TO DEMOLITION.

H. EXIT SIGNS SHALL BE PRECISION DIE-CAST ALUMINUM HOUSING WITH LASER-FORMED ACRYLIC LEGEND. EXIT SIGNS SHALL COMPLY WITH UL 924 AND BE MEA APPROVED FOR USE IN CHELSEA CITY, AC POWERED WITH PREMIUM LONG-LIFE NICKEL CADMIUM BATTERY WITH STANDARD UL LISTED 3-HOUR RUN TIME. PROVIDE WITH INTEGRAL AUTOMATIC CHARGER IN A SELF CONTAINED POWER PACK. LED INDICATOR WITH PUSH TO TEST SWITCH.

13. GROUNDING AND BONDING:

A. PROVIDE GROUNDING SYSTEM IN ACCORDANCE WITH (NATIONAL ELECTRICAL CODE AND THESE SPECIFICATIONS. THE WIRING SYSTEM SHALL BE INSTALLED AS REQUIRED TO PROVIDE A CONTINUOUSLY GROUNDED SYSTEM. WHERE FLEXIBLE CONDUIT IS USED FOR PART OF A CONDUIT RUN, EXCEPT LIGHTING BRANCH CIRCUITS, AN INSULATED GROUNDING CONDUCTOR SHALL BE PROVIDED IN THE CONDUIT AND CONNECTED TO GROUNDING BUSHINGS AT EACH END OF THE RUN.

B. USE EXOTHERMIC WELDING PROCESS FOR INACCESSIBLE CONNECTIONS.

C. EXTEND EXISTING SYSTEM GROUND TO INCLUDE ALL THE ELECTRICAL EQUIPMENT IN THE SCOPE OF WORK.

D. WHERE FLEXIBLE METALLIC CONDUIT IS USED AN INTERNAL BONDING CONDUCTOR SHALL BE INSTALLED.

E. IN ADDITION, FURNISH A SEPARATE INSULATED GREEN EQUIPMENT GROUND CONDUCTOR WHERE INDICATED ON DRAWINGS AND FOR THE FOLLOWING BRANCH CIRCUITS:

1) CIRCUITS SERVING ANY WALL BOX DIMMER.

2) CIRCUITS SERVING ANY ISOLATED GROUND RECEPTACLES. TERMINATE GROUND DIRECTLY AT AN EQUIPMENT GROUNDING CONDUCTOR TERMINAL OF THE SOURCE AT THE SOURCE , OR AS OTHER WISE NOTED ON DRAWINGS.

3) CIRCUITS SERVING ANY DUPLEX OR SIMPLEX COMPUTER RECEPTACLES

4) ANY CIRCUIT SERVED VIA AN ISOLATION TRANSFORMER OR COMPUTER POWER DISTRIBUTION UNIT.

14. PANELBOARDS:

A. PANELBOARDS SHALL BE OF THE DEAD FRONT TYPE MANUFACTURED IN CODE GAUGE AND SIZE BOXES FOR MOUNTING AS INDICATED ON PLANS COMPLETE WITH TRIM, DOORS AND LOCKS. ALL LOCKS SHALL BE KEYED ALIKE.

B. CIRCUIT BREAKERS SHALL BE OF THE BOLT-ON THERMAL MAGNETIC MOLDED CASE TYPE, AND SHALL HAVE THE TRIP RATINGS AND NUMBER OF POLES SHOWN IN SCHEDULES ON THE CONTRACT DRAWINGS. FOR BLANK (SPACE) COMPARTMENTS, PROVIDE FULL RATED BUS. MINIMUM GUTTER SPACES SHALL BE 5-3/4", SIDES, TOP AND BOTTOM, INCREASE FOR THROUGH FEEDERS. PROVIDE 25% COPPER GROUND BUS AND 100% COPPER NEUTRAL BUS AND INCREASE NEUTRAL BUS INDICATED.

C. LOCKING TABS SHALL BE PROVIDED ON ALL CIRCUIT BREAKERS SERVING EMERGENCY LIGHTING, FIRE ALARM SYSTEM, SECURITY SYSTEMS AND OTHER EMERGENCY OR CRITICAL EQUIPMENT AND AS NOTED ON THE CONTRACT DRAWINGS. A TOTAL OF 5 SPARE LOCKING TABS SHALL BE FURNISHED TO THE OWNER.

D. BUSES SHALL BE HARD DRAWN COPPER OF 98 PERCENT CONDUCTIVITY AND SHALL HAVE CROSS SECTIONAL AREAS LARGE ENOUGH TO LIMIT THE TEMPERATURE RISE, WHEN CARRYING FULL LOAD, TO 35 DEGREES C. ABOVE AN AMBIENT INSIDE THE ENCLOSURE OF 58 DEGREES C. AS DEFINED IN IEEE STANDARD RULES. MAIN BUS CAPACITY SHALL BE AS SHOWN ON THE CONTRACT DRAWINGS.

E. ENCLOSURES SHALL BE SURFACE OR FLUSH AS INDICATED. TRIMS SHALL BE SECURED TO PANEL WITH MACHINE SCREWS. COVERS SHALL BE HINGED DOOR-IN-DOOR CONSTRUCTION WITH CYLINDER LOCKS AND CATCHES. LOCKS MUST BE COMPATIBLE WITH BUILDING STANDARD KEY SYSTEM AND WHEN NONE EXISTS, THEY SHALL BE SIMILAR TO A YALE NO. 911 KEY.

F. DISTRIBUTION AND SUB-DISTRIBUTION PANELBOARD SHALL BE A MINIMUM OF 30" WIDE AND 10" DEEP.

G. ALL STANDARD PANELBOARDS SHALL BE A MINIMUM OF 20" WIDE AND 5 3/4" DEEP.

H. FURNISH ALL PANELBOARDS WITH FEED-THRU LUGS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

I. ALL NEW PANELBOARDS SHALL BE PROVIDED WITH AN ENGRAVED WHITE CORE LAMACOID NAMEPLATE, WITH 3/4 IN. WHITE LETTERING ON A BLACK BACKGROUND, WITH DESIGNATION LISTED (PANELBOARD NAME), FASTENED WITH EPOXY CEMENT OR OVAL HEAD CHROME PLATED MACHINE SCREWS.

J. THE CIRCUIT DIRECTORY SHALL BE TYPEWRITTEN AND PROVIDED INSIDE EACH PANEL DOOR TO INDICATE EQUIPMENT AND/OR AREA SERVED. DIRECTORY HOLDER SHALL BE METAL FRAME WITH CLEAR PLASTIC, TRANSPARENT COVER. THE TYPEWRITTEN LIST INDICATING CIRCUIT NUMBERS, OUTLETS SUPPLIED AND THEIR LOCATIONS SHALL BE PROVIDED.

K. TIE-BARS SHALL NOT BE USED TO CREATE MULTI-POLE CIRCUITS. MAXIMUM 42 CIRCUITS ALLOWED.

L. ONLY ONE WIRE SHALL BE INSTALLED UNDER EACH CIRCUIT BREAKER LUG.

M. SHORT CIRCUIT RATING OF PANELBOARDS SHALL NOT BE LESS THAN AS INDICATED ON THE CONTRACT DRAWINGS OR SPECIFIED HEREIN, WHERE NOT INDICATED OR SPECIFIED THE MINIMUM SHORT CIRCUIT RATING SHALL BE EQUAL TO THE INTERRUPTING CAPACITY OF THE LOWEST RATED CIRCUIT BREAKER IN THE PANELBOARD, BUT IN NO CASE LESS THAN 10,000 AMPERES R.M.S. SYMMETRICAL FOR 208Y/120 VOLT SYSTEM AND 14,000 AMPERES R.M.S. SYMMETRICAL FOR 480Y/277 VOLT SYSTEM. SERIES RATED PANELBOARDS SHALL BE USED TO ACHIEVE REQUIRED SHORT CIRCUIT RATINGS.

N. FOR ALL EXISTING PANELBOARDS, CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS TO REPLACE EXISTING AS REQUIRED AS INDICATED ON DRAWINGS.

15. TELEPHONE/ DATA/ TELEVISION CABLING SYSTEM

A. PROVIDE COMPLETE SYSTEM CONSISTING OF CABLING/ WIRING, OUTLETS BOXES, SLEEVES AND FISHWIRES AS REQUIRED.

B. EQUIPMENT SHALL BE LATEST MODEL YEAR AVAILABLE IN ACCORDANCE WITH UTILITY COMPANY AND TV PROVIDE REQUIREMENTS.

C. OUTLETS SHALL BE:

1) WALL: 4 IN. SQUARE WITH REDUCING COVER

D. CABLE SHALL BE COMPOSITE CABLE, BELDEN 53530F, MEETING ANSI/TIA/EIA-570-B RESIDENTIAL INFRASTRUCTURE GRADE 2 WIRING REQUIREMENTS CONSISTING OF:

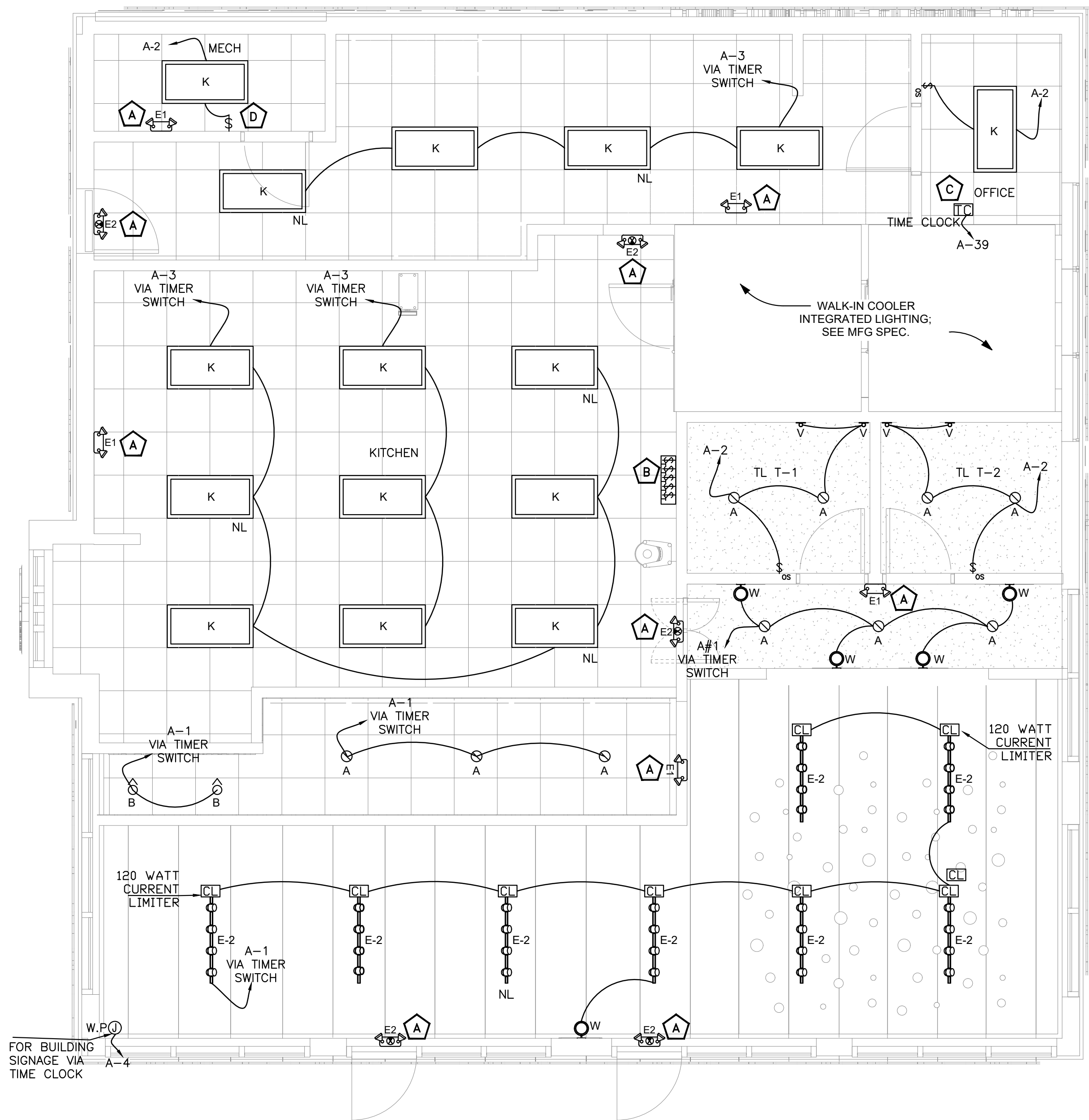
1) COAXIAL: (2) RG6 DUOBOND PLUS SHIELD - 3.0GHZ
2) DATA: (2) CAT6 - 24AWGUTP, NEC CMR RATED, 3RD PARTY VERIFIED TO TIA/EIA-568-B 2.1
3) FIBER OPTIC: 62.5/125 NM MULTIMODE FIBER OPTIC CABLE

E. RUN COMPOSITE CABLE FROM EACH DATA, TELEPHONE OR TELEVISION LOCATION TO 'NID' BOX IN APARTMENT OR AS INDICATED ON DRAWINGS IF DIFFERENT.

ELECTRICAL SPECIFICATIONS SHEET 2 OF 2

E003

Scale 1/4" = 1'-0"



1 ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL LIGHTING PLAN KEYED WORK NOTES:

- A CONNECT ALL EMERGENCY EGRESS LIGHTING AND NIGHT LAMP FIXTURES TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS PER STATE AND LOCAL CODES.
- B COORDINATE EXACT LOCATION OF TIMER SWITCH BANK WITH OWNER/ARCHITECT, PROVIDE DIMMERS IF REQUIRED BASE BID ACCORDINGLY.
- C E.C. TO COORDINATE THE BUILDING SIGNAGE CONNECTION REQUIREMENTS WITH SIGN VENDOR. BASE BID ACCORDINGLY.
- D LIGHTING CONTROL IN THE ROOM SHALL NOT BE WITH AUTOMATIC MEANS AS PER NEC 110.26(D).

ELECTRICAL LIGHTING PLAN GENERAL NOTES:

1. VERIFY ALL LUMINAIRE COLORS, TRIMS, LENGTHS, ETC. WITH THE ARCHITECT PRIOR TO PLACING FINAL PURCHASE ORDERS. SUBMISSION OF SHOP DRAWINGS WILL BE INTERPRETED AS HAVING BEEN COORDINATED WITH THE ARCHITECTURAL DRAWINGS.
2. PROVIDE ALL LENGTHS, FEEDS, ACCESSORIES, CONNECTORS, WIRING, POWER SUPPLIES, DRIVERS ETC. FOR A COMPLETE INSTALLATION. THE E.C. SHALL VERIFY THE COMPLETE BILL OF MATERIAL WITH MANUFACTURER'S REPRESENTATIVE AND ENSURE ALL EQUIPMENT ARE INCLUDED IN BID PRICE. COORDINATE INSTALLATION WITH ARCHITECTURAL DETAILS.
3. VERIFY FINAL LUMINAIRE LOCATIONS WITH OTHER CEILING MOUNTED EQUIPMENTS SUCH AS DIFFUSER WITH ARCHITECTURAL REFLECTED CEILING PLANS.
4. VERIFY EXACT MOUNTING HEIGHT AND LOCATIONS OF ALL WALL MOUNTED LUMINAIRE WITH ARCHITECTURAL PLANS AND ELEVATIONS PRIOR TO ROUGH-IN.
5. CURRENT LIMITERS REQUIRED FOR THE TRACK LIGHTING SHALL BE COORDINATED WITH THE LIGHTING VENDOR. BASE BID ACCORDINGLY.

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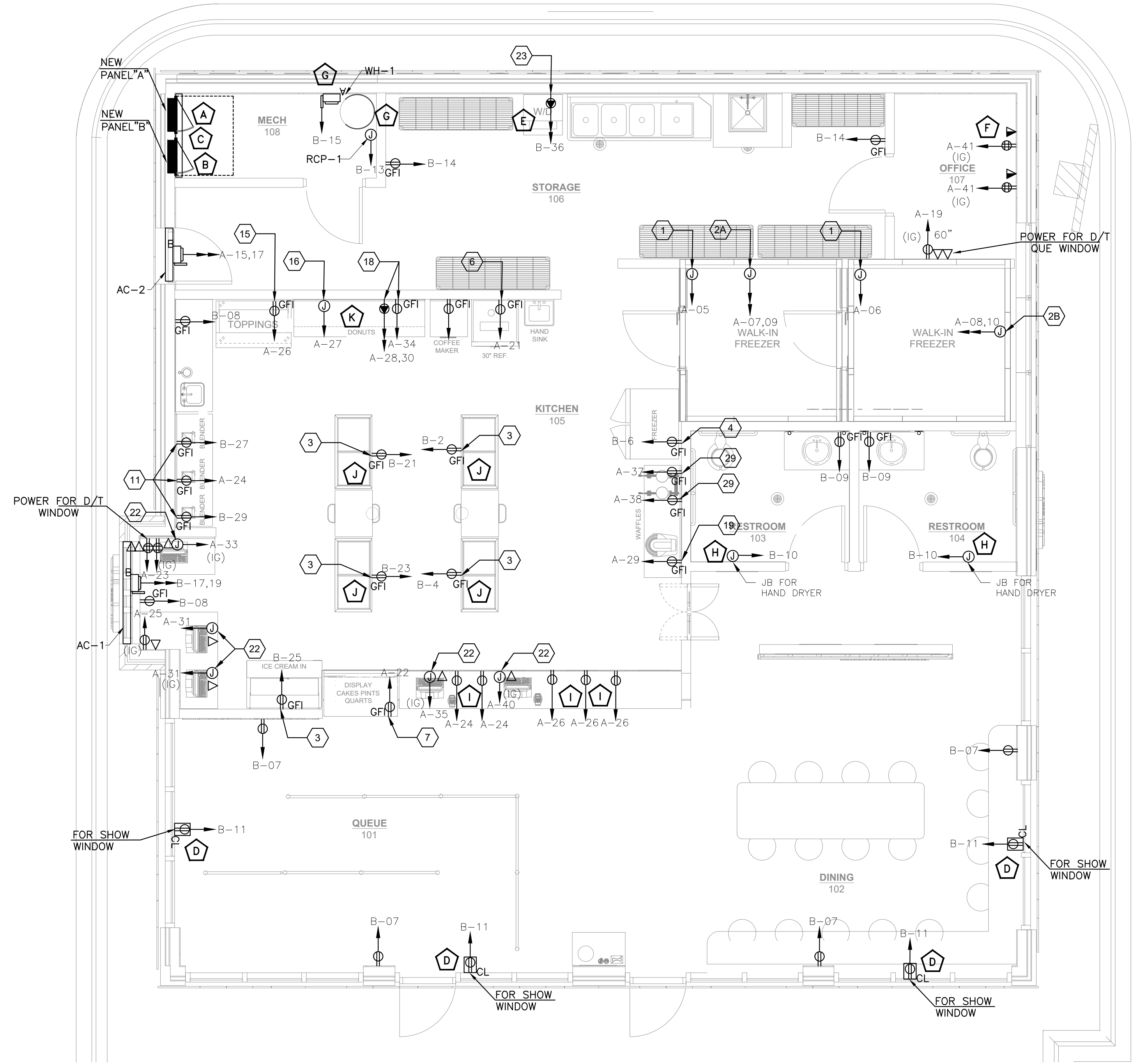
No.	Description	Date

ELECTRICAL
POWER PLAN

E100

Scale

1/4" = 1'-0"



1 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL POWER PLAN KEYED WORK NOTES:

- A** NEW 200A(MCB), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "A". E.C. SHALL COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
- B** NEW 200A(MCB), 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "B". E.C. SHALL COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
- C** E.C. SHALL VERIFY/PERFORM THE INSTALLATION OF ELECTRICAL PANELS IN COMPLIANCE WITH 2017 NEC ARTICLE 110.26(A) AND (B). E.C. SHALL FIELD VERIFY THAT THE PANELS ARE UNOBSTRUCTED AND THE AREA WHERE THE PANELS ARE PLACED SHALL NOT BE USED AS A STORAGE SPACE.
- D** PROVIDE SHOW WINDOW RECEPTACLE AS PER NEC 210.62. VERIFY EXACT LOCATION WITH ARCHITECT/OWNER.
- E** ELECTRICAL SUPPLY FOR THE STACKABLE WASHER & DRYER. E.C. SHALL COORDINATE WITH THE OWNER/MANUFACTURER FOR THE EXACT POWER REQUIREMENTS PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.
- F** E.C. SHALL PROVIDE TWO CAT 6 CABLING FOR DESK. PROVIDE AN ADDITIONAL 6 FEET OF CABLING AT EITHER END OF CONNECTION. E.C. SHALL COORDINATE WITH IT DRAWINGS/SPECIALIST FOR EXACT LOCATION, POWER REQUIREMENTS AND MAKE PROVISIONS ACCORDINGLY. BASE BID ACCORDINGLY.
- G** ELECTRICAL SUPPLY PROVISION FOR THE WATER HEATER(WH-1) & RECIRCULATION PUMP(RCP-1). E.C. SHALL COORDINATE WITH THE PLUMBING CONTRACTOR FOR THE EXACT POWER REQUIREMENTS PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.
- H** EC SHALL COORDINATE EXACT POWER CONNECTION REQUIREMENT WITH MANUFACTURERS AND LOCATION WITH ARCHITECT/ OWNER BASE BID ACCORDINGLY.
- I** EC SHALL PROVIDE DATA AND POWER REQUIREMENTS FOR SCREENS AS REQUIRED IN COORDINATION WITH ARCHITECT/EQUIPMENT MANUFACTURER BASE BID ACCORDINGLY.
- J** EC SHALL PROVIDE NECESSARY SUPPLY REQUIREMENT FOR RECEPTACLES OR PROVIDE POWER CONNECTION AS REQUIRED PER SITE. ALL THE CONDUITS SHALL RUN UNDER GROUND FROM THE NEAREST WALL. BASE BID ACCORDINGLY.
- K** REFER TO FOOD SERVICE EQUIPMENT SCHEDULE FOR CIRCUITING REQUIREMENTS, WIRE THROUGH HOOD CONTROL PANEL.

ELECTRICAL POWER PLAN GENERAL NOTES:

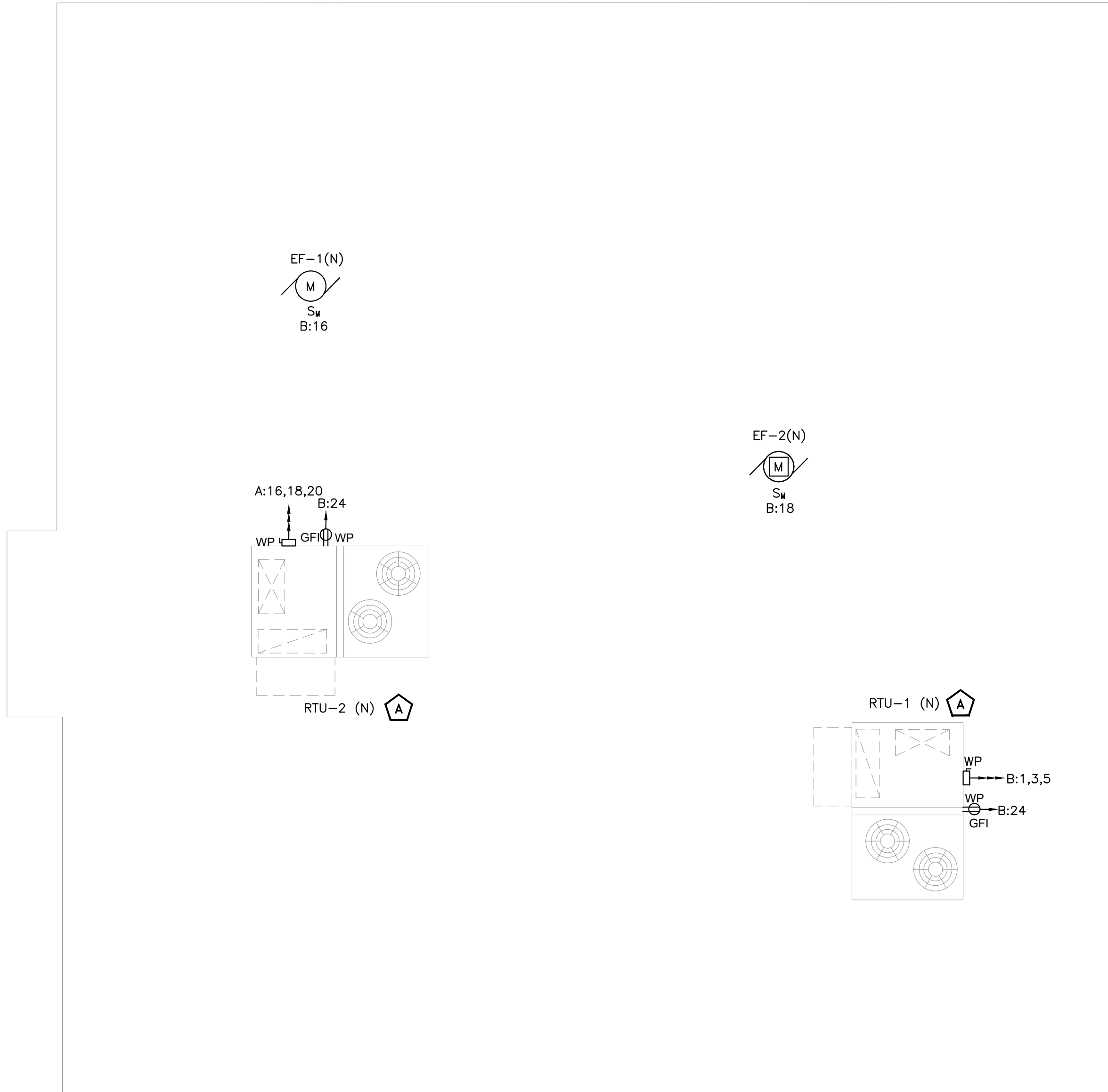
- A.** E.C. SHALL COORDINATE WITH OTHER TRADE CONTRACTORS FOR EXACT LOCATION AND POWER REQUIREMENT OF THE EQUIPMENT FROM OTHER TRADES. PROVIDE WIRING AND CONTROLS AS REQUIRED (IF NOT PROVIDED BY THEM), PRIOR TO BID. BASE BID ACCORDINGLY.
- B.** THE CLEAR WORKING SPACE SHALL BE PROVIDED FOR THE METERS, DISCONNECTS, PANEL BOARDS, AND OTHER ELECTRICAL EQUIPMENT AS PER SECTION 110.26 OF NEC.
- C.** THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE UTILITY/ARCHITECT/OWNER FOR EXACT LOCATION OF THE SERVICE DISCONNECT, METER STACKS AND OTHER ELECTRICAL DEVICES. PRIOR TO BID. BASE BID ACCORDINGLY.

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No.	Description	Date

POWER PLAN

E200



1 ROOF PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL POWER PLAN GENERAL NOTES:

A E.C. TO COORDINATE THE EXACT LOCATION AND ELECTRICAL REQUIREMENT OF MECHANICAL EQUIPMENTS WITH MECHANICAL CONTRACTOR. PROVIDE THE ELECTRICAL CONNECTION AS PER FINAL SELECTION OF MECHANICAL EQUIPMENTS IN FIELD. INFORM ENGINEERS FOR ANY DISCREPANCY FOUND BEFORE COMMENCING ANY WORK.

B EXHAUST FANS FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. E.C. SHALL COORDINATE FOR SWITCHING AND CONTROLS AND PROVIDE ALL NECESSARY WIRING REQUIRED.

GENERAL NOTES:

1. COORDINATE EXACT LOCATION OF HVAC EQUIPMENTS WITH MECHANICAL CONTRACTOR.

2. ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENT FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. COORDINATE LOCATION OF DISCONNECT WITH MANUFACTURER AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES.

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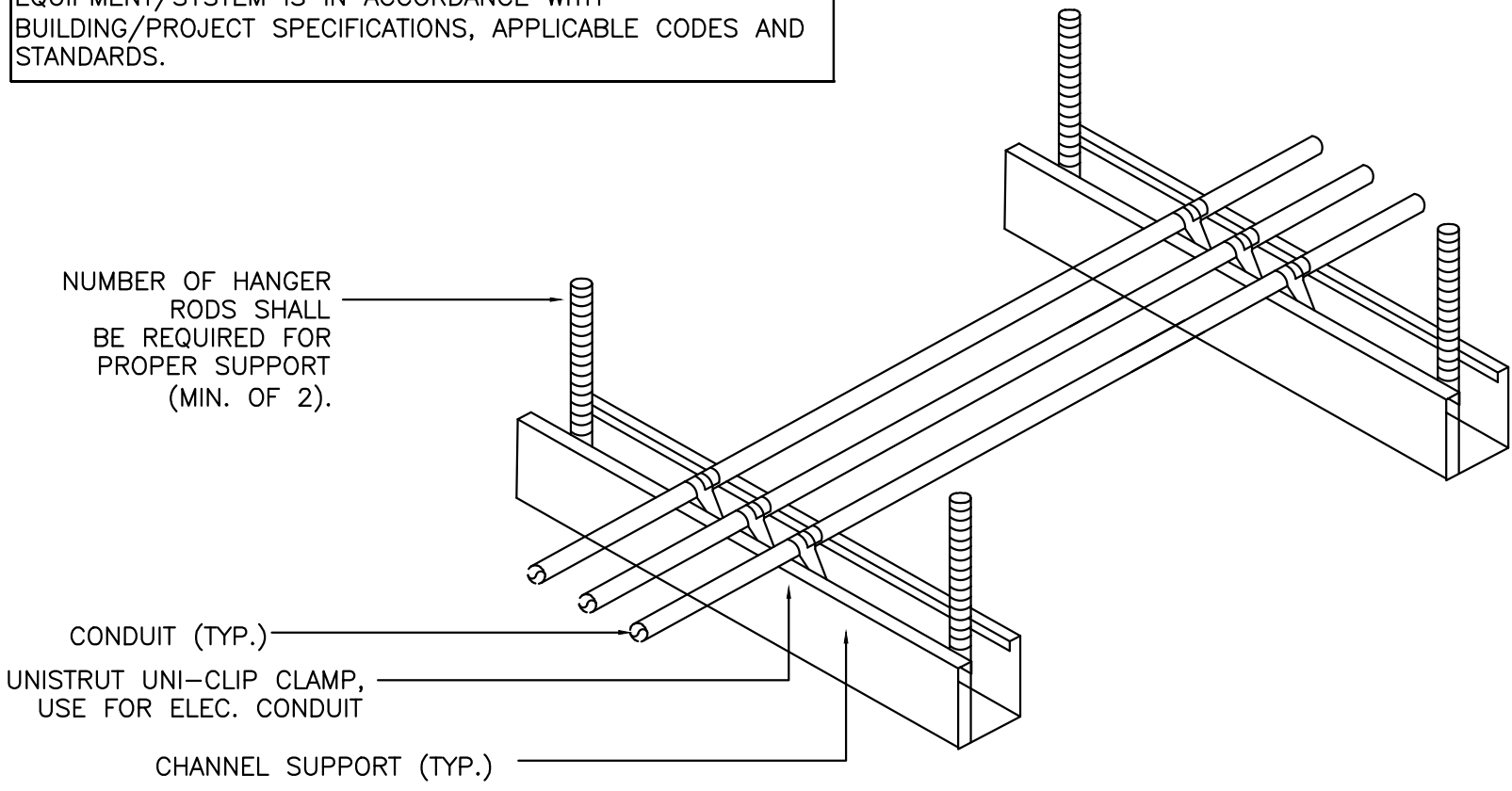
Attachment: Complete Class 8 Application Rainbow Cone Flossmoor (Rainbow Cone Class 8 Resolution - 19805 Crawford Avenue)

No.	Description	Date

POWER PLAN

E200

NOTE:
THIS INFORMATION MAY NOT CONTAIN ALL DETAILS
REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION
MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE
DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE
USER'S RESPONSIBILITY TO ENSURE INSTALLATION OF THE
EQUIPMENT/SYSTEM IS IN ACCORDANCE WITH
BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND
STANDARDS.



NOTES:

1. ALL CONDUIT MAY BE COMBINED ON SAME SUPPORT CHANNEL WHERE PRACTICAL.
2. SUPPORT CHANNEL LENGTH SHALL NOT BE DETERMINED UNTIL ALL PIPING, CONDUIT, ETC. TO BE SUPPORTED IS COORDINATED.
3. SUPPORT CHANNEL SPACING SHALL BE NO MORE THAN 10'-0".
4. UNISTRUT AND CONDUIT INSTALLATION MAY BE REVERSED.

6 CONDUIT SUPPORT DETAIL
E-400 N.T.S

ONLY FOR REFERENCE. REFER LIGHT FIXTURE
MANUFACTURE FOR WIRING DETAIL OF INTEGRAL
OCCUPANCY/VACANCY/MOTION SENSOR DETAIL

AUTOMATIC MODE OPERATION

1. WHEN SENSOR ACTIVATES, LOAD TURNS ON.
2. LOAD TURNS OFF, WHEN SENSOR TIMES OUT.

RECOMMENDED WIRE

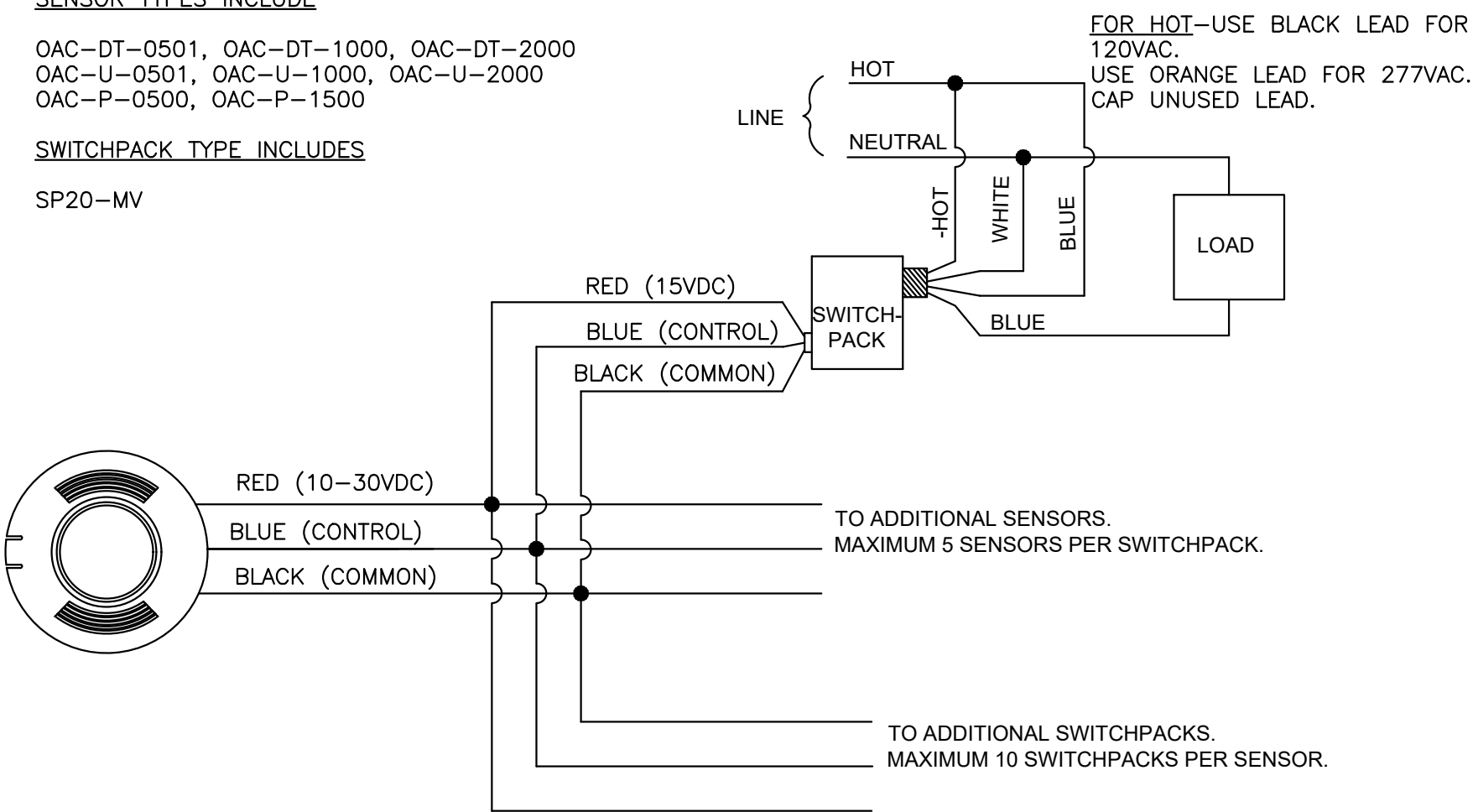
18-3 AWG STRANDED WIRE SHIELDED OR NON-SHIELDED

SENSOR TYPES INCLUDE

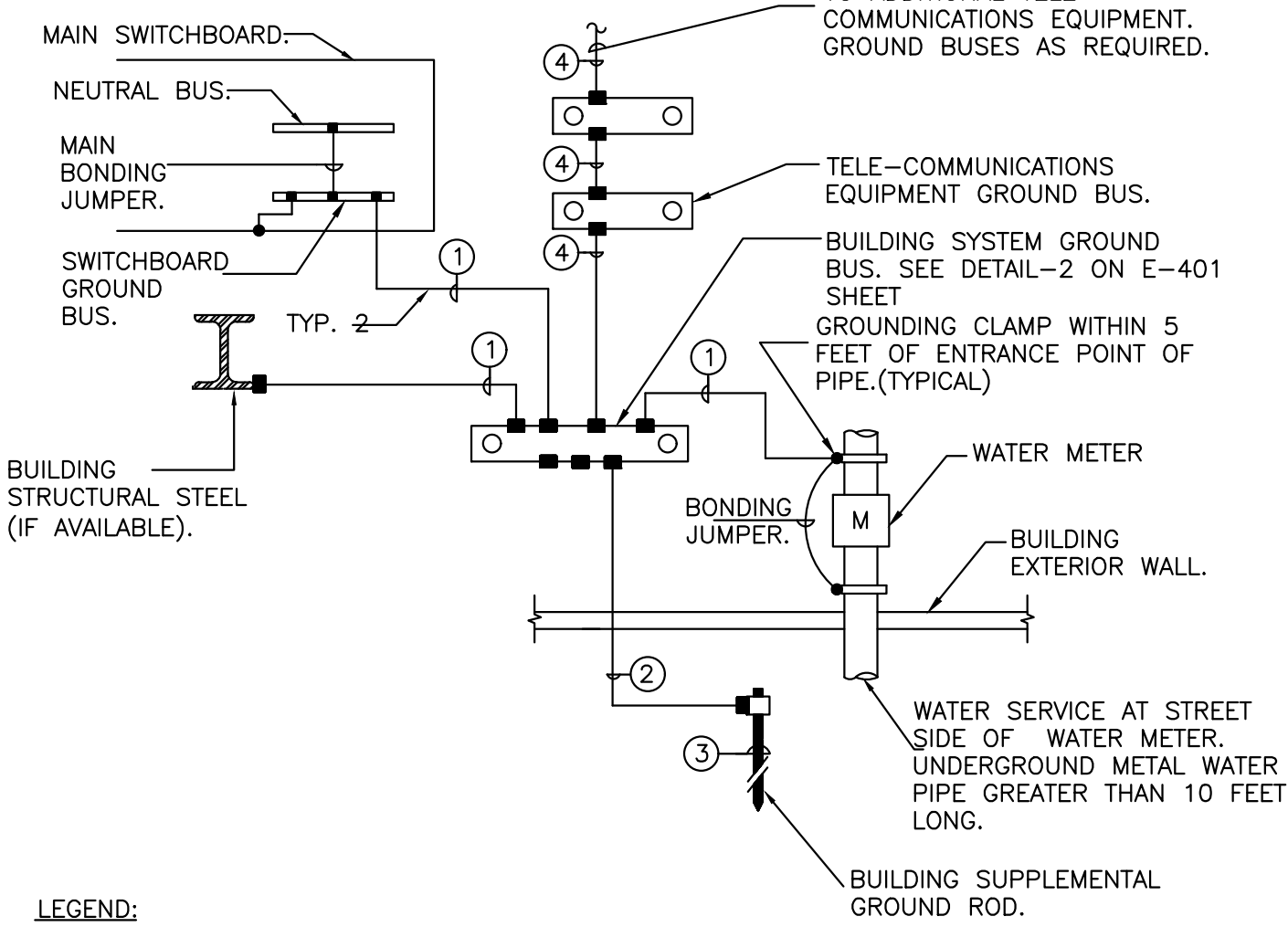
OAC-DT-0501, OAC-DT-1000, OAC-DT-2000
OAC-U-0501, OAC-U-1000, OAC-U-2000
OAC-P-0500, OAC-P-1500

SWITCHPACK TYPE INCLUDES

SP20-MV



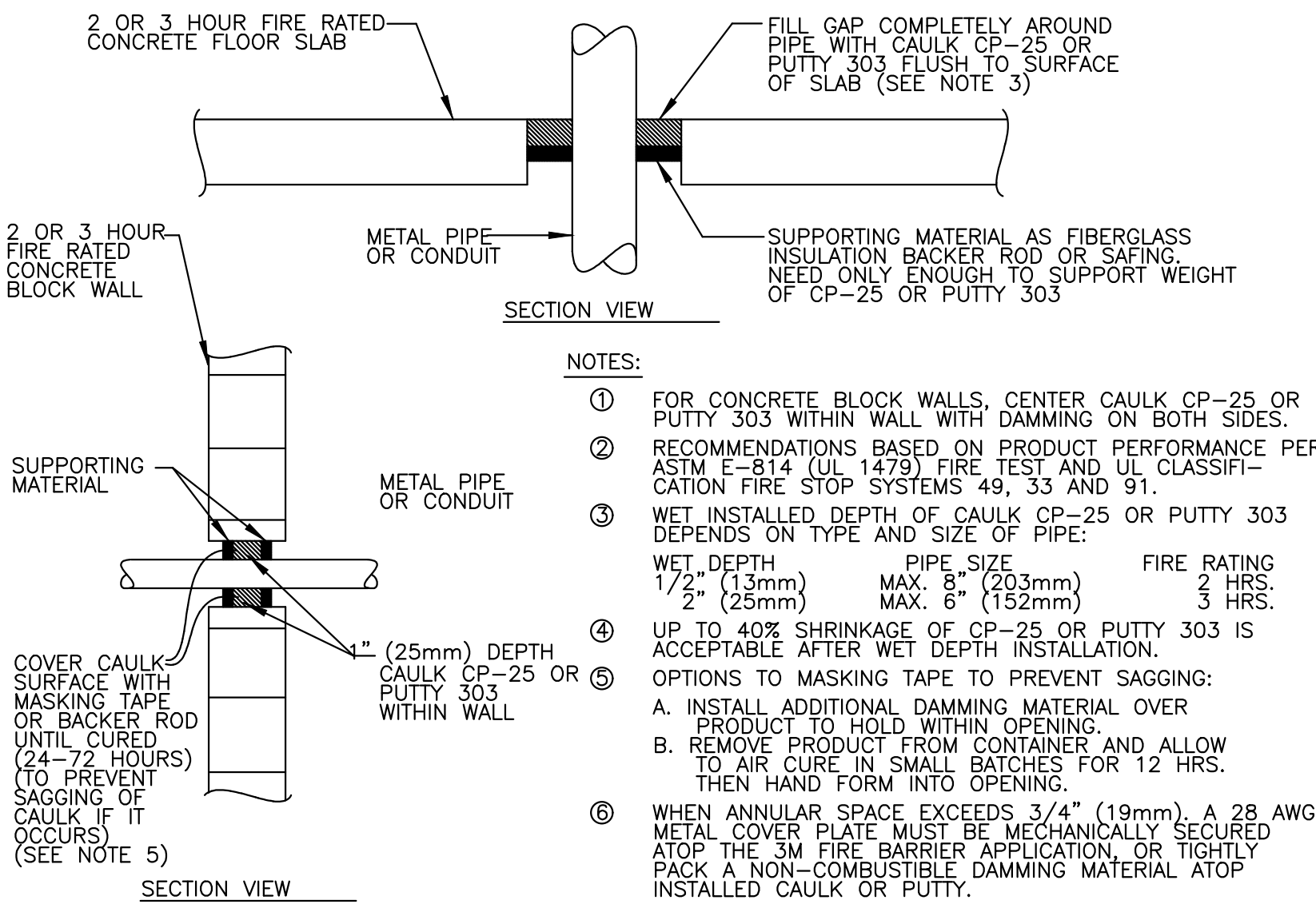
5 OCCUPANCY - AUTO ON/OFF.
WIRING DIAGRAM - LOW VOLTAGE CEILING SENSOR
E-400 N.T.S



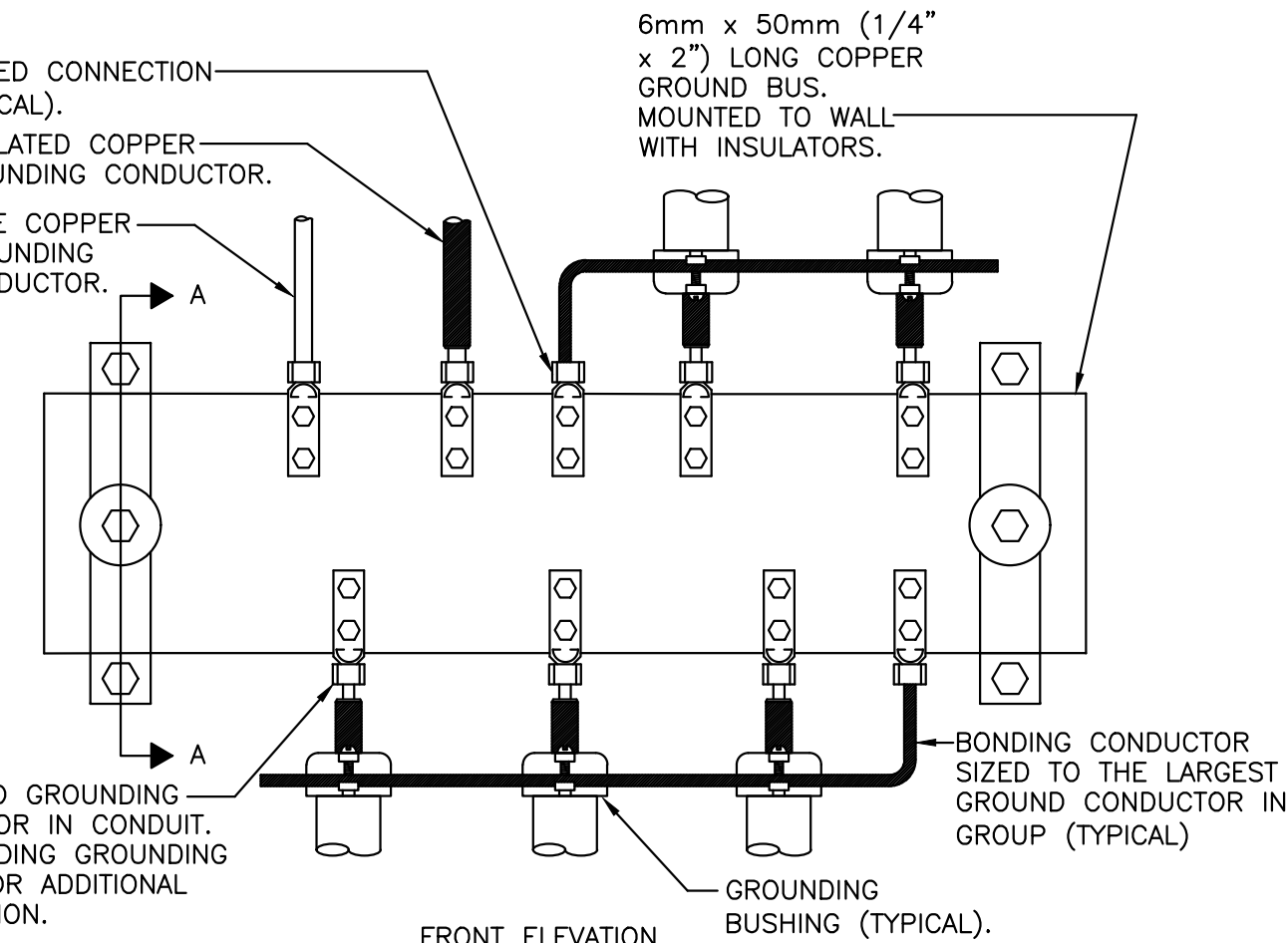
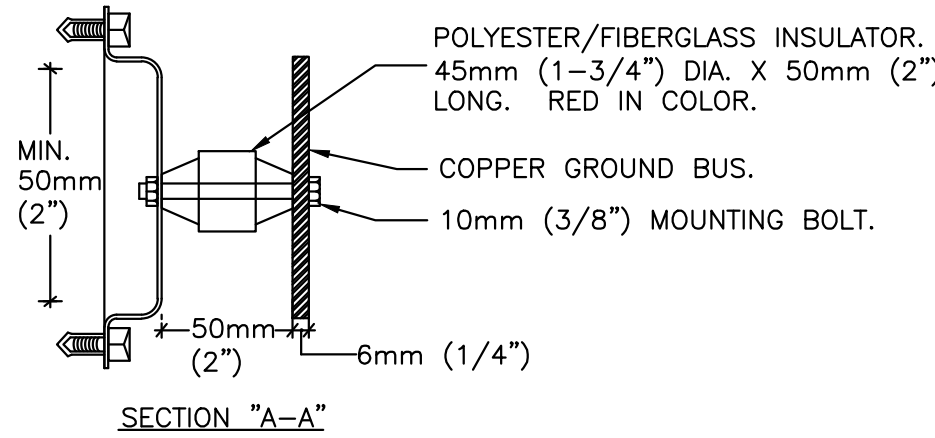
LEGEND:

- 1. INDICATES BOLTED CONNECTION.
- 2. INDICATES EXOTHERMIC WELD CONNECTION, COMPATIBLE WITH MATERIALS BEING JOINED.
- 3. 3/4" x 10'-0" LONG COPPER-CLAD GROUND ROD DRIVEN WITH TOP 12" BELOW GRADE.
- 4. 2/0 AWG INSULATED COPPER GROUND CONDUCTOR IN 30mm CONDUIT.

4 BUILDING GROUNDING ELECTRODE SYSTEM
E-400 N.T.S



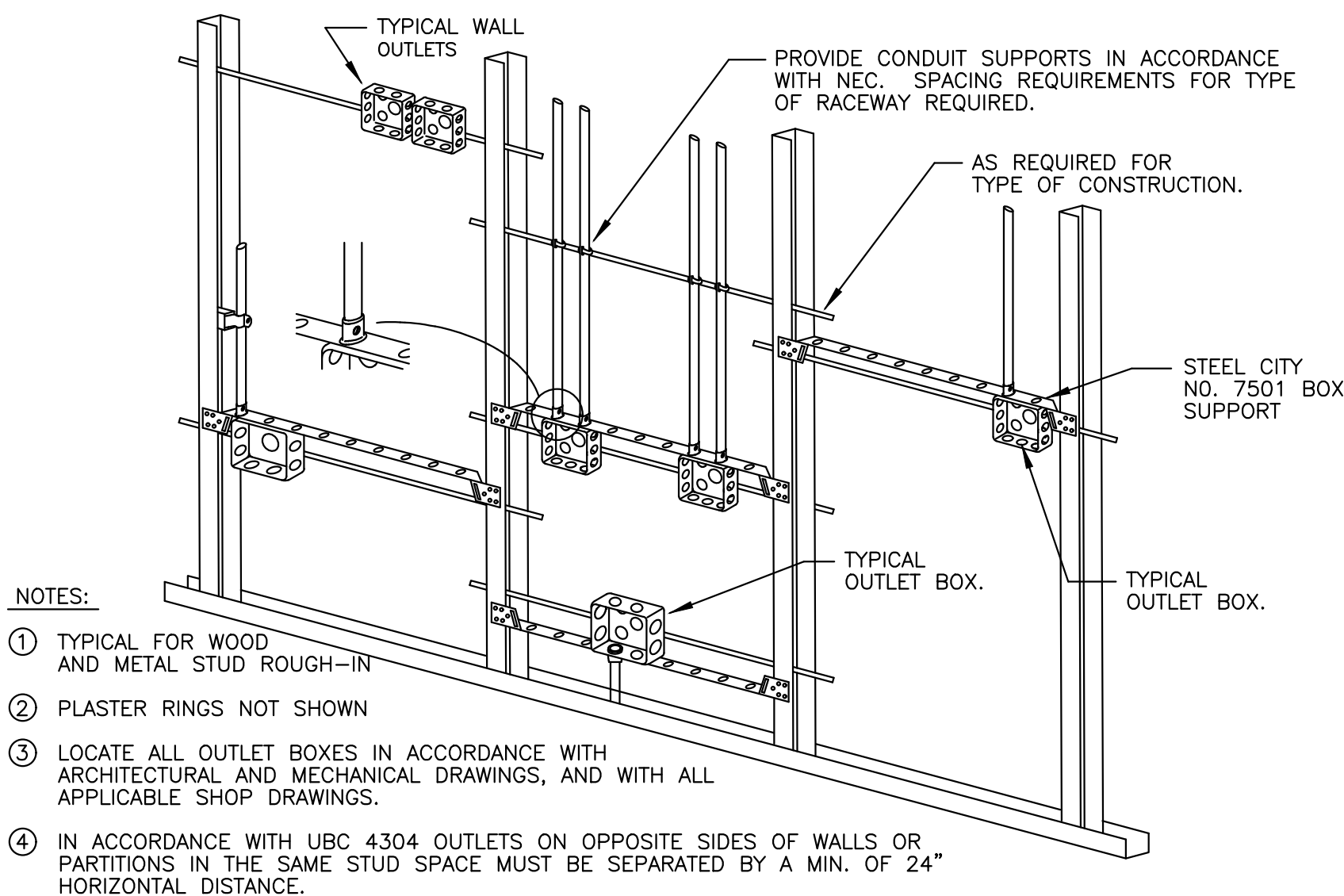
3 FIRE STOP DETAIL
E-400 N.T.S



NOTES:

1. REFER TO BUILDING GROUNDING ELECTRODE SYSTEM DETAIL FOR EXACT CONFIGURATION.

2 BUILDING ELECTRICAL SYSTEMS GROUND BUS
E-400 N.T.S

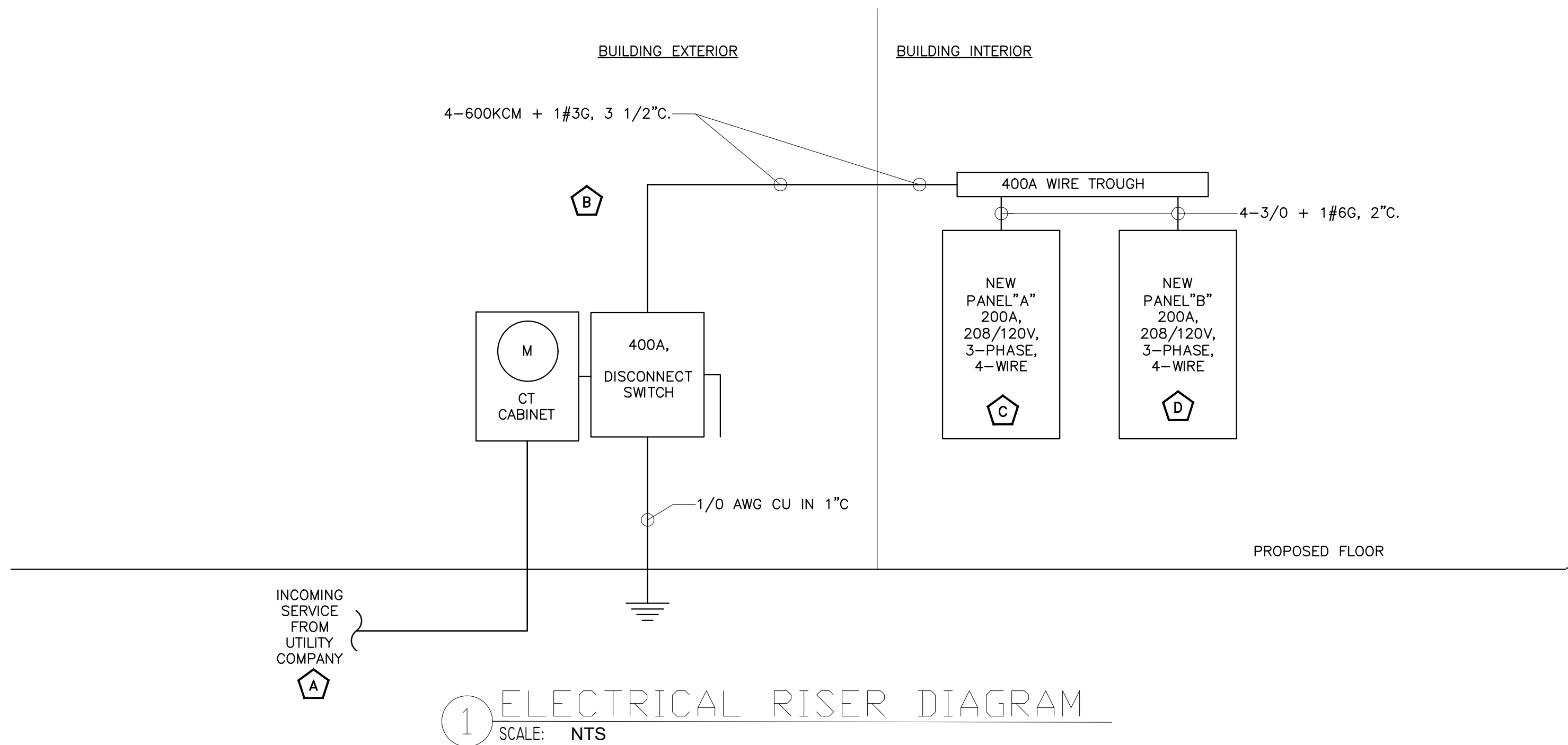


1 DETAIL TYPICAL ROUGH-IN REQUIREMENTS
E-400 N.T.S

No.	Description	Date

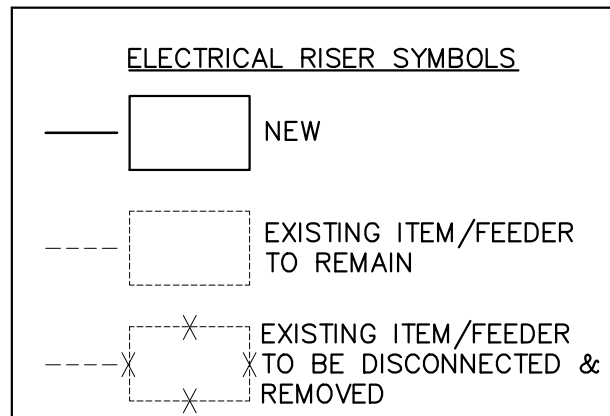
ELECTRICAL
DETAIL SHEET
1 OF 2

E400



ELECTRICAL RISER KEYED NOTES

- | | |
|----------|--|
| A | NEW 400A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL SERVICE FOR THE PROPOSED PROJECT SPACE FROM THE UTILITY TRANSFORMER. E.C. SHALL COORDINATE EXACT LOCATION WITH OWNER/UTILITY COMPANY IN FIELD AND APPLY TO THE UTILITY COMPANY. BASE BID ACCORDINGLY. |
| B | NEW 400A, 120V/208V 3-PHASE, CT CABINET. E.C. TO CO-ORDINATE WITH OWNER/UTILITY COMPANY FOR EXACT LOCATION. COORDINATE EXACT REQUIREMENTS WITH UTILITY COMPANY. BASE BID ACCORDINGLY. |
| C | NEW 200A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "A" FOR THE PROPOSED PROJECT SPACE. E.C SHALL COORDINATE EXACT LOCATION OF PANEL WITH ARCHITECT/OWNER IN FIELD. |
| D | NEW 200A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "B" FOR THE PROPOSED PROJECT SPACE. E.C SHALL COORDINATE EXACT LOCATION OF PANEL WITH ARCHITECT/OWNER IN FIELD. |



ELECTRICAL RISER GENERAL NOTES

1. ELECTRICAL CONTRACTOR TO COORDINATE FAULT CURRENT (ISC) RATING WITH UTILITY COMPANY AND AHJ PRIOR TO COMMENCING ANY WORK. BASE BID ACCORDINGLY.
2. RISER DIAGRAM SHOWN IS FOR REFERENCE PURPOSE ONLY. E.C. SHALL COORDINATE WITH UTILITY COMPANY FOR ACTUAL POWER DISTRIBUTION IN FIELD.
3. E.C SHALL COORDINATE THE SCOPE OF WORK FOR THE ELECTRICAL SERVICE AND DISTRIBUTION WITH UTILITY COMPANY/OWNER. BASE BID ACCORDINGLY.

PANEL: A (NEW)										MOUNTING: RECESSED								
208Y/120		VOLTS,		3		PHASE,		4		WIRE		PANEL LOCATION: MECH ROOM						
MAIN CB:		200 A		MLO:		M: MOTOR LOAD, R: RECEPTACLES, O: OTHER/MISC. (TYPICAL)		BUS:		225 A		MIN,		FED FROM: 400A DISCONNECT				
CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD TYPE	LOAD (KVA)	MINIMUM BRANCH CIRCUIT	PER PHASE (KVA)			MINIMUM BRANCH CIRCUIT	LOAD (KVA)	LOAD TYPE	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO.				
						A	B	C										
1	20	DINNING AND QUE AREA LIGHTING	L	0.50	2#12, #12G, 3/4"	0.67			2#12, #12G, 3/4"	0.17	L	RESTROOM, OFFICE, MECH ROOM LIGHTING	20	2				
3	20	KITCHEN AND STORAGE AREA LIGHTING	L	0.60	2#12, #12G, 3/4"		1.20		2#12, #12G, 3/4"	0.60	L	BUILDING SIGN	20	4				
5	20	FREEZER COMPARTMENT	E	2.40	2#12, #12G, 3/4"			4.80	2#12, #12G, 3/4"	2.40	E	FREEZER COMPARTMENT	20	6				
7	2P-20	FREEZER REFRIGERATION SYSTEM	E	2.08	2#12, #12G, 3/4"	3.64			2#12, #12G, 3/4"	1.56	E	FREEZER REFRIGERATION SYSTEM	2P-20	8				
9			E	2.08				1.56		E	10							
11	2P-20	FREEZER CONDENSATION UNIT	E	1.27	2#12, #12G, 3/4"		3.64	2.54	2#12, #12G, 3/4"	1.27	E	FREEZER CONDENSATION UNIT	2P-20	12				
13			E	1.27		2.54		1.27		E	14							
15	2P-40	AC-2	H	3.05	2#8,#10G, 3/4"		8.77		3#6,#10G, 3/4"	5.72	H	RTU-02	3P-60	16				
17			H	3.05			8.77	5.72		H	18							
19	20	D/7 QUE WINDOW RECEPTACLE	R	0.18	2#12, #12G, 3/4"	0.60			2#12, #12G, 3/4"	0.72	H			20				
21	20	REACH-IN REFRIGERATOR	E	0.35	2#12, #12G, 3/4"		1.43		2#12, #12G, 3/4"	1.08	E	DISPLAY FREEZER	20	22				
23	20	D/7 WINDOW RECEPTACLE	R	0.72	2#12, #12G, 3/4"			2.10	2#12, #12G, 3/4"	1.38	E	BLENDER	20	24				
25	20	POWER FOR HEADSET RECHARGE UNIT	R	0.18	2#12, #12G, 3/4"	#VALUE!			2#12, #12G, 3/4"	0.26	E	SANDWICH/SALAD PREP REFRIGERATOR	20	26				
27	20	HEAT LAMP	E	0.50	2#12, #12G, 3/4"		3.80		2#10, #10G, 3/4"	3.30	E	DONUT MACHINE	2P-30	28				
29	20	20 QT. MIXER	E	1.26	2#12, #12G, 3/4"			4.56		3.30	E			30				
31	20	POS SYSTEM (BY OWNER)	E	1.80	2#12, #12G, 3/4"	1.80						SHUNT TRIP	20	32				
33	20	POS SYSTEM (BY OWNER)	E	1.80	2#12, #12G, 3/4"		2.08		2#12, #12G, 3/4"	0.28	E	DONUT MACHINE	20	34				
35	20	POS SYSTEM (BY OWNER)	E	1.80	2#12, #12G, 3/4"			1.80				SHUNT TRIP	20	36				
37	20	CONE BREAKER	E	1.78	2#12, #12G, 3/4"	3.56			2#12, #12G, 3/4"	1.78	E	CONE BEAKER	20	38				
39	20	TIME CLOCK	L	0.60	2#12, #12G, 3/4"		2.40		2#12, #12G, 3/4"	1.80	E	POS SYSTEM (BY OWNER)	20	40				
41	20	OFFICE REC	R	0.72	2#12, #12G, 3/4"			0.72				SPARE	20	42				
					TOTAL CONNECTED (KVA)		#VALUE!	23.32	25.29									

PANEL:		B (NEW)										MOUNTING: RECESSED					
208Y/120		VOLTS,		3		PHASE,		4		WIRE		PANEL LOCATION: MECH ROOM					
MAIN CB:		200A		MLO:		MOTOR LOAD, R : RECEPTACLES, O : OTHER/MISC. (TYPICAL)		BUS:		225 A		MIN,		FED FROM: 400A DISCONNECT			
CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD TYPE	LOAD (KVA)	MINIMUM BRANCH CIRCUIT	PER PHASE (KVA)			MINIMUM BRANCH CIRCUIT	LOAD (KVA)	LOAD TYPE	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO.			
						A	B	C									
1	3P-60	RTU-01	H	5.80	3#6#10G, 3/4"	6.03			2#12, #12G, 3/4"	0.23	E	DISPLY FREEZER	20	2			
3			H	5.80			6.03			0.23	E						
5			H	5.80				6.40			0.60				E		
7			R	0.72		2#12, #12G, 3/4"	1.26				2#12, #12G, 3/4"				0.54	R	
9	20	GENERAL OUTLETS-RESTROOM	R	0.36	2#12, #12G, 3/4"		2.36		2#12, #12G, 3/4"	2.00	M	JB FOR HAND DRYER	20	10			
11	20	FOR SHOW WINDOW	L	1.60	2#12, #12G, 3/4"			3.04	2#12, #12G, 3/4"	1.44	R	OFFICE OUTLET	20	12			
13	20	JB FOR RCP-1	M	0.36	2#12, #12G, 3/4"	0.54			2#12, #12G, 3/4"	0.18	R	GENERAL OUTLETS-STORAGE	20	14			
15	20	SPARE					0.83		2#12, #12G, 3/4"	0.83	M	EF-1	20	16			
17	2P-60	AC-1	H	4.75	2#6, #10G, 3/4"	5.75		5.42	2#12, #12G, 3/4"	0.67	M	EF-2	20	18			
19			H	4.75					2#12, #12G, 3/4"	1.00	O	DIGITAL MENUBOARD	20	20			
21	20	DISPLAY FREEZER	E	0.23	2#12, #12G, 3/4"		1.23		2#12, #12G, 3/4"	1.00	O	DIGITAL MENUBOARD	20	22			
23			E	0.23			0.59		2#12, #12G, 3/4"	0.36	R	DISPLAY CIRCUITS	20	24			
25	20	ICE CREAM IN	E	0.23	2#12, #12G, 3/4"	0.77			2#12, #12G, 3/4"	0.54	R	DISPLAY CIRCUITS	20	26			
27	20	BLENDER	E	1.38	2#12, #12G, 3/4"		3.88			2.50	E	STACKED WASHER/DRYER	2P-30	28			
29	20	BLENDER	E	1.38	2#12, #12G, 3/4"			3.88	3#10W10G, 1"	2.50	E						
31	20	SPARE				0.00						SPARE	20	32			
33	20	SPARE					0.00					SPARE	20	34			
35	20	SPARE						0.00				SPARE	20	36			
37	20	SPARE				0.00						SPARE	20	38			
39	20	SPARE						0.00				SPARE	20	40			
41	20	SPARE										SPARE	20	42			
TOTAL CONNECTED LOAD (KVA)						14.35	14.33	19.33									

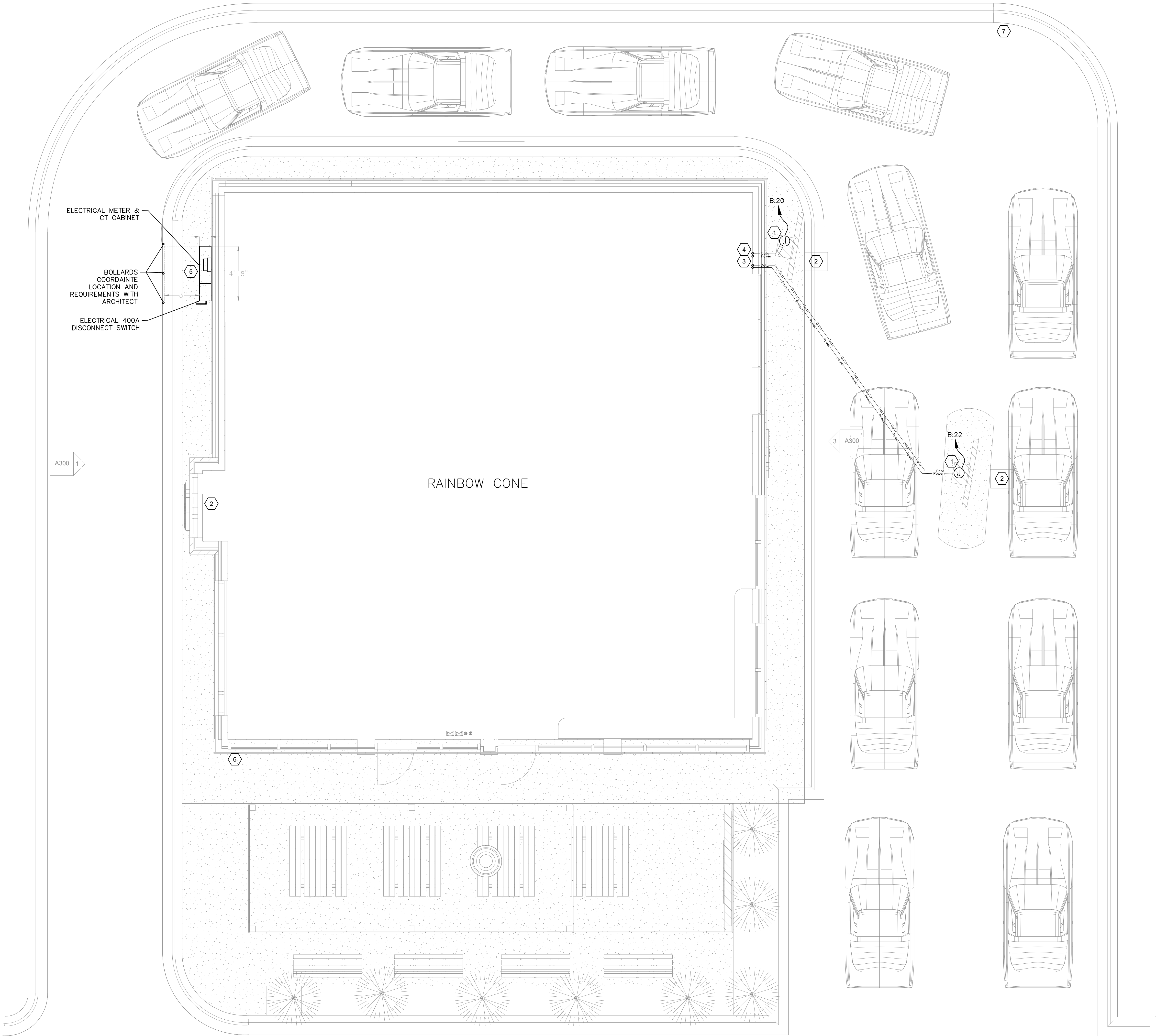
2 ELECTRICAL PANEL SCHEDULES

SCALE: NTS

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ELECTRICAL RISER DIAGRAM & PANEL SCHEDULE

E500



SITE PLAN GENERAL NOTES

- 1. ALL UNDERGROUND CONDUIT SHALL BE PVC. PROVIDE GALVANIZED STEEL SLEEVE WHEN PASSING THROUGH THE FOUNDATION WALL. CONCRETE FLOOR. EXTEND CONDUIT 6" ABOVE THE FINISHED FLOOR AND PROVIDED WITH PROTECTIVE GROMMET.
- 2. ALL CONDUIT SHALL BURIED AT LEAST 18" BELOW FINISHED GRADE.
- 3. ALL INSTALLED CONDUIT SHALL BE PROVIDED WITH A PULL STRING.
- 4. REFER TO CIVIL/ARCH DRAWINGS FOR FURTHER INFORMATION AND PROPER LOCATION OF SITE LIGHTING ,MENU SYSTEM SIGNS.
- 5. MENU BOARD LOW VOLTAGE DATA ROUTES BACK TO THE OFFICE.
- 6. REFER TO KEY NOTE FOR CONDUIT INFORMATION.

SITE PLAN KEYED NOTES

- 1. PROVIDE POWER TO MENUBOARD, AND PROVIDE EMPTY CONDUIT RUNS.COORDINATE WITH ARCH/OWNER FOR DIGITAL MENUBOARD AND CONDUIT DETAIL.
- 2. WIRE MAGNETIC DRIVE-THRU DETECTOR INTO DRIVE-THRU SYSTEM CONTROL UNIT AND DT ARE, COORDINATE WITH ARCH/OWNER FOR MORE DETAIL.
- 3. (2) 1-1/2" CONDUIT FROM MENU BOARD TO CONTROL MODULE IN B.O.H. KITCHEN AREA BEFORE EXTENDING TO DRIVE-THRU AREA. PROVIDE 4X8 JBOX BELOW PICKUP WINDOW. 1-1/2" FOR SPEAKER AND MICROPHONE WIRING AND (1) 1" FOR DATA. (1) 1-1/2" FOR DETECTOR LOOP WIRING.COORDINATE WITH ARCH/OWNER FOR DIGITAL MENUBOARD AND CONDUIT DETAIL.
- 4. 1" CONDUIT FROM MENU BOARD TO PANEL WITH 2#10+GRD. VIA TOGGLE SWITCH IN PICK-UP DT AREA FOR 120V POWER OF MENU BOARD. COORDINATE WITH ARCH/OWNER FOR DIGITAL MENUBOARD AND CONDUIT DETAIL.
- 5. UNDERGROUND PRIMARY CABLES BY POWER COMPANY. CONDUITS BY E.C. AS REQUIRED. NEW UNDERGROUND SECONDARY FEEDER SCOPE SHALL BE COORDINATED WITH UTILITY COMPANY/OWNER. REFER TO ELEC DWG RISER DIAGRAM.
- 6. PROVIDE POWER TO NEW BUILDING SIGNAGE. SEE EXTERIOR ELEVATIONS AND SIGNAGE SHOP DRAWINGS FOR MORE INFORMATION. REFER LIGHTING PLAN FOR CIRCUIT INFORMATION.
- 7. PROVIDE POWER TO NEW SITE SIGNAGE. COORDINATE WITH ARCH/OWNER FOR FOR MORE INFORMATION.

1 SITE PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL
SITE PLAN

E600

Scale 1/4" = 1'-0"

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
	SANITARY WASTE (ABOVE FLOOR)
	SANITARY SEWER (UNDER FLOOR)
	EXISTING SEWER
	EXISTING COLD WATER
	VENT PIPING
	GAS PIPING
	COLD WATER
	HOT WATER
	EXISTING VENT
	PIPE UP OR DOWN
	PIPE UP
	POINT OF NEW CONNECTION
	SHUTOFF VALVE

PLUMBING ABBREVIATIONS	
CO	CLEANOUT
CODP	CLEAN OUT DECK PLATE
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RETURN
SAN	SANITARY
S	SOIL
W	WASTE
LAV	LAVATORY
WC	WATER CLOSET
TYP.	TYPICAL
DN	DOWN
EXIST.	EXISTING
AFF	ABOVE FINISH FLOOR
FD	FLOOR DRAIN
BFP	BACK FLOW PREVENTER
WH	HOT WATER HEATER
SV	SHUTOFF VALVE
RCP	RECIRCULATION PUMP
ET	EXPANSION TANK
DF	DRINKING FOUNTAIN
MS	MOP SINK
FCO	FLOOR CLEANOUT

PLUMBING DRAWING LIST	
P001	PLUMBING NOTES, SYMBOLS ABBREVIATIONS & SPECIFICATION (1 OF 2)
P002	PLUMBING SPECIFICATION (2 OF 2)
P101	PLUMBING WATER AND SANITARY PIPING PLAN
P102	PLUMBING ROOF FLOOR GAS PIPING PLAN
P501	PLUMBING DETAILS (1 OF 2)
P502	PLUMBING DETAILS (2 OF 2)
P503	PLUMBING RISERS AND SCHEDULES

BUILDING DEPARTMENT PLUMBING NOTES	
1.	ALL PLUMBING SYSTEMS (SANITARY, WASTE, VENT, WATER) AND ASSOCIATED EQUIPMENT SHALL BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF 2014 ILLINOIS STATE PLUMBING CODE, 2020 ILLINOIS LP GAS CODE & 2018 ILLINOIS ENERGY CONSERVATION CODE.
2.	INSTALLATION OF UNDERGROUND PIPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SUBPART J, ILLINOIS PLUMBING CODE.
3.	PROTECTION OF PIPING AND PLUMBING SYSTEM COMPONENTS AS PER SECTION 890.1130, ILLINOIS PLUMBING CODE.
4.	MATERIALS USED IN PLUMBING SYSTEMS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 890.210, ILLINOIS PLUMBING CODE.
5.	EQUIPMENT CONNECTIONS AND JOINING OF PIPING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SUBPART C OF ILLINOIS PLUMBING CODE.
6.	DEEP SEAL TRAPS FOR FLOOR DRAINS SHALL BE PROVIDED AS PER SECTION 890.210, ILLINOIS PLUMBING CODE.
7.	DRAINAGE PIPE CLEANOUTS AS PER SECTION 890.420, ILLINOIS PLUMBING CODE.
8.	VERTICAL AND HORIZONTAL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 890.920 & 890.930 ILLINOIS PLUMBING CODE.
9.	WATER SUPPLY SYSTEMS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF SUBPART I OF ILLINOIS PLUMBING CODE.
10.	THE SANITARY DRAINAGE SYSTEM SHALL BE SIZED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF SUBPART J OF ILLINOIS PLUMBING CODE.
11.	VENT PIPING FOR THE SANITARY DRAINAGE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF SUBPART K OF ILLINOIS PLUMBING CODE.
12.	INSPECTION AND TESTING OF PLUMBING SYSTEMS SHALL BE IN ACCORDANCE WITH SUBPART M OF ILLINOIS PLUMBING CODE.
13.	GAS PIPING INSTALLATION SHALL BE IN ACCORDANCE WITH 2021 DUPAGE COUNTY FUEL GAS CODE CHAPTER 4.

PLUMBING SPECIFICATIONS:	
1.	BASIC PLUMBING REQUIREMENTS, MATERIALS AND METHODS
1.01	SCOPE
A.	PROVIDE ALL MATERIAL, TOOLS, SUPERVISION AND LABOR INCLUDING ALL MISCELLANEOUS AND INCIDENTAL ITEMS REQUIRED FOR COMPLETE AND OPERABLE PLUMBING INSTALLATIONS AS SHOWN OR DESCRIBED ON THE DRAWINGS AND IN THESE SPECIFICATIONS.
B.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING AND NEW CONDITIONS AND MATERIALS WITHIN THE CONSTRUCTION AREA. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE OWNER'S SATISFACTION.
C.	OBTAIN ALL PERMITS, PAY ALL PERMIT FEES AND SCHEDULE ALL REQUIRED INSPECTIONS. COPIES OF ALL PERMITS AND INSPECTION CERTIFICATES SHALL BE FORWARDED TO THE OWNER FOR RECORD.
D.	THE GENERAL CONDITIONS OF THE CONTRACT AND ALL DIVISION 1 REQUIREMENTS APPLY TO THE WORK OF THIS SECTION.
E.	THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID TO DETERMINE CONDITIONS AND THE EXTENT OF THE WORK. BY COMMENCING WORK, THE CONTRACTOR ACKNOWLEDGES HIS CONFIRMATION OF ALL CONDITIONS AS ACCEPTABLE WITH REFERENCE TO HIS CONTRACT, SCOPE OF WORK AND BID PRICE SUCH THAT NO ADDITIONAL COMPENSATION SHALL BE FORTHCOMING FOR UNFORESEEN EXISTING CONDITIONS.
F.	N ALL AREAS SUBJECT TO FREEZING CONDITIONS, THE CONTRACTOR SHALL PROVIDE FREEZE PROTECTION FOR ALL DOMESTIC WATER PIPING INSTALLED UNDER HIS CONTRACT.
G.	ALL ELECTRICAL REQUIREMENTS SHALL BE COORDINATED WITH THE CONTRACTOR FOR ELECTRICAL WORK. THIS CONTRACTOR IS RESPONSIBLE FOR ALL LOW VOLTAGE WIRING FOR EQUIPMENT INSTALLED UNDER HIS CONTRACT. THE CONTRACTOR FOR ELECTRICAL WORK IS RESPONSIBLE FOR LINE VOLTAGE POWER WIRING ONLY.
H.	COLOR AND FINISH SELECTIONS FOR ALL MATERIALS, INCLUDING PAINTING OF PIPING, SHALL BE AS DIRECTED AND/OR APPROVED BY THE ARCHITECT.
I.	MINOR DETAILS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR THE PROPER AND ACCEPTABLE CONSTRUCTION, INSTALLATION OR OPERATION OF ANY PART OF THE WORK AS DETERMINED BY THE ENGINEER SHALL BE INCLUDED AS IF SPECIFIED OR INDICATED ON THE DRAWINGS.
J.	THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIREMENTS FOR THE INSTALLATION, CONNECTION, EXTENSION OR MODIFICATION TO ALL UTILITY SERVICES WITH RESPECTIVE PROVIDERS INCLUDING PAYMENT OF ALL ASSOCIATED FEES.
K.	THE CONTRACTOR IS RESPONSIBLE FOR ALL PAINTING ASSOCIATED WITH CUTTING AND PATCHING. ALL PAINTING IN AREAS WITH COMPLETE FINISH RENOVATIONS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
1.02	SUBMITTALS
A.	SUBMITTAL REQUIREMENTS SHALL BE COORDINATED WITH THE ARCHITECT AND AUTHORITIES HAVING JURISDICTION. UNLESS OTHERWISE DIRECTED, CONTRACTOR SHALL PROVIDE SUBMITTALS AS LISTED BELOW.
1.	PIPE AND FITTINGS
2.	VALVES
3.	HANGERS AND SUPPORTS
4.	PLUMBING PIPING LAYOUT
5.	TESTS
6.	PLUMBING FIXTURES
7.	WATER HEATERS & ACCESSORIES
8.	FLOOR DRAINS
9.	MIXING VALVES
10.	ALL SCHEDULED PLUMBING EQUIPMENT
B.	SUBMITTALS FROM SUPPLIERS OR MANUFACTURERS WHICH DO NOT BEAR THE STAMP OF THE SUBMITTING CONTRACTOR INDICATING THAT THE CONTRACTOR HAS REVIEWED THE SUBMITTAL FOR CONFORMANCE WITH THE PROJECT REQUIREMENTS WILL BE RETURNED REJECTED.
C.	THE ENGINEER'S REVIEW OF SUBMITTALS IS A COURTESY WHICH DOES NOT RELIEVE THE CONTRACTOR FROM CONFORMING WITH THE CONSTRUCTION DOCUMENTS, REGARDLESS OF THE ACTION INDICATED BY THE SHOP DRAWINGS STAMP.

D.	SUBMIT PROOF OF APPROVAL AND/OR CONFIRMATION OF SATISFACTORY TEST RESULTS TO THE OWNER AND THE ARCHITECT.
E.	SUBMIT TO THE OWNER'S MAINTENANCE PERSONNEL OPERATION AND MAINTENANCE DATA FOR ALL SYSTEM COMPONENTS, SERVICING REQUIREMENTS, INSPECTION DATA, REPLACEMENT PART NUMBERS AND AVAILABILITY AND CONTACT INFORMATION FOR SERVICE/SUPPLY COMPANY.
F.	FOR ALL BELOW GRADE PIPING WHERE ACTUAL INSTALLATION DEVIATES FROM CONSTRUCTION DRAWINGS, THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS INDICATING BELOW GRADE PIPE LOCATIONS DIMENSIONED TO NEAREST COLUMN LINES.
G.	RECORD AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE OWNER/TENANT AFTER COMPLETION OF THE WORK SHOWING ANY ALTERATIONS, ADDITIONS AND/OR DELETIONS TO THE SYSTEM(S) INSTALLED.
1.03	SUBSTITUTIONS
A.	ALL EQUIPMENT SHALL BE PRODUCTS OF THE SPECIFIED MANUFACTURER OR MANUFACTURERS. ALL BIDS SHALL BE BASED ON THE SPECIFIED MANUFACTURER OR MANUFACTURER'S EQUIPMENT. FOR SUBSTITUTIONS OF OTHER MANUFACTURER'S EQUIPMENT TO BE CONSIDERED, THE SUBSTITUTION MUST BE INDICATED PRIOR TO BIDDING WITH THE REASON FOR THE PROPOSED SUBSTITUTION IDENTIFIED, AND THE PROPOSED CREDIT TO THE OWNER INDICATED. THE ENGINEER SHALL DETERMINE THE ACCEPTABILITY OF ANY PROPOSED SUBSTITUTIONS.
B.	THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR COORDINATING THE WORK OF OTHER TRADES WHICH MAY BE AFFECTED BY SUBSTITUTIONS, INCLUDING ALL RELATED COSTS.
1.04	DEFINITIONS
A.	FURNISH: TO PURCHASE, PROCURE, ACQUIRE AND DELIVER, COMPLETE WITH RELATED ACCESSORIES.
B.	INSTALL: TO ERECT, MOUNT AND CONNECT, COMPLETE WITH RELATED ACCESSORIES.
C.	PROVIDE: TO FURNISH AND INSTALL.
D.	PLUMBING CONTRACTOR, THE CONTRACTOR, THIS CONTRACTOR: THE CONTRACTOR FOR PLUMBING WORK WHICH IS SPECIFIED HEREIN AND SHOWN ON THESE DRAWINGS.
E.	REFER TO THE 2014 ILLINOIS STATE PLUMBING CODE FOR ADDITIONAL DEFINITIONS.
1.04	DRAWINGS
A.	THE DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO ILLUSTRATE THE GENERAL ARRANGEMENT AND ROUTING OF PIPING AND GENERAL LOCATIONS OF EQUIPMENT. PRECISE LOCATIONS OF EQUIPMENT, RISERS AND STACKS, AND ROUTING AND ELEVATION OF ALL PIPING SYSTEMS SHALL BE COORDINATED IN THE FIELD WITH THE ARCHITECT, ARCHITECTURAL DRAWINGS, THE WORK OF OTHER TRADES, EXISTING AND NEW BUILDING CONDITIONS AND/OR THE PREFERENCES OF THE OWNER/TENANT AS CONSTRUCTION PROCEEDS. ALL PIPING SHALL BE INSTALLED CONCEALED IN FINISHED SPACES, UNLESS NOTED OTHERWISE.
B.	PROVIDE ALL NECESSARY INCIDENTAL MATERIALS AND ACCESSORIES REQUIRED TO MAKE THE WORK COMPLETE IN ALL RESPECTS, EVEN IF NOT PARTICULARLY SHOWN OR SPECIFIED.
C.	REFER TO PLUMBING EQUIPMENT/FIXTURE SCHEDULE ON THE DRAWINGS FOR ALL FIXTURE AND EQUIPMENT SPECIFICATIONS.
D.	REFER TO FIXTURE CONNECTION SIZE SCHEDULE FOR ALL FIXTURE ROUGHING SIZE REQUIREMENTS.
E.	VERIFY ALL INDICATED CONDITIONS BEFORE STARTING WORK AND REPORT ANY DISCREPANCIES. THE DRAWINGS REFLECT CONDITIONS WHICH CAN BE REASONABLY INTERPRETED FROM THE EXISTING VISIBLE CONDITIONS OR FROM DRAWINGS AND INFORMATION FURNISHED BY THE OWNER.
F.	LOCATE ALL FIXTURES AND EQUIPMENT AS PER THE FINAL ARCHITECTURAL DRAWINGS.
1.05	PRODUCTS
A.	SANITARY AND VENT PIPING:
1.	ABOVE GRADE/ UNDERGROUND PIPING SHALL BE CAST IRON PIPE WHICH SHOULD COMPLY WITH ASTM A 74 STANDARD/CISPI 301.
2.	SLOPE OF DRAINAGE SYSTEM SHALL BE 1/8" PER FOOT OF RUN FOR PIPE OVER 3" (I.D.) AND 1/4" PER FOOT OF RUN FOR PIPE 3" AND SMALLER (I.D.).
3.	PVC OR OTHER COMBUSTIBLE PLASTIC PIPING SHALL NOT BE INSTALLED IN CEILING PLENUM SPACES.
4.	ALL CAST IRON SOIL PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADEMARK OF THE CAST IRON SOIL PIPE INSTITUTE (CISPI) AND BE LISTED BY NSF INTERNATIONAL.
B.	DOMESTIC WATER PIPING:
1.	ABOVE GRADE WATER PIPING SHALL BE TYPE 'L' HARD-DRAWN COPPER TUBE.
2.	FITTINGS IN DOMESTIC WATER PIPING SHALL BE COPPER OR COPPER ALLOY.
3.	JOINTS SHALL BE MADE WITH LEAD-FREE SOLDER.
4.	THE ENTIRE DOMESTIC WATER DISTRIBUTION SYSTEM SHALL BE INSULATED INCLUDING ALL VALVES, FITTINGS, ETC.
5.	COMPLY WITH NSF 61 FOR MATERIALS FOR WATER-SERVICE PIPING AND SPECIALTIES FOR DOMESTIC WATER.
6.	ALL DOMESTIC WATER PIPING ABOVE GRADE SHALL BE INSULATED WITH FIRE-RETARDANT, FACTORY-APPLIED JACKET. PROVIDE COLD WATER PIPING WITH FACTORY-APPLIED VAPOR BARRIER. INSULATION REQUIREMENT SHOULD COMPLY WITH 2018 INTERNATIONAL ENERGY CONSERVATION CODE. REFER BELOW TABLE C403.11.3 FOR MINIMUM PIPE INSULATION THICKNESS.

MINIMUM PIPE INSULATION THICKNESS							
FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
	CONDUCTIVITY BTU-IN./ (H· FT2·°F)	MEAN RATING TEMPERATURE, °F	<1	1 to < 1½	1½ to < 4	4 to < 8	>8
105–140	0.21–0.28	100	1.0	1.0	1.5	1.5	1.5
40–60	0.21–0.27	75	0.5	0.5	1.0	1.0	1.0

7. AS PER ILLINOIS ENERGY CONSERVATION CODE 2018 EDITION, C404.6 WATER DISTRIBUTION SYSTEM HAVING ONE OR MORE RECIRCULATION PUMPS THAT PUMP WATER FROM A HEATED-WATER SUPPLY PIPE BACK TO THE HEATED-WATER SOURCE THROUGH A COLD-WATER SUPPLY PIPE SHALL BE A DEMAND RECIRCULATION WATER SYSTEM.PUMPS SHALL HAVE CONTROLS THAT COMPLY WITH BOTH OF THE FOLLOWING:

- THE CONTROL SHALL START THE PUMP UPON RECEIVING A SIGNAL FROM THE ACTION OF A USER OF A FIXTURE,SENSING THE PRESENCE OF A USER OF A FIXTURE OR SENSING THE FLOW OF HOT OR TEMPERED WATER TO A FIXTURE.
- THE CONTROL SHALL LIMIT THE TEMPERATURE OF THE WATER ENTERING THE COLD-WATER PIPING TO 104°F(40°C).
- HW SYSTEM PIPING IS DESIGNED AS PER MAXIMUM ALLOWED PIPE LENGTH METHOD AS PER ILLINOIS ENERGY CONSERVATION CODE 2018 C404.5, THE HW PIPE LENGTH FROM THE NEAREST SOURCE OF HEATED WATER TO THE TERMINATION OF THE FIXTURE SUPPLY PIPE SHALL BE AS PER FOLLOWING TABLE.

NOMINAL PIPE SIZE (INCHES)	MIXIMUM PIPING LENGTH (FEET)	
	PUBLIC LAV	OTHER FIXTURES
½"	2'	43'
¾"	0.5'	21'
1"	0.5'	13'
1¼"	0.5'	8'
1½"	0.5'	6'
2" OR LARGER	0.5'	4'

- AS PER IECC 2018, C404.6.1, CONTROLS ARE INSTALLED THAT LIMIT OPERATION OF A RECIRCULATION PUMP INSTALLED TO MAINTAIN TEMPERATURE OF A STORAGE TANK. SYSTEM RETURN PIPE IS A DEDICATED RETURN PIPE OR A COLD WATER SUPPLY PIPE. AUTOMATIC TIME SWITCHES INSTALLED TO AUTOMATICALLY SWITCH OFF THE RE-CIRCULATING HOT HOT WATER SYSTEM OR HEAT TRACE.

C. GAS PIPING

- PROVIDE A COMPLETE GAS PIPING SYSTEM TO SERVE GAS FIRED EQUIPMENT AND EQUIPMENT FURNISHED BY OTHERS, AS NOTED ON DRAWINGS AS PER 2021 DUPAGE FUEL GAS CODE..

B. NATURAL GAS PIPING SHALL BE AS FOLLOWS:

- ASTM A–53 SCHEDULE 40 STEEL PIPE PAINTED WITH YELLOW ANTI-CORROSIVE PAINT, SCREWED OR WELDED IN ACCORDANCE WITH CODE REQUIREMENT (FITTINGS FOR LINES LARGER THAN 2" SHALL BE WELDED STEEL FITTINGS FOR LINES 2" AND SMALLER, EXCEPT WHEN LOCATED IN AIR PLENUMS, SHALL BE SCREWED STANDARD WEIGHT BLACK MALLEABLE).
- PROVIDE ALL UNIONS, SHUT-OFF VALVES AND DIRT LEGS REQUIRED BY NFPA–54 AND GOVERNING LOCAL CODES AND AT EACH GAS APPLIANCE CONNECTION.
- PROVIDE ALL TESTS, METERS, INSPECTIONS, HANGERS AND EQUIPMENT CONNECTIONS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM
- PAINT ALL GAS PIPING EXPOSED TO WEATHER WITH ONE COAT OF PRIMER, AND TWO COATS OF RUST-PROOF PAINT. COLOR OF PIPE ON ROOF SHALL BE YELLOW. COORDINATE COLOR OF PIPE ON EXTERIOR OF BUILDING WITH GC TO MATCH BUILDING COLORS.
- GAS COCKS 1–1/2" AND SMALLER SHALL BE ALL BRONZE, SCREWED, FLAT HEAD, BRASS PLUG AND WASHER 200 LB NOG. PROVIDE LINE SIZE 6" LONG DIRT LEG DOWN STREAM OF GAS COCK AT ALL EQUIPMENT CONNECTIONS.
- NO VALVES ARE TO BE LOCATED IN AIR PLENUMS
- PROVIDE GAS PIPE SUPPORTS IN ACCORDANCE WITH 2015 IFGC CODE REQUIREMENTS.

D. MIXING VALVES

- VALVE BODY SHALL BE MADE OF CAST BRASS. THE INTERNAL COMPONENTS SHALL BE MADE OF BRASS OR STAINLESS STEEL.
- TYPES A, C & D VALVES: VALVE SHUTS OFF IN FULL COLD POSITION AND MUST PASS THROUGH COLD RANGE BEFORE DELIVERING WARM AND/OR HOT WATER. TEMPERATURE LIMIT SET AT 105°F MAXIMUM DELIVERY TEMPERATURE. IF ONE SUPPLY SHOULD FAIL, THE OTHER WILL AUTOMATICALLY AND INSTANTLY SHUT DOWN. DELIVERY CAPACITY IS 5GPM @ 45 PSIG DIFFERENTIAL.
- TYPES OF VALVES: TYPE A– THERMOSTATICALLY OPERATED BY MEANS OF BI-METALLIC STRIP, OR EXPANSION BELLOW; TYPE B– SINGLE HANDLE MECHANICAL MIXER, OR INDIVIDUAL HOT AND COLD CONTROL VALVES; TYPE C– PRESSURE BALANCING SHOWER VALVE/PISTON OPERATED MIXING VALVE; TYPE D– BALANCED PRESSURE OPERATION, WITH INTEGRAL DIAL THERMOMETER INDICATING DELIVERED WATER TEMPERATURE.
- EACH ELEMENT SHALL BE CONTROLLED BY AN INDIVIDUALLY MOUNTED THERMOSTAT AND HIGH TEMPERATURE CUT-OFF SWITCH. ALL INTERNAL CIRCUITS SHALL BE FUSED. THE OUTER JACKET SHALL BE OF BAKED ENAMEL FINISH AND SHALL BE PROVIDED WITH FULL SIZE CONTROL COMPARTMENT FOR PERFORMANCE OF SERVICE AND MAINTENANCE THROUGH HINGED FRONT PANEL AND SHALL ENCLOSE THE TANK WITH FOAM INSULATION. ELECTRICAL JUNCTION BOX WITH HEAVY DUTY TERMINAL BLOCK SHALL BE PROVIDED. THE DRAIN VALVE SHALL BE LOCATED IN THE FRONT FOR EASE OF SERVICING.

E. HANGERS AND SUPPORTS:

- HANGERS SHALL BE STANDARD STEEL, MALLEABLE OR WROUGHT IRON, AS MANUFACTURED BY GRINNELL OR APPROVED EQUAL, SUITABLE FOR THE TYPE OF CONSTRUCTION. PIPING SHALL NOT BE HUNG FROM OTHER PIPE.
- SECTIONS OF INDIVIDUAL PIPE RUNS SHALL BE SUPPORTED BY CLEVIS HANGERS.
- ALL EQUIPMENT SHALL BE PROVIDED WITH APPROVED SUPPORTS..
- SUPPORTS SHALL BE PROVIDED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE PIPING MANUFACTURER.

F. VALVES:

- PROVIDE GATE VALVES, BUTTERFLY OR BALL VALVES FOR SHUT-OFF DUTY ON MAIN AND BRANCH SUPPLY LINES. FOR ALL PIPE RUNS 2" AND SMALLER, PROVIDE BALL FOR ALL PIPE RUNS LARGER THAN 2" AND SMALLER THAN 4", PROVIDE GATE VALVES. PIPING 4" AND LARGER, PROVIDE BUTTERFLY VALVES FOR SHUT-OFF DUTY.
- ALL FIXTURES WITH THE EXCEPTION O FLUSHOMETER-EQUIPPED WATER CLOSETS AND URINALS SHALL HAVE STOP VALVES TO CONTROL SUPPLY TO THE FIXTURE. WHERE SUPPLIES ARE EXPOSED PROVIDE CHROME-PLATED STOPS WITH CHROME-PLATED ESCUTCHEONS ON PIPING PENETRATIONS.
- ALL PLUMBING FIXTURES AND EQUIPMENT TO HAVE SHUT-OFF VALVES ON SUPPLY LINES.
- ALL BRANCH LINES TO HAVE SHUT-OFF VALVES.
- ALL VALVES SHALL BE ACCESSIBLE. PROVIDE ACCESS DOORS WHERE REQUIRED FOR VALVE ACCESS.
- PROVIDE GLOBE VALVES FOR THROTTLING/BALANCING OF THE HOT WATER CIRCULATING SYSTEM.

G. SLEEVES AND ESCUTCHEONS:

- SLEEVES THROUGH STRUCTURAL CONCRETE MEMBERS AND SLEEVES FOR WALLS BELOW GRADE AND FLOORS ON GRADE SHALL BE STANDARD WEIGHT GALVANIZED SCHEDULE 40 STEEL PIPE. SLEEVES THROUGH OTHER THAN STRUCTURAL COMPONENTS OF THE BUILDING SHALL BE 20 GAUGE GALVANIZED SHEET METAL WITH LOCK SEAM JOINTS. USG THERMAFIBER SAFING INSULATION SHALL BE INSTALLED BETWEEN PIPE AND SLEEVE.
- PIPE ESCUTCHEON PLATES SHALL BE INSTALLED WHERE EXPOSED PIPING PASSES THROUGH WALLS, CEILINGS, AND FLOORS AND SHALL BE MINIMUM 20 GAUGE STEEL. PROVIDE CHROME PLATED ESCUTCHEON PLATES IN FINISHED AREAS.

H. DRAINAGE ACCESSORIES

- GENERAL:
 - INSTALL THE WORK OF THIS SECTION IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, UNLESS OTHERWISE SPECIFIED.
 - SECURE EXTERNAL COMPONENTS IN PLACE WITH VANDAL RESISTANT FASTENERS OR DEVICES WHICH CANNOT BE REMOVED WITHOUT SPECIAL TOOLS.
- DEVICES:
 - CLEANOUT & CLEANOUT PLUG
 - THREADED PIPE FITTING OR CAST IRON FERRULE WITH GAS TIGHT CLEANOUT PLUG
 - PLUG SHOULD BE CAST BRASS OR BRONZE, WITH THREADED END, AND RAISED OR COUNTERSUNK HEAD.
 - LUBRICATE THREADS OF CLEANOUT PLUG WITH ANTI-SEIZE LUBRICANT BEFORE FINAL INSTALLATION.
 - CLEANOUT WALL PLATE
 - IT SHOULD BE ROUND, STAINLESS STEEL OR POLISHED CHROME PLATED BRONZE COVER PLATE WITH STAINLESS STEEL VANDAL RESISTANT FASTENER TO SECURE TO CLEANOUT PLUG.
 - CLEANOUT DECK PLATE
 - IT SHOULD BE STANDARD DUTY FLOOR CLEANOUT FITTING WITH COATED CAST IRON BODY; ROUND, POLISHED NICKEL BRONZE SCORiated TOP SECURED TO CLEANOUT PLUG WITH STAINLESS STEEL VANDAL RESISTANT FASTENER; THREADED HEIGHT ADJUSTMENT, CAST IRON HEAD, GAS TIGHT CLEANOUT PLUG, AND CONNECTION TO MATCH PIPING OPTION SELECTED.

- INSTALL PIPING TO CONSERVE BUILDING SPACE. DO NOT INTERFERE WITH USE OF BUILDING SPACE AND THE WORK OF OTHER TRADES. ALL PIPING RUN IN CEILING SHALL BE INSTALLED TIGHT TO THE STRUCTURE ABOVE.

J. VERIFY EXACT LOCATIONS OF ALL EXISTING UTILITIES.

- INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS OR CONNECTED EQUIPMENT. PROVIDE PIPE ANCHORS, GUIDES AND EXPANSION JOINTS OR LOOPS IN ALL HOT WATER AND HOT WATER CIRCULATING MAIN SUPPLY PIPING AND SEGMENTS OF SUCH PIPE THAT EXCEED 30'–0" IN LENGTH.

- IN ALL AREAS WITH FINISHED SURFACES, SYSTEM PIPING AND COMPONENTS SHALL BE CONCEALED ABOVE OR WITHIN FINISHED SURFACES.

- INSTALL VALVES WITH STEMS UPRIGHT OR HORIZONTAL. REMOVE PROTECTIVE COATINGS PRIOR TO INSTALLATION.

- REDUCTIONS IN PIPE SIZES SHALL BE MADE WITH ONE-PIECE REDUCING FITTINGS. BUSHINGS ARE NOT ACCEPTABLE. USE FLANGED FITTINGS AT THE BASE OF RISERS.

- IF WATER PRESSURE EXCEEDS 80 PSI, A WATER PRESSURE REDUCING VALVE SHALL BE INSTALLED IN WATER PIPING AT CONNECTION TO MAIN.

P. PROVIDE DIELECTRIC FITTINGS BETWEEN DISSIMILAR METALS.

- PIPE BACKFLOW PREVENTER DRAINS TO FLOOR DRAIN OR OTHER APPROVED INDIRECT WASTE SOURCE.

- PROVIDE ACCESS DOORS/PANELS FOR SERVICE AND ACCESS TO ALL VALVES AND OTHER SYSTEM COMPONENTS ENCLOSED IN WALLS AND CEILINGS. ACCESS DOORS SHALL BE FURNISHED BY THIS CONTRACTOR, INSTALLED BY THE GENERAL CONTRACTOR.

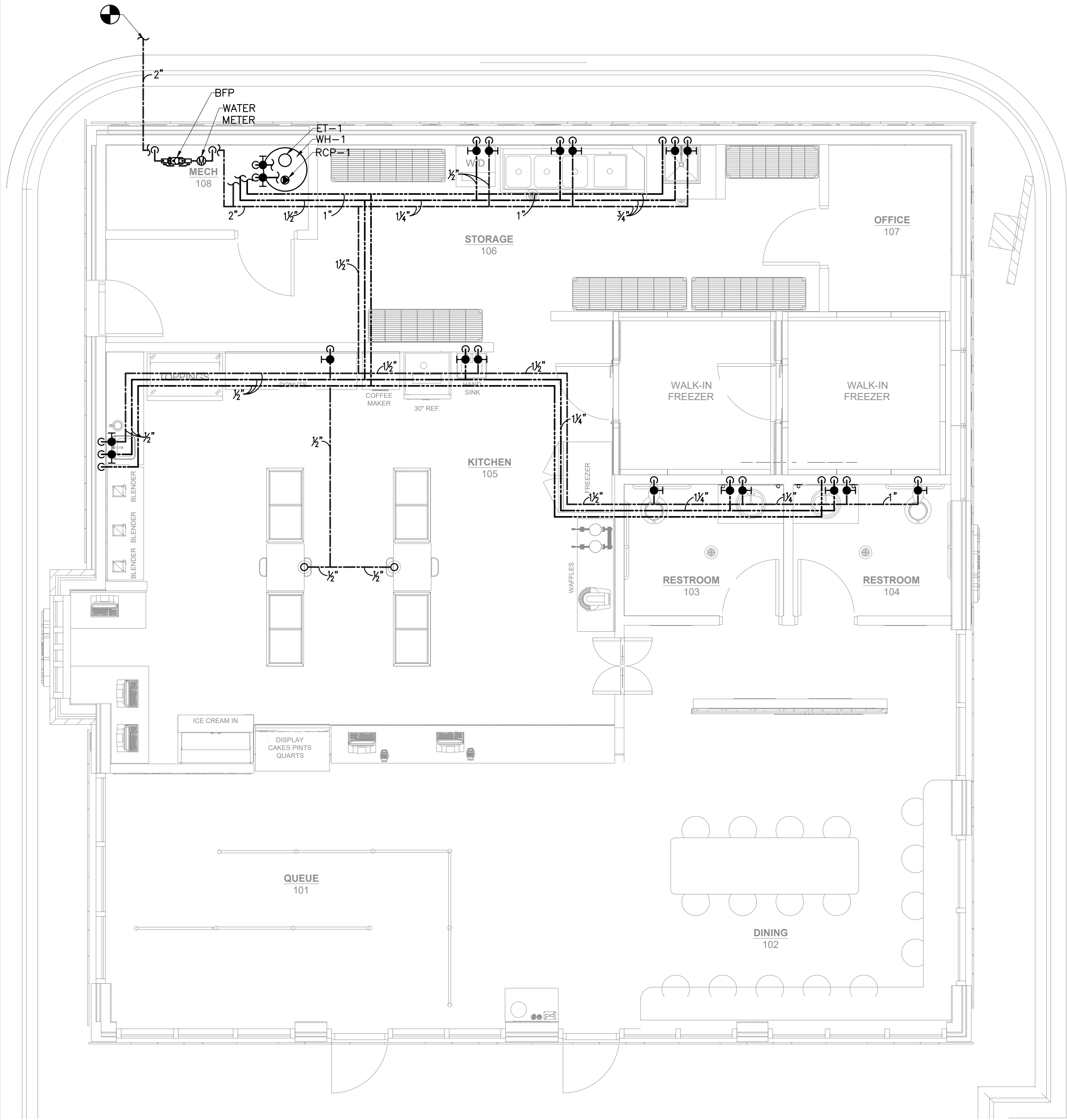
- ALL FIXTURES REQUIRING VACUUM BREAKERS SHALL BE EQUIPPED WITH INTEGRAL VACUUM BREAKERS.

PLUMBING SYMBOLS, ABBREVIATIONS NOTES AND SPECIFICATION (1 OF 2)

P001

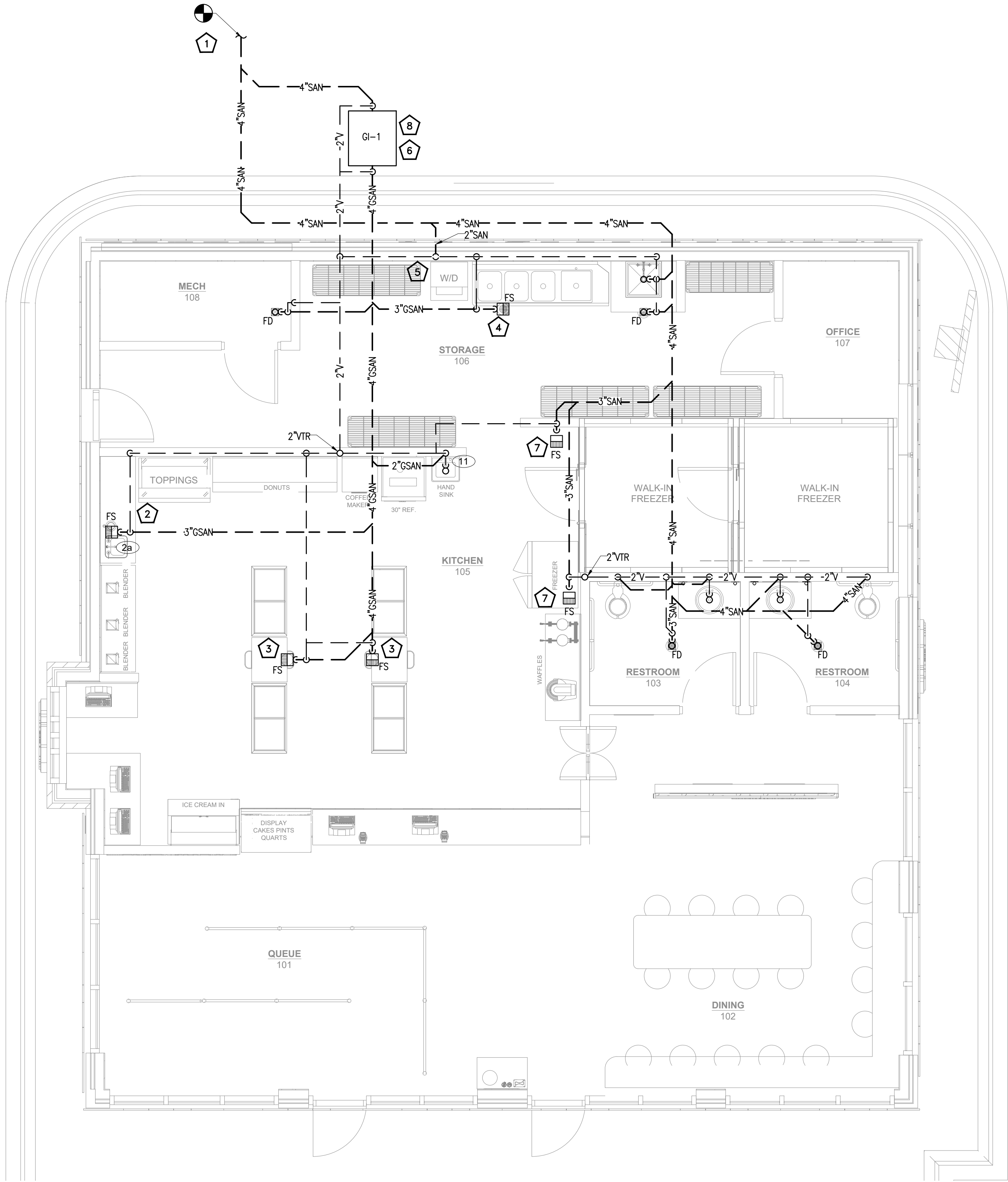
Scale 1/4" = 1'-0"

- GENERAL NOTES:
1. CW/HW PIPING TO BE PROVIDED WITH INSULATION AS PER 2020 FBC- ENERGY CONSERVATION, 7th EDITION (REFER SHEET P0.1)
 2. PROVIDE BRANCH PRV IF PRESSURE EXCEEDS 80 PSI.
 3. CONTRACTOR TO FIELD VERIFY FEASIBILITY OF SLAB PENETRATION AS PER STRUCTURAL REQUIREMENT.
 4. PROVIDE ACCESS PANELS FOR WATER HAMMER ARRESTOR, CLEANOUTS & SHUT-OFF VALVES AS REQUIRED.
 5. REFER RISER DIAGRAMS FOR ALL PIPE SIZES.
 6. ANY ROOF PENETRATION SHALL BE PERFORMED BY LANDLORD'S ROOFERS AT LANDLORD OPTION, A BONDED ROOFER APPROVED IN ADVANCE BY LANDLORD.
 7. PROVIDE TRAP PRIMER/ SEAL ON FLOOR DRAIN AS PER LOCAL JURISDICTION.



1 DOMESTIC WATER PIPING PLAN
SCALE: 1/4" = 1'-0"

- SANITARY KEYED NOTES:
1. CONNECT NEW 4" SANITARY LINE TO EXISTING SANITARY WASTE LINE IN SPACE. CONTRACTOR TO FIELD VERIFY EXISTING SANITARY SIZE, ROUTING AND INVERT PRIOR TO BID. RE-ROUTE SANITARY AS PER SITE CONDITION IF REQUIRED. BASE BID ACCORDINGLY.
 2. INDIRECT WASTE FROM PITCHER RINSER TO ADJACENT FLOOR SINK WITH APPROVED AIR GAP.
 3. ROUTE INDIRECT WASTE FROM DIPPER WELL TO FLOOR SINK WITH APPROVED AIR GAP.
 4. ROUTE INDIRECT WASTE FROM 3 COMP SINK TO FLOOR SINK WITH APPROVED AIR GAP.
 5. 2" DRAIN FROM THE WASHER/DRYER TO MAIN DRAIN.
 6. 50 GALLONS GRAVITY GREASE INTERCEPTOR. CONTRACTOR TO CONFIRM FINAL LOCATION WITH LANDLORD PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF CONDITION DIFFER THAN SHOWN ON PLAN.
 7. ROUTE INDIRECT WASTE FROM FREEZER REFRIGERATOR TO FLOOR SINK WITH APPROVED AIR GAP.
 8. MINIMUM 8" THICK CONCRETE SLAB WITH REBAR REQUIRED.

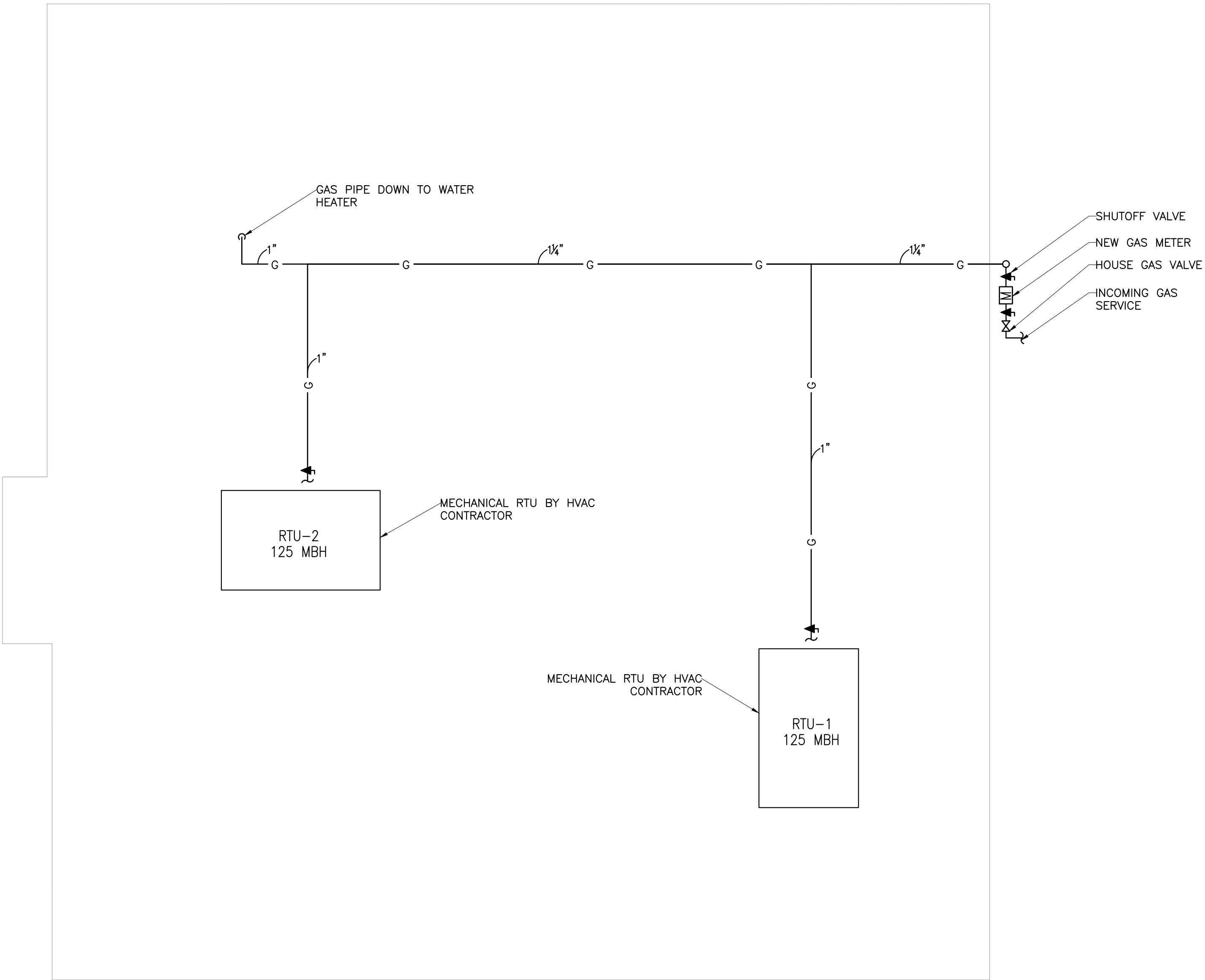


2 SANITARY PIPING PLAN
SCALE: 1/4" = 1'-0"

No.	Description	Date

PLUMBING
WATER AND
SANITARY
PIPING PLAN

P101



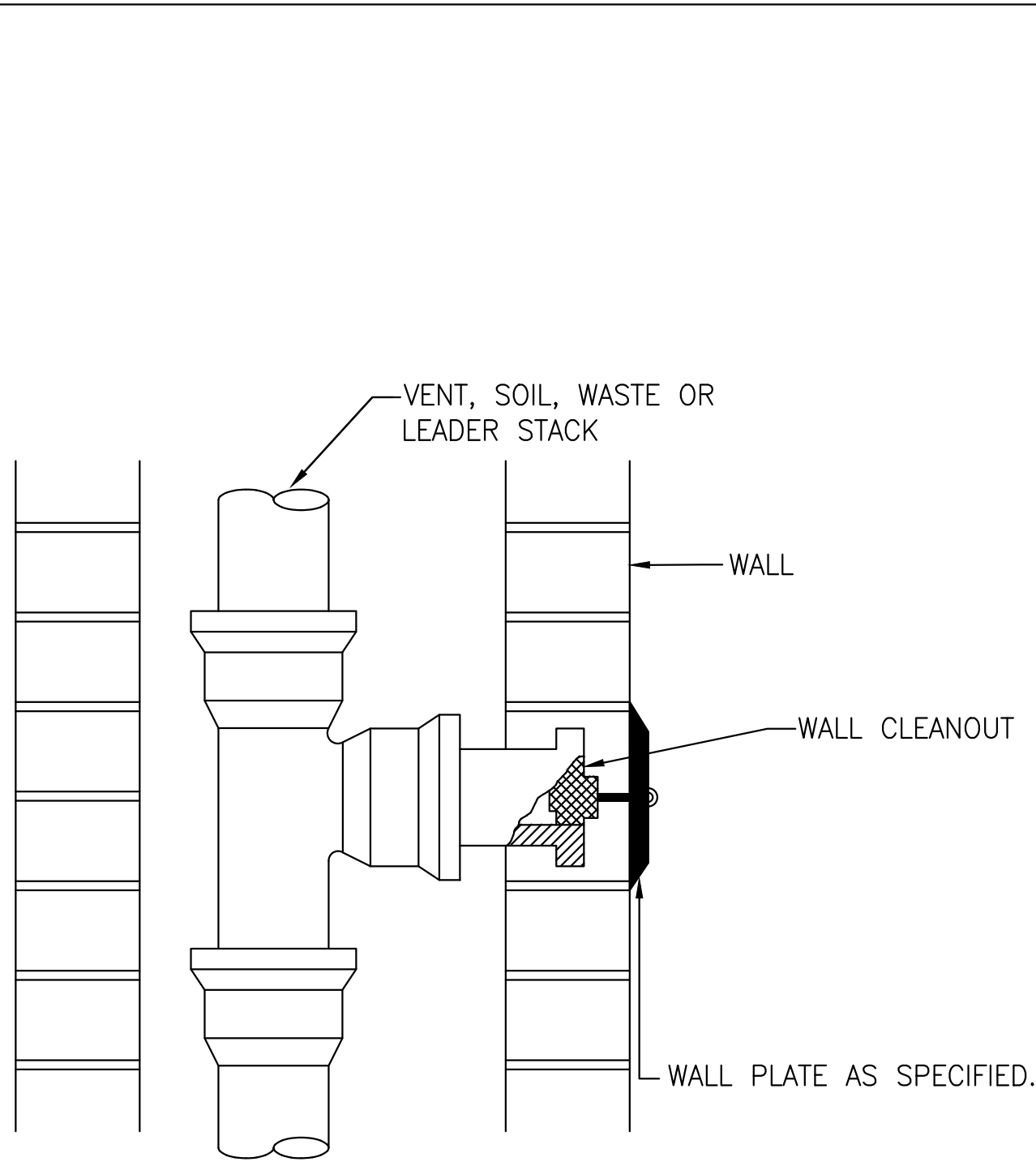
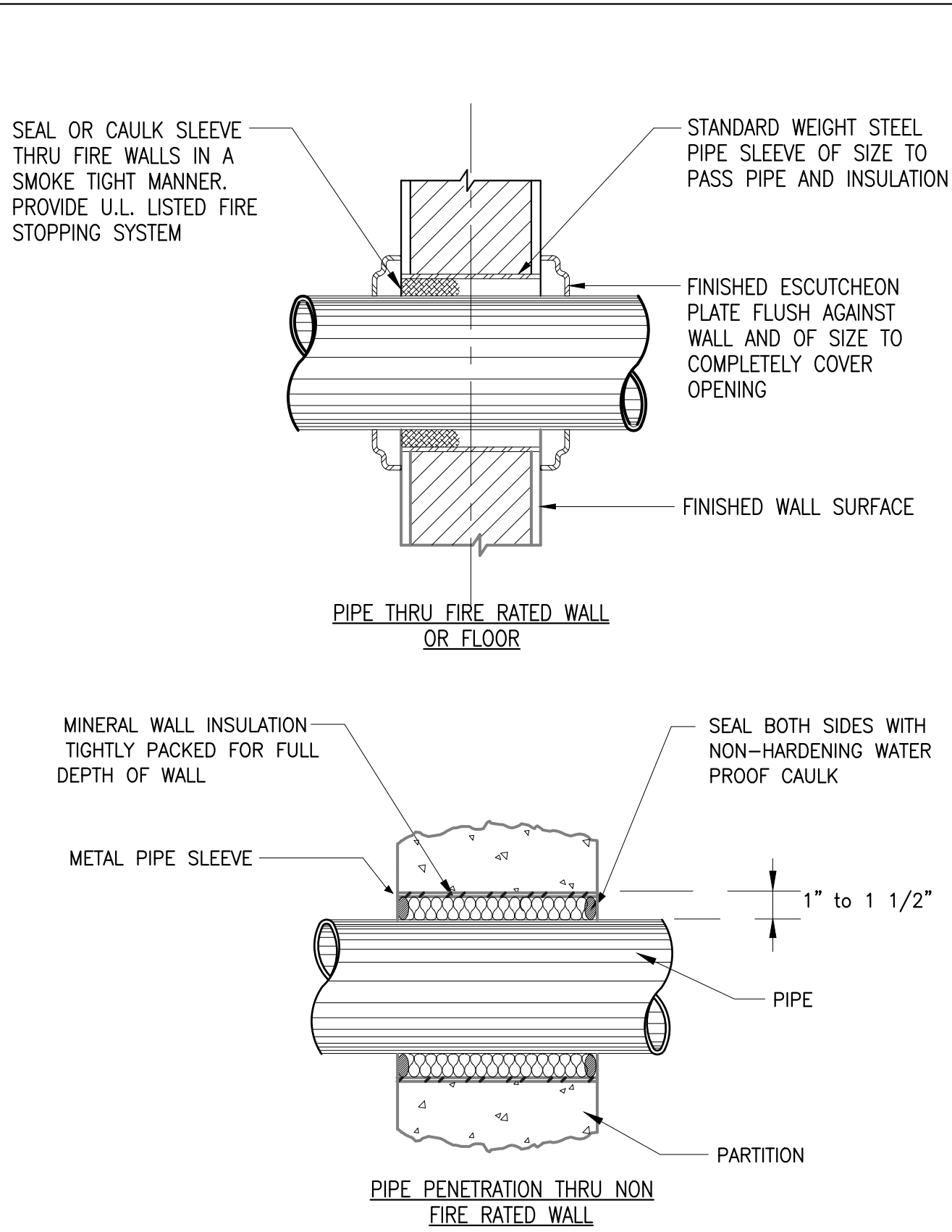
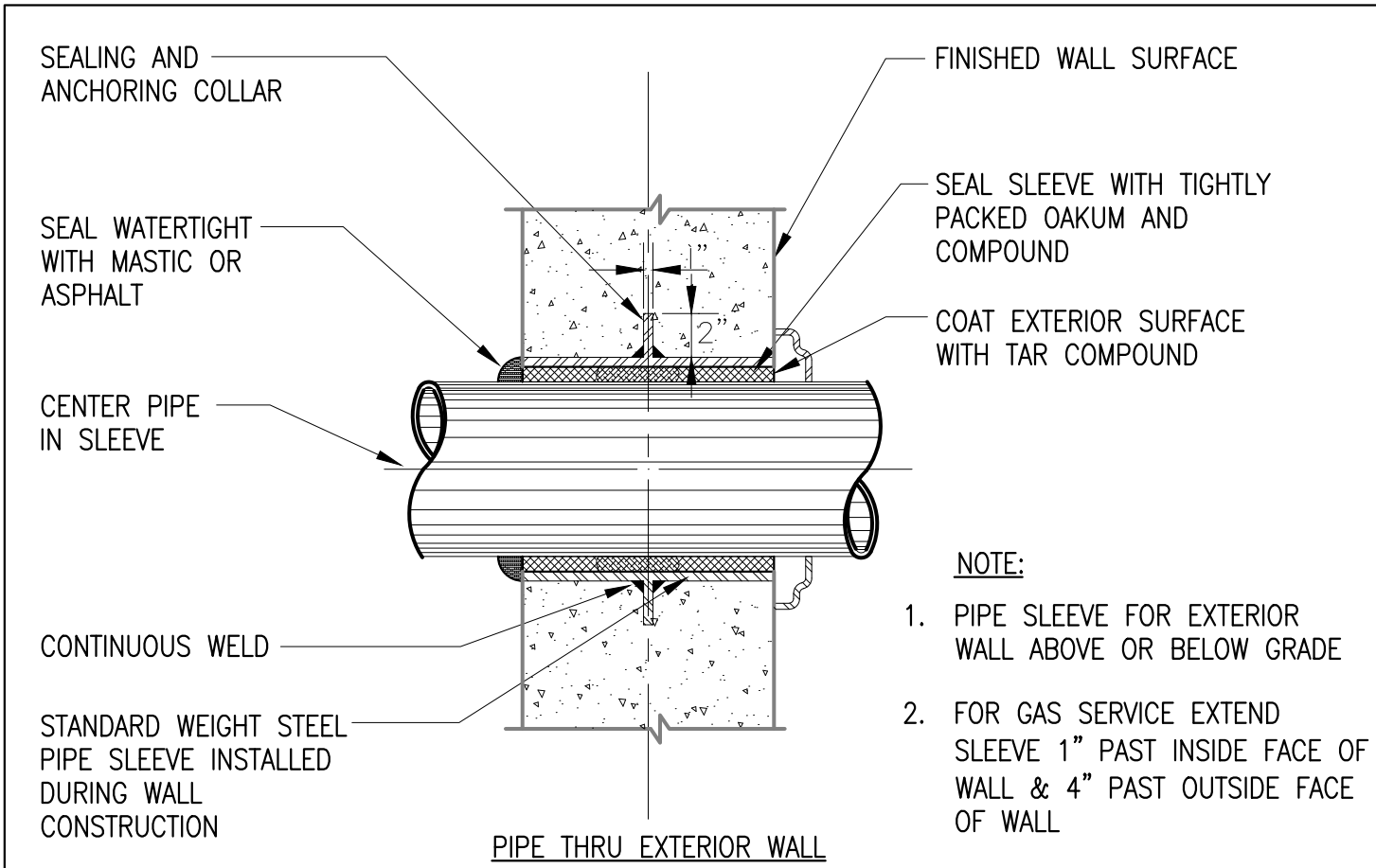
1 GAS PIPING PLAN
SCALE: 1/4" = 1'-0"

19781 Crawford Avenue, Flossmoor, Illinois
Attachment: Complete Class 8 Application Rainbow Cone Flossmoor (Rainbow Cone Class 8 Resolution - 19805 Crawford Avenue)

No.	Description	Date

PLUMBING
ROOF FLOOR
GAS PLAN

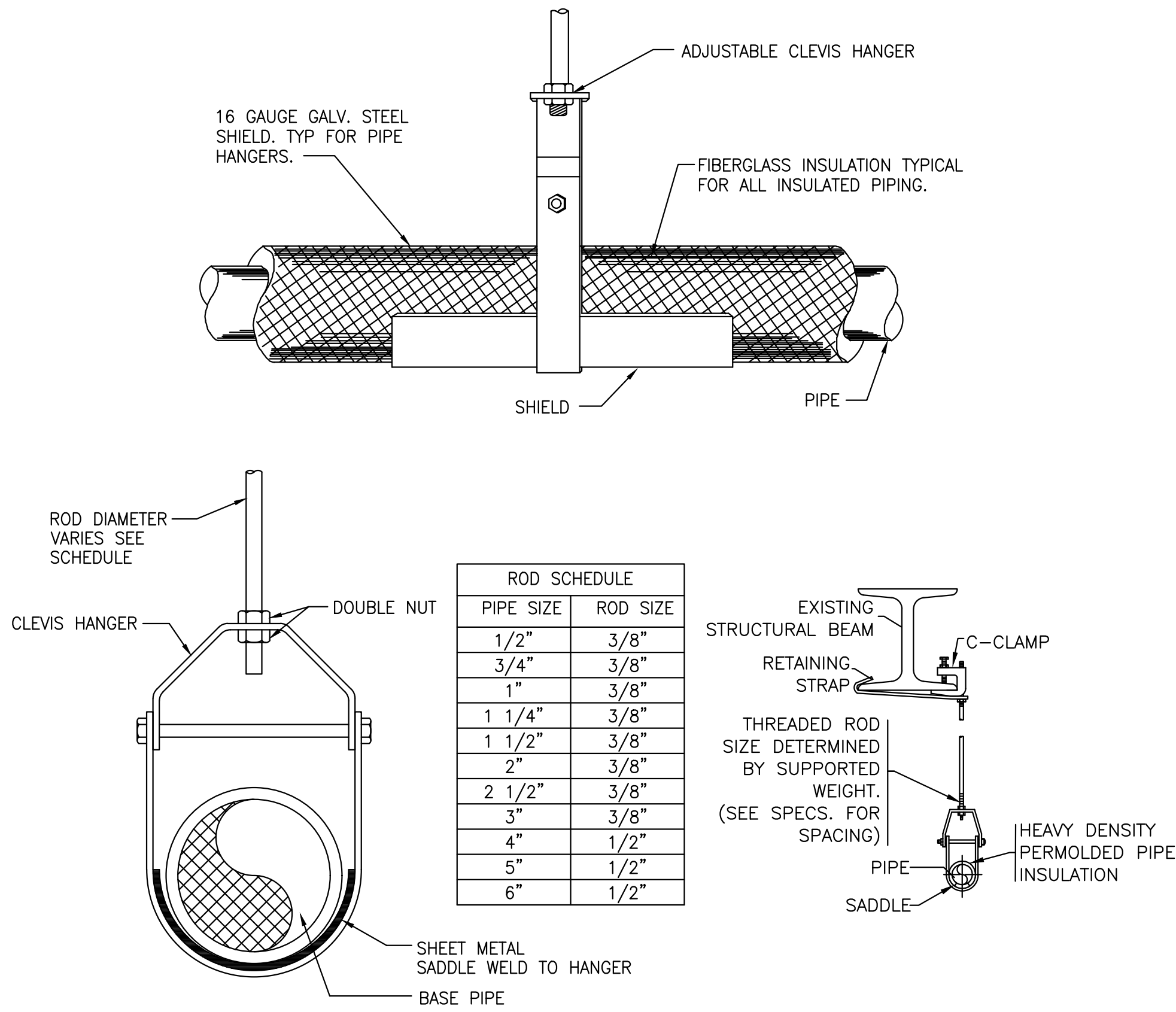
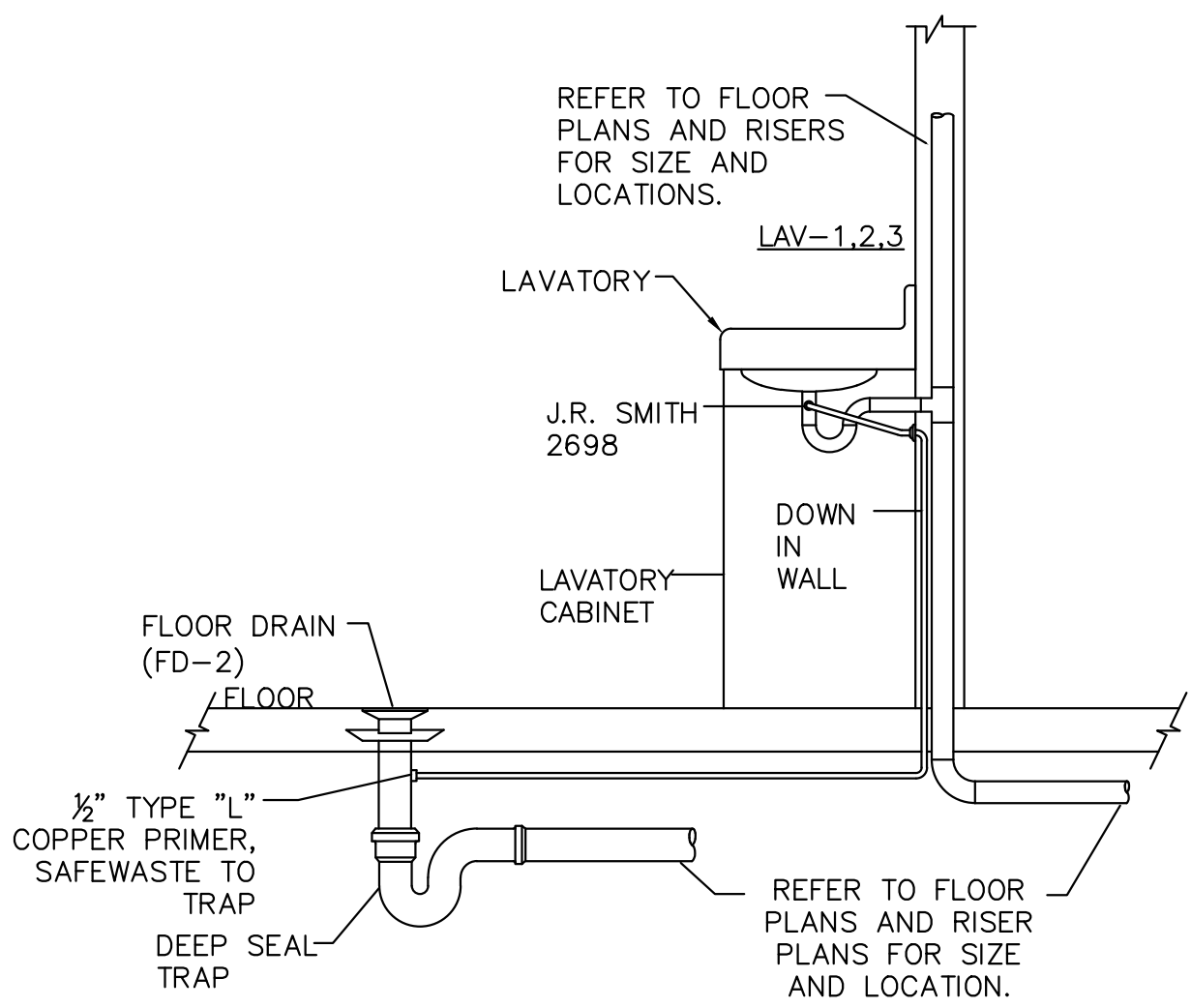
P102



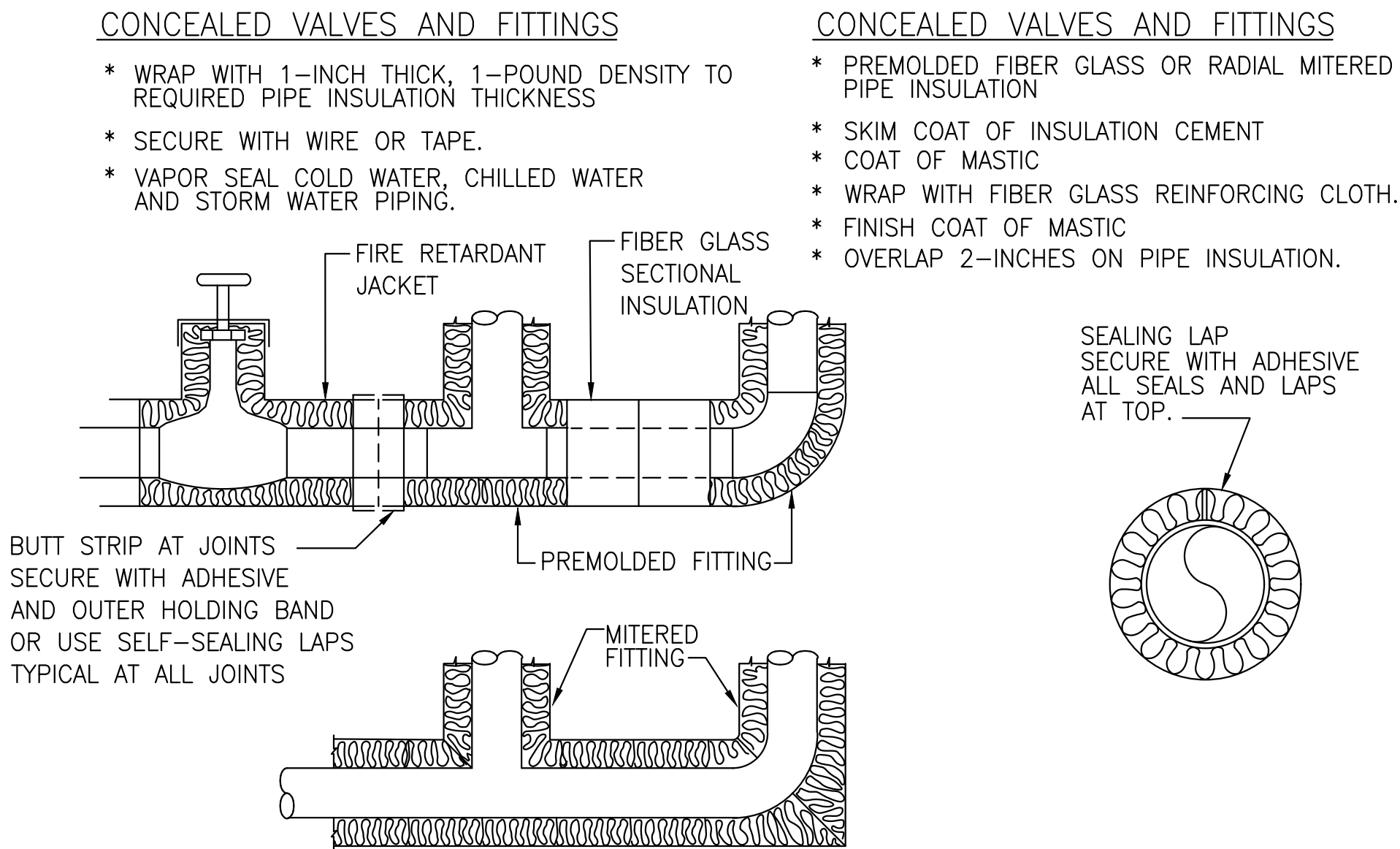
1 PIPE SLEEVE THRU WALL SECTION
P501 N.T.S

2 FLOOR DRAIN DETAILS
P501 N.T.S

3 WALL CLEANOUT DETAIL
P501 N.T.S



5 HANGER DETAIL
P501 N.T.S



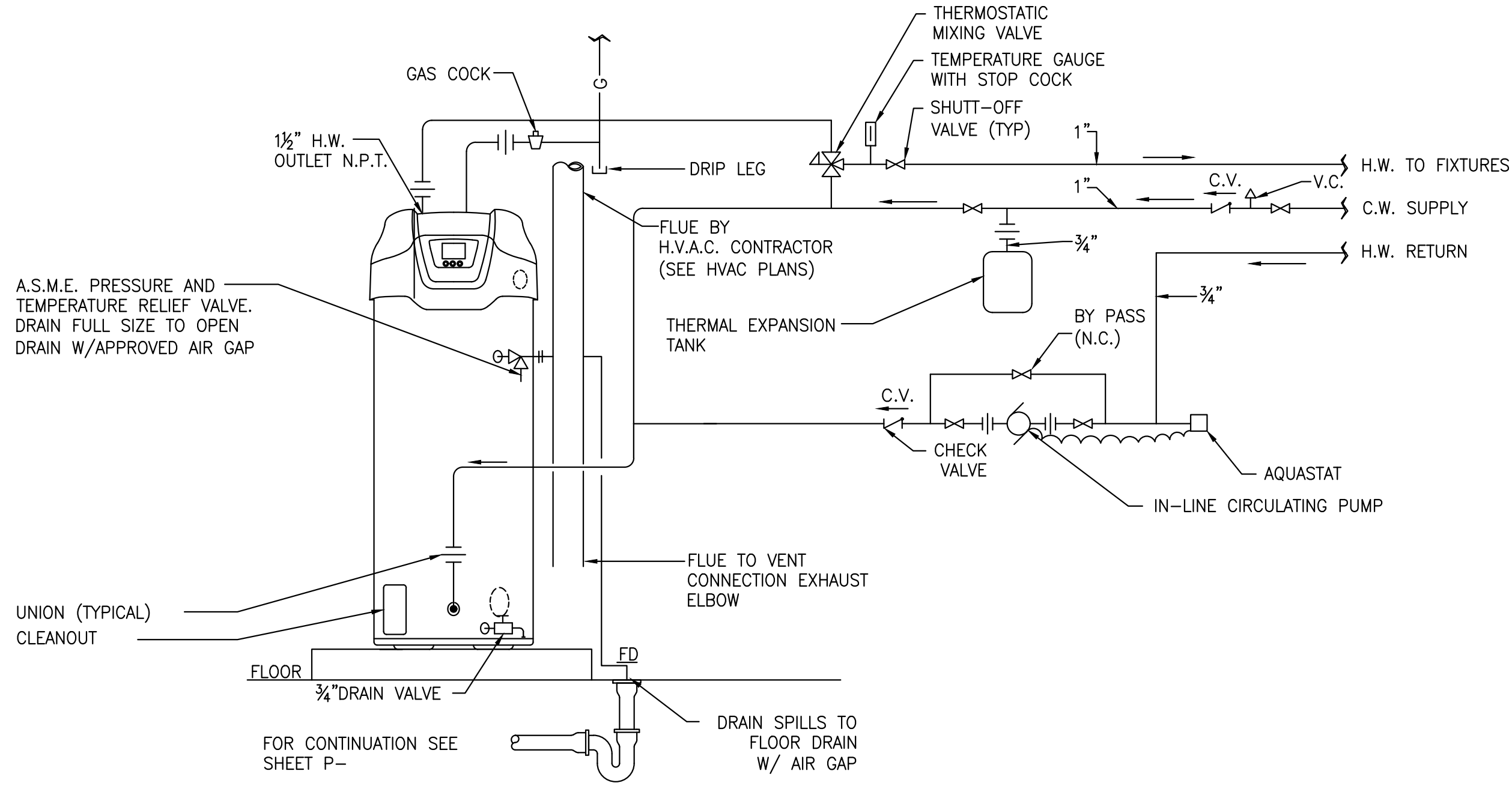
6 INSULATION OF PIPING, VALVES AND FITTINGS
FOR EXPOSED AND CONCEALED LOCATIONS
P501 N.T.S

7 FLOOR DRAIN TRAP PRIMER DETAIL
P-502 N.T.S

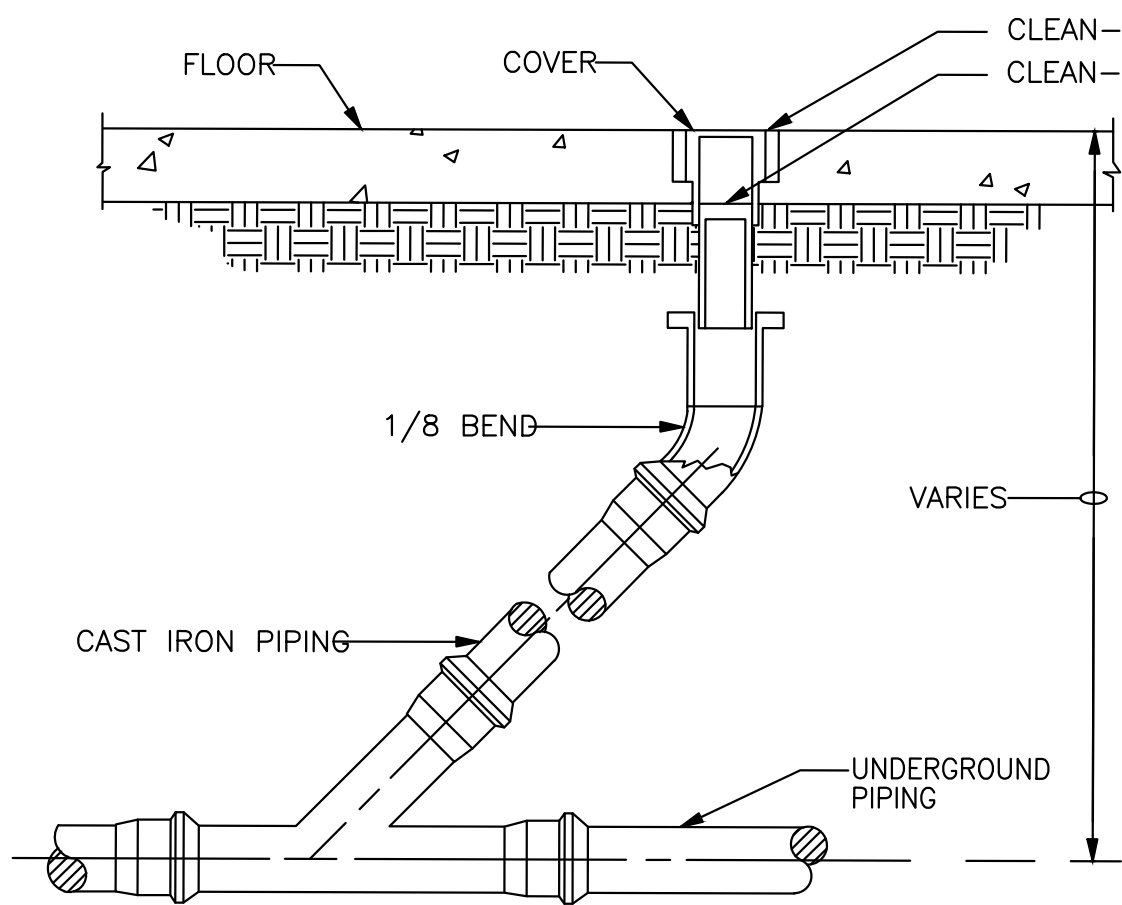
No.	Description	Date

PLUMBING
DETAILS (1 OF 2)

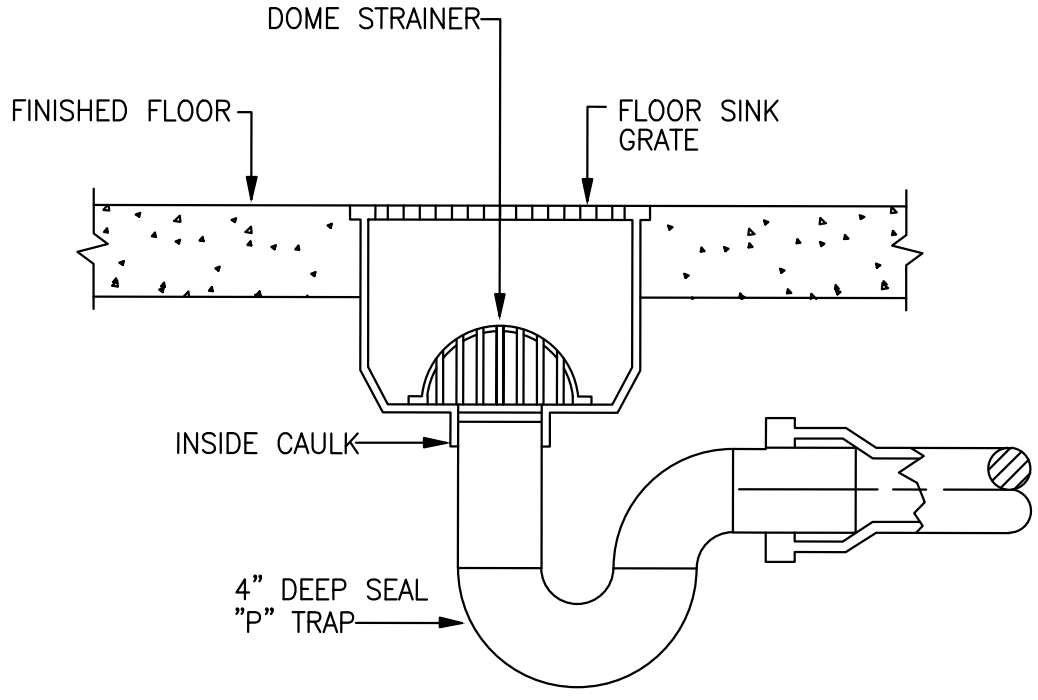
P501



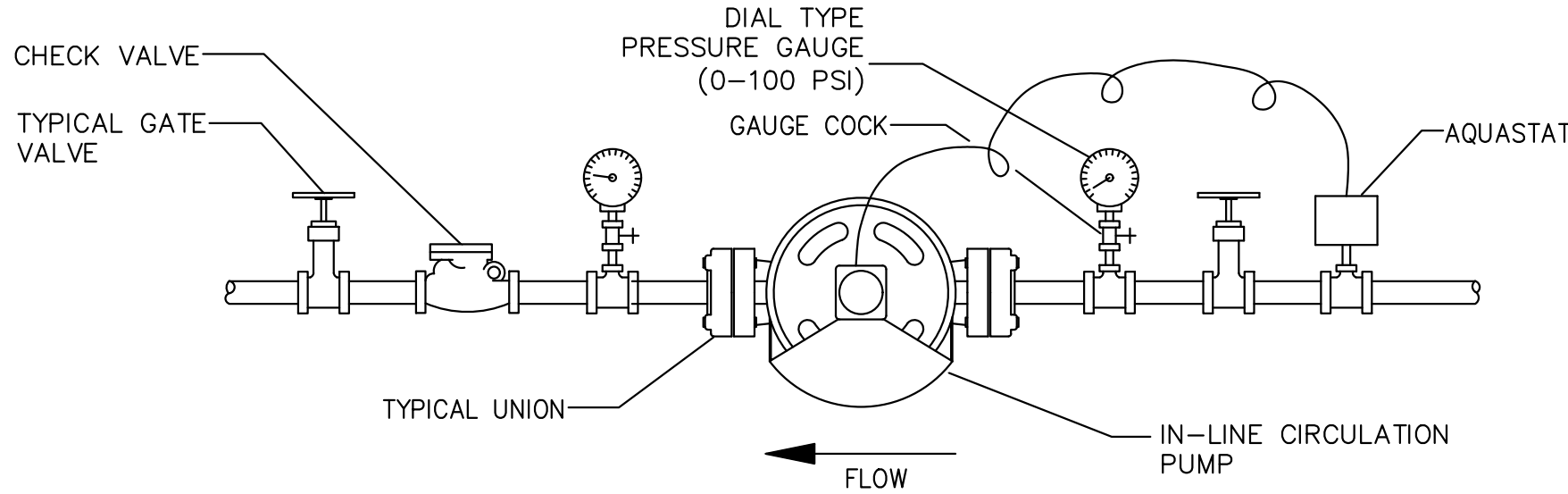
1 GAS FIRED HOT WATER HEATER (FLOOR MOUNTED) DETAIL
P-502 N.T.S



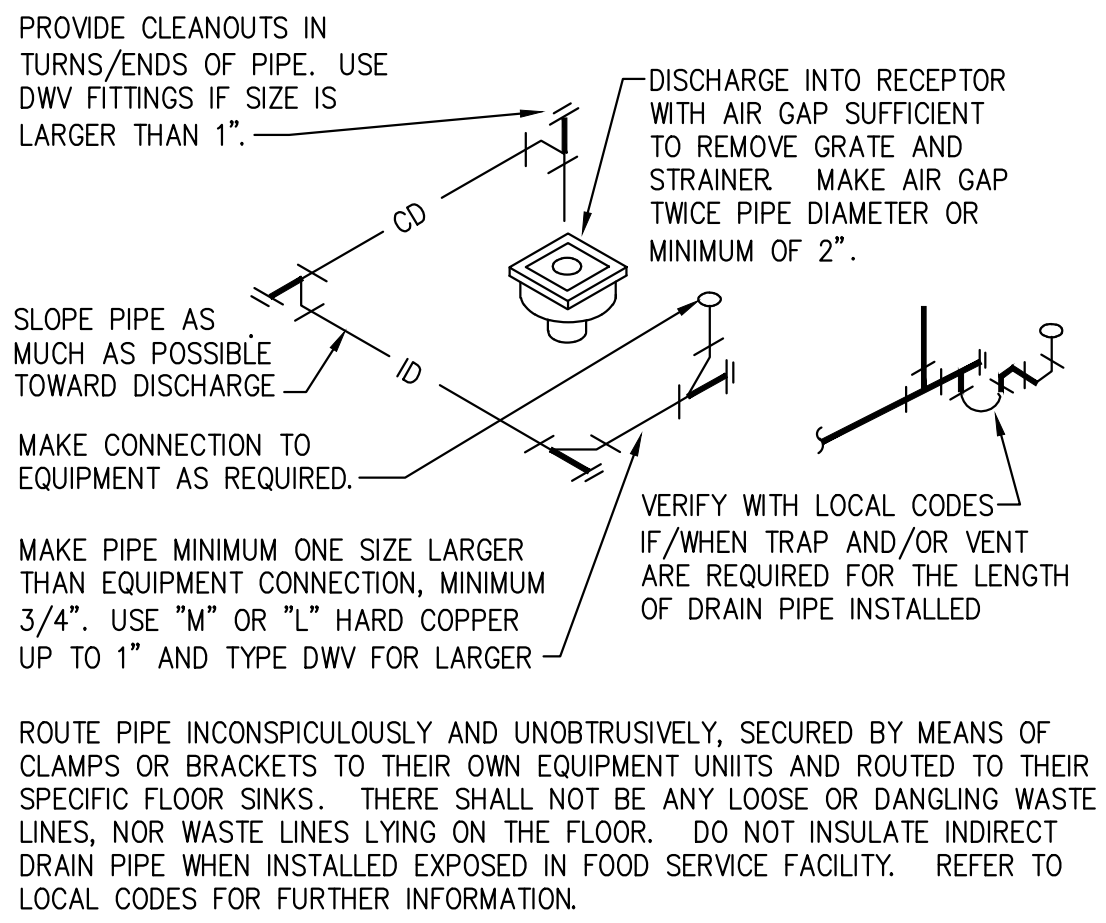
2 FLOOR CLEANOUT DETAIL
P2.1 N.T.S



3 FLOOR SINK DETAILS
P2.1 N.T.S



4 INLINE RECIRCULATING PUMP DETAIL
P2.1 N.T.S



5 INDIRECT/CONDENSATE DRAIN
P2.1 N.T.S

INSTALL PER PDI STANDARDS AND MANUFACTURER'S INSTRUCTIONS

HOT OR COLD WATER SUPPLY

IF HORIZONTAL BRANCH IS LESS THAN 20' LONG, PROVIDE ONE WHA AT END OF LINE
IF BRANCH IS GREATER THAN 20' LONG, PROVIDE ANOTHER WHA IN MIDDLE, EACH SIZED FOR HALF THE FIXTURE UNITS

PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154
F	2"	154-330

FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
VALVE WATER CLOSET	10	--
TANK WATER CLOSET	5	--
URINAL	5	--
LAVATORY/SINK	1.5	1.5
JANITOR'S SINK	3	3
SHOWER/BATHTUB	2	2

PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE.

6 WATER HAMMER ARRESTORS
P2.1 N.T.S

SPECIFICATIONS

Notes:

- 4" FPT inlet/outlet with 4" plain end adapters, single inlet and triple outlet.
- Unit weight - w/ cast iron cover: 148 lbs. (For wet weight add 542 lbs.)
- Maximum operating temperature: 150° F continuous
- Capacities - Liquid: 65 gal.; Grease: 435.5 lbs. (60 gal.) @50GPM Grease: 287.2 lbs. (43 gal.) @75GPM Solids: 13 gal.
- For gravity drainage applications only.
- Do not use for pressure applications.
- Cover placement allows full access to tank for proper maintenance.
- Vent not required unless per local code.
- Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping.
- Integral air relief / Anti-siphon / Sampling access.
- Adjustable cover adapters provide up to 4" of additional height.
- Designed for below-grade, above-grade, indoor or outdoor installations.
- Safety Star®, access restrictor built into each cover adapter, prevents accidental entry to tanks (450 lb rating).

ENGINEER SPECIFICATION GUIDE

Schier Great Basin™ grease interceptor model # GB-50 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter and three outlet options. Interceptor shall be certified to ASME A112.14.3 (Type D) and CSA B481.1. Interceptor flow rate shall be 50 GPM or 75 GPM. Interceptor grease capacity shall be 435.5 lbs. Cover shall provide water/gas tight seal and have minimum 16,000 lbs. load capacity.

CERTIFIED PERFORMANCE

Great Basin™ hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

Type D certification does not require a flow control

TOP VIEW
(COVER REMOVED FOR CLARITY)

SECTION A-A

ISOMETRIC VIEW

END VIEW

SPECIFICATION SHEET

MODEL NUMBER: GB-50

PART NUMBER: 4025-009-01

DESCRIPTION: GB-50 GREASE INTERCEPTOR 50 GPM / 75 GPM, 4" INLET/OUTLET, H-20 RATED CAST IRON COVER

DWG BY: T.ASAY **DATE:** 8/16/2022 **REV:** - **ECO:** -

SCHIER

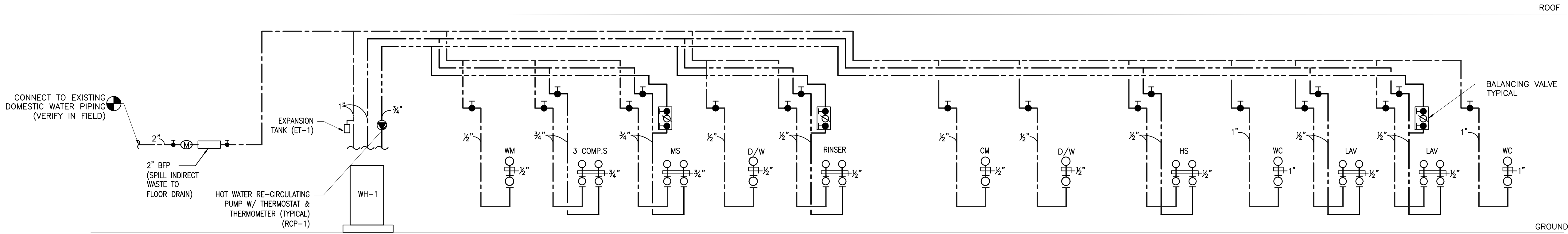
6455 Woodland Dr
Shawnee, KS 66218
Tel: 913-851-3300
Fax: 913-851-3399
schierproducts.com

7 GREASE INTERCEPTOR DETAILS
P2.1 N.T.S

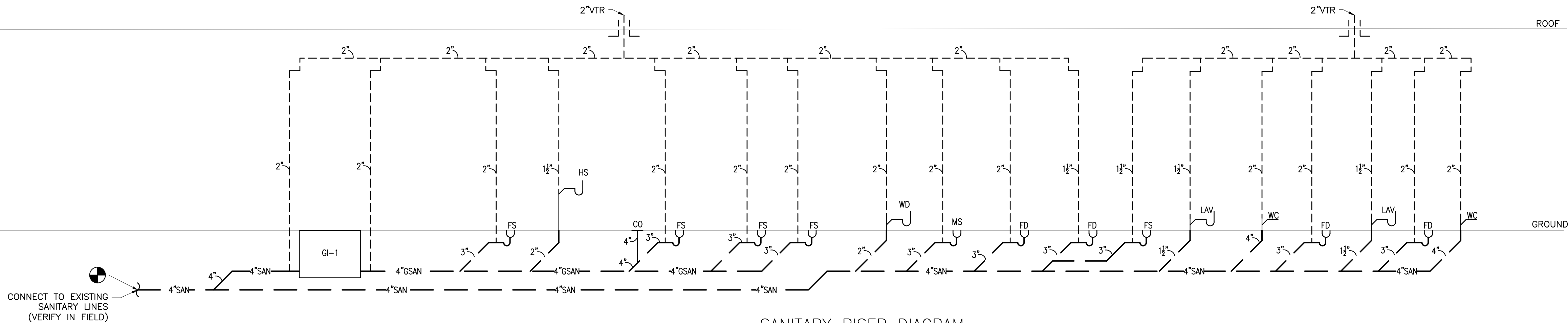
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PLUMBING
DETAILS (2 OF 2)

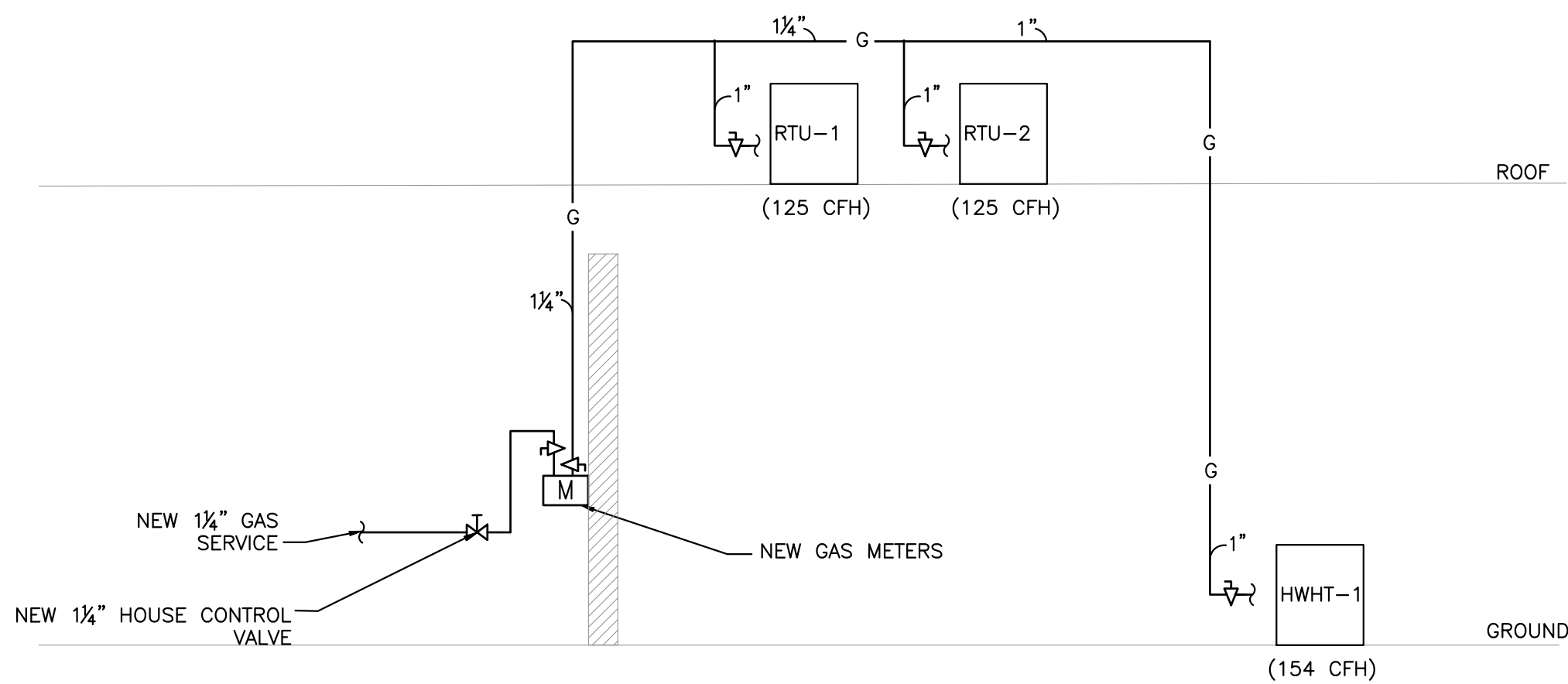
P502



DOMESTIC WATER SUPPLY RISER DIAGRAM
NOT TO SCALE



SANITARY RISER DIAGRAM
NOT TO SCALE



GAS RISER DIAGRAM
NOT TO SCALE

GAS FIRED WATER HEATER SCHEDULE												
WATER HEATER NO.	QUANTITY	LOCATION	NATURAL GAS		GAS CONN.	WATER CONN.	MINIMUM GAS SUPPLY PRESSURE	MAXIMUM GAS SUPPLY PRESSURE	THERMAL EFFICIENCY	STORAGE (GALLONS)	BASED ON	REMARKS
			INPUT (MBH) PER HEATER	RECOVERY GPH @100° F RISE							MFR.& MODEL	
HWHT-1	1	MECH. ROOM	154	148	¾"	1½"	3.5"WC	14"WC	80%	81	AO SMITH ULTRA-LOW NOx BTL-154	- DIMENSION 27¾" D X 65"H. - PROVIDE CLEARANCES FOR HEATER AS PER MANUFACTURER'S RECOMMENDATION. - PROVIDE DRAIN PAN. - PROVIDE HWCP-1, THERMOSTATIC MIXING VALVE(TMV-1) AND EXPANSION TANK (ET-1) AS PER SCHEDULE. - PROVIDE CONDENSATE DRAIN NEUTRALIZATION KIT (KIT P/N 100289339) - CO-ORDINATE WITH MECHANICAL CONTRACTOR FOR COMBUSTION AIR INTAKE & EXHAUST CONNECTIONS. - PROVIDE BALANCING VALVE FOR EACH WATER HEATER (INSTALLATION AS PER MANUFACTURER'S RECOMMENDATION).

19781 Crawford Avenue, Flossmoor, Illinois

Attachment: Complete Class 8 Application Rainbow Cone Flossmoor (Rainbow Cone Class 8 Resolution - 19805 Crawford Avenue)

No.	Description	Date

PLUMBING
RISER &
SCHEDULE

P503

CONSULTANTS:

FOODSERVICE EQUIPMENT
PLAN AND SCHEDULE

RAINBOW CONE
Flossmoor

PROJECT NO.: 28523

CONSTRUCTION SET

DATE: JULY 19, 2023



FOOD SERVICE DESIGN
CONSULTANTS

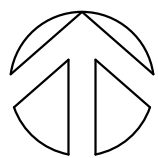
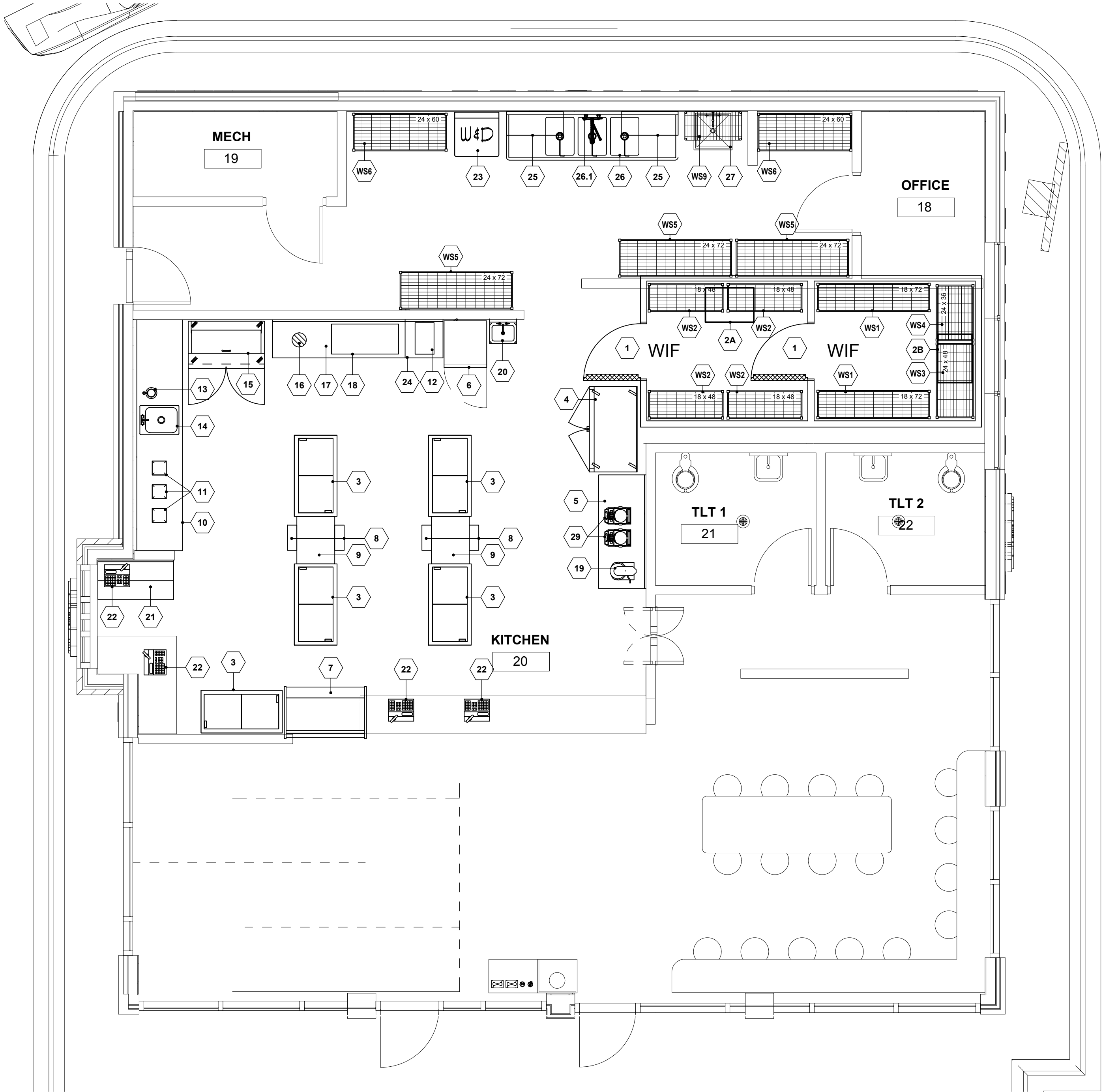
110 S. 14TH STREET, SUITE 200
LINCOLN, NE 68508 TEL. 402.475.787

FS-1

FOOD SERVICE SHEET INDEX	
FS-1	FOOD SERVICE EQUIPMENT PLAN AND SCHEDULE
FS-1A	FOOD SERVICE MECHANICAL AND ELECTRICAL SCHEDULES
FS-2	FOOD SERVICE EQUIPMENT PLUMBING ROUGH-IN PLAN AND NOTES
FS-3	FOOD SERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN
FS-4	FOOD SERVICE EQUIPMENT SPECIAL CONDITIONS PLAN

FOOD SERVICE EQUIPMENT		
ITEM NO.	QUANTITY	ITEM DESCRIPTION
WS1	2	WALK-IN SHELVING
WS2	4	WALK-IN SHELVING
WS3	1	WALK-IN SHELVING
WS4	1	WALK-IN SHELVING
WS5	3	WIRE SHELVING
WS6	2	WIRE SHELVING
WS7	-	SPARE NUMBER
WS8	-	SPARE NUMBER
WS9	1	CHEMICAL SHELF
WS10	-	SPARE NUMBER

FOOD SERVICE EQUIPMENT		
ITEM NO.	QUANTITY	ITEM DESCRIPTION
1	2	FREEZER COMPARTMENT
2A	1	FREEZER REFRIGERATION SYSTEM
2B	1	FREEZER REFRIGERATION SYSTEM
2.1	2	FREEZER CONDENSATION UNIT
3	6	DISPLAY FREEZER
4	1	REACH-IN FREEZER
5	1	WORKTABLE - 60" LONG
6	1	REACH-IN REFRIGERATOR
7	1	DISPLAY FREEZER
8	4	DIPPER WELL
9	2	WORKTABLE - 24" LONG
10	1	WORKTABLE - 144" LONG
11	3	BLENDER
12	1	COFFEE BREWER (BY OTHERS)
13	1	PITCHER RINSE
14	1	DROP-IN SINK
15	1	SANDWICH/SALAD PREP REFRIGERATOR
16	1	HEAT LAMP
17	1	WORKTABLE
18	1	DONUT MACHINE
19	1	20 QT. MIXER
20	1	HAND SINK
21	2	DRIVE THRU BEVERAGE TABLE WITH TABLE MTD. SHELF
22	4	POS SYSTEM (BY OWNER)
23	1	STACKED WASHER/DRYER
24	1	WORKTABLE
25	2	DISHRACK SHELF
26	1	THREE-COMPARTMENT SINK (26.1 PRE-RINSE)
27	1	MOP BASIN (NIKEC)
28	-	SPARE NUMBER
29	2	CONE BAKER



FOODSERVICE EQUIPMENT PLAN

SCALE: 1/4" = 1'-0"

CONSULTANTS:

FOODSERVICE EQUIPMENT
UTILITY LOAD SCHEDULE

RAINBOW CONE
Flossmoor

PROJECT NO.: 28523

CONSTRUCTION SET

DATE: JULY 19, 2023

EL

FOOD LINES

FOOD SERVICE DESIGN
CONSULTANTS

110 S. 14TH STREET, SUITE 200
LINCOLN, NE 68508 TEL. 402.475.787

FS-1A

FOOD SERVICE EQUIPMENT			MECHANICAL SCHEDULE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
ITEM NO.	QUANTITY	ITEM DESCRIPTION	WATER CONNECTIONS					DRAINS		GAS			STEAM			SYMBOLS					ITEM NO.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			HOT WATER SIZE	COLD WAT. SIZE	STUB UP HEIGHT	EQUIP. HEIGHT	H.W. CONSUMPT.	IND. WASTE SIZE	DIR. WASTE SIZE	WASTE HEIGHT	GAS LINE SIZE	GAS HEIGHT AFF	MBTU LOAD	HEIGHT A.F.F.	WATER COLUMN	STEAM SUP. SIZE	COND. RET. SIZE	HEIGHT	BOILER H.P.	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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FOOD SERVICE EQUIPMENT			ELECTRICAL SCHEDULE																			
ITEM NO.	QUANTITY	ITEM DESCRIPTION	ELECTRICAL CONNECTIONS								SYMBOLS					ITEM NO.						
			VOLTAGE	PHASE	AMPERAGE	KILOWATTS	HORSEPOWER	TYPE OF CONN.	HEIGHT A.F.F.	EQUIP. HEIGHT	NEMA CONFIG	Ⓢ JUNCTION BOX (JB)	Ⓢ DUPLEX RECEPTACLE (DGR)	Ⓢ SINGLE RECEPTACLE (SGR)	Ⓢ DEDICATED DUPLEX RECEPTACLE (DDGR)		○ JB ON EQUIPMENT	[P] ANSUL FIRE PULL	FA WIRING FROM ABV.	AFF ABOVE FINISHED FLOOR		
																					REMARKS	
1	2	FREEZER COMPARTMENT	120	1	20			JB	108"	102"		WIRE TO LIGHTS, DOOR HEATER, ETC.										1
2A	1	FREEZER REFRIGERATION SYSTEM	208-230	1	20		2	JB	108"	102"		VERIFY LOCATION INSIDE FREZER										2A
2B	1	FREEZER REFRIGERATION SYSTEM	208-230	1	15		1.5	JB	108"	102"		VERIFY LOCATION INSIDE FREZER										2B
2.1	2	FREEZER CONDENSATION UNIT	208-230	1	12.3							CONDENSER LOCATED AND INSTALLED BY OTHERS										2.1
3	5	DISPLAY FREEZER	115	1	2			DGR	24"		5-15P									3		
4	1	REACH-IN FREEZER	115	1	5.3	14.7	2.5	DGR	24"		5-15P									4		
5	1	WORKTABLE - 80" LONG																		5		
6	1	REACH-IN REFRIGERATOR	115	1	3.1			DGR	24"		5-15P									6		
7	1	DISPLAY FREEZER	115	1	9.4			DGR	24"		5-15P									7		
8	4	DIPPER WELL																		8		
9	2	WORKTABLE - 24" LONG																		9		
10	1	WORKTABLE - 144" LONG																		10		
11	3	BLENDER	120	1	11.5			DGR	48"		5-15P	LOCATE OUTLET ABOVE TABLE BACKSPLASH								11		
12	1	COFFEE BREWER (BY OTHERS)	120	1	14			SGR	48"			VERIFY REQUIREMENTS								12		
13	1	PITCHER RINSER																		13		
14	1	DROP-IN SINK																		14		
15	1	SANDWICH/SALAD PREP REFRIGERATOR	115	1	2.3			DGR	24"		5-15P									15		
16	1	HEAT LAMP	120	1		.5		DGR	48"		5-15P									16		
17	1	WORKTABLE																		17		
18	1	DONUT MACHINE	220	1	30	5.76		DGR	48"		6-30P									18		
			115	1	2.5			DGR	48"		6-30P											
19	1	20 QT. MIXER	115	1	11		1/2	DGR	48"											19		
20	1	HAND SINK																		20		
21	1	DRIVE THRU BEVERAGE TABLE WITH TABLE MTD. SHELF																		21		
22	4	POS SYSTEM (BY OWNER)	120	1	15			DGR	NOTED			DEDICATED CIRCUIT/PROVIDE EMPTY JB FOR CONTROL WIRING								22		
23	1	STACKED WASHER/DRYER	120	1	20			DGR	24"		14-30P									23		
24	1	WORKTABLE																		24		
25	2	DISHRACK SHELF																		25		
26	1	THREE-COMPARTMENT SINK (26.1 PRE-RINSE)																		26		
27	1	MOP BASIN (NIKEC)																		27		
28	-	SPARE NUMBER																		28		
29	2	CONE BAKER	120	1	14.8	1.78		DGR	48"		5-15P	LOCATE OUTLET ABOVE TABLE BACKSPLASH								29		

CONSULTANTS:

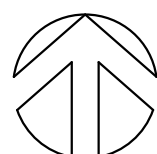
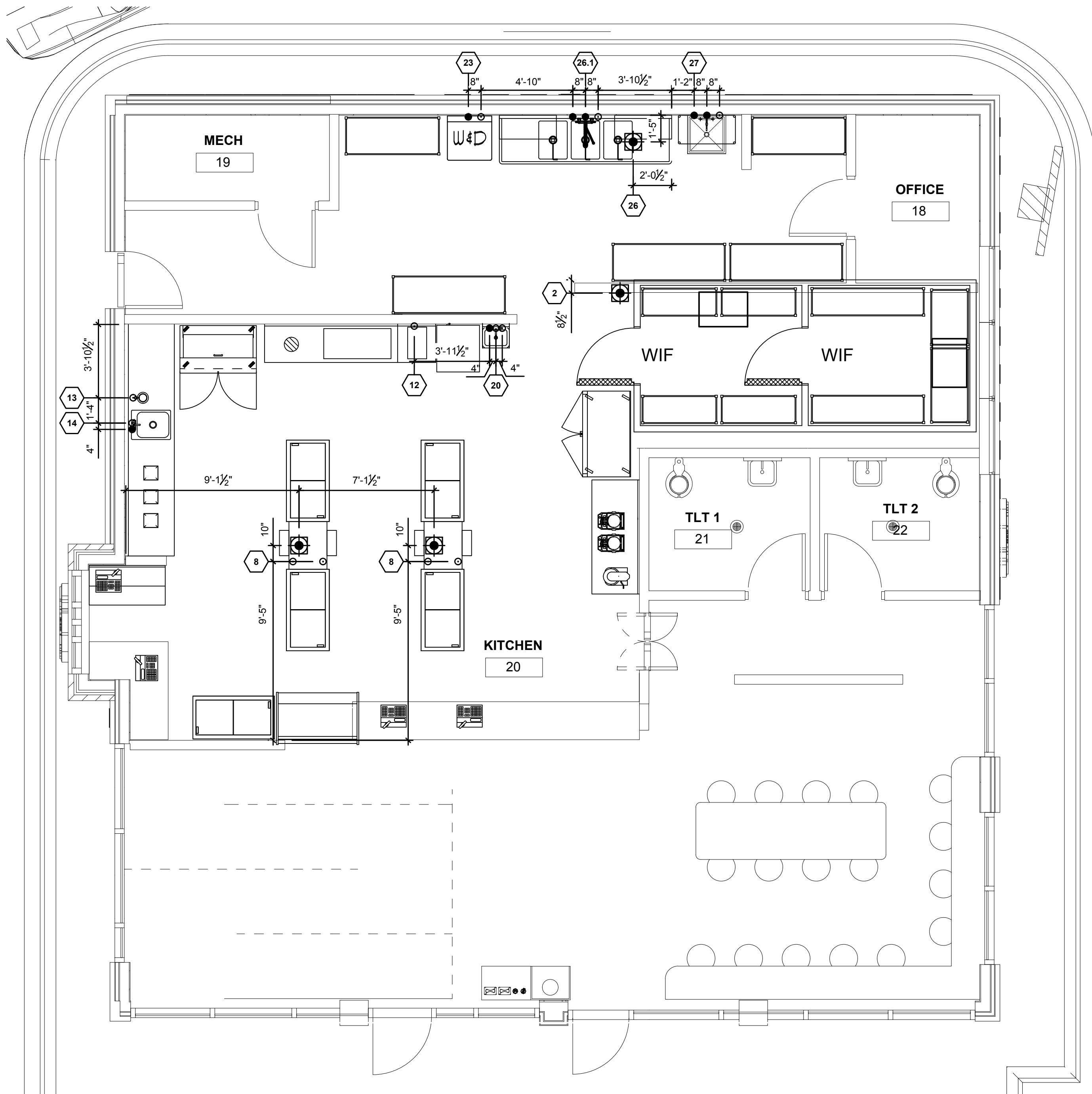
PLUMBING NOTES:**Utility Load Schedule sheets:**

Utility Load Schedule sheets are supplied as a convenience to project engineers in determining the requirements of various foodservice equipment. These are intended to be used in conjunction with equipment catalog cut sheets, shop drawings, etc. in the preparation of electrical and mechanical rough-indrawings.

- 1) Plumbing contractor to be responsible for the final connections and installation of all plumbing components such as but not limited to faucets, waste assemblies, etc.) provided by the foodservice equipment contractor.
- 2) Plumbing contractor shall provide and install all necessary automatic fire gas shut off valves as required and verify with kitchen equipment contractor if shut off valve being supplied is mechanical or solenoid according to fire suppression system requirements.
- 3) Plumbing contractor to verify with mechanical engineer and local codes all required components (such as grease traps, vacuum breakers, etc.) for the proper operation of foodservice equipment and type of drain connections required and install accordingly.
- 4) Plumbing contractor to supply and install all required pressure reducing and regulating valves required for the proper operation of foodservice equipment.
- 5) All floor sinks and/or floor drains shall be set flush with finished floors fully or partially exposed floor sinks to be complete with top grate, type as indicated and supplied by plumbing contractor
- 6) Plumbing contractor shall provide and run all indirect waste lines from equipment and fixtures and shall install and connect faucets unless noted otherwise
- 7) General water pressure in kitchen shall not exceed 50 lbs. Pressure for dishwashers to be 25 Lb. max. Plumbing contractor to furnish and install pressure reducing valves if required.
- 8) Plumbing contractor to verify height of dishwashers and/or potwashers waste connections, make proper provision for traps, and set in or under floor as necessary.
- 9) Verify mechanical requirements for all owner and/or purveyor supplied new and/or reused equipment.
- 10) Plumbing contractor shall run drain lines thru grease trap if required by code, I.E: Pot sinks, Dishwashers, etc.
- 11) Co-ordinate with equipment manufacturers floor drain locations located under cooking equipment so drain location will not interfere with functioning or warranty of equipment (I.E. convection steamers & Combis Ovens).

General Plumbing Notes:

- 1) All dimensions shown are from finished walls, columns and floors. Where base planes are shown they shall include finished surfaces.
- 2) All final and equipment interconnections are to comply with all, federal, state, and local codes.
- 3) Rough-in/Spot connection drawings are to be used in conjunction with equipment brochure books, shop drawings, etc. to determine all equipment requirements.
- 4) All dimensions of rough-in locations are to be verified and agree with latest Architectural plan.
- 5) All curbs (i.e., Masonry bases for Foodservice Equipment , Roof curbs for Dishwashers, Refrigeration Racks Etc.) as required are not provided by the Kitchen Equipment Contractor.
- 6) Various trades to furnish any additional hardware required for the proper operation of Foodservice Equipment such as all valves, stops, traps, disconnect switches and wiring to control equipment such as soda and remote compressors, Fire systems, and disposers as required.
- 7) Architect, Engineer, & Building trades to verify building code in regard to acceptable Drain and Pipe material. Foodservice drains need to accommodate temperatures above 200 degrees Fahrenheit. Drainage system needs to be designed accordingly.
- 8) Trades to verify with owner/operator requirements for cash system and to supply all necessary components for its proper operation.
- 9) Trades to verify requirements with equipment manufacturer for items supplied by purveyor such as coffee makers, beverage dispensers, tea brewers, etc.
- 10) General contractor to provide and install all necessary conduit for the routing of soda, beer, and refrigeration lines and verify routing with purveyor and owner.
- 11) All outlets and connections shown on this plan are relative to foodservice equipment and fixtures. See architect/Engineer plans for additional requirements.
- 12) All connections shown on this plan shall be made as per federal, state, and local codes
- 13) All Floor sinks and Floor drains shown on the foodservice equipment drawing are for food service equipment only. Area drains are the responsibility of the Mech. engineers.



FOODSERVICE EQUIPMENT PLUMBING ROUGH-IN PLAN

SCALE: 1/4" = 1'-0"



**FOOD SERVICE DESIGN
CONSULTANTS**

110 S. 4TH STREET, SUITE 200
LINCOLN, NE 68508 TEL 402.475.787

FS-2

CONSULTANTS:

FOODSERVICE EQUIPMENT
ELECTRICAL ROUGH-IN PLAN

RAINBOW CONE
Flossmoor

PROJECT NO.: 28523

CONSTRUCTION SET

DATE: JULY 19, 2023



FOOD SERVICE DESIGN
CONSULTANTS

110 S. 14TH STREET, SUITE 200
LINCOLN, NE 68508 TEL: 402.475.787

FS-3

ELECTRICAL NOTES:

Utility Load Schedule sheets:

Utility Load Schedule sheets are supplied as a convenience to project engineers in determining the requirements of various foodservice equipment. These are intended to be used in conjunction with equipment catalog cut sheets, shop drawings, etc. in the preparation of electrical and mechanical rough-in drawings.

General Electrical and Mechanical Notes:

- 1) All dimensions shown are from finished walls, columns and floors. Where base sizes are shown they shall include finished surfaces.
- 2) All final and equipment interconnections are to comply with all, federal, state, and local codes.
- 3) Rough-in/Spot connection drawings are to be used in conjunction with equipment brochure books, shop drawings, etc. to determine all equipment requirements.
- 4) All dimensions of rough-in locations are to be verified and agree with latest Architectural plan.
- 5) All curbs (I.E. Masonry bases for Foodservice Equipment , Roof curbs for Fans and Refrigeration Racks Etc.) as required are not provided by the Kitchen Equipment Contractor.
- 6) Various trades to furnish any additional hardware required for the proper operation of Foodservice Equipment such as all valves, stops, traps, disconnect switches and wiring to control equipment such as soda and remote compressors, Fire systems, and disposers as required.
- 7) Architect, Engineer, & Building trades to verify building code in regard to acceptable Drain and Pipe material. Foodservice drains need to accommodate temperatures above 200 degrees Fahrenheit. Drainage system needs to be designed accordingly.
- 8) Trades to verify with owner/operator requirements for cash system and to supply all necessary components for its proper operation.
- 9) Trades to verify requirements with equipment manufacturer for items supplied by purveyor such as coffee makers, beverage dispensers, tea brewers, etc.
- 10) General contractor to provide and install all necessary conduit for the routing of soda, beer, and refrigeration lines and verify routing with purveyor and owner.
- 11) All outlets and connections shown on this plan are relative to foodservice equipment and fixtures. See architect/Engineer plans for additional requirements.
- 12) All connects shown on this plan shall be made as per federal, state, and local codes

Electrical Notes:

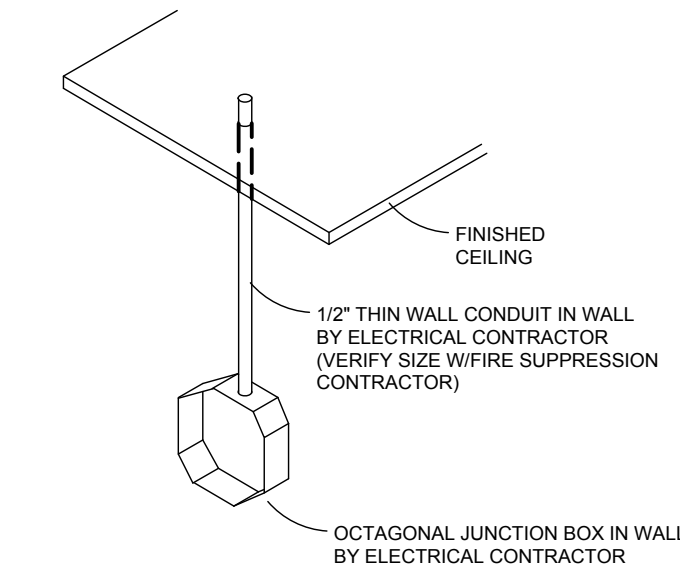
- 1) All interwiring between roughed in electrical junction boxes and foodservice equipment are to be done by electrical contractor. This interwiring includes, but is not restricted to Walk-in refrigeration boxes, disposers, hot food wells, exhaust hoods, etc.
- 2) All connections shown on drawings are the approximate connection locations required for the foodservice equipment being furnished by the Kitchen Equipment Contractor and allowances must be made to extend to the final connection point.
- 3) Any changes to the locations shown on drawings are to be verified with the Architect, Consultant and Foodservice Contractor.
- 4) Trades are to make final connections between electrical service rough-in points and equipment to be compliant with local codes.
- 5) Dimensioned Rough-in drawings are to be used in conjunction with equipment manufacturers shop drawings, detailed drawings, specifications, and equipment brochure book in determining proper service to foodservice equipment.
- 6) Electrical Contractor shall furnish connections to equipment setting on counters that do not come with cord & plugs from outlet box or receptacle.
- 7) Electrical outlets and piping roughed up under island equipment to be stubbed up a maximum of 4" max to top of device or less so as not to interfere with the installed equipment with all floor openings sealed water tight or 1" Min above fin floor or flush with curbs.
- 8) Electrical contractor shall supply and install all junction boxes, refrigeration pull boxes, electrical outlets, cover plates, switches and disconnect switches not built into foodservice equipment or fixtures, also, conduit, wiring and component installation of remote refrigeration and cold storage room equipment, including lighting fixtures as shown on plan.
- 9) Electrical contractor shall provide lock-out devices on circuit breakers controlling exhaust, refrigeration and fire protection system controls.
- 10) Electrical contractor shall furnish and install all starters, motor control switches, remote controls and t4ransformers, if required, for foodservice equipment and fixtures.
- 11) Electrical contractor shall supply all required cords and caps for those items supplied by KEC that do not come provided with cord and cap. Electrical contractor shall provide U.L. approved connectors for manufactured appliances and/or fabricated equipment.

Walk-in Refrigerated boxes and Remote Refrigeration equipment:

- 1) Additional Walk-in lights are supplied by the Kitchen Equipment contractor and are to be wired in field by Electrical Contractor.
- 2) All interwiring between remote remote refrigerated condensers/compressors to be done by Electrical contractor.
- 3) Electrical Contractor to interwire between drain line heat tape and junction box in all walk-in freezers.
- 4) Electrical Contractor to interwire between junction box and Walk-in cooler controls, door heater, and all additional Walk-in accessories including defrost time clock on freezers.
- 5) Ice Makers - Electrical Contractor to make all necessary interwiring connections between ice machine and remote refrigeration condenser/compressors.

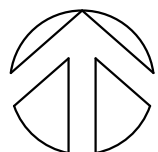
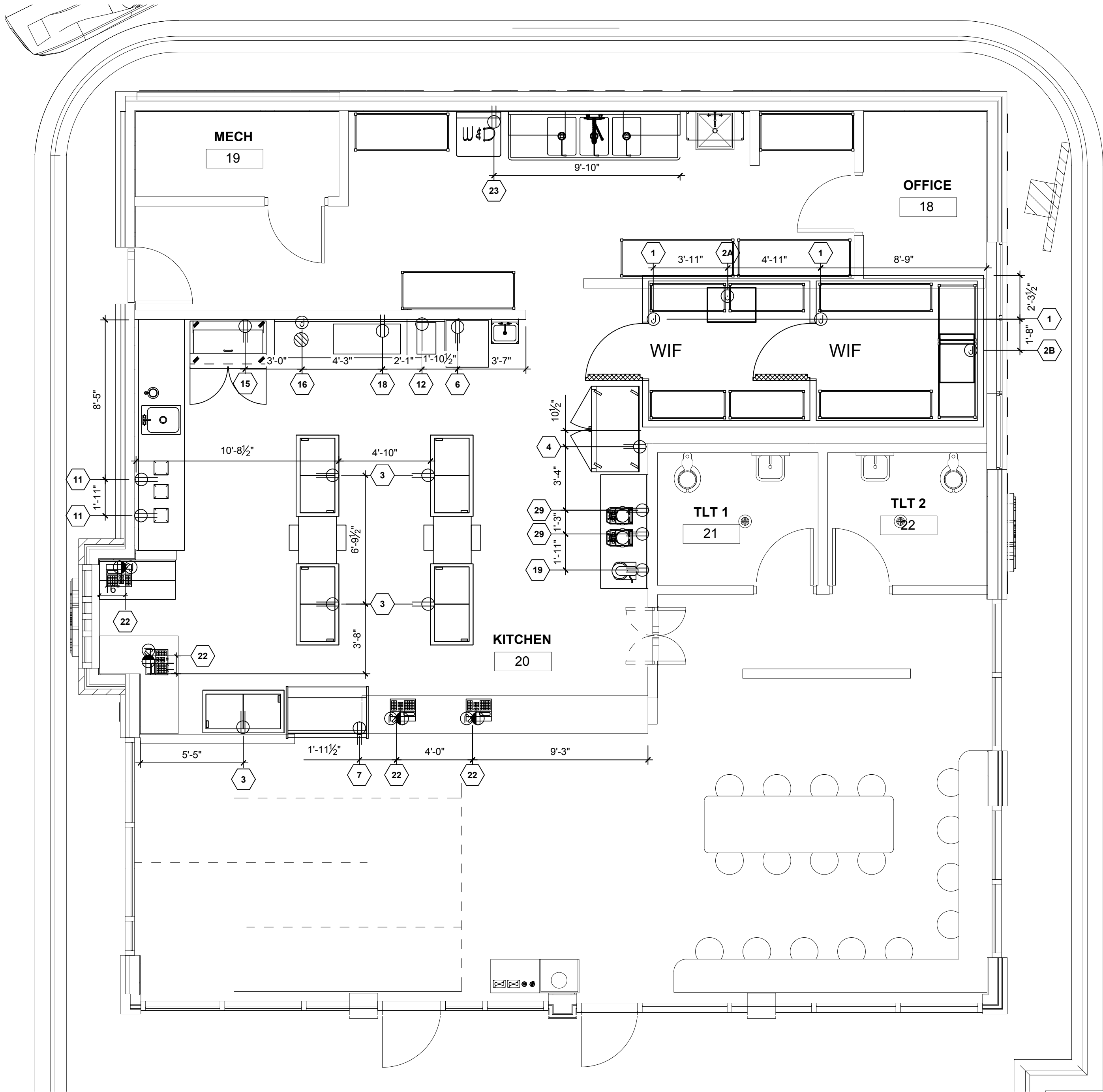
Exhaust Hoods:

- 1) Electrical contractor to provide octagonal "J" boxes with 3/4" conduit to above finished ceiling for fire suppression system remote pulls. These locations and requirements are to be verified with fire suppression system contractor and local and state codes.
- 2) Electrical contractor to co-ordinate with fire suppression system contractor and supply and install shunt trips in electrical panels that would shut off cooking equipment items in conjunction with fire systems and interwire with fire systems and fire alarms and equipment valves.
- 3) Electrical contractor to interwire with any alarm devices that might be required by federal, state or local codes.



SUGGESTED FIRE SUPPRESSION
REMOTE PULL HOUSING

HEIGHT AND LOCATIONS TO BE DETERMINED
BY LOCAL CODES AND FIRE SUPPRESSION
SYSTEM CONTRACTOR. (VERIFY REQUIREMENTS
WITH FIRE SUPPRESSION SYSTEM CONTRACTOR)



FOODSERVICE EQUIPMENT ELECTRICAL ROUGH-IN PLAN

SCALE: 1/4" = 1'-0"

CONSULTANTS:

SPECIAL CONDITIONS PLAN

RAINBOW CONE
Flossmoor

PROJECT NO.: 28523

CONSTRUCTION SET

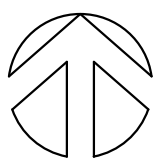
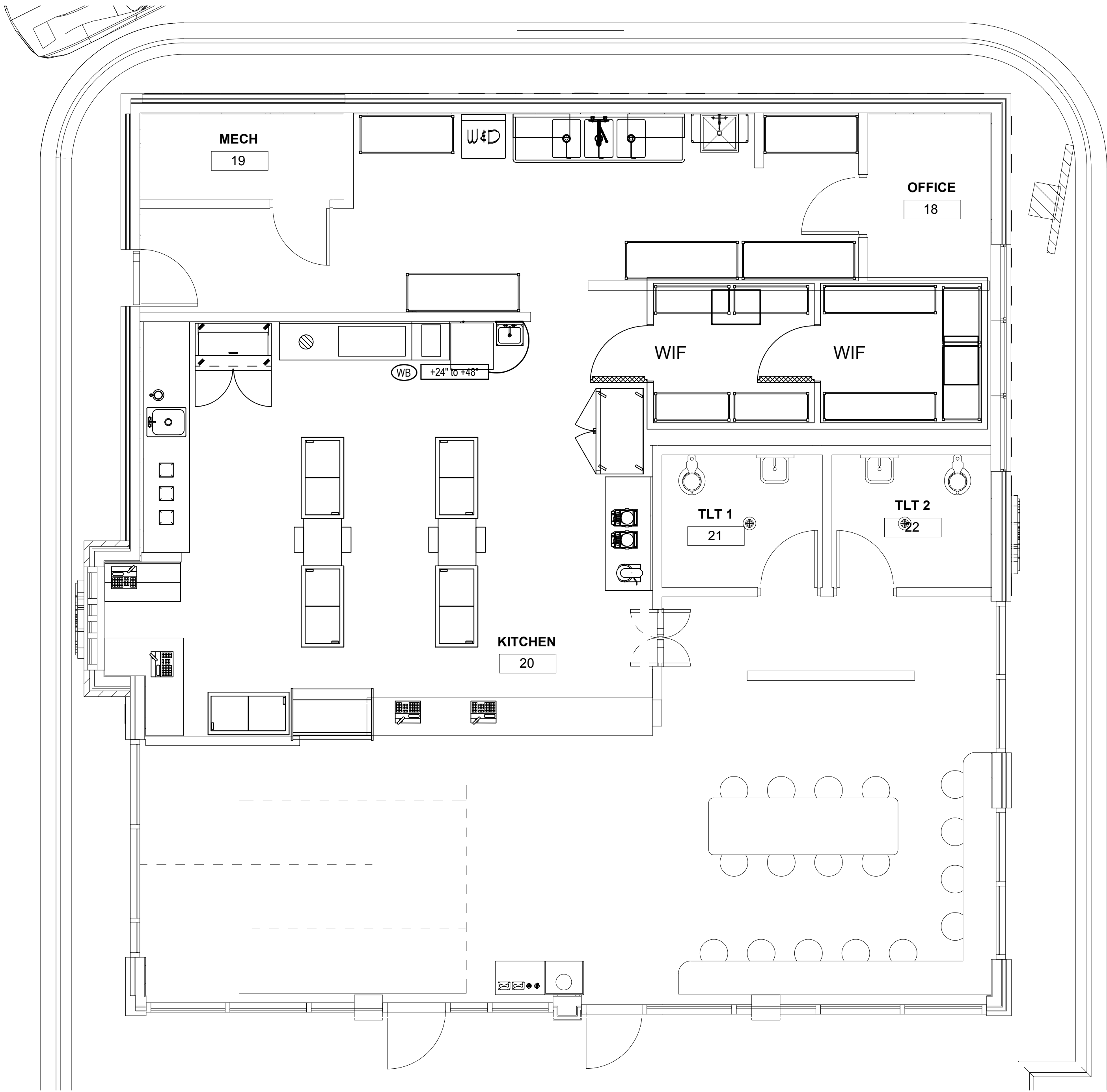
DATE: JULY 19, 2023



FOOD SERVICE DESIGN
CONSULTANTS

110 S. 14TH STREET, SUITE 200
LINCOLN, NE 68508 TEL. 402.475.787

FS-4



SPECIAL CONDITIONS PLAN

SCALE: 1/4" = 1'-0"

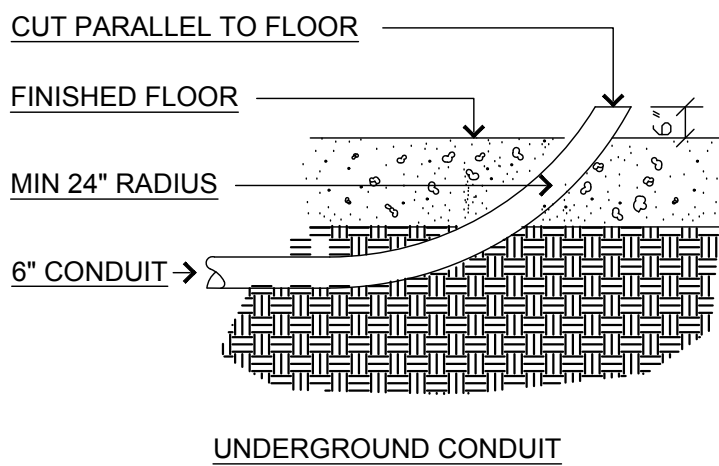
GENERAL CONTRACTORS NOTES:

General Contractors Notes:

- 1) All walls in contact with or within 6" of fryers, ranges, broilers or Ovens, shall be constructed of Non-Combustible, heat proof materials.
- 2) Unless specified otherwise General contractor shall furnish and install all stainless steel wall caps and/or corner guards in positions as shown on plan. Wall caps and/or corner guards shall be minimum 12 ga. stainless steel, vertical type, 4'-0" high
- 3) Refrigeration and Ventilation information are intended to show approximate outlet locations, connections positions and load requirements. Final locations will be shown on approved, dimensioned manufacturer's shop drawings.
- 4) All refrigerant conduit runs shall have a minimum of 24" radius bends and shall terminate 2" out of walls and/or floors
- 5) All exhaust duct connections are shown with inside dimensions. Connecting ductwork shall sleeve into duct openings and be made "grease proof".
- 6) All ductwork beyond the connection points shown on this plan, and all required roof-top equipment including curbs, exhaust & supply fans, etc, shall be furnished and installed by the HVAC contractor unless noted otherwise.

WALL BACKING: (WB)

General Contractor to provide In-Wall reinforcing or plywood backing as required for wall mounted equipment. Coordinate with Foodservice Equipment contractor.



CONDUIT RUNS UNDERFLOOR MUST HAVE A SMOOTH INTERIOR WITH MINIMUM INSIDE DIAMETER OF SIX INCHES, AND HAVE ONLY (1) 24" or 30" RADIUS SWEEP BEND (45° OR 90°) AT EACH END.

PROJECT TITLE & ADDRESS:
Rainbow Flossmoor ROUGH BUDGET
 BUILDING ONLY



Project Square Footage: 2100

Date: 8-31-23

CSI DIVISION	TRADE/SCOPE	SHELL COST BUDGET	\$/SF	NOTES/COMMENTS
DIVISION 0	Architectural Design	\$0	\$0.00	By Owner
	Building Permit & Fees	\$0	\$0.00	By Owner
DIVISION 1	Soil Tests	\$0	\$0.00	By Owner
	Site Surveying Allowance	\$5,000	\$0.00	By Owner
	Site Fencing	\$5,000	\$2.38	General Conditions
	Final Clean	\$1,000	\$0.00	General Conditions
	Street Sweeping Allowance	\$6,500	\$0.00	Allowance to be credited back to owner
DIVISION 2	Excavation	\$32,000	\$15.24	Building Excavation and Backfill CA-6 For Footing and Foundation
	Excavation	\$19,120	\$9.10	Slab
DIVISION 3	Masonry	\$16,960	\$8.08	Building Exterior or Interior Brick.
	EIFS	\$41,298	\$19.67	Exterior EIFS
DIVISION 4	Concrete Slab	\$18,519	\$8.82	5" concrete slab with metal mesh and vapor barrier.
	Concrete Footing/Foundation	\$33,276	\$15.85	Footing and Foundations per plan.
DIVISION 5	Steel & Misc Metals	\$95,563	\$45.51	Structural beams, columns, railings, gates, metal deck, metal joist and C channels
DIVISION 6	Carpentry	\$176,963	\$84.27	All Carpentry & Drywall
	Millwork & Counter tops	\$12,500	\$5.95	Custom Millwork and Counter tops.
DIVISION 7	Joint Sealants	\$3,500	\$1.67	Seal Inside and Outside Building.
	Roofing & Sheet Metal	\$52,998	\$25.24	Membrane roofing Mule-hid 60 mil. Coping, Decorative Fascia Cladding, and Corrugated Metal Wall Panels
DIVISION 8	Glazing	\$5,000	\$2.38	All store front glazing
	Doors/Frames/Hardware	\$19,480	\$9.28	All store doors/frames/hardware
DIVISION 9	Painting	\$22,521	\$10.72	Painting of entire building interior, doors, and metal
	Tile/Resilient Flooring/Rubber Base	\$67,218	\$26.36	Quarry, Epoxy Ceramic Tile, VLT Flooring, and Vinyl Base
DIVISION 10	Toilet Partitions/Accessories	\$4,450	\$2.12	Grab Bars, Mirrors, Mounted Accessories, Toilet Partitions, and Hand Dryers

DIVISION 15	HVAC	\$90,813	\$43.24	Rooftop units and distribution.
	Plumbing	\$57,738	\$27.49	Furnish and Install Plumbing per plan.
	Fire Protection	\$8,400	\$4.00	Furnish and Install Fire Protection for Entirety of Building and Calc's.
DIVISION 16	Electrical	\$120,350	\$57.31	Furnsiah and Install Electrical Per Plan.
	Fire Alarm	\$6,300	\$3.00	Furnish and Install Fire Alarm System Per Design and Calcs Included.
SUBTOTAL	Preliminary Budget Subtotal #1	\$922,466	\$439.27	
GENERAL CONDITIONS	General Conditions + Insurance +Fee (12%)	\$110,696	\$52.71	Supervision, Project Management, Dumpsters, Safety, Temp. Toilets, Blueprints, Communications, Etc.
TOTAL	CONSTRUCTION BUDGET TOTAL (Building	\$1,033,162	\$492.0	
SITE	Sitework - See Separate Budget	\$224,955	\$107.12	Estimated Site Costs
TOTAL	TOTAL BUDGET	\$1,258,117	\$599.1	Estimated Construction Total

RESOLUTION # _____

A RESOLUTION OF THE VILLAGE OF FLOSSMOOR, RICH AND BLOOM TOWNSHIPS, COOK COUNTY, ILLINOIS, IN SUPPORT OF CLASS 8 (19805 Crawford Avenue)

WHEREAS, the Village of Flossmoor, Cook County, Illinois (the “*Village*”) is a duly organized and validly existing non-home rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of this State; and,

WHEREAS, Southwest Flossmoor is a primary commercial development area within the Village; and,

WHEREAS, certain properties in Southwest Flossmoor have remained vacant for years and are in need of development or redevelopment; and,

WHEREAS, Flossmoor Crawford Partners owns the property commonly known as 19805 Crawford Avenue and is prepared to undertake a development project to construct a new retail facility (the “*Development*”) which will make a significant contribution to the development goals of the Village with the construction of this Development; and,

WHEREAS, the Mayor and Board of Trustees do find that but for the Class 8 incentive, this Development is not economically viable and that major capital is needed to construct the facility at this location; and, the past economies of the property have failed to attract businesses at this location, all of which warrant the benefits the benefits of Class 8 tax relief; and,

WHEREAS, the Village of Flossmoor supports the Class 8 Eligibility Application to be filed with the Cook County Assessor for the Development at 19805 Crawford Avenue and requests Class 8 tax relief; and,

WHEREAS, “but for” the Class 8 tax relief, this project would not proceed.

NOW, THEREFORE, BE IT RESOLVED, by the Mayor and Board of Trustees of the Village of Flossmoor, Cook County, Illinois, as follows:

Section 1. The preambles above are incorporated herein; and further,

Section 2. The Village of Flossmoor supports and consents to the Application for Class 8 for the property located at 19805 Crawford Avenue, Flossmoor, Illinois, identified as parcel number 31-11-302-044 to be filed with the Cook County Assessor’s Office.

Section 3. That this Resolution shall be in full force and effect from and after its passage and approval according to law.

PASSED THIS _____ day of November, 2023.

AYES: _____

NOES: _____

ABSENT: _____

ABSTAINED: _____

PASSED: _____

APPROVED: _____

PUBLISHED: _____

APPROVED:

Mayor

ATTEST:

Village Clerk

TO: Bridget Wachtel, Village Manager
FROM: Scott Bordui, Finance Director
DATE: November 6, 2023
SUBJECT: Budget Amendment Resolution



FLOSSMOOR

During the second quarter of the 23-24 fiscal year the Board approved the following motion(s) to amend the Village's 23-24 fiscal year budget. Additionally, attached are two items that have not been previously approved as budget amendments. Attached is a memorandum from Police Chief Jerel Jones regarding body worn camera cloud storage and software maintenance. Also attached is a memorandum I prepared regarding corrections needed to the Planning & Zoning and Building Department budgets.

Attached is the resolution which the Board is required to adopt so that the budget amendments may be filed with the Cook County Clerk.

Approval

<u>Date</u>	<u>Amount</u>	<u>Account No.</u>	<u>Description</u>
8- 7-23	\$ 200,000	01-55-7-781	Flossmoor Rd viaduct design engineering
8- 7-23	\$ (200,000)	01-55-7-782	" " " " " "
8- 7-23	\$ 47,148	03-01-7-701	" " " " " "
9-18-23	\$ 127,253	01-55-7-771	Water meter installation
10- 2-23	\$ 23,250	08-11-7-749	Water meter installation assistance-B&W
10- 2-23	\$ 7,750	08-21-7-749	" " " " " "
11- 6-23*	\$ 21,835	01-48-6-678	Body worn camera cloud storage & software
11- 6-23*	\$ 118	01-45-2-591	Budget correction-planning & zoning
11- 6-23*	\$ 76	01-45-2-592	" " " " "
11- 6-23*	\$ 30	01-45-2-593	" " " " "
11- 6-23*	\$ 140	01-45-2-595	" " " " "
11- 6-23*	\$ 90	01-45-2-596	" " " " "
11- 6-23*	\$ (1,860)	01-45-2-597	" " " " "
11- 6-23*	\$ 180	01-45-4-640	" " " " "
11- 6-23*	\$ 180	01-45-4-641	" " " " "
11- 6-23*	\$ 40	01-53-2-591	Budget correction-building department
11- 6-23*	\$ 76	01-53-2-592	" " " " "
11- 6-23*	\$ 172	01-53-2-593	" " " " "
11- 6-23*	\$ (2,650)	01-53-2-595	" " " " "
11- 6-23*	\$ 270	01-53-2-596	" " " " "
11- 6-23*	\$ 380	01-53-2-597	" " " " "
11- 6-23*	\$ 180	01-53-4-640	" " " " "
11- 6-23*	\$ 30,560	01-53-4-641	" " " " "

*Proposal to Board 11-6-23

I request that approval of this resolution be placed on the November 6, 2023 Board Meeting Agenda.

FLOSSMOOR POLICE DEPARTMENT MEMORANDUM

To: Scott Bordui
From: Chief Jerel Jones
Date: 08/09/2023
Subject: Budget Amendment Request

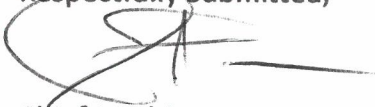
Greetings Scott,

On Tuesday, August 8, 2023, the Flossmoor Police Department was notified regarding two outstanding bills from BRITE- Upstate Wholesale Supply, Inc. This is the company that supplies our Body Worn Camera software, which includes unlimited Cloud storage and maintenance for our body cameras and in-car equipment. The first invoice (#INV27179) totals \$4,020.00 and is dated, 10/25/2022. The second invoice (#INV29637) totals \$13,735.00 and is dated, May 31, 2023 (Please refer to attached invoices for additional information). It should be noted that each invoice includes past due balances which date back to the enactment of the Body Camera program in 2021. We determined yesterday (08/08/2023) that payment was never remitted, resulting in these balances. The BRITE representative continuously emailed the previous chief, deputy chief, and former assistant village manager; not knowing that these individuals were no longer employed by the Village of Flossmoor.

Administrative Assistant, Kim Wegmann spoke with the company representative on yesterday's date (08/08/2023) and provided the representative with updated contact information for our administration. It should be noted that the fund (Cloud Video Storage- 01-48-6-678) used to pay these expenses was originally budgeted for \$12,000.00 for 2023-24. This budgeted amount did not factor the past due balance of \$17,755.00. Furthermore, the current budget does not reflect an increase in software usage and cost. Additionally, BRITE is scheduled to bill the police department \$16,080.00 in January 2024, which is the updated annual renewal fee. This annual fee is a locked rate and will not increase in the future.

I am respectfully requesting that we add an additional \$21,835.00 to the budget, which the line item will total \$33,835.00. The amended-budgeted amount will pay the past due expense of \$17,755.00, in addition to the 2024 expense of \$16,080.00 due in January 2024.

Respectfully Submitted,



Chief Jerel Jones

*approved
JAW 8-10-23*

Attachment: Agenda 2023-11-6 BA (Budget Amendment Resolution)

Brite

Upstate Wholesale Supply Inc.
7647 Main Street Fishers
Victor NY 14564
Telephone: (585) 869-6000
FAX: (585) 758-0222
Toll Free: (800)-333-0498
salesinfo@brite.com

Invoice

Invoice No. #INV29637
Invoice Date 5/31/2023

Bill To

Flossmoor Police Department - IL
Clint Wagner
2800 Flossmoor Road
Flossmoor IL 60422

Ship To

Flossmoor Police Department - IL
Clint Wagner
2800 Flossmoor Road
Flossmoor IL 60422

Subtotal: \$13,735.00

Total Tax: \$0.00

Total Due: \$13,735.00

Amount Due: \$13,735.00

Due Date: 6/30/2023

Pay Here

PO #

signed quote

Terms

NET 30

Contract Number

Thank you for choosing Brite!

Sales Rep

Steve Hecht

FOB

Qty Ord	Item	Unit Price	Extended
180	GET-OUA04X	\$67.00	\$12,060.00
	Getac Cloud - Monthly Plan 4 (Cloud Unlimited, SW maintenance)		
25	GET-OUA04X	\$67.00	\$1,675.00
	Getac Cloud - Monthly Plan 4 (Cloud Unlimited, SW maintenance)		

Attachment: Agenda 2023-11-6 BA (Budget Amendment Resolution)

Terms and Conditions

Returns: Merchandise to be returned must have a Return Authorization Number (RMA). Returns may be subject to a 15% restocking fee.
Claims: Claims for loss or damage during shipment must be made to the carrier by the customer. All other claims must be made to Brite within 48 hours of receipt of goods.
Finance Charge: A finance charge of 1.5% per month will be imposed on all past due amounts.
REMIT TO: 7647 Main Street Fishers Victor, NY 14564

Brite

Upstate Wholesale Supply Inc.
7647 Main Street Fishers
Victor NY 14564
Telephone: (585) 869-6000
FAX: (585) 758-0222
Toll Free: (800)-333-0498
salesinfo@brite.com

Invoice

Invoice No. #INV27179
Invoice Date 10/25/2022

Bill To

Flossmoor Police Department - IL
2800 Flossmoor Road
Flossmoor IL 60422

Ship To

Flossmoor Police Department - IL
2800 Flossmoor Road
Flossmoor IL 60422

Subtotal: \$4,020.00

Total Tax: \$0.00

Total Due: \$4,020.00

Amount Due: \$4,020.00

Due Date: 11/24/2022

Pay Here

PO #

Signed Quote

Terms

NET 30

Contract Number

* No Contract *

Sales Rep

Steve Hecht

FOB
Qty Ord
Item
Unit Price
Extended

60

GET-OUA04X

\$67.00

\$4,020.00

Getac Cloud - Monthly Plan 4 (Cloud Unlimited, SW maintenance)

Terms and Conditions

Returns: Merchandise to be returned must have a Return Authorization Number (RMA). Returns may be subject to a 15% restocking fee.
Claims: Claims for loss or damage during shipment must be made to the carrier by the customer. All other claims must be made to Brite within 48 hours of receipt of goods.
Finance Charge: A finance charge of 1.5% per month will be imposed on all past due amounts.
REMIT TO: 7647 Main Street Fishers Victor, NY 14564

MEMORANDUM

TO: BRIDGET A. WACHTEL, VILLAGE MANAGER
FROM: SCOTT R. BORDUI, FINANCE DIRECTOR 
DATE: OCTOBER 25, 2023
SUBJECT: BUDGET AMENDMENT-P&Z and BUILDING DEPTS.



FLOSSMOC

While working on the transition in our financial software system from FY 23 to FY 24, it came to my attention that there is a discrepancy in our FY 24 budget between the schedules in the appendix and certain line items in the budget. The shared fringe benefit and IRMA premium line items in the Planning & Zoning and Building Department budgets do not agree to the numbers in the appendix schedules. At one time in our process these numbers were correct so I suspect there was a version override of these line items at some point in the process before the budget was finalized and/or printed. The numbers in the appendix are correct.

As a result, the Planning & Zoning budget is overstated by \$1,046 while the Building Department budget is understated by \$29,028. A budget amendment is needed to correct the line items in those budgets. Attached is a spreadsheet which details the amendment amounts associated with each line item. There is sufficient fund balance in the General Fund to cover the budget amendment.

I will include this memo with the budget amendment resolution for 2nd quarter of FY 24 which will be presented on the November 6, 2023 Board Meeting agenda.

*Approved
BAW 10-18-23*

Attachment: Agenda 2023-11-6 BA (Budget Amendment Resolution)

P&Z and BUILDING DEPT BUDGET AMENDMENT FY23:
NOVEMBER 6, 2023

Account	Acct. No.	<u>Planning & Zoning - Dept. 45</u>			<u>Building - Dept. 53</u>		
		<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>
		<u>Schedule</u>	<u>Line Item</u>	<u>Amendment</u>	<u>Schedule</u>	<u>Line Item</u>	<u>Amendment</u>
Health Insurance	01-xx-2-590	-	-	-	-	-	-
Life Insurance	01-xx-2-591	118	-	118	118	78	40
EAP & Wellness	01-xx-2-592	576	500	76	576	500	76
Unemployment	01-xx-2-593	314	284	30	314	142	172
Vill HSA Contrib	01-xx-2-594	-	-	-	-	-	-
Vill FICA Contrib	01-xx-2-595	6,000	5,860	140	12,000	14,650	(2,650)
Vill Med Contrib	01-xx-2-596	1,090	1,000	90	3,270	3,000	270
Vill IMRF Contrib	01-xx-2-597	6,720	8,580	(1,860)	8,960	8,580	380
Work Comp	01-xx-4-640	2,280	2,100	180	2,280	2,100	180
Liab Insurance	01-xx-4-641	2,280	2,100	180	33,060	2,500	30,560
Total		19,378	20,424	(1,046)	60,578	31,550	29,028

AllocBud

Attachment: Agenda 2023-11-6 BA (Budget Amendment Resolution)

RESOLUTION # _____
RESOLUTION AMENDING THE BUDGET FOR FISCAL YEAR 23-24 FOR THE VILLAGE OF FLOSSMOOR

WHEREAS, the Village of Flossmoor, County of Cook, State of Illinois has heretofore adopted a budget for the fiscal year ending April 30, 2024 passed by the Mayor and Board of Trustees of said Village of Flossmoor on April 17, 2023, a certified copy of said Budget and a Certificate of Estimate of Revenues having been filed in the Office of the County Clerk on May 31, 2023; and

WHEREAS, circumstances have arisen during the fiscal year by which said Village wishes to amend said budget filed with the County Clerk according to the general ledger numbers and amounts listed in attachment A; and

WHEREAS, said Village has additional revenue and/or designated fund balances that will be and is hereby allocated for said budget amendments as listed in attachment A;

NOW, THEREFORE, BE IT RESOLVED, that said budget filed with the County Clerk be amended according to changes listed in attachment A.

BE IT FURTHER RESOLVED, that the Village Clerk is hereby directed to cause to be filed with the County Clerk of Cook County, Illinois, a certified copy of this Resolution.

Passed this 6th day of November, 2023.

AYES: _____

NOES: _____

ABSENT: _____

ABSTAINED: _____

PASSED: _____

APPROVED: _____

PUBLISHED: _____

APPROVED:

Mayor

ATTEST:

Village Clerk

ATTACHMENT A - PAGE ONE OF ONE

BUDGET AMENDMENT

FY 2023-24 BUDGET

<u>Fund</u>	<u>Account Title</u>	<u>Account Number</u>	<u>Amount</u>
General	Flossmoor Rd Viaduct Improvements-Engineering	01-55-7-781	\$200,000
General	Flossmoor Rd Viaduct Improvements-Construction	01-55-7-782	(\$200,000)
Rebuild Illinois Bond	Flossmoor Road Viaduct Engineering	03-01-7-701	\$47,148
General	Water Meter Replacement Program	01-55-7-771	\$127,253
Water & Sewer	Water Meter Replacement Program	08-11-7-749	\$23,250
Water & Sewer	Water Meter Replacement Program	08-21-7-749	\$7,750
General	Cloud Video Storage	01-48-6-678	\$21,835
General	Life Insurance Premium	01-45-2-591	\$118
General	EAP and Wellness Incentive Programs	01-45-2-592	\$76
General	Unemployment Contributions	01-45-2-593	\$30
General	Village FICA Contributions	01-45-2-595	\$140
General	Village Medicare Contributions	01-45-2-596	\$90
General	Village IMRF Contributions	01-45-2-597	(\$1,860)
General	IRMA-Workers Comp Premium	01-45-4-640	\$180
General	IRMA-Liability Premium	01-45-4-641	\$180
General	Life Insurance Premium	01-53-2-591	\$40
General	EAP and Wellness Incentive Programs	01-53-2-592	\$76
General	Unemployment Contributions	01-53-2-593	\$172
General	Village FICA Contributions	01-53-2-595	(\$2,650)
General	Village Medicare Contributions	01-53-2-596	\$270
General	Village IMRF Contributions	01-53-2-597	\$380
General	IRMA-Workers Comp Premium	01-53-4-640	\$180
General	IRMA-Liability Premium	01-53-4-641	\$30,560

Attachment: Budamend (Budget Amendment Resolution)

TO: Bridget Wachtel, Village Manager
CC: Scott Bordui
FROM: John Brunke, Public Works Director
DATE: November 6, 2023
SUBJECT: Consideration of a Contract and Budget Amendment
to Purchase De-icing Rock Salt from Cargill, Inc.



FLOSSMOOR

Included in the FY24 approved budget is \$43,050 for the purchase of roadway de-icing rock salt. This budget amount was calculated using last year's contract unit price of \$71.75 per ton for our 120% FY23 allotment amount of 600 tons. We experienced a warmer 2022/2023 winter season and were able to save a large portion of last year's salt allotment. Public Works currently has approximately 350 tons of salt on site remaining from last winter.

Staff worked with the State of Illinois' Central Management Services (CMS) Department to participate in this year's State-wide contract bid procurement for rock salt. This process resulted in our bid line coming in at \$73.78/ton from Cargill, Inc. This year, 529 public agencies participated in the joint bid. The State's CMS program for rock salt procurement still remains to be the best avenue for the Village to secure a salt purchase contract. Below is a summary of our salt prices for the last several years through the CMS program.

Flossmoor historical salt prices

FY23 - \$71.75/ton, 600 tons, CMS contract bid (Cargill, Inc.)
FY22 - \$60.18/ton, 500 tons, CMS contract bid (Compass Minerals America, Inc.)
FY21 - \$83.99/ton, 400 tons, CMS contract renewal (Cargill, Inc.)
FY20 - \$83.99/ton, 500 tons, CMS contract bid (Cargill, Inc.)
FY19 - \$43.92/ton, 400 tons, CMS contract renewal (Morton Salt, Inc.)
FY18 - \$43.92/ton, 400 ton, CMS contract bid (Morton Salt, Inc.)
FY17 - \$63.37/ton, 400 ton, CMS contract renewal (Cargill, Inc.)
FY16 - \$63.37/ton, 650 tons, CMS contract bid (Cargill, Inc.)
FY15 - \$134.21/ton, 650 ton, CMS contract bid (Morton Salt, Inc.)
FY14 - \$49.07/ton, 550 ton, CMS contract renewal (Morton Salt, Inc.), *heavy winter and had to procure extra salt from another vendor for \$189/ton.*

Our contract stipulates that the Village must purchase a minimum of 80% (480 tons = \$35,414.40) of the allotment or up to 120% (720 tons = \$53,121.60) of the allotment. We always strive to use the least amount of salt possible to keep our roads safe and our goal is to only buy 80% of our allotment. However, we have to allocate funds to purchase 120% of our allotment in the event we need the supply for a heavy winter. This purchase will be a maximum of \$10,071.60 over the budgeted amount. Therefore, a budget amendment will be needed in the amount of \$10,071.60.

With the above information in mind, Public Works is requesting that the Mayor and Board of Trustees authorize the Village Manager to sign a purchase order in the amount of \$53,121.60 to

Cargill, Inc. for the FY24 Roadway De-icing Rock Salt Purchase and approve a budget amendment to line 02-01-3-602 in the amount of \$10,071.60. The total purchase order amount covers the entire contract amount up to 120% of our allotment. The MFT Fund has sufficient fund balance for this amendment.

TO: Bridget Wachtel, Village Manager
CC: Scott Bordui
FROM: John Brunke, Public Works Director
DATE: November 6, 2023
SUBJECT: Consideration of a Contract Award and Budget
 Amendment for the Fire Department Women's Locker
 Room Project



FLOSSMOOR

Bids were opened on September 28, 2023 at 10 am for the Fire Department Women's Locker Room Renovation project. Twelve bid packets were downloaded and five bids were received. Below is a summary of the bids received.

<u>Bidder</u>	<u>Base Bid</u>	<u>Alternate 1</u>	<u>Alternate 2</u>	<u>Total Bid w/ Alt. 1</u>
Construction Solutions, Inc.	\$273,723.00	\$6,000.00	(\$6,300.00)	\$279,723.00
Pacific Construction	\$305,478.00	\$5,691.00	(\$4,806.00)	\$311,169.00
Construction, Inc.	\$314,000.00	\$33,000.00	(\$10,000.00)	\$347,000.00
Brock Construction	\$374,850.00	\$35,300.00	(\$4,500.00)	\$410,150.00
Kandu Construction	\$402,000.00	\$15,000.00	(\$0.00)	\$417,000.00

The base bid includes the remodeling work to the men's bathroom and women's bathroom and locker room area, and epoxy flooring in the training room, hallway, and recreation room. A majority of the base bid scope involves significant renovation work in the women's locker room area. This work will include the demolition of the existing shower, demolition of a masonry wall and plumbing, and construction of a new shower, double sink area, and toilet. All proposed work will be ADA accessible as required by code. The bid also includes contingency funds totaling \$28,000 for additional costs if needed during construction.

Alternate 1 includes installing epoxy flooring in four closet areas adjacent to the Training Room, hallway, and Recreation Room. Based on the bid cost and overall cost of the project, Staff is recommending that Alternate 1 **not be awarded**.

Alternate 2 includes using vinyl base trim molding versus using epoxy on the wall for all areas that being re-floored. This alternate would be a deduct, or cost savings, to the contract. Based on the deduct bid recieved, Staff is recommending that Alternate 2 **be awarded** to help bring the project cost down by \$6,300.

FGM Architects has provided Staff with the attached letter of recommendation of award of contract to the lowest qualified bidder, Construction Solutions, Inc. They have checked their references and they also have experience working with them and their work has been satisfactory. FGM also advised that the bid received is in line with the work needed and current industry pricing. Staff also compared this bid to the 2019 Village Hall Complex Improvements bid for similar locker room renovation work that was planned in the exercise room area and the square footage prices was very similar. This bid came in at about \$104 per square foot, where the 2019 project came in at about \$110 per square foot. While the two projects aren't exactly

the same, this does give validity to the price range for this type of renovation work.

The FY24 approved Building Maintenance budget has \$163,800 for the Village Hall facility improvement projects. This project scope was not determined at the time of budget preparation, so the estimated cost was not known at that time. Further, the Village Hall front desk security glass project was already completed this year with the budget. Therefore, a budget amendment would be needed from the General Fund if this project is approved to move forward in a total amount of \$194,523.00. Below is a summary of the project costs in this budget line 01-67-7-765.

<u>Project</u>	<u>Cost</u>
Village Hall Front Desk Security Glass Improvement (completed)	\$36,200.00
Fire Dept. Locker Room FGM Architects Design Contract	\$34,400.00
Fire Dept. Locker Room Construction Solutions Contract	\$267,723.00
Fire Dept. Locker Room FGM Construction Administration Contract (estimated)	\$20,000.00
Total	\$358,323.00

Attached for reference are project area photographs and floor plans.

With the above information in mind, Staff recommends that the Mayor and Board of Trustees award a contract to Construction Solutions of Illinois, Inc. of Oak Lawn, Illinois in the amount of \$267,423.00 for the Fire Department Women's Locker Room Project (Base Bid & Alternate #2) and approve a budget amendment to line 01-67-7-765 in the amount of \$194,523.00. There is fund balance in the General Fund for this amendment. A representative from FGM Architects will be present at the meeting for any questions you may have on the project.

FGMARCHITECTS

October 9, 2023

John S. Brunke, Village of Flossmoor Public Works Director
 Village of Flossmoor – Fire Station Women’s Locker Room Renovation
 2800 Flossmoor Rd
 Flossmoor, Illinois 60422
 mail: jbrunke@flossmoor.org

Re: Village of Flossmoor – Fire Station Women’s Locker Room Renovation
 FGMA# 23-3819.01

Dear Mr. Brunke,

Enclosed please find the compiled Bid Tabulation for above referenced Project. Bids were received on September 28, 2023, and a total of four (5) bids were received. Even with the possibility of accepting all alternates, one contractor bid remained the lowest. This contractor has been scoped and reviewed.

The lowest bidder, Construction Solutions of Illinois, Inc out of Oak Lawn IL, was scoped and reviewed. The bid package provided is in accordance with the requirements of the Bidding Documents and the necessary requirements for Bonding and Insurance are able to be met. A copy of their bid and support documents are included herewith for record.

We have reviewed the bid and scope of work with Construction Solutions, and they indicated their Bid is complete and includes all work included in the Bidding Documents, and they can complete the work as scheduled. During the bid scope process, it was determined that the bidder did participate in the highly recommended prebid meeting. FGMA has past experience with this contractor, and references researched were positive.

Construction Inc’s base bid was \$273,723.00, this includes \$20,000.00 for contingency allowance, \$5,000.00 testing allowance, and \$3,000.00 door hardware allowance. All allowances are to be used at the Village’s discretion. Unused allowance will be credited back to the Village of Flossmoor at project’s end.

Alternate No 1 bid of \$6,000 is for additional epoxy flooring and wall base in closet spaces. The cost for this additional work is reasonable, the Village would ultimately need to make the decision if the alternate is accepted. Alternate No 2 deduct bid of -\$6,300.00 for substituting the epoxy wall base with rubber cove base. We would not recommend accepting alternate No 2, the credit is not equivalent to the durability and longevity of the epoxy cove base. The total contract amount, with acceptance of alternation No 1 would be \$279,723.00. Please notify FGM Architects which alternates have been accepted or rejected.

Please let us know your decision at your earliest convenience. Upon your direction, FGM Architects will draft a construction contract for signatures, issue the Notice of Intent, request bonds and insurance, and notify the contractor to proceed with the project. We would look to set up a kickoff meeting within the next couple of weeks to discuss schedule and lead items.

Attachment: 2023.10.09 VoFFSWL Bid Recc Letter_complete (FD Womens Locker Room Project Contract)

FGMAARCHITECTS

If you have any questions or comments, please do not hesitate to call me.

Sincerely,



Jason Estes, AIA | Principal

JasonEstes@fgmarchitects.com

cc: Fire Chief Robert Kopec, VoF
Assistant Fire Chief Matthew Berk, VoF
Dawn Lencioni, VoF
Jake McLaughlin, FGMA

Enclosure(s): Construction Solutions of Illinois Bid Form, Scope and Review documents

Attachment: 2023.10.09 VoFFSWL Bid Recc Letter_complete (FD Womens Locker Room Project Contract)

SECTION 004100 BID FORM

TO: VILLAGE OF FLOSSMOOR
2800 Flossmoor Drive; Flossmoor, Illinois 60422

FROM: CONSTRUCTION SOLUTIONS OF IL. INC.
5920 LYNWOOD DRIVE
OAK LAWN IL 60453

Operating as (strike out conditions that do not apply) (~~an individual~~), (a Corporation, organized and existing under the law of the State of ILLINOIS), (~~a Partnership~~), (~~a Joint Venture consisting of the firm of:~~)

BASE BID PROPOSAL:

In response to your invitation to submit a proposal for the execution of all work described by the Drawings and Specifications dated September 6, 2023 titled: Flossmoor Fire Department – Women's Locker Room Renovation, located at 2828 Flossmoor Drive; Flossmoor, Illinois 60422, and having examined the site where the work is to be executed; and having become familiar with local conditions as they might in any way affect the cost and/or execution of the work; and having carefully examined the aforesaid drawings, specifications and other related documents and addenda thereto, the undersigned Bidder hereby proposes and agrees to provide all labor, materials, plant, equipment, transportation, and other facilities as necessary and/or required for the complete and satisfactory execution of the work for which this proposal is submitted, for the lump-sum consideration as stated hereinafter:

Bidders must show bid amount in both words and figures. In case of discrepancy, amount shown in words shall govern.

BASE PROPOSAL:

Base Bid: Bidder agrees to perform all work described and shown on the drawings for the sum of:

Bid Two Hundred Seventy Three Thousand Seven Hundred Twenty Three Dollars 273,723
(in figures)

** Base Bid is to include scheduled Allowances.

ALTERNATES**ALTERNATE: A1:**

Bidder agrees to perform all work described and shown on the drawings described as Alternate 1 for the sum of:

ADD Seven Thousand Dollars ADD (\$+ 6,000)
(in writing)

VILLAGE OF FLOSSMOOR - FLOSSMOOR FIRE
DEPARTMENT – WOMEN'S LOCKER ROOM RENOVATION
Issued for Bid & Permit – September 6, 2023
FGMA# 23-3819.01 || ©2023 FGM Architects, Inc.

BID FORM
004100 - 1

Attachment: 2023.10.09 VoFFSWL Bid Rec Letter_complete (FD Womens Locker Room Project Contract)

ALTERNATE: A2:

Bidder agrees to perform all work described and shown on the drawings described as Alternate 2 for the sum of:

CREDIT Six Thousand Three Hundred Dollars **CREDIT** (\$ +) 6,300)
(in writing)

ALLOWANCES:

The following allowances are to be included in the Base Bid Proposal:

Allowance No 1	Contingency Allowance	\$20,000
Allowance No 2	Hardware Allowance	\$5,000
Allowance No 3	Testing Allowance	\$3,000

ADDENDA ACKNOWLEDGEMENT:

The undersigned acknowledges receipt of the following addenda:

(List by number and date appearing on each addenda. If all addenda are not acknowledged, the bid will be considered irregular).

ADDENDUM No.	Date
<u>ONE</u>	<u>9-18-23</u>

The undersigned agrees to complete all work required by the contract as follows:

Out to Bid	September 6, 2023
PreBid Mtg & Walk Through	September 14, 2023, 8:30am
Bids Due	September 28, 2023, 10:00am
Anticipated Board Approval	October 16, 2023
Anticipated Notice of Intent	October 17, 2023
Start Construction/Commence Work:	Start by December 1, 2023
Substantial Completion:	January 31, 2024
Final Completion:	February 15, 2024

BID SECURITY:

Bid Security (10%) is attached, without endorsement, in the sum of

See Attached Bid Bond Dollars

GENERAL STATEMENT:

- A. The undersigned has checked all of the figures contained in this proposal and further understands that the Owner will not be responsible for any errors or omissions made therein by the undersigned

VILLAGE OF FLOSSMOOR - FLOSSMOOR FIRE
DEPARTMENT - WOMEN'S LOCKER ROOM RENOVATION
Issued for Bid & Permit - September 6, 2023
FGMA# 23-3819.01 || ©2023 FGM Architects, Inc.

BID FORM
004100 - 2

- B. The undersigned agrees to assist and cooperate with the Owner in preparing the formal Contract, and shall execute same and return it to the Owner along with surety bonds and insurance certificates, as may be required by the specifications and other Contract Documents, within 10 days following its receipt.
- C. The undersigned further agrees to begin work on said contract as soon as practicable after date of "Contract" or "Notice to Proceed," whichever is earlier; or, in any case the undersigned fails or neglects to appear within the specified time to execute the Contract, the undersigned will be considered as having abandoned it, and the Bid Security accompanying this proposal will be forfeited to Owner as liquidated damages for delay and loss caused to Owner by reason of such failure on the part of the undersigned.
- D. It is understood that the right is reserved by Owner to reject any or all proposals, to waive all informalities and irregularities in connection therewith, and to award a contract for any part of the work or the project as a whole. It is agreed that this proposal may not be withdrawn for a period of 60 days after it has been opened, without permission to the Owner.
- E. The undersigned declares that the person(s) signing this proposal is/are fully authorized to sign on behalf of the named firm and to fully bind the named firm to all the conditions and provisions thereof.
- F. It is agreed that no person(s) or company other than the firm listed below or as otherwise indicated hereinafter has any interest whatsoever in this proposal or the Contract that may be entered into as a result thereof, and that in all respects the proposal is legal and fair, submitted in good faith, without collusion or fraud.
- G. It is agreed that the undersigned has complied or will comply with all requirements concerning licensing and with all other local, state, and national laws, and that no legal requirements has been or will be violated in making or accepting this proposal, in awarding the Contract to him, or in the prosecution of the work required thereunder.
- H. Contractor shall authorize and notarize this bid form, along with the subsequent certificates with their bid.
 - 1. Certificate of Eligibility to Contract
 - 2. Compliance with Prevailing Wage Rates – Exhibit D
 - 3. Drug Free Workplace Act Certification – Exhibit E
 - 4. Compliance with the Americans with Disabilities Act – Exhibit F
 - 5. Equal Employment Opportunity Clause – Exhibit G
 - 6. Diverse Business Utilization Plan – Exhibit H

- I. The Contractor certifies that the Contractor possesses the necessary licenses and is legally authorized to perform the Work where the project is located.

Peter M. Schipma
Name of Contractor (Typed)

[Signature]
Contractor's Signature

BIDDER SIGNATURE:

Respectfully submitted this 28th day of Sept. 2023

Legal Name of
Firm: CONSTRUCTION SOLUTIONS OF IL. INC.

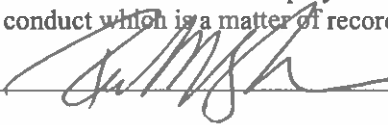
BY:

Peter M. Schipma PRESIDENT
CONSTRUCTION SOLUTIONS OF IL. INC.
OAK LAWN IL 60453

CERTIFICATE OF ELIGIBILITY TO CONTRACT

Construction Solutions of IL, INC. Contractor, Pursuant to section 33E-11 of the Illinois Criminal Code of 1961 as amended, hereby certifies that neither (he, she, it) nor any of (his, her, its) partners, officers, or owners of (his, her, its) business has been convicted in the past five (5) years of the offense of bid-rigging under section 33E-3 of the Illinois Criminal Code of 1961 as amended; that neither (he, she, it) nor any of (his, her, its) partners, officers or owners has ever been convicted of the offense of bid-rotating under section 33E-4 of the Illinois Criminal Code of 1961 as amended; and that neither (he, she, it) nor any of (his, her, its) partners, officers or owners has ever been convicted of bribing or attempting to bribe an officer or an employee of the State of Illinois, or has made an admission of guilt of such conduct which is a matter of record.

Date: 9-28-23



SUBSCRIBED and SWORN TO before me

This 28th day of Sept. 2023

Roseann Schipma
NOTARY PUBLIC

OFFICIAL SEAL
ROSEANN SCHIPMA
NOTARY PUBLIC STATE OF ILLINOIS
MY COMMISSION EXPIRES 01/21/2024

SUBSCRIBED and SWORN TO before me

This 28th day of Sept. 2023

Roseann Schipma
NOTARY PUBLIC

OFFICIAL SEAL
ROSEANN SCHIPMA
NOTARY PUBLIC STATE OF ILLINOIS
MY COMMISSION EXPIRES 01/21/2024

END OF BID FORM

EXHIBIT D

COMPLIANCE WITH PREVAILING WAGE RATES: All work associated with this contract is subject to the Illinois Prevailing Wage Act. This contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 et seq. ("the Act"). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current "prevailing rate of wages" (hourly cash wages plus amount for fringe benefits) in the county where the work is performed. The Department publishes the prevailing wage rates on its website at <http://www.illinois.gov/idol/>. The Department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department's web site for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor's website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, including but not limited to, all wage requirements and notice and record keeping duties.

The undersigned firm hereby certifies that they are in compliance with the Prevailing Wage Act as applicable to this contract. Certified payroll will be required with each invoice submittal.

CONSTRUCTION SOLUTIONS OF IL. INC.
(Company Name)

5920 LYNWOOD DRIVE, OAK LAWN IL 60453
(Company Address)

By 
(Signature)

Date 9-28-23

Peter M. Shipma, PRESIDENT
(Print Name and Title)

Attest By 
(Signature)

PW-1

EXHIBIT E

X. **DRUG FREE WORKPLACE.** CONTRACTOR shall submit as a part of this contract, this "DRUG FREE WORKPLACE CERTIFICATIONS" statement, notarized, dated and signed by the highest-ranking company official in the geographical area, along with his/her title or position within the company.

DRUG FREE WORKPLACE CERTIFICATIONS

The CONTRACTOR acknowledges its obligations under the Illinois Drug Free Workplace Act and certifies that it will provide a drug-free workplace by:

A. Publishing a statement:

- 1) Notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in the contractor's workplace.
- 2) Specifying the actions that will be taken against employees for violations of such prohibitions.
- 3) Notifying the actions that will be taken against employees for violations of such prohibitions.
 - a) abide by the terms of the statement in the workplace;
 - b) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five days after such conviction.

B. Establishing a drug free awareness program to inform employees about:

- a) the dangers of drug abuse in the workplace;
- b) the grantee's or contractor's policy of maintaining a drug free workplace;
- c) any available drug counseling, rehabilitation, and employee assistance programs; and
- d) the penalties that may be imposed upon employees for drug violations.

C. Making it a requirement to give a copy of the statement required by subsection (1) to each employee engaged in the performance of the contract or grant, and to post the statement in a prominent place in the workplace.

- D. Notifying the Village of Flossmoor within 10 days after receiving notice under part (B) of paragraph (c) of subsection (1) from an employee or otherwise receiving actual notice of such conviction.
- E. Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program, by any employee who is so convicted, as required by Section 5 of the Illinois Drug Free Workplace Act.
- F. Training personnel to effectively assist employees in selecting a proper course of action in the event drug counseling, treatment, and rehabilitation is required and indicating an effectively trained counseling and referral team is in place.
- G. Making a good faith effort to continue to maintain a drug free workplace through implementation of requirements of Section 3 of the Illinois Drug Free Workplace Act.

Signature _____

Name Peter M. Schipani

Title PRESIDENT

Organization CONSTRUCTION SOLUTIONS OF IL. INC.

Date 9-28-23

EXHIBIT F

COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT; P.L.101-336.

The CONTRACTOR will comply with all provisions of the Americans with Disabilities Act (ADA) in the execution of this Contract and provide to the Village a certification of compliance in substantially the following form:

The undersigned firm hereby certifies that it is in compliance with the Americans with Disabilities Act (ADA) as applicable to this contract.

CONSTRUCTION SOLUTIONS OF IL INC.
(Company Name)

5920 LYNWOOD, Oak LAWN, IL
(Company Address)

By

(Signature)

Date

9-28-23

Peter M. Schipma, President
(Print Name and Title)

Attest By

(Signature)

Date

9-28-23

ROSEANN Schipma, Notary
(Print Name and Title)

ADA-1

Attachment: 2023.10.09 VoFFSWL Bid Rec Letter_complete (FD Womens Locker Room Project Contract)

EXHIBIT G

EQUAL EMPLOYMENT OPPORTUNITY CLAUSE required by the Illinois Fair Employment Practices Commission as a material term of all public contracts:

“EQUAL EMPLOYMENT OPPORTUNITY”

In the event of the contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Fair Employment Practices Act or the Fair Employment Practices Commission's Rules and Regulations for Public Contracts, the contractor may be declared non-responsible and therefore ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be canceled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

During the performance of this contract, the contractor agrees as follows:

- (1) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or ancestry; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
- (2) That, if it hires additional employees in order to perform this contract, or any portion hereof, it will determine the availability (in accordance with the Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
- (3) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin or ancestry.
- (4) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligation under the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the contractor in its effort to comply with such Act and Rules and Regulations, the contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations there under.
- (5) That it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.

EE-1

- (6) That it will permit access to all relevant books, records, accounts, and work sites by personnel of the contracting agency and the Illinois Fair Employment Practices Commission for purposes of investigation to ascertain compliance with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.
- (7) That it will include verbatim or by reference the provisions of paragraphs 1 through 7 of this clause in every performance subcontract as defined in Section 2.10 (b) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor; and that it will also so include the provisions of paragraphs 1, 5, 6, and 7 in every supply subcontract as defined in Section 2.10 (a) of the Commission's rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors; and further, it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any subcontractor fails or refuses to comply therewith. In addition, no contractor will utilize any subcontractor declared by the Commission to be non-responsible and therefore ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

With respect to the two types of subcontractors referred to under paragraph 7 of the Equal Employment Opportunity clause above, following is an excerpt of Section 2 of the FEPC's Rules and Regulations for Public Contracts:

Section 2.10. The term "subcontract" means any agreement, arrangement or understanding, written or otherwise, between a contractor and any person (in which the parties do not stand in the relationship of an employer and employee):

- (a) for the furnishing of supplies or services or for the use of real or personal property, including lease arrangements, which, in whole or in part, is utilized in the performance of any one or more contracts; or
- (b) under which any portion of the contractor's obligations under any one or more contracts is performed, undertaken or assumed.

EE-2

The undersigned firm hereby certifies that it is in compliance with the Equal Employment Opportunity Clause as applicable to this contract.

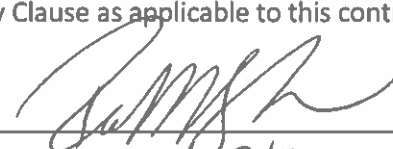
Signature

Name

Title

Organization

Date



Peter M. Schipma

President

CONSTRUCTION SOLUTIONS OF FL INC.

9-28-23

EE-3

Attachment: 2023.10.09 VoFFSWL Bid Recc Letter_complete (FD Womens Locker Room Project Contract)

EXHIBIT H

DIVERSE BUSINESS UTILIZATION PLAN

The Village of Flossmoor embraces diversity and inclusion as essential to who we are. The Village's Vision and Mission Statement is a clear declaration supporting the notion that diversity and inclusion are an important part of the Flossmoor story. We are committed to a diverse and inclusive community. This commitment extends to the Village's procurement of goods and services.

Each year, the Village of Flossmoor procures services and goods from businesses both small and large – ranging from photography to road construction to office supplies and more. Whenever possible it is our goal to seek pricing or proposals for goods and services from businesses that reflect the diversity of our community. The Village's strategic priority is to review, monitor and maintain procurement policy, practices and outreach to provide minority-owned and women-owned businesses with a fair opportunity to successfully participate and compete to supply goods and services.

In that spirit, we ask that prime vendors share our values and commit to subcontracting a portion with a certified minority, woman, veteran, disability, or LGBT- owned business in support of the overall project.

Name of Prime Contractor CONSTRUCTION SOLUTIONS OF IL. INC.
 Address 5920 LYNNWOOD
 City Oak Lawn State IL Zip Code 60453
 Primary Contact Name Pete email address bida@ccof.com phone 708.239.0001

Contractor and any Subcontractors/Suppliers need to create a profile here:

<https://forms.gle/CbuwdZZRBDLDvK1j9>

Is the Contractor a diverse business? ☐ Yes ☒ No

If yes, please provide the following:

Diversity Category _____ (MBE, WBE, etc.)

Certified by _____

Certificate Number _____ Certificate Expiration Date _____

Will you utilize a diverse Subcontractor/Supplier? ☐ Yes ☐ No

If yes, please provide the following:

Name of Diverse Subcontractor/Supplier T. B. D

(Use additional pages if you will utilize more than one subcontractor)

Address: _____

City _____ State _____ Zip Code _____

DB-1

Attachment: 2023.10.09 VoFFSWL Bid Rec Letter_complete (FD Womens Locker Room Project Contract)

Primary Contact Name _____ email address _____ phone _____

Diversity Category _____ (MBE, WBE, etc.)

Certified by _____

Certificate Number _____ Certificate Expiration Date _____

Proposed _____ % of Contract to be performed by diverse subcontractor identified above.

Estimated \$ _____ value

Detailed Description of work to be performed or goods/equipment to be provided by diverse subcontractor/supplier:

The Prime Contractor and certified diverse Subcontractor/Supplier above hereby agree that upon the execution of a contract for the above-named project between the Prime Contractor and the Village of Flossmoor, the diverse Subcontractor/Supplier will perform the scope of work for the amount/percentage as indicated above.

Prime Contractor:


Signature

Print Name

Title

Date

Peter M. Schipma
PRESIDENT
01-28-23

Diverse Subcontractor/Supplier:

Signature

Print Name

Title

Date

DB-2

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

Construction Solutions of Illinois, Inc.
5920 Lynwood Drive
Oak Lawn, IL 60453

SURETY:

(Name, legal status and principal place of business)

Fidelity and Deposit Company of Maryland

1299 Zurich Way, 5th Floor
Schaumburg, IL 60196-1056

Mailing Address for Notices

Same as above

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.

OWNER:

(Name, legal status and address)

Village of Flossmoor
2800 Flossmoor Road
Flossmoor, IL 60422

BOND AMOUNT: 10% Ten Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)

Renovation of Womens Locker Room at Fire House

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 28th day of September, 2023.


(Witness)

(Witness) Dave Roth

Construction Solutions of Illinois, Inc.

(Principal)

(Seal)

By:

(Title)

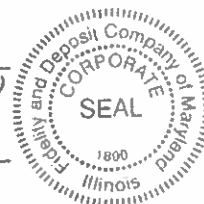
Fidelity and Deposit Company of Maryland

(Surety)

(Seal)

By:

(Title) Kristen Schmidt, Attorney-in-Fact



Bond Number: Bid Bond

Obligee: Village of Flossmoor

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by Robert D. Murray, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Kristen Schmidt**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York, the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland, and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland, in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 28th day of September, A.D. 2023.



ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND


By: Robert D. Murray
Vice President


By: Dawn E. Brown
Secretary

State of Maryland
County of Baltimore

On this 28th day of September, A.D. 2023, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, Robert D. Murray, Vice President and Dawn E. Brown, Secretary of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Genevieve M. Maison

GENEVIEVE M. MAISON
NOTARY PUBLIC
BALTIMORE COUNTY, MD
My Commission Expires JANUARY 27, 2025



Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

Attachment: 2023.10.09 VoFFSWL Bid Rec Letter_complete (FD Womens Locker Room Project Contract)

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, ~~Attorneys-in-Fact~~. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 28th day of September, 2023.



MJ Pethick
By: Mary Jean Pethick
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

Attachment: 2023.10.09 VoFFSWL Bid Recc Letter_complete (FD Womens Locker Room Project Contract)



AIA Document A305

Contractor's Qualification Statement

1986 EDITION

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 the AIA or AGC.

The Undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

SUBMITTED TO: FOR INFORMATION PURPOSES ONLY

ADDRESS:

SUBMITTED BY:

CONSTRUCTION SOLUTIONS OF ILLINOIS, INC.

NAME:

ADDRESS:

PRINCIPAL OFFICE:

Corporation ☒
Partnership ☐
Individual ☐
Joint Venture ☐
Other ☐

NAME OF PROJECT (if applicable): Evergreen Park Community Center Project

TYPE OF WORK (file separate form for each Classification of Work):

☒ General Construction

☐ Plumbing

☐ Other _____

(please specify)

☐ HVAC

☐ Electrical

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1. ORGANIZATION

1.1 How many years has your organization been in business as a Contractor?

23 Years

1.2 How many years has your organization been in business under its present business name?

23 Years

1.2.1 Under what other or former names has your organization operated?

1.3 If your organization is a corporation, answer the following:

1.3.1 Date of incorporation: 1999

1.3.2 State of incorporation: Illinois

1.3.3 President's name: Peter Schipma

1.3.4 Vice-president's name(s):

1.3.5 Secretary's name:

1.3.6 Treasurer's name:

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.

Various cities and counties throughout Chicagoland.

Supervision

- 2.2 List jurisdictions in which your organization's partnership or trade name is filed.

3. EXPERIENCE

- 3.1 List the categories of work that your organization normally performs with its own forces.

Supervision

- 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

- 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.

3.4.1 State total worth of work in progress and under contract: 2.1 Million Dollars

- 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.

3.5.1 State average annual amount of construction work performed during the past five years:
15 million

- 3.6 On a separate sheet, list the construction experience and present commitments of the key individuals of your organization.

4. REFERENCES

4.1 Trade References:

Pat Callahan, Studio GC, 312-253-3400

Sam Kmcta, Renovation Assoc., 708-257-1363

4.2 Bank References:

Aaron Jakubiec
First Midwest Bank
708-576-7129

4.3 Surety:

4.3.1 Name of bonding company: **Fidelity & Deposit Company of Maryland**

4.3.2 Name and address of agent: **The Horton Group, Orland Park, Illinois**

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:

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:
William Funk and Associates

- 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-subsiidiary).

- 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

5TH day of Sept. 2022

Name of Organization: Construction Solutions of Illinois, Inc.

By: Peter Schipma

Title: President

6.2

M Peter M. Schipma being
 duly sworn deposes and says that the information provided herein is true and sufficiently complete so as not to be
 misleading.

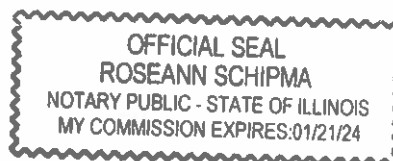
Subscribed and sworn before me this

20

5th day of Sept. 2022

Notary Public:

My Commission Expires:



CAUTION: You should sign an original AIA document which has this caution printed in red.
 An original assures that changes will not be obscured as may occur when documents are reproduced.

CONSTRUCTION SOLUTIONS OF ILLINOIS, INC.



Please visit our website at www.csofi.com to learn about our company

Completed Projects:

General Contractor for School District 64, Owner
Kitchen renovations, LRC, and vestibule at Lincoln School
Park Ridge, Illinois
Studio GC Architecture & BIM
\$1,350,000
Mr. Pat Callahan, Architect
312-253-3400
Started in June 2018, finished August 2018

General Contractor for the Transition Facility Renovation
SWCCCASE, Owner, Orland Park, Illinois
Started in May 2016, finished in January 2017
\$986,000
Tage Shumway Business Manager
708-342-5336

General Contractor for Salt Creek School District 48, Owner
Albright and Schwartz Schools, renovation of existing schools
\$1,250,000, started in June 2016 and finished August 2016
Villa Park, IL 60181
Dr. Frank Evans, Superintendent of Schools
630-279-8400

General Contractor for the McCook Max Building Expansion
Owner, Village of McCook
Started in March of 2012 and finished in September 2013
\$4,408,450
Renovation Associates
Mr. Sam Krneta, Owner representative
708-257-1363

West Aurora School District 129
Science Labs and Piping Renovation Work
Summer 2019
\$1,350,000
Mr. Pat Callahan, Architect
312-253-3400

General Contractor for Mercedes Benz/ Sprinter Smart Car, Orland Park Dealership Upgrades
Owner, Mercedes Benz of Orland Park, David Nocera
Orland Park, IL
\$405,000
708-460-0400

708•239•0001
12540 S. HOLIDAY DRIVE UNIT D • ALSIP, ILLINOIS 60803
.....

Attachment: 2023.10.09 VoFFSWL Bid Rec Letter_complete (FD Womens Locker Room Project Contract)

CONSTRUCTION SOLUTIONS

10.a

OF ILLINOIS, INC.

OFFICE: 708-239-0001

FAX: 708-239-0006

List of Projects completed with references

Park Ridge Niles School District 64
Luann Kolstad, Chief School Business Official
164 South Prospect Avenue
Park Ridge, IL 60068
847-318-4324

2017-2021

-Vestibule Work	\$1,227,000
-Park Ridge Kitchen Renovation	\$108,200
-Emerson School Alterations	\$269,000
-Roosevelt School Building Renovations	\$1,290,000
-Carpenter School Classroom Renovation	\$1,170,000
-Carpenter School Secure Vestibule	\$738,300
-Lincoln School Intercom Project	\$440,200
-Franklin School Secure Vestibule	\$1,238,000
-Washington School Addition and Renovation	\$4,923,000
-Field School Sidewalk	\$60,645

Maywood-Melrose-Broadview School District 89
Pat Callahan, Studio GC Architects
223 West Jackson Blvd., Suite 1200
Chicago, IL 60606
312-253-3400

-2020 GeoThermal Work and Building Renovations	\$7,262,000
-Maywood Schools Secure Vestibules	\$224,000
-2021 GeoThermal Work and Building Reovations	\$8,872,472

Salt Creek School District 48
Dr. Frank Evans, Superintendent of Schools
1110 South Villa Avenue
Villa Park, IL 60181
30-279-8400

2016 Albright and Schwartz School Renovations	\$1,250,000
---	-------------

Attachment: 2023.10.09 VoFFSWL Bid Recc Letter_complete (FD Womens Locker Room Project Contract)

Completed Projects/References Page Two

Dynamic Manufacturing, Inc.
Carmen Fallara, special Projects Coordinator
4201 Raymond Drive
Hillside, IL 60162
708-670-8764

-2018 Office Build Out	\$1,487,700
-2019 Battery Lab	\$339,000
-2019 Dock Repair Project	\$43,000

Studio GC Architects
223 West Jackson Blvd., Suite 1200
Chicago, IL 60606
312-253-3400
Mr. Riek Petricek

-Park Ridge/Niles School District 64 Projects

FGMARCHITECTS

CONTRACTOR BID/SCOPE REVIEW

Date: 10/03/2022

Client/Project Name: Village of Flossmoor Fire Station Women's Locker Room Reno

Project Number: 23-3819.01

Contractor Name: Construction Solutions of Illinois Inc.

Contact Name & Title: Peter Schipma | President

Address: 5920 Lynwood Drive, Oak Lawn, IL 60453

Phone Number: 708-239-0001 | 708.752.1578

Completed by: Jacob McLaughlin

GENERAL ITEMS	YES	NO
Is Contractor satisfied that their bid includes the entire scope of Work for this project? <i>Comment:</i>	X	
Review Bid Form. Submitted without modification? <i>Comment:</i>	X	
Did they give break out pricing? <i>Comment: Only break out is alternates</i>		X
Did they provide numbers for all alternates? <i>Comment:</i>	X	
Bid signed and sealed by authorized employee of Contractor? <i>Comment:</i>	X	
Addenda Acknowledged on Bid Form? <i>Comment:</i>	X	
Did Contractor complete all the Certificates required to be submitted with the Bid Form? <i>Comment:</i>	X	
Did Contractor submit a Bid Bond? Certified check? Cashier's check? <i>Comment: Bid bond</i>	X	

Attachment: 2023.10.09 VoFFSWL Bid Recc Letter_complete (FD Womens Locker Room Project Contract)

FGM ARCHITECTS

GENERAL ITEMS	YES	NO
Does Contractor agree to comply with Prevailing Wage requirements? <i>Comment:</i>	x	
Will Contractor prepare and submit monthly Certified Payroll Statements, including subcontractors, to the Owner? <i>Comment:</i>	x	
Did Contractor submit A310 – Bid Bond if asked for? <i>Comment:</i>	x	
Did Contractor submit A305? <i>Comment:</i>	x	
Did Contractor attend the Pre-Bid Meeting and tour? <i>Comment:</i>	x	
Did Contractor's proposed Subcontractors attend the Pre-Bid Meeting? <i>Comment:</i>		x
Did Contractor visit the site and become familiar with all aspects of the Work? <i>Comment:</i>		x
Did the Contractor's proposed Subcontractors visit the site and become familiar with all aspects of the Work? <i>Comment:</i>		x
Is Contractor aware this project is tax exempt, and did they include this in their Bid? <i>Comment:</i>	x	
Is Contractor satisfied that their bid includes the entire scope of Work for this project? <i>Comment:</i>	x	
Does the Contractor's Bid include all allowances indicated? <i>Comment:</i>	x	
Is Contractor willing to participate in the Owner's security plan and allow all employees that will be on site to be processed thru the background screening process? Are his subcontractors in agreement with this policy? <i>Comment:</i>	x	
Did Contractor review and understand all aspects of the Supplementary	x	

Attachment: 2023.10.09 VoFFSWL Bid Recc Letter_complete (FD Womens Locker Room Project Contract)

FGM ARCHITECTS

GENERAL ITEMS	YES	NO
Conditions? Are all requirements included in the Bid? <i>Comment:</i>		
Will Contractor provide Insurance Coverage as described in the Supplementary Conditions? Including amounts and additional insureds? Has the Contractor included the cost of insurance in the Bid? <i>Comment:</i>	x	
Can the Contractor obtain the required Performance, Payment, and Material Bonds? Has the Contractor included the cost of the bonds in the Bid? <i>Comment:</i>	x	
Does Contractor understand the site logistics, including access, parking, and deliveries, restrictions, etc? Has the Contractor included any unusual requirements in the Bid? <i>Comment:</i>	x	
Has Contractor reviewed the submittal process and will they adhere to the requirements? <i>Comment:</i>	x	
Is Contractor aware that they are solely responsible for site safety? <i>Comment:</i>	x	
Is Contractor aware that they are solely responsible for all construction activities including ways, means, methods, and techniques to provide the Work? <i>Comment:</i>	x	
Has the Contractor reviewed the proposed construction schedule and do they agree and willing to commit to it? <i>Comment:</i>	x	
Will the Contractor prepare and submit a submittal schedule within 2 weeks of contract award? <i>Comment:</i>	x	
Will the Contractor prepare and submit a detailed construction schedule indicating progress of the work to meet the Substantial Completion Dates? <i>Comment:</i>	x	
Are you willing to work with the Owner on phasing so to not disrupt training	x	

Attachment: 2023.10.09 VoFFSWL Bid Recc Letter_complete (FD Womens Locker Room Project Contract)

FGM ARCHITECTS

GENERAL ITEMS	YES	NO
room programing? <i>Comment:</i>		
Notes and Comments: The Contractor made the comment they will use the opportunity during demolition to seek out any unforeseen conflicts that would inhibit the construction of the work outlined in the contract docuements. Plastic laminate lockers were noted to have the longest lead time. Contractor has agreed to process this submittal as soon as possible to prevent delay of substantial completion.		

PROJECT SPECIFIC ITEMS	COMMENTS
Base Bid Proposal with alt Max	\$273,723 \$279,723
Longest Lead times to consider	Plastic Laminate Lockers

Attachment: 2023.10.09 VoFFSWL Bid Recc Letter_complete (FD Womens Locker Room Project Contract)

FGMARCHITECTS

REFERENCE VERIFICATION

Date:	10/04/2022
Client/Project Name:	Village of Flossmoor Fire Station Women's Locker Room Reno
Project Number:	23-3819.01
Contractor Name:	Construction Solutions of Illinois Inc.
Contactor Address:	5920 Lynwood Drive, Oak Lawn, IL 60453
Reference Name:	Park Ridge Niles School District 64
Reference Contact:	Luann Kolstad, Chief School Business Official 847.318.4324
Completed by:	Jacob McLaughlin

1. Did they perform work in the Park Ridge Niles School District 64 for you? Was it new construction or renovation? **They had worked with PRN School district and Prospect heights School District while Luann was there. The projects ranged from additions to major renovations that covered architectural scope as well as MEP.**
2. What was the project delivery system? Design-Bid-Build, Construction Manager as Constructor, Construction Manager Advisor or other? **Design-Bid-Build, Construction Solutions as general contractor.**
3. Was the project completed on schedule? If not, give a brief description of what caused the project to go past scheduled completion date. **On time, managed time well and met expectations. Any delays in the project were not caused by Construction Solutions.**
4. Was the project completed on budget or as bid? If not, give a brief description of the number and type of change orders that occurred (Owner initiated, Unforeseen Conditions, Design errors) and if they were contentious). **Met budget, no major issues. No nickel and diming. Easy to get ahold of.**
5. Did they provide initial documentation such as Insurance, Bonds, Contracts, Submittal Schedules, Product Data and other documentation? **No issues**
6. Did they communicate with A/E in accordance with Contract Documents? Meeting minutes, proper lines of communication, etc. **Good communication across Ownership, Architects/Engineers, and subcontractors.**
7. Did they submit, follow and update a written project schedule in accordance with Contract Documents? **No issues**

Attachment: 2023.10.09 VoFFSWL Bid Rec Letter_complete (FD Womens Locker Room Project Contract)

WE BUILD COMMUNITY

FGM Architects Inc. | An Employee-Owned Firm
Illinois • Missouri • Texas • Virginia

Packet Pg. 185

FGMARCHITECTS

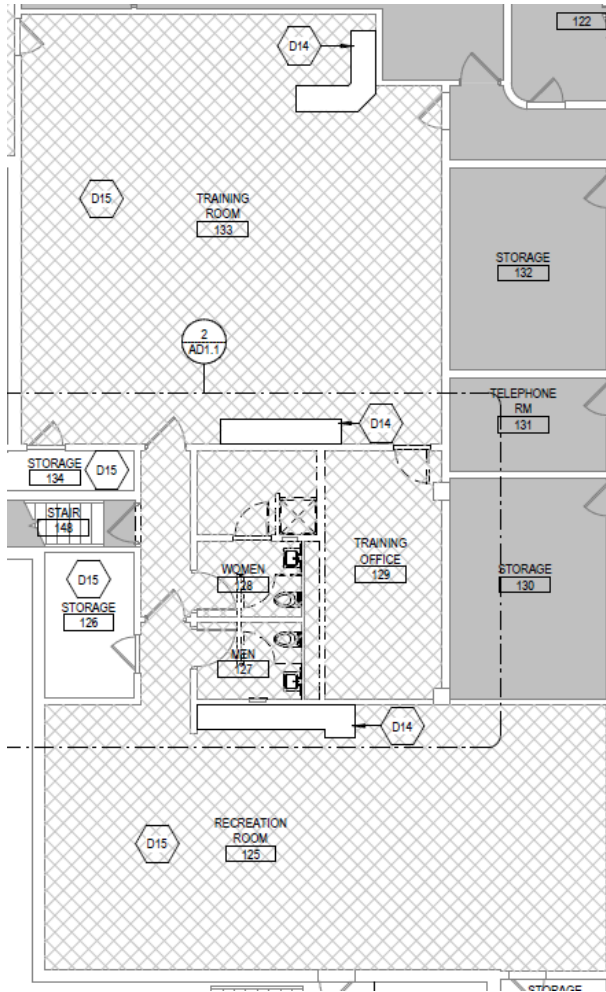
8. Was the quality and timeliness of submittals acceptable? **Yes**
9. Did they adequately staff the project? Superintendent? **Yes, site superintendent.**
10. Did they properly coordinate and cooperate with sub-contractors and other contractors? **Not to the Owners knowledge.**
11. Were materials and workmanship in compliance with Contract Documents? Substitutions during construction? Installed unapproved work? **Not to the Owners knowledge**
12. Did they generate an inordinate number of RFI? Were they justified? Frivolous? **Not to the Owners knowledge.**
13. Did they submit appropriate documentation for Pay Requests, Change Orders, RFP's, LEED, etc.? no. **Yes, everything was on time. Had a calendar for document submission.**
14. Did they perform punch-lists prior to requesting A/E final reviews? **Yes. There were issues with getting subcontractor back on site in a timely manner. Owner did not feel abandoned by Construction Solutions.**
15. Did they submit close-out documentation in accordance with Contract Documents? **Yes**
16. *On a scale of 1-5 (5 being the best) how would you rate their quality of work? **4.5**
17. *On a scale of 1-5 (5 being the best) how would you rate the quality of their sub-contractors? **4.5**
18. Have you worked with this contractor on other projects? Was the experience similar to this one? Better? Worse? Explain. **Yes, great experience.**
19. *Would you work with this contractor again and would you refer this contractor to someone else? Why? Why not. **Yes, they had been used several times. Owner had recommended Construction Solutions to other school districts.**
20. Additional Comments: **Luann Kolstad had worked with Construction Solutions at Park Ridge Niles School District from 2016 to 2021. She would recommend them to any municipality.**

Fire Department Women's Locker Room – Project Exhibits

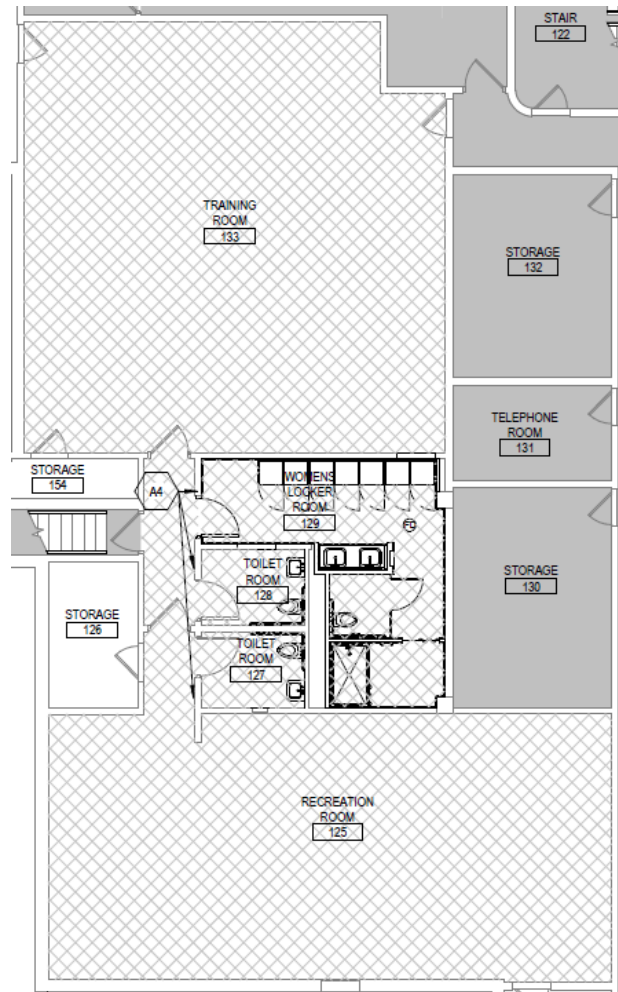
Existing Photographs of Women's Locker Room Area



Existing and Proposed Floor Plans of Project Area



Existing Floor Plan



Proposed Floor Plan

Example Photographs of a Similar Locker Room Project



Attachment: Fire Dept Women's Locker Room Board Packet Exhibits (11-2-23) (FD Womens Locker Room Project Contract)

TO: Bridget Wachtel, Village Manager
FROM: Jerel Jones, Police Chief
DATE: November 6, 2023
SUBJECT: Consideration of Replacement of Police Department Laptop Computers



Our current Fujitsu laptop computers for our police patrol vehicles are scheduled for replacement. The FY23-24 Capital Equipment Budget provides funds for the acquisition of thirteen (13) laptop computers. Five (5) of these computers are allocated for our patrol vehicle fleet, while the remaining eight (8) computers are allocated for the following:

1. Department Administration (Chief, Deputy Chief and Commander)- 3
2. Community Service Officers (CSO)- 2
3. Detectives-1
4. Administrative Hearings- 2

The computers are scheduled for replacement in our current fiscal year of 2023-24. After careful consideration and product review, we have decided to transition from the Fujitsu devices to Getac K120 laptop computers. The Police Department has experienced a host of issues with the Fujitsu tablets, resulting in our transition to the Getac device. The Fujitsu tablets tend to run slow and have had screen issues during use. Furthermore, these tablets do not allow for a streamlined use of multiple computer screens without experiencing a malfunction. The Fujitsu tablets often required service, were out of rotation, and had chronic battery issues. Overall, the Fujitsu tablets are less dependable, lacked durability and efficiency for internal Department use and field operations.

The Police Department has reviewed several computer options with Prescient representatives and determined the Getac K120 computers provide the best functionality for the needs of the Department. The Getac K120 laptops are rugged- laptop computers that can be converted for tablet use, as an option, as similar to the Fujitsu tablet. The Getac K120 laptop's rugged hardware allows for durability, dependability, and efficiency. Another benefit of the Getac laptop is that the device comes with a detachable keyboard option and docking station. This device can be placed in a docking station in the offices of the police administrators, detectives, and the CSO's.

Additionally, the purchasing and use of the Getac K120 will allow for consistency of maintenance through our Information Technology provider, Prescient Solutions. This laptop is a tested device and is currently used by the Flossmoor Fire Department. This device comes with high reviews from Prescient staff and the Flossmoor Fire Department staff who use it in the field. The Fire Department has had positive experiences with the Getac warranties, and in rare cases when the equipment needed to be repaired, Getac has turned around the repairs within five days.

The installation of the in-car laptop computers will be handled through Public Safety Direct (PSD), which is the company that outfits our patrol vehicles with emergency equipment technology. The total cost of removal of the current computer equipment and installation of the new devices is \$1,060.00. Prescient requested bids from multiple vendors, and the lowest bid submitted was by CDW-G. The laptop computers are priced at \$2,557.45 each, totaling \$33,246.85. CDW-G is offering the Getac K120 laptop computers, detachable keyboards, office docking stations, vehicle docking stations, vehicle adapters, and extended warranties for \$57,010.31. The warranties will cover all components of the computers for five years, which is the expected life span of the devices.

The FY23-24 Capital Equipment Schedule allows for the purchase of the laptop computers with a budget allotment of \$59,500.00. Based on this information, I am recommending that the Village Board approve the Village Manager to purchase thirteen (13) Getac K120 laptop computers, detachable keyboards, office docking stations, vehicle docking stations, vehicle adapters, and extended warranty package from CDW-G in the amount of \$57,010.31.



Thank you for choosing CDW. We have received your quote.

Hardware Software Services IT Solutions Brands Research Hub

QUOTE CONFIRMATION

KEITH TAYLOR,

Thank you for considering CDW•G for your technology needs. The details of your quote are below. **If you are an eProcurement or single sign on customer, please log into your system to access the CDW site.** You can search for your quote to retrieve and transfer back into your system for processing.

For all other customers, click below to convert your quote to an order.

Convert Quote to Order

QUOTE #	QUOTE DATE	QUOTE REFERENCE	CUSTOMER #	GRAND TOTAL
NPQW752	10/18/2023	NPQW752	0338385	\$57,010.31

QUOTE DETAILS

ITEM	QTY	CDW#	UNIT PRICE	EXT. PRICE
Getac 2.0 Detachable Keyboard for K120 Rugged Tablet Mfg. Part#: GDKBUI Contract: MARKET	6	7388104	\$396.50	\$2,379.00
Getac Office Dock - Laptop Mode - docking station - VGA, HDMI - Gige Mfg. Part#: GDODU6 Contract: MARKET	5	6594091	\$352.34	\$1,761.70
Getac 120W 11-16V 22-32V DC Vehicle Adapter Mfg. Part#: GAD2X8 Contract: MARKET	10	5522532	\$105.00	\$1,050.00
IKey SB-87-TP-USB - keyboard Mfg. Part#: SB-87-TP-USB UNSPSC: 43211706 Contract: MARKET	1	3124186	\$355.00	\$355.00
GETAC K120R I7-1165G7 256 16 W11 Mfg. Part#: KP8764VAX6XX Contract: MARKET	13	7625744	\$2,557.45	\$33,246.85
Getac Extended Warranty - extended service agreement - 2 years - 4th 5th yr Mfg. Part#: GE-HAKEEXT2Y Electronic distribution - NO MEDIA Contract: MARKET	10	7627225	\$304.90	\$3,049.00
Getac Extended Warranty - extended service agreement - 4 years - years 2nd Mfg. Part#: GE-SVKBEXT4Y Electronic distribution - NO MEDIA	6	7627226	\$208.42	\$1,250.52

Attachment: CDW QUOTE (Police Department Laptop Computer Replacement)

QUOTE DETAILS (CONT.)

Contract: MARKET

Havls DS-GTC-901 - docking station - VGA, HDMI - 10Mb LAN	10	5801151	\$683.09	\$6,830.90
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Mfg. Part#: OHHGTC901

Contract: MARKET

Getac Bumper to Bumper + Extended Warranty - extended service agreement - 2	13	3781296	\$545.18	\$7,087.34
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Mfg. Part#: GE-SVTBNFXSY

Electronic distribution - NO MEDIA

Contract: MARKET

SUBTOTAL	\$57,010.31
-----------------	-------------

SHIPPING	\$0.00
-----------------	--------

SALES TAX	\$0.00
------------------	--------

GRAND TOTAL	\$57,010.31
--------------------	--------------------

PURCHASER BILLING INFO

Billing Address:
 VILLAGE OF FLOSSMOOR
 ACCOUNTS PAYABL
 2800 FLOSSMOOR RD
 FLOSSMOOR, IL 60422-1186
Phone: (708) 798-2300
Payment Terms: NET 30-VERBAL

DELIVER TO

Shipping Address:
 VILLAGE OF FLOSSMOOR
 2800 FLOSSMOOR RD
 FLOSSMOOR, IL 60422-1186
Phone: (708) 798-2300
Shipping Method: DROP SHIP-COMMON CARRIER

Please remit payments to:

CDW Government
 75 Remittance Drive
 Suite 1515
 Chicago, IL 60675-1515

**Sales Contact Info**

Sam Raes | (877) 465-3134 | sam.raes@cdwg.com

LEASE OPTIONS

FMV TOTAL	FMV LEASE OPTION	BO TOTAL	BO LEASE OPTION
\$57,010.31	\$1,528.45/Month	\$57,010.31	\$1,765.61/Month

Monthly payment based on 36 month lease. Other terms and options are available. Contact your Account Manager for details. Payment quoted is subject to change.

Why finance?

- **Lower Upfront Costs.** Get the products you need without impacting cash flow. Preserve your working capital and existing credit line.
- **Flexible Payment Terms.** 100% financing with no money down, payment deferrals and payment schedules that match your company's business cycles.
- **Predictable, Low Monthly Payments.** Pay over time. Lease payments are fixed and can be tailored to your budget levels or revenue streams.
- **Technology Refresh.** Keep current technology with minimal financial impact or risk. Add-on or upgrade during the lease term and choose to return or purchase the equipment at end of lease.
- **Bundle Costs.** You can combine hardware, software, and services into a single transaction and pay for your software licenses over time! We know your challenges and understand the need for flexibility.

General Terms and Conditions:

This quote is not legally binding and is for discussion purposes only. The rates are estimate only and are based on a collection of industry data from numerous sources. All rates and financial quotes are subject to final review, approval, and documentation by our leasing partners. Payments above exclude all applicable taxes. Financing is subject to credit approval and review of final equipment and services configuration. Fair Market Value leases are structured with the assumption that the equipment has a residual value at the end of the lease term.

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This order is subject to CDW's Terms and Conditions of Sales and Service Projects at
<http://www.cdwg.com/content/terms-conditions/product-sales.aspx>

For more information, contact a CDW account manager

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TO: Bridget Wachtel, Village Manager
CC: Scott Bordui
FROM: John Brunke, Public Works Director
DATE: November 6, 2023
SUBJECT: Consideration of a Contract and Budget Amendments
 for the Phase 2 Engineering for the CBD Roadway,
 Pedestrian and Streetscape Improvements Project



FLOSSMOOR

Background

The Phase 1 Engineering for the Central Business District Roadway, Pedestrian and Streetscape Improvements project is progressing well. Staff recently heard that IDOT has given verbal approval of the Phase 1 Engineering, which is good news. We are now ready to move ahead with the Phase 2 Engineering for the project.

As you may recall, the Village has been awarded a Cook County Invest-in-Cook grant for 50% of the Phase 2 Engineering up to a not-to-exceed amount of \$55,000, and an IDOT ITEP grant for 80% of the Phase 3 Construction and Construction Engineering up to a not-to-exceed amount of \$1,184,456. The Village will be responsible for the balance of the Phase 2 Engineering and Phase 3 Construction and Construction Engineering costs.

Phase 2 Engineering Agreement

Attached for your review is an agreement from Baxter & Woodman Consulting Engineers for the Phase 2 Engineering Services. The total cost plus fixed fee not-to-exceed of the proposal is \$149,814.00. The Phase 2 Engineering cost is slightly higher than originally estimated because there will be extra cost for the landscape architect services and the design of the proposed relocation of the 15-inch sanitary sewer from under the Civic Center Complex which will be completed with the project. The following is a list of the scope of services for the proposal:

1. Early Coordination and Data Collection - Collect existing data (i.e. existing studies, maps, crash data), field evaluation of existing conditions, traffic count collection, and utility coordination.
2. Geotechnical Investigation - Perform pavement cores and soil borings in the project area as required to identify any unsuitable soils. This work will be subcontracted.
3. Environmental Coordination and Permitting - Coordinate project permitting with the Cook County Department of Transportation and Highways and Illinois Environmental Protection Agency.
4. Preliminary Site Investigation (PSI) - Work with subconsultant to have soil samples analyzed by laboratory to identify any regulated chemicals or metals in the soil that may affect normal disposal of construction waste from the project.
5. Plan Preparation - Prepare the final project engineering plans for construction. This

includes the streetscape and landscape plans that will be prepared by the landscape architect subcontractor, Teska Associates.

6. QA/QC - Perform in-house peer review and milestone reviews by senior staff during the project plans development.
7. Assist Bidding - Provide bid process assistance to the Village.
8. Project Meetings and Public Involvement - Coordinate and attend up to 13 anticipated public and agency meetings as required for the project. This includes 5 meetings with property owners, FBA, and Village Staff to discuss project design and features to seek input.
9. Project Management - Plan, schedule, and control activities to keep project on track and within budget, schedule and scope.
10. Project Deliverables - Produce all necessary project deliverables for the Village.

Due to the project receiving ITEP grant funding, there are additional project steps and review periods that cannot be avoided with IDOT. This has caused the project to be delayed and extended. Below is a summary of the current project schedule. The schedule results in the project not being completed until the summer of 2025.

- Notice to Proceed with Phase 2 Engineering - November 7, 2023
- Kickoff Meeting - December 2023
- Streetscape Alternatives Meeting - February 2024
- Preliminary Design Meeting - May 2024
- Prefinal Village PS&E Submittal - August 31, 2024
- Prefinal IDOT PS&E Submittal - September 20, 2024
- Final Village PS&E Submittal - November 4, 2024
- Final IDOT PS&E Submittal - November 25, 2024
- IDOT State Letting - March 7, 2025
- Construction Start - June 2025

This agreement has been reviewed by Public Works Staff. Baxter & Woodman Consulting Engineers completed the Phase 1 Engineering and the preliminary CBD Traffic Analysis, which resulted in much needed temporary safety improvements. Their work on civil and traffic work in the Village has been excellent, and Public Works Staff is recommending their services for this project.

Budget Amendments

The status of the ITEP and Invest-in-Cook grants were unknown at the time of the FY24 Budget preparation. Therefore, no funds were budgeted for the Phase 2 Engineering because we did not know that we would be proceeding with the project this fiscal year. Now that both grants have been awarded, funds need to be budgeted for the Phase 2 Engineering so that this task

can be started this year. Staff discussed the funding for the Phase 2 Engineering and determined that the best course of action would be to budget the Invest-in-Cook portion (\$55,000) to the General Fund, with an offsetting grant revenue, and budget the balance to the MFT fund since that fund has ample fund balance. This will provide some relief to the General Fund. Attached is an IDOT Resolution that must be passed to utilize the MFT fund for this project. Below is a summary of the proposed budget amendments for the Phase 2 Engineering.

<u>Budget Line</u>	<u>Line Item Name</u>	<u>Amount</u>
01-55-7-762	CBD Streetscape Improvements	\$55,000
01-00-3-442	Cook Co. - Invest in Cook CBD Grant	\$55,000
02-01-7-762	CBD Streetscape Improvements (new line)	\$94,814

Recommendation

Based on the information above, Public Works Staff recommends that the Mayor and Board of Trustees approve the attached Phase 2 Engineering Agreement with Baxter & Woodman Consulting Engineers for a not-to-exceed amount of \$149,814.00, approve budget amendments to line 01-55-7-762 in the amount of \$55,000, line 01-00-3-442 in the amount of \$55,000, new line 02-01-7-762 in the amount of \$94,814, and the attached IDOT Resolution for Section 19-00051-00-CH.



Using Federal Funds? ☐ Yes ☒ No	Agreement For MFT PE	Agreement Type Original
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LOCAL PUBLIC AGENCY

Local Public Agency Village of Flossmoor	County Cook	Section Number 19-00051-00-CH	Job Number
Project Number	Contact Name John Brunke	Phone Number (708) 957-4100	Email jbrunke@flossmoor.org

SECTION PROVISIONS

Local Street/Road Name CBD Reconstruction	Key Route n/a	Length 1,500	Structure Number n/a
Location Termini Central Business District, centered on the intersection of Park Dr., Sterling Ave., and Central Dr.			Add Location Remove Location

Project Description

Project consists of Phase II Engineering for the proposed CBD Roadway, Pedestrian, and Streetscape Improvements in the Village of Flossmoor. Engineer's project number 0180131.00

Engineering Funding	☐ MFT/TBP	☐ State	☒ Other	Invest in Cook & Corporate
Anticipated Construction Funding	☒ Federal	☐ MFT/TBP	☐ State	☐ Other

AGREEMENT FOR

☐ Phase I - Preliminary Engineering ☒ Phase II - Design Engineering

CONSULTANT

Prime Consultant (Firm) Name Baxter & Woodman	Contact Name Dan Schug	Phone Number (815) 444-4454	Email dschug@baxterwoodman.com
Address 8678 Ridgefield Road	City Crystal Lake	State IL	Zip Code 60012

THIS AGREEMENT IS MADE between the above Local Public Agency (LPA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Project funding allotted to the LPA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT," will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Since the services contemplated under the AGREEMENT are professional in nature, it is understood that the ENGINEER, acting as an individual, partnership, firm or legal entity, qualifies for professional status and will be governed by professional ethics in its relationship to the LPA and the DEPARTMENT. The LPA acknowledges the professional and ethical status of the ENGINEER by entering into an AGREEMENT on the basis of its qualifications and experience and determining its compensation by mutually satisfactory negotiations.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer	Deputy Director, Office of Highways Project Implementation, Regional Engineer, Department of Transportation
Resident Construction Supervisor	Authorized representative of the LPA in immediate charge of the engineering details of the construction PROJECT
In Responsible Charge Contractor	A full time LPA employee authorized to administer inherently governmental PROJECT activities Company or Companies to which the construction contract was awarded

AGREEMENT EXHIBITS

The following EXHIBITS are attached hereto and made a part of hereof this AGREEMENT:

- ☒ EXHIBIT A: Scope of Services
- ☒ EXHIBIT B: Project Schedule
- ☒ EXHIBIT C: Qualification Based Selection (QBS) Checklist
- ☒ EXHIBIT D: Cost Estimate of Consultant Services (BLR 05513 or BLR 05514)
- ☐ EXHIBIT ____ : Direct Costs Check Sheet (attach BDE 436 when using Lump Sum on Specific Rate Compensation)
- ☒ Exhibit E Teska CECS
- ☒ Exhibit F SMC CECS
- ☐ _____

I. THE ENGINEER AGREES,

1. To perform or be responsible for the performance of the Scope of Services presented in EXHIBIT A for the LPA in connection with the proposed improvements herein before described.
2. The Classifications of the employees used in the work shall be consistent with the employee classifications and estimated staff hours. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
3. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections required as a result of the ENGINEER'S error, omissions or negligent acts without additional compensation. Acceptance of work by the LPA or DEPARTMENT will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or the responsibility for clarifying ambiguities.
4. That the ENGINEER will comply with applicable Federal laws and regulations, State of Illinois Statutes, and the local laws or ordinances of the LPA.
5. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LPA.
6. To invoice the LPA, The ENGINEER shall submit all invoices to the LPA within three months of the completion of the work called for in the AGREEMENT or any subsequent Amendment or Supplement.
7. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of US Department of Transportation (US DOT) assisted contract. Failure by the Engineer to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LPA deems appropriate.
8. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without written consent of the LPA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall be construed to relieve the ENGINEER of any responsibility for the fulfillment of this AGREEMENT.
9. For Preliminary Engineering Contracts:
 - (a) To attend meetings and visit the site of the proposed improvement when requested to do so by representatives of the LPA or the DEPARTMENT, as defined in Exhibit A (Scope of Services).
 - (b) That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed by the ENGINEER and affixed the ENGINEER's professional seal when such seal is required by law. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Professional Regulation of the State of Illinois. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the DEPARTMENT.
 - (c) That the ENGINEER is qualified technically and is thoroughly conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated in Exhibit A (Scope of Services).
10. That the engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with this AGREEMENT (See DIRECT COST tab in BLR 05513 or BLR 05514).

II. THE LPA AGREES,

1. To certify by execution of this AGREEMENT that the selection of the ENGINEER was performed in accordance with the Professional Services Selection Act (50 ILCS 510) (Exhibit C).
2. To furnish the ENGINEER all presently available survey data, plans, specifications, and project information.
3. To pay the ENGINEER:
 - (a) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
 - (b) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and DEPARTMENT a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER

Attachment: Agreement_FLSMR CBD - Phasell_ BLR 05530 (CBD Ph 2 Engineering Contract)

shall be due and payable to the ENGINEER.

(c) For Non-Federal County Projects - (605 ILCS 5/5-409)

- (1) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER. Such payments to be equal to the value of the partially completed work in all previous partial payments made to the ENGINEER.
- (2) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and STATE, a sum of money equal to the basic fee as determined in the AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

4. To pay the ENGINEER as compensation for all services rendered in accordance with the AGREEMENT on the basis of the following compensation method as discussed in 5-5.10 of the BLR Manual.

Method of Compensation:

- ☐ Percent
- ☐ Lump Sum
- ☐ Specific Rate
- ☒ Cost plus Fixed Fee: Fixed

Total Compensation = DL + DC + OH + FF

Where:

DL is the total Direct Labor,

DC is the total Direct Cost,

OH is the firm's overhead rate applied to their DL and

FF is the Fixed Fee.

Where $FF = (0.33 + R) DL + \%SubDL$, where R is the advertised Complexity Factor and %SubDL is 10% profit allowed on the direct labor of the subconsultants.

The Fixed Fee cannot exceed 15% of the DL + OH.

5. The recipient shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any US DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of US DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by US DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this AGREEMENT. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C 3801 et seq.).

III. IT IS MUTUALLY AGREED,

1. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amount, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General, and the DEPARTMENT; the Federal Highways Administration (FHWA) or any authorized representative of the federal government, and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the DEPARTMENT for the recovery of any funds paid by the DEPARTMENT under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
2. That the ENGINEER shall be responsible for any all damages to property or persons out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LPA, the DEPARTMENT, and their officers, agents and employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.

The LPA will notify the ENGINEER of any error or omission believed by the LPA to be caused by the negligence of the ENGINEER as soon as practicable after the discovery. The LPA reserves the right to take immediate action to remedy any error or omission if notification is not successful; if the ENGINEER fails to reply to a notification; or if the conditions created by the error or omission are in need of urgent correction to avoid accumulation of additional construction costs or damages to property and reasonable notice is not practicable.
3. This AGREEMENT may be terminated by the LPA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LPA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such materials becomes the property of the LPA. The LPA will be responsible for reimbursement of all eligible expenses incurred under the terms of this AGREEMENT up to the date of the written notice of termination.

4. In the event that the DEPARTMENT stops payment to the LPA, the LPA may suspend work on the project. If this agreement is suspended by the LPA for more than thirty (30) calendar days, consecutive or in aggregate, over the term of this AGREEMENT, the ENGINEER shall be compensated for all services performed and reimbursable expenses incurred prior to receipt of notice of suspension. In addition, upon the resumption of services the LPA shall compensate the ENGINEER, for expenses incurred as a result of the suspension and resumption of its services, and the ENGINEER's schedule and fees for the remainder of the project shall be equitably adjusted.
5. This AGREEMENT shall continue as an open contract and the obligations created herein shall remain in full force and effect until the completion of construction of any phase of professional services performed by others based upon the service provided herein. All obligations of the ENGINEER accepted under this AGREEMENT shall cease if construction or subsequent professional services are not commenced within 5 years after final payment by the LPA.
6. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and have harmless the LPA, the DEPARTMENT, and their officers, employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting there from. These indemnities shall not be limited by the listing of any insurance policy.
7. The ENGINEER and LPA certify that their respective firm or agency:
 - (a) has not employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for the LPA or the ENGINEER) to solicit or secure this AGREEMENT,
 - (b) has not agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
 - (c) has not paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for the LPA or the ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
 - (d) that neither the ENGINEER nor the LPA is/are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
 - (e) has not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.
 - (f) are not presently indicated for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph and
 - (g) has not within a three-year period preceding this AGREEMENT had one or more public transaction (Federal, State, local) terminated for cause or default.

Where the ENGINEER or LPA is unable to certify to any of the above statements in this clarification, an explanation shall be attached to this AGREEMENT.

8. In the event of delays due to unforeseeable causes beyond the control of and without fault or negligence of the ENGINEER no claim for damages shall be made by either party. Termination of the AGREEMENT or adjustment of the fee for the remaining services may be requested by either party if the overall delay from the unforeseen causes prevents completion of the work within six months after the specified completion date. Examples of unforeseen causes included but are not limited to: acts of God or a public enemy; acts of the LPA, DEPARTMENT, or other approving party not resulting from the ENGINEER's unacceptable services; fire; strikes; and floods.

If delays occur due to any cause preventing compliance with the PROJECT SCHEDULE, the ENGINEER shall apply in writing to the LPA for an extension of time. If approved, the PROJECT SCHEDULE shall be revised accordingly.

9. This certification is required by the Drug Free Workplace Act (30 ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the DEPARTMENT unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to suspension of contract on grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the DEPARTMENT for at least one (1) year but not more than (5) years.

For the purpose of this certification, "grantee" or "Contractor" means a corporation, partnership or an entity with twenty-five (25) or more employees at the time of issuing the grant or a department, division or other unit thereof, directly responsible for the specific performance under contract or grant of \$5,000 or more from the DEPARTMENT, as defined the Act.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- (a) Publishing a statement:
 - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
 - (2) Specifying actions that will be taken against employees for violations of such prohibition.
 - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
 - (a) abide by the terms of the statement; and
 - (b) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than (5) days after such conviction.
- (b) Establishing a drug free awareness program to inform employees about:
 - (1) The dangers of drug abuse in the workplace;

- (2) The grantee's or contractor's policy to maintain a drug free workplace;
 - (3) Any available drug counseling, rehabilitation and employee assistance program; and
 - (4) The penalties that may be imposed upon an employee for drug violations.
- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
 - (d) Notifying the contracting, or granting agency within ten (10) days after receiving notice under part (b) of paragraph (3) of subsection (a) above from an employee or otherwise, receiving actual notice of such conviction.
 - (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program.
 - (f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.

Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act, the ENGINEER, LPA and the Department agree to meet the PROJECT SCHEDULE outlined in EXHIBIT B. Time is of the essence on this project and the ENGINEER's ability to meet the PROJECT SCHEDULE will be a factor in the LPA selecting the ENGINEER for future projects. The ENGINEER will submit progress reports with each invoice showing work that was completed during the last reporting period and work they expect to accomplish during the following period.

- 10. Due to the physical location of the project, certain work classifications may be subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.).
- 11. For Preliminary Engineering Contracts:
 - (a) That tracing, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LPA and that basic survey notes, sketches, charts, CADD files, related electronic files, and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request to the LPA or to the DEPARTMENT, without restriction or limitation as to their use. Any re-use of these documents without the ENGINEER involvement shall be at the LPA's sole risk and will not impose liability upon the ENGINEER.
 - (b) That all reports, plans, estimates and special provisions furnished by the ENGINEER shall conform to the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Manual or any other applicable requirements of the DEPARTMENT, it being understood that all such furnished documents shall be approved by the LPA and the DEPARTMENT before final acceptance. During the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.

AGREEMENT SUMMARY

Prime Consultant (Firm) Name	TIN/FEIN/SS Number	Agreement Amount
Baxter & Woodman	36-2845242	\$94,981.00
Subconsultants	TIN/FEIN/SS Number	Agreement Amount
Teska and Associates	36-3051497	\$46,891.00
Soil and Material Consultants	36-3094075	\$7,942.00
Subconsultant Total		\$54,833.00
Prime Consultant Total		\$94,981.00
Total for all work		\$149,814.00

Attachment: Agreement_FLSMR CBD - Phasel - BLR 05530 (CBD Ph 2 Engineering Contract)

AGREEMENT SIGNATURES

Executed by the LPA:

Attest: The

 of

By (Signature & Date)

By (Signature & Date)

Local Public Agency

Village of Flossmoor

Local Public Agency Type

Village

Clerk

Title

(SEAL)

Executed by the ENGINEER:

Attest:

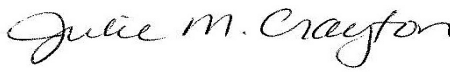
By (Signature & Date)

	10/27/23
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Title

Associate Vice President

By (Signature & Date)

	10/27/23
---	----------

Title

Deputy Secretary

APPROVED:

Regional Engineer, Department of Transportation (Signature & Date)

Attachment: Agreement_FLSMR CBD - Phasell_ BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Village of Flossmoor	Baxter & Woodman	Cook	19-00051-00-CH

EXHIBIT A SCOPE OF SERVICES

To perform or be responsible for the performance of the engineering services for the LPA, in connection with the PROJECT herein before described and enumerated below

LOCATION:

This Project is located within the Village of Flossmoor's Central Business District, and is centered at the intersection of Park Drive, Sterling Avenue, and Central Drive. The project will include roadway, pedestrian, and streetscape improvements along Park Drive, Sterling Avenue, Central Drive, and Flossmoor Road within the Village's right of way. The total project length is approximately 1,500 feet.

PROJECT UNDERSTANDING

This Project involves Phase II Design Engineering for roadway reconstruction, pedestrian, and streetscape improvements of the Village's Central Business District (CBD) roadway and pedestrian network. The Project will include streetscape improvements such as decorative sidewalk and crosswalk treatments, tree and tree grate replacement, benches, bike racks, a gateway feature, and landscaping enhancements.

The Project will utilize federal funding and be processed through the IDOT District 1 Bureau of Local Roads and Streets.

DEFINITIONS:

Engineers - Baxter & Woodman, Inc.
Local Public Agency (LPA) – Village of Flossmoor

SCOPE OF SERVICES:

1. EARLY COORDINATION AND DATA COLLECTION

1.1 Data Collection: Obtain, review and evaluate the following information provided by the LPA for use in design:

- A. Utility Atlases
- B. GIS Shape files surrounding the project limits
- C. Aerial Photography
- D. Maintenance and flooding records
- E. Right-of-Way, GIS, and property data

1.2 Field evaluation: Collect and record field data for structural, roadway, drainage, utility, and pavement analysis for use in design. Observe and photograph the project area and immediate surroundings.

1.3 Planning Agency Coordination: Prepare and maintain the Project Program Information (PPI) and Project Update forms, and coordinate the status of the Project with the South Suburban Mayors & Managers Association.

1.4 Utility Locates & Coordination: Contact J.U.L.I.E. to identify utilities that have facilities along the project limits. Request utility atlas maps and plot approximate locations and sizes of existing utilities in electronic drawings. Submit preliminary and final plans to utility companies so conflicts and relocation efforts can be identified. Provide ongoing reviews of permitting and utility relocation efforts as requested by the LPA. Prepare "Status of Utilities to be Adjusted" special provision in accordance with IDOT District 1 requirements, which provides the contractor with the duration of utility relocation work, status of utilities to be watched and protected within the project limits, and pertinent information for the contractor to develop a work schedule to meet the requirements

Attachment: Agreement_FLSMR CBD - Phasel_ BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Village of Flossmoor	Baxter & Woodman	Cook	19-00051-00-CH

for the project.

1.5 Supplemental Survey: As approved by the LPA, provide additional topographic survey for sidewalk ramp areas adjacent to buildings and sanitary sewer locations.

2. GEOTECHNICAL INVESTIGATION

2.1. Pavement Cores and Soil Borings: Utilize Soil and Material Consultants to take pavement cores of the surface and base material for determining the composition of the existing pavement material within the project limits. Collect 10-foot pavement borings at 300-foot spacing on alternating sides of the pavement centerline and obtain topsoil thicknesses at select locations. Geotechnical sub-consultant will provide analysis and recommendations, including subgrade improvements, in a soils report in accordance with IDOT guidelines. Baxter & Woodman will provide a boring and core location map prior to this work. (5 cores and 3 borings estimated).

2.2. Pavement Design: Design the proposed pavement and base course material and thicknesses, and subgrade treatments (if applicable) in accordance with recommendations from the soils report and IDOT Bureau of Local Roads Chapter 44.

3. ENVIRONMENTAL COORDINATION AND PERMITTING

3.1. Watershed Management Ordinance: Coordinate with MWRD to confirm no permit for this project. This project falls under maintenance activities for replacement of existing impervious areas.

3.2. County Highway Permit: Submit a Cook County Department of Transportation and Highways construction permit for the improvements on Flossmoor Road.

3.3. NPDES, SWPPP, IEPA: Complete SWPPP and NOI and obtain NPDES permit from IEPA.

Agency review fees are not included within this agreement and shall be paid for separately by the LPA.

4. PRELIMINARY SITE INVESTIGATION (PSI)

4.1 Sample Collection: Collect up to six samples of subsurface soil from site, preserve samples, and transport to environmental laboratory for analytical testing. Laboratory analyses will include BTEX, PNAs, RCRA Metals, TCCL Metals, SPLP Metals, Soils pH.

4.2 PSI Report: Prepare a letter report summarizing the activities and results of the investigation. The report will include pertinent laboratory testing results. It will also provide a summary of conclusions from the information collected and identify which IDOT pay should be included in the construction documents for disposing of Regulated Substances.

4.3 Soil Disposal: Identify any areas from which excavated material may be classified as Clean Construction or Demolition Debris (CCDD) and if applicable prepare an IEPA LPC-663 form.

5. PLAN PREPARATION

5.1 Estimate of Cost and Time: Prepare summary of quantities, estimate of time, schedules of materials and an engineer's estimate of cost.

5.2 Specifications: Prepare special provisions in accordance with LPA guidelines to specify items not covered by the IDOT Standard Specifications for Road and Bridge Construction.

Attachment: Agreement_FLSMR CBD - Phasel - BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Village of Flossmoor	Baxter & Woodman	Cook	19-00051-00-CH

5.3 Roadway Design: Prepare plan and profile sheets for the roadway design including improvement limits, stations and offset callouts, label construction limit locations and right of way breaks, rehabilitation strategy, curb and gutter and sidewalk improvements, driveway repairs, utility structure adjustments, pavement marking, and note special instructions to the Contractor. Separate removal sheets will be prepared for this project.

5.4 Drainage and Utilities Design: Prepare the inlet and storm sewer design for the proposed improvements. It is assumed that the project outfalls will be maintained and not modified as part of this project.

5.5 Maintenance of Traffic and Construction Staging: Develop a preferred maintenance of traffic and staging plan and submit to the LPA for comment and approval. Identify the preferred strategy for maintaining traffic and driveway access. Complete a design of the preferred staging plan which may include a detour or staged construction. Prepare construction staging notes, typical sections, and layout to maintain local traffic flow through the construction zone. Confer with LPA staff, emergency services, and public transportation agencies to consider local impacts and concerns.

5.6 Erosion Control Plans: Prepare an erosion control plan for the improvement.

5.7 Streetscape and Landscape Design: Utilize Teska and Associates to design landscape trees and plantings, tree grates/boxes, bike racks, benches, trash cans, decorative sidewalks and truck aprons, crosswalks, and parking areas. Develop streetscape details for proposed streetscape amenities and brick paver patterns. The existing landscaping in the center teardrop island is expected to remain. Existing wayfinding signage is anticipated to be relocated. Based on a Village kick off meeting, three alternatives will be developed and presented to the Village.

5.8 Street Lighting Plans: Existing streetlights are to remain with minor vertical and horizontal adjustments where required for construction staging. Photometric calculations are not anticipated.

5.9 Sanitary Sewer Relocation: Prepare a design of the sanitary sewer rerouting around the civic center building in compliance with Illinois Environmental Protection Agency.

5.10 Cross Section Design: Design roadway cross sections at 50-foot intervals and all cross streets and driveways. Compute earthwork calculations. Stage construction earthwork calculations are not anticipated.

5.11 Detailed Drawings: Complete plan sheets required for bidding including: Cover, General Notes, Summary of Quantities, Schedule of Quantities, Typical Sections, Erosion Control, Removals, Plan and Profile, Drainage and Utility, Pavement Markings, Streetscape, Design Details, and Cross Sections.

6. QA/QC - Perform in-house peer and milestone reviews by senior staff during project initiation, preliminary, pre-final, and final submittals. Provide ongoing reviews of permitting and utility coordination efforts. Conduct milestone reviews of subconsultants and provide feedback throughout the progress of work.

7. ASSIST BIDDING - Provide design assistance and clarification for bid documents. Assist the LPA with coordination and scheduling during the bid process. Prepare addendums as necessary and make a recommendation to the LPA for an award of contract.

8. PROJECT MEETINGS AND PUBLIC INVOLVEMENT

8.1 Project Meetings: The following meetings are anticipated for this project:

- A. LPA (4 total) (Kickoff, Streetscape alternatives, Preliminary, Pre-final)
- B. Regulatory Agencies (1 total): Cook County DoTH (1)
- C. IDOT (2) (Kickoff and Review)
- D. Individual Property Meetings (5 total)

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Village of Flossmoor	Baxter & Woodman	Cook	19-00051-00-CH

8.2 Public Outreach:

A. Public Involvement was performed during Phase I. No public involvement is anticipated for Phase II. LPA meetings for kickoff, Streetscape alternatives, and Preliminary are anticipated to include key stakeholders.

9. PROJECT MANAGEMENT - Plan, schedule, and control the activities that must be performed to complete the project including budget, schedule, and scope. Coordinate with LPA and project team to ensure the goals of the project are achieved. Prepare and submit monthly invoices, coordinate invoices from sub-consultants, and provide a monthly status report via email describing tasks completed the previous month and outlining goals for the subsequent month.

10. PROJECT DELIVERABLES

10.1 Deliverables: The following is a list of anticipated final deliverables to the LPA for this project:

- A. Electronic DGN, Geopak, Digital Photos, and GIS files used in project development including Plan, Profiles, Cross Sections, Survey, and Exhibits.
- B. Electronic Record of Design files including agency correspondence, Project Reports and Models, Estimates, Exhibits, and related electronic submittals (pdf or as appropriate). Baxter & Woodman utilizes an electronic filing system in lieu of hard copies.

10.2 Not Included: The following items are not included within the scope of this project, but can be provided as additional services to the contract:

- A. Permit Review fees
- B. ROW Acquisition services including title commitments, Plats, Legals, Appraisals, Negotiations

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Village of Flossmoor	Baxter & Woodman	Cook	19-00051-00-CH

**EXHIBIT B
PROJECT SCHEDULE**

Notice to Proceed: November 7, 2023
 Kickoff Meeting: December, 2023
 Streetscape Alternatives Meeting: February 2024
 Preliminary Design Meeting: May 2024
 Prefinal Village PS&E Submittal: August 31, 2024
 Prefinal IDOT PS&E Submittal: September 20, 2024
 Final Village PS&E Submittal: November 4, 2024
 Final IDOT PS&E Submittal: November 25, 2024
 IDOT State Letting: March 7, 2025
 Construction: June 2025

Attachment: Agreement_FLSMR CBD - PhaselI_ BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Village of Flossmoor	Baxter & Woodman	Cook	19-00051-00-CH

Exhibit C
Qualification Based Selection (QBS) Checklist

The LPA must complete Exhibit D. If the value meets or will exceed the threshold in 50 ILCS 510, QBS requirements must be followed. Under the threshold, QBS requirements do not apply. The threshold is adjusted annually. If the value is under the threshold with federal funds being used, federal small purchase guidelines must be followed.

☒ Form Not Applicable (engineering services less than the threshold)



COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

EXHIBIT D

12.a

FIXED RAISE

Local Public Agency

Village of Flossmoor

County

Cook

Section Number

19-00051-00-CH

Prime Consultant (Firm) Name

Baxter & Woodman

Prepared By

Dan Schug

Date

10/27/2023

Consultant / Subconsultant Name

Job Number

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

Phase II Engineering

PAYROLL ESCALATION TABLE

CONTRACT TERM 15 MONTHS
START DATE 12/1/2023
RAISE DATE 1/1/2024
END DATE 2/28/2025

OVERHEAD RATE 154.30%
COMPLEXITY FACTOR
% OF RAISE 2.00%

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	12/1/2023	1/1/2024	1	6.67%
1	1/2/2024	1/1/2025	12	81.60%
2	1/2/2025	3/1/2025	2	13.87%

Local Public Agency	County	Section Number
Village of Flossmoor	Cook	19-00051-00-CH
Consultant / Subconsultant Name		Job Number

PAYROLL RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

MAXIMUM PAYROLL RATE	86.00
ESCALATION FACTOR	2.14%

CLASSIFICATION	IDOT PAYROLL RATES ON FILE	CALCULATED RATE
Executive Vice President	\$84.67	\$86.00
Vice President	\$76.50	\$78.14
Engineer VII	\$69.18	\$70.66
Engineer VI	\$68.66	\$70.13
Engineer V	\$61.11	\$62.42
Engineer IV	\$51.56	\$52.66
Engineer III	\$43.07	\$43.99
Engineer II	\$37.74	\$38.55
Engineer I	\$32.03	\$32.72
Environ. Scientist V	\$59.25	\$60.52
Environ. Scientist II	\$37.25	\$38.05
Natural Resources Mngr.	\$52.00	\$53.11
Engineer Tech V	\$55.25	\$56.43
Engineer Tech IV	\$47.38	\$48.39
Engineer Tech III	\$39.15	\$39.99
Engineer Tech II	\$31.75	\$32.43
Engineer Tech I	\$25.50	\$26.05
Spatial Tech. Manager	\$60.75	\$62.05
Spatial Tech. Prof. III	\$47.00	\$48.01
Spatial Tech. Prof. II	\$33.63	\$34.35
Survey Manager	\$49.00	\$50.05
Surveyor, Project	\$39.08	\$39.92
Survey Tech.	\$26.00	\$26.56
CADD Technician III	\$45.00	\$45.96
Marketing Prof. IV	\$45.67	\$46.65
Marketing Prof. III	\$37.88	\$38.69
Admin. Support IV	\$43.63	\$44.56

Attachment: Agreement_FLSMR CBD - PhaselI_ BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency	County	Section Number
Village of Flossmoor	Cook	19-00051-00-CH
Consultant / Subconsultant Name		Job Number

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.

Attachment: Agreement_FLSMR CBD - PhaseII_BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency

Village of Flossmoor

County

Cook

Section Number

12.a

19-00051-00-CH

Consultant / Subconsultant Name

Job Number

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	300	\$0.66	\$196.50
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	2	\$65.00	\$130.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost	1	\$2,914.00	\$2,914.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00

TOTAL DIRECT COSTS: \$3,240.50

BLR 05514 (Rev. 02/09/23)

Local Public Agency

Village of Flossmoor

County

Cook

Section Number

19-00051-00-CH

Consultant / Subconsultant Name

Job Number

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			Early Coord. and Data Collection			Geotechnical Investigation			Environmental Coord. and Permitting			Preliminary Site Investigation			Plan Preparation		
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Executive Vice President	86.00	0.0																	
Vice President	78.14	4.0	0.59%	0.46															
Engineer VII	70.66	42.0	6.22%	4.40	2	4.55%	3.21										12	2.79%	1.
Engineer VI	70.13	0.0																	
Engineer V	62.42	12.0	1.78%	1.11							4	9.52%	5.94				8	1.86%	1.
Engineer IV	52.66	158.0	23.41%	12.33	8	18.18%	9.58	2	33.33%	17.55	22	52.38%	27.59				44	10.23%	5.
Engineer III	43.99	98.0	14.52%	6.39				4	66.67%	29.33	12	28.57%	12.57				82	19.07%	8.
Engineer II	38.55	148.0	21.93%	8.45													148	34.42%	13
Engineer I	32.72	58.0	8.59%	2.81	12	27.27%	8.92										46	10.70%	3.
Environ. Scientist V	60.52	2.0	0.30%	0.18										2	5.71%	3.46			
Environ. Scientist II	38.05	30.0	4.44%	1.69										30	85.71%	32.61			
Natural Resources Mngr.	53.11	0.0																	
Engineer Tech V	56.43	0.0																	
Engineer Tech IV	48.39	14.0	2.07%	1.00	8	18.18%	8.80										6	1.40%	0.
Engineer Tech III	39.99	0.0																	
Engineer Tech II	32.43	0.0																	
Engineer Tech I	26.05	0.0																	
Spatial Tech. Manager	62.05	10.0	1.48%	0.92	10	22.73%	14.10												
Spatial Tech. Prof. III	48.01	0.0																	
Spatial Tech. Prof. II	34.35	0.0																	
Survey Manager	50.05	0.0																	
Surveyor, Project	39.92	0.0																	
Survey Tech.	26.56	0.0																	
CADD Technician III	45.96	96.0	14.22%	6.54	4	9.09%	4.18				4	9.52%	4.38				84	19.53%	8.
Marketing Prof. IV	46.65	0.0																	
Marketing Prof. III	38.69	0.0																	
Admin. Support IV	44.56	3.0	0.44%	0.20										3	8.57%	3.82			
TOTALS		675.0	100%	\$46.47	44.0	100.00%	\$48.79	6.0	100%	\$46.88	42.0	100%	\$50.48	35.0	100%	\$39.89	430.0	100%	\$46.47

Attachment: Agreement_FLSMR CBD - Phasel1_BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency

Village of Flossmoor

County

Cook

Section Number

19-00051-00-CH

Consultant / Subconsultant Name**Job Number****AVERAGE HOURLY PROJECT RATES****EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET**SHEET 2 OF 2

PAYROLL CLASSIFICATION	AVG HOURLY RATES	QA/QC			Assist Bidding			Project Meetings			Project Management								
		Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	Wgt'd Avg	Hours	% Part.	W A
Executive Vice President	86.00																		
Vice President	78.14	4	14.29%	11.16															
Engineer VII	70.66	8	28.57%	20.19				16	33.33%	23.55	4	11.76%	8.31						
Engineer VI	70.13																		
Engineer V	62.42																		
Engineer IV	52.66	16	57.14%	30.09	8	100.00%	52.66	28	58.33%	30.72	30	88.24%	46.47						
Engineer III	43.99																		
Engineer II	38.55																		
Engineer I	32.72																		
Environ. Scientist V	60.52																		
Environ. Scientist II	38.05																		
Natural Resources Mngr.	53.11																		
Engineer Tech V	56.43																		
Engineer Tech IV	48.39																		
Engineer Tech III	39.99																		
Engineer Tech II	32.43																		
Engineer Tech I	26.05																		
Spatial Tech. Manager	62.05																		
Spatial Tech. Prof. III	48.01																		
Spatial Tech. Prof. II	34.35																		
Survey Manager	50.05																		
Surveyor, Project	39.92																		
Survey Tech.	26.56																		
CADD Technician III	45.96							4	8.33%	3.83									
Marketing Prof. IV	46.65																		
Marketing Prof. III	38.69																		
Admin. Support IV	44.56																		
TOTALS		28.0	100%	\$61.44	8.0	100%	\$52.66	48.0	100%	\$58.10	34.0	100%	\$54.78	0.0	0%	\$0.00	0.0	0%	\$0.00

Attachment: Agreement_FLSMR CBD - Phasel II BLR 05530 (CBD Ph 2 Engineering Contract)



COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

Exhibit E

12.a

FIXED RAISE

Local Public Agency

Village of Flossmoor

County

Cook

Section Number

Prime Consultant (Firm) Name

Baxter + Woodman, Inc.

Prepared By

Jodi Mariano

Date

10.25.23

Consultant / Subconsultant Name

Teska Associates

Job Number

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks

Village of Flossmoor - CBD Reconstruction and Streetscape

PAYROLL ESCALATION TABLE

CONTRACT TERM 15 MONTHS
START DATE 1/1/2024
RAISE DATE 1/1/2025
END DATE 3/31/2025

OVERHEAD RATE 113.02%
COMPLEXITY FACTOR 0
% OF RAISE 2.00%

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	1/1/2024	1/1/2025	12	80.00%
1	1/2/2025	4/1/2025	3	20.40%

Section Number

Cook

Job Number

--

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET FIXED RAISE

86.00

0.40%

[illegible]

Attachment: Agreement_FLSMR CBD - PhaseII_ BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency	County	Section Number
Village of Flossmoor	Cook	
Consultant / Subconsultant Name		Job Number
Teska Associates		

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.

Attachment: Agreement_FLSMR CBD - PhaseII_BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency

Village of Flossmoor

County

Cook

Section Number

12.a

Consultant / Subconsultant Name

Teska Associates

Job Number

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	400	\$0.60	\$240.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)	40	\$9.00	\$360.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00

TOTAL DIRECT COSTS: \$600.00

BLR 05514 (Rev. 02/09/23)

Village of Flossmoor

Cook

Teska Associates

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

COMPLEXITY FACTOR 0

40,253

BLR 05514 (Rev. 02/09/23)

Local Public Agency

Village of Flossmoor

County

Cook

Section Number

Job Number

Consultant / Subconsultant Name

Teska Associates

AVERAGE HOURLY PROJECT RATES

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 OF 1

PAYROLL CLASSIFICATION	AVG HOURLY RATES	TOTAL PROJ. RATES			TASK 1: DATA COLLECTION AND EVALUATION			TASK 2: STREETSCAPE PLAN DEVELOPMENT			TASK 3: MEETINGS			TASK 4: ADMINISTRATION, MANAGEMENT AND QA/QC					
		Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg	Hours	% Part.	Wgtd Avg
Principal/PM	73.42	82.0	25.63%	18.81	8	25.00%	18.36	30	15.00%	11.01	28	50.00%	36.71	16	50.00%	36.71			
Landscape Architect	58.31	122.0	38.13%	22.23	8	25.00%	14.58	70	35.00%	20.41	28	50.00%	29.16	16	50.00%	29.16			
Designer	49.67	116.0	36.25%	18.00	16	50.00%	24.83	100	50.00%	24.83									
		0.0																	
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TOTALS		320.0	100%	\$59.05	32.0	100.00%	\$57.77	200.0	100%	\$56.26	56.0	100%	\$65.87	32.0	100%	\$65.87	0.0	0%	\$0.

Attachment: Agreement_FLSMR CBD - PhaselI_ BLR 05530 (CBD Ph 2 Engineering Contract)

COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET
FIXED RAISE
Local Public Agency

Village of Flossmoor

County

Cook

Section Number
Prime Consultant (Firm) Name

Baxter & Woodman, Inc.

Prepared By

Thomas Johnson, P.E.

Date

10/25/2023

Consultant / Subconsultant Name

Soil & Material Consultants, Inc.

Job Number

Note: This is name of the consultant the CECS is being completed for. This name appears at the top of each tab.

Remarks
PAYROLL ESCALATION TABLE

CONTRACT TERM **24** MONTHS
 START DATE **10/30/2023**
 RAISE DATE **1/1/2024**
 END DATE **10/29/2025**

OVERHEAD RATE **134.32%**
 COMPLEXITY FACTOR
 % OF RAISE **2.00%**

ESCALATION PER YEAR

Year	First Date	Last Date	Months	% of Contract
0	10/30/2023	1/1/2024	2	8.33%
1	1/2/2024	1/1/2025	12	51.00%
2	1/2/2025	11/1/2025	10	43.35%

The total escalation = 2.68%

BLR 05514 (R

Packet Pg. 223

Local Public Agency	County	Section Number
Village of Flossmoor	Cook	
Consultant / Subconsultant Name		Job Number
Soil & Material Consultants, Inc		

SUBCONSULTANTS

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

[illegible]

NOTE: Only subconsultants who fill out a cost estimate that splits out direct labor may be listed on this sheet.

Attachment: Agreement_FLSMR CBD - PhaselI_ BLR 05530 (CBD Ph 2 Engineering Contract)

Local Public Agency

Village of Flossmoor

County

Cook

Section Number

12.a

Consultant / Subconsultant Name

Soil & Material Consultants, Inc.

Job Number

DIRECT COSTS WORKSHEET

List ALL direct costs required for this project. Those not listed on the form will not be eligible for reimbursement by the LPA on this project.

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

ITEM	ALLOWABLE	QUANTITY	CONTRACT RATE	TOTAL
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost (Up to state rate maximum)			\$0.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual Cost			\$0.00
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval			\$0.00
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum			\$0.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day			\$0.00
Vehicle Rental	Actual Cost (Up to \$55/day)			\$0.00
Tolls	Actual Cost			\$0.00
Parking	Actual Cost			\$0.00
Overtime	Premium portion (Submit supporting documentation)			\$0.00
Shift Differential	Actual Cost (Based on firm's policy)			\$0.00
Overnight Delivery/Postage/Courier Service	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (In-house)	Actual Cost (Submit supporting documentation)			\$0.00
Copies of Deliverables/Mylars (Outside)	Actual Cost (Submit supporting documentation)			\$0.00
Project Specific Insurance	Actual Cost			\$0.00
Monuments (Permanent)	Actual Cost			\$0.00
Photo Processing	Actual Cost			\$0.00
2-Way Radio (Survey or Phase III Only)	Actual Cost			\$0.00
Telephone Usage (Traffic System Monitoring Only)	Actual Cost			\$0.00
CADD	Actual Cost (Max \$15/hour)			\$0.00
Web Site	Actual Cost (Submit supporting documentation)			\$0.00
Advertisements	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Facility Rental	Actual Cost (Submit supporting documentation)			\$0.00
Public Meeting Exhibits/Renderings & Equipment	Actual Cost (Submit supporting documentation)			\$0.00
Recording Fees	Actual Cost			\$0.00
Transcriptions (specific to project)	Actual Cost			\$0.00
Courthouse Fees	Actual Cost			\$0.00
Storm Sewer Cleaning and Televising	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Control and Protection	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Aerial Photography and Mapping	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Utility Exploratory Trenching	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Testing of Soil Samples	Actual Cost			\$0.00
Lab Services	Actual Cost (Provide breakdown of each cost)			\$0.00
Equipment and/or Specialized Equipment Rental	Actual Cost (Requires 2-3 quotes with IDOT approval)			\$0.00
Traffic Count processing	\$672 per day			\$0.00
Drone	\$400/full day			\$0.00
Railroad Flaggers	\$1200 per day			\$0.00
Pavement Investigation		1	\$6,501.00	\$6,501.00

TOTAL DIRECT COSTS

BLR 05514 (Rev. 02/09/23)

Packet Pg. 226

Village of Flossmoor

Cook

--

Soil & Material Consultants, Inc.

_____ (Signature)

EXHIBIT D COST ESTIMATE OF CONSULTANT SERVICES (CECS) WORKSHEET

SHEET 1 **OF** 1

Attachment: Agreement_FLSMR CBD - Phasell_ BLR 05530 (CBD Ph 2 Engineering Contract)


**Resolution for Improvement
Under the Illinois Highway Code**

Is this project a bondable capital improvement?

☒ Yes ☐ No

Resolution Type

Original

Resolution Number

Section Number

19-00051-00-CH

 BE IT RESOLVED, by the President and Board of Trustees

Governing Body Type

 of the Village

Local Public Agency Type

 of Flossmoor

Name of Local Public Agency

Illinois that the following described street(s)/road(s)/structure be improved under

 the Illinois Highway Code. Work shall be done by Contract

Contract or Day Labor

For Roadway/Street Improvements:

Name of Street(s)/Road(s)	Length (miles)	Route	From	To
Sterling Avenue	0.09		Flossmoor Road	1000 Sterling Avenue
Central Drive	0.05		2613 Central Drive	Park Drive
Park Drive	0.03		1020 Park Drive	Sterling Avenue

For Structures:

Name of Street(s)/Road(s)	Existing Structure No.	Route	Location	Feature Crossed

BE IT FURTHER RESOLVED,

1. That the proposed improvement shall consist of

Project consists of Phase II Engineering for the proposed Central Business District Roadway, Pedestrian, and Streetscape Improvements Project in the Village of Flossmoor. Engineer's project number 0180131.00.

 2. That there is hereby appropriated the sum of Ninety Four Thousand Eight Hundred Fourteen

 Dollars (\$94,814.00) for the improvement of

said section from the Local Public Agency's allotment of Motor Fuel Tax funds.

BE IT FURTHER RESOLVED, that the Clerk is hereby directed to transmit four (4) certified originals of this resolution to the district office of the Department of Transportation.

 I, Gina A. LoGalbo

Name of Clerk

Village

Local Public Agency Type

 Clerk in and for said Village

Local Public Agency Type

 of Flossmoor

Name of Local Public Agency

in the State aforesaid, and keeper of the records and files thereof, as provided by

statute, do hereby certify the foregoing to be a true, perfect and complete original of a resolution adopted by

President and Board of Trustees

Governing Body Type

of

Flossmoor

Name of Local Public Agency

 at a meeting held on November 06, 2023

Date

 IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 6th day of November, 2023

Day

Month, Year

Attachment: blr-09110 (CBD Ph 2 Eng) Board packet (CBD Ph 2 Engineering Contract)



(SEAL, if required by the LPA)

Resolution for Improvement
Under the Illinois Highway Code

Clerk Signature & Date

Approved

Regional Engineer Signature & Date
Department of Transportation

Attachment: blr-09110 (CBD Ph 2 Eng) Board packet (CBD Ph 2 Engineering Contract)

Instructions for BLR 09110 - Page 1 of 2

NOTE: Form instructions should not be included when the form is submitted.

This form shall be used when a Local Public Agency (LPA) wants to construct an improvement using Motor Fuel Tax(MFT) funds. Refer to Chapter 9 of the Bureau of Local Roads and Streets Manual (BLRS Manual) for more detailed information. For signature requirements refer to Chapter 2, Section 3.05(b) of the BLRS Manual.

When filling out this form electronically, once a field is initially completed, fields requiring the same information will be auto-populated.

Is this project a bondable capital improvement?

Check Yes if the project was a bondable capital improvement, check no if it is not. An example of a bondable capital project may include, but is not limited to: project development, design, land acquisition, demolition when done in preparation for additional bondable construction, construction engineering, reconstruction of a roadway, designed overlay extension or new construction of roads, bridges, ramps, overpasses and underpasses, bridge replacement and/or major bridge rehabilitation. Permanent ADA sidewalk/ramp improvements and seeding/sodding are eligible expenditures if part of a larger capital bondable project. A bondable capital improvement project does not mean the LPA was required to sell bonds to fund the project, however the project did meet the criteria to be bondable.

Resolution Number

Enter the resolution number as assigned by the LPA, if applicable.

Resolution Type

From the drop down box choose the type of resolution:

- Original would be used when passing a resolution for the first time for this project.
- Supplemental would be used when passing a resolution increasing appropriation above previously passed resolutions.
- Amended would be used when a previously passed resolution is being amended.

Section Number

Insert the section number of the improvement the resolution covers.

Governing Body Type

From the drop down box choose the type of administrative body. Choose Board for County; Council for a City or Town; President and Board of Trustees for a Village or Town.

LPA Type

From the drop down box choose the LPA body type. Types to choose from are: County, City, Town or Village.

Name of LPA

Insert the name of the LPA.

Contract or Day Labor

From the drop down choose either Contract or Day Labor.

Roadway/Street Improvements:

Name Street/Road

Insert the name of the Street/Road to be improved. For additional locations use the Add button.

Length

Insert the length of this segment of roadway being improved in miles.

Route

Insert the Route Number of the road/street to be improved if applicable.

From

Insert the beginning point of the improvement as it relates to the Street/Road listed to the left.

To

Insert the ending point of the improvement as it relates to the Street/Road listed to the left.

Structures:

Name Street/Road

Insert the name of the Street/Road on which the structure is located. For additional locations use the Add button.

Existing Structure No.

Insert the existing structure number this resolution covers, if no current structure insert n/a.

Route

Insert the Route number on which the structure is located.

Location

Insert the location of the structure.

Feature Crossed

Insert the feature the structure crosses.

1

Insert a description of the major items of work of the proposed improvement.

2

Insert the dollar value of the resolution for the proposed improvement to be paid for with MFT funds in words followed by in the same amount in numerical format in the ().

Attachment: blr-09110 (CBD Ph 2 Eng) Board packet (CBD Ph 2 Engineering Contract)

Instructions for BLR 09110 - Page 2 of 2

Name of Clerk	Insert the name of the LPA clerk.
LPA Type	Insert the type of clerk based on the LPA type. Types to choose from are: County, City, Town or Village.
Name of LPA	Insert the name of the LPA.
Governing Body Type	Insert the type of administrative body. choose Board for County; Council for a City or Town; President and Board of Trustees for a Village or Town
Name of LPA	Insert the name of the LPA.
Date	Insert the date of the meeting.
Day	Insert the day Clerk is signing the document.
Month, Year	Insert the month and year of the Clerk's signature.
Seal	The Clerk shall seal the document here, if required. If a seal is required, electronic signatures should not be used.
Clerk Signature	Clerk shall sign here.
Approved	The Department of Transportation shall sign and date here once approved.

A minimum of three (3) certified signed originals must be submitted to the Regional Engineer's District office OR email PDF completed form with electronic signatures to your local District LRS office.

Following IDOT's approval, distribution will be as follows:

Local Public Agency Clerk
 Engineer (Municipal, Consultant or County)
 District

Attachment: blr-09110 (CBD Ph 2 Eng) Board packet (CBD Ph 2 Engineering Contract)

TO: Bridget Wachtel, Village Manager
FROM: Jerel Jones, Police Chief
DATE: November 6, 2023
SUBJECT: Ratification of a Grant Agreement



FLOSSMOOR

The Flossmoor Police Department (FPD) applied for a State Grant through the Illinois Attorney General's Office on August 29, 2023. The Department was awarded \$85,000 from the grant, which was specifically open to law enforcement organizations addressing organized retail crime in their communities, such as the Flossmoor Police Department. The Village of Flossmoor partners with several businesses and retail stores, serving thousands of individuals and families in our community and surrounding areas.

The Attorney General's grant is intended to address the following necessities:

- Enhance law enforcement collaboration in combating organized retail crime.
- Enhance ongoing investigations of organized retail crime.
- Provide training to law enforcement and prosecutors in the investigation and prosecution of organized retail crimes.
- Support overtime for law enforcement in investigations of organized retail crime in the home agency of officers and in collaboration with the Attorney General's Organized Retail Crime Task Force.

With the award of the grant, in October 2023, the Police Department was instructed to move forward with the implementation process for the Retail Theft and Organized Crime Prevention Program, in partnership with the Illinois Attorney General's Office. Attached for your consideration is the Resolution of the Village of Flossmoor, approving and ratifying an agreement between the Village and the Illinois Attorney General's Office. In order to meet the grant requirements, staff had to sign and return the grant agreement by October 27, 2023, ahead of the next Village Board meeting. This ordinance ratifies the agreement, and once approved, Police Department staff will proceed with the implementation of the crime prevention program, to include allocating grant funds toward technological advancements and other robust preventative public safety measures for our Village.

RESOLUTION # _____

A RESOLUTION OF THE VILLAGE OF FLOSSMOOR, COOK COUNTY, ILLINOIS, APPROVING AN AGREEMENT BY AND BETWEEN THE VILLAGE OF FLOSSMOOR AND THE ATTORNEY GENERAL OF THE STATE OF ILLINOIS

WHEREAS, the Village of Flossmoor, Cook County, Illinois (the "*Village*") is a duly organized and validly existing non-home rule municipality created in accordance with the Constitution of the State of Illinois of 1970 and the laws of the State; and,

WHEREAS, pursuant to Article 44, Section 85 of Public Act 102-0698, effective July 1, 2022 (Public Act 102-0698, effective July 1, 2022) (the "*Public Act*"), the Illinois General Assembly has appropriated from the General Revenue Fund to the Attorney General the sum of \$5,000,000, or so much thereof as may be necessary, for grants to law enforcement agencies to investigate and prosecute organized retail crime; and,

WHEREAS, the Attorney General has appropriated \$85,000 of such funds to the Police Department of the Village for the sole use of LPR Cameras and Stationary Video Cameras including Officer ORC activities pursuant to certain procedural and reporting requirements as set forth in the Organized Retail Crime Grant Program Grant Agreement attached hereto (the "*Grant Agreement*"); and,

WHEREAS, the Chief of Police of the Village Police Department, on behalf of the Village, has agreed to all procedural and reporting requirements as stated in the Grant Agreement; and,

WHEREAS, the Mayor and Board of Trustees have reviewed the Grant Agreement and have determined it is in the best interests of the residents of the Village to approve, accept and confirm the Police Chief's agreement to its terms as hereinafter provided.

NOW THEREFORE, BE IT RESOLVED by the Mayor and Board of Trustees of the Village of

Flossmoor, Cook County, Illinois, as follows:

Section 1: That all of the recitals set forth above are incorporated herein as if fully restated in this Section 1.

Section 2: That the Mayor and Board of Trustees have reviewed the Organized Retail Crime Grant Program Grant Agreement by and Between the Village and the State of Illinois represented by the Attorney General of the State of Illinois, in the form attached hereto and made a part hereof, and hereby approve, ratify and confirm the execution of the aforesaid Grant Agreement and authorize the Chief of Police to undertake any and all actions required to implement the terms thereof.

Section 3: That this Resolution shall be in full force and effect upon its passage by the Board of Trustees of the Village and approval as provided by law.

Passed by the Mayor and City Council of the Village of Flossmoor, Cook County, Illinois this _____ day of _____, 2023.

AYES: _____

NOES: _____

ABSENT: _____

ABSTAINED: _____

PASSED: _____

APPROVED: _____

PUBLISHED: _____

APPROVED:

Mayor

ATTEST:

Village Clerk

TO: Bridget Wachtel, Village Manager
FROM: Scott Bordui, Finance Director
DATE: November 6, 2023
SUBJECT: 2023 Tax Levy Estimate



FLOSSMOOR

The Village's 2023 tax levy calendar which was established back in early September listed the November 6, 2023 Board Meeting as the date to discuss and formally establish the estimated 2023 tax levy. Adoption of an estimated levy at the November 6 meeting will allow the Village to approve the final levy at the December 4, 2023 Board Meeting as set forth in the calendar. The Village will also be required to conduct a public hearing at the December 4 meeting if the total estimated levy is greater than 105% of the 2022 extension. The estimated levy proposed for both the Village and the Library combined result in the total capped levy in excess of 105% and; therefore, a public hearing will be required if the estimate is approved. This memo presents discussion of three levy options along with detailed explanations of each levy category. Attached are spreadsheets for each option; one showing the levy totals and one showing the levy category (line) detail. In the case of Option 1, there are three category detail spreadsheets; each prepared with a different approach. Of course, the Board may elect to pursue a different option. Also attached are informational spreadsheets which provide some historical tax levy data.

GENERAL COMMENTS

The 2023 tax levy will be another complex levy due to legislation, Cook County's interpretation of enacted legislation, a new property component with limited development projects, and tax caps. Several general comments regarding the levy are noteworthy before proceeding into the detailed discussion. At last year's meeting, the Board expressed a preference to continue to include prior legislation summaries in the memo.

PA 096-1495 – Pension Reform

A major change impacting the Village that began with the 2011 tax levy is PA 096-1495 commonly known as "pension reform" legislation. The legislation creating sweeping changes impacting police and fire pension funds including a second tier of reduced benefits, changes to the tax levy calculation methods for the minimum levy contribution and penalties for municipalities that do not make the minimum levy contribution.

HB 664 – Property Tax-Tax Sales Registration

HB 664, which began as a bill regarding deposits for tax sales registrations, grew into a complicated piece of legislation with numerous amendments which added to the already overly complex property tax calculations. The legislation impacts the calculation of the homestead and senior exemptions; and, as a consequence the equalized assessed values (EAV) which are needed to calculate property tax bills.

PA 94-976 – Update to PTELL

PA 94-976 (SB 1682) was passed effective for all referenda (and levies) held after March 21, 2006. Not only did PA 94-976 impact the wording of our November 7, 2006 referendum question, it impacted the tax levy itself. PA 94-976 eliminated referendum-imposed ceilings on the 3 levy lines subject to ceilings (corporate, police & fire) and allowed those ceilings to go to the statutory maximums. However, PA 94-976 did not allow for a corresponding increase in the total cap so the ceiling increases provided limited benefit. For the Village, this means the corporate ceiling is at 43.75 cents and the police and fire ceilings are at 60 cents; amounts that the Village first reached in the 2012 levy extension for corporate and police and in 2013 for fire due to declining property values in the Village. The Cook County Clerk implemented PA 94-976 with the 2006 levy. Tax caps in recent years due; in part, to EAV fluctuations have since forced the levies below the ceilings.

PA 93-0689-Fire Pension Benefit Enhancements

Effective July 1, 2004 PA 93-0689 (HB 599) became law. PA 93-0689 provided for enhancements to fire pension benefits. The bill included a provision to exclude from tax caps the increase in the fire pension tax levy that occurred as a result of PA 93-0689. The law also requires the Fire Pension fund to obtain an actuary report that discloses the total tax levy as well as the portion of the levy related to PA 93-0689. The Village's obtained the disclosure from its actuary for the 2023 levy. The fire pension tax levy for 2023 is presented in two components: Capped and Not Capped.

PA 93-0715 (Now PA 95-0644) – Assessment Caps

PA 93-0715 was passed effective for three years (2004-2006) and provided a measure where assessment increases would be capped at 7% annually. Part of HB 644 (now PA 95-0644) extended those caps thru 2009 and; according to the Cook County Assessor's website, again thru 2014 for the South Suburbs in Cook County. I have been unable to obtain any information showing an extension beyond 2014. However, we should continue to assume the County will apply the caps and we will continue to have assessment caps in addition to tax caps. The measure has been adopted by Cook County and, thus, applies to the Village. A simplistic analysis indicates EAV would have to rise to over 239 million to exceed the assessment cap. This amount is well above our 2022 EAV amount of approximately \$223 million. The assessment cap is applied on individual homeowner bills and is not part of the tax cap extension calculation. Yet, the law could have impact for the Village in terms of actual collections as compared to the total levy amount.

SB 2575 – Pensions in the Tax Cap Calculation

The Village did attempt in 2010 to promote SB 2575 which would remove the pensions from being subject to tax caps when calculating the levy extension. The Village's efforts ended in committee in Springfield. However, pension reform remains a prominent legislative issue and

we should remain advocates to include in reforms the removal of pensions from the tax cap calculation for non-home rule municipalities.

PA 100-0401 – Exemption Increases

PA 100-0401 increased homeowner's and senior exemptions. The homeowner's exemption went from \$7,000 to \$10,000 while the senior exemption went from \$5,000 to \$8,000. It is difficult to quantify the overall impact on the Village as the exemptions are so individualized to specific taxpayers. However, the Village's overall EAV will be impacted and be lower than it would otherwise be without the exemption increases.

P.A. 101-0610 - Pension Consolidation

P.A. 101-0610 was signed into law on December 18, 2019 and consolidated all investments in downstate police and fire pension funds into two new statewide investment funds; the Illinois Police Officers' Pension Investment Fund (IPOPIF) and the Illinois Firefighters' Pension Investment Fund (IFPIF). The legislation was the culmination of the Governor appointed Pension Consolidation Feasibility Task Force in February 2019 whose purpose was to research consolidation of pension funds and conclude with recommendations on consolidation. The essence of P.A. 101-0610 is to consolidate police and fire pension fund assets into the two separate new funds; one for police and one for fire. This effectively consolidated all investments into the two separate funds referenced earlier. For the time being, benefit payments and actuary, auditing, legal, accounting and consulting services/costs appear to remain handled at the local level. The transition period was to be 30 months meaning the asset transfers needed to be in place by July 1, 2022. Asset transfers have been made to both funds with all required fire transfers to date made to IFPIF and all required police transfers to IPOPIF. There are some remaining asset classes such as annuities and IMET that have not yet been required to transfer but will be in the future. Updated actuary assumptions were also approved by both funds. The Task Force did also recommend additional review to consolidate benefit administration as well. I have not heard of any movement on that recommendation. As you will see later in the report, the employer contribution rate for police and fire pension is nearly five and eight times; respectively, greater than the employer contribution rate for IMRF; a clear indication of how broken the current system is for the public safety pensions.

2009 "Market Adjustment" and "10/25 Ordinance"

The County Assessor announced in 2009 that all residential properties not being reassessed in 2009 would receive a downward "market adjustment" to reflect the real estate downturn. As the Village's townships were reassessed in 2008, the Village was subject to the 2009 "market adjustment." Further, the County implemented the "10/25 Ordinance" which was passed by the County Commissioners. The "10/25 Ordinance" states it is effective for the 2009 levy only and dropped the assessment levels to 10% for residential and 25% for commercial. The impact of these actions on the Village's tax levy appears to have been minimal as the initial Assessor reductions were offset by a sizable

increase in the State equalization factor. Effectively, the County can reduce assessments as low as it wants, but the State equalization factor will end up keeping Cook County in line with the rest of the State. The Cook County website continues to show the “10/25 Ordinance” as effective for 2009 only. However, the County will calculate 2022 tax bills based on the “10/25 Ordinance” and will likely do so again in 2023 and beyond unless challenged. For the purposes of our 2023 levy assumptions, we have utilized our estimated 2022 EAV plus new property.

2023 Consumer Price Index

For the second time in the history of tax caps, the Village will be limited to the maximum increase of 5.0%. Tax caps limit the levy to the lesser of 5.0% or Consumer Price Index (CPI). Tax caps will limit the Village to a “tax cap” Consumer Price Index (CPI) of 5.0% for the 2023 tax levy. The tax caps are based on CPI at December 31 of the previous calendar year. The CPI at 12-31-22 was 6.5%. The 5.0% 2023 CPI levy cap is the same as 2022 which was up from the 2021 CPI of 1.4% and is above the 27-year tax cap average of 2.3%. The 5.0% CPI cap for 2023 follows 2022 at 5.0% (limited by cap), 2021 at 1.4%, 2020 at 2.3%, 2019 at 1.9% and 2018 at 2.1%. Low CPI in many recent years have effectively created a major fiscal challenge with the Village being unable to generate much in the way of new property tax dollars beyond Meijer and the outlot developments. The impact has been especially severe in recent years as low CPI and declining property values hit our tax levies at the same time as large pension increases. In recent months, CPI has remained at higher levels with the most recent published number at 3.7% (Sep. 2023). CPI has moderated after two years of soaring inflation at rapid pace in 2021 and 2022. As recently as December 2020, CPI was only 1.4%. As Village costs have risen along with CPI in excess of the 5.0% mandated by tax caps, new financial challenges have emerged.

2021-2023 Projects

There are components included in the 2023 new property EAV estimate related to development projects. There is a component for the Dunkin Donuts and the Oasis Refuge developments. Oasis Refuge was granted Class 8 so that development will come in at the 10% assessment level rather than at 25%.

Even though Oasis Refuge is not open yet as of this date, we cannot afford to leave it out for 2023 because we would not be able to go back retroactively if the new property or any portion thereof hits assessed values in 2023 and we have not included it in our levy. The downside risk is that if we do not receive the money in 2023, we would be under budget for property tax revenues.

New Property – Annual Growth

Annual new property growth other than major development projects assumes that 2023 new property growth in the Village occurred at a rate similar to average experienced over the last four years taking into account data on the most recent Building Department reports.

P.A. 102-0519 – Prior Year Tax Levy Adjustment

P.A. 102-0519 was passed effective with the 2021 levy and effectively provides for an increase in the prior year levy for adjustments made due to assessment errors, court orders on assessment complaints, tax levy appeals and the related aggregate refunds associated with the adjustments. In the Village's 2022 tax levy edit report, the Village's P.A. 102-0519 adjustment was for \$47,533. This is added to our total levy extension. Assuming consistent interpretation and implementation of this, I included the \$47,533 in the application of the 5.0% tax cap CPI amount.

Unlevied Cost Effect

The 2003-2013 levies appear to have been the first since the Village has been subject to tax caps where the Village was unable to levy for all of its cost assumptions due to the caps. This created "unlevied" costs. Unfortunately, even with the 2006 referendum, this trend continued thru the 2013 tax levy due to the corporate, police and fire levies being at their ceilings of 43.75 and 60 cents, respectively. The Village's strategy for the 2003-2013 levies was to select an approach of allocating these costs by reducing the levies of the Capped-Ceiling lines. The total "unlevied" costs for the 11 tax levies (2003-2013) were \$7,471,064; an amount the Village could have raised without increasing its tax rate exclusive of the referendum and ceiling increments had it not been for the tax cap formulas. With the 2018 levy, the unlevied cost effect returned at an amount of \$364,117 and continued in 2019, 2020, 2021 and 2022 at amounts of \$302,130, \$167,926, \$283,852 and 261,796 respectively. Unfortunately, the 2023 tax levy has also resulted in unlevied costs in the amount of \$66,778. With the 2023 tax levy added, the total unlevied costs for 2003-2013 and 2018-2023 will be \$8,917,663. This effect returned in 2018-2023 after four years in a row (2014-2017) when ups and downs in EAV caused corporate, police and fire levies to all reach their ceilings while Non-Ceiling lines were allowed to receive "loss and cost" in addition to the approved levy. Further, the Village files a reduction resolution to instruct the County Clerk on how to allocate reductions if the total tax levy exceeded the tax cap calculations.

LEVY OPTIONS

Option 1

Option 1 was calculated in a manner consistent with past Village strategy which has been to maximize the total levy. The Village had historically until the 2003 levy been able to build its savings and fund balance for the Finance and Facilities Plan largely through its tax levy strategy. Economic pressures affecting the 2003-2006 levies impacted the prior strategy as the tax levy had become essential to the Village's operating budget as opposed to the Finance and Facilities Plan (FFP). These pressures were no longer present for the 2007 and 2008 (FY 10 budget) levies as a result of the referendum; but, due, in part, to recent several years of low tax cap CPI, EAV declines and large pension increases, levy pressures returned for the 2009-2022 levies and will be present again for the 2023 levy and FY 25 budget.

In 2014-2017 and as recently as 2002 before that, the cost assumptions used for levy calculations did not support a “maximized” levy. In order to maximize the levy, the Village allocated additional dollars to the Police Pension and Fire Pension levies in an effort to increase the funding percentages of those pension funds. For 2023, the Village is in the same situation it experienced in the 2003-2013 and 2018-2022 levies with the unlevied cost effect. The Village will need to reduce the total cost assumption amounts by allocating “unlevied” costs to the individual levy line items. For 2023, the total amount of “unlevied” costs to allocate is \$66,778. Unlevied costs in 2003-2013 and 2018-2023 have ranged from \$27,615 to \$1,288,487.

When the new property with development project amounts are added to the capped CPI (5.0%) the result is a total increase in the Village levy of 4.37%. The percentage increase of the capped portion of the levy is 6.11%. The Debt Service levy (\$1,129,019 for 2023 levy) represents the repayments of the 2021 G.O. Refunding bond issue which refinanced the \$3.47 million 2013 G.O. water main improvement bond issue, the \$10 million 2021 G.O. streets and storm sewer improvements bond issue, and the \$3.81 million 2014 G.O. water main improvement bond issue. The 2013 and 2014 G.O. issues composed the \$7.28 million series approved by voter referendum in November 2012. The 2021 bond issue was a two-purpose bond issue; with those purposes being the refunding (\$2.11 million) and the streets and storm sewer improvements (\$10 million). The \$10 million 2021 G.O. bond issue was approved by voter referendum in November 2020. The Village gained significant savings on the 2021 refunding and achieved a low interest rate on the 2021 two-purpose G.O. The Village obtained a low interest rates of 3.20% on the 2014 G.O. bond issue and 1.7825% on the 2021 G.O. bond issue.

Also keep in mind with Option 1, the percentage increase is based on dollars; the rate itself will likely change at a different percentage depending on the 2023 EAV. A further consideration is that the Library Board adopted a levy largely consistent with the approach of Option 1. As the Library will have its own limiting rate calculation, the Library levy will not impact the effect of tax caps on the Village.

Three approaches are presented within Option 1 for allocating the “unlevied” costs. Option 1-Approach 1 reduces all Village Capped levy lines proportionately. This approach spreads the costs out to all levy lines, but will result in under funding of Capped-Non-Ceiling lines which are tied into specific direct costs (i.e. pensions). Option 1-Approach 2 reduces the Capped-Non-Ceiling lines proportionately while not reducing the Capped-Ceiling lines at all. This approach keeps the Capped-Ceiling lines at amounts where those lines can be applied as close to the full amount of the Village’s EAV as possible, but will result in insufficient funding of Capped-Non-Ceiling lines which are tied into specific direct costs. Option 1-Approach 3 reduces the Capped-Ceiling lines proportionately while not reducing Capped-Non-Ceiling lines at all. This approach allows for full funding of the lines tied directly into specific costs, but causes the Capped-Ceiling lines to be below the full amount available based on the Village’s EAV.

Option 2

Option 2 is presented mainly as a disclosure item and is not, in fact, an option that can be selected. The Option 2 disclosure shows the amount the Village would need to levy to fully cover all of its cost assumptions including allowing the Capped-Ceiling lines to access the full amount of the Village's EAV. Option 2, if allowed, would result in an increase in the total Village levy of 5.30%.

Option 3

Option 3 is presented to illustrate a zero increase in the capped levy. In order to pass a levy which does not increase dollar-based taxes, Option 3 reduces actual cost assumptions proportionately by \$430,113 among all the capped levy category line items. Option 3 would also not capture any dollars generated from any new property.

LEVY CATEGORIES

In evaluating the 2023 levy estimate and options, it is important to comprehend the assumptions/methodology used for each levy category. Explanations of each levy category are as follows:

General Fund-Capped Subject to Ceiling

The Corporate, Police Protection, and Fire Protection levies are the three Village levies which are subject to ceiling amounts. Legislation specific to Cook County requires that the ceiling rates applied to determine the maximum levy amounts are based on the lesser of the Village's prior year EAV plus/minus new property, annexed property, recovered TIF increment value, and disconnected property or the current year EAV. From 2011-2015 with the large declines in EAV, the corporate and police levies both reached their ceilings in 2012 with fire reaching its ceiling in 2013. However, the EAV increases in 2016 and 2017 forced the capped ceiling lines to be below the ceiling rates allowed by statute. The EAV declines in 2018 and 2019 did not help the capped ceiling lines recover to statutory allowed levels although the 2020 EAV reassessment has helped the capped ceiling lines move closer toward the ceilings. The projected 2023 EAV utilized in the 2023 tax levy estimate for the ceiling lines is the estimated 2022 EAV plus new property (this amount is less than estimated 2023 EAV). This assumption results in cost assumptions exceeding total tax cap limits. The estimate represents a range of decreases of 4.62%-increases of 0.03% in Option 1-Approach 1, decreases of 3.65%-increases of 1.08% in Options 1-Approach 2 and 2, decreases of 0.76%-5.34% in Option 1-Approach 3 and decreases of 5.66-9.94% in Option 3.

As discussed in recent years, the overall impact of declining EAV on the Village over the 2011-2016 and 2018-2022 levies especially hit hard the corporate, police protection and fire

protection levies. The estimated 2023 levy; with the 2023 reassessment EAV, could help us gain ground to move these levies closer to the ceilings. Nevertheless, based on the 2023 estimated levy, the corporate levy is at revenue levels just below 2011 while the police protection and the fire protection levies are at revenue levels just above 2018. At the same time of the EAV and associated revenue impacts over the last decade, costs in the Village's General Fund budget have increased over these intervening time periods creating a tax levy revenue and General Fund expenditure structure trend that has had a major impact on the Village's finances. The trend is not sustainable over the long-term.

General Fund-Capped Not Subject to Ceiling

The Village levies in the General Fund to pay for its coverage costs for both workers compensation and property and liability insurance, to pay for its audit costs, and to pay for employer contributions for Social Security, Medicare, and IMRF Pension. The five levies apply to the total tax cap, but are not subject to individual levy ceilings.

Options 1-Approach 3 and 2 provide for full funding of the estimated insurance costs which the Village incurs through its membership in the Intergovernmental Risk Management Agency (IRMA). The Village's estimated preliminary 2024 IRMA premium calls for a 38.2% increase which is estimated to be due to a large increase in the Village's debit (addition) experience modifier from a small 2.63% credit to a large debit of 20.4%, a modest below market increase in the IRMA contribution rate made possible by IRMA utilizing its "rate stabilization fund" for the fourth year in a row. The use of rate stabilization does make IRMA rates artificially low again this year and will likely result in a large increase in a future year. These increases will offset by the availability of a surplus credit. An excess surplus (i.e. interest income) credit of \$108,070 (as compared to \$111,052 last year) will be applied to the Village's premium which results again in an artificially low premium as the credit; although less than last year, is still historically high. 2023 investment returns are down which means the likelihood of another interest income credit for 2024 and beyond is in jeopardy. Deductible costs are also included in the levy estimates. It is notable that the Village's levy for 2023 is only \$84,739 less than it was in 1998 (\$216,883); the year the Village joined IRMA. The 2023 levy continues to reflect a reallocation as advised by IRMA in the split between workers compensation and liability levy lines from 60/40 to 50/50. The overall effect on the tax levy is an increase of 54.30% in the combined insurance levy lines.

Options 1-Approach 3 and 2 also provide for full funding of estimated audit costs. The 2023 levy includes the impact of the GATA mandate and GASB 75 implementation/valuation which for FY 23 was an update year as opposed to a full valuation year. The overall effect on the audit tax levy is a decrease of 3.15%.

The Village maintains separate expenditure accounts in the General Fund to account for payment of required employer contributions for Social Security, Medicare, and IMRF Pension.

Relative to these employer contributions, there are two levy categories: one for Social Security/Medicare and one for IMRF. The Village also utilizes the Water and Sewer Fund to pay a portion of the Village's costs. Options 1-Approach 3 and 2 are based on the Water and Sewer Fund's actual percentages of costs which are anticipated to be 21% for Social Security/Medicare and 28% IMRF for 2023. The Water and Sewer fund percentages for Social Security/Medicare and IMRF increased from 20% and 26%, in 2022, respectively. The effect of the Water and Sewer Fund paying its actual percentages, new personnel positions added or filled in FY 23 and recent years and other increased personnel costs all contribute to the Social Security/Medicare levy decreasing by 0.62%. While these factors also impacted the IMRF levy, the Village's IMRF rate will increase from 6.91% to 6.93% for 2024. The 2024 rate is also at a "normal" level although enhanced by investment performance for 2022. Our 2021 rate was \$11.41, 2022 was \$9.18 and 2023 was \$6.91. The overall effect on the IMRF tax levy is a decrease of 1.88%

Option 1-Approach 3 and Option 2 basically provide for full funding of all five levy line item costs. Option 1-Approaches 1 & 2 do not provide for full funding of any of the five levy line item costs. Option 1-Approach 1 provides for proportionate reductions of "unlevied" costs to all levy line items while Option 1-Approach 2 provides for proportionate reduction to the Capped-Non-Ceiling lines first; effectively reducing those levies below their actual costs.

Option 3 does not provide for full funding of any of the five levy line item costs. Under Option 3, all of the levy lines are reduced proportionately to bring the itemized levy within the total levy resulting in smaller increases or larger decreases from 2022 for the levy lines.

Police Pension-Capped Not Subject to Ceiling

The Police Pension levy applies to the total Village tax cap, but is not subject to individual ceiling. The Police Pension Board approved a levy recommendation in the amount of \$1,379,223 at its October 11, 2023 meeting. The Board selected from options presented by an independent enrolled actuary. The minimum levy required by PA 096-1495 is \$1,045,464. Attached is a letter from Police Pension President Clint Wagner documenting the Pension Board levy recommendation.

The option selected by the Police Pension Board is based on actuary assumptions that are appropriate. The interest rate and salary assumptions selected dropped to 6.80% and remained at a graduated 11.0-3.50% scale, respectively. The interest rate assumption was based on the assumption of the IPOPIF Board. The Police Pension Fund is funded at 59.8%. The Police Pension Board recommended levy represents a 29.2% increase above what was requested in 2022 and is the first time the levy has exceeded the police protection levy and second year in a row it has exceeded \$1 million. GASB 67 implemented in FY 15 and GASB 68 implemented in FY 16, mandated revised actuary assumptions the most impactful of which was a change to the RP-2014 Mortality Table (BHCA) using MP-2015 improvement scale which did not adjust for public safety employees, extends life expectancies and carries out to 120 years.

For 2020 and 2021, the RP-2014 table was used again with the generational improvement scale MP-2020. For 2022 and 2023, Pub-2020 Public Safety Mortality Table with generational improvement scale MP-2021 was used. These were the first times a Public Safety mortality table has been used as previous public safety tables had been flawed. The table and scale used for 2022 and 2023 trends toward more reasonableness in the assumptions as it more closely tracks actual public safety employee experience. The tax levy increase is due to a year in which investment yield (2.89%) was below its assumption, the impact of the FOP contract settlement which settled in FY 22, a fifth full year impact of the two additional police officers, the change in mortality scale and the continued impact of state-mandated benefit enhancements granted over recent years. The tax levy estimate represents an employer contribution benefit of 31.9% of employee's covered payroll.

The 2023 levy Police Pension Board recommendation represents a 25.90% increase as compared to the 2022 extension. Options 1-Approach 3 and Option 2 are based on the Police Pension Board recommendation. Option 1-Approaches 1 & 2 and Option 3 do not provide for full funding of the Police Pension Board recommendation.

Fire Pension-Capped Not Subject to Ceiling

The Fire Pension levy applies to the total Village tax cap, but is not subject to individual ceiling. The Fire Pension Board approved a levy recommendation in the amount of \$495,682 at its October 5, 2023 meeting. Of this amount, \$455,115 is subject to tax caps and \$40,567 is not capped. The Board selected from options presented by an independent enrolled actuary. The minimum levy required by PA 096-1495 is \$362,511. Attached is correspondence from Fire Pension President Nicholas Camilli documenting the Pension Board levy recommendation.

The option selected by the Fire Pension Board is based on actuary assumptions that are appropriate. The interest rate and salary assumptions selected remained at 7.125% and increased within the graduated 12.5-4.0% scale, respectively. The interest rate assumption was based on the assumption of the IFPIF Board. The Fire Pension Fund is funded at 41.2%. The Fire Pension Board recommended levy represents a 14.5% increase above what was requested in 2022. GASB 67 implemented in FY 15 and GASB 68 implemented in FY 16, mandated revised actuary assumptions the most impactful of which was a change to the RP-2014 Mortality Table (BHCA) using MP-2015 improvement scale which did not adjust for public safety employees, extends life expectancies and carries out to 120 years. For 2020 and 2021 the RP-2014 table was used again with the generational improvement scale MP-2020. For 2022 and 2023, Pub-2020 Public Safety Mortality Table with generational improvement scale MP-2021 was used. These were the first times a Public Safety mortality table has been used as previous public safety tables had been flawed. The table and scale used for 2022 and 2023 trends toward more reasonableness in the assumptions as it more closely tracks actual public safety employee experience. The tax levy increase is due largely to a year in which investment yield was negative (-1.43%) and well below its assumption, a fifth full year impact of the two new fire

captain positions, the change in mortality scale and the continued impact of state-mandated benefit enhancements granted over recent years. The tax levy estimate represents an employer contribution benefit of 51.7% of employee's covered payroll.

The 2023 levy recommendation represents a 13.83% change as compared to the 2022 extension. Option 1-Approach 3 and Option 2 are based on the Fire Pension Board recommendation. Option 1-Approaches 1 & 2 and Option 3 do not provide for full funding of the Fire Pension Board recommendation.

Fire Pension-Not Capped

As mentioned in the previous section, \$40,567 of the total levy recommended by the Fire Pension Board is excluded from tax caps due to HB 599. The non-capped portion remained at about 10% of the total levy. The Cook County Clerk's office has advised that municipalities should segregate the non-capped amount as a separate levy line.

Public Safety Pensions Impact

The 2023 levy does not bring good news for the public safety pensions. The police and fire pensions now represent 29.1% of the total capped levy which is the highest level in history. This percentage has grown over the years from 7.5% in 1996 to 11.2% in 2011 to the high of 29.1% for 2023. Conversely, the IMRF percentage of the total capped levy has remained generally flat; growing from 4.4% in 1996 to a high of 5.0% in 2011 and down to 2.6% for the 2023 levy. The impact of the over quadrupling of the public safety pensions as a percentage of the total capped levy has hit the general corporate levy especially hard as that levy has dropped as a percentage of the total capped levy from 32.5% in 1996 to 22.6% in 2011 to 17.5% in 2020 and to an all-time low of 15.4% for the 2023 levy. This impact has been especially devastating to Flossmoor as a non-home rule community.

Debt Service-Not Capped

The Debt Service levy is not subject to tax cap. The Village last issued new debt in 2021 with a dual purpose 2021 G.O. Bond Issue. The two purposes were the 2021 G.O. Streets and Storm Sewer Improvement Bond Issue and the 2021 G.O. Refunding Bond Issue which refinanced the 2013 G.O. Water Main Improvement Bond Issue. Also outstanding is the 2014 G.O. Water Main Improvement Bond Issue. The Village Debt Service levy for 2021 includes \$1,129,019 which represents the levy amounts per the bond ordinances. The breakdown of the amount is \$245,850 for the 2014 G.O. Bonds and \$883,169 for the 2021 G.O. Bonds. The allocation of the levy between the two purposes on the 2021 G.O. bonds is \$668,319 for the improvement bonds and \$214,850 for the refunding bonds.

The Village achieved a significant savings with the 2021 refunding bond issue with the total net savings over the entire remaining life of the bonds at \$160,255; a direct savings to the taxpayers.

There are no abatements from excess accumulations for the 2023 levy which the 10th levy to repay the 2014 G.O. bond issue and the 3rd levy to repay the 2021 G.O. bond issue. The Debt Service Fund will likely generate future additional excess accumulations which can be used for further abatements.

Flossmoor Public Library-Capped Subject to Ceiling

The Library levy, although separated for tax cap purposes, still must be ultimately approved by the Village Board. The Library Fund levy category is subject to a rate ceiling in the same manner as applied to the Village under the Cook County specific legislation discussed earlier in this memo. The Library has submitted documentation of its levy recommendation originally approved by the Library Board at its meeting on October 11, 2023. A total levy of \$1,559,939 is recommended for the Library levy; an increase of 5.92% over 2022. The Library Fund levy (the capped subject to ceiling portion of the levy) was \$1,457,755; an increase of 7.75%.

Flossmoor Public Library-Capped Not Subject to Ceiling

Library employer costs for Social Security/Medicare and IMRF Pension are not included in the Village's similar levy categories. The Library levies two categories: one for Social Security/Medicare and one for IMRF. The Library has submitted documentation of its levy recommendation originally approved by the Library Board at its meeting on October 11, 2023. A levy of 57,184 was approved for Social Security/Medicare and \$45,000 was approved for IMRF; a decrease below 2022 of 7.14% and a decrease below 2022 of 22.76%, respectively. Attached is correspondence from Administrative Librarian Jamie Paicely informing the Village of the Library 2023 levy.

RECOMMENDATION

Should the Village Board desire to continue its past tax levy strategy, the recommended option would be Option 1-Approach 3. The estimated impact of Option 1 to a taxpayer whose home has a market value of \$200,000 would be an increase of around \$53. Attached is a spreadsheet which shows the estimated impact at different market values. A second spreadsheet is attached showing the taxpayer impact based just on the capped levy without the debt service reduction and abatements.

BOARD ACTION NEEDED

Please place discussion and approval of the 2023 tax levy estimate on the November 6, 2023 Board Meeting agenda. Specific Board action needed on November 6 will be to select and adopt a tax levy estimate option.

OPTION 1
2023 TAX LEVY ESTIMATE

10/27/2023

Entity	2022 Extension	2023 Estimated Levy	Increase/ (Decrease)	% Increase (Decrease)
<u>Village of Flossmoor</u>				
2022 Extension		\$5,944,690		
CPI Increase (5.0%)		297,235		
Plus: Unlevied Costs		66,778		
Less: Reduction For Tax Caps		(66,778)		
New Property		14,823		
New Property-Projects		51,277		
Total Village-Capped	\$5,944,690	\$6,308,025	\$363,335	6.11%
Fire Pension-Not Capped	\$44,605	\$40,567	(\$4,038)	-9.05%
Debt Service	1,175,390	1,129,019		
Less: Abatement	-	-		
Total Village-Debt Service	\$1,175,390	\$1,129,019	(\$46,371)	-3.95%
Total Village Levy	\$7,164,685	\$7,477,611	\$312,926	4.37%
<u>Flossmoor Public Library</u>				
2022 Extension		\$1,472,716		
CPI Increase (5.0%)		73,636		
New Property/NP Projects		13,587		
Total Library Levy	\$1,472,716	1,559,939	\$87,223	5.92%
Total Levy	\$8,637,401	\$9,037,550	\$400,148	4.63%

Assumptions:

- 5.0% CPI will be Cap rate for 2023 Levy
- 23 new property assumes rate based on 2023 Bldg. Dept. report
- 23 estimated EAV based on 22 EAV plus new property (14,823) plus new property for new projects (51,277)
- 23 estimate does not include loss and cost amounts which are added by County at 5% for debt service and 3% for other levies below the maximum rate
- Debt service levy at \$1,129,019 per 14 G.O. bond & 21 G.O. bond ordinances (14 - \$245,850; 21 - \$883,169 (GO \$668,319, Refund \$214,850))
- Debt service abatement at \$0 (14-\$0; 21-\$0 (GO \$0, Refund \$0))
- Non-capped line established with '04 levy for portion of fire pension levy due to HB 599 (PA 93-0689)
- TIF frozen 2021 EAV = \$3,069,593
- 2022 extension includes P.A. 102-0519 adjustment (Vill Corp-\$47,533, Lib-\$10,026)
- Tax caps create \$66,778 in unlevied costs; 3 approaches to decreasing itemized levies for unlevied costs: 1) Proportionate to all lines 2) Proportionate to non-ceiling lines only 3) Proportionate to ceiling lines only.

TotLevOpt1

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

OPTION 2
2023 TAX LEVY ESTIMATE

10/27/2023

Entity	2022 Extension	2023 Estimated Levy	Increase/ (Decrease)	% Increase (Decrease)
<u>Village of Flossmoor</u>				
2022 Extension		\$5,944,690		
CPI Increase (5.0%)		297,235		
Plus: Unlevied Costs		66,778		
New Property		14,823		
New Property-Projects		51,277		
Total Village-Capped	\$5,944,690	\$6,374,803	\$430,113	7.24%
Fire Pension-Not Capped	\$44,605	\$40,567	(\$4,038)	-9.05%
Debt Service	1,175,390	1,129,019		
Less: Abatement	-	-		
Total Village-Debt Service	\$1,175,390	\$1,129,019	(\$46,371)	-3.95%
Total Village Levy	\$7,164,685	\$7,544,389	\$379,704	5.30%
<u>Flossmoor Public Library</u>				
2022 Extension		\$1,472,716		
CPI Increase (5.0%)		73,636		
New Property/NP Projects		13,587		
Total Library Levy	\$1,472,716	1,559,939	\$87,223	5.92%
Total Levy	\$8,637,401	\$9,104,328	\$466,926	5.41%

Assumptions:

- 5.0% CPI will be Cap rate for 2023 Levy
- 23 new property assumes rate based on 2023 Bldg. Dept. report
- 23 estimated EAV based on 22 EAV plus new property (14,823) plus new property for new projects (51,277)
- 23 estimate does not include loss and cost amounts which are added by County at 5% for debt service and 3% for other levies below the maximum rate
- Debt service levy at \$1,129,019 per 14 G.O. bond & 21 G.O. bond ordinances (14 - \$245,850; 21 - \$883,169 (GO \$668,319, Refund \$214,850))
- Debt service abatement at \$0 (14-\$0; 21-\$0 (GO \$0, Refund \$0))
- Non-capped line established with '04 levy for portion of fire pension levy due to HB 599 (PA 93-0689)
- TIF frozen 2021 EAV = \$3,069,593
- 2022 extension includes P.A. 102-0519 adjustment (Vill Corp-\$47,533, Lib-\$10,026)
- Represents actual costs assumptions
- Levy exceeds tax cap by \$66,778; option cannot be selected

TotLevOpt2

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

OPTION 3
2023 TAX LEVY ESTIMATE

10/27/2023

Entity	2022 Extension	2023 Estimated Levy	Increase/ (Decrease)	% Increase (Decrease)
<u>Village of Flossmoor</u>				
2022 Extension		\$5,944,690		
CPI Increase (5.0%)		297,235		
Plus: Unlevied Costs		66,778		
New Property		14,823		
New Property-Projects		51,277		
Less: Reduction to -0- Increase		(430,113)		
Total Village-Capped	\$5,944,690	\$5,944,690	\$0	0.00%
Fire Pension-Not Capped	\$44,605	\$40,567	(\$4,038)	-9.05%
Debt Service	1,175,390	1,129,019		
Less: Abatement	-	-		
Total Village-Debt Service	\$1,175,390	\$1,129,019	(\$46,371)	-3.95%
Total Village Levy	\$7,164,685	\$7,114,276	(\$50,409)	-0.70%
<u>Flossmoor Public Library</u>				
2022 Extension		\$1,472,716		
CPI Increase (5.0%)		73,636		
New Property/NP Projects		13,587		
Total Library Levy	\$1,472,716	1,559,939	\$87,223	5.92%
Total Levy	\$8,637,401	\$8,674,215	\$36,814	0.43%

Assumptions:

- 5.0% CPI will be Cap rate for 2023 Levy
- 23 new property assumes rate based on 2023 Bldg. Dept. report
- 23 estimated EAV based on 22 EAV plus new property (14,823) plus new property for new projects (51,277)
- 23 estimate does not include loss and cost amounts which are added by County at 5% for debt service and 3% for other levies below the maximum rate
- Debt service levy at \$1,129,019 per 14 G.O. bond & 21 G.O. bond ordinances (14 - \$245,850; 21 - \$883,169 (GO \$668,319, Refund \$214,850))
- Debt service abatement at \$0 (14-\$0; 21-\$0 (GO \$0, Refund \$0))
- Non-capped line established with '04 levy for portion of fire pension levy due to HB 599 (PA 93-0689)
- TIF frozen 2021 EAV = \$3,069,593
- 2022 extension includes P.A. 102-0519 adjustment (Vill Corp-\$47,533, Lib-\$10,026)
- Levy reduced so capped levy increases by \$0
- Levy does not fully fund all costs with ceiling lines at ceiling rates
- All capped levies reduced proportionately so that levy does not increase

TotLevOpt3

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

OPTION 1-APPROACH 1
2022 TAX LEVY ESTIMATE

10/27/2023

<u>ENTITY</u>	2022	2023	Increase/	%
<u>Fund</u>	<u>Extension</u>	<u>Estimated</u>	<u>(Decrease)</u>	<u>Increase</u>
<u>VILLAGE OF FLOSSMOOR</u>		<u>Levy</u>		<u>(Decrease)</u>
<u>General-Capped Ceiling</u>				
Corporate	\$1,025,671	\$978,260	(\$47,411)	-4.62%
Police Protection	1,340,864	1,341,328	464	0.03%
Fire Protection	1,340,864	1,341,328	464	0.03%
<u>General-Capped Non-Ceiling</u>				
Workers Compensation	97,738	149,142	51,404	52.59%
Liability Insurance	97,738	149,142	51,404	52.59%
Audit	41,843	39,857	(1,986)	-4.75%
Social Security	334,716	329,300	(5,416)	-1.62%
IMRF	169,896	164,697	(5,199)	-3.06%
<u>Police Pension-Capped Non-Ceiling</u>				
Police Pension	1,095,523	1,364,530	269,007	24.56%
<u>Fire Pension-Capped Non-Ceiling</u>				
Fire Pension	399,837	450,441	50,604	12.66%
Total Village-Capped	\$5,944,690	\$6,308,025	\$363,335	6.11%
Fire Pension-Not Capped	\$ 44,605	\$ 40,567	(\$4,038)	-9.05%
Debt Service	1,175,390	1,129,019	(46,371)	-3.95%
Less: Abatement	-	-	-	
Total Village-Debt Service	\$1,175,390	\$1,129,019	(\$46,371)	-3.95%
TOTAL VILLAGE	\$7,164,685	\$7,477,611	\$312,926	4.37%
<u>FLOSSMOOR PUBLIC LIBRARY</u>				
<u>Library-Capped Ceiling</u>				
Library	\$1,352,880	\$1,457,755	\$104,875	7.75%
<u>Library-Capped Non-Ceiling</u>				
Social Security-Library	61,579	57,184	(4,395)	-7.14%
IMRF-Library	58,257	45,000	(13,257)	-22.76%
TOTAL LIBRARY	\$1,472,716	\$1,559,939	\$87,223	5.92%
Total Levy	\$8,637,401	\$9,037,550	\$400,149	4.63%

Assumptions:

Ceilings applied to estimated 23 EAV (lesser of 22 EAV + NP or estimated 23 EAV)
 Worker's comp/liability lines based on preliminary 2024 premium; levy includes deductible costs
 Water/Sewer Fund pay full share of its Social Security/Medicare & IMRF costs (21% & 28%)
 Police and Fire Pension done under pre-PA096-1495 reform method (entry age cost) with 20 yr amortization
 to fully fund by 2040; minimum levies per PA096-1495: Police \$1,046,464; Fire \$417,646
 IMRF also reflects rate increase from 6.91 to 6.93
 Debt service at \$1,129,019 per bond ordinances (14-\$245,850; 21-\$883,169 (GO \$668,319; Refund \$214,850))
 Debt service abatement at \$0 (14-\$0; 21-\$0 (GO \$0, Refund \$0))
 P.A. 102-0519 added to Village-Corp 47,533 & Library 10,026
 Represents actual cost assumptions

All Village Capped levies reduced proportionately by \$66,778 to account for unlevied costs created due to tax caps

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

OPTION 1-APPROACH 2
2023 TAX LEVY ESTIMATE

10/27/2023

<u>ENTITY</u>	2022	2023		%
<u>Fund</u>	<u>Extension</u>	<u>Estimated Levy</u>	<u>Increase/ (Decrease)</u>	<u>Increase (Decrease)</u>
<u>VILLAGE OF FLOSSMOOR</u>				
<u>General-Capped Ceiling</u>				
Corporate	\$1,025,671	\$988,277	(\$37,394)	-3.65%
Police Protection	1,340,864	1,355,351	14,487	1.08%
Fire Protection	1,340,864	1,355,351	14,487	1.08%
<u>General-Capped Non-Ceiling</u>				
Workers Compensation	97,738	146,804	49,066	50.20%
Liability Insurance	97,738	146,804	49,066	50.20%
Audit	41,843	39,189	(2,654)	-6.34%
Social Security	334,716	324,626	(10,090)	-3.01%
IMRF	169,896	162,693	(7,203)	-4.24%
<u>Police Pension-Capped Non-Ceiling</u>				
Police Pension	1,095,523	1,345,167	249,644	22.79%
<u>Fire Pension-Capped Non-Ceiling</u>				
Fire Pension	399,837	443,763	43,926	10.99%
Total Village-Capped	\$5,944,690	\$6,308,025	\$363,335	6.11%
<u>Fire Pension-Not Capped</u>				
	\$ 44,605	\$ 40,567	(\$4,038)	-9.05%
Debt Service	1,175,390	1,129,019	(46,371)	-3.95%
Less: Abatement	-	-	-	
Total Village-Debt Service	\$1,175,390	\$1,129,019	(\$46,371)	-3.95%
TOTAL VILLAGE	\$7,164,685	\$7,477,611	\$312,926	4.37%
<u>FLOSSMOOR PUBLIC LIBRARY</u>				
<u>Library-Capped Ceiling</u>				
Library	\$1,352,880	\$1,457,755	\$104,875	7.75%
<u>Library-Capped Non-Ceiling</u>				
Social Security-Library	61,579	57,184	(4,395)	-7.14%
IMRF-Library	58,257	45,000	(13,257)	-22.76%
TOTAL LIBRARY	\$1,472,716	\$1,559,939	\$87,223	5.92%
Total Levy	\$8,637,401	\$9,037,550	\$400,149	4.63%

Assumptions:

Ceilings applied to estimated 23 EAV (lesser of 22 EAV + NP or estimated 23 EAV)

Worker's comp/liability lines based on preliminary 2024 premium; levy includes deductible costs

Water/Sewer Fund pay full share of its Social Security/Medicare & IMRF costs (21% & 28%)

Police and Fire Pension done under pre-PA096-1495 reform method (entry age cost) with 20 yr amortization to fully fund by 2040; minimum levies per PA096-1495: Police \$1,046,464; Fire \$417,646

IMRF also reflects rate increase from 6.91 to 6.93

Debt service at \$1,129,019 per bond ordinances (14-\$245,850; 21-\$883,169 (GO \$668,319; Refund \$214,850))

Debt service abatement at \$0 (14-\$0; 21-\$0 (GO \$0, Refund \$0))

P.A. 102-0519 added to Village-Corp 47,533 & Library 10,026

Represents actual cost assumptions

All Village Capped Non-Ceiling levies reduced proportionately by \$66,778 to account for unlevied costs created due to tax caps

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

OPTION 1-APPROACH 3
2023 TAX LEVY ESTIMATE

10/27/2023

<u>ENTITY</u>	2022	2023		%
<u>Fund</u>	<u>Extension</u>	<u>Estimated Levy</u>	<u>Increase/ (Decrease)</u>	<u>Increase (Decrease)</u>
<u>VILLAGE OF FLOSSMOOR</u>				
<u>General-Capped Ceiling</u>				
Corporate	\$1,025,671	\$970,915	(\$54,756)	-5.34%
Police Protection	1,340,864	1,330,643	(10,221)	-0.76%
Fire Protection	1,340,864	1,330,643	(10,221)	-0.76%
<u>General-Capped Non-Ceiling</u>				
Workers Compensation	97,738	150,811	53,073	54.30%
Liability Insurance	97,738	150,811	53,073	54.30%
Audit	41,843	40,525	(1,318)	-3.15%
Social Security	334,716	332,639	(2,077)	-0.62%
IMRF	169,896	166,700	(3,196)	-1.88%
<u>Police Pension-Capped Non-Ceiling</u>				
Police Pension	1,095,523	1,379,223	283,700	25.90%
<u>Fire Pension-Capped Non-Ceiling</u>				
Fire Pension	399,837	455,115	55,278	13.83%
Total Village-Capped	\$5,944,690	\$6,308,025	\$363,335	6.11%
<u>Fire Pension-Not Capped</u>				
	\$ 44,605	\$ 40,567	(\$4,038)	-9.05%
Debt Service	1,175,390	1,129,019	(46,371)	-3.95%
Less: Abatement	-	-	-	
Total Village-Debt Service	\$1,175,390	\$1,129,019	(\$46,371)	-3.95%
TOTAL VILLAGE	\$7,164,685	\$7,477,611	\$312,926	4.37%
<u>FLOSSMOOR PUBLIC LIBRARY</u>				
<u>Library-Capped Ceiling</u>				
Library	\$1,352,880	\$1,457,755	\$104,875	7.75%
<u>Library-Capped Non-Ceiling</u>				
Social Security-Library	61,579	57,184	(4,395)	-7.14%
IMRF-Library	58,257	45,000	(13,257)	-22.76%
TOTAL LIBRARY	\$1,472,716	\$1,559,939	\$87,223	5.92%
Total Levy	\$8,637,401	\$9,037,550	\$400,149	4.63%

Assumptions:

Ceilings applied to estimated 23 EAV (lesser of 22 EAV + NP or estimated 23 EAV)
 Worker's comp/liability lines based on preliminary 2024 premium; levy includes deductible costs
 Water/Sewer Fund pay full share of its Social Security/Medicare & IMRF costs (21% & 28%)
 Police and Fire Pension done under pre-PA096-1495 reform method (entry age cost) with 20 yr amortization to fully fund by 2040; minimum levies per PA096-1495: Police \$1,046,464; Fire \$417,646
 IMRF also reflects rate increase from 6.91 to 6.93
 Debt service at \$1,129,019 per bond ordinances (14-\$245,850; 21-\$883,169 (GO \$668,319; Refund \$214,850))
 Debt service abatement at \$0 (14-\$0; 21-\$0 (GO \$0, Refund \$0))
 P.A. 102-0519 added to Village-Corp 47,533 & Library 10,026
 Represents actual cost assumptions

All Village Capped Ceiling levies reduced proportionately by \$66,778 to account for unlevied costs created due to tax caps; funds actual costs of Capped Non-Ceiling levies

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

OPTION 2
2023 TAX LEVY ESTIMATE

10/27/2023

<u>ENTITY</u>	2022	2023		%
<u>Fund</u>	<u>Extension</u>	<u>Estimated</u>	<u>Increase/</u>	<u>Increase</u>
		<u>Levy</u>	<u>(Decrease)</u>	<u>(Decrease)</u>
<u>VILLAGE OF FLOSSMOOR</u>				
<u>General-Capped Ceiling</u>				
Corporate	\$1,025,671	\$988,277	(\$37,394)	-3.65%
Police Protection	1,340,864	1,355,351	14,487	1.08%
Fire Protection	1,340,864	1,355,351	14,487	1.08%
<u>General-Capped Non-Ceiling</u>				
Workers Compensation	97,738	150,811	53,073	54.30%
Liability Insurance	97,738	150,811	53,073	54.30%
Audit	41,843	40,525	(1,318)	-3.15%
Social Security	334,716	332,639	(2,077)	-0.62%
IMRF	169,896	166,700	(3,196)	-1.88%
<u>Police Pension-Capped Non-Ceiling</u>				
Police Pension	1,095,523	1,379,223	283,700	25.90%
<u>Fire Pension-Capped Non-Ceiling</u>				
Fire Pension	399,837	455,115	55,278	13.83%
Total Village-Capped	\$5,944,690	\$6,374,803	\$430,113	7.24%
<u>Fire Pension-Not Capped</u>				
	\$ 44,605	\$ 40,567	(\$4,038)	-9.05%
Debt Service	1,175,390	1,129,019	(46,371)	-3.95%
Less: Abatement	-	-	-	
Total Village-Debt Service	\$1,175,390	\$1,129,019	(\$46,371)	-3.95%
TOTAL VILLAGE	\$7,164,685	\$7,544,389	\$379,704	5.30%
<u>FLOSSMOOR PUBLIC LIBRARY</u>				
<u>Library-Capped Ceiling</u>				
Library	\$1,352,880	\$1,457,755	\$104,875	7.75%
<u>Library-Capped Non-Ceiling</u>				
Social Security-Library	61,579	57,184	(4,395)	-7.14%
IMRF-Library	58,257	45,000	(13,257)	-22.76%
TOTAL LIBRARY	\$1,472,716	\$1,559,939	\$87,223	5.92%
Total Levy	\$8,637,401	\$9,104,328	\$466,927	5.41%

Assumptions:

Ceilings applied to estimated 23 EAV (lesser of 22 EAV + NP or estimated 23 EAV)
 Worker's comp/liability lines based on preliminary 2024 premium; levy includes deductible costs
 Water/Sewer Fund pay full share of its Social Security/Medicare & IMRF costs (21% & 28%)
 Police and Fire Pension done under pre-PA096-1495 reform method (entry age cost) with 20 yr amortization
 to fully fund by 2040; minimum levies per PA096-1495: Police \$1,046,464; Fire \$417,646
 IMRF also reflects rate increase from 6.91 to 6.93
 Debt service at \$1,129,019 per bond ordinances (14-\$245,850; 21-\$883,169 (GO \$668,319; Refund \$214,850))
 Debt service abatement at \$0 (14-\$0; 21-\$0 (GO \$0, Refund \$0))
 P.A. 102-0519 added to Village-Corp 47,533 & Library 10,026
 Represents actual cost assumptions

Option not possible due to tax caps creating \$66,778 in costs that cannot be levied
--

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

OPTION 3
2023 TAX LEVY ESTIMATE

10/27/2023

<u>ENTITY</u>	2022	2023	Increase/	%
<u>Fund</u>	<u>Extension</u>	<u>Estimated Levy</u>	<u>(Decrease)</u>	<u>Increase (Decrease)</u>
<u>VILLAGE OF FLOSSMOOR</u>				
<u>General-Capped Ceiling</u>				
Corporate	\$1,025,671	\$923,760	(\$101,911)	-9.94%
Police Protection	1,340,864	1,265,027	(75,837)	-5.66%
Fire Protection	1,340,864	1,265,027	(75,837)	-5.66%
<u>General-Capped Non-Ceiling</u>				
Workers Compensation	97,738	140,058	42,320	43.30%
Liability Insurance	97,738	140,058	42,320	43.30%
Audit	41,843	36,224	(5,619)	-13.43%
Social Security	334,716	311,133	(23,583)	-7.05%
IMRF	169,896	153,797	(16,099)	-9.48%
<u>Police Pension-Capped Non-Ceiling</u>				
Police Pension	1,095,523	1,284,599	189,076	17.26%
<u>Fire Pension-Capped Non-Ceiling</u>				
Fire Pension	399,837	425,007	25,170	6.30%
Total Village-Capped	\$5,944,690	\$5,944,690	\$0	0.00%
<u>Fire Pension-Not Capped</u>				
	\$ 44,605	\$ 40,567	(\$4,038)	-9.05%
Debt Service	1,175,390	1,129,019	(46,371)	-3.95%
Less: Abatement	-	-	-	
Total Village-Debt Service	\$1,175,390	\$1,129,019	(\$46,371)	-3.95%
TOTAL VILLAGE	\$7,164,685	\$7,114,276	(\$50,409)	-0.70%
<u>FLOSSMOOR PUBLIC LIBRARY</u>				
<u>Library-Capped Ceiling</u>				
Library	\$1,352,880	\$1,457,755	\$104,875	7.75%
<u>Library-Capped Non-Ceiling</u>				
Social Security-Library	61,579	57,184	(4,395)	-7.14%
IMRF-Library	58,257	45,000	(13,257)	-22.76%
TOTAL LIBRARY	\$1,472,716	\$1,559,939	\$87,223	5.92%
Total Levy	\$8,637,401	\$8,674,215	\$36,814	0.43%

Assumptions:

Ceilings applied to estimated 23 EAV (lesser of 22 EAV + NP or estimated 23 EAV)
 Worker's comp/liability lines based on preliminary 2024 premium; levy includes deductible costs
 Water/Sewer Fund pay full share of its Social Security/Medicare & IMRF costs (21% & 28%)
 Police and Fire Pension done under pre-PA096-1495 reform method (entry age cost) with 20 yr amortization
 to fully fund by 2040; minimum levies per PA096-1495: Police \$1,046,464; Fire \$417,646
 IMRF also reflects rate increase from 6.91 to 6.93
 Debt service at \$1,129,019 per bond ordinances (14-\$245,850; 21-\$883,169 (GO \$668,319; Refund \$214,850))
 Debt service abatement at \$0 (14-\$0; 21-\$0 (GO \$0, Refund \$0))
 P.A. 102-0519 added to Village-Corp 47,533 & Library 10,026
 Represents actual cost assumptions

All Village Capped levies reduced proportionately by \$430,113 to result in no increases; includes \$66,778 in unlevied costs created due to tax caps

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

ESTIMATED

ESTIMATED

ESTIMATED

VILLAGE OF FLOSSMOOR

ESTIMATED ANNUAL IMPACT OF PROPERTY TAX INCREASE ON RESIDENT TAX BILLS
UNDER 2022 TAX LEVY RULES - 2023 TAX LEVY - TOTAL RATE**CONVERSION OF 2023 DOLLARS TO RATE**

Total Village Tax Levy 2023	7,477,611
Estimated 2023 EAV	<u>225,539,158</u>

Estimated 2023 Rate	\$ 3.315
2022 Rate	\$ <u>3.206</u>
Rate Impact	\$ <u>0.109</u>

.109 INCREASE

Market Value	\$ 200,000	\$ 300,000	\$ 500,000
x County Assessment Level (10%)*	<u>10%</u>	<u>10%</u>	<u>10%</u>
= Assessed Value	20,000	30,000	50,000
x State Equalization Factor (2022 levy)	<u>2.9237</u>	<u>2.9237</u>	<u>2.9237</u>
= Equalized Assessed Value (EAV)	58,474	87,711	146,185
- Homeowner's Exemption	<u>(10,000)</u>	<u>(10,000)</u>	<u>(10,000)</u>
 = Adjusted EAV	 48,474	 77,711	 136,185
 x Tax Rate Increase	 <u>0.109</u>	 <u>0.109</u>	 <u>0.109</u>
 = Increased Tax Amount	 <u>\$ 53.05</u>	 <u>\$ 85.05</u>	 <u>\$ 149.04</u>

*Based on 10% as Cook County "10/25 ordinance" (10%) even though ordinance was effective for 2009 only. County calculated 2020 EAV using 10% and is likely to do so until challenged. Pre-ordinance level was 16%.

2017: Homeowners exemption increased to \$10,000; senior exemption to \$8,000

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

ESTIMATED

ESTIMATED

ESTIMATED

ESTIMATED

ESTIMATED

ESTIMATED

VILLAGE OF FLOSSMOOR

ESTIMATED ANNUAL IMPACT OF PROPERTY TAX INCREASE ON RESIDENT TAX BILLS
UNDER 2022 TAX LEVY RULES - 2023 TAX LEVY - CAPPED RATE ONLY**CONVERSION OF 2023 DOLLARS TO RATE**

Total Village Tax Levy 2023	6,308,025
Estimated 2023 EAV	<u>225,539,158</u>

Estimated 2023 Rate	\$ 2.797
2022 Rate	\$ 2.639
Rate Impact	<u>\$ 0.158</u>

.158 INCREASE

Market Value	\$ 200,000	\$ 300,000	\$ 500,000
x County Assessment Level (10%)*	<u>10%</u>	<u>10%</u>	<u>10%</u>
= Assessed Value	20,000	30,000	50,000
x State Equalization Factor (2022 levy)	<u>2.9237</u>	<u>2.9237</u>	<u>2.9237</u>
= Equalized Assessed Value (EAV)	58,474	87,711	146,185
- Homeowner's Exemption	<u>(10,000)</u>	<u>(10,000)</u>	<u>(10,000)</u>
 = Adjusted EAV	 48,474	 77,711	 136,185
 x Tax Rate Increase	 <u>0.158</u>	 <u>0.158</u>	 <u>0.158</u>
 = Increased Tax Amount	 <u>\$ 76.52</u>	 <u>\$ 122.68</u>	 <u>\$ 214.99</u>

*Based on 10% as Cook County "10/25 ordinance" (10%) even though ordinance was effective for 2009 only. County calculated 2020 EAV using 10% and is likely to do so until challenged. Pre-ordinance level was 16%.

2017: Homeowners exemption increased to \$10,000; senior exemption to \$8,000

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

ESTIMATED

ESTIMATED

ESTIMATED

VILLAGE OF FLOSSMOOR
TAX LEVY EAV HISTORY
1995 LEVY TO 2022 LEVY

Levy Year	EAV	% Increase/ (Decrease)
1995	145,148,075	
1996	150,110,549	3.4%
1997	150,264,627	0.1%
1998	154,895,734	3.1%
1999	166,394,260	7.4%
2000	167,468,071	0.6%
2001	176,600,546	5.5%
2002	210,522,077	19.2%
2003	206,910,773	-1.7%
2004	215,202,589	4.0%
2005	245,017,492	13.9%
2006	254,595,867	3.9%
2007	274,805,644	7.9%
2008	294,601,766	7.2%
2009	307,631,825	4.4%
2010	310,504,671	0.9%
2011	242,666,993	-21.8%
2012	219,815,910	-9.4%
2013	205,297,740	-6.6%
2014	197,446,531	-3.8%
2015	192,569,506	-2.5%
2016	210,784,601	9.5%
2017	242,753,750	15.2%
2018	235,242,412	-3.1%
2019	221,097,215	-6.0%
2020	254,838,234	15.3%
2021	229,065,605	-10.1%
2022	223,477,388	-2.4%

VILLAGE OF FLOSSMOOR
TAX LEVY ABATEMENT HISTORY
1995 LEVY TO 2022 LEVY

Levy Year	Abatement Amount	Abatement Description
1995	72,926	1988 street bonds (59,217); ssa #2 bonds (13,709)
1996	25,985	1988 street bonds/1996 refunding bonds (10,417); ssa #2 bonds (15,568)
1997	17,484	ssa #2 bonds
1998	-	No tax levy supported debt
1999	-	No tax levy supported debt
2000	-	No tax levy supported debt
2001	-	No tax levy supported debt
2002	-	None
2003	-	None
2004	-	None
2005	-	None
2006	-	None
2007	-	None
2008	-	None
2009	-	None
2010	6,534	2002 library bonds/2009 GO refunding bonds
2011	4,182	2002 library bonds/2009 GO refunding bonds
2012	29,290	2002 library bonds/2009 GO refunding bonds
2013	4,729	2013 water main GO bonds
2014	5,433	2002 library bonds/2009 GO refunding bonds (2,751), 2013 water main GO bonds (2,682)
2015	3,720	2014 water main GO bonds
2016	7,768	2014 water main GO bonds
2017	-	None
2018	1,397	2002 library bonds/2009 GO refunding bonds/2017 GO refunding bonds
2019	-	None
2020	-	None
2021	1,500	2021 streets and stormwater bonds
2022	-	None

VILLAGE OF FLOSSMOOR
PROPERTY TAX RATES
2022 LEVY PAYABLE 2023

<u>Taxing Entity</u>	<u>Total Tax Rate</u>	<u>% Of Total</u>	<u>G.O. Bonds Rate</u>	<u>Tax Rate Less G.O. Bonds</u>	<u>% Of Total</u>
High School District 233	5.807	31.6%		5.807	31.6%
Grade School District 161	5.874	31.9%		5.874	31.9%
Village of Flossmoor	3.206	17.4%	0.526	2.680	14.6%
				0.526	3.0%
H-F Park District	0.953	5.2%		0.953	5.2%
Cook County	0.431	2.3%		0.431	2.3%
Flossmoor Public Library	0.659	3.6%		0.659	3.6%
Metro Water Recl Dist of Chicago	0.374	2.0%		0.374	2.0%
Prairie State Comm Coll Dist 515	0.546	3.0%		0.546	3.0%
Rich Township	0.445	2.4%		0.445	2.4%
Forest Preserve Dist of Cook Co	0.081	0.4%		0.081	0.4%
So County Mosquito Abate Dist	0.021	0.1%		0.021	0.1%
Consolidated Elections	-	0.0%		-	0.0%
TOTAL-RICH TOWNSHIP	<u>18.397</u>	<u>100.0%</u>		<u>18.397</u>	<u>100.0%</u>
Bloom Township	<u>0.428</u>			<u>0.428</u>	
TOTAL BLOOM TOWNSHIP	<u>18.380</u>			<u>18.380</u>	

Source: Cook County Clerk

Notes: % based on Rich Twp rate

G.O. bonds rate includes 2013 water main bonds/2021 refuning bonds, 2014 water main bonds & 2021 streets and storm sewer improvement bonds.

VILLAGE OF FLOSSMOOR
TAX LEVY RATE HISTORY
1986 LEVY TO 2023 LEVY

Source: ACFR

<u>Levy Year</u>	<u>Total Village of Flossmoor Rate</u>	<u>% Inc/(Dec) Prior Year</u>	<u>Total Bloom Twp Rate</u>	<u>Village % Of Total</u>	<u>Total Rich Twp Rate</u>	<u>Village % Of Total</u>	<u>Ref GO Bonds Portion Of VOF Rate</u>	<u>Village Rate w/o Ref GO Bonds</u>	<u>Village % Of Total w/o GO Bonds</u>
1986	2.339		12.310	19.0%	12.083	19.4%			
1987	2.186	-6.5%	11.748	18.6%	11.515	19.0%			
1988	2.338	7.0%	12.561	18.6%	12.144	19.3%			
1989	2.230	-4.6%	12.974	17.2%	12.567	17.7%			
1990	1.842	-17.4%	11.805	15.6%	11.463	16.1%			
1991	1.807	-1.9%	12.155	14.9%	11.875	15.2%			
1992	1.699	-6.0%	12.278	13.8%	11.983	14.2%			
1993	1.544	-9.1%	11.716	13.2%	11.632	13.3%			
1994	1.673	8.4%	12.573	13.3%	12.466	13.4%			
1995	1.677	0.2%	13.524	12.4%	13.503	12.4%			
1996	1.572	-6.3%	13.112	12.0%	13.157	11.9%			
1997	1.581	0.6%	13.458	11.7%	13.460	11.7%			
1998	1.338	-15.4%	13.280	10.1%	13.293	10.1%			
1999	1.291	-3.5%	12.661	10.2%	12.681	10.2%			
2000	1.348	4.4%	13.080	10.3%	13.109	10.3%			
2001	1.344	-0.3%	13.094	10.3%	13.136	10.2%			
2002	1.462	8.8%	12.498	11.7%	12.541	11.7%	0.300	1.162	9.3%
2003	1.545	5.7%	13.162	11.7%	13.208	11.7%	0.318	1.227	9.3%
2004	1.528	-1.1%	13.072	11.7%	13.122	11.6%	0.308	1.220	9.3%
2005	1.397	-8.6%	12.068	11.6%	12.114	11.5%	0.272	1.125	9.3%
2006	1.633	16.9%	12.333	13.2%	12.376	13.2%	0.263	1.370	11.1%
2007	1.622	-0.7%	11.927	13.6%	11.971	13.5%	0.245	1.377	11.5%
2008	1.626	0.2%	11.486	14.2%	11.535	14.1%	0.230	1.396	12.1%
2009	1.616	-0.6%	11.236	14.4%	11.284	14.3%	0.220	1.396	12.4%
2010	1.704	5.4%	11.513	14.8%	11.574	14.7%	0.210	1.494	12.9%
2011	2.219	30.2%	14.533	15.3%	14.615	15.2%	0.272	1.947	13.3%
2012	2.593	16.9%	16.473	15.7%	16.567	15.7%	0.385	2.208	13.3%
2013	2.771	6.9%	17.854	15.5%	17.948	15.4%	0.425	2.346	13.1%
2014	3.019	8.9%	19.078	15.8%	19.158	15.8%	0.568	2.451	12.8%
2015	3.138	3.9%	19.871	15.8%	19.942	15.7%	0.589	2.549	12.8%
2016	2.962	-5.6%	18.827	15.7%	18.893	15.7%	0.537	2.425	12.8%
2017	2.614	-11.7%	17.129	15.3%	17.187	15.2%	0.463	2.151	12.5%
2018	2.757	5.5%	17.751	15.5%	17.817	15.5%	0.482	2.275	12.8%
2019	2.995	8.6%	18.420	16.3%	18.481	16.2%	0.511	2.484	13.4%
2020	2.652	-11.5%	16.014	16.6%	15.974	16.6%	0.448	2.204	13.8%
2021	3.004	13.3%	17.896	16.8%	17.945	16.7%	0.512	2.492	13.9%
2022	3.206	6.7%	18.380	17.4%	18.397	17.4%	0.526	2.680	14.6%

Notes: GO Bonds 2002-2011 includes 2002 library/2009 refunding bonds only.

GO Bonds 2012-2013 includes 2002 library/2009 refunding bonds & 2013 water main bonds.

GO Bonds 2014-2016 includes 2002 library/2009 refunding bonds, 2013 water main bonds & 2014 water main bonds.

GO Bonds 2017-2020 includes 2002 library/2009/2017 refunding bonds, 2013 water main bonds & 2014 water main bonds.

GO Bonds 2021-2022 includes 2013 water main/2021 refunding bonds, 2014 water main bonds & 2021 streets and storm sewer improvement bonds.



FLOSSMOOR

Welcoming. Beautiful. Connected.

Village of Flossmoor
Police Pension Fund
2800 Flossmoor Road
Flossmoor, Illinois 60422
Phone: 708.957.4500
TDD: 708.647.0179
Fax: 708.957.4580
www.flossmoor.org

President
Clinton Wagner

Mr. Scott Bordui - Finance Director
Village of Flossmoor
2800 Flossmoor Road
Flossmoor, IL. 60422

Dear Mr. Bordui,

October 11, 2023

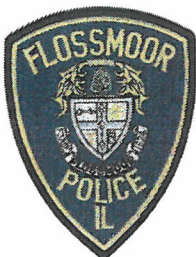
During the regular meeting of the Flossmoor Police Pension Board on October 11th 2023, a presentation was conducted by the actuarial firm Nyhart Consulting regarding the Actuarial Valuation Results for FY 2023 which will help prepare the FY 2024 budget for the Village of Flossmoor's Budget.

The Board discussed the various valuation assumptions outlined for interest, salary, mortality, amortization rates, pension consolidation, as well as straight market versus smoothed market valuations. Following the presentation and discussion a motion was passed accepting the recommended funding amount. The Flossmoor Police Pension Board voted to request the recommended tax levy amount of **\$1,379,223** be adopted under Public Act 096-1495 Tax Levy Requirement.

The Board also discussed and approved the Municipal Compliance Report prepared by Lauterbach & Amen under Public Act 95-0950 for the fiscal year ending April 30, 2023.

Respectfully submitted,

Clinton A. Wagner
President of the Flossmoor Police Pension Fund



Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

THE VILLAGE OF FLOSSMOOR, ILLINOIS
POLICE PENSION FUND

PUBLIC ACT 95-0950
MUNICIPAL COMPLIANCE REPORT

FOR THE FISCAL YEAR ENDED
APRIL 30, 2023

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)



Lauterbach & Amen, LLP

CERTIFIED PUBLIC ACCOUNTANTS

668 NORTH RIVER RD • NAPERVILLE, ILLINOIS 60563

PHONE 630.393.1483 • FAX 630.393.2516
www.lauterbachamen.com

October 9, 2023

Members of the Pension Board of Trustees
Flossmoor Police Pension Fund
Flossmoor, Illinois

Enclosed please find a copy of your Municipal Compliance Report for the Flossmoor Police Pension Fund for the fiscal year ended April 30, 2023. We have prepared the report with the most recent information available at our office. Should you have more current information, or notice any inaccuracies, we are prepared to make any necessary revisions and return them to you.

The President and Secretary of the Pension Fund are required to sign the report on page 3. If not already included with the enclosed report, please also include a copy of the Pension Fund's most recent investment policy.

The signed Public Act 95-0950 - Municipal Compliance Report must be provided to the Municipality before the tax levy is filed on the last Tuesday in December. We are sending the report via email to promote an environmentally-friendly work atmosphere.

If you have any questions regarding this report, please contact your Client Manager or PSA.

Respectfully submitted,

Lauterbach & Amen, LLP

LAUTERBACH & AMEN, LLP

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

THE VILLAGE OF FLOSSMOOR, ILLINOIS
POLICE PENSION FUND

Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023

The Pension Board certifies to the Board of Trustees of the Village of Flossmoor, Illinois on the condition of the Pension Fund at the end of its most recently completed fiscal year the following information:

- 1) The total cash and investments, including accrued interest, of the fund at market value and the total net position of the Pension Fund:

	Current Fiscal Year	Preceding Fiscal Year
Total Cash and Investments (including accrued interest)	\$18,204,620	\$18,237,085
Total Net Position	\$18,203,937	\$18,230,548

- 2) The estimated receipts during the next succeeding fiscal year from deductions from the salaries of police officers and from other sources:

Estimated Receipts - Employee Contributions	\$205,600
Estimated Receipts - All Other Sources	
Investment Earnings	\$1,237,900
Municipal Contribution	\$1,379,223

- 3) The estimated amount required during the next succeeding fiscal year to (a) pay all pensions and other obligations provided in Article 3 of the Illinois Pension Code, and (b) to meet the annual requirements of the fund as provided in Sections 3-125 and 3-127:

(a) Pay all Pensions and Other Obligations	\$1,751,900
(b) Annual Requirement of the Fund as Determined by:	
Illinois Police Officers' Pension Investment Fund	N/A
Private Actuary - NyHart	
Recommended Municipal Contribution	\$1,379,223
Statutory Municipal Contribution	\$1,046,464

THE VILLAGE OF FLOSSMOOR, ILLINOIS
POLICE PENSION FUND

Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023

- 4) The total net income received from investment of assets along with the assumed investment return and actual investment return received by the fund during its most recently completed fiscal year compared to the total net income, assumed investment return, and actual investment return received during the preceding fiscal year:

	Current Fiscal Year	Preceding Fiscal Year
Net Income Received from Investment of Assets	\$501,915	(\$513,277)
Assumed Investment Return		
Illinois Police Officers' Pension Investment Fund	N/A	6.800%
Private Actuary - NyHart	6.800%	7.000%
Actual Investment Return	2.755%	(2.770)%

- 5) The total number of active employees who are financially contributing to the fund:

Number of Active Members	20
--------------------------	----

- 6) The total amount that was disbursed in benefits during the fiscal year, including the number of and total amount disbursed to (i) annuitants in receipt of a regular retirement pension, (ii) recipients being paid a disability pension, and (iii) survivors and children in receipt of benefits:

	Number of	Total Amount Disbursed
(i) Regular Retirement Pension	13	\$1,109,862
(ii) Disability Pension	3	\$139,249
(iii) Survivors and Child Benefits	2	\$122,556
Totals	18	\$1,371,667

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
POLICE PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

- 7) The funded ratio of the fund:

	Current Fiscal Year	Preceding Fiscal Year
Illinois Police Officers' Pension Investment Fund	N/A	64.60%
Private Actuary - NyHart	60.75%	65.92%

- 8) The unfunded liability carried by the fund, along with an actuarial explanation of the unfunded liability:

Unfunded Liability:

Illinois Police Officers' Pension Investment Fund	N/A
Private Actuary - NyHart	\$12,246,746

The accrued liability is the actuarial present value of the portion of the projected benefits that has been accrued as of the valuation date based upon the actuarial valuation method and the actuarial assumptions employed in the valuation. The unfunded accrued liability is the excess of the accrued liability over the actuarial value of assets.

- 9) Please see attached Investment/Cash Management policy if applicable

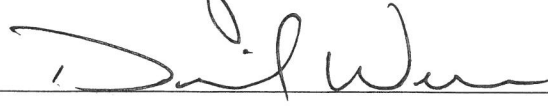
Please see Notes Page attached.

CERTIFICATION OF MUNICIPAL POLICE
PENSION FUND COMPLIANCE REPORT

The Board of Trustees of the Pension Fund, based upon information and belief, and to the best of our knowledge, hereby certify pursuant to §3-143 of the Illinois Pension Code 40 ILCS 5/3-143, that the preceding report is true and accurate.

Adopted this 11th day of October, 2023

President  Date 10/11/23

Secretary  Date 10/11/23

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
POLICE PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

INDEX OF ASSUMPTIONS

- 1) Total Cash and Investments - as Reported at Market Value in the Audited Financial Statements for the Years Ended April 30, 2023 and 2022.

Total Net Position - as Reported in the Audited Financial Statements for the Years Ended April 30, 2023 and 2022.

- 2) Estimated Receipts - Employee Contributions as Reported in the Audited Financial Statements for the Year Ended April 30, 2023 plus 3% Increase (Actuarial Salary Increase Assumption) Rounded to the Nearest \$100.

Estimated Receipts - All Other Sources:

Investment Earnings - Cash and Investments as Reported in the Audited Financial Statements for the Year Ended April 30, 2023, times 6.8% (Actuarial Investment Return Assumption) Rounded to the Nearest \$100.

Municipal Contributions - Recommended Tax Levy Requirement as Reported by NyHart, Actuarial Valuation for the Year Ended April 30, 2023.

- 3) (a) Pay all Pensions and Other Obligations - Total Non-Investment Deductions as Reported in the Audited Financial Statements for the Year Ended April 30, 2023, plus a 25% Increase, Rounded to the Nearest \$100.

(b) Annual Requirement of the Fund as Determined by:

Illinois Police Officers' Pension Investment Fund - No April 30, 2023 Actuarial Valuation available at the time of this report.

Private Actuary - NyHart:

Recommended Amount of Tax Levy as Reported by NyHart in the April 30, 2023 Actuarial Valuation.

Statutorily Required Amount of Tax Levy as Reported by NyHart in the April 30, 2023 Actuarial Valuation.

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
POLICE PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

INDEX OF ASSUMPTIONS

- 4) Net Income Received from Investment of Assets - Investment Income (Loss) net of Investment Expense, as Reported in the Audited Financial Statements for the Years Ended April 30, 2023 and 2022.

Assumed Investment Return:

Illinois Police Officers' Pension Investment Fund - Preceding Fiscal Year Interest Rate Assumption as Reported in the April 30, 2022 Actuarial Valuation. No April 30, 2023 Actuarial Valuation available at the time of this report.

Private Actuary - Current and Preceding Fiscal Year Interest Rate Assumption as Reported in the Years Ended April 30, 2023 and 2022 Actuarial Valuations.

Actual Investment Return -Net Income Received from Investments as Reported Above as a Percentage of the Average of the Beginning and Ending Balances of the Fiscal Year Cash Investments, Excluding Net Investment Income, Gains, and Losses for the Fiscal Year Return Being calculated, as Reported in the Audited Financial Statements for the Fiscal Years Ended April 30, 2023 and 2022.

- 5) Number of Active Members - Illinois Department of Insurance Annual Statement for April 30, 2023 - Schedule P.
- 6) (i) Regular Retirement Pension - Illinois Department of Insurance Annual Statement for April 30, 2023 - Schedule P for Number of Participants and Expense page 1 for Total Amount Disbursed.
- (ii) Disability Pension - Same as above.
- (iii) Survivors and Child Benefits - Same as above.

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
POLICE PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

INDEX OF ASSUMPTIONS

7) The funded ratio of the fund:

Illinois Police Officers' Pension Investment Fund - Preceding Fiscal Year Net Present Assets as a percentage of Total Assets as Reported in the April 30, 2022 Actuarial Valuation. No April 30, 2023 Actuarial Valuation available at the time of this report.

Private Actuary - Current and Preceding Fiscal Year Net Present Assets as a percentage of Total Assets as Reported in the April 30, 2023 and 2022 Actuarial Valuations.

8) Unfunded Liability:

Illinois Police Officers' Pension Investment Fund - Deferred Asset (Unfunded Accrued Liability) - No April 30, 2023 Actuarial Valuation available at the time of this report.

Private Actuary - Deferred Asset (Unfunded Accrued Liability) as Reported by NyHart in the April 30, 2023 Actuarial Valuation.

THE VILLAGE OF FLOSSMOOR, ILLINOIS
FIREFIGHTERS' PENSION FUND

PUBLIC ACT 95-0950
MUNICIPAL COMPLIANCE REPORT

FOR THE FISCAL YEAR ENDED
APRIL 30, 2023

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)



Lauterbach & Amen, LLP

CERTIFIED PUBLIC ACCOUNTANTS

668 NORTH RIVER RD. • NAPERVILLE, ILLINOIS 60563

PHONE 630.393.1483 • FAX 630.393.2516
www.lauterbachamen.com

October 4, 2023

Members of the Pension Board of Trustees
Flossmoor Firefighters' Pension Fund
Flossmoor, Illinois

Enclosed please find a copy of your Municipal Compliance Report for the Flossmoor Firefighters' Pension Fund for the fiscal year ended April 30, 2023. We have prepared the report with the most recent information available at our office. Should you have more current information, or notice any inaccuracies, we are prepared to make any necessary revisions and return them to you.

The President and Secretary of the Pension Fund are required to sign the report on page 3. If not already included with the enclosed report, please also include a copy of the Pension Fund's most recent investment policy.

The signed Public Act 95-0950 - Municipal Compliance Report must be provided to the Municipality before the tax levy is filed on the last Tuesday in December. We are sending the report via email to promote an environmentally-friendly work atmosphere.

If you have any questions regarding this report, please contact your Client Manager or PSA.

Respectfully submitted,

Lauterbach & Amen, LLP

LAUTERBACH & AMEN, LLP

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

The Pension Board certifies to the Board of Trustees of the Village of Flossmoor, Illinois on the condition of the Pension Fund at the end of its most recently completed fiscal year the following information:

- 1) The total cash and investments, including accrued interest, of the fund at market value and the total net position of the Pension Fund:

	Current Fiscal Year	Preceding Fiscal Year
Total Cash and Investments (including accrued interest)	\$3,088,277	\$3,143,076
Total Net Position	\$3,058,786	\$3,109,837

- 2) The estimated receipts during the next succeeding fiscal year from deductions from the salaries of firefighters' and from other sources:

Estimated Receipts - Employee Contributions	\$63,100
Estimated Receipts - All Other Sources	
Investment Earnings	\$220,000
Municipal Contributions	\$495,682

- 3) The estimated amount necessary during the fiscal year to meet the annual actuarial requirements of the pension fund as provided in Sections 4-118 and 4-120:

Annual Requirement of the Fund as Determined by:

Firefighters' Pension Investment Fund	N/A
Private Actuary - Nyhart	
Recommended Municipal Contributions	\$495,682
Statutory Municipal Contributions	\$417,646

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

- 4) The total net income received from investment of assets along with the assumed investment return and actual investment return received by the fund during its most recently completed fiscal year compared to the total net income, assumed investment return, and actual investment return received during the preceding fiscal year:

	Current Fiscal Year	Preceding Fiscal Year
Net Income Received from Investment of Assets	(\$44,849)	(\$22,792)
Assumed Investment Return		
Firefighters' Pension Investment Fund	N/A	7.125%
Private Actuary - Nyhart	7.125%	7.125%
Actual Investment Return	(1.439)%	(0.728)%

- 5) The increase in employer pension contributions that results from the implementation of the provisions of P.A. 93-0689:

Firefighters' Pension Investment Fund	N/A
Private Actuary - Nyhart	\$40,567

- 6) The total number of active employees who are financially contributing to the fund:

Number of Active Members	5
--------------------------	---

- 7) The total amount that was disbursed in benefits during the fiscal year, including the number of and total amount disbursed to (i) annuitants in receipt of a regular retirement pension, (ii) recipients being paid a disability pension, and (iii) survivors and children in receipt of benefits:

	Number of	Total Amount Disbursed
(i) Regular Retirement Pension	4	\$278,758
(ii) Disability Pension	0	\$0
(iii) Survivors and Child Benefits	1	\$94,457
Totals	5	\$373,216

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

8) The funded ratio of the fund:

	Current Fiscal Year	Preceding Fiscal Year
Firefighters' Pension Investment Fund	N/A	50.37%
Private Actuary - Nyhart	43.23%	42.92%

9) The unfunded liability carried by the fund, along with an actuarial explanation of the unfunded liability:

Unfunded Liability:

Firefighters' Pension Investment Fund	N/A
Private Actuary - Nyhart	\$4,372,656

The accrued liability is the actuarial present value of the portion of the projected benefits that has been accrued as of the valuation date based upon the actuarial valuation method and the actuarial assumptions employed in the valuation. The unfunded accrued liability is the excess of the accrued liability over the actuarial value of assets.

10) Please see attached Investment/Cash Management policy if applicable

Please see Notes Page attached.

CERTIFICATION OF MUNICIPAL FIREFIGHTERS'
PENSION FUND COMPLIANCE REPORT

The Board of Trustees of the Pension Fund, based upon information and belief, and to the best of our knowledge, hereby certify pursuant to §4-134 of the Illinois Pension Code 40 ILCS 5/4-134, that the preceding report is true and accurate.

Adopted this 5 day of October, 2023

President  Date 10/5/23

Secretary  Date 10/5/23

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

INDEX OF ASSUMPTIONS

- 1) Total Cash and Investments - as Reported at Market Value in the Audited Financial Statements for the Years Ended April 30, 2023 and 2022.

Total Net Position - as Reported in the Audited Financial Statements for the Years Ended April 30, 2023 and 2022.

- 2) Estimated Receipts - Employee Contributions as Reported in the Audited Financial Statements for the Year Ended April 30, 2023 plus 2.75% Increase (Actuarial Salary Increase Assumption) Rounded to the Nearest \$100.

Estimated Receipts - All Other Sources

Investment Earnings - Cash and Investments as Reported in the Audited Financial Statements for the Year Ended April 30, 2023, times 7.125% (Actuarial Investment Return Assumption) Rounded to the Nearest \$100.

Municipal Contributions - Recommended Tax Levy Requirement as Reported by Nyhart, Actuarial Valuation for the Year Ended April 30, 2023.

- 3) Annual Requirement of the Fund as Determined by:

Firefighters' Pension Investment Fund - No April 30, 2023 Actuarial Valuation available at the time of this report.

Private Actuary - Nyhart:

Recommended Amount of Tax Levy as Reported by Nyhart in the April 30, 2023 Actuarial Valuation.

Statutorily Required Amount of Tax Levy as Reported by Nyhart in the April 30, 2023 Actuarial Valuation.

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

INDEX OF ASSUMPTIONS

- 4) Net Income Received from Investment of Assets - Investment Income (Loss) net of Investment Expense, as Reported in the Audited Financial Statements for the Years Ended April 30, 2023 and 2022.

Assumed Investment Return:

Firefighters' Pension Investment Fund - Preceding Fiscal Year Interest Rate Assumption as Reported in the April 30, 2022 Actuarial Valuation. No April 30, 2023 Actuarial Valuation available at the time of this report.

Private Actuary - Current and Preceding Fiscal Year Interest Rate Assumption as Reported in the Years Ended April 30, 2023 and 2022 Actuarial Valuations.

Actual Investment Return -Net Income Received from Investments as Reported Above as a Percentage of the Average of the Beginning and Ending Balances of the Fiscal Year Cash Investments, Excluding Net Investment Income, Gains, and Losses for the Fiscal Year Return Being calculated, as Reported in the Audited Financial Statements for the Fiscal Years Ended April 30, 2023 and 2022.

- 5) Illinois Department of Insurance - Amount of total suggested tax levy to be excluded from the property tax extension limitation law as contemplated by 35 ILCS 200/18-185.

Private Actuary - Nyhart Suggested Amount of total tax levy to be excluded from the property tax extension limitation law as contemplated by 35 ILCS 200/18-185.

FROM THE PROPERTY TAX EXTENSION LIMITATION LAW AS
CONTEMPLATED BY 35 ILCS 200/18-185.

- 6) Number of Active Members - Illinois Department of Insurance Annual Statement for April 30, 2023 - Schedule P.
- 7) (i) Regular Retirement Pension - Illinois Department of Insurance Annual Statement for April 30, 2023 - Schedule P for Number of Participants and Expense page 1 for Total Amount Disbursed.
- (ii) Disability Pension - Same as above.
- (iii) Survivors and Child Benefits - Same as above.

**THE VILLAGE OF FLOSSMOOR, ILLINOIS
FIREFIGHTERS' PENSION FUND**

**Public Act 95-950 - Municipal Compliance Report
For the Fiscal Year Ending April 30, 2023**

INDEX OF ASSUMPTIONS

8) The funded ratio of the fund:

Firefighters' Pension Investment Fund - Preceding Fiscal Year Net Present Assets as a percentage of Total Assets as Reported in the April 30, 2022 Actuarial Valuation. No April 30, 2023 Actuarial Valuation available at the time of this report.

Private Actuary - Current and Preceding Fiscal Year Net Present Assets as a percentage of Total Assets as Reported in the April 30, 2023 and 2022 Actuarial Valuations.

9) Unfunded Liability:

Firefighters' Pension Investment Fund - Deferred Asset (Unfunded Accrued Liability) - No April 30, 2023 Actuarial Valuation available at the time of this report.

Private Actuary - Deferred Asset (Unfunded Accrued Liability) as Reported by Nyhart in the April 30, 2023 Actuarial Valuation.

ESTIMATED LIBRARY LEVY FOR THE TAX YEAR 2023

2022 TAX EXTENSION	GRAND TOTAL:	\$1,472,716
CPI INCREASE (5.0%)		\$73,636
NEW PROPERTY:		\$13,587
TOTAL LIBRARY LEVY:		\$1,559,939

2022 EXTENSION	2023 ESTIMATED LEVY	INCREASE	% INCREASE
\$1,472,716	\$1,559,939	\$87,223	5.92%

RECOMMENDED LEVY LINES:

CORPORATE RATE:	\$1,457,755
FICA/MEDICARE:	\$57,184
IMRF:	\$45,000
TOTAL LIBRARY LEVY:	\$1,559,939

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)

Scott Bordui

From: Jamie Paicely <paicelyj@flossmoorlibrary.org>
Sent: Tuesday, October 17, 2023 4:27 PM
To: Scott Bordui
Cc: Bridget Wachtel
Subject: Re: Tax Levy Estimate
Attachments: 2023 Levy.xlsx

Hi Scott,

They did look at it and there were no requested changes. It will be voted on at the November meeting on Tuesday, November 14th. I do not anticipate any changes to it.

Here is the one that they will approve next month.

Let me know if you have any questions

Jamie

On Tue, Oct 17, 2023 at 4:02 PM Scott Bordui <sbordui@flossmoor.org> wrote:

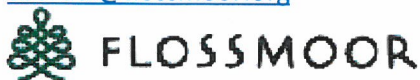
Hi Jamie,

Did the Library Board approve a recommended tax levy estimate last week? If so, could you please forward it to me? The tax levy estimate will be on the next Village Board agenda which is November 6. I'll need it by the end of next week to have time to prepare.

Thanks!

Scott

Scott Bordui, CPA, CGMA
 Finance Director
 Village of Flossmoor
 708-335-5405
sbordui@flossmoor.org



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Jamie L Paicely
 Library Director
 Flossmoor Public Library
 1000 Sterling Ave
 Flossmoor, IL 60422
 708-798-3600 x 206

Attachment: Agenda 2023-11-6 TL (2023 Tax Levy Estimate)