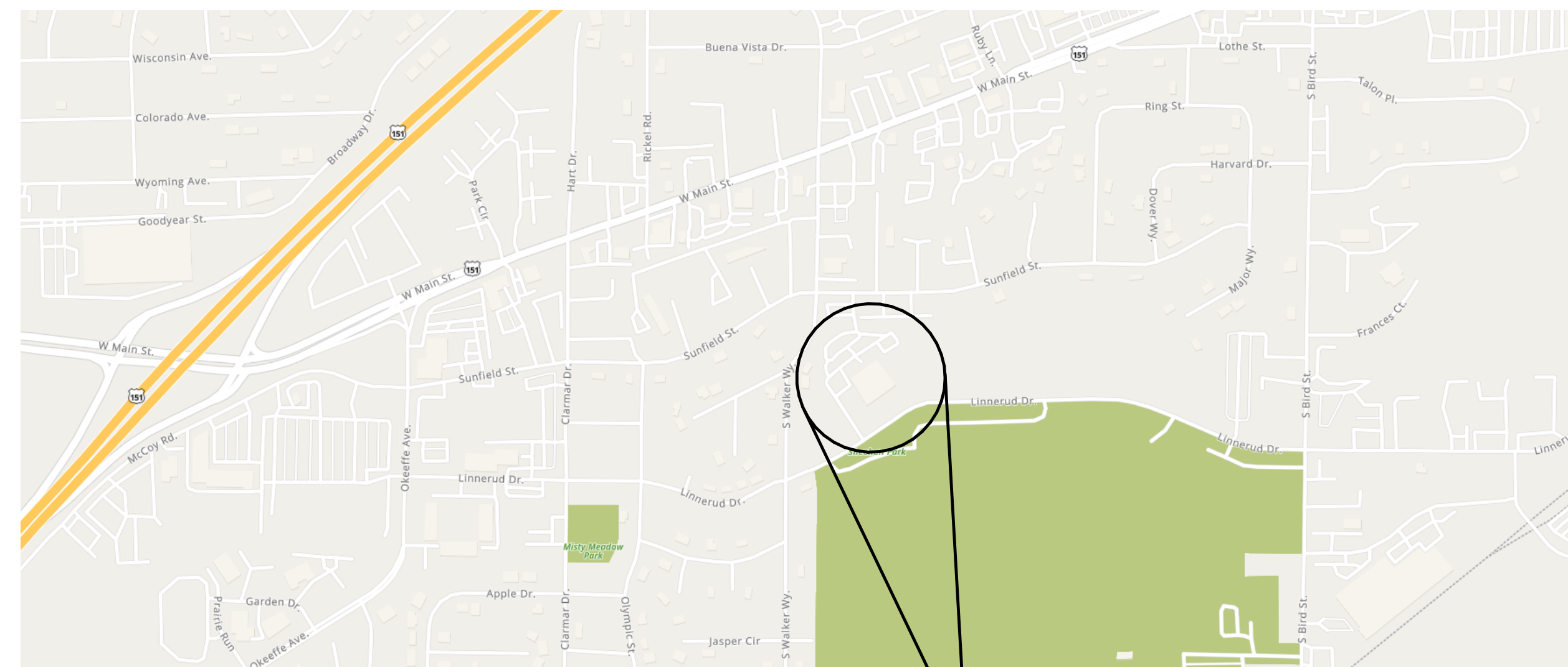


CITY OF SUN PRAIRIE SUN PRAIRIE PUBLIC LIBRARY REMODEL AND ADDITION

1350 LINNERUD DRIVE
SUN PRAIRIE, WI



ISSUED FOR: DESIGN DEVELOPMENT



VICINITY MAP
NOT TO SCALE

PROJECT LOCATION

CONTACT INFORMATION

ARCHITECT

FEH DESIGN
951 MAIN STREET
DUBUQUE, IOWA 52001

PH: (563)583-4900

STRUCTURAL

FEH DESIGN
951 MAIN STREET
DUBUQUE, IOWA 52001

PH: (563)583-4900

MECHANICAL

DESIGN ENGINEERS
8215 GREENWAY BLVD SUITE 180
MADISON, WI 53717

PH: (608)424-8815

ELECTRICAL

DESIGN ENGINEERS
8215 GREENWAY BLVD SUITE 180
MADISON, WI 53717

PH: (608)424-8815

CIVIL

SNYDER AND ASSOCIATE
5010 VOGES ROAD
MADISON, WI 53718

PH: (608)838-0444

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FEH DESIGN



SNYDER & ASSOCIATES

DESIGN ENGINEERS



IN ASSOCIATION WITH

SHEET TITLE
TITLE SHEET

PROJECT TITLE CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/07/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET

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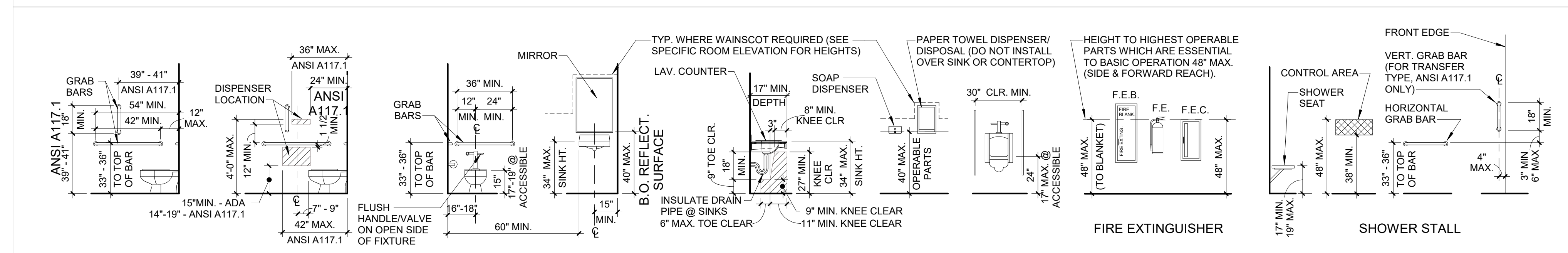
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FEH DESIGN
SIOUX CITY, IA (712) 252-3889
DES MOINES, IA (515) 288-2000
DUBUQUE, IA (563) 583-4900
OCONOMOWOC, WI (262) 968-2055
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ABBREVIATIONS: ARCHITECTURAL DRAWING LIST, SOME DESIGNATIONS MAY NOT BE APPLICABLE

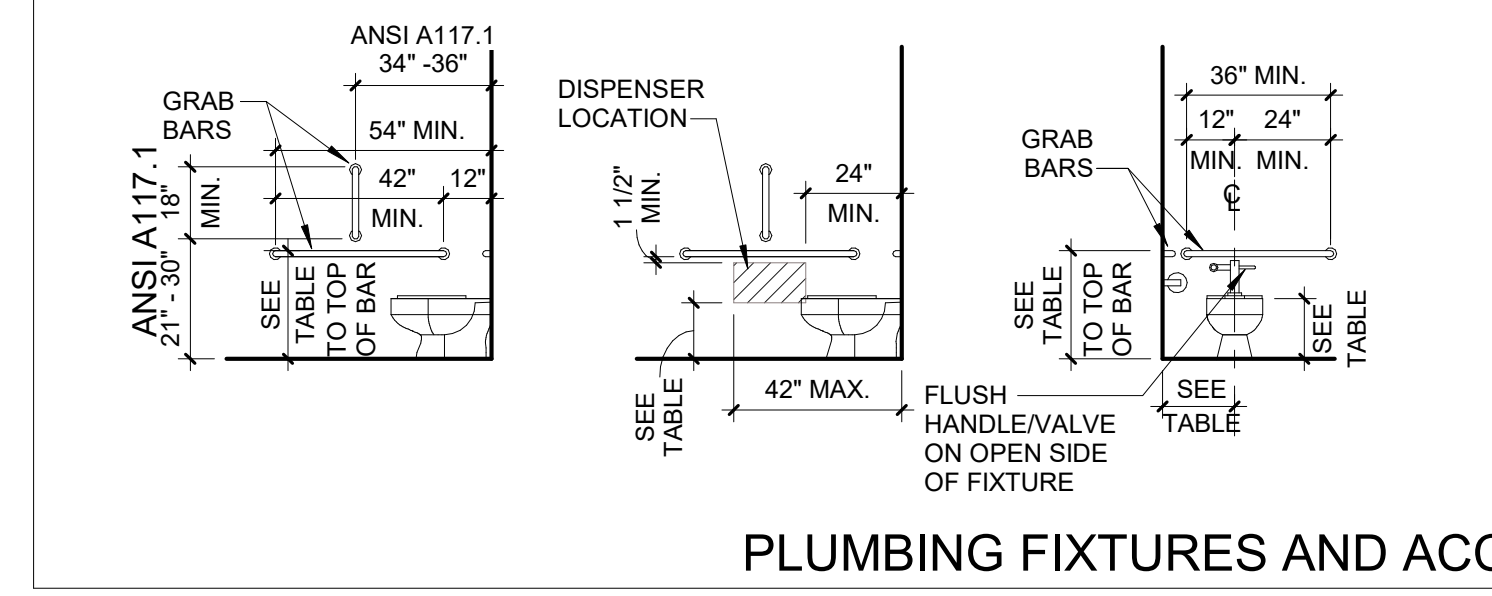
A	AB	ANCHOR BOLT	G	G, GND	GROUND GAUGE	Q	QT	QUARRY TILE
	A/C	AIR CONDITIONING		GA	GALVANIZED		R	R, RAD
	ACT	ACOUSTICAL CEILING TILE		GB	GYPSON BOARD		RA	RUBBER AIR
	ADA	AMERICANS WITH DISABILITIES ACT		GB	GRAB BAR		RCP	REFLECTED CEILING PLAN
	ADJ	ADJACENT		GC	GENERAL CONTRACTOR		RID	ROOF DRAIN
	AF	ABOVE FINISHED FLOOR		GC	GALVANIZED HOLLOW METAL		REBAR	REINFORCING BAR
	AGG	AGGREGATE		GCIT	GROUND FAULT CIRCUIT INTERRUPTER		REC	RECEPTACLE
	AHU	AIR HANDLING UNIT		GL	GYPSON WALL BOARD		REF	REFRIGERATOR
	ALT	ALTERNATE		GLM	GYPSON WALL BOARD		REFR	REFLECTED
	AL	ALUMINUM		GRB	GYPSON WALL BOARD		REFR	REFERENCE, REFER
	ANC	ANCHOR		GYP	GYPSON		REFR	REINFORCING
	AND	AND		GYP BD	GYPSON BOARD		REO	REQUIRED
	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE		H	HOSE BIB		RESL	RESISTANT
	APC	ACOUSTICAL PANEL CEILING		HC	HOLLOW CORE		RH	RANGE HOOD
	APPROX	APPROXIMATELY		HDWR	HARDWARE		RJ	REVEAL JOINT
	ARCH	ARCHITECT		HM	HOLLOW METAL		RM	ROOM
	AS REQ'D	AS REQUIRED		HORIZ	HORIZONTAL		RND	ROUND
	ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS		HR	HOUR		RO	ROUGH OPENING
	ATTEN	ATTENUATION		HSS	HOLLOW STRUCTURAL STEEL		RTU	ROOF UNIT
				HT	HEIGHT		RV	ROOF VENT
B	BD	BOARD	I	ID	INSIDE DIAMETER	S	SA	SUPPLY AIR
	BIT	BITUMINOUS		IG	INSULATED GLASS		SBS	SPASH BLOCK
	BLDG	BUILDING		IGHM	INSULATED GALVANIZED HOLLOW METAL		SC	SOLID CORE
	BLK	BLOCKING		IGN	INSULATED GALVANIZED HOLLOW METAL		SD	SCHEDULE
	BLKG	BLOCKING		IN	INSIDE		SECT	SECTION
	BM	BEAM		IGM	INSULATED GALVANIZED HOLLOW METAL		SH V	SHEET VINYL
	BN	BULLNOSE		IN	INSIDE		SHR	SHOWER
	BO	BOTTOM OF		INC	INCANDESCENT		SHT	SHEET
	BOC	BOTTOM OF CONCRETE		INSUL	INSULATED, INSULATION, INSULATING		SHTG	SHEETING
	BOT	BOTTOM		INT	INTERIOR		SIM	SIMILAR
	BRG	BEARING		J	JANITOR		SS	STAINLESS STEEL
	BUR	BUILT-UP ROOFING		JB	JUNCTION BOX		STD	STANDARD
C	CAB	CABINET	J	JAN	JANITOR		STL	STEEL
	CB	CEMENT BOARD		JBT	JUNCTION BOX		STN	STAIN
	CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED		JT	JOIST		STR	STRUCTURAL
	CG	CORNER GUARD		JST	JOIST		SURF	SURFACE
	CH BD	CHALK BOARD		JT	JOIST		SUSP	SUSPENDED
	CI	CAST IRON		L	LAMINATE		SYM	SYMMETRICAL
	CIP	CAST-IN-PLACE		LAV	LAVATORY		T	T
	CLG	CONTROL JOINT		LGF	LIGHT GAUGE METAL FRAMING		T & G	TONGUE & GROOVE
	CLR	CLEAR		LG	LONG LEG VERTICAL		TB	TACK BOARD
	CLM	CERAMIC MOSAIC TILE		LGMF	LIGHT GAUGE METAL FRAMING		TEL	TELEPHONE
	CMT	CONCRETE MASONRY UNIT		LLV	LONG LEG VERTICAL		TELECOM	TELECOMMUNICATIONS
	CMI	CONCRETE MASONRY UNIT		LV	LAMINATED VENEER LUMBER		TERR	TERRAZZO
	CNTR	COUNTER		LVR	LOUVER		TF	TOP FLANGE
	COL	COLUMN		M	MACHINE		THRU	THROUGH
	CONC	CONCRETE		MAH	MAXIMUM ATTAINABLE HEIGHT		TO	TOP OF
	CONST	CONSTRUCTION		MAN	MANUAL		TOB	TOP OF BEAM
	CONT	CONTINUOUS		MANUF	MANUFACTURER		TOP	TOP OF
	COORD	COORDINATE		MAX	MAXIMUM		TOC	TOP OF CONCRETE
	CORR	CORRIDOR		MB	MARKER BOARD		TOP	TOP OF FOOTING
	CP	COMPOSITE PANEL		MC	MECHANICAL CONTRACTOR		TOS	TOP OF STEEL
	CPT	CARPET		MECH	MECHANICAL		TPD	TOILET PAPER DISPENSER
	CS	CONCRETE SEALED		MEMB	MEMBRANE		TRN	TRANSPARENT
	CS	COUNTERTOP		MEZZ	MEZZANINE		TS	TUBE STEEL
	CT	CERAMIC TILE		MFG	MANUFACTURER		TSTAT	THERMOSTAT
	CTR	CENTER, CENTERED		MH	MANHOLE		TYP	TYPICAL
	CW	CURTAIN WALL		MIL	MILLIMETER			
D	DBL	DOUBLE	N	(N)	NEW	V	V	VOLTS
	DEMO	DEMOLITION		N/A	NOT APPLICABLE		VAV	VARIABLE AIR SUPPLY VOLUME
	DEPT	DEPARTMENT		NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		VB	VINYL BASE
	DF	DRINKING FOUNTAIN		NIC	NOT IN CONTRACT		VCT	VINYL COMPOSITION TILE
	DIA	DIAMETER		NOM	NOMINAL		VER	VERTICAL
	DIAG	DIAGONAL		NTS	NOT TO SCALE		VEST	VESTIBULE
	DIM	DIMENSION		NUM	NUMBER		VSF	VINYL SHEET FLOORING
	DISP	DISPENSER		O	ON CENTER		VTR	VENT THROUGH ROOF
	DN	DOWN		OD	OVERFLOW DRAIN, OUTSIDE DIAMETER		VWC	VENT WALL COVERING
	DR	DOOR		OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED		W	WATTS
	DS	DOWNSPOUT		OFOI	OWNER FURNISHED, OWNER INSTALLED		W/	WITH
	DTL	DETAIL		OPNG	OPENING		WO	WITHOUT
	DWG	DRAWING		OPP	OPPOSITE		WC	WATER CLOSET
	DWL	DOWEL		OTS	OPEN TO STRUCTURE		WD	WOOD
E	(E)	EXISTING		OH	OVERHEAD		WH	WATER HEATER
	EA	EACH		OPNG	OPENING		WP	WATERPROOF
	EC	ELECTRICAL CONTRACTOR		OPP	OPPOSITE		WR	WATER RESISTANT
	EFS	EXTERIOR INSULATION AND FINISH SYSTEM		OTS	OPEN TO STRUCTURE		WEGH	WEDGE
	EU	EXPANSION JOINT		P	PARTICLE BOARD		WW	WINDOW WALL
	ELEV	ELEVATION		PA	PUBLIC ADDRESS		WWF	WELDED WIRE FABRIC
	ELEC	ELECTRICAL		PART	PARTIAL			
	EMERG	EMERGENCY		PRE-CAST	PRE-CAST			
	ENCL	ENCLOSURE		PCLN	PORCELAIN			
	EQ	EQUAL		PJ	PANEL JOINT			
	EQUIP	EQUIPMENT		PJ	PANEL JOINT			
	EVTR	ELEVATOR		PL	PROPERTY LINE			
	EXH	EXHAUST		PLAM	PLASTIC LAMINATE			
	EXST	EXISTING		PLAS	PLASTER			
	EXP	EXPOSED		PLT	PLATE			
	EXT	EXTERIOR		PLYWD	PLYWOOD			
F	FA	FIRE ALARM		PNL	PANEL			
	FCU	FAN COIL UNIT		PNT	PAINT			
	FD	FLOOR DRAIN		PR	PAIR			
	FDN	FOUNDATION		PREFIN	PRE-FINISHED			
	FE	FIRE EXTINGUISHER		PRI	PRIMARY			
	FE	FIRE EXTINGUISHER CABINET		PSF	POUNDS PER SQUARE FOOT			
	FF	FACTORY FINISH		PSI	POUNDS PER SQUARE INCH			
	FHC	FIRE HOSE CABINET		PT	POINT			
	FHMS	FLAT HEAD MACHINE SCREW		PTN	PARTITION			
	FIN	FINISH		PVC	POLYVINYL CHLORIDE			
	FIXT	FIXTURE		PWR	POWER			
	FLASH	FLASHING						
	FLEX	FLEXIBLE						
	FLUOR	FLUORESCENT						
	FLR	FLOOR						
	FOF	FACE OF FINISH						
	FR	FRAME						
	FRP	FIBERGLASS REINFORCED POLYESTER						
	FT	FOOT						
	FTG	FOOTING						
	FURR	FURRING						
	F.V.	FIELD VERIFY						

ACCESSIBLE & STANDARD MOUNTING HEIGHTS - 2010 ADA STANDARD FOR ACCESSIBLE DESIGN AND ANSI A117.1



PLUMBING FIXTURES AND ACCESSORIES FOR ADULTS

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN - SECTION 604.9 ADVISORY SPECIFICATIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 THROUGH 12	AGES 3 AND 4	AGES 5 THROUGH 8	AGES 9 THROUGH 12
WATER CLOSET CENTERLINE	12 INCHES	12 TO 15 INCHES	15 TO 18 INCHES
TOILET SEAT HEIGHT	11 TO 12 INCHES	12 TO 15 INCHES	15 TO 17 INCHES
GRAB BAR HEIGHT	18 TO 20 INCHES	20 TO 25 INCHES	25 TO 27 INCHES
DISPENSER HEIGHT	14 INCHES	14 TO 17 INCHES	17 TO 19 INCHES



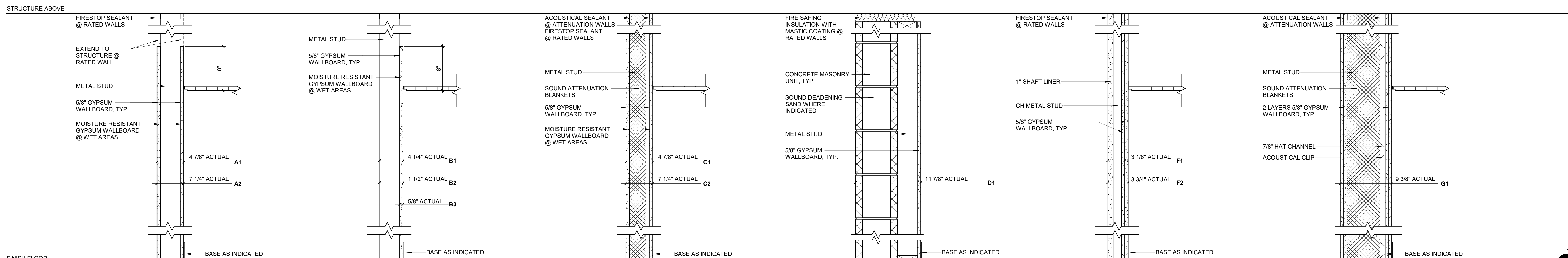
PLUMBING FIXTURES AND ACCESSORIES FOR CHILDREN

ARCHITECTURAL GENERAL NOTES

- THESE CONSTRUCTION DRAWING SHEETS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT MANUAL.
- WHEN DRAWINGS AND PROJECT MANUAL CONFLICT, BIDDER SHALL REQUEST WRITTEN CLARIFICATION FROM THE ARCHITECT PRIOR TO BIDDING. IF CLARIFICATION IS NOT OBTAINED PRIOR TO BIDDING, THE FOLLOWING SHALL BE USED TO DETERMINE SCOPE OF BID. MATERIAL SIZE AND QUANTITY SHALL BE DETERMINED BY DRAWINGS. QUALITY IS DETERMINED BY PROJECT MANUAL. FINAL DETERMINATION SHALL BE BY THE ARCHITECT OR ENGINEER PRIOR TO CONSTRUCTION OR FABRICATION.
- ERRORS ARE TO BE REPORTED IMMEDIATELY TO THE ARCHITECT.
- STRUCTURAL DRAWINGS GOVERN FOR SIZES, SPACING, AND CONNECTIONS OF ALL STRUCTURAL MATERIALS AND MEMBERS. IN THE CASE OF DISCREPANCIES, CONSULT WITH THE ARCHITECT/ENGINEER BEFORE COMMENCEMENT OF WORK.
- INSTALL VAPOR BARRIERS DIRECTLY BELOW ALL CONCRETE INTERIOR SLAB-ON-GRADE U.O.N. OR A WATERPROOFING MEMBRANE IS INDICATED.
- REFER TO STRUCTURAL DRAWINGS FOR EXACT DIMENSIONS AND LOCATIONS OF FLOOR OPENINGS. COORDINATE ADDITIONAL OPENINGS REQUIRED WITH STRUCTURAL ENGINEER.
- THE CONTRACTOR SHALL ARRANGE FOR THE PREMISES TO BE MAINTAINED IN AN ORDERLY MANNER THROUGHOUT THE COURSE OF THE JOB. MAINTAIN CLEANLINESS THROUGHOUT - DO NOT BLOCK EXITS, ENTRANCES, LOBBIES, CORRIDORS, ETC. PROTECT AREA FROM DAMAGE WHICH MAY OCCUR FROM DEMOLITION DUST, WATER, ETC. PROVIDE AND MAINTAIN TEMPORARY BARRICADES, CLOSURE WALLS, ETC. AS REQUIRED TO PROTECT THE PUBLIC DURING THE PERIOD OF CONSTRUCTION. DAMAGE OF EXISTING STRUCTURES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFTOVER MATERIALS, DEBRIS, TOOLS, AND EQUIPMENT INVOLVED AT THE CONCLUSION OF THE INSTALLATION. THE CONTRACTOR SHALL LEAVE ALL AREAS CLEAN. ALL FIXTURES AND REUSABLE MATERIALS TO BE REMOVED ARE TO BE STORED OR DISPOSED OF AS PER OWNERS INSTRUCTIONS.
- CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT WORKERS FROM INJURY OR EXPOSURE TO DANGEROUS MATERIALS DURING THE WORK BY THE CONTRACTOR, AS PER OSHA REGULATIONS AND FIRE-WATCH AS PER THE SUPPLEMENTAL CONDITIONS IN THE PROJECT MANUAL.
- DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT / ENGINEER IF ADDITIONAL DIMENSIONS ARE REQUIRED OR DISCREPANCIES DISCOVERED.
- ALL EXISTING FACILITY DIMENSIONS ARE TO BE VERIFIED ON SITE.
- CONTRACTOR TO VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO SHOP DRAWING APPROVAL AND CONSTRUCTION. SEE PROJECT MANUAL WHERE FIELD VERIFICATION CANNOT BE OBTAINED PRIOR TO SHOP DRAWING APPROVAL.
- DIMENSIONS ARE ACTUAL DIMENSIONS FOR MASONRY WALLS ARE GIVEN FROM FACE TO FACE OF WALL. DIMENSIONS FOR STUD WALL IS TO FACE OF FINISH WALL OR TO CENTER OF WALL, NOT CENTER OF STUD.
- ABBREVIATIONS AND MATERIAL REPRESENTATIONS ON ARCHITECTURAL DRAWINGS ARE SHOWN ON 'ABBREVIATIONS' AND 'MATERIAL LEGEND' TABLES - THIS SHEET.
- SEE TYPICAL MOUNTING HEIGHTS FOR EQUIPMENT AND FIXTURES THIS SHEET.
- FOR ADDITIONAL PLAN INFORMATION REFER TO PARTIAL ENLARGED PLANS OR DETAILS AS NOTED ON THE DRAWINGS.
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR ANY ADDITIONAL STEEL PIPE BOLLARDS REQUIRED.
- PROVIDE FINISHED END OR FRONT PANELS ON ALL SURFACES OF CASEWORK THAT ARE EXPOSED TO VIEW.

MATERIAL LEGEND

BATT INSULATION		METAL STUDS	
BRICK		PLYWOOD	
CONCRETE BLOCK		RIGID INSULATION	
GRANULAR FILL		GROUT	
CONCRETE		STEEL	
EARTH		STONE	
EFS		WOOD	
GYPSON WALLBOARD		EXISTING WALLS	



TYPE "A"	GYPSON WALLBOARD WALLS	TYPE "B"	GYPSON WALLBOARD WALLS	TYPE "C"	GYPSON WALLBOARD SOUND ATTENUATION WALLS	TYPE "D"	MASONRY WALLS	TYPE "E"	GYPSON WALLBOARD SHAFT WALLS	TYPE "G"	GYPSON WALLBOARD SOUND WALLS
A1 -	3 5/8" METAL STUD WITH 1 LAYER 5/8" GYPSON WALLBOARD ON EACH SIDE (4 7/8") (UL-U438, U465 @ FIRE RATED WALL, 1HR)	B1 -	3 5/8" METAL STUD WITH 1 LAYER 5/8" GYPSON WALLBOARD ON EACH SIDE (4 7/8") (UL-U438, U465 @ FIRE RATED WALL, 1HR)	C1 -	3 5/8" METAL STUD WITH 1 LAYER 5/8" GYPSON WALLBOARD ON EACH SIDE (4 7/8") (UL-U419, U465 @ FIRE RATED WALL, 1HR)	D1 -	8" CMU WITH 3 5/8" METAL STUD AND 1 LAYER 5/8" GYPSON WALLBOARD ON ONE SIDE.	F1 -	2 1/2" CH STUD WITH 1 LAYER 1" GYPSON SHAFTLINER PANEL ON ONE SIDE, 1 LAYER 5/8" GYPSON WALL BOARD ON THE OTHER SIDE. (3 1/8") (SIMILAR TO UL V473, 2HR)	G1 -	6" METAL STUD WITH 2 LAYER 5/8" GYPSON WALLBOARD ON EACH SIDE WITH 7/8" FURRING AND ACOUSTICAL CLIPS
A2 -	6" METAL STUD WITH 1 LAYER 5/8" GYPSON WALLBOARD ON EACH SIDE (7 1/4") (SIMILAR TO UL-U438, U465 @ FIRE RATED WALL, 1HR)	B2 -	7/8" METAL FURRING CHANNEL WITH 1 LAYER 5/8" GYPSON WALLBOARD ON ONE SIDE (1 1/2") B3 - 1 LAYER 5/8" GYPSON WALL BOARD (5/8")	C2 -	6" METAL STUD WITH 1 LAYER 5/8" GYPSON WALLBOARD ON EACH SIDE (7 1/4") (SIMILAR TO UL-U419, U465 @ FIRE RATED WALL, 1HR)	F2 -	2 1/2" CH STUD WITH 1 LAYER 1" GYPSON SHAFTLINER PANEL ON ONE SIDE, 2 LAYERS 5/8" GYPSON WALL BOARD ON THE OTHER SIDE. (3 3/4") (SIMILAR TO UL V473, 2HR)				

WALL TYPES

SCALE: 1 1/2" = 1'-0" NOTE: REFER TO UL FIRE-RESISTANCE DESIGN FOR ADDITIONAL INFORMATION @ FIRE RATED WALLS

FEH DESIGN
 DES MOINES, IA (515) 252-3889
 SIOUX CITY, IA (515) 288-2000
 DUBUQUE, IA (663) 983-4600
 ECONOMOVOCC, WI (262) 988-2065
 FEHDESIGN.COM

SNYDER & ASSOCIATES
 DESIGN ENGINEERS

SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

PROJECT NUMBER: 2023402

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DATE: _____

PROJECT NUMBER: 2023402

SHEET

AG1.1

PRELIMINARY
 NOT FOR CONSTRUCTION

OCCUPANCY LOAD SCHEDULE					
NUMBER	NAME	FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
1000	ATRIUM	ASSEMBLY	1475 SF	15	99
1001	LOBBY	CIRCULATION PATH	175 SF	0	
1002	LOBBY	CIRCULATION PATH	725 SF	0	
1003	WOMEN'S	TOILET	168 SF	9	
1003A	WOMEN'S STORAGE	STORAGE	3 SF	300	1
1004	MEN'S	TOILET	173 SF	0	
1004A	MEN'S STORAGE	STORAGE	2 SF	300	1
1007	OFFICE	ASSEMBLY	1307 SF	7	200
1006	STORAGE	STORAGE	59 SF	300	1
1007	STORAGE	STORAGE	274 SF	300	1
1008	KITCHEN	KITCHEN	184 SF	200	1
1008A	IT	STORAGE	38 SF	300	1
1009	STORAGE	STORAGE	116 SF	300	1
1009A	STORAGE	STORAGE	8 SF	300	1
1010	MEETING	ASSEMBLY	497 SF	15	34
1011	STUDIO	EDUCATIONAL VOCATIONAL	857 SF	50	18
1012	EDITING	EDUCATIONAL VOCATIONAL	119 SF	50	3
1013	SUPPLY	STORAGE	153 SF	300	1
1014	STUDIO	EDUCATIONAL VOCATIONAL	287 SF	50	6
1015	RADIO	EDUCATIONAL VOCATIONAL	93 SF	50	2
1016	STAFF WORK	OFFICE	416 SF	100	5
1017	TOILET	TOILET	52 SF	0	
1018	SERVER	STORAGE	102 SF	300	1
1019	OFFICE	OFFICE	99 SF	100	1
1020	RADIO	EDUCATIONAL VOCATIONAL	94 SF	50	2
1021	STUDIO	EDUCATIONAL VOCATIONAL	166 SF	50	4
1022	STUDIO	EDUCATIONAL VOCATIONAL	214 SF	50	5
1023	COMPUTERS	EDUCATIONAL VOCATIONAL	424 SF	50	9
1024	MAKERSPACE	EDUCATIONAL VOCATIONAL	1241 SF	50	25
1025	CONFERENCE	ASSEMBLY	185 SF	15	13
1026	STORAGE	STORAGE	194 SF	300	1
1027	OFFICE	OFFICE	142 SF	100	2
1028	DISCUSS	ASSEMBLY	179 SF	15	12
1029	CHILDREN'S ENTRY	LIBRARY READING	591 SF	50	12
1030	STUDY	ASSEMBLY	158 SF	15	11
1031	SENSORY	ASSEMBLY	126 SF	15	9
1032	JANITOR	STORAGE	366 SF	300	2
1033	TOILET	TOILET	55 SF	0	
1034	TOILET	TOILET	55 SF	0	
1035	TOILET	TOILET	51 SF	0	
1036	CAREGIVER ROOM	BUSINESS	109 SF	100	2
1037	PRESCHOOL	LIBRARY STACKS	4514 SF	100	46
1038	STORAGE	STORAGE	129 SF	300	1
1039	VEST	CIRCULATION PATH	104 SF	0	
1040	YOUTH PROGRAM ROOM	ASSEMBLY	1053 SF	7	151
1041	MECHANICAL	STORAGE	862 SF	300	3
1042	ELEC	STORAGE	201 SF	300	1
1043	STAFF WKRM	OFFICE	978 SF	100	10
1044	OFFICE	OFFICE	126 SF	100	2
1045	STOR	STORAGE	127 SF	300	1
1046	READY ROOM	STORAGE	126 SF	100	2
1047	GRADESCHOOL	LIBRARY STACKS	3629 SF	100	39
1048	CHILDREN'S DESK	BUSINESS	301 SF	100	4
1049	CHILDREN'S COMPUTERS	LIBRARY READING	844 SF	50	17
1050	DISCUSS	ASSEMBLY	161 SF	15	11

OCCUPANCY LOAD SCHEDULE					
NUMBER	NAME	FUNCTION OF SPACE	AREA	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
1051	DISCUSS	ASSEMBLY	156 SF	15	11
1052	TEEN	LIBRARY STACKS	2414 SF	100	25
1053	TOILET	TOILET	43 SF	0	
1054	TOILET	TOILET	48 SF	0	
1055	ADULT COLLECTION	LIBRARY STACKS	11906 SF	100	120
1056	ASK	BUSINESS	360 SF	100	4
1057	DISCUSS	ASSEMBLY	220 SF	15	15
1058	TECH ROOM	LIBRARY READING	1187 SF	100	28
1059	LOCAL HISTORY	BUSINESS	118 SF	100	2
1060	STUDY	ASSEMBLY	109 SF	15	8
1061	STUDY	ASSEMBLY	63 SF	15	5
1062	STUDY	ASSEMBLY	63 SF	15	5
1063	STUDY	ASSEMBLY	31 SF	15	5
1064	REFERENCE	BUSINESS	335 SF	100	4
1065	COMPUTERS	EDUCATIONAL VOCATIONAL	1058 SF	50	22
1065A	STOR	STORAGE	8 SF	300	1
1066	STOR	STORAGE	40 SF	300	1
1067	ADULT STAFF	OFFICE	424 SF	100	5
1068	ADULT SERV. OFFICE	OFFICE	155 SF	100	2
1069	TOILET	TOILET	50 SF	0	
1070	MAINTENANCE OFFICE	OFFICE	189 SF	100	2
1071	READY ROOM	ASSEMBLY	126 SF	15	9
1072	READY ROOM	ASSEMBLY	132 SF	15	9
1073	TOILET	TOILET	61 SF	0	
1074	TOILET	TOILET	59 SF	0	
1075	ST	STORAGE	27 SF	300	1
1076	CORR	CIRCULATION PATH	184 SF	0	
1077	RECEIVING	STORAGE	227 SF	300	1
1078	MAIL / COPY	BUSINESS	156 SF	100	2
1079	TECH SERVICES	OFFICE	1177 SF	100	12
1080	TECH SERV. OFFICE	OFFICE	112 SF	100	2
1081	TECH. DRD. OFFICE	OFFICE	117 SF	100	2
1082	SERVER	STORAGE	135 SF	300	1
1083	FDN OFFICE	OFFICE	151 SF	100	2
1084	DIRECTOR OFFICE	ASSEMBLY	162 SF	15	11
1085	ADMIN	OFFICE	99 SF	100	1
1086	HUDDE	OFFICE	110 SF	100	2
1087	TOILET	TOILET	58 SF	0	
1088	STAFF BREAK AREA	ASSEMBLY	393 SF	15	27
1089	STORAGE	STORAGE	14 SF	300	1
1090	PICK UP WINDOW	BUSINESS	62 SF	100	1
1091	BOOK DROP	STORAGE	47 SF	300	1
1092	VEST	CIRCULATION PATH	78 SF	0	
1093	CIRC OFFICE	OFFICE	111 SF	100	2
1094	WELLNESS	BUSINESS	77 SF	100	1
1095	READ BEFORE BOOK STORE AND CAFE	LIBRARY READING	862 SF	50	18
1096	READ BEFORE STORAGE	STORAGE	110 SF	100	2
1097	MECHANICAL	STORAGE	457 SF	300	2
1098	LOBBY	CIRCULATION PATH	1027 SF	0	
1099	EQUIP STOR	STORAGE	112 SF	300	1
1100	CIRCULATION	CIRCULATION PATH	126 SF	0	
1101	CIRCULATION	CIRCULATION PATH	207 SF	0	
1102	CIRCULATION	CIRCULATION PATH	1395 SF	0	
1103	DATA	STORAGE	87 SF	300	1
1104	CIRCULATION	CIRCULATION PATH	490 SF	0	
1105	CARPOR	Not Enforced	1254 SF	100	13
1121	CIRCULATION STAFF	OFFICE	1254 SF	100	13
			54700 SF		1164

CODE INFORMATION

PROJECT DESCRIPTION:
PUBLIC LIBRARY ADDITION AND RENOVATION IN SUN PRAIRIE, WISCONSIN

APPLICABLE CODES:
2015 - INTERNATIONAL BUILDING CODE
2018 - INTERNATIONAL MECHANICAL CODE
2018 - UNIFORM PLUMBING CODE
2015 - INTERNATIONAL FUEL GAS CODE
2012 - INTERNATIONAL ENERGY CODE
2015 - INTERNATIONAL EXISTING BUILDING CODE
2017 - NATIONAL ELECTRICAL CODE
2015 - INTERNATIONAL FIRE CODE
2010 - ADAAG

CODES/REGULATIONS UTILIZED IN DESIGN:
2015 - INTERNATIONAL BUILDING CODE AS EDITED BY THE WI ADMINISTRATIVE CODE

OCCUPANCY TYPE (CHAPTER 3)
TYPE A-3 LIBRARY OCCUPANCY

BUILDING HEIGHTS AND AREAS (CHAPTER 5)
BASIC ALLOWABLE
38,000 GROSS SQ. FT.
4 STORIES
35'-0" HIGH ABOVE GRADE
TWO FIRE AREAS:
BUILDING AREA A = 35,525 SF
BUILDING AREAS B AND C = 22,250 SF AND 2,825 SF
MECHANICAL PENTHOUSES (EQUIPMENT PLATFORMS) = 1,641 SF AND 2,664 SF
CARPORT = 600 SF

TYPES OF CONSTRUCTION (CHAPTER 6)
TYPE I-B CONSTRUCTION
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601)
PRIMARY STRUCTURAL FRAME 0 HOUR
BEARING WALLS 0 HOUR
EXTERIOR 0 HOUR
INTERIOR 0 HOUR
NONBEARING WALLS AND PARTITIONS - EXTERIOR 0 HOUR
NONBEARING WALLS AND PARTITIONS - INTERIOR 0 HOUR
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS 0 HOUR
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS 0 HOUR

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (TABLE 602)
X < 5 FT 1 HOUR
5 FT < X < 10 FT 1 HOUR
10 FT < X < 30 FT 0 HOUR
X ≥ 30 FT 0 HOUR

FIRE AND SMOKE PROTECTION FEATURES (CHAPTER 7)
EXTERIOR OPENING REQUIREMENTS (TABLE 705.8)

FIRE PROTECTION SYSTEMS (CHAPTER 9)
FIRE ALARM REQUIRED-PROVIDED
FIRE ALARM CONTROL PANEL REQUIRED-PROVIDED
REMOTE ANNUNCIATOR PANEL REQUIRED-PROVIDED
SMOKE DETECTION REQUIRED-PROVIDED
HEAT DETECTION REQUIRED-PROVIDED /
FIRE PUMP NOT REQUIRED-NOT PROVIDED
BACKUP POWER REQUIRED-PROVIDED
SUPPRESSION - STANDPIPES NOT REQUIRED-NOT PROVIDED
SUPPRESSION - AUTOMATIC SPRINKLER REQUIRED-PROVIDED
FIRE EXTINGUISHERS REQUIRED-PROVIDED PER NFPA 10
TYPE I COMMERCIAL HOOD NOT REQUIRED-NOT PROVIDED

WATER SUPPLY - FLOW TESTS
STATIC
RESIDUAL
FLOW
DATE AND LOCATION
DATE OF ORIGINAL SYSTEM INSTALLATION

MEANS OF EGRESS (CHAPTER 10)
1004 DESIGN OCCUPANT LOADS
TOTAL OCCUPANTS 1164
1005.1 EGRESS WIDTH
MEANS OF EGRESS CAPACITY FACTOR = 0.2 INCH (1005.3.2)
1008 MEANS OF EGRESS ILLUMINATION
TO BE ILLUMINATED ALL TIMES (1008.2)
1009.1 ACCESSIBLE MEANS OF EGRESS
1 MOE = 1 REQUIRED
MORE THAN 2 MOE = NOT LESS THAN TWO REQUIRED
1010.1.1 WIDTH OF DOOR
MINIMUM CLEAR WIDTH OF 32 INCHES
1010.1.2.1 DOOR SWING
SWING IN THE DIRECTION OF EGRESS TRAVEL (50 OR MORE OCCUPANT LOAD)
1013.1 EXIT SIGNS
NO MORE THAN 100 FEET VIEWING DISTANCE
1013.5, 1013.6 EXIT SIGN ILLUMINATION
EXIT SIGNS SHOULD BE INTERNALLY OR EXTERNALLY ILLUMINATED
1017.2 EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2)
FEET WITH SPRINKLER
1020.2 MINIMUM CORRIDOR WIDTH (TABLE 1020.2)
ANY FACILITIES NOT LISTED BELOW
ACCESS TO AND UTILIZATION OF EQUIPMENT 44 INCHES
WITH AN OCCUPANT LOAD OF LESS THAN 50
WITHIN A DWELLING UNIT 24 INCHES
IN GROUP E WITH A CORRIDOR HAVING AN
OCCUPANT LOAD OF 100 OR MORE 36 INCHES
IN CORRIDORS AND AREAS SERVING STRETCHER
TRAFFIC IN AMBULATORY CARE FACILITIES 72 INCHES
GROUP I-2 IN AREAS WHERE REQUIRED FOR
BED MOVEMENT 96 INCHES
1020.4 DEAD ENDS
NO MORE THAN 20 FEET IN LENGTH
1022 EXITS
AS SHOWN ON THE PLAN
1028.1 EXIT DISCHARGE
EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING

ROOF ASSEMBLIES AND ROOFTOP STRUCTURES (CHAPTER 15)
1505.1 FIRE CLASSIFICATION (TABLE 1505.1)
MINIMUM ROOF COVERING CLASSIFICATION C

PLUMBING SYSTEMS (CHAPTER 29)
MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (TABLE 2902.1)
REQUIRED PROVIDED

	MALE	FEMALE	DRINKING	SINK
REQUIRED	5	10	5	2
PROVIDED	5	10	11	3

2018 ADA STANDARDS FOR ACCESSIBLE DESIGN
208 PARKING SPACES
PARKING SPACES PROVIDED 171
ACCESSIBLE PARKING SPACES PROVIDED 7 (INCLUDING 2 VAN PARKING)

CODE PLAN LEGEND

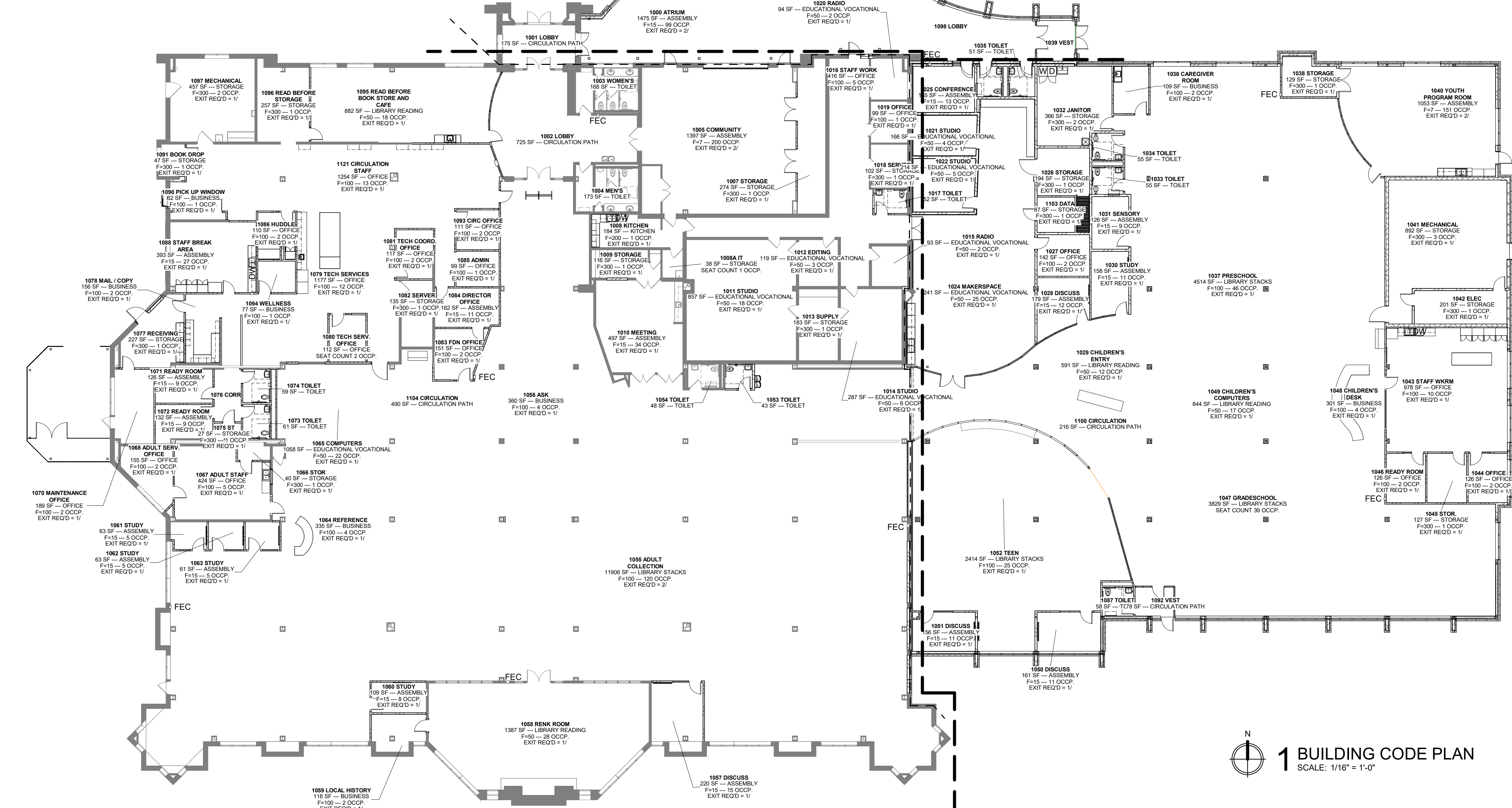
TRAVEL DISTANCE 1' - 0"
TRAVEL DISTANCE TAG
EXIST ACCESS TRAVEL DISTANCE PER IBC2012 1016.1

ROOM TAG
ROOM NUMBER ROOM NAME
AREA (SF) - FUNCTION OF SPACE PER TABLE 1004.1.2
OCCUPANT LOAD FACTOR - OCCUPANT LOAD
EXITS REQUIRED - EXIST PROVIDED

DOOR TAG
DOOR NUMBER - FIRE RATING (IF APPLICABLE)
OCCUPANT LOAD SERVED / PANIC HARDWARE
REQUIRED WIDTH / ACTUAL WIDTH
SINGLE OR DOUBLE DOOR / SPRINKLER OR NON-SPRINKLER

FIRE SEPARATION LEGEND

--- 1 HOUR FIRE BARRIER (60M DOORS, W-60M FIRE-RESISTANCE-RATED ASSEMBLIES)



1 BUILDING CODE PLAN
SCALE: 1/16" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

FEH DESIGN

SIOUX CITY, IA
(712) 252-3889

DES MOINES, IA
(515) 288-2000

ECONOMOWOC, WI
(262) 968-2055

SNYDER
& ASSOCIATES
DESIGN
ENGINEERS

IN ASSOCIATION WITH

PROJECT TITLE

SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION

PROJECT NUMBER

2023402

SHEET

AG1.2

DATE ISSUED

12/07/2023

REV. NO.

DATE

GENERAL NOTES

- DRAWINGS ARE INTENDED TO BE PRINTED ON 30 X 42 PAPER. PRINTING THESE DRAWINGS AT A DIFFERENT SIZE WILL IMPACT THE SCALE. VERIFY THE GRAPHIC SCALE BEFORE REFERENCING ANY MEASUREMENTS ON THESE SHEETS. THE RECIPIENT OF THESE DRAWINGS SHALL BE RESPONSIBLE FOR ANY ERRORS RESULTING FROM INCORRECT PRINTING, COPYING, OR ANY OTHER CHANGES THAT ALTER THE SCALE OF THE DRAWINGS.
- VERIFY ALL PLAN DIMENSIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE TO ADDRESS ANY QUESTIONS OR CLARIFY ANY DISCREPANCIES.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- GEOTECHNICAL SOILS REPORT RECOMMENDATIONS SHALL BE FOLLOWED DURING CONSTRUCTION. THE CONTRACTOR SHALL USE THESE CONTRACT DOCUMENTS AS A BASIS FOR THE BID.
- CONTRACTOR SHALL CONFIRM THAT SITE CONDITIONS ARE SIMILAR TO THE PLANS. WITHIN TOLERANCES STATED IN THE CONTRACT DOCUMENTS, AND SATISFACTORY TO THE CONTRACTOR PRIOR TO START OF WORK. SHOULD SITE CONDITIONS BE DIFFERENT THAN REPRESENTED ON THE PLANS OR UNSATISFACTORY TO THE CONTRACTOR, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR CLARIFICATION AND FURTHER DIRECTION.
- THE CONTRACTOR IS RESPONSIBLE TO PAY FOR, AND OBTAIN, ANY REQUIRED APPLICATIONS, PERMITTING, LICENSES, INSPECTIONS AND METERS ASSOCIATED WITH WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO ANY VIOLATIONS OR NON-COMFORMANCE WITH THE PLANS, CONTRACT DOCUMENTS, JURISDICTIONAL CODES, AND REGULATORY AGENCIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UTILITY LOCATES PRIOR TO ANY EXCAVATION. REFER TO ENGINEERING UTILITY PLANS FOR ALL PROPOSED UTILITY LOCATIONS AND DETAILS. NOTIFY OWNER'S REPRESENTATIVE IF EXISTING OR PROPOSED UTILITIES INTERFERE WITH THE ABILITY TO PERFORM WORK.
- UNLESS IDENTIFIED ON THE PLANS FOR DEMOLITION OR REMOVAL, THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT OR EXISTING LANDSCAPE, ADJACENT OR EXISTING PAVING, OR ANY PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION, ESTABLISHMENT OR DURING THE SPECIFIED MAINTENANCE PERIOD. ALL DAMAGES SHALL BE REPAIRED TO PRE-CONSTRUCTION CONDITIONS AS DETERMINED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOGGING ANY DAMAGES PRIOR TO START OF CONSTRUCTION AND DURING THE CONTRACT PERIOD.
- ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE OWNER'S REPRESENTATIVE PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
- NO PLANT MATERIAL OTHER THAN GROUND COVER IS ALLOWED TO BE PLANTED ADJACENT TO FIRE HYDRANTS AS STIPULATED BY JURISDICTIONAL REQUIREMENTS.
- COORDINATE SITE ACCESS, STAGING, STORAGE AND CLEANOUT AREAS WITH OWNER'S REPRESENTATIVE.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY SAFETY FENCING AND BARRIERS AROUND ALL IMPROVEMENTS SUCH AS WALLS, PLAY STRUCTURES, EXCAVATIONS, ETC. ASSOCIATED WITH THEIR WORK UNTIL SUCH FACILITIES ARE COMPLETELY INSTALLED PER THE PLANS AND MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THEIR MATERIAL STOCK PILES AND WORK FROM VANDALISM, EROSION OR UNINTENDED DISTURBANCE DURING THE CONSTRUCTION PERIOD AND UNTIL FINAL ACCEPTANCE IS ISSUED.
- MAINTAIN ANY STORM WATER MANAGEMENT FACILITIES THAT EXIST ON SITE FOR FULL FUNCTIONALITY. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ANY NEW STORM WATER MANAGEMENT FACILITIES THAT ARE IDENTIFIED IN THE SCOPE OF WORK TO FULL FUNCTIONALITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER FOR FAILURE TO MAINTAIN STORM WATER MANAGEMENT FACILITIES DURING THE CONTRACT PERIOD.
- THE CONTRACTOR SHALL PREVENT SEDIMENT, DEBRIS AND ALL OTHER POLLUTANTS FROM EXITING THE SITE OR ENTERING THE STORM SEWER SYSTEM DURING ALL DEMOLITION OR CONSTRUCTION OPERATIONS THAT ARE PART OF THE LANDSCAPE INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE REQUIREMENTS DURING THEIR CONTRACTED COURSE OF WORK.
- THE CONTRACTOR AND/OR THEIR AUTHORIZED AGENTS SHALL ENSURE THAT ALL LOADS OF CONSTRUCTION MATERIAL IMPORTED TO OR EXPORTED FROM THE PROJECT SITE SHALL BE PROPERLY COVERED TO PREVENT LOSS OF MATERIAL DURING TRANSPORT. TRANSPORTATION METHODS ON PUBLIC RIGHT-OF-WAYS SHALL CONFORM TO JURISDICTIONAL REQUIREMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FINES OR PENALTIES ASSESSED TO THE OWNER RELATING TO THESE REQUIREMENTS.
- THE CLEANING OF EQUIPMENT IS PROHIBITED AT THE JOB SITE UNLESS AUTHORIZED BY THE OWNER'S REPRESENTATIVE IN A DESIGNATED AREA. THE DISCHARGE OF WATER, WASTE CONCRETE, POLLUTANTS, OR OTHER MATERIALS SHALL ONLY OCCUR IN AREAS DESIGNATED FOR SUCH USE AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- THE CLEANING OF CONCRETE EQUIPMENT IS PROHIBITED AT THE JOB SITE EXCEPT IN DESIGNATED CONCRETE WASHOUT AREAS. THE DISCHARGE OF WATER CONTAINING WASTE CONCRETE IN THE STORM SEWER IS PROHIBITED.

DEMO NOTES

- ALL UTILITIES INDICATED ON THE DRAWINGS REFLECT APPROXIMATE LOCATIONS. THE CONTRACTOR IS TO VERIFY EXACT LOCATIONS OF BOTH EXISTING AND PROPOSED UTILITIES PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING UTILITIES, WALKWAYS OR OTHER EXISTING STRUCTURES AND IMPROVEMENTS THAT IS A RESULT OF THEIR WORK. THE REPAIR OF SUCH DAMAGE WILL BE AT NO ADDITIONAL COST TO THE OWNER. DOCUMENT ALL EXISTING DAMAGES PRIOR TO BEGINNING WORK. ANY DAMAGES NOT DOCUMENTED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE EXISTING CONDITIONS PLAN INDICATES THE APPROXIMATE LOCATIONS OF WORK ITEMS WHICH WILL BE REQUIRED AS PART OF THIS CONTRACT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELV WITH THE SITE AND TO VERIFY THE QUANTITIES AND LOCATIONS OF ITEMS TO BE CLEANED UP AND REMOVED.
- ALL USEABLE SALVAGED MATERIALS TO BE TURNED OVER TO THE OWNER'S REPRESENTATIVE UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL TAKE MEASURES TO PROTECT THE EXISTING TREES ON THE SITE FROM ANY DAMAGES DURING THE PROGRESS OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR SECURITY OF THE SITE WHEN LEFT UNATTENDED. FENCES AND OR BARRICADES SHALL BE MAINTAINED ALONG THE LIMITS OF CONSTRUCTION.
- KEEP THE PREMISES CLEAN AND ORDERLY DURING CONSTRUCTION. DISPOSE OF ALL REMOVED MATERIALS AT AN APPROVED DUMP SITE WITHIN 24 HOURS OF REMOVAL. STOCKPILING ON THE SITE WILL BE ALLOWED ONLY WITH APPROVAL FROM THE OWNER'S REPRESENTATIVE. SCHEDULE REMOVALS TO INSURE THAT NO PARTIALLY DISASSEMBLED EQUIPMENT'S LEFT ON SITE OVERNIGHT.
- ALL ADJACENT LANDSCAPE, UTILITIES, SIGNS AND HARDSCAPE SHALL REMAIN UNDISTURBED UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER'S REPRESENTATIVE.
- IF UNEXPECTED CONDITIONS ARE ENCOUNTERED DURING DEMOLITION, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR RESOLUTION.
- OWNER RETAINS WOOD GENERATED FROM ANY OAK TREE REMOVAL. REMOVE OAK TREES SO TRUNK AND DESIRABLE LIMBS CAN BE SALVAGED FOR COMMERCIALY VIABLE PRODUCTS OTHER THAN FIRE WOOD OR WOOD CHIPS.

GRADING AND EROSION CONTROL

- THE CONTRACTOR IS TO REVIEW, UNDERSTAND AND ADHERE TO SPOT ELEVATIONS AND CONTOURS AS INDICATED ON THE GRADING PLAN UNLESS SPECIFICALLY AUTHORIZED BY THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL VERIFY THAT ALL MINIMUM AND MAXIMUM SLOPES IDENTIFIED ON THE PLANS ARE ACHIEVABLE IN THE FIELD PRIOR TO START OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL STAKING NECESSARY TO COMPLETE THE WORK. THIS SHALL INCLUDE ANY RE-STAKING IF NECESSARY. THE CONTRACTOR SHALL PAY FOR ALL STAKING FOR THE PROJECT UNLESS SPECIFICALLY AGREED TO OTHERWISE IN THE CONTRACT DOCUMENTS.
- ALL AREAS SHALL BE GRADED TO ACHIEVE POSITIVE DRAINAGE. MINIMUM SLOPE ON LANDSCAPED AREAS SHALL BE 2%. MAXIMUM SLOPE SHALL BE 25% (4:1) UNLESS OTHERWISE INDICATED ON THE PLANS.
- MAXIMUM ALLOWED FINAL GRADES FOR LONGITUDINAL SLOPE ON WALKS AND PAVED AREAS SHALL BE 5% UNLESS OTHERWISE INDICATED ON THE PLANS.
- ALL FINAL GRADES FOR WALKS SHALL HAVE A MINIMUM 1% CROSS SLOPE AND MAXIMUM 2% CROSS SLOPE UNLESS OTHERWISE INDICATED ON THE PLANS.
- EXCAVATION INCLUDES ALL MATERIAL ENCOUNTERED TO WHATEVER DEPTH INDICATED ON THE PLANS. EXCAVATE TO ALLOW FOR PROPER FILL MATERIAL, SLABS, VOIDS, FORMS, AND FOUNDATIONS, AND PROPER COMPACTION ACCORDING TO THE SPECIFICATIONS AND GEOTECHNICAL REPORT. ANY BURIED MATERIAL AND ADDITIONAL EXCAVATION NECESSARY FOR THE CONSTRUCTION OF SITE ELEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING GRADING AND EXCAVATION INCLUDING GUIDELINES AND RESTRICTIONS FOR EARTHWORK AND PLACING OF PAVEMENT AND LANDSCAPE SURFACING FOR THIS PROJECT.
- ALL BIO-DEGRADABLE EROSION MAT SHALL BE CURLEX NET FREE OR APPROVED EQUAL.
- ALL STORM DRAIN INLETS SHALL HAVE ADEQUATE EROSION CONTROL PROTECTION IN ACCORDANCE WITH DANE COUNTY STANDARDS.
- ALL SILT FENCE SHALL BE PROPERLY INSTALLED, MAINTAINED, AND REMOVED UPON ESTABLISHMENT OF TURF.
- ALL SITES SHALL BE ADEQUATELY PROTECTED TO PREVENT SEDIMENT FROM LEAVING THE SITE.

SANITARY SEWER

- SANITARY SEWER SHALL BE PVC AND BEDDED WITH CLASS C BEDDING (CLEAR STONE). SEWER SHALL BE SDR-35 FOR DEPTHS UP TO 20' AND SDR-26 FOR DEPTHS GREATER THAN 20'.
- TRACER WIRE SHALL BE INSTALLED WITH ALL NEW LATERALS IN ACCORDANCE TO THE STANDARD DETAIL DRAWINGS.
- TRACER WIRE BOXES SHALL BE PROVIDED. "SEWER" SHALL BE STAMPED IN THE LID OF THE ACCESS BOX.
- DROP MANHOLES SHALL BE OUTSIDE DROP PRECAST CONCRETE STRUCTURES.
- ALL MANHOLE CASTINGS SHALL BE NEEHAH R-1550 WITH TYPE B NON-ROCKING LIDS AND CONCEALED PICK HOLES. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED.
- ALL SANITARY SEWER CONSTRUCTION SHALL MEET THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.

STORM SEWER & STORM WATER MANAGEMENT NOTES

- STORM SEWER AND STORMWATER MANAGEMENT SHALL BE AS FOLLOWS:
LOCATIONS: THE CONTRACTOR IS TO VERIFY EXACT LOCATIONS OF BOTH EXISTING AND PROPOSED UTILITIES PRIOR TO BEGINNING CONSTRUCTION OPERATIONS.
STORM SEWER SHALL BE HDPE UNLESS OTHERWISE SPECIFIED ON PLANS.
- STORM SEWER PIPE BEDDING SHALL BE CLEAR STONE.
- MINIMUM COVER FOR ALL STORM SEWER SHALL BE 2'.
- NYLOPLAST STRUCTURES SHALL MEET ALL MANUFACTURERS INSTALLATION RECOMMENDATIONS.
- NYLOPLAST STRUCTURES SHALL HAVE STANDARD FRAMES/GRATES UNLESS OTHERWISE INDICATED.
- PRIOR TO FINAL PAVING OPERATIONS, THE UTILITY CONTRACTOR SHALL ADJUST ALL MANHOLE AND INLET RIMS AND VALVE BOXES TO FINISHED GRADE.
- STORM SEWER WITHIN STREET RIGHT-OF-WAYS SHALL BE REINFORCED CONCRETE PIPE.
- EXCAVATED MATERIAL FROM THE TRENCH NOT SUITABLE FOR BACKFILL AS DEEMED BY THE ENGINEER SHALL BE REMOVED AND REPLACED WITH SELECT TRENCH BACKFILL.
- ADJUSTMENT RINGS SHALL HAVE A MINIMUM HEIGHT OF 4" AND A MAXIMUM HEIGHT OF 12". ADJUSTMENT RINGS FOR STORM MANHOLES SHALL BE POLYETHYLENE PLASTIC OR APPROVED EQUAL. CURB INLET ADJUSTMENT RINGS SHALL BE CONCRETE.
- ALL INFILTRATION BASINS SHALL INCLUDE ENGINEERED SOILS OR PERMA-MATRIX SOIL AMENDMENT APPLIED PER MANUFACTURER RECOMMENDATIONS.
- THE LAST THREE PIPES SHALL BE STRAPPED TOGETHER AT END SECTIONS ON ALL PIPES 18" AND GREATER.
- TRASH GRATES SHALL BE PROVIDED ON ALL END SECTIONS ON ENCLOSED STORM SEWER NETWORKS.
- BIODEGRADABLE EROSION MAT AND BIODEGRADABLE STAPLES ARE REQUIRED ON ALL SLOPES LESS THAN 3:1 OUTSIDE OF DRAINAGE CHANNELS WHERE EROSION MAT IS REQUIRED.
- SILT FENCE AND INLET PROTECTION REMOVAL IS REQUIRED AFTER VEGETATION HAS BEEN ESTABLISHED.

WATER MAIN

- WATER SERVICES 2" OR SMALLER SHALL BE TYPE "K" COPPER OR APPROVED EQUAL.
- WATER MAIN SHALL BE INSTALLED WITH TRACER WIRE. TRACER WIRE SHALL EXTEND TO THE SURFACE AT ALL HYDRANTS IN A TRACER WIRE ACCESS BOX.
- WATER MAIN SHALL HAVE A MINIMUM COVER OF 6.5' WITH PROPER CLEARANCES BETWEEN THE WATERMAIN AND STORM/SANITARY SEWERS.
- WATER VALVES SHALL BE AMERICAN FLOW CONTROL SERIES 2500 RESILIENT WEDGE GATE VALVES OR APPROVED EQUAL.
- EXCAVATED MATERIAL FROM THE TRENCH NOT SUITABLE FOR BACKFILL AS DEEMED BY THE ENGINEER SHALL BE REMOVED AND REPLACED WITH SELECT TRENCH BACKFILL.
- ALL WATER MAIN CONSTRUCTION SHALL MEET THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.
- INSULATION SHALL BE PROVIDED AT ALL STORMS SEWER CROSSINGS OF MAINS AND LATERALS.

ADDITIONAL UTILITY NOTES

- THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO WISCONSIN ADMINISTRATIVE CODE, SECTION SPS 382-384, LATEST EDITION, THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.
- BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES. IF ANY EXISTING UTILITIES ARE NOT AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR POSSIBLE REDESIGN.
- ALL CONNECTIONS TO EXISTING PIPES AND MANHOLES SHALL BE CORED CONNECTIONS.
- PROPOSED SANITARY SEWER, WATER MAIN, AND INTERNALLY CONNECTED STORM SEWER SHOWN ON THIS PLAN SHALL TERMINATE AT POINT FIVE (5) FEET FROM THE EXTERIOR BUILDING WALL. STORM SEWER CONNECTING TO EXTERIOR DOWN SPOUTS SHALL BE PER DETAILS ON THE ARCHITECTURAL PLANS. THE EXACT LOCATION OF ALL DOWN SPOUTS SHALL BE PER THE ARCHITECTURAL PLANS.
- EXTREME CAUTION MUST BE FOLLOWED REGARDING THE COMPACTION OF ALL UTILITY TRENCHES. MECHANICALLY COMPACTED GRANULAR BACKFILL IS REQUIRED UNDER AND WITHIN 5 FEET OF ALL PAVEMENT INCLUDING SIDEWALKS. FLOODING OF BACKFILL MATERIAL IS NOT ALLOWED. THE COST OF THIS GRANULAR MATERIAL AND ITS COMPACTION IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE PROPOSED UTILITY.
- PRIOR TO FINAL PAVING OPERATIONS, THE UTILITY CONTRACTOR SHALL ADJUST ALL MANHOLE AND INLET RIMS AND VALVE BOXES TO FINISHED GRADE.
- TRACER WIRE SHALL BE INSTALLED ON ALL BURIED NON-METALLIC SANITARY SEWERS, PRIVATE SANITARY INTERCEPTOR MAIN SEWERS, STORM BUILDING SEWERS, AND PRIVATE STORM INTERCEPTOR MAIN SEWERS THAT DISCHARGE TO MUNICIPAL MAINS. TRACER WIRE SHALL BE A MINIMUM OF 12-GAUGE, INSULATED, SINGLE-CONDUCTOR COPPER WIRE OR EQUIVALENT. TRACER WIRE COLOR SHALL BE BLUE FOR POTABLE WATER, GREEN FOR SANITARY SEWER, AND BROWN FOR STORM SEWER.

UTILITY QUALITY SERVICE LEVELS

QUALITY LEVELS OF UTILITIES ARE SHOWN IN THE PARENTHESES WITH THE UTILITY TYPE AND WHEN APPLICABLE, SIZE.

QUALITY LEVEL (D) INFORMATION IS DERIVED FROM EXISTING UTILITY RECORDS OR ORAL RECOLLECTIONS.

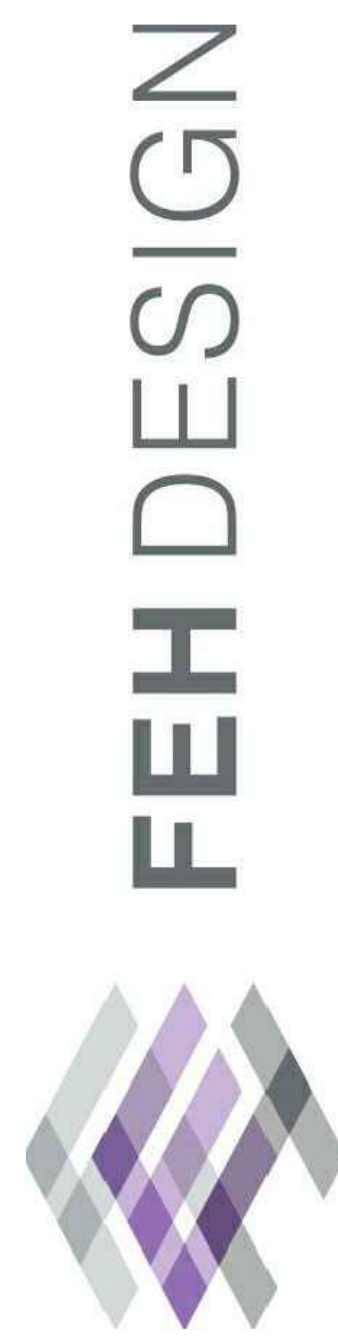
QUALITY LEVEL (C) INFORMATION IS OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION WITH QUALITY D INFORMATION.

QUALITY LEVEL (B) INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.

QUALITY LEVEL (A) IS HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES OBTAINED BY ACTUAL EXPOSURE OR VERIFICATION OF PREVIOUSLY EXPOSED SUBSURFACE UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.



AN ASSOCIATION WITH

SHEET TITLE
NOTES

PROJECT TITLE
SUN PRAIRIE LIBRARY
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SUN PRAIRIE, WISCONSIN

DATE ISSUED
DECEMBER 6, 2023

PROJECT NUMBER
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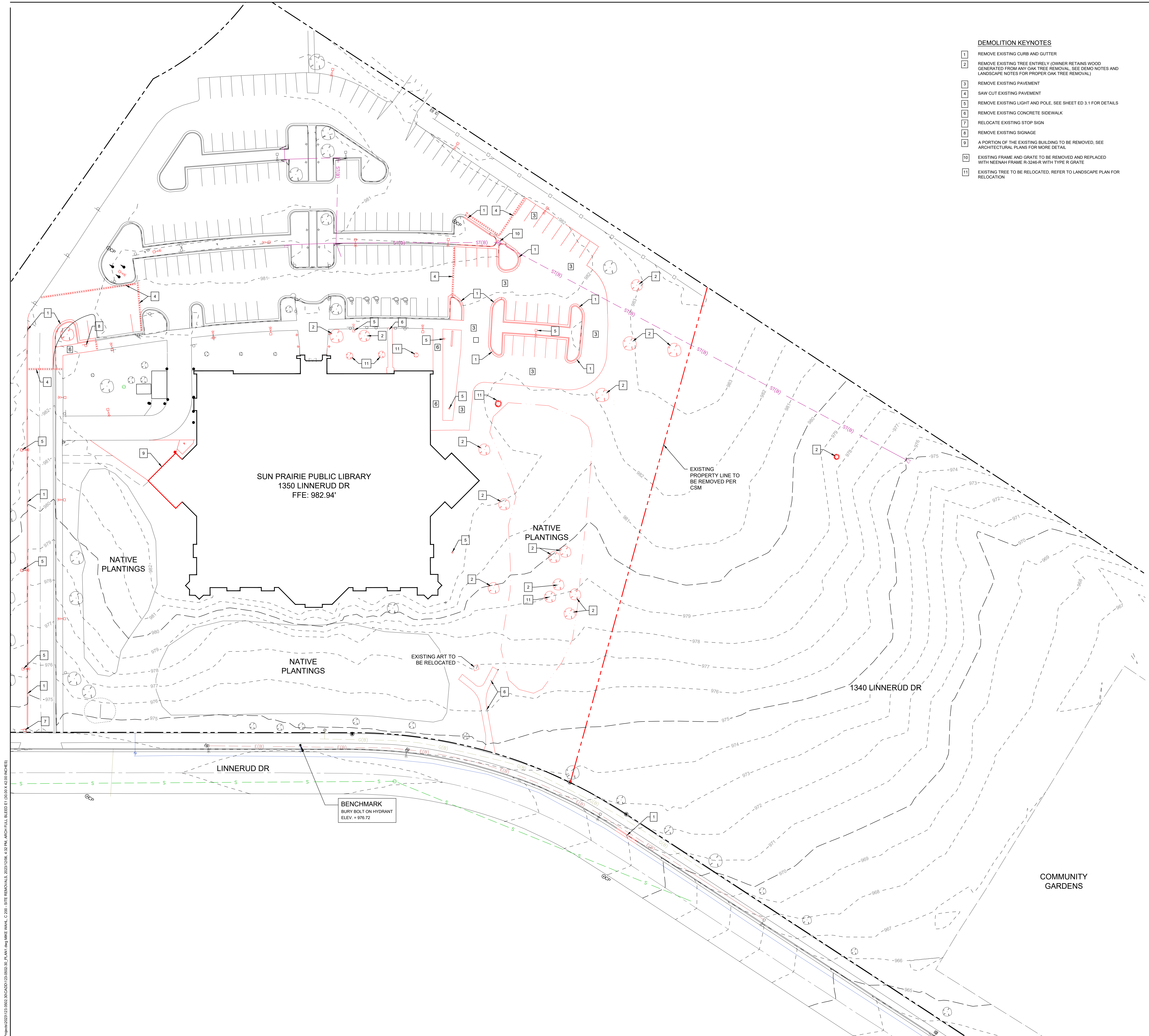
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- DEMOLITION KEYNOTES**
- 1 REMOVE EXISTING CURB AND GUTTER
 - 2 REMOVE EXISTING TREE ENTIRELY (OWNER RETAINS WOOD GENERATED FROM ANY OAK TREE REMOVAL. SEE DEMO NOTES AND LANDSCAPE NOTES FOR PROPER OAK TREE REMOVAL.)
 - 3 REMOVE EXISTING PAVEMENT
 - 4 SAW CUT EXISTING PAVEMENT
 - 5 REMOVE EXISTING LIGHT AND POLE. SEE SHEET ED 3.1 FOR DETAILS
 - 6 REMOVE EXISTING CONCRETE SIDEWALK
 - 7 RELOCATE EXISTING STOP SIGN
 - 8 REMOVE EXISTING SIGNAGE
 - 9 A PORTION OF THE EXISTING BUILDING TO BE REMOVED. SEE ARCHITECTURAL PLANS FOR MORE DETAIL
 - 10 EXISTING FRAME AND GRATE TO BE REMOVED AND REPLACED WITH NEENAH FRAME R-3246-R WITH TYPE R GRATE
 - 11 EXISTING TREE TO BE RELOCATED. REFER TO LANDSCAPE PLAN FOR RELOCATION

LEGEND

FEATURES

- Section Corner
- 1/2" Rebar, Cap # 11579 (Unless Otherwise Noted)
- ROW Marker
- ROW Rail
- Control Point
- Bench Mark
- Platted Distance
- Measured Bearing & Distance
- Recorded As
- Deed Distance
- Calculated Distance
- Minimum Protection Elevation
- Centerline
- Section Line
- 1/4 Section Line
- 1/4 1/4 Section Line
- Easement Line

EXISTING

- Spot Elevation
- Contour Elevation
- Fence (Barbed, Field, Hog)
- Fence (Chain Link)
- Fence (Wood)
- Fence (Sill)
- Tree Line
- Tree Stump
- Deciduous Tree \ Shrub
- Coniferous Tree \ Shrub
- Communication
- Overhead Communication
- Fiber Optic
- Underground Electric
- Overhead Electric
- Gas Main with Size
- High Pressure Gas Main with Size
- Water Main with Size
- Sanitary Sewer with Size
- Duct Bank
- Test Hole Location for SUE w/D
- Sanitary Manhole
- Storm Sewer with Size
- Storm Manhole
- Single Storm Sewer Intake
- Double Storm Sewer Intake
- Fire Hydrant
- Fire Hydrant on Building
- Water Main Valve
- Water Service Valve
- Well
- Utility Pole
- Guy Anchor
- Utility Pole with Light
- Utility Pole with Transformer
- Street Light
- Yard Light
- Electric Box
- Electric Transformer
- Traffic Sign
- Communication Pedestal
- Communication Manhole
- Communication Handhole
- Fiber Optic Manhole
- Fiber Optic Handhole
- Gas Valve
- Gas Manhole
- Gas Apparatus
- Fence Post or Guard Post
- Underground Storage Tank
- Above Ground Storage Tank
- Sign
- Satellite Dish
- Mailbox
- Sprinkler Head
- Irrigation Control Valve
- Soil Boring

PROPOSED

- Spot Elevation
- Contour Elevation
- Fence (Barbed, Field, Hog)
- Fence (Chain Link)
- Fence (Wood)
- Fence (Sill)
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- 1/4 1/4 Section Line
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SET

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REMOVAL ITEMS

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- Soil Boring

Elevation

Section Number

Drawing Number

Removal Items

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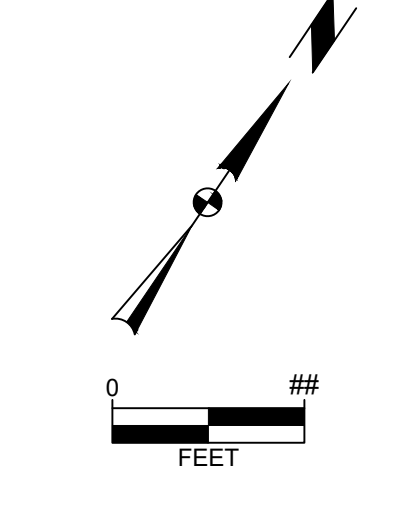
SITE REMOVALS

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DATE ISSUED
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PROJECT NUMBER
 123.0502.30

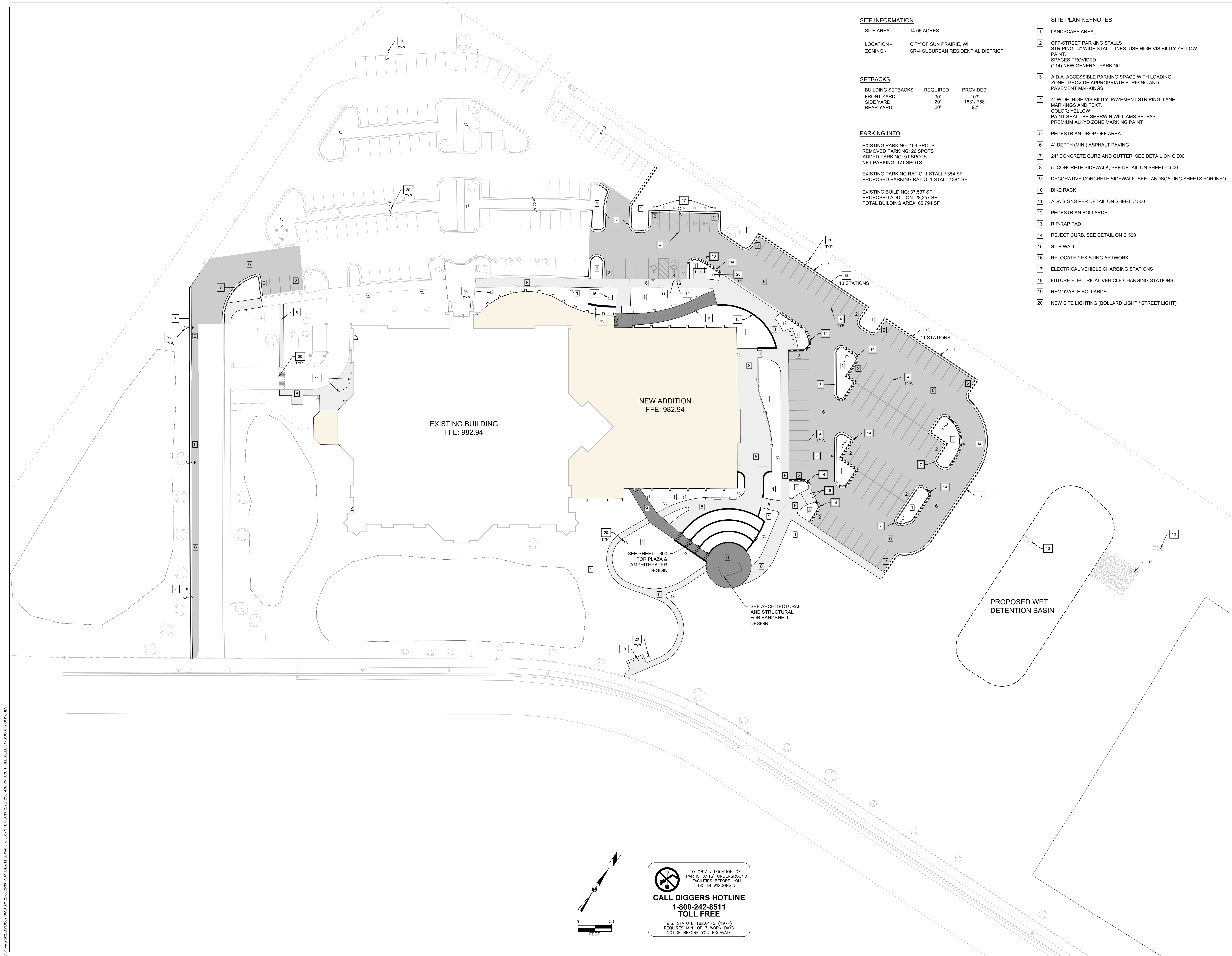
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CALL DIGGERS HOTLINE
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 REQUIRES MIN. OF 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE

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SITE INFORMATION

SITE AREA - 14.05 ACRES
 LOCATION - CITY OF SUN PRAIRIE, WI
 ZONING - SR-4 SUBURBAN RESIDENTIAL DISTRICT

SETBACKS

BUILDING SETBACKS	REQUIRED	PROVIDED
FRONT YARD	30'	103'
SIDE YARD	20'	183' / 758'
REAR YARD	20'	92'

PARKING INFO

EXISTING PARKING: 106 SPOTS
 REMOVED PARKING: 26 SPOTS
 ADDED PARKING: 91 SPOTS
 NET PARKING: 171 SPOTS
 EXISTING PARKING RATIO: 1 STALL / 354 SF
 PROPOSED PARKING RATIO: 1 STALL / 384 SF
 EXISTING BUILDING: 37,537 SF
 PROPOSED ADDITION: 28,257 SF
 TOTAL BUILDING AREA: 65,794 SF

SITE PLAN KEYNOTES

- 1 LANDSCAPE AREA.
- 2 OFF-STREET PARKING STALLS STRIPING - 4" WIDE STALL LINES, USE HIGH VISIBILITY YELLOW PAINT. SPACES PROVIDED (114) NEW GENERAL PARKING
- 3 A.D.A. ACCESSIBLE PARKING SPACE WITH LOADING ZONE. PROVIDE APPROPRIATE STRIPING AND PAVEMENT MARKINGS.
- 4 4" WIDE, HIGH VISIBILITY, PAVEMENT STRIPING, LANE MARKINGS AND TEXT. COLOR: YELLOW PAINT SHALL BE SHERWIN WILLIAMS SETFAST PREMIUM ALKYD ZONE MARKING PAINT
- 5 PEDESTRIAN DROP OFF AREA
- 6 4" DEPTH (MIN.) ASPHALT PAVING
- 7 24" CONCRETE CURB AND GUTTER, SEE DETAIL ON C 500
- 8 5" CONCRETE SIDEWALK, SEE DETAIL ON SHEET C 500
- 9 DECORATIVE CONCRETE SIDEWALK, SEE LANDSCAPING SHEETS FOR INFO.
- 10 BIKE RACK
- 11 ADA SIGNS PER DETAIL ON SHEET C 500
- 12 PEDESTRIAN BOLLARDS
- 13 RIP-RAP PAD
- 14 REJECT CURB, SEE DETAIL ON C 500
- 15 SITE WALL
- 16 RELOCATED EXISTING ARTWORK
- 17 ELECTRICAL VEHICLE CHARGING STATIONS
- 18 FUTURE ELECTRICAL VEHICLE CHARGING STATIONS
- 19 REMOVABLE BOLLARDS
- 20 NEW SITE LIGHTING (BOLLARD LIGHT / STREET LIGHT)

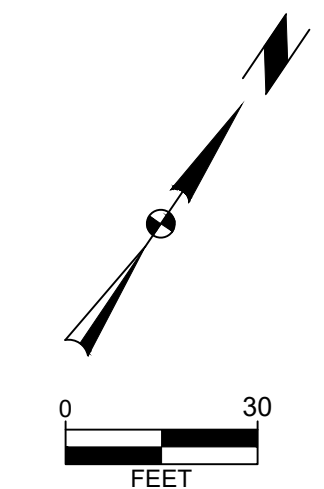
EXISTING BUILDING
 FFE: 982.94

NEW ADDITION
 FFE: 982.94

SEE SHEET L 300
 FOR PLAZA &
 AMPHITHEATER
 DESIGN

SEE ARCHITECTURAL
 AND STRUCTURAL
 FOR BANDSHELL
 DESIGN

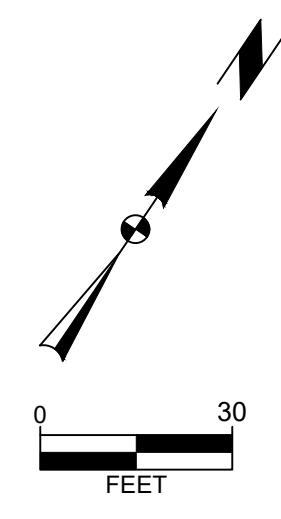
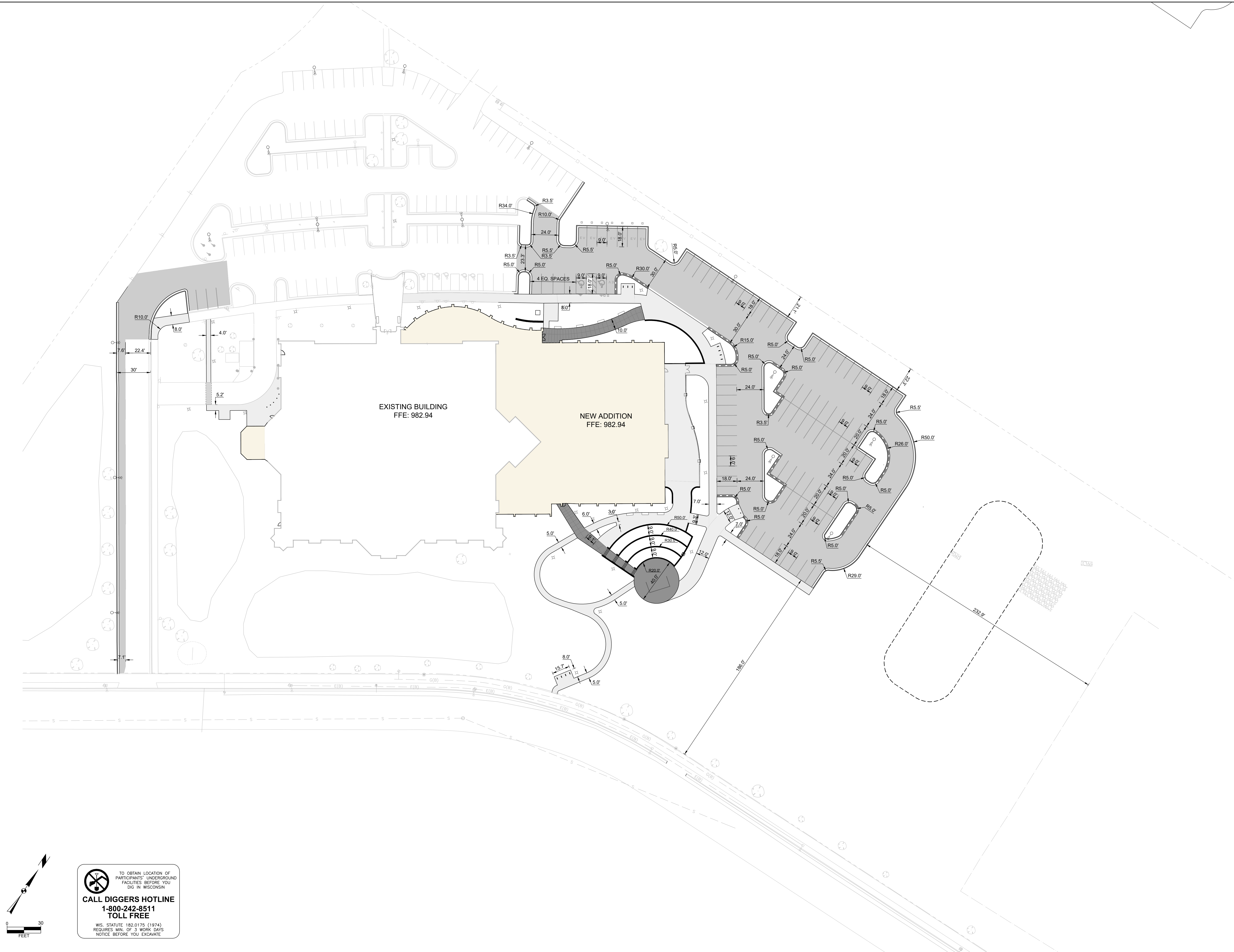
PROPOSED WET
 DETENTION BASIN



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
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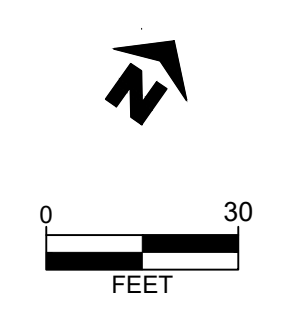
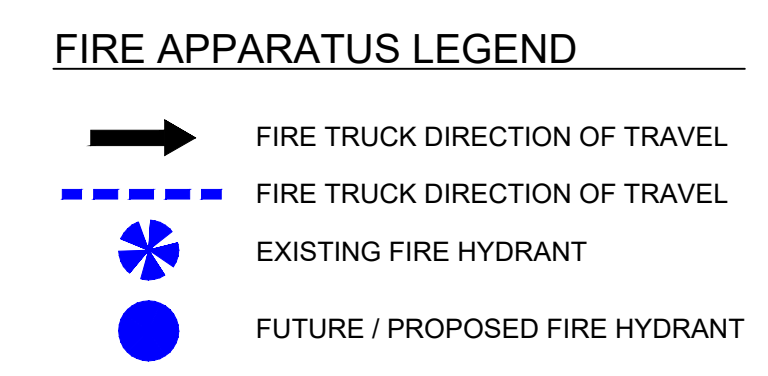
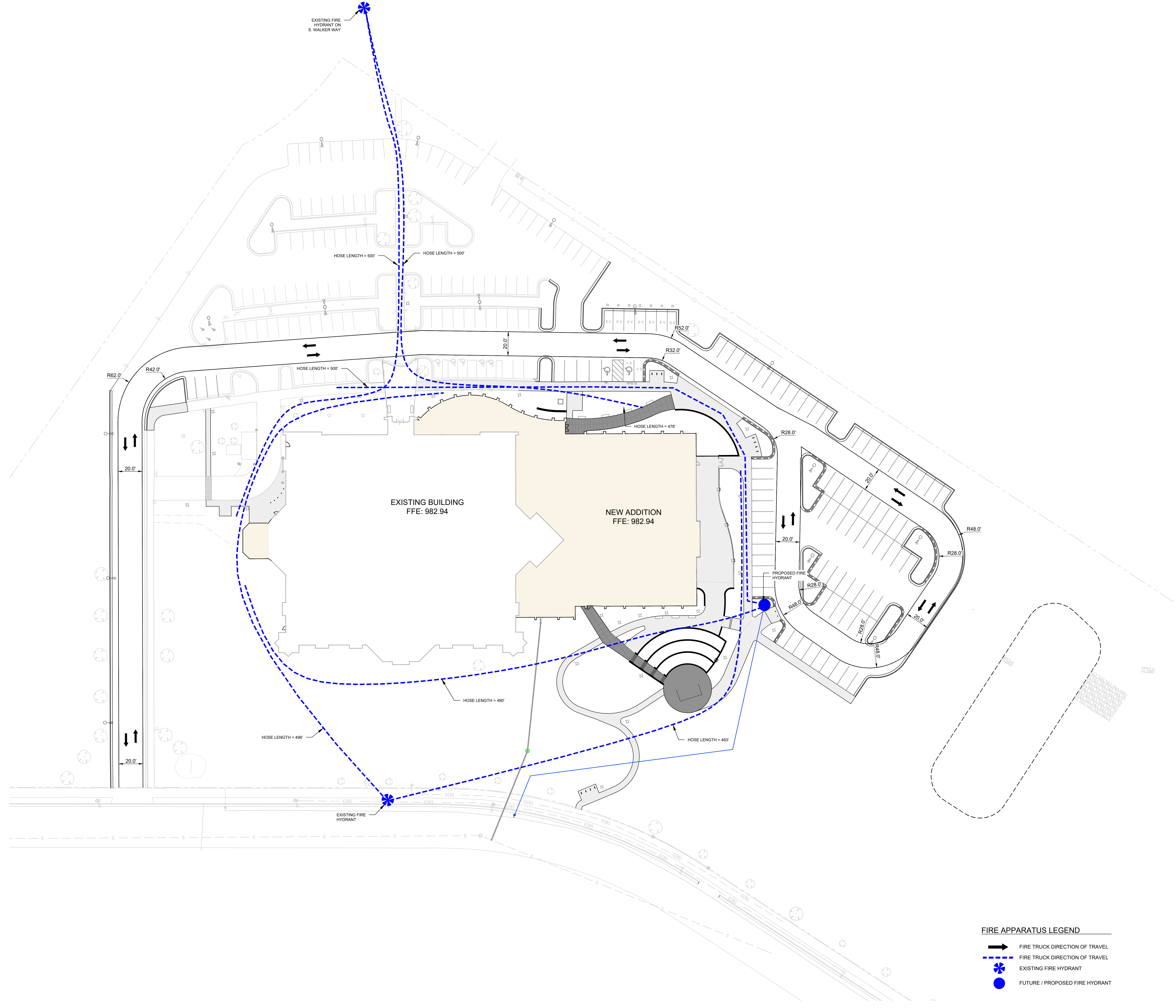
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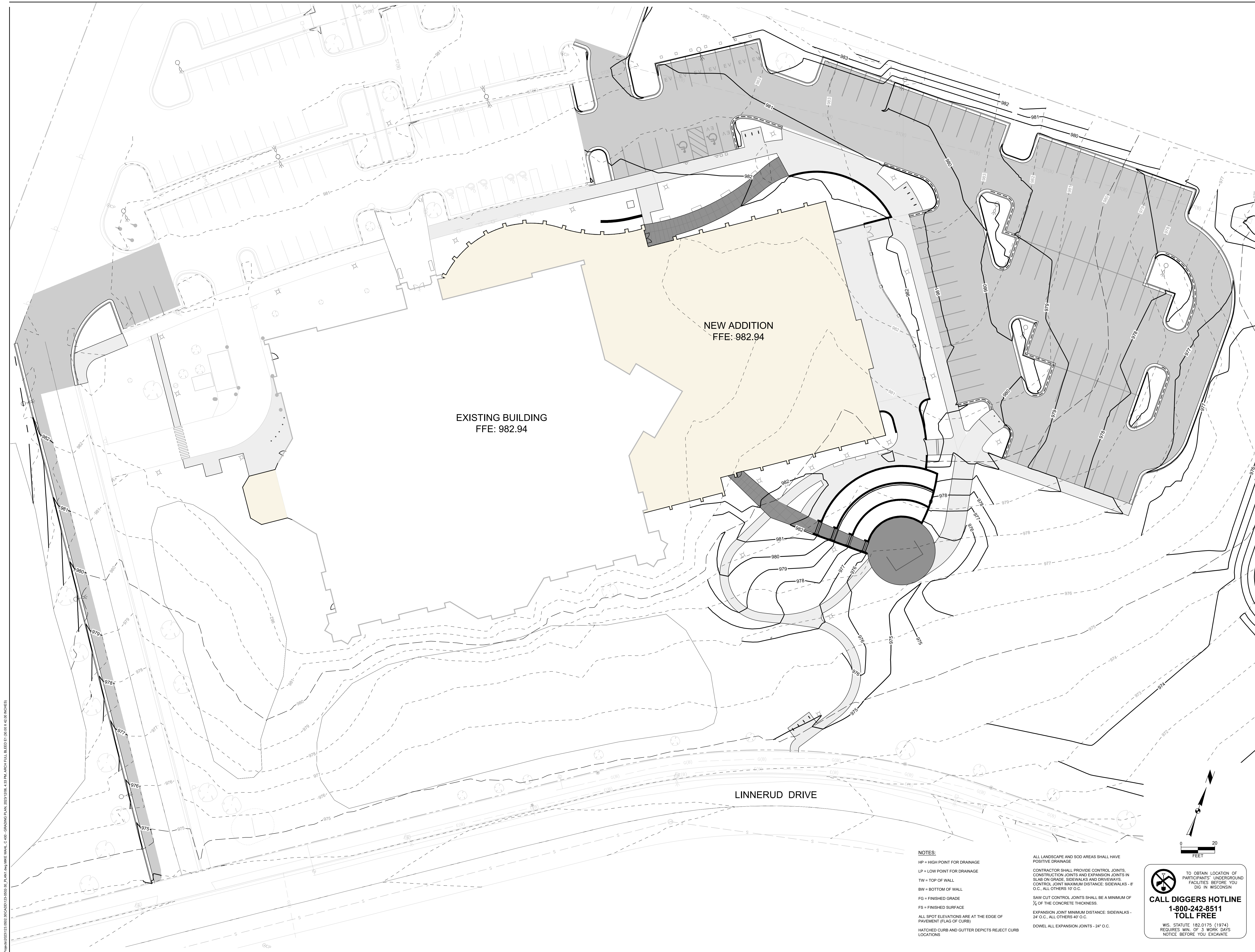
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EXISTING BUILDING
FFE: 982.94

NEW ADDITION
FFE: 982.94

LINNERUD DRIVE

- NOTES:**
- HP = HIGH POINT FOR DRAINAGE
 - LP = LOW POINT FOR DRAINAGE
 - TW = TOP OF WALL
 - BW = BOTTOM OF WALL
 - FG = FINISHED GRADE
 - FS = FINISHED SURFACE
 - ALL SPOT ELEVATIONS ARE AT THE EDGE OF PAVEMENT (FLAG OF CURB)
 - HATCHED CURB AND GUTTER DEPICTS REJECT CURB LOCATIONS

ALL LANDSCAPE AND SOD AREAS SHALL HAVE POSITIVE DRAINAGE

CONTRACTOR SHALL PROVIDE CONTROL JOINTS, CONSTRUCTION JOINTS AND EXPANSION JOINTS IN SLAB ON GRADE, SIDEWALKS AND DRIVEWAYS. CONTROL JOINT MAXIMUM DISTANCE: SIDEWALKS - 8' O.C., ALL OTHERS: 12' O.C.

SAW CUT CONTROL JOINTS SHALL BE A MINIMUM OF 1/4" OF THE CONCRETE THICKNESS.

EXPANSION JOINT MINIMUM DISTANCE: SIDEWALKS - 24' O.C., ALL OTHERS 40' O.C.

DOWEL ALL EXPANSION JOINTS - 24" O.C.

0 20
FEET

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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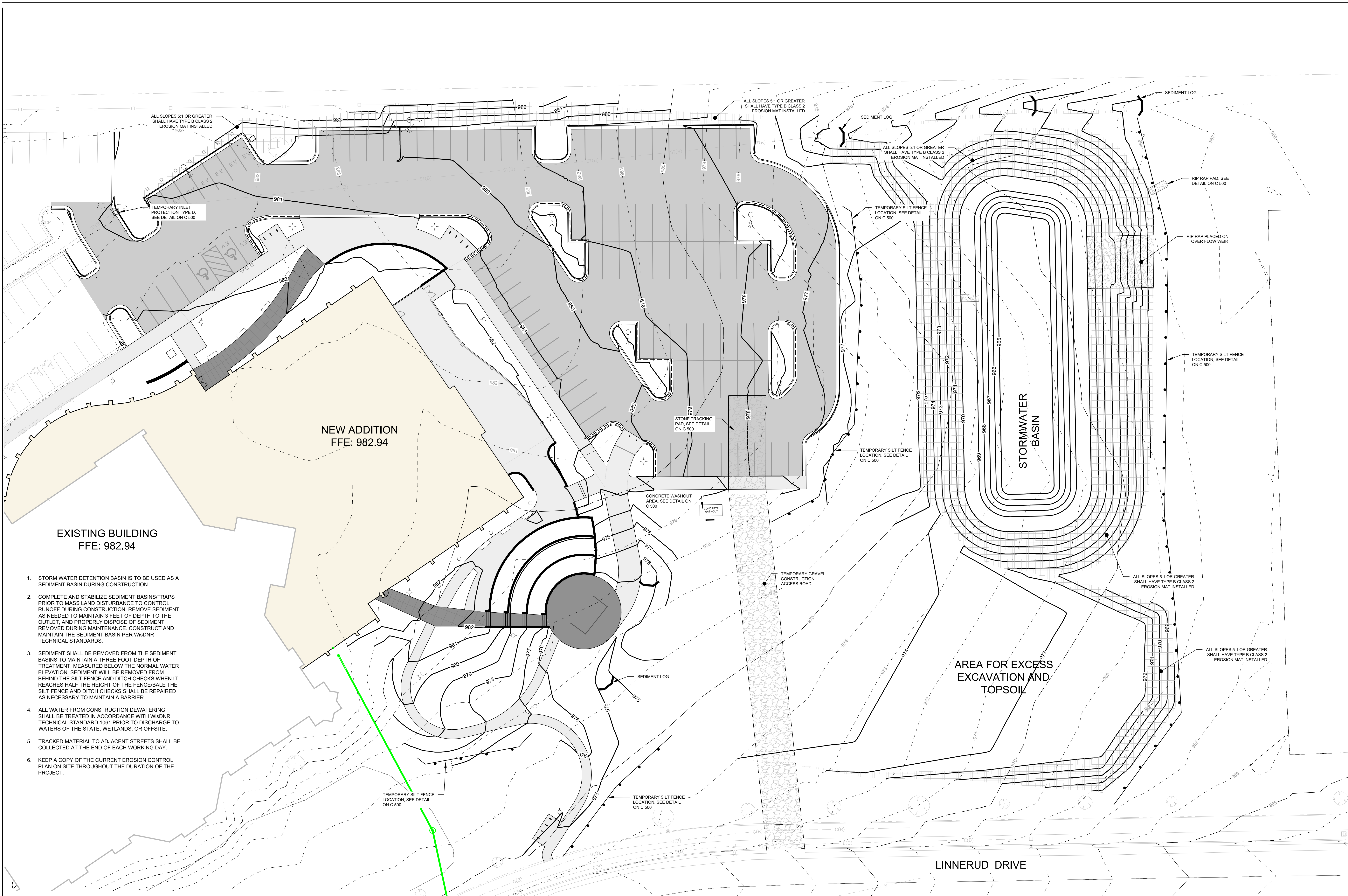
SHEET TITLE
OVERALL GRADING PLAN

PROJECT TITLE
SUN PRAIRIE LIBRARY
1350 LINNERUD DR.
SUN PRAIRIE, WISCONSIN

DATE ISSUED
DECEMBER 6, 2023

PROJECT NUMBER
123.0502.30

SHEET
C 400



EXISTING BUILDING
FFE: 982.94

NEW ADDITION
FFE: 982.94

1. STORM WATER DETENTION BASIN IS TO BE USED AS A SEDIMENT BASIN DURING CONSTRUCTION.
2. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE. CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WisDNR TECHNICAL STANDARDS.
3. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASINS TO MAINTAIN A THREE FOOT DEPTH OF TREATMENT, MEASURED BELOW THE NORMAL WATER ELEVATION. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE AND DITCH CHECKS WHEN IT REACHES HALF THE HEIGHT OF THE FENCE/BALE THE SILT FENCE AND DITCH CHECKS SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
4. ALL WATER FROM CONSTRUCTION DEWATERING SHALL BE TREATED IN ACCORDANCE WITH WisDNR TECHNICAL STANDARD 1061 PRIOR TO DISCHARGE TO WATERS OF THE STATE, WETLANDS, OR OFFSITE.
5. TRACKED MATERIAL TO ADJACENT STREETS SHALL BE COLLECTED AT THE END OF EACH WORKING DAY.
6. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.

CONSTRUCTION SEQUENCE

- *INSTALL EROSION/SEDIMENT CONTROL MEASURES
- *INSTALL STORMWATER MANAGEMENT SEDIMENT BASINS
- *INSTALL STORM SEWER
- *INSTALL STRUCTURES
- *INSTALL PAVEMENTS
- *INSTALL LAWN LANDSCAPE
- *FLUSH STORM SEWER
- *REMOVE EROSION CONTROL MEASURES ONLY AFTER ALL PAVEMENTS HAVE BEEN INSTALLED AND ALL SOILS HAVE BEEN STABILIZED

ESTIMATED PRELIMINARY EROSION CONTROL QUANTITIES (ACTUAL QUANTITIES SUBJECT TO CHANGE)	
ITEM	QUANTITY
EROSION MAT - PERMANENT	2,400 S.Y.
SILT FENCE - TEMP	750 L.F.
INLET PROTECTION, TYPE A - TEMP	0 EA.
INLET PROTECTION, TYPE D - TEMP	3 EA.
SEDIMENT LOG	72 L.F.
RIP-RAP - PERMANENT	52 C.Y.

NOTE: FOR MAINTENANCE PURPOSES CONTRACTOR SHALL SUPPLY ALL SUFFICIENT QUANTITIES FOR REPAIR AND REPLACEMENT OF EROSION CONTROL DEVICES THROUGHOUT ALL PHASES OF THE PROJECTS CONSTRUCTION.

EROSION CONTROL PLAN

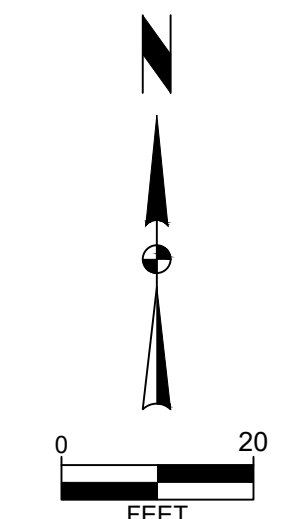
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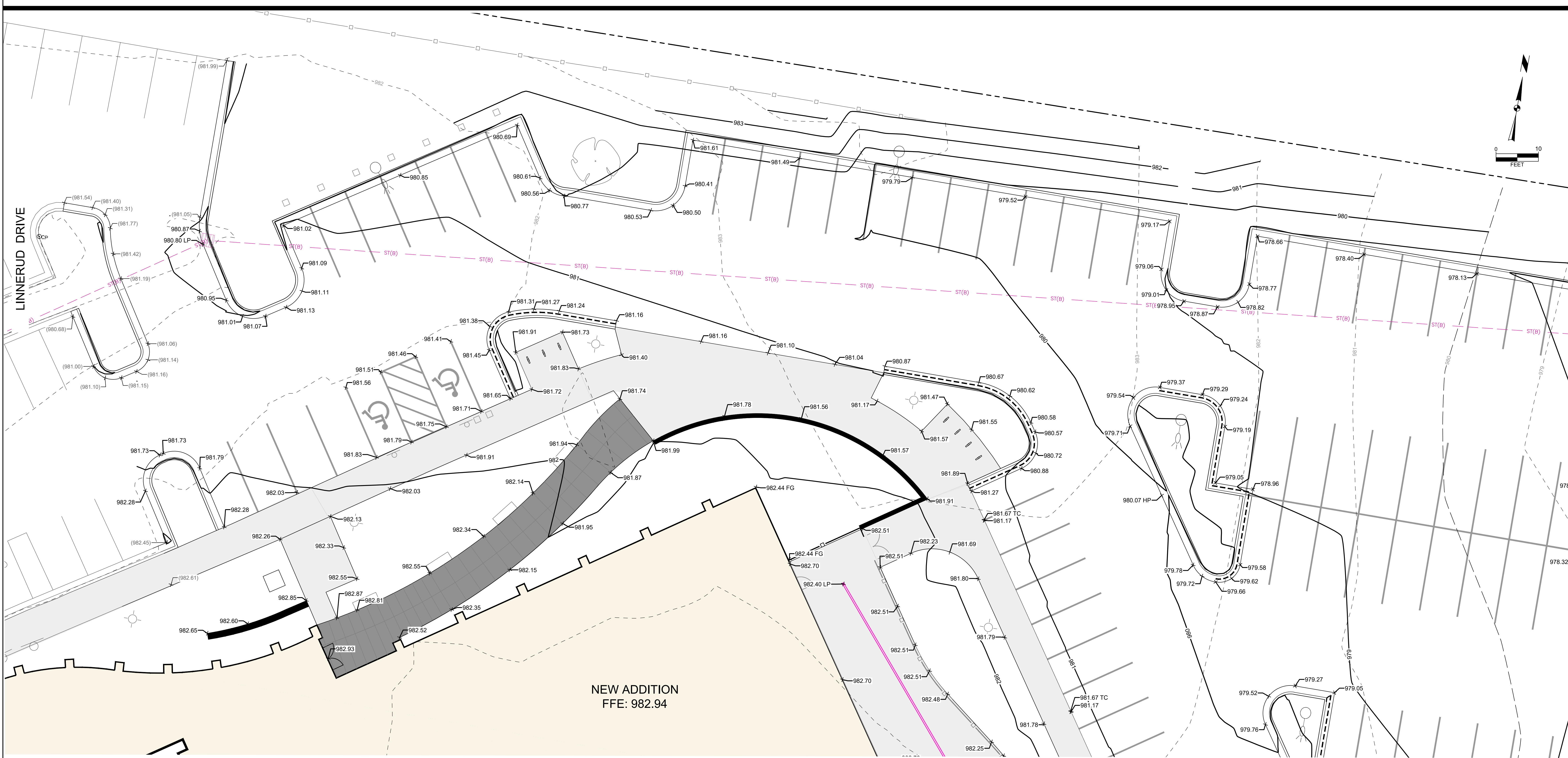
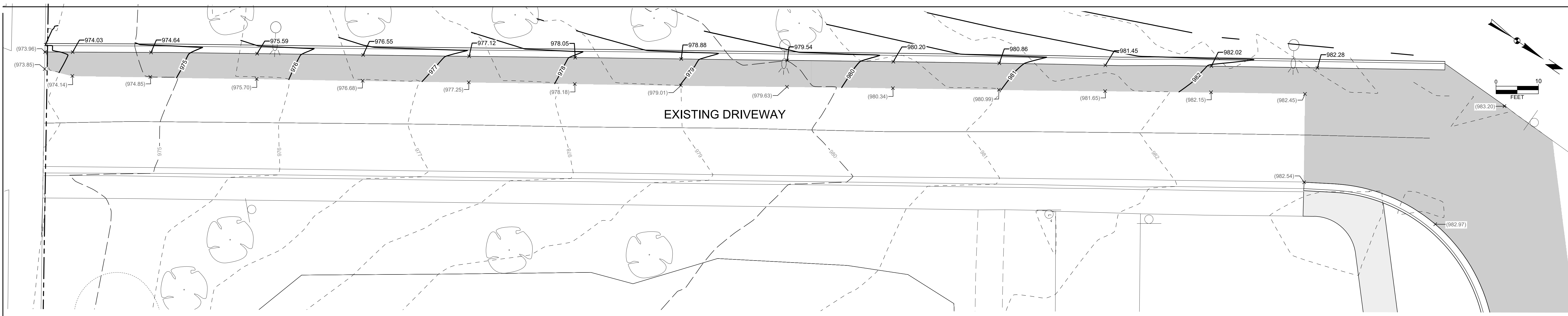
SHEET

C 401



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE
 WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

V:\Projects\2023\123.0502.30\SUN PRAIRIE LIBRARY - EROSION CONTROL PLAN.dwg, 4:58 PM, 12/6/2023, 1:00 X 11.00 INCHES

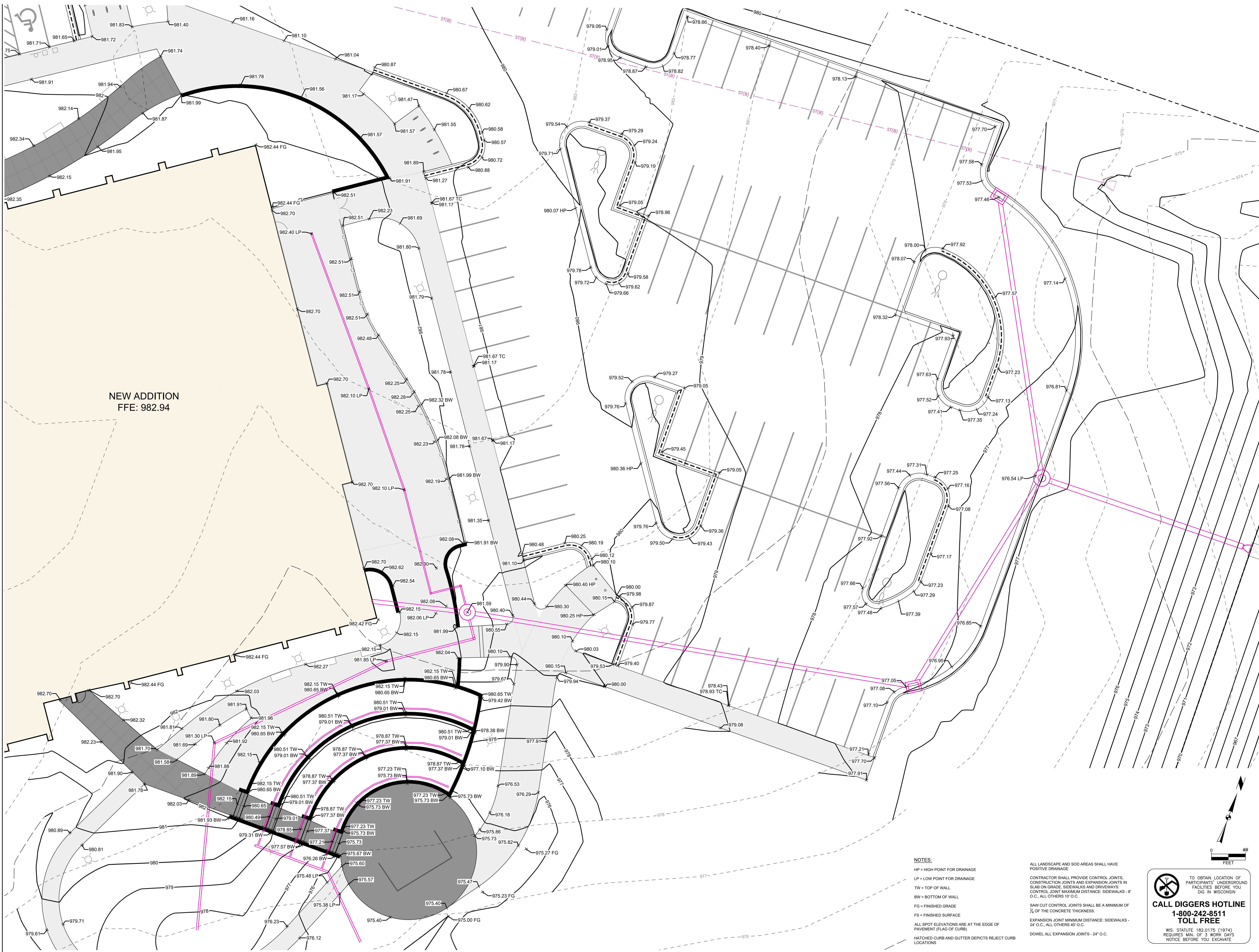


NOTES:

- HP = HIGH POINT FOR DRAINAGE
- LP = LOW POINT FOR DRAINAGE
- TW = TOP OF WALL
- BW = BOTTOM OF WALL
- FG = FINISHED GRADE
- FS = FINISHED SURFACE
- ALL SPOT ELEVATIONS ARE AT THE EDGE OF PAVEMENT (FLAG OF CURB)
- HATCHED CURBS AND GUTTER DEPICTS REJECT CURB LOCATIONS
- ALL LANDSCAPE AND SOD AREAS SHALL HAVE POSITIVE DRAINAGE
- CONTRACTOR SHALL PROVIDE CONTROL JOINTS, CONSTRUCTION JOINTS AND EXPANSION JOINTS IN SLAB ON GRADE, SIDEWALKS AND DRIVEWAYS. CONTROL JOINT MAXIMUM DISTANCE: SIDEWALKS - 8' O.C. ALL OTHERS 10' O.C.
- SAW CUT CONTROL JOINTS SHALL BE A MINIMUM OF 1/2 OF THE CONCRETE THICKNESS.
- EXPANSION JOINT MINIMUM DISTANCE: SIDEWALKS - 24' O.C. ALL OTHERS 40' O.C.
- DOWEL ALL EXPANSION JOINTS - 24" O.C.

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V:\Projects\2023\123.0502.30\CD\123.0502.30_Plan.dwg (12/06/23) 4:33 PM, ARCHITURAL BREEDER (10/11/24) 4:00 (INCHES)

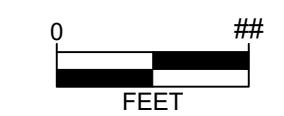


NEW ADDITION
FFE: 982.94

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 SAW CUT CONTROL JOINTS SHALL BE A MINIMUM OF 1/4" OF THE CONCRETE THICKNESS.
 EXPANSION JOINT MINIMUM DISTANCE: SIDEWALKS - 24' O.C., ALL OTHERS 60' O.C.
 DOWEL ALL EXPANSION JOINTS - 24" O.C.

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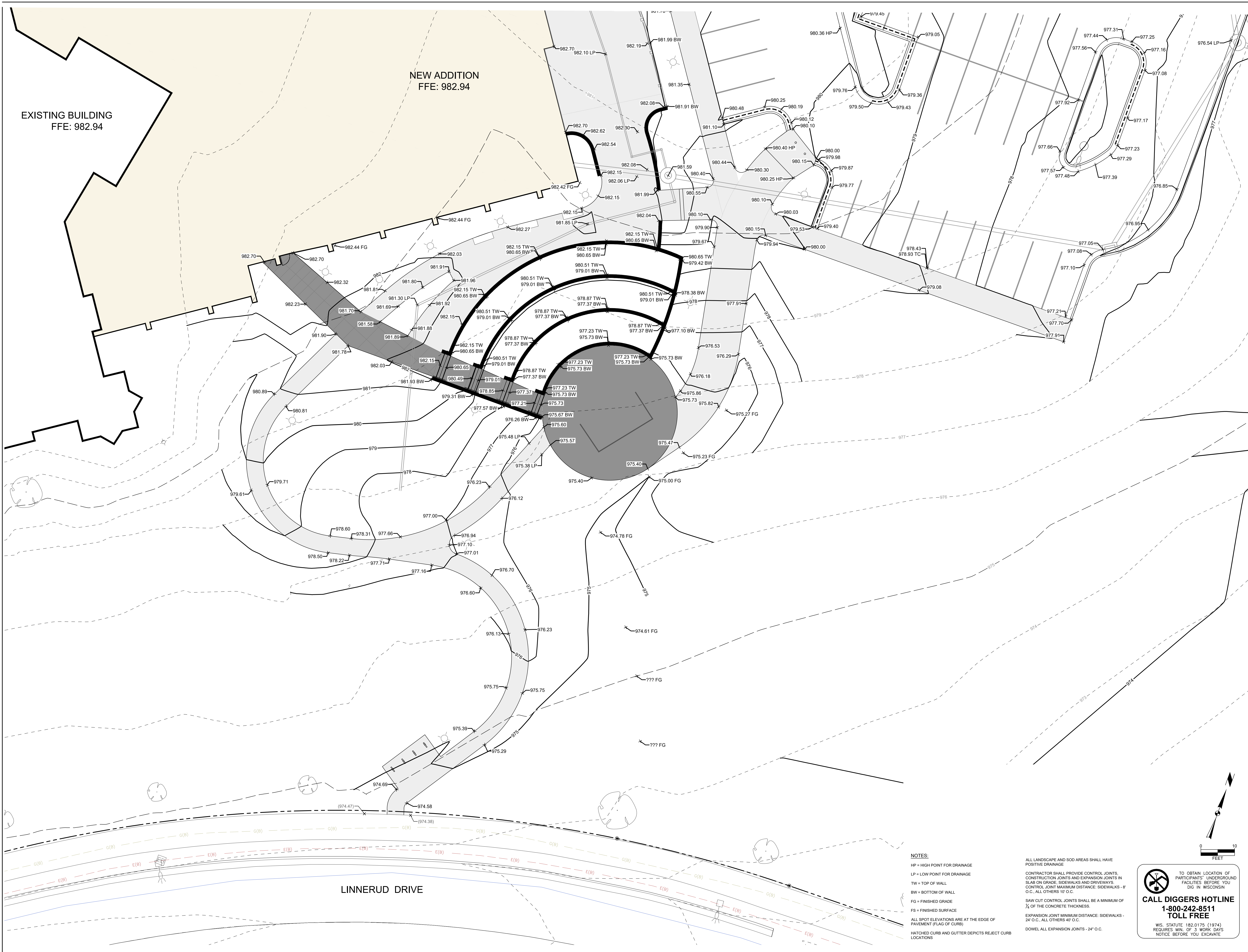
IN ASSOCIATION WITH
Snyder & Associates
 651 AVOCES BOULEVARD
 MADISON, WI 53718
 (608) 838-0444
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SPOT ELEVATIONS

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EXISTING BUILDING
FFE: 982.94

NEW ADDITION
FFE: 982.94

LINNERUD DRIVE

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 SAW CUT CONTROL JOINTS SHALL BE A MINIMUM OF 1/4 OF THE CONCRETE THICKNESS.
 EXPANSION JOINT MINIMUM DISTANCE: SIDEWALKS - 24' O.C., ALL OTHERS 40' O.C.
 DOWEL ALL EXPANSION JOINTS - 24" O.C.

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SPOT ELEVATIONS

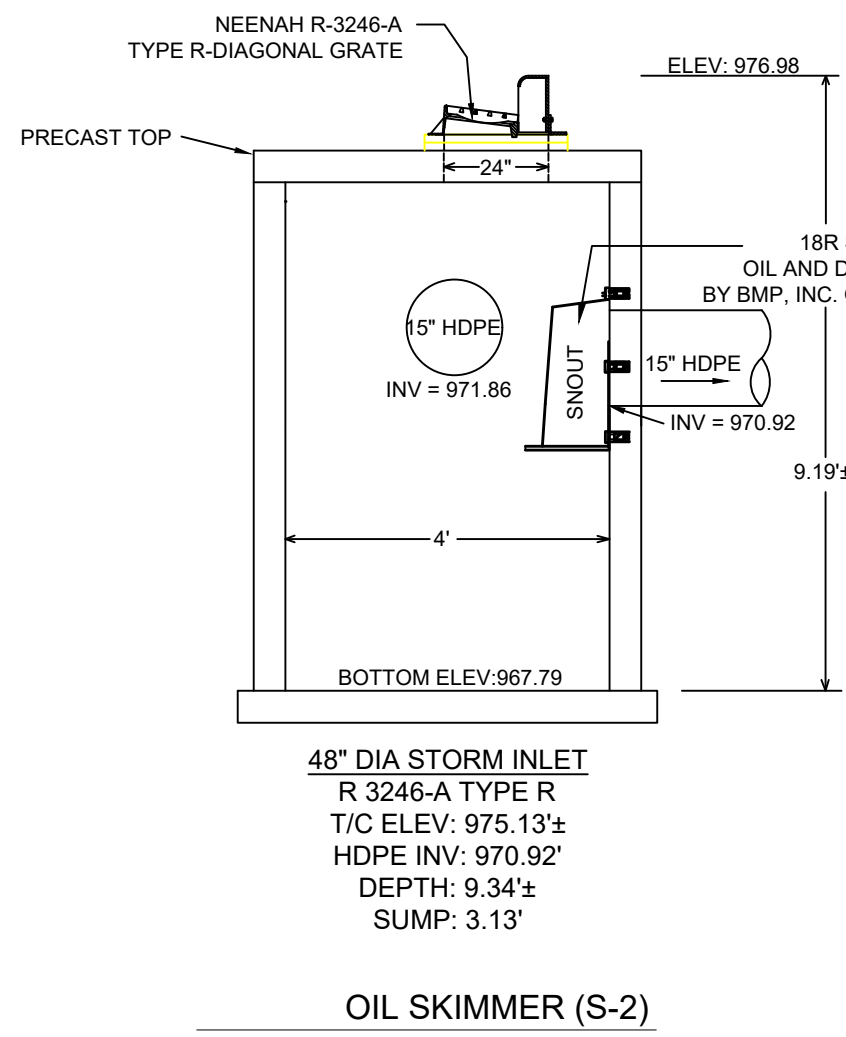
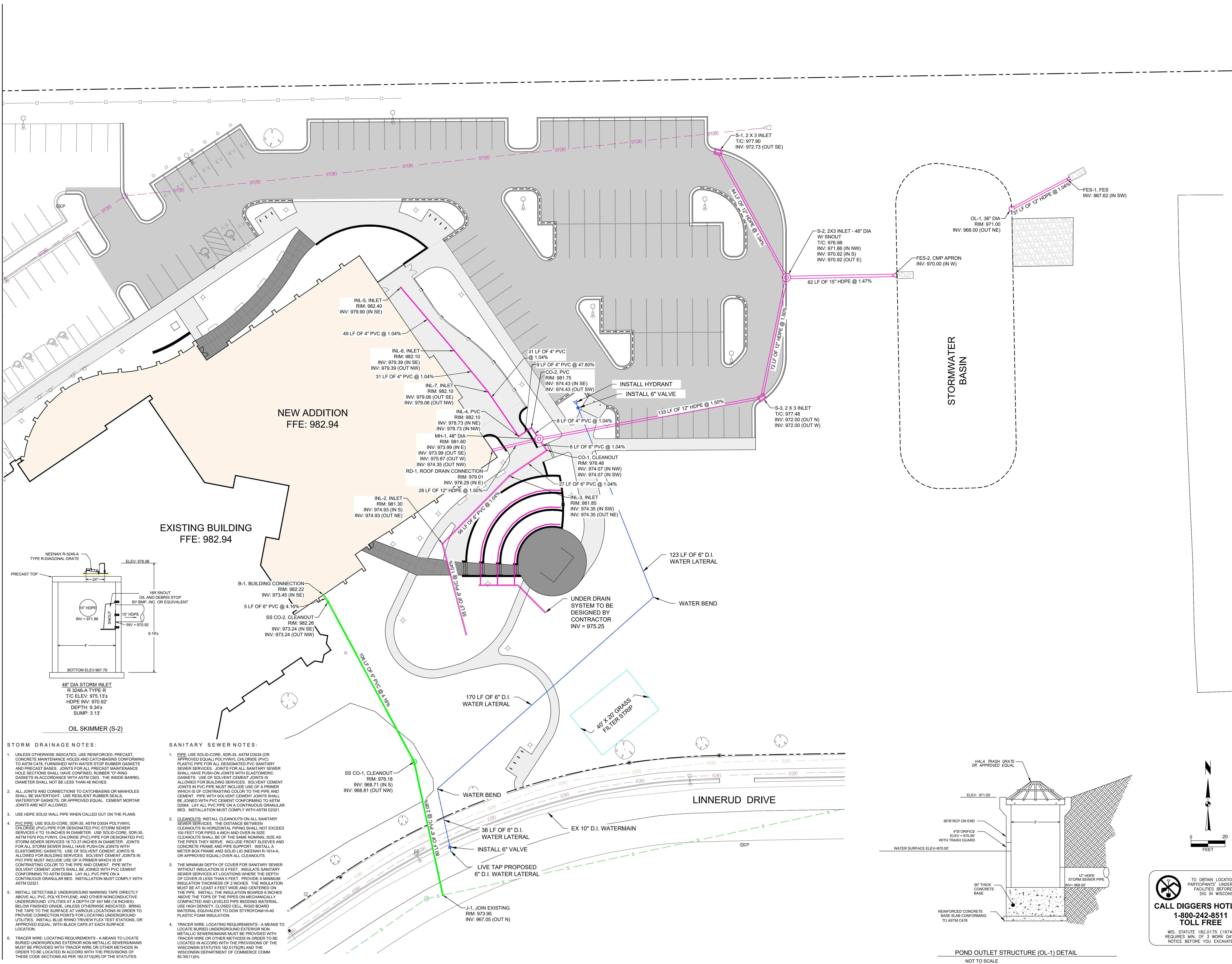
DATE ISSUED
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PROJECT NUMBER
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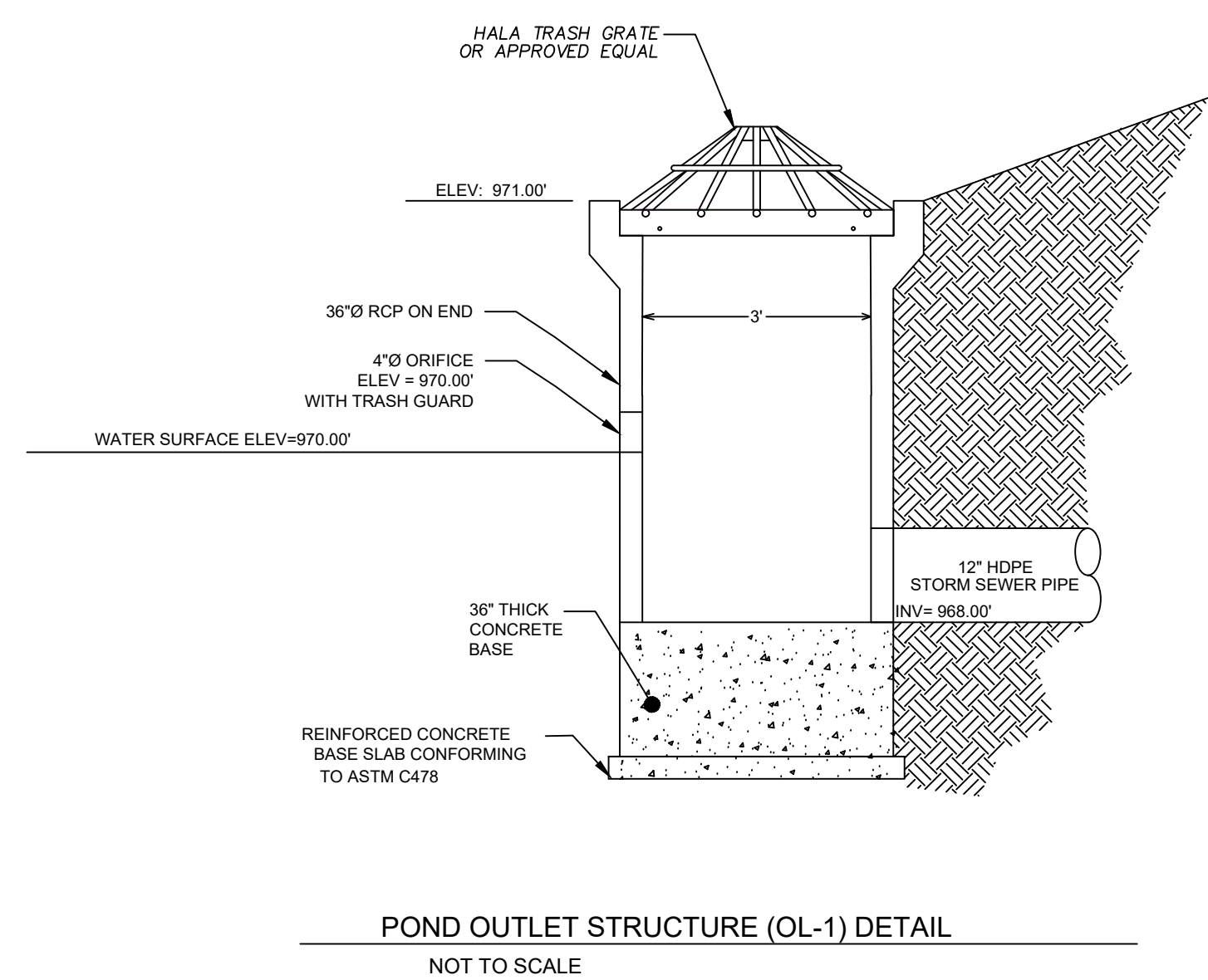
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 PLOT SCALE: 1.0000
 PLOT SHEET: 1 OF 1
 PLOT STATUS: SUCCESS

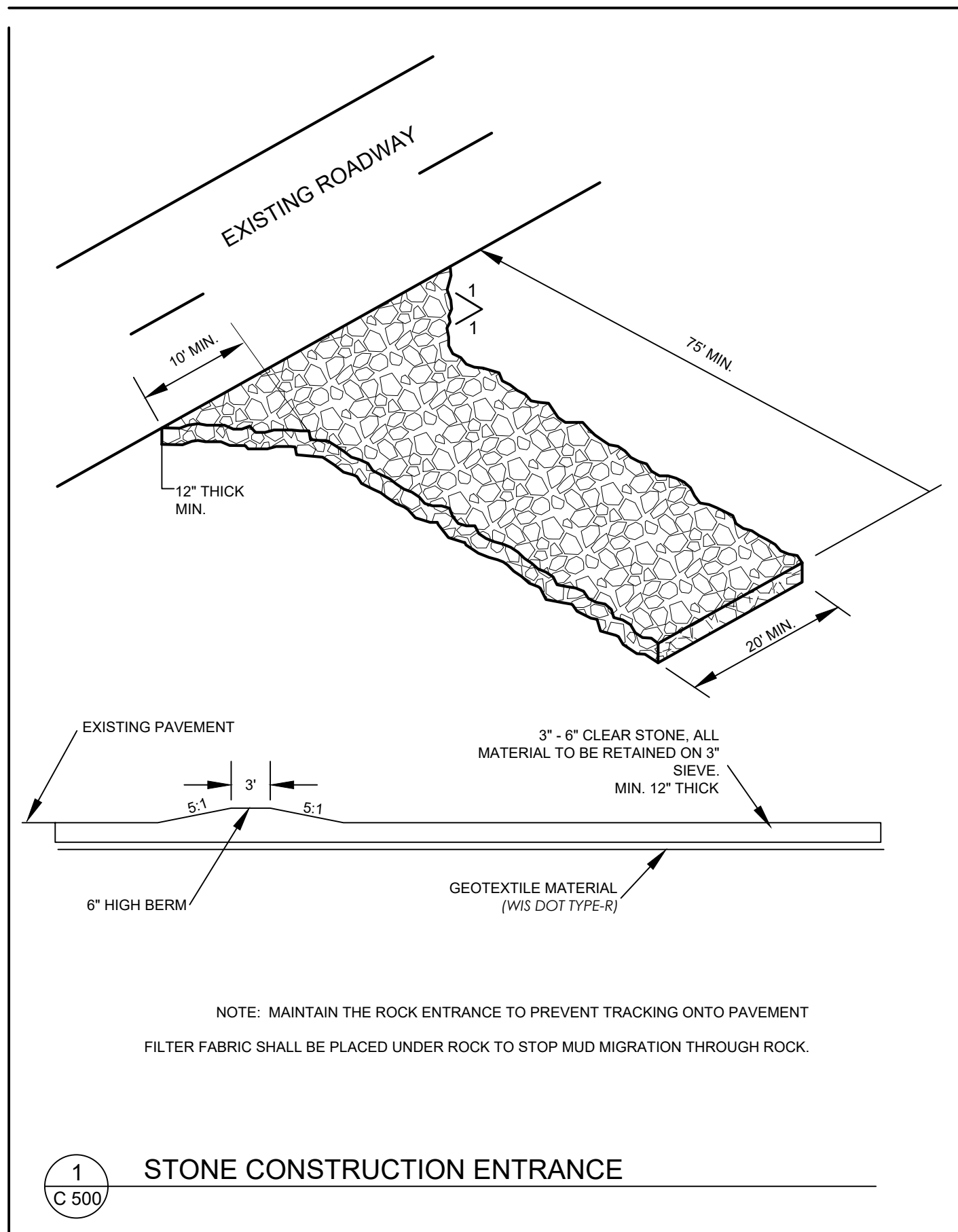


- STORM DRAINAGE NOTES:**
- UNLESS OTHERWISE INDICATED, USE REINFORCED PRECAST CONCRETE MAINTENANCE HOLES AND CATCHBASINS CONFORMING TO ASTM C478. FURNISH WITH 1/2" STIPPLE RUBBER GASKETS AND PRECAST BASES. JOINTS FOR ALL PRECAST MAINTENANCE HOLES SHALL HAVE CONFINED RUBBER 1/2" STRING GASKETS IN ACCORDANCE WITH ASTM C923. THE INSIDE BARREL DIAMETER SHALL NOT BE LESS THAN 48 INCHES.
 - ALL JOINTS AND CONNECTIONS TO CATCHBASINS OR MANHOLES SHALL BE WATER TIGHT. USE RESILIENT RUBBER SEALS, WATERSTOP GASKETS, OR APPROVED EQUAL. CEMENT MORTAR JOINTS ARE NOT ALLOWED.
 - USE HDPE SOLID WALL PIPE WHEN CALLED OUT ON THE PLANS.
 - PVC PIPE: USE SOLID-CORE, SDR-35, ASTM D3034 POLYVINYL CHLORIDE (PVC) PIPE FOR DESIGNATED PVC STORM SEWER SERVICES 4 TO 15 INCHES IN DIAMETER. USE SOLID-CORE, SDR-35, ASTM F199 POLYVINYL CHLORIDE (PVC) PIPE FOR DESIGNATED PVC STORM SEWER SERVICES 18 TO 24 INCHES IN DIAMETER. JOINTS FOR ALL STORM SEWER SHALL HAVE PUSH-ON JOINTS WITH ELASTOMERIC GASKETS. USE OF SOLVENT CEMENT JOINTS IS ALLOWED FOR BUILDING SERVICES. SOLVENT CEMENT JOINTS IN PVC PIPE MUST INCLUDE USE OF A PRIMER WHICH IS OF CONTRASTING COLOR TO THE PIPE AND CEMENT. PIPE WITH SOLVENT CEMENT JOINTS SHALL BE JOINED WITH PVC CEMENT CONFORMING TO ASTM D2564. LAY ALL PVC PIPE ON A CONTINUOUS GRANULAR BED. INSTALLATION MUST COMPLY WITH ASTM D2321.
 - INSTALL DETECTABLE UNDERGROUND MARKING TAPE DIRECTLY ABOVE ALL PVC, POLYETHYLENE, AND OTHER NONCONDUCTIVE UNDERGROUND UTILITIES AT A DEPTH OF 457 MM (18 INCHES) BELOW FINISHED GRADE, UNLESS OTHERWISE INDICATED. BRING THE TAPE TO THE SURFACE AT VARIOUS LOCATIONS IN ORDER TO PROVIDE CONNECTION POINTS FOR LOCATING UNDERGROUND UTILITIES. INSTALL BLUE RHINO TRIVEX FLEX TEST STATIONS, OR APPROVED EQUAL, WITH BLACK CAPS AT EACH SURFACE LOCATION.
 - TRACER WIRE: LOCATING REQUIREMENTS - A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON-METALLIC SEWER MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORD WITH THE PROVISIONS OF THE WISCONSIN STATUTES 182.0175(2R) AND THE WISCONSIN DEPARTMENT OF COMMERCE COMM 82.361 (1)(M).

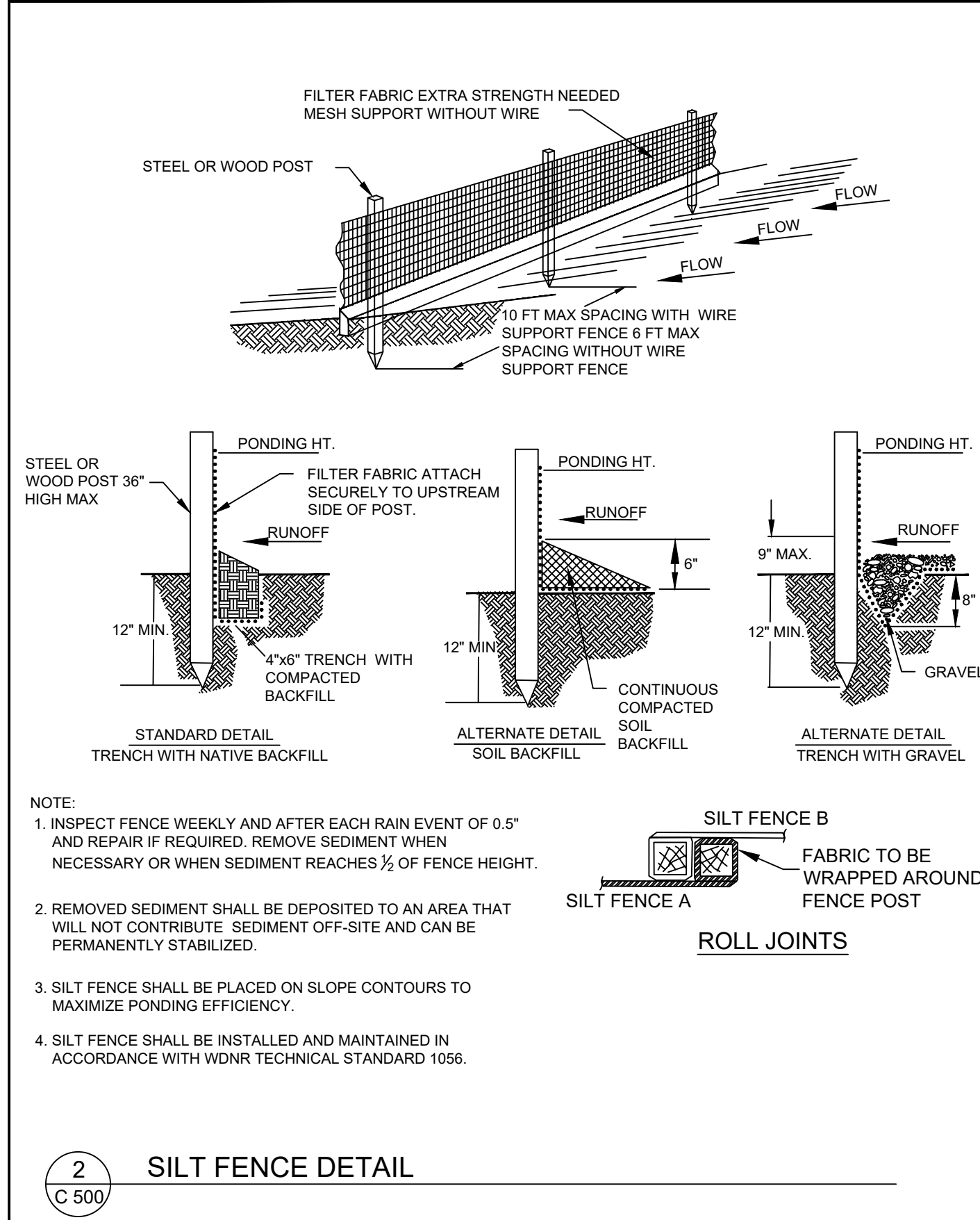
- SANITARY SEWER NOTES:**
- PIPE: USE SOLID-CORE, SDR-35, ASTM D3034 (OR APPROVED EQUAL) POLYVINYL CHLORIDE (PVC) PLASTIC PIPE FOR ALL DESIGNATED PVC SANITARY SEWER SERVICES. JOINTS FOR ALL SANITARY SEWER SHALL HAVE PUSH-ON JOINTS WITH ELASTOMERIC GASKETS. USE OF SOLVENT CEMENT JOINTS IS ALLOWED FOR BUILDING SERVICES. SOLVENT CEMENT JOINTS IN PVC PIPE MUST INCLUDE USE OF A PRIMER WHICH IS OF CONTRASTING COLOR TO THE PIPE AND CEMENT. PIPE WITH SOLVENT CEMENT JOINTS SHALL BE JOINED WITH PVC CEMENT CONFORMING TO ASTM D2564. LAY ALL PVC PIPE ON A CONTINUOUS GRANULAR BED. INSTALLATION MUST COMPLY WITH ASTM D2321.
 - CLEANOUTS: INSTALL CLEANOUTS ON ALL SANITARY SEWER SERVICES. THE DISTANCE BETWEEN CLEANOUTS IN HORIZONTAL PIPING SHALL NOT EXCEED 100 FEET FOR PIPES 4 INCH AND OVER IN SIZE. CLEANOUTS SHALL BE OF THE SAME NOMINAL SIZE AS THE PIPES THEY SERVE. INCLUDE FROST SLEEVES AND CONCRETE FRAME AND PIPE SUPPORT. INSTALL A METER BOX FRAME AND SOLID LID INENHAR R-1914-A, OR APPROVED EQUAL, OVER ALL CLEANOUTS.
 - THE MINIMUM DEPTH OF COVER FOR SANITARY SEWER WITHOUT INSULATION IS 5 FEET. INSULATE SANITARY SEWER SERVICES AT LOCATIONS WHERE THE DEPTH OF COVER IS LESS THAN 5 FEET. PROVIDE A MINIMUM INSULATION THICKNESS OF 2 INCHES. THE INSULATION MUST BE AT LEAST 4 FEET WIDE AND CENTERED ON THE PIPE. INSTALL THE INSULATION BOARDS 6 INCHES ABOVE THE TOPS OF THE PIPES OR MECHANICALLY COMPACTED AND LEVELED PIPE BEDDING MATERIAL. USE HIGH DENSITY, CLOSED CELL, RIGID BOARD MATERIAL EQUIVALENT TO DOW STYROFOAM HD40 PLASTIC FOAM INSULATION.
 - TRACER WIRE: LOCATING REQUIREMENTS - A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON-METALLIC SEWER MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED IN ACCORD WITH THE PROVISIONS OF THE WISCONSIN STATUTES 182.0175(2R) AND THE WISCONSIN DEPARTMENT OF COMMERCE COMM 82.361 (1)(M).



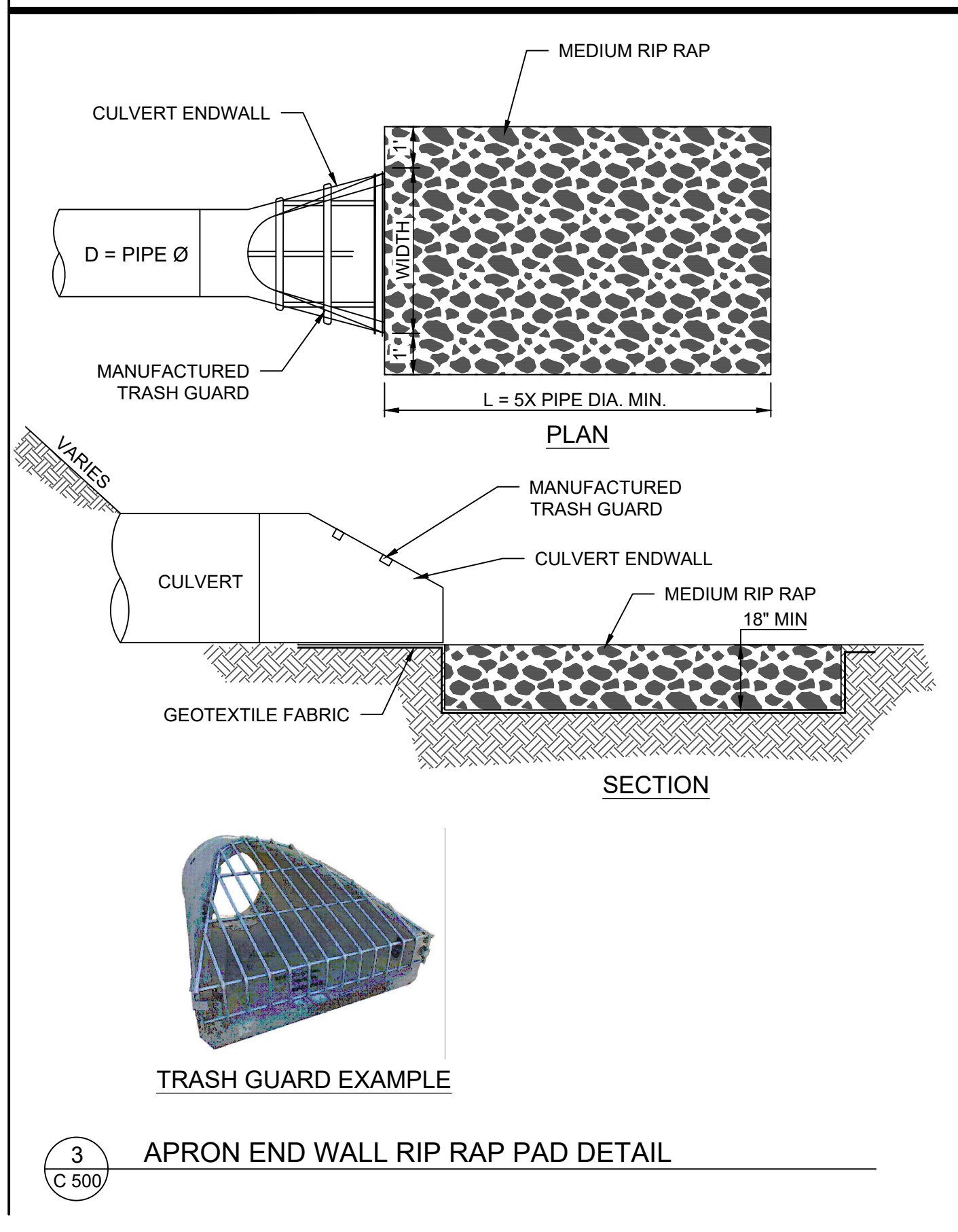
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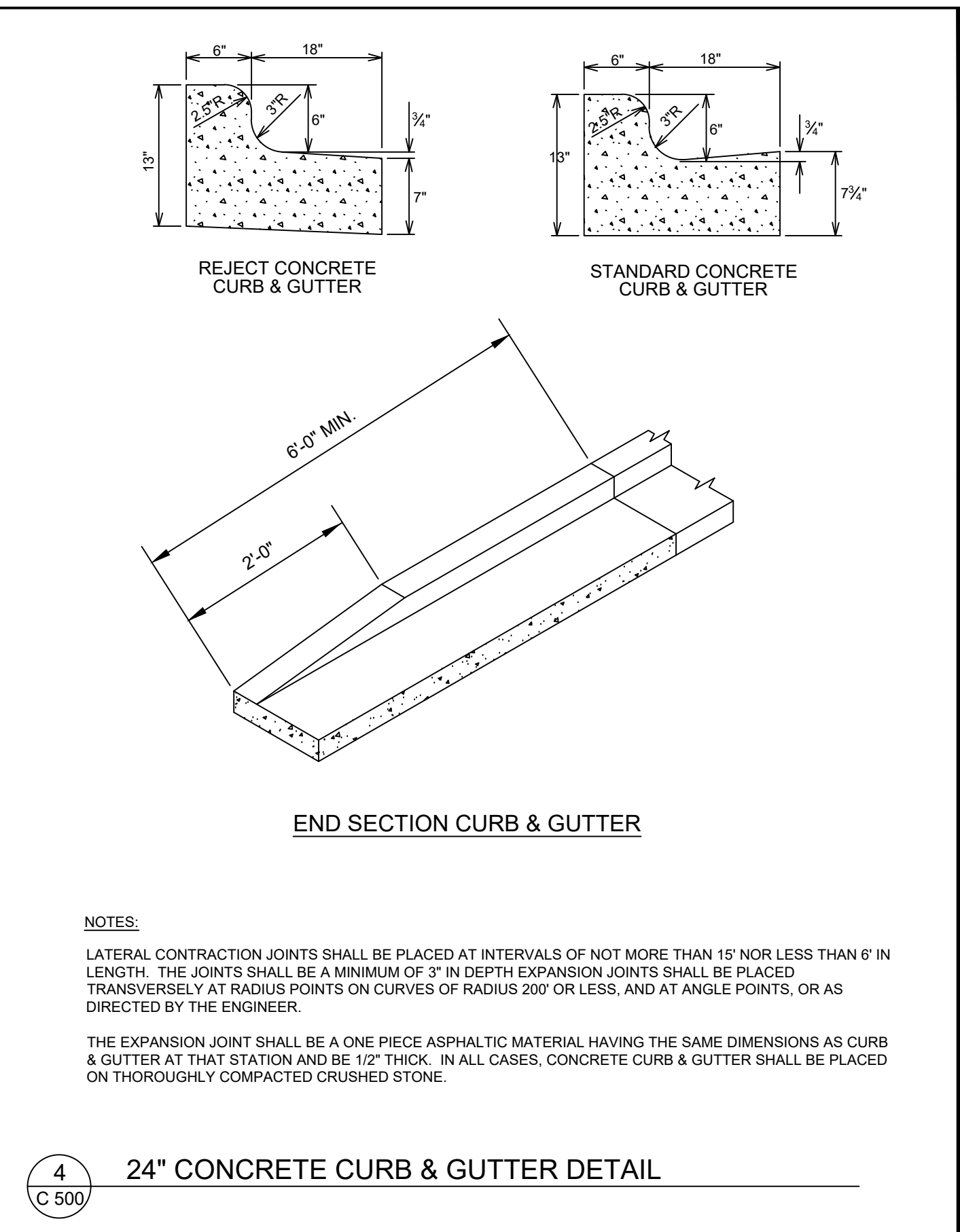
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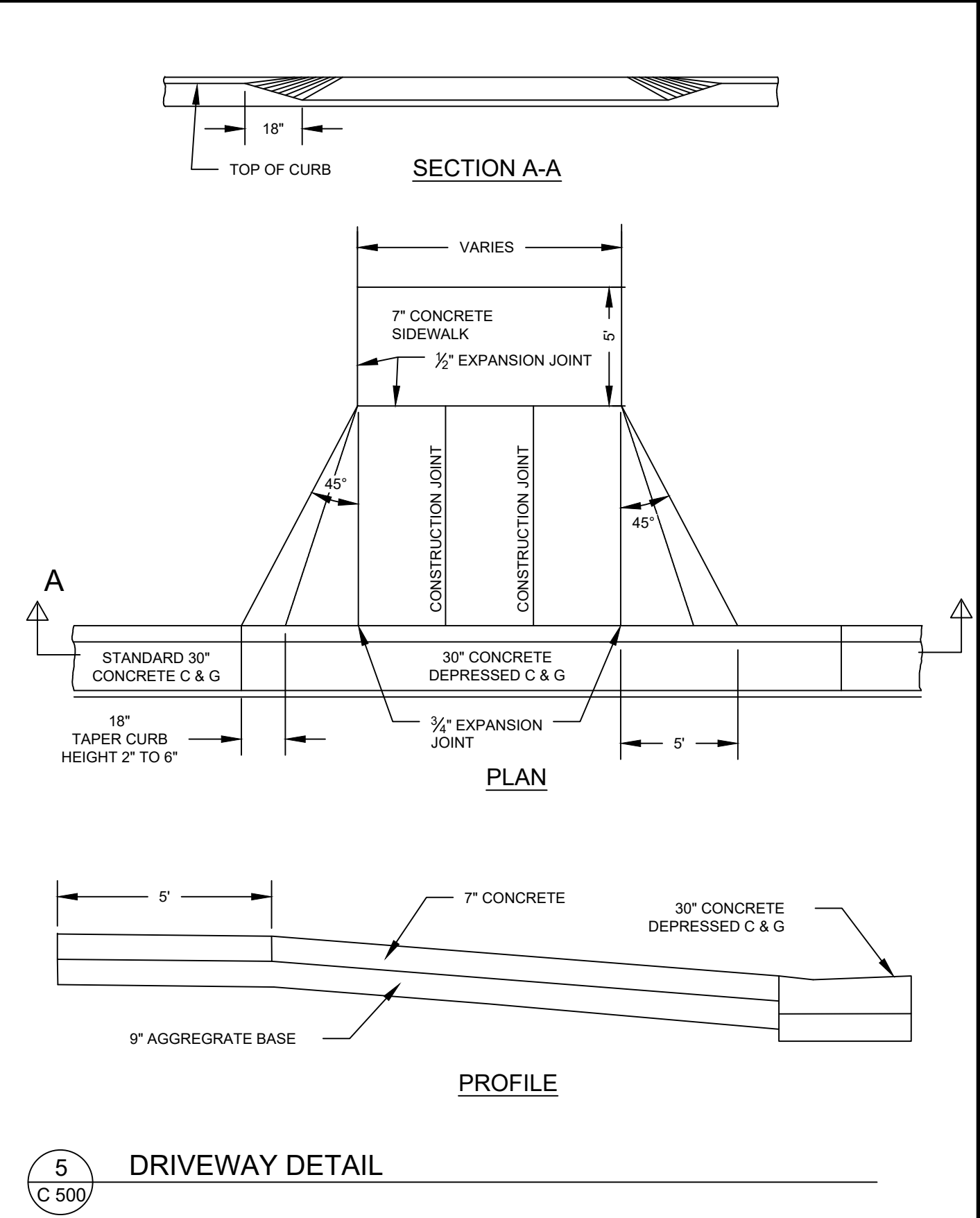
2 C 500 **SILT FENCE DETAIL**



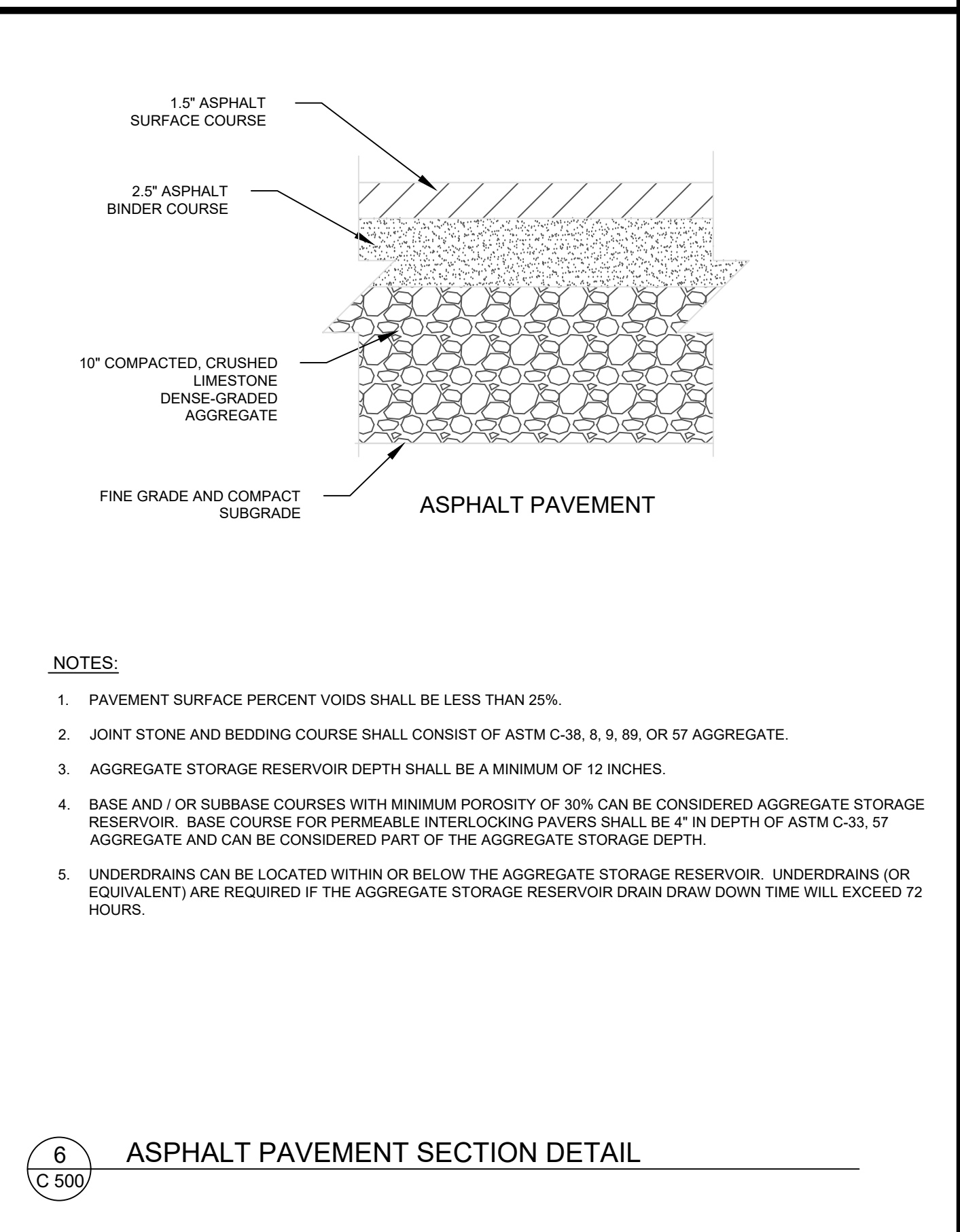
3 C 500 **APRON END WALL RIP RAP PAD DETAIL**



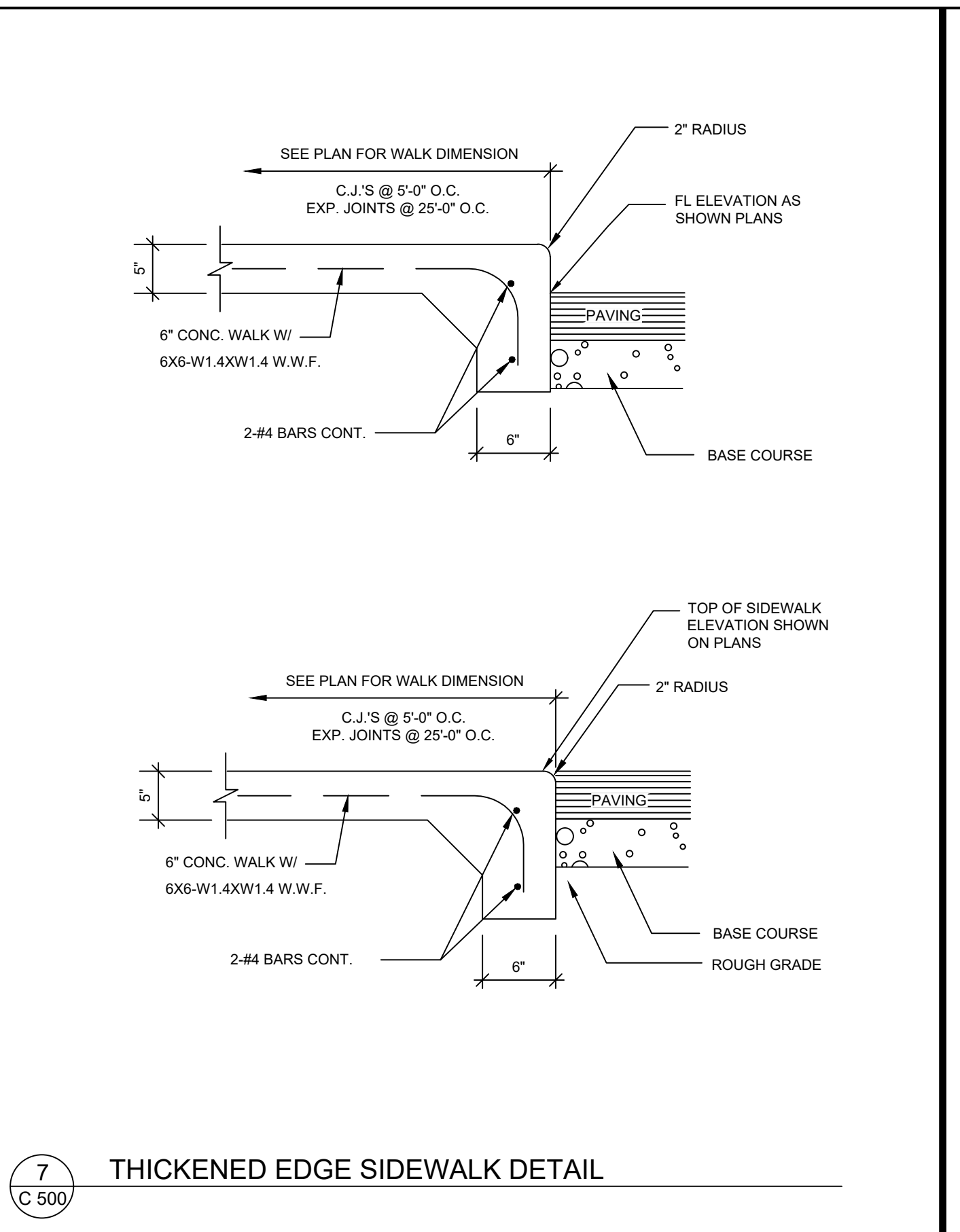
4 C 500 **24\"/>**



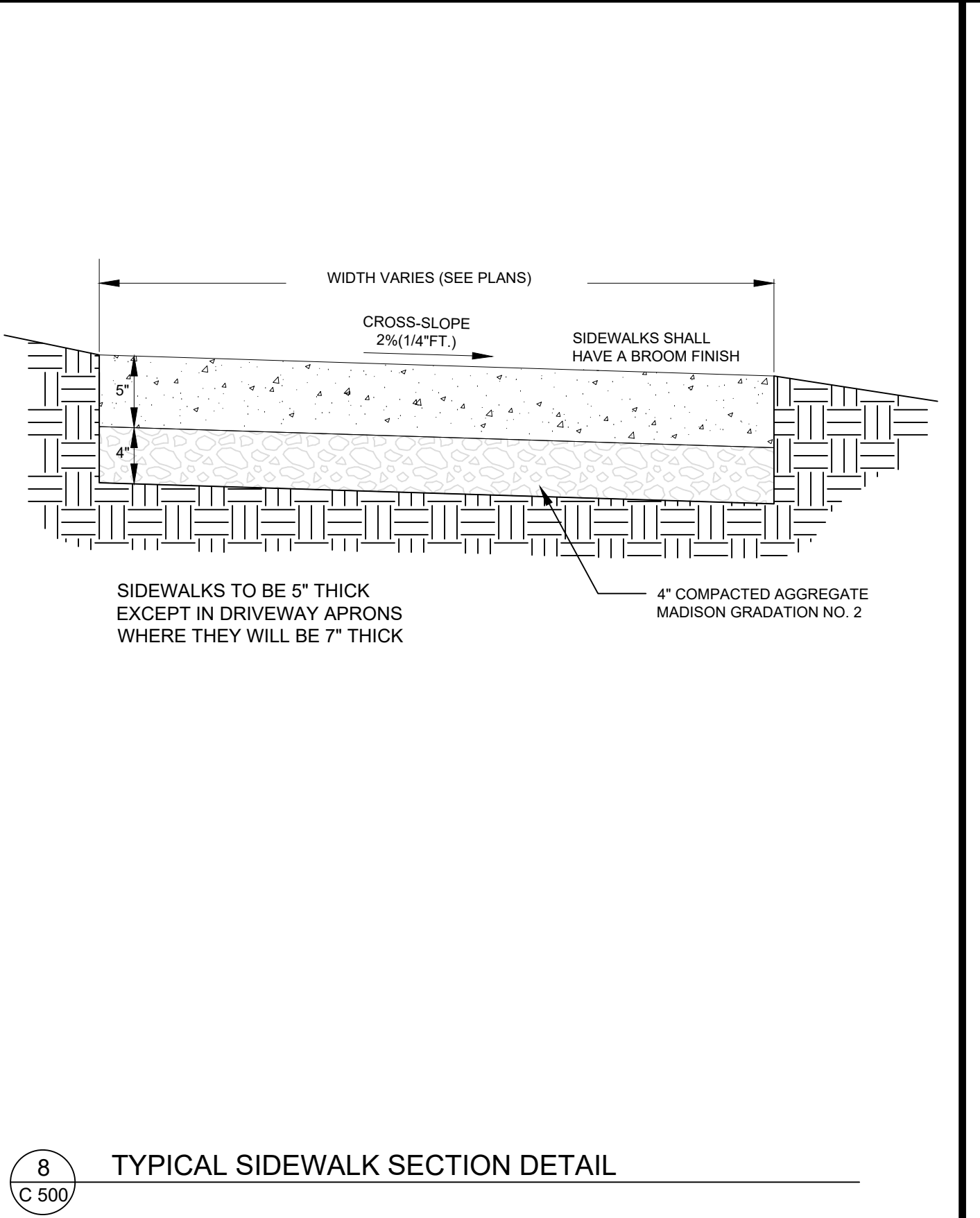
5 C 500 **DRIVEWAY DETAIL**



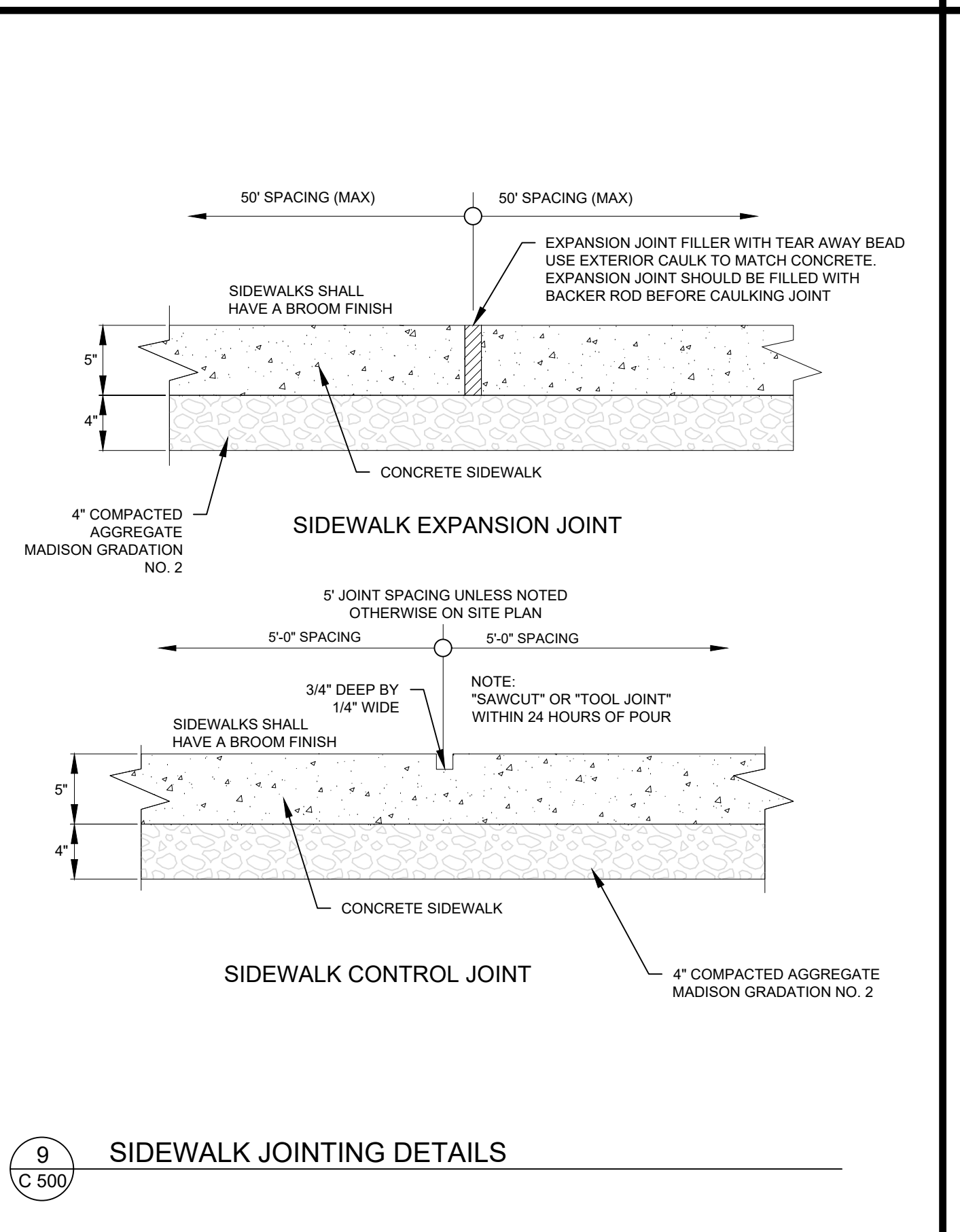
6 C 500 **ASPHALT PAVEMENT SECTION DETAIL**



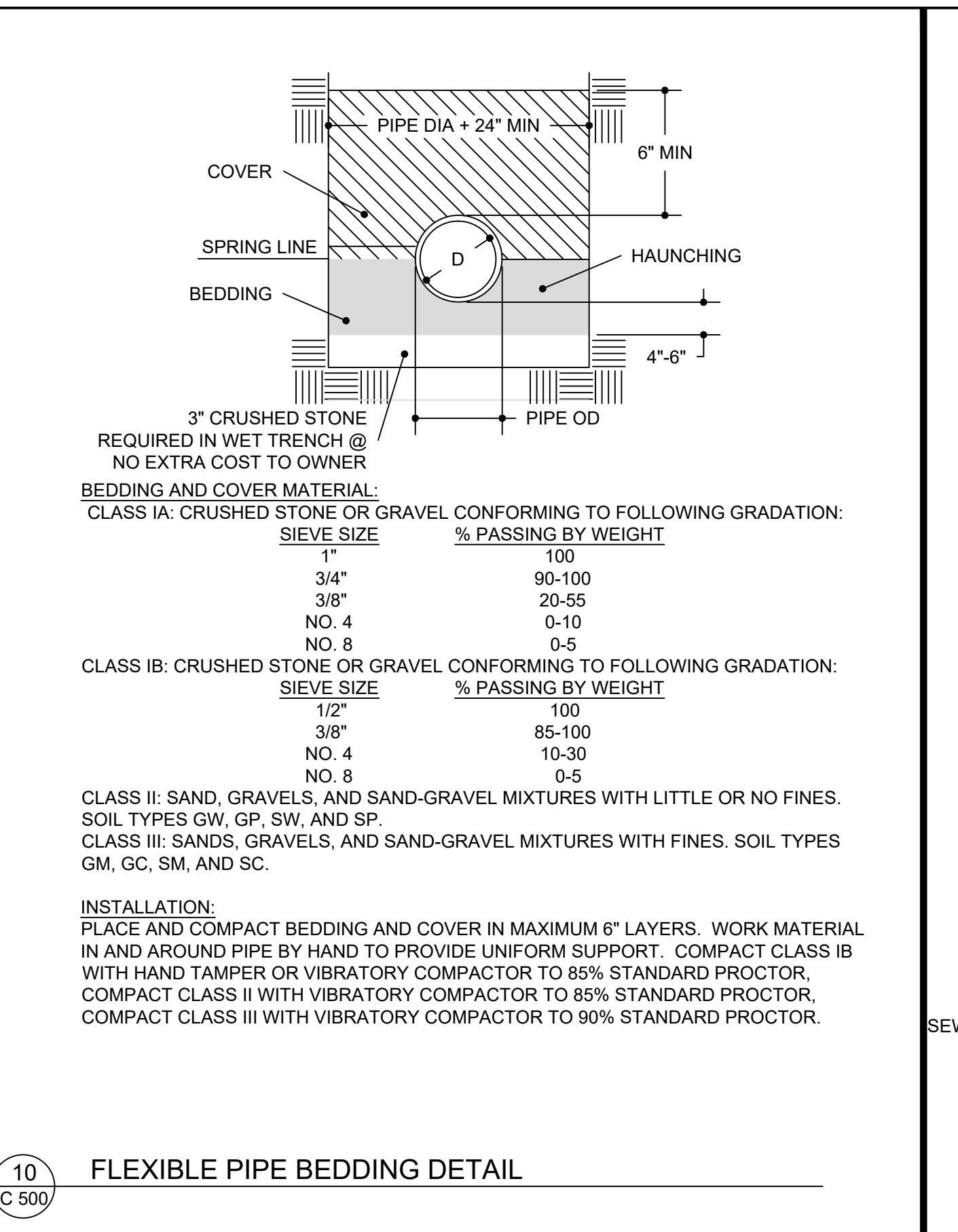
7 C 500 **THICKENED EDGE SIDEWALK DETAIL**



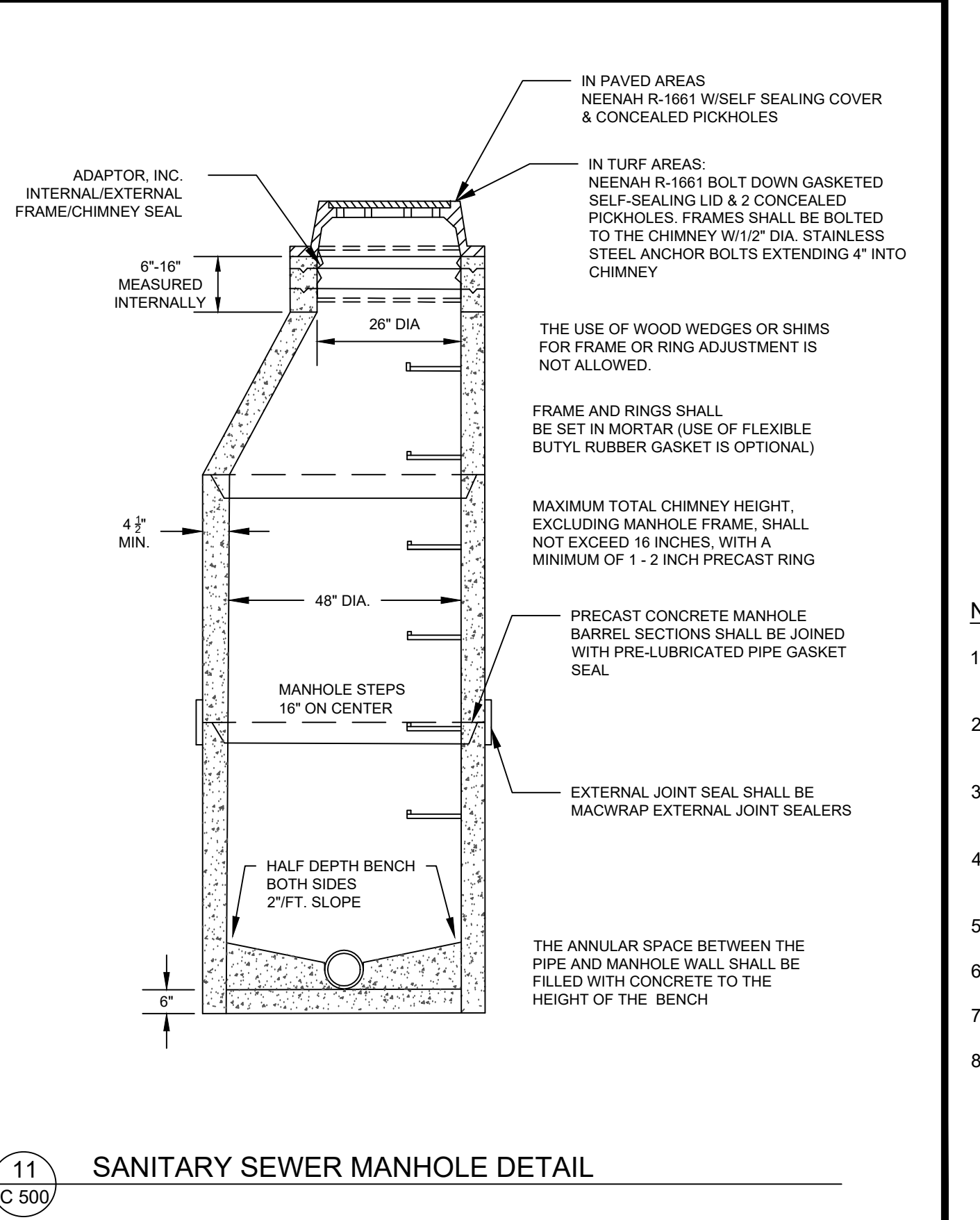
8 C 500 **TYPICAL SIDEWALK SECTION DETAIL**



9 C 500 **SIDEWALK JOINTING DETAILS**



10 C 500 **FLEXIBLE PIPE BEDDING DETAIL**



11 C 500 **SANITARY SEWER MANHOLE DETAIL**

*FLOW RATINGS SHOWN ARE 50% MAXIMUM

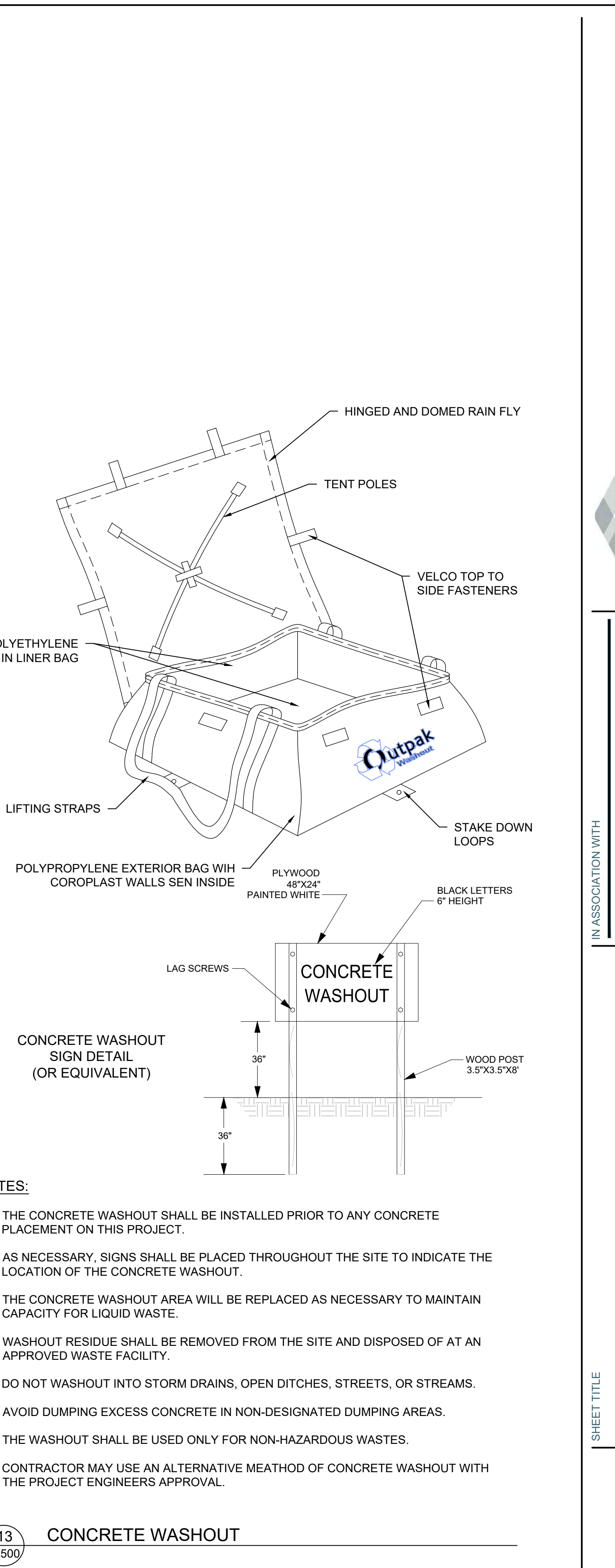
NOTES:

- ALL FRAMING IS CONSTRUCTED OF CORROSION RESISTANT STEEL FRAMING FOR PROLONGED PRODUCT LIFE.
- TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZED DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE. CONCRETE STRUCTURES MAY REQUIRE ADDITIONAL REVIEW.
- UPON ORDERING THE ADS P/N CONFIRMATION OF THE DOT CALLOUT, FLEXSTORM ITEM CODE, CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED.
- FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

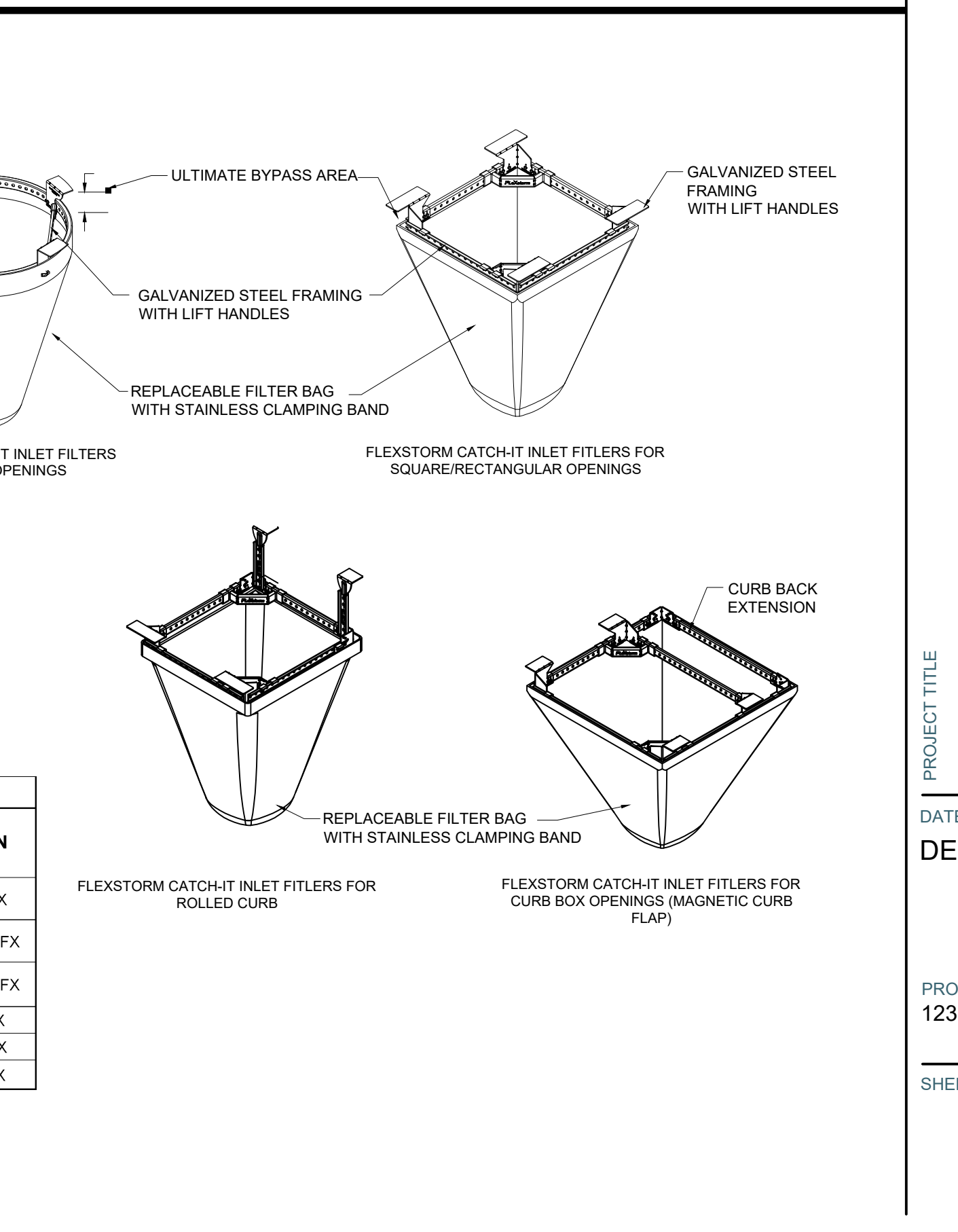
INSTALLATION:

- REMOVE GRATE
- DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
- REPLACE GRATE

Product selection for FLEXSTORM CATCH-IT Filters (Temporary Inlet Protection)							
Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (R ²)	Flow Ratings (CFS)		ADS P/N
					FX	Bypass	
1040/1642/1733	Round	26	24	1.9	1.5	5.4	62MRDFX
3067 w/FLAP	Curb Box	35.25 x 17.75	33.0 x 15.0	3.8	1.9	5.6	62LCBEXTFX
3067 EXTENDED BACK	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.3	5.8	62LCBEXTFX
3246A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	2.2	3.3	62LCBFX
3030	Square/Rect (SQ)	23 x 16	20.5 x 13.5	1.6	1.4	2.2	62MBCFX
3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	2.0	5.2	62LSQFX



13 C 500 **CONCRETE WASHOUT**



12 C 500 **INLET PROTECTION**

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AN ASSOCIATION WITH

SNYDER & ASSOCIATES

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MADISON, WI 53718
(608) 838-0444
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SUN PRAIRIE, WISCONSIN

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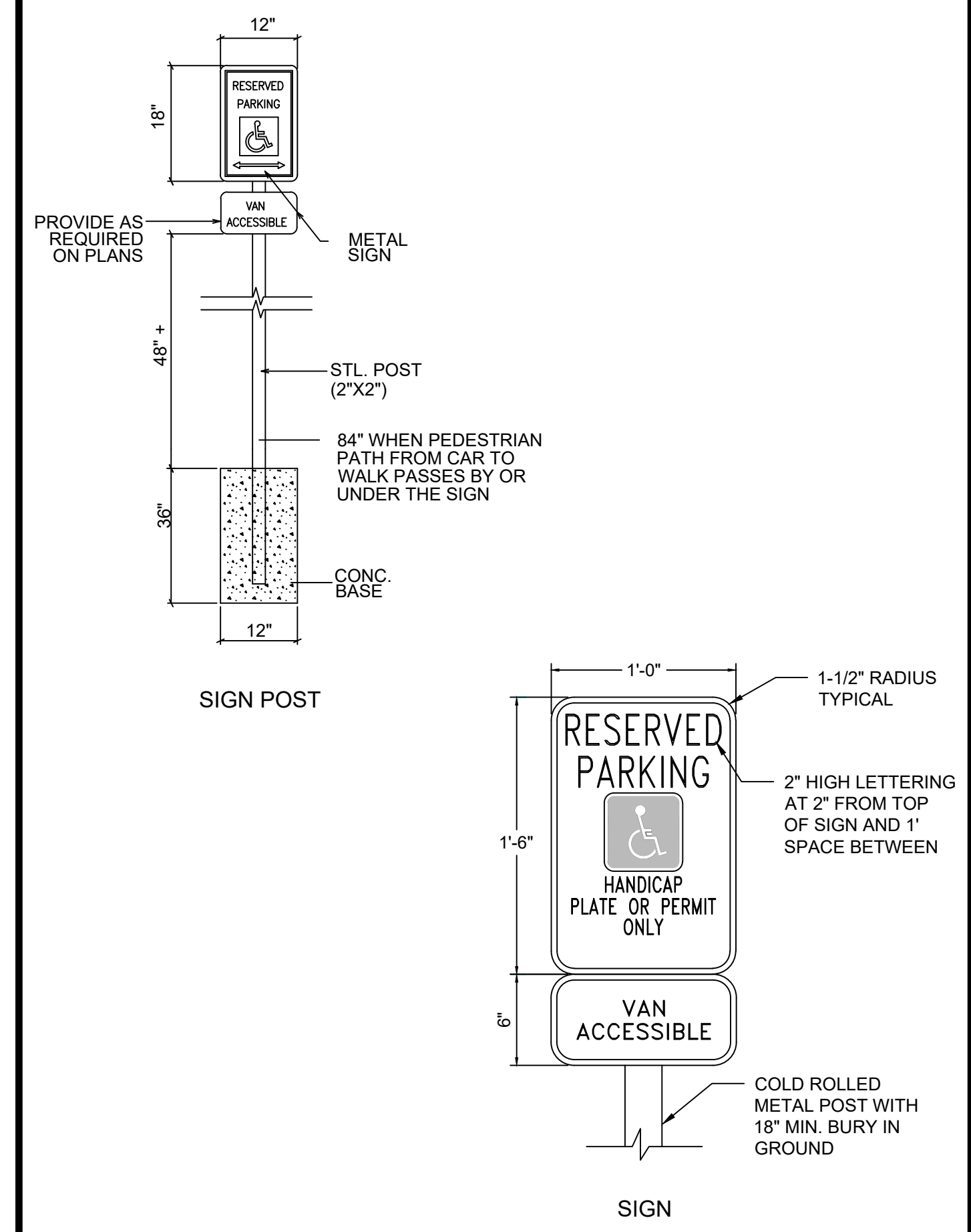
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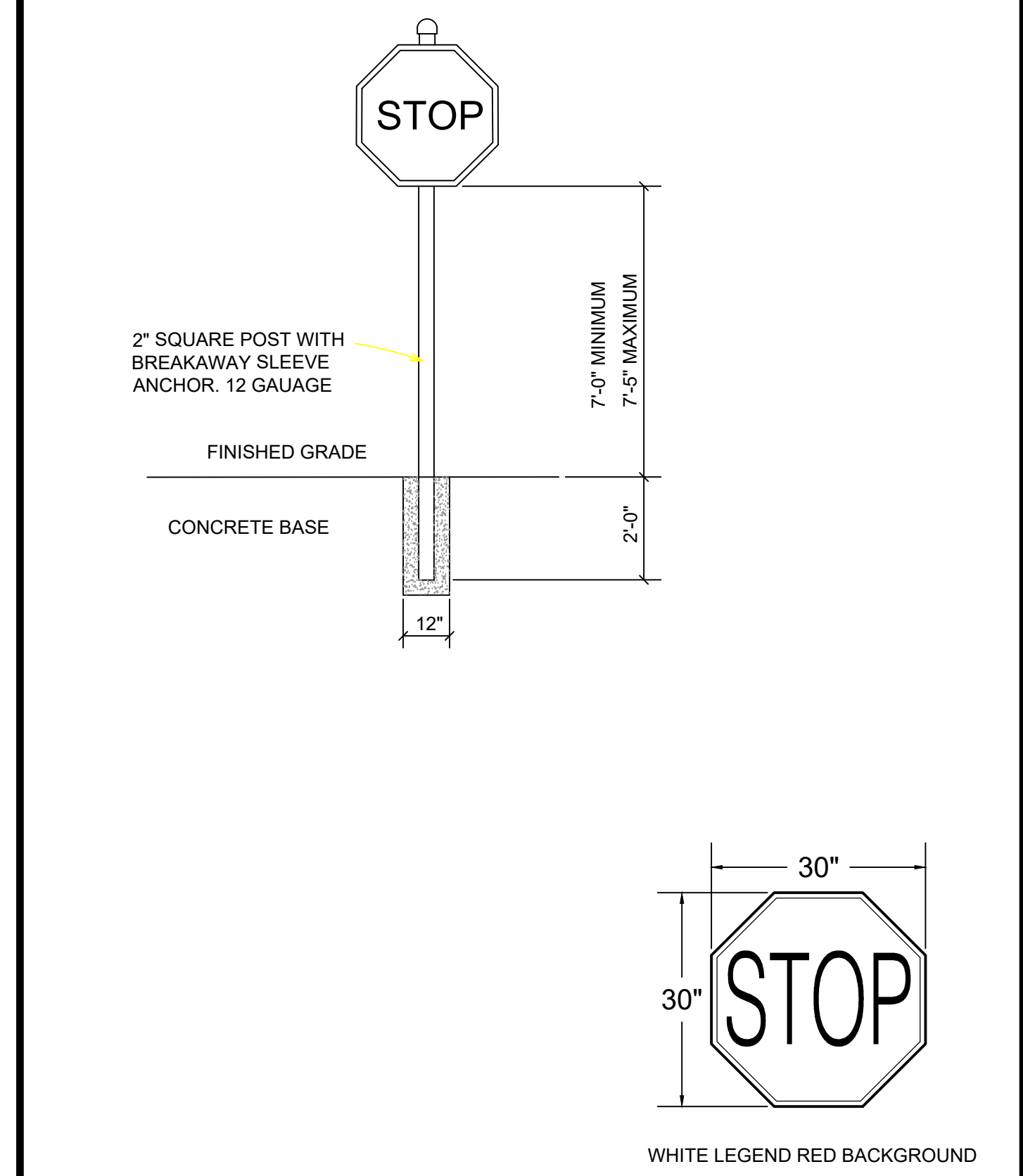
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C 501

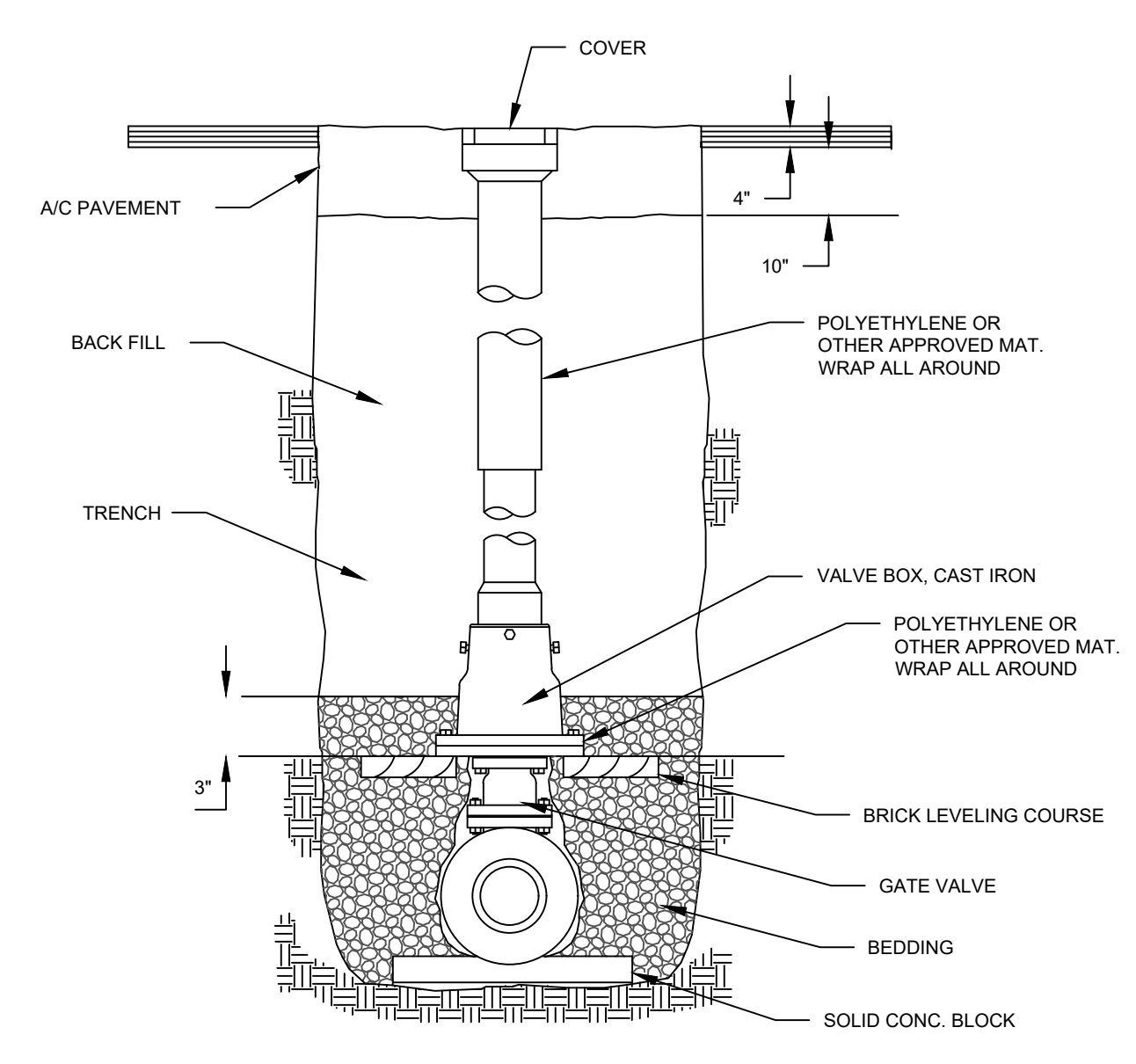
2 NOT USED
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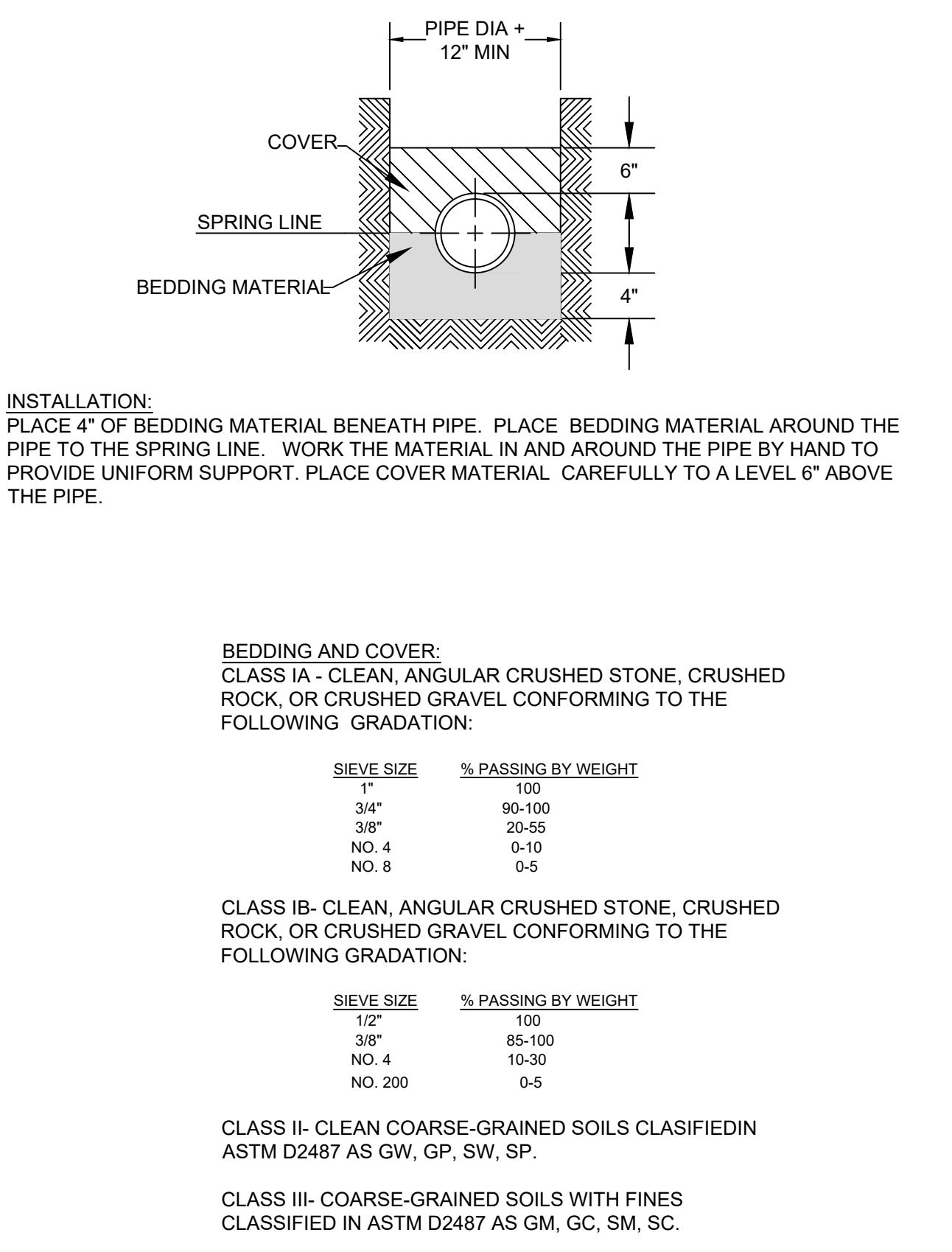
3 BARRIER FREE PARKING SIGN DETAIL
C 501



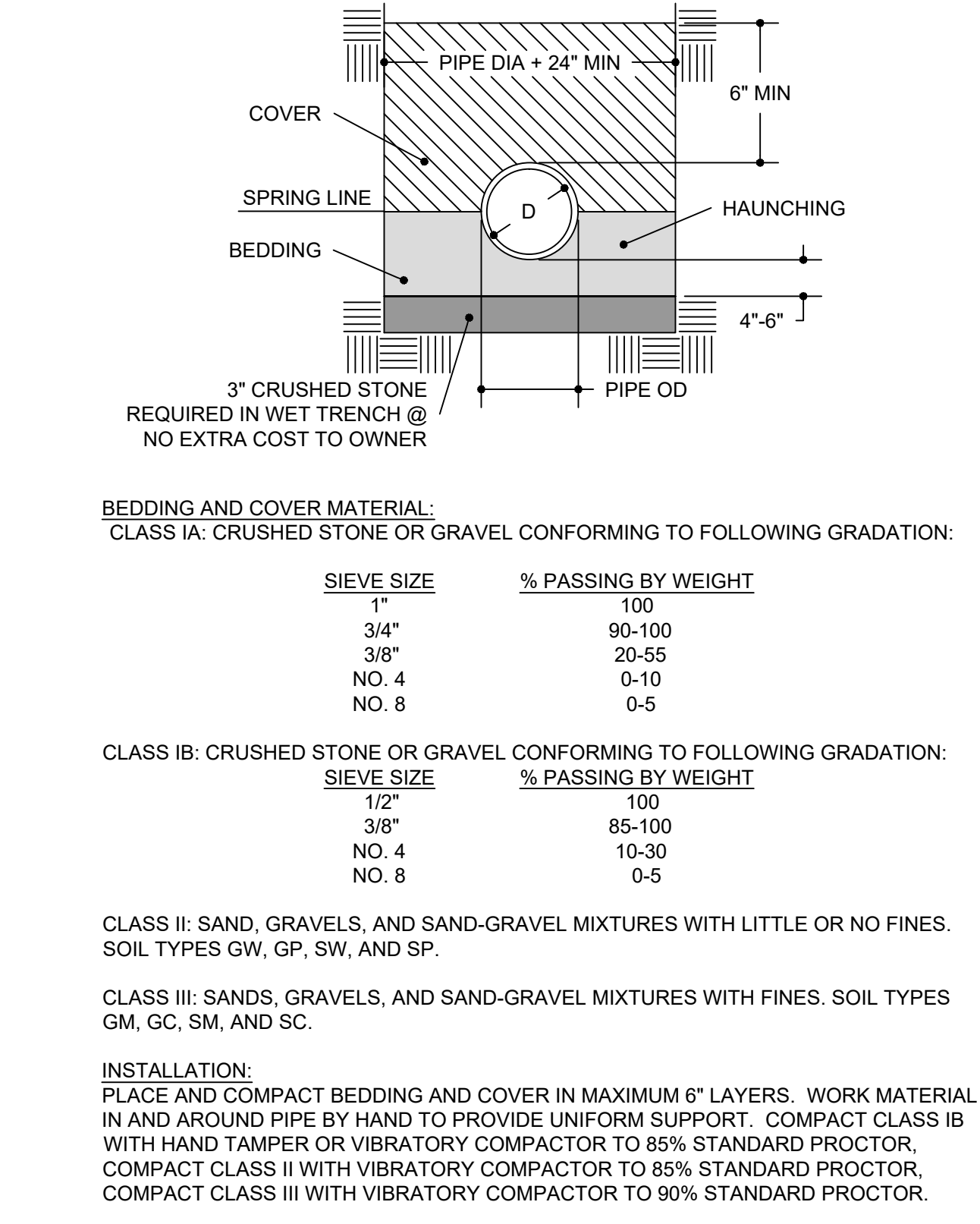
4 STOP SIGN DETAIL
C 501



5 WATER VALVE DETAIL
C 501



6 RIGID PIPE BEDDING DETAIL
C 501



7 FLEXIBLE PIPE BEDDING DETAIL
C 501



8 NEW TITLE
C 501

9 NEW TITLE
C 501

10 NEW TITLE
C 501

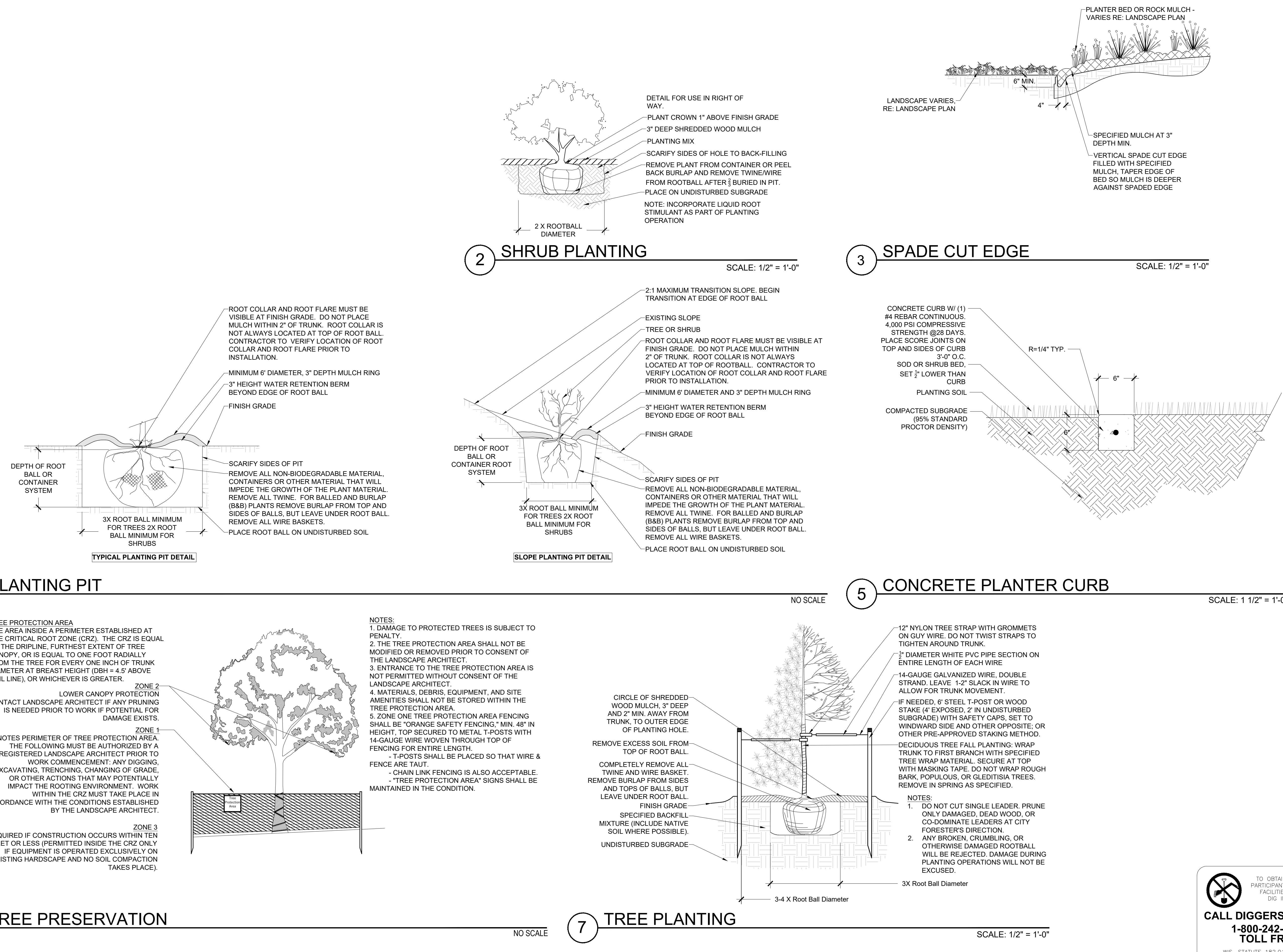
GENERAL LANDSCAPE NOTES

- UTILITY WARNING: THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.
- NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLANS AS CLOSELY AS POSSIBLE. ANY SUBSTITUTION OR ALTERATION SHALL NOT BE ALLOWED WITHOUT APPROVAL OF THE OWNER'S REPRESENTATIVE. OVERALL PLANT QUANTITY AND QUALITY SHALL BE CONSISTENT WITH THE PLANS.
- ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION).
- MULCH SHALL NOT BE PLACED AROUND THE COLLAR OF SHRUB OR TREE. PROVIDE A MINIMUM OF 2" BETWEEN MULCH AND COLLAR OF SHRUB OR TREE.
- ALL PLANT MATERIAL SHALL BE GROWN IN ZONE CAPABLE OF WITHSTANDING LOCAL CLIMATE AND GROWING CONDITIONS.
- TREE OR SHRUB SHALL STAND PLUMB. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACK FILLING.
- LIVE PLANTS CAN BE PLANTED IN THE FIELD DURING THE GROWING SEASON FROM MAY 1 THROUGH OCTOBER 1. ANY SUGGESTED PLANTING TIMES NOT IN THIS WINDOW SHALL BE APPROVED BY LANDSCAPE ARCHITECT. IF PLANTING OCCURS OUTSIDE OF THIS WINDOW, ADDITIONAL MEASURES MAY NEED TO BE TAKEN (I.E. MULCH) TO ENSURE PLANT SURVIVAL. IN THESE INSTANCES, THE CONTRACT PRICE MAY NEED TO BE ADJUSTED ACCORDINGLY.
- PLANTS SHOULD BE WATERED IN AFTER INSTALLATION TO ENSURE THEIR SURVIVAL. THIS TYPICALLY INVOLVES WATERING AT TIME OF INSTALLATION AND 2 TIMES WEEKLY FOR A ONE MONTH PERIOD OR UNTIL GROUND FREEZE UP IF NATURAL RAINFALLS ARE INSUFFICIENT. A SINGLE WATERING EVENT INVOLVES WATERING THE SOIL IN THE PLANTED AREAS TO THE POINT OF SATURATION BUT STOPPING SHORT OF SOIL DISPLACEMENT. SHOULD VERY DRY CONDITIONS DEVELOP WITHIN ONE YEAR OF PLANTING, ADDITIONAL WATERINGS MAY BE NECESSARY. CONSULTANT OR LANDSCAPE ARCHITECT WILL DETERMINE THIS AND CONTRACT PRICES MAY BE ADJUSTED TO ACCOMMODATE THIS ACTION.
- ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY, HEALTHY, FREE OF DISEASE AND INSECTS AND SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS. PLANTS SHALL ALSO BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT VIGOROUS GROWTH.
- ALL PROPOSED PLANTS SHALL BE LOCATED AS SHOWN ON PLANS. ALL TREES TO BE PLANTED A MINIMUM DISTANCE OF 5 FEET FROM PAVEMENTS AND 6 FEET FROM ALL HYDRANTS.
- CONTRACTOR IS RESPONSIBLE FOR PLANTS WAITING INSTALLATION AND SHALL PROTECT THEM FROM INJURY AND THEFT.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES. GRAPHIC QUANTITIES TAKES PRECEDENCE OVER WRITTEN QUANTITIES.
- THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO INSPECT AND TAG ALL PLANT MATERIAL PRIOR TO SHIPPING TO THE SITE. IN ALL CASES, THE OWNER'S REPRESENTATIVE MAY REJECT PLANT MATERIAL AT THE SITE IF MATERIAL IS DAMAGED, DISEASED, OR DECLINING IN HEALTH AT THE TIME OF ON-SITE INSPECTIONS OR IF THE PLANT MATERIAL DOES NOT MEET THE MINIMUM SPECIFIED STANDARD IDENTIFIED ON THE PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR INSPECTION AND APPROVAL OF ALL MATERIALS AND PRODUCTS PRIOR TO INSTALLATION.
- THE OWNER'S REPRESENTATIVE MAY ELECT TO UPSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT. THE CONTRACTOR SHALL VERIFY PLANT MATERIAL SIZES WITH OWNER'S REPRESENTATIVE PRIOR TO PURCHASING, SHIPPING OR STOCKING OF PLANT MATERIALS. SUBMIT CHANGE ORDER REQUEST TO OWNER'S REPRESENTATIVE FOR APPROVAL IF ADDITIONAL COST IS REQUESTED BY THE CONTRACTOR PRIOR TO INSTALLATION. RE-STOCKING CHARGES WILL NOT BE APPROVED IF THE CONTRACTOR FAILS TO SUBMIT A REQUEST FOR MATERIAL CHANGES.
- THE CONTRACTOR SHALL WARRANT ALL CONTRACTED WORK AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER SUBSTANTIAL COMPLETION HAS BEEN ISSUED BY THE OWNER'S REPRESENTATIVE FOR THE ENTIRE PROJECT UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.
- LANDSCAPE MATERIAL LOCATIONS SHALL HAVE PRECEDENCE OVER IRRIGATION MAINLINE AND LATERAL LOCATIONS. IF IRRIGATION IS INCLUDED, COORDINATE INSTALLATION OF IRRIGATION EQUIPMENT SO THAT IT DOES NOT INTERFERE WITH THE PLANTING OF TREES OR OTHER LANDSCAPE MATERIAL.
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS. SURFACE DRAINAGE ON LANDSCAPE AREAS SHALL NOT FLOW TOWARD STRUCTURES AND FOUNDATIONS. MAINTAIN SLOPE AWAY FROM FOUNDATIONS PER THE GEOTECHNICAL REPORT RECOMMENDATIONS. ALL LANDSCAPE AREAS BETWEEN WALKS AND CURBS SHALL DRAIN FREELY TO THE CURB UNLESS OTHERWISE IDENTIFIED ON THE GRADING PLAN. IN NO CASE SHALL THE GRADE, TURF THATCH, OR OTHER LANDSCAPE MATERIALS DAM WATER AGAINST WALKS. MINIMUM SLOPES ON LANDSCAPE AREAS SHALL BE 2% MAXIMUM SLOPE SHALL BE 25% UNLESS SPECIFICALLY IDENTIFIED ON THE PLANS OR APPROVED BY THE OWNER'S REPRESENTATIVE.
- PRIOR TO INSTALLATION OF PLANT MATERIALS, AREAS THAT HAVE BEEN COMPACTED OR DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE THOROUGHLY LOOSENEED TO A DEPTH OF 8" - 12".
- ALL LANDSCAPED AREAS ARE TO RECEIVE ORGANIC SOIL PREPARATION PER RATE IDENTIFIED BY A SOIL TEST.
- TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT OWNER'S REPRESENTATIVE FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS PRIOR TO INSTALLATION.
- THE CENTER OF EVERGREEN TREES SHALL NOT BE PLACED CLOSER THAN 8' AND THE CENTER OF ORNAMENTAL TREES CLOSER THAN 6' FROM A SIDEWALK, STREET OR DRIVE LANE. EVERGREEN TREES SHALL NOT BE LOCATED ANY CLOSER THAN 15' FROM IRRIGATION ROOT HEADS. NOTIFY OWNER'S REPRESENTATIVE IF TREE LOCATIONS CONFLICT WITH THESE STANDARDS FOR FURTHER DIRECTION.
- ALL EVERGREEN TREES SHALL BE FULLY BRANCHED TO THE GROUND AND SHALL NOT EXHIBIT SIGNS OF ACCELERATED GROWTH AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
- ALL TREES ARE TO BE STAKED AND GUYED PER DETAILS FOR A PERIOD OF 1 YEAR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING STAKES AT THE END OF 1 YEAR FROM ACCEPTANCE OF LANDSCAPE INSTALLATION BY THE OWNER'S REPRESENTATIVE. OBTAIN APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.
- ALL TREES INSTALLED ABOVE RETAINING WALLS UTILIZING GEO-GRID MUST BE HAND DUG TO PROTECT GEO-GRID. IF GEO-GRID MUST BE CUT TO INSTALL TREES, APPROVAL MUST BE GIVEN BY OWNER'S REPRESENTATIVE PRIOR TO DOING WORK.
- ALL TREES IN SEED OR TURF AREAS SHALL RECEIVE MULCH RINGS. OBTAIN APPROVAL FROM OWNER'S REPRESENTATIVE FOR ANY TREES THAT WILL NOT BE MULCHED FOR EXCESSIVE MOISTURE REASONS.
- EXISTING TURF AREAS THAT ARE DISTURBED DURING CONSTRUCTION, ESTABLISHMENT AND THE MAINTENANCE PERIOD SHALL BE RESTORED WITH NEW SOD TO MATCH EXISTING TURF SPECIES. DISTURBED NATIVE AREAS WHICH ARE TO REMAIN SHALL BE OVER SEEDED AND RESTORED WITH SPECIFIED SEED MIX.
- WHEN COMPLETE, ALL GRADES SHALL BE WITHIN +/- 1/8" OF FINISHED GRADES AS SHOWN ON THE PLANS.
- WHEN PLANTER POTS ARE SHOWN ON PLANS, CONTRACTOR SHALL INCLUDE THE FOLLOWING: PLANTER MIX, ANNUAL FLOWER PLANTING PROGRAM (INCLUDES 2 PLANTINGS FOR THE 1ST YEAR (SPRING AND FALL) AND WINTER HAND-WATERING AS NEEDED. UNLESS OTHERWISE SPECIFIED, CONTRACTOR TO PROVIDE ANNUAL PLANTING SELECTION FOR REVIEW BY OWNER. IRRIGATION FOR PLANTERS TO BE ON SEPARATE ZONE(S), CONTRACTOR TO COORDINATE PLACEMENT OF NECESSARY SLEEVING PRIOR TO PLACEMENT OF PAVEMENT.
- PRIOR TO THE PLACEMENT OF MULCH AND WEED FABRIC, A GRANULAR, PRE-EMERGENT, WEED CONTROL AGENT SHALL BE ADDED TO ALL PLANTING BEDS IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION, EXCEPT AROUND ORNAMENTAL GRASSES.
- THE CONTRACTOR IS EXPECTED TO KNOW AND UNDERSTAND THE CITY AND COUNTY SPECIFICATIONS FOR LANDSCAPE AND IRRIGATION. IN CASES OF DISCREPANCIES THE HIGHER OF THE TWO STANDARDS SHALL HAVE PRECEDENCE.
- ALL TREES PLANTED WITHIN RIGHT-OF-WAY WILL INCLUDE CITY APPROVED ROOT BARRIERS.
- OWNER RETAINS WOOD GENERATED FROM ANY OAK TREE REMOVAL. REMOVE OAK TREES SO TRUNK AND DESIRABLE LIMBS CAN BE SALVAGED FOR COMMERCIALLY VIABLE PRODUCTS OTHER THAN FIRE WOOD OR WOOD CHIPS.

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IN ASSOCIATION WITH

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LANDSCAPE NOTES & DETAILS

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WIS. STATUTE 182.0175 (1974)
 REQUIRES MIN. OF 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE

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MATERIAL & AMENITY SCHEDULE

DESCRIPTION	MANUFACTURER/ SUPPLIER	CONTACT	PRODUCT NAME	COLOR / FINISH	SIZE:	NOTES:
PLANTER POT	KORNEGAY DESIGN	800.430.6209	LARKSPUR - LS-24	NATURAL GRAY	DIA. = 36" HEIGHT = 24"	PLANTS AND IRRIGATION BY OWNER
STONE BENCH	MADISON BLOCK AND STONE	608.249.5633	INDIANA LIMESTONE	SAW CUT STONE AT TOP & BOTTOM - SANDBLAST FINISH TOP & BOTTOM SNAPPED EDGE AT ALL OTHER SIDES	LENGTH = 6'-0" DEPTH = 2'-0" HEIGHT = 1'-6"	
METAL GATE	AMERIFENCE	608.509.5857	ORNAMENTAL GATE WITH FLAT TOP	BLACK / POWDERCOATED	HEIGHT = 3'-0"	
METAL FENCE	AMERIFENCE	608.509.5857	ORNAMENTAL FENCING WITH FLAT TOP	BLACK / POWDERCOATED	HEIGHT = 3'-0"	
BOULDERS	MADISON BLOCK AND STONE	608.249.5633	LOCAL FIELDSTONE	VARIES	2.0' DIA. TO 4.0' DIA.	STABILIZED
BOLLARD	LANDSCAPE FORMS	269.381.0396	HAWTHORNE PATH LIGHT	MBK (MATTE BLACK) / POWDERCOATED METAL	DIAMETER = 8" HEIGHT = 3'-1"	ANCHORING: OPTION B - 4" X 14" CORE
REMOVABLE BOLLARD	LANDSCAPE FORMS	269.381.0396	NORTHPORT BOLLARD	MBK (MATTE BLACK) / POWDERCOATED METAL	DIAMETER = 8.5" HEIGHT = 3'-0.5"	REMOVABLE
BIKE RACKS	MADRAX	1.800.448.7931	U BIKE RACK	BLACK / POWDERCOATED	TUBE SIZE: 1-7/8"	SURFACE MOUNT
GARBAGE AND RECYCLING RECEPTACLES	LANDSCAPE FORMS	800.430.6209	POE LITTER	GLOSS BLACK POWDERCOATED	29" X 44" X 34 GAL. SIDE OPENING 29" X 44" X 34 GAL. 5" OPENING (RECYCLING CONTAINER)	

REFERENCE IMAGES*



PLANTER POT



FENCE / GATE



BOLLARD



REMOVABLE BOLLARD



BIKE RACK

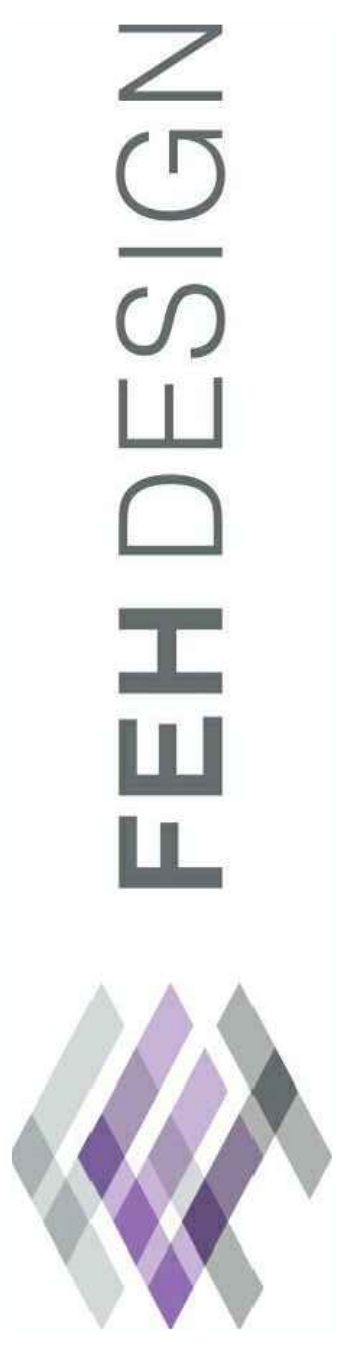


GARBAGE AND RECYCLING



SAWN LIMESTONE BENCH

*IMAGES FOR REFERENCE ONLY - SEE MATERIAL AND AMENITY SCHEDULE FOR FINAL COLORS, SIZE, ETC.



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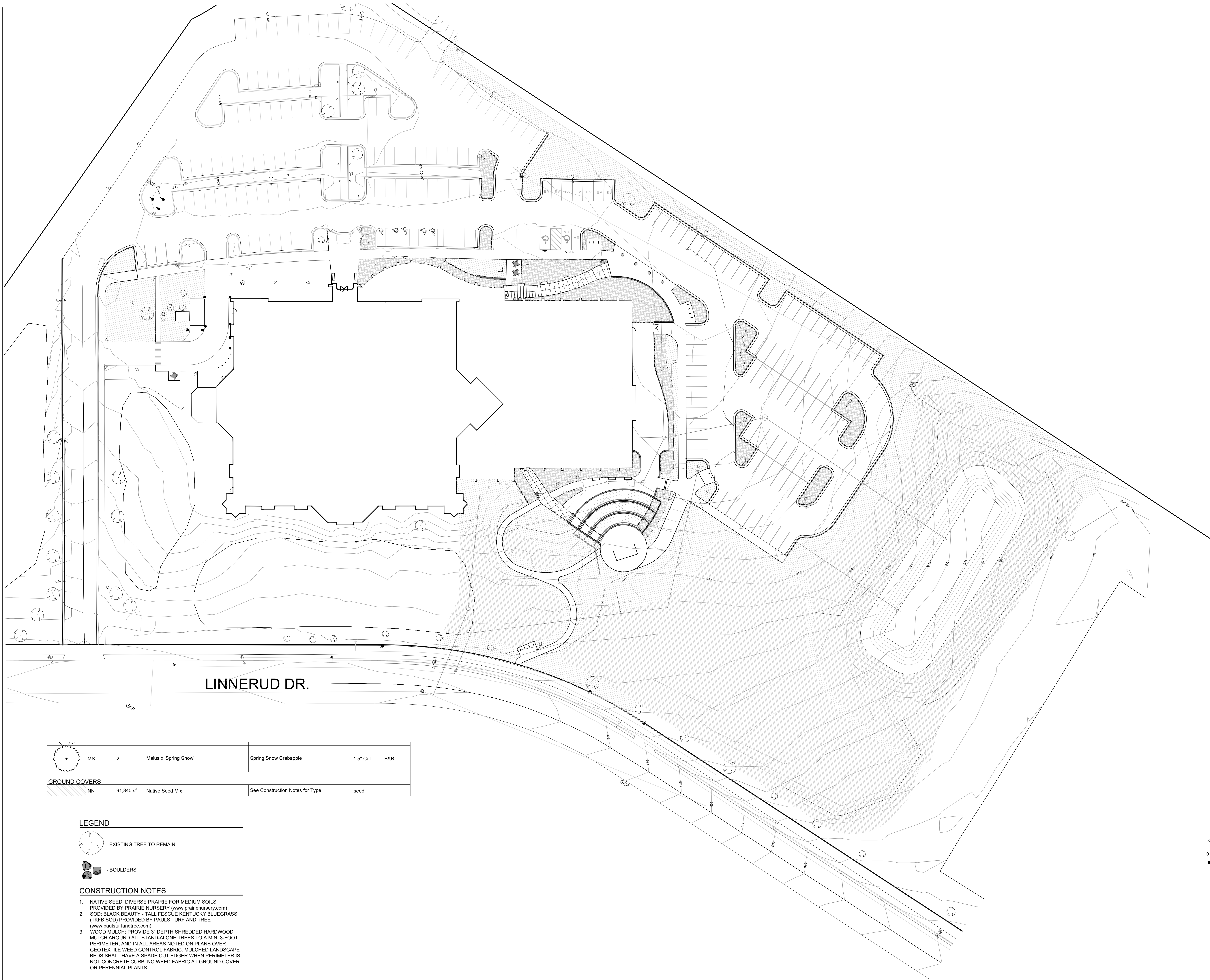
MATERIAL & AMENITY SCHEDULE

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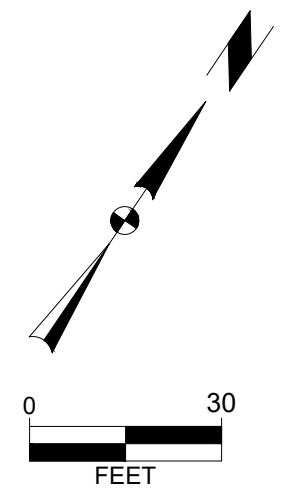
	MS	2	Malus x 'Spring Snow'	Spring Snow Crabapple	1.5" Cal.	B&B
GROUND COVERS						
	NN	91,840 sf	Native Seed Mix	See Construction Notes for Type	seed	

LEGEND

- EXISTING TREE TO REMAIN
- BOULDERS

CONSTRUCTION NOTES

1. NATIVE SEED: DIVERSE PRAIRIE FOR MEDIUM SOILS PROVIDED BY PRAIRIE NURSERY (www.prairienursery.com)
2. SOD: BLACK BEAUTY - TALL FESCUE KENTUCKY BLUEGRASS (TKFB SOD) PROVIDED BY PAULS TURF AND TREE (www.paulsturfandtree.com)
3. WOOD MULCH: PROVIDE 3" DEPTH SHREDDED HARDWOOD MULCH AROUND ALL STAND-ALONE TREES TO A MIN. 3-FOOT PERIMETER, AND IN ALL AREAS NOTED ON PLANS OVER GEOTEXTILE WEED CONTROL FABRIC. MULCHED LANDSCAPE BEDS SHALL HAVE A SPADE CUT EDGER WHEN PERIMETER IS NOT CONCRETE CURB. NO WEED FABRIC AT GROUND COVER OR PERENNIAL PLANTS.



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MULCHING AND SEEDING PLAN

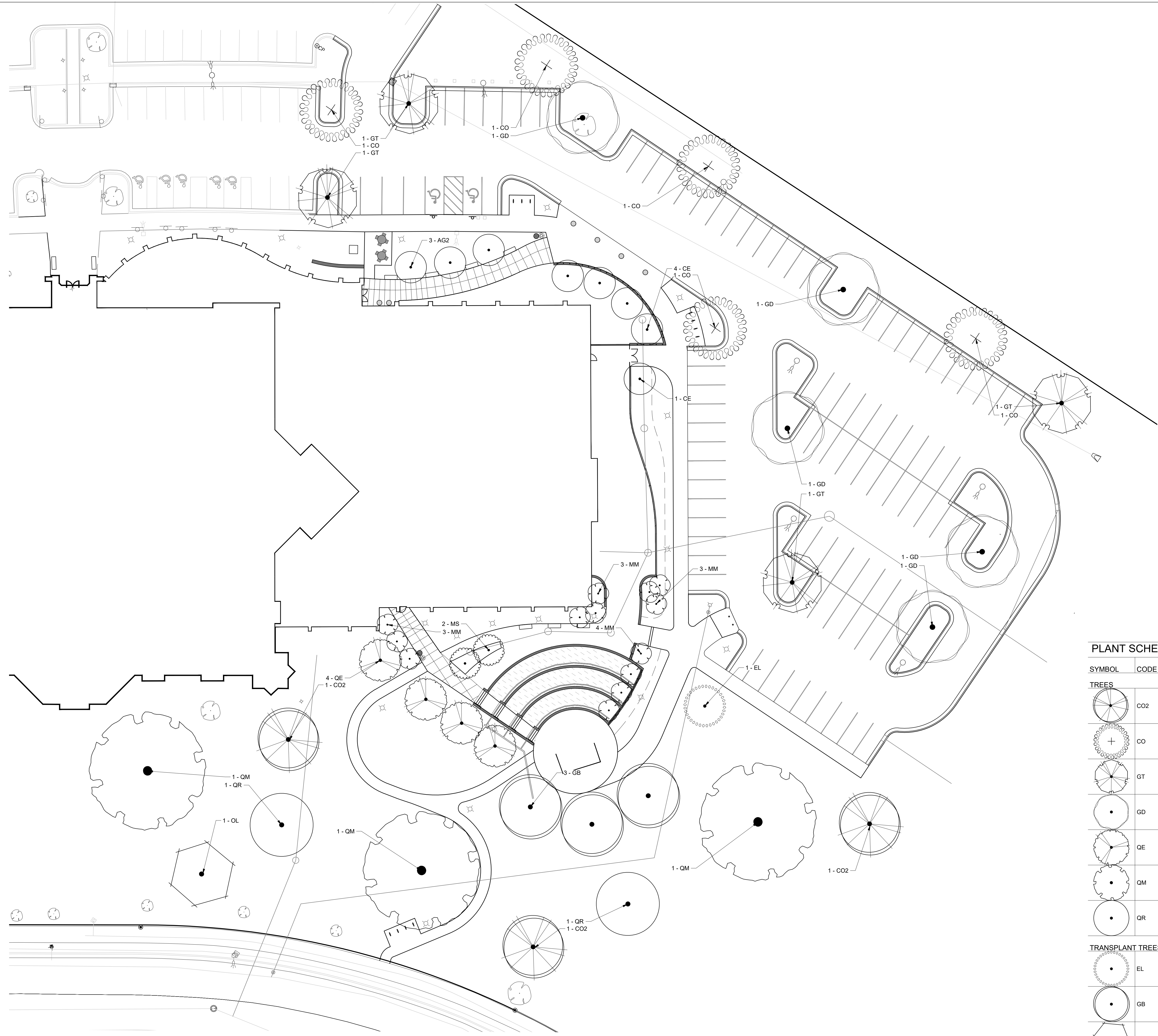
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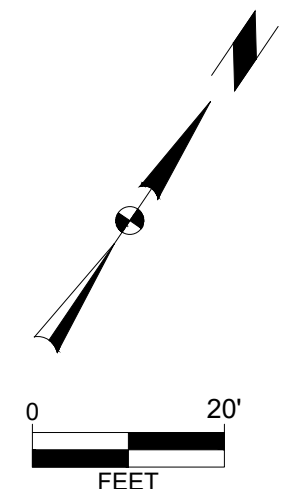


LEGEND
 --- SPADE CUT EDGE

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE
TREES						
	CO2	3	Carya ovata	Shagbark Hickory	1.5" Cal.	B&B
	CO	5	Celtis occidentalis	Common Hackberry	1.5" Cal.	B&B
	GT	4	Gleditsia triacanthos inermis 'Skyline'	Skyline Honey Locust	1.75" Cal.	B&B
	GD	5	Gymnocladus dioica 'Espresso'	Kentucky Coffeetree	1.5" Cal.	B&B
	OE	4	Quercus ellipsoidalis	Northern Pin Oak	1.5" Cal.	B&B
	QM	3	Quercus macrocarpa	Burr Oak	1.5" Cal.	B&B
	QR	2	Quercus rubra	Red Oak	8" Ht.	B&B
TRANSPLANT TREES						
	EL	1	Evergreen Tree Transplant	Evergreen Tree Transplant	10' Ht.	B&B
	GB	3	Ginkgo biloba	Ginkgo Transplant Tree	8" Ht.	B&B
	OL	1	Oak Tree Transplant	Oak Tree Transplant	20' Ht.	B&B
ORNAMENTAL TREES						
	AG2	3	Amelanchier x grandiflora 'Autumn Brilliance'	Serviceberry Multi-trunk	1.5" Cal.	B&B
	CE	5	Cercis canadensis	Eastern Redbud Multi-trunk	1.5" Cal.	B&B
	MM	13	Magnolia stellata	Star Magnolia Multi-Trunk	#7	Pot
	MS	2	Malus x 'Spring Snow'	Spring Snow Crabapple	1.5" Cal.	B&B

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PLANTING PLAN

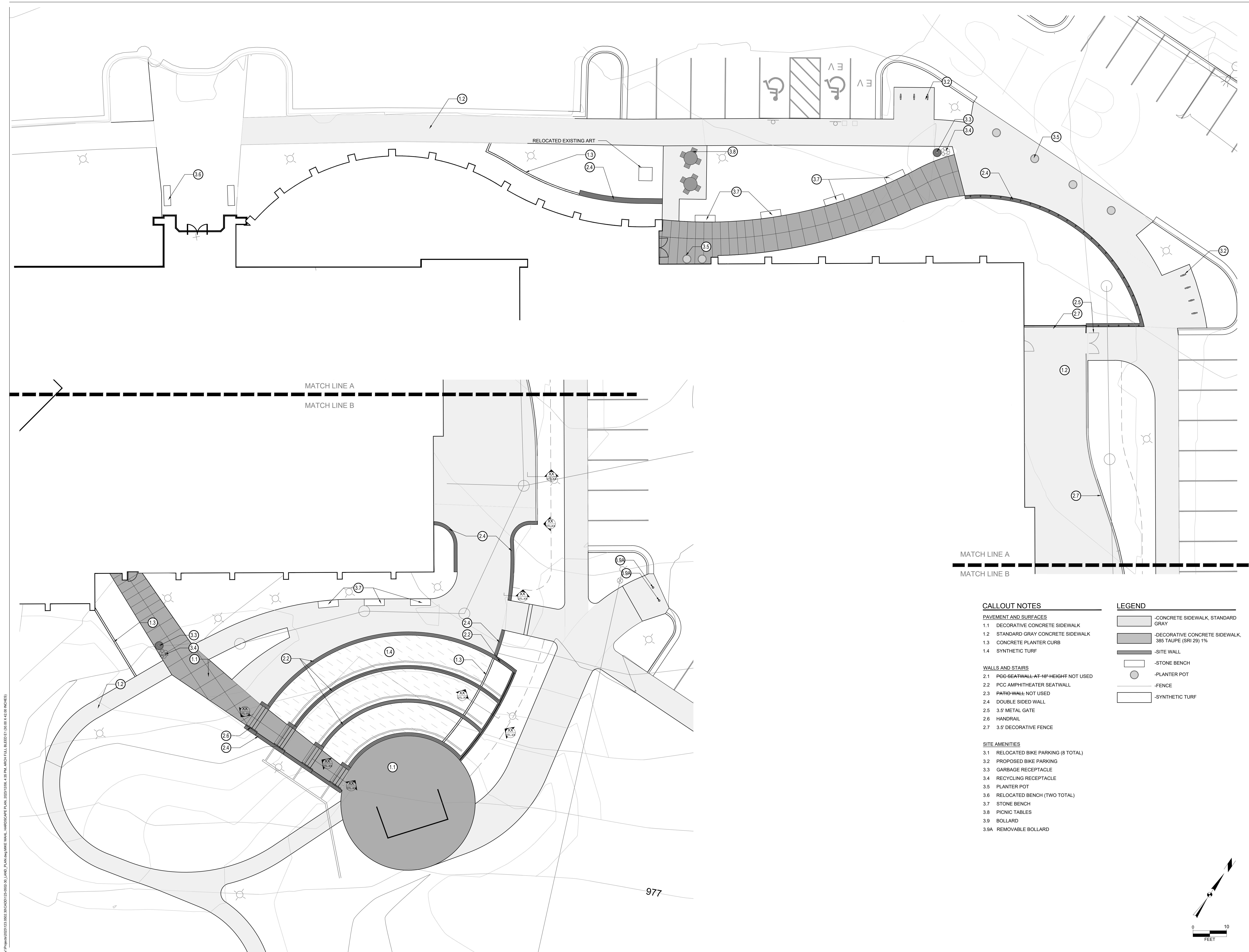
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977

CALLOUT NOTES

PAVEMENT AND SURFACES

- 1.1 DECORATIVE CONCRETE SIDEWALK
- 1.2 STANDARD GRAY CONCRETE SIDEWALK
- 1.3 CONCRETE PLANTER CURB
- 1.4 SYNTHETIC TURF

WALLS AND STAIRS

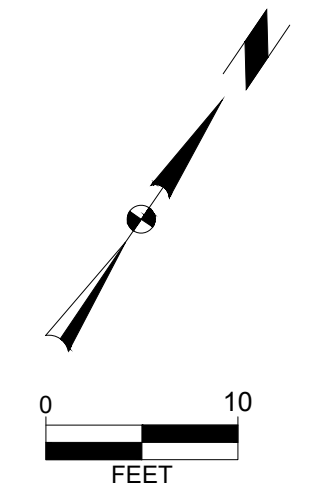
- 2.1 PGG SEATWALL AT 18" HEIGHT NOT USED
- 2.2 PCC AMPHITHEATER SEATWALL
- 2.3 PATIO WALL NOT USED
- 2.4 DOUBLE SIDED WALL
- 2.5 3.5' METAL GATE
- 2.6 HANDRAIL
- 2.7 3.5' DECORATIVE FENCE

SITE AMENITIES

- 3.1 RELOCATED BIKE PARKING (8 TOTAL)
- 3.2 PROPOSED BIKE PARKING
- 3.3 GARBAGE RECEPTACLE
- 3.4 RECYCLING RECEPTACLE
- 3.5 PLANTER POT
- 3.6 RELOCATED BENCH (TWO TOTAL)
- 3.7 STONE BENCH
- 3.8 PICNIC TABLES
- 3.9 BOLLARD
- 3.9A REMOVABLE BOLLARD

LEGEND

- CONCRETE SIDEWALK, STANDARD GRAY
- DECORATIVE CONCRETE SIDEWALK, 385 TAUPE (SRI 29) 1%
- SITE WALL
- STONE BENCH
- PLANTER POT
- FENCE
- SYNTHETIC TURF



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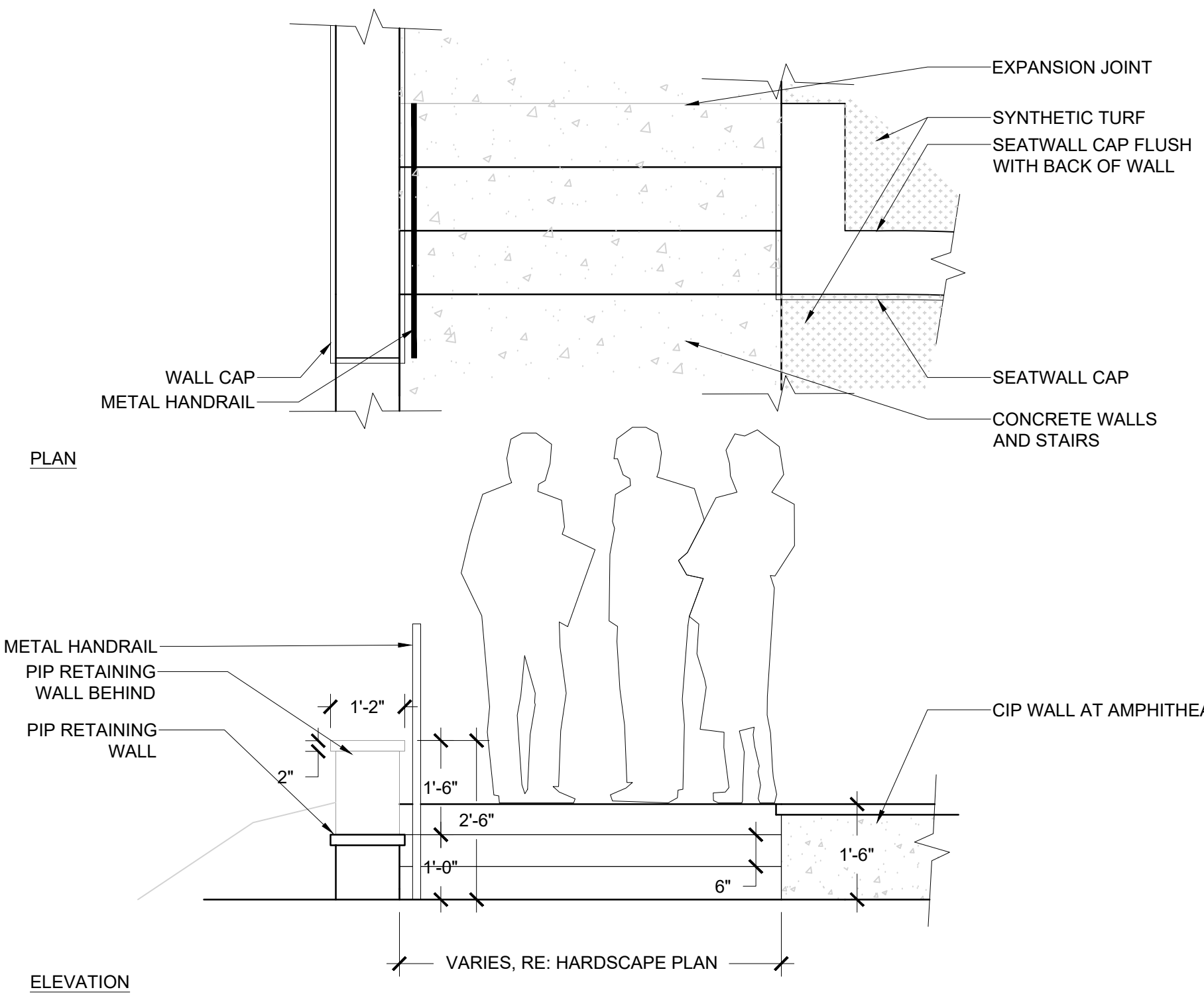
SHEET TITLE
HARDSCAPE PLAN

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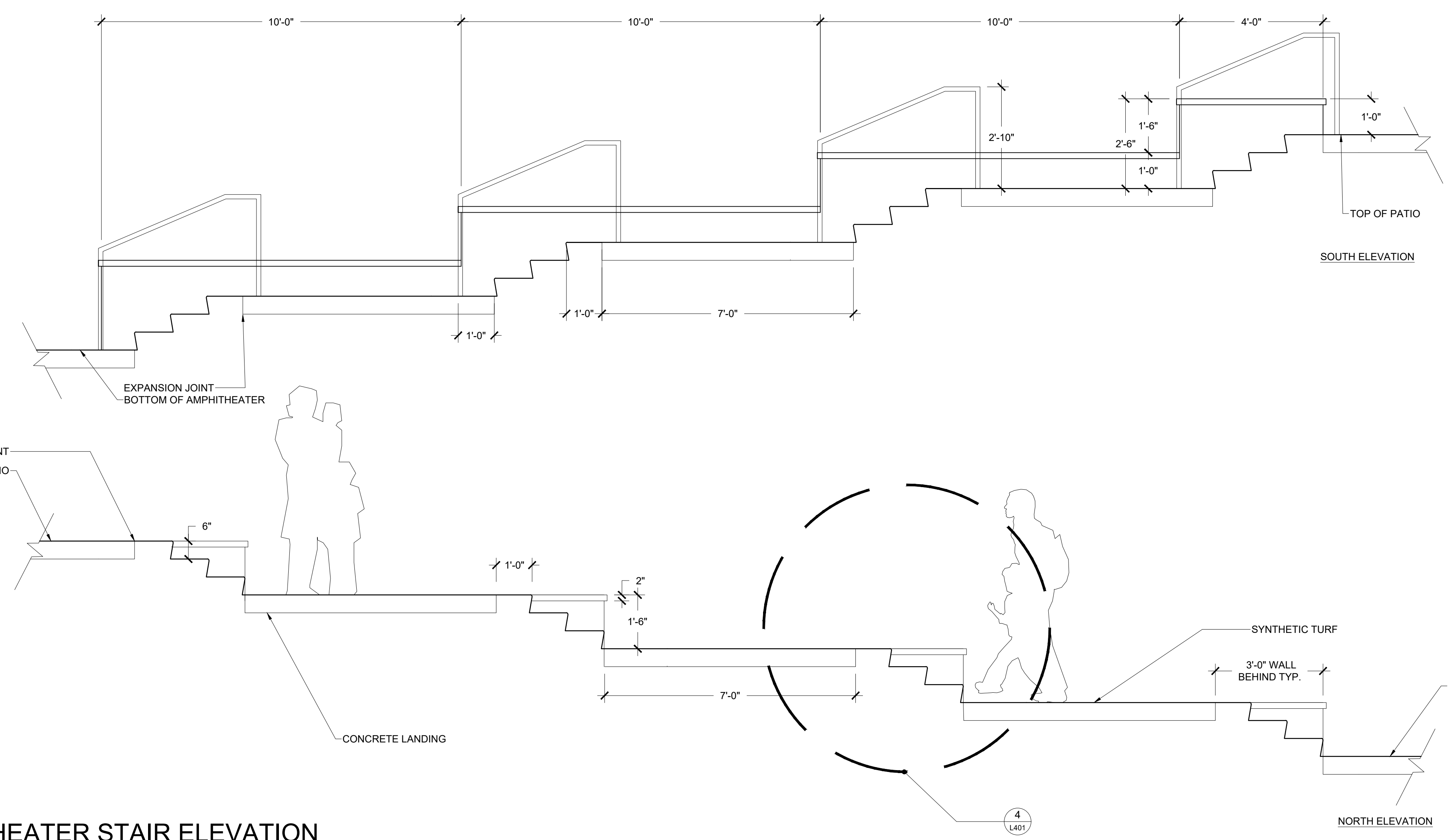
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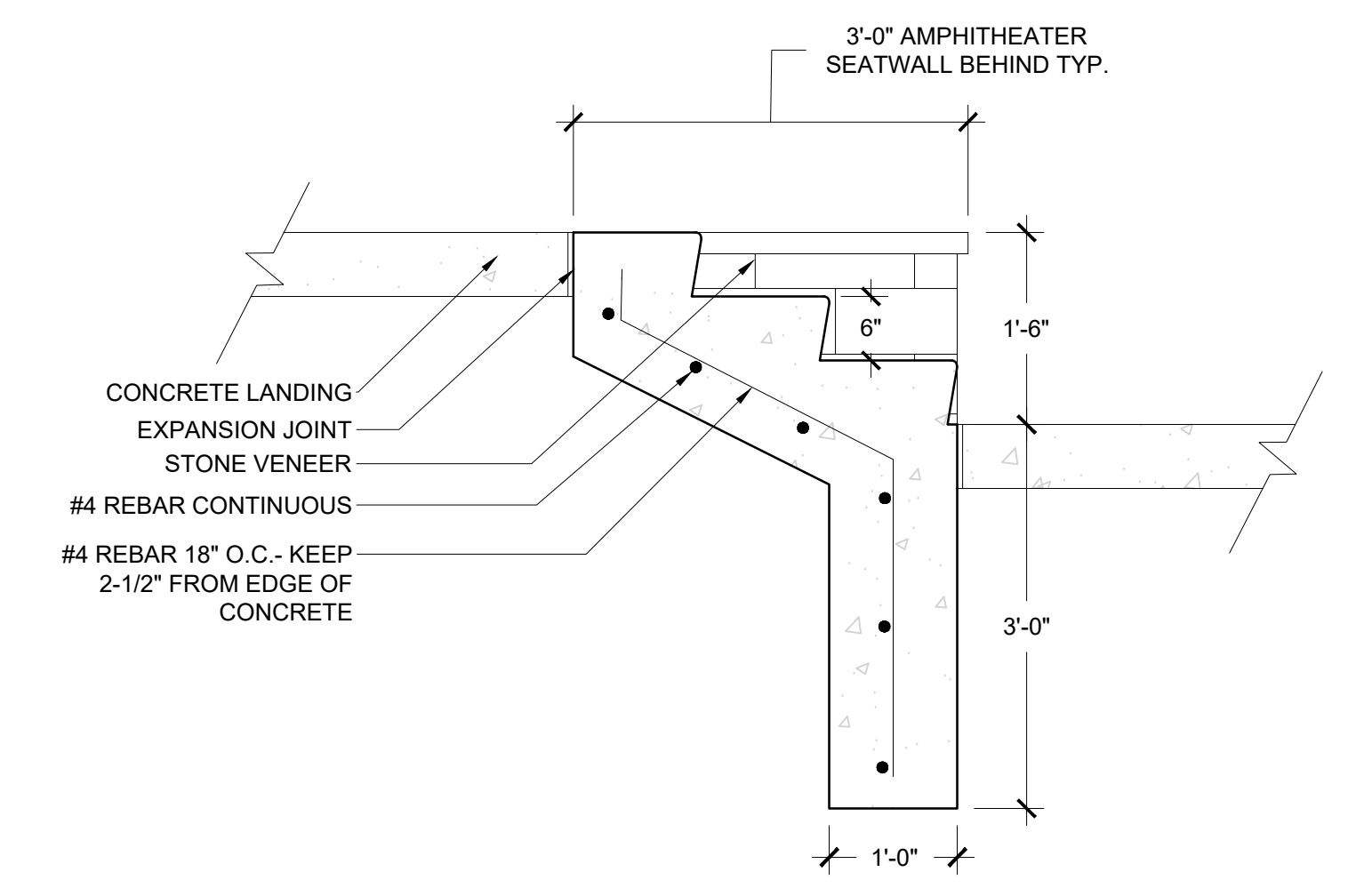
1 STAIRS AT AMPHITHEATER PLAN / ELEVATION

SCALE: 1/2" = 1'-0"



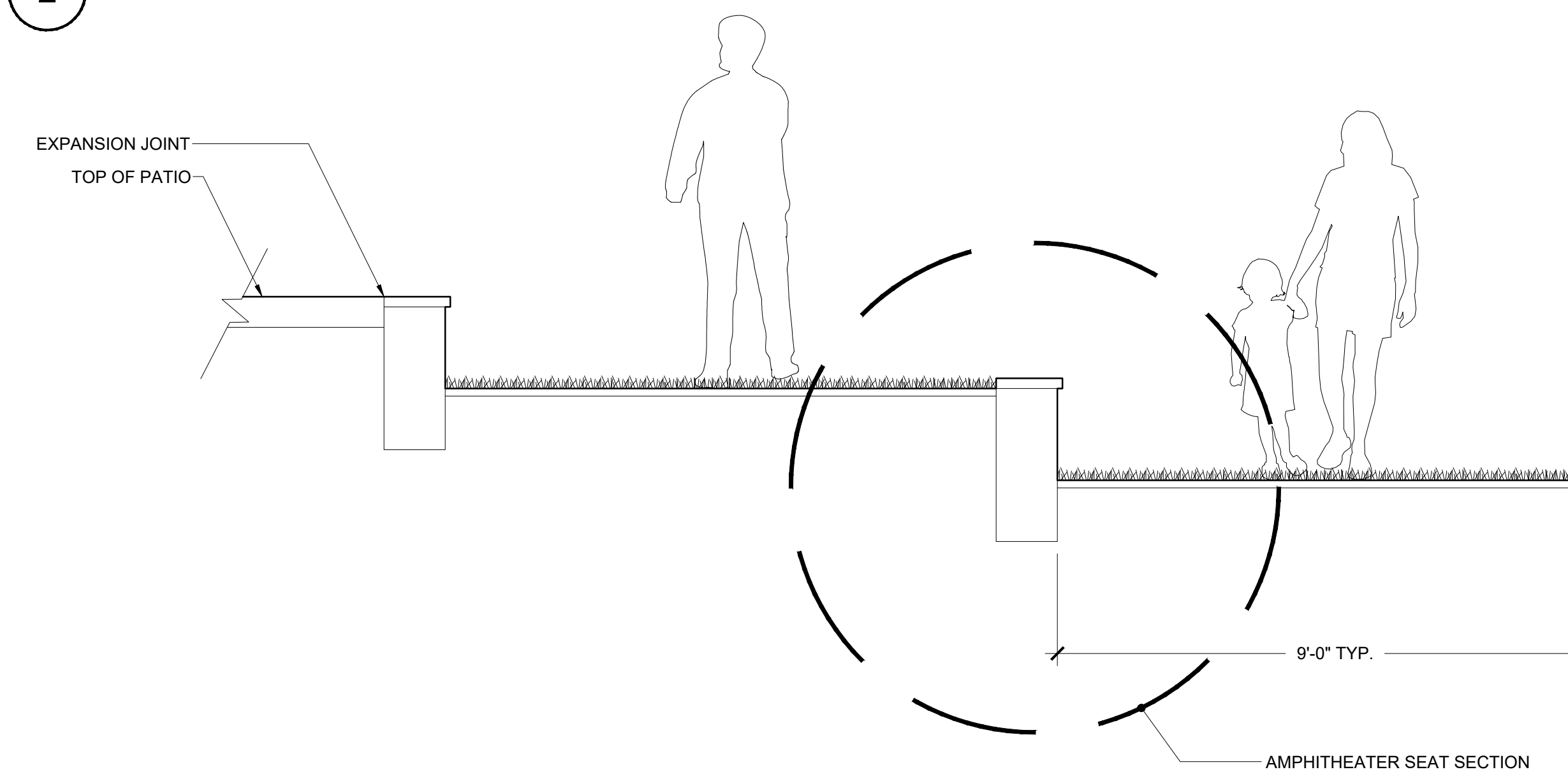
2 AMPHITHEATER STAIR ELEVATION

SCALE: 1/2" = 1'-0"



4 STAIR SECTION

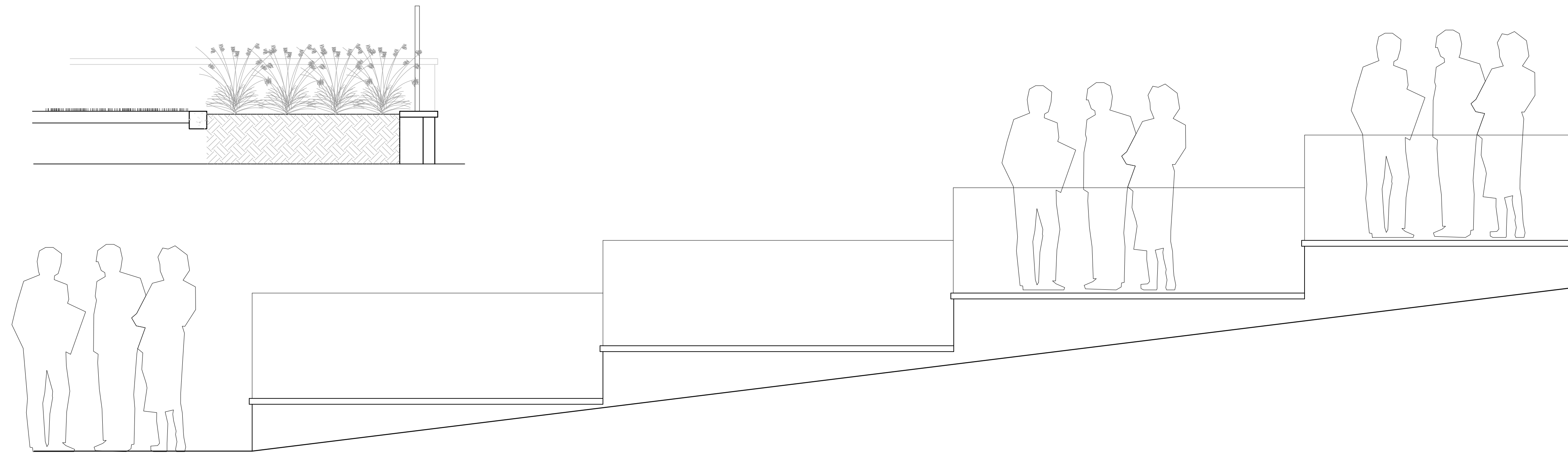
SCALE: 3/4" = 1'-0"



3 AMPHITHEATER SEATING ELEVATION

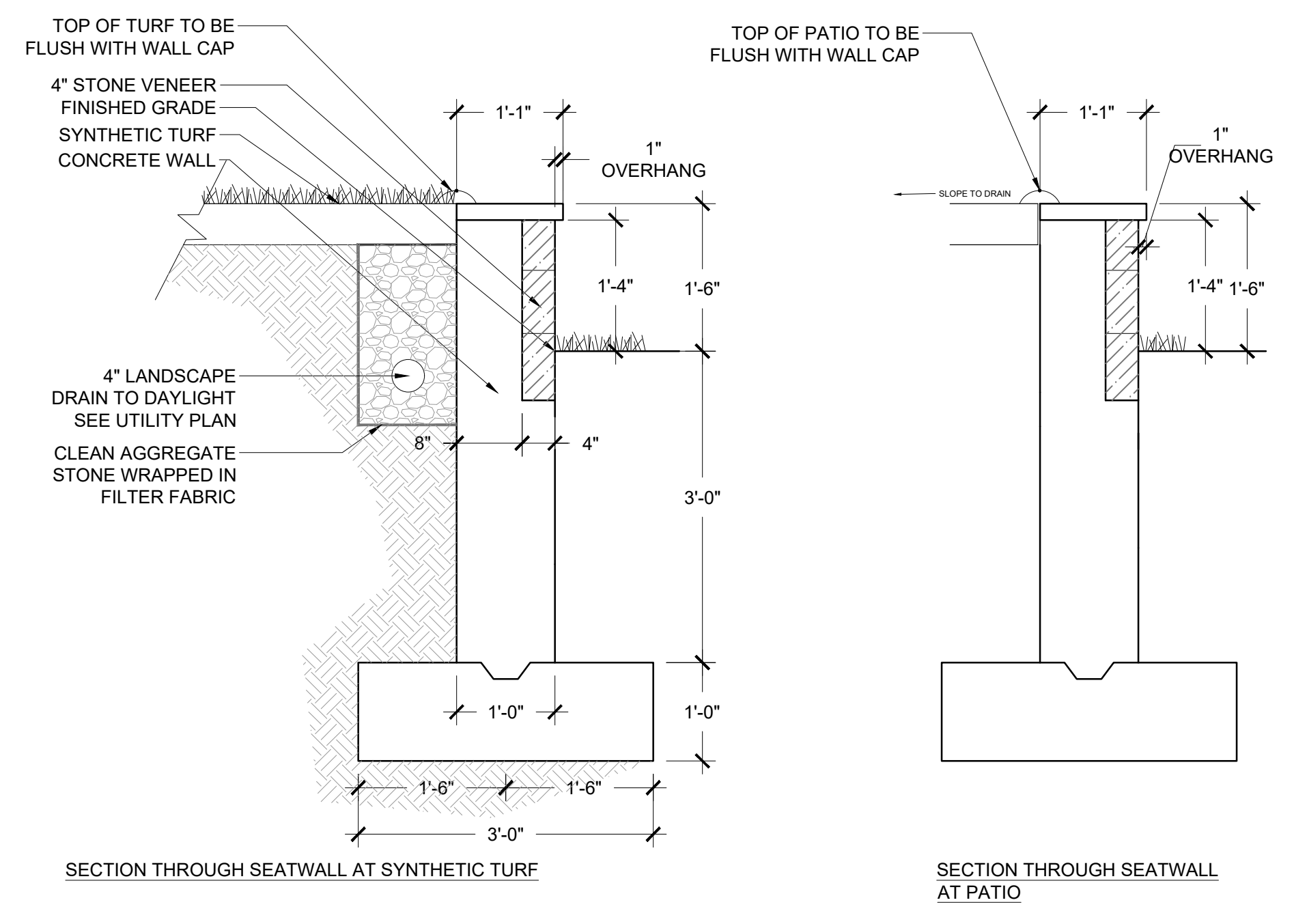
SCALE: 1/2" = 1'-0"

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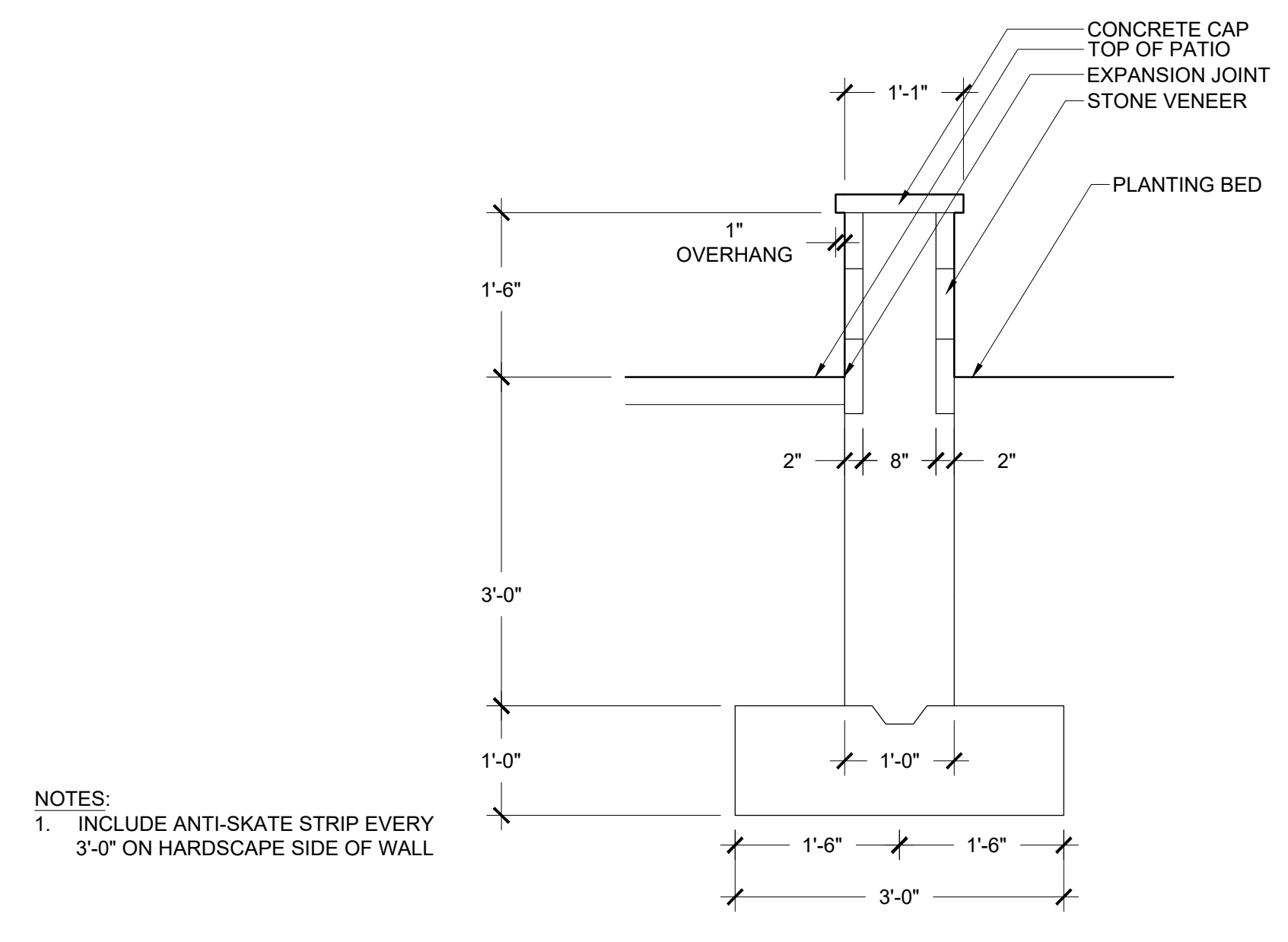
1 AMPHITHEATER AT PARKING ELEVATION

SCALE: 1/2" = 1'-0"



2 AMPHITHEATER SEAT SECTION

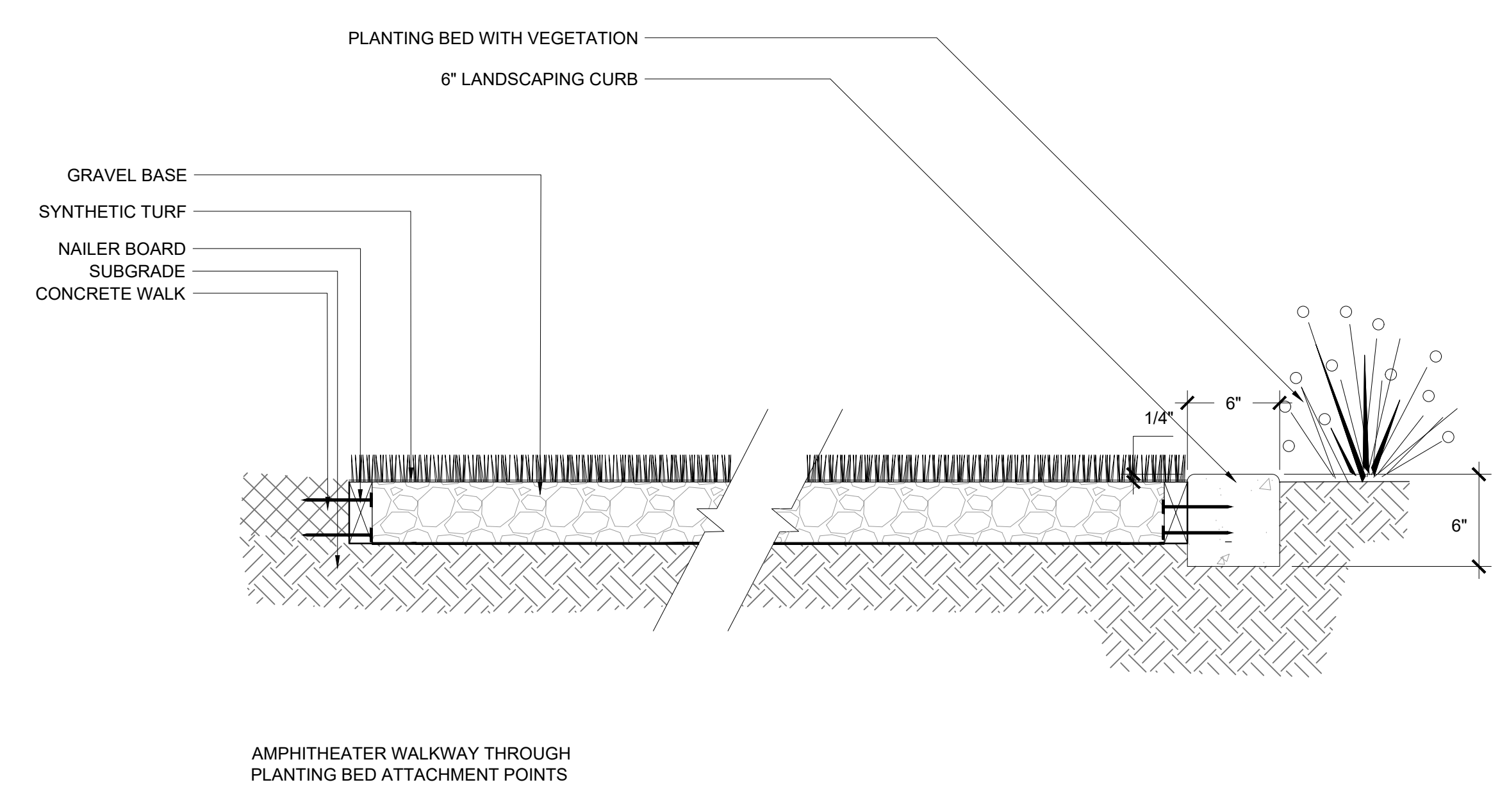
SCALE: 3/4" = 1'-0"



3 DOUBLE SIDED SEATING WALL

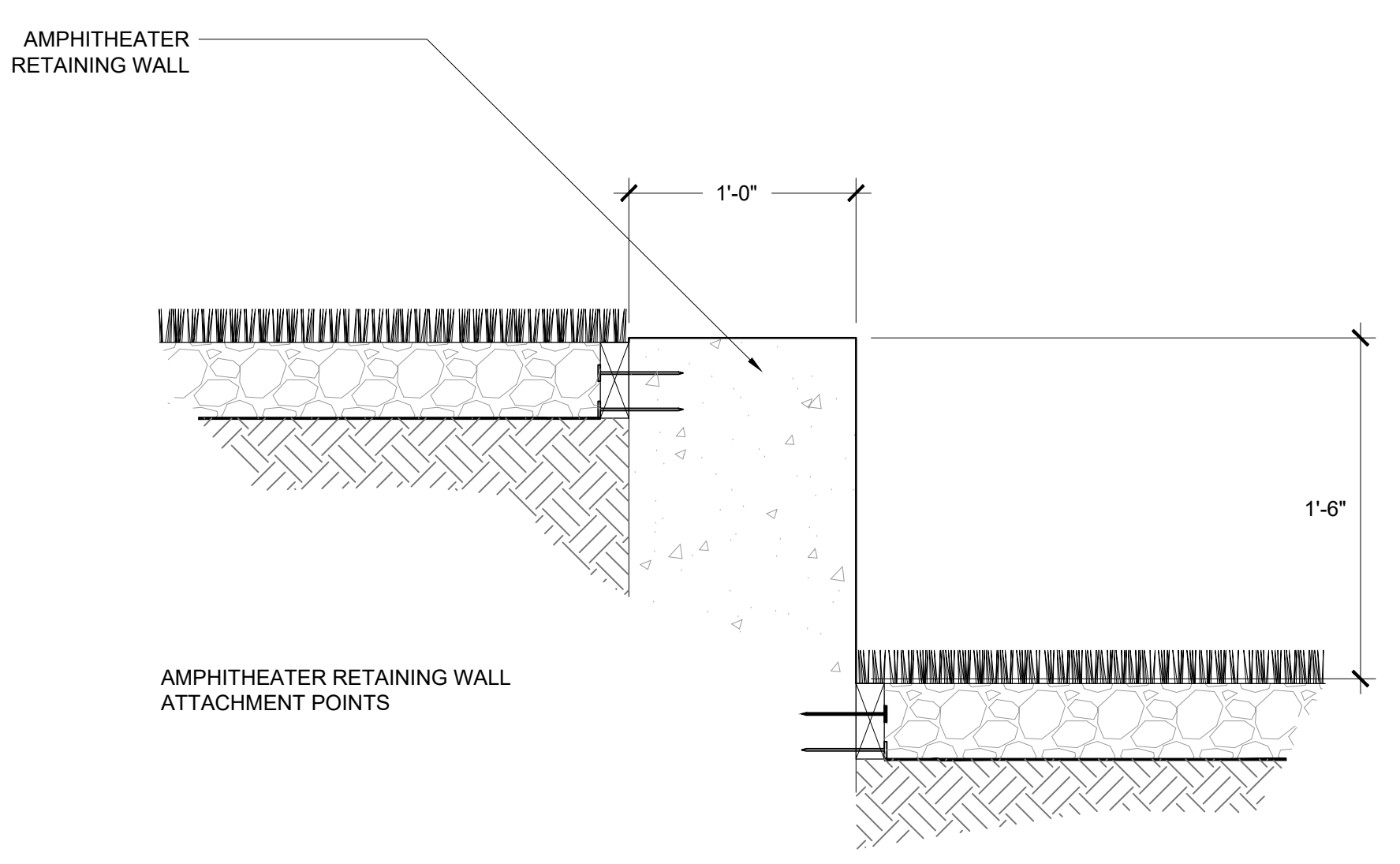
SCALE: 3/4" = 1'-0"

NOTES:
1. INCLUDE ANTI-SKATE STRIP EVERY 3'-0\"/>

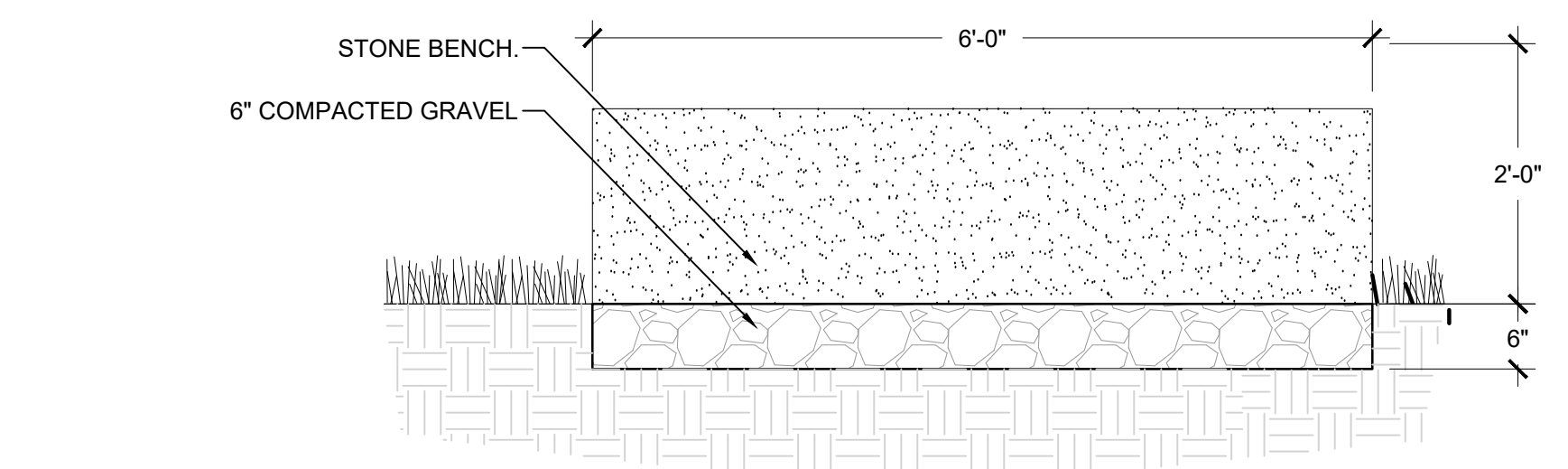


4 SYNTHETIC TURF ATTACHMENT POINTS

SCALE: 1-1/2" = 1'-0"



AMPHITHEATER RETAINING WALL ATTACHMENT POINTS



NOTES:
1. FOR BENCHES INSTALLED IN LANDSCAPE AREAS ONLY.
2. REFER TO PLANS FOR LOCATIONS.
3. LANDSCAPE ARCHITECT TO FIELD VERIFY LOCATIONS AND QUANTITY PRIOR TO FINAL INSTALLATION.
4. REFER TO MATERIAL AND AMENITY SCHEDULE FOR FINISHES

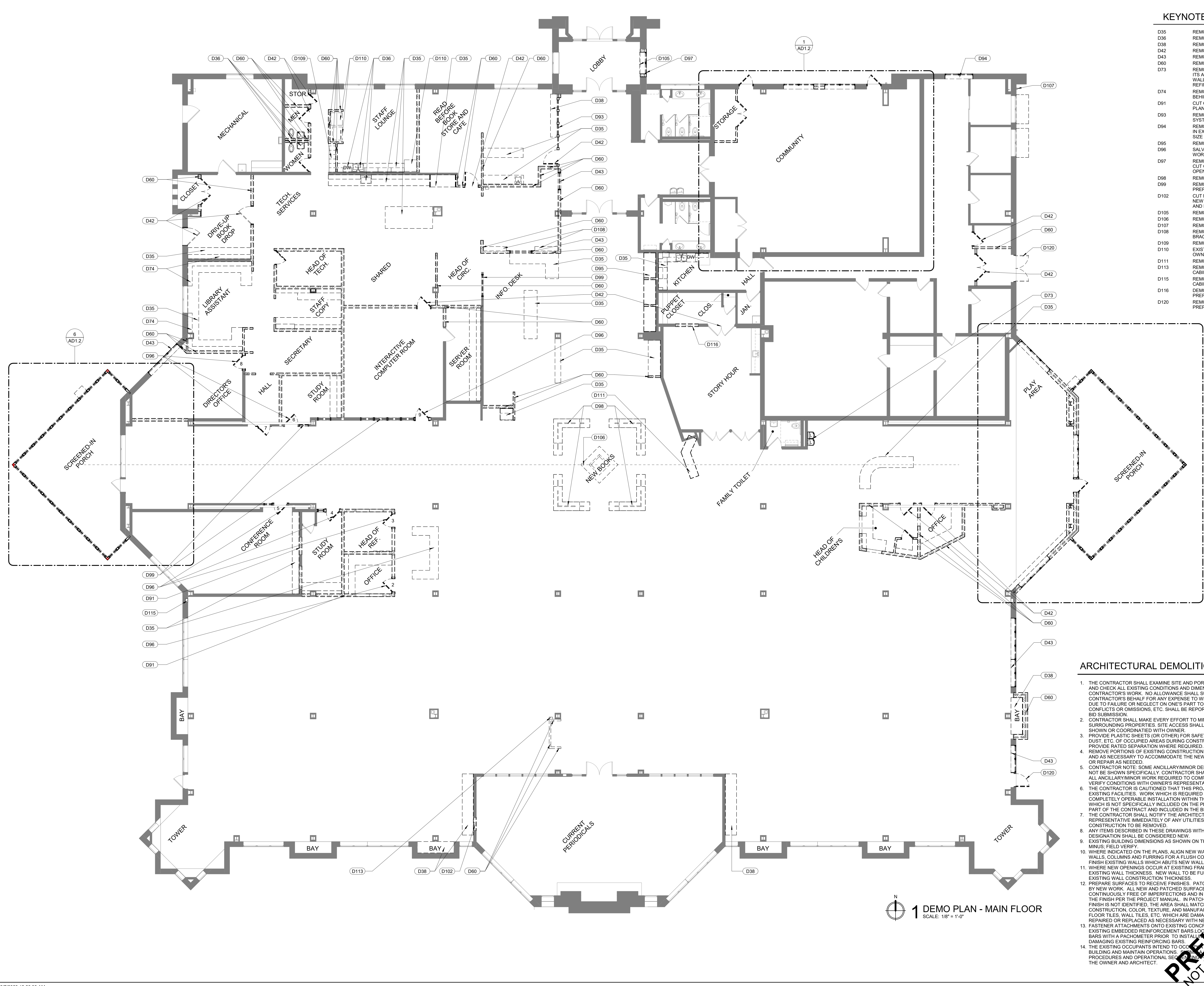
5 STONE BENCH

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

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KEYNOTES

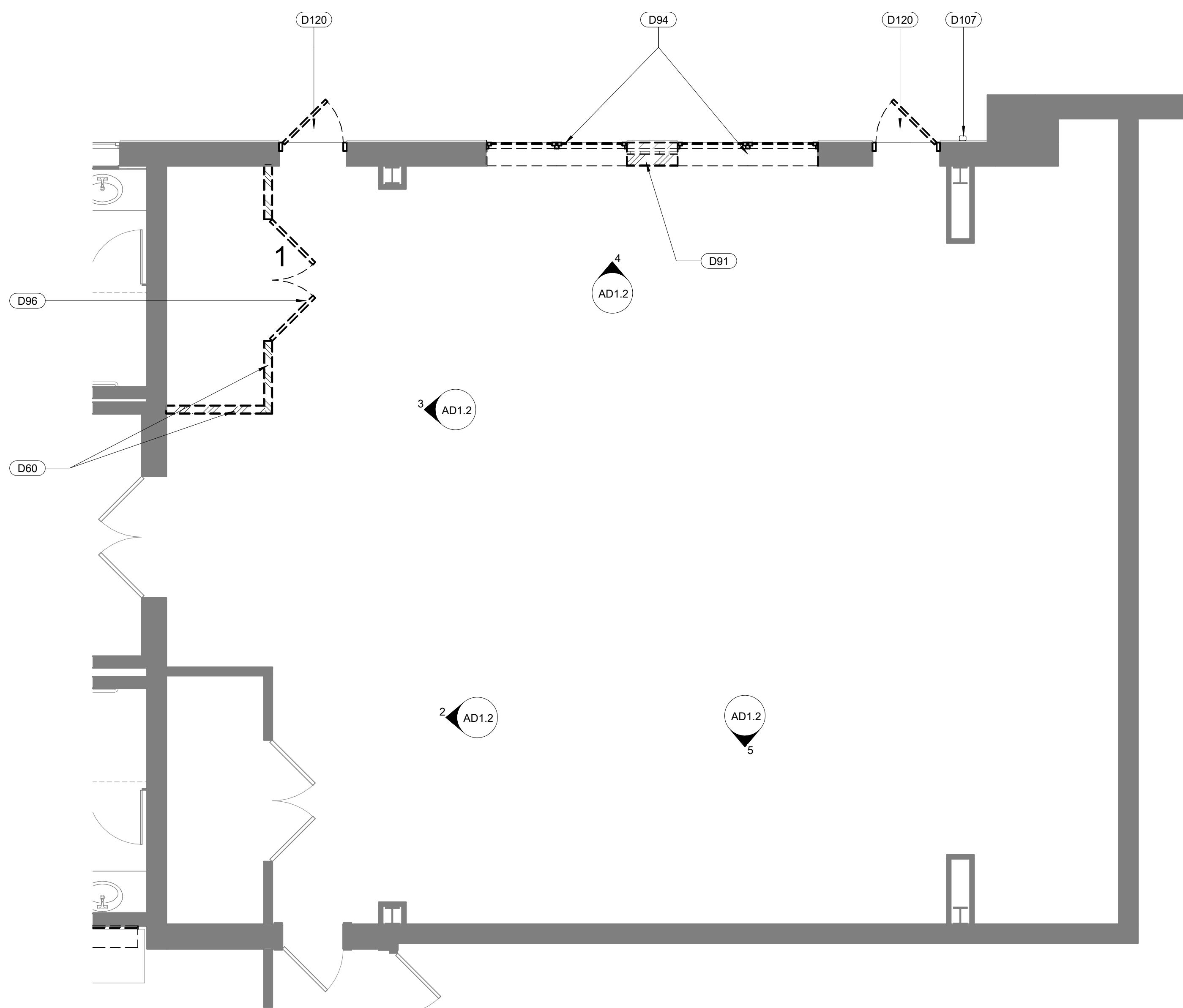
- D35 REMOVE EXISTING CASEWORK
- D36 REMOVE EXISTING PLUMBING FIXTURE(S)
- D38 REMOVE EXISTING COUNTERTOP
- D42 REMOVE EXISTING DOOR
- D43 REMOVE EXISTING WINDOW
- D60 REMOVE EXISTING WALL
- D73 REMOVE EXISTING WATER FOUNTAIN AND ITS ASSOCIATED PLUMBING. PROTECT WALL BEHIND AND PREPARE TO BE REFINISHED
- D74 REMOVE EXISTING SHELF. PROTECT WALL BEHIND AND PREPARE TO BE REFINISHED. CUT OPENING IN EXISTING WALL. SEE NEW PLAN FOR SIZE AND LOCATION
- D91 REMOVE EXISTING WALL
- D93 REMOVE EXISTING STOREFRONT FRAMING SYSTEM
- D94 REMOVE EXISTING WINDOW. CUT OPENING IN EXISTING WALL. SEE NEW PLAN FOR SIZE AND LOCATION
- D96 REMOVE EXISTING DISPLAY CASE
- D97 REMOVE EXISTING WINDOW AND FRAME. CUT OPENING IN EXISTING WALL. PREP OPENING FOR NEW DOOR FRAME.
- D98 REMOVE EXISTING SHELF
- D99 REMOVE EXISTING WINDOW AND FRAME. PREP OPENING FOR WALL INFILL
- D102 CUT NEW OPENING IN EXISTING WALL. SEE NEW CONSTRUCTION DRAWING FOR SIZE AND LOCATION
- D105 REMOVE EXISTING AWNING
- D106 REMOVE EXISTING BENCH
- D107 REMOVE EXISTING DOWNSPOUT
- D108 REMOVE EXISTING SHELVES AND BRACKETS
- D109 REMOVE EXISTING LOCKERS
- D110 EXISTING EQUIPMENT TO BE REMOVED BY OWNER AND USED IN NEW WORK
- D111 REMOVE EXISTING CHILDREN'S GATEWAY
- D113 REMOVE EXISTING FIRE EXTINGUISHER CABINET
- D115 REMOVE EXISTING FIRE EXTINGUISHER CABINET
- D116 DEMOLISH EXISTING PUPPET OPENINGS. PREP FOR INFILL
- D120 REMOVE EXISTING DOOR AND FRAME. PREP OPENING FOR NEW FRAME

ARCHITECTURAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL EXAMINE SITE AND PORTIONS THEREOF TO ASCERTAIN AND CHECK ALL EXISTING CONDITIONS AND DIMENSIONS WHICH MAY AFFECT THE CONTRACTOR'S WORK. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE IN THE CONTRACTOR'S BEHALF FOR ANY EXPENSE TO WHICH THE CONTRACTOR MAY BE DUE TO FAILURE OR NEGLIGENCE ON ONE'S PART TO MAKE AN EXAMINATION. ANY CONFLICTS OR OMISSIONS, ETC. SHALL BE REPORTED TO THE ARCHITECT PRIOR TO BID SUBMISSION.
2. CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE DUST AND NOISE TO SURROUNDING PROPERTIES. SITE ACCESS SHALL BE LIMITED TO LOCATIONS SHOWN OR COORDINATED WITH OWNER.
3. PROVIDE PLASTIC SHEETS (OR OTHER) FOR SAFETY AND PROTECTION FROM NOISE, DUST, ETC. OF OCCUPIED AREAS DURING CONSTRUCTION AND DEMOLITION. PROVIDE RATED SEPARATION WHERE REQUIRED.
4. REMOVE PORTIONS OF EXISTING CONSTRUCTION AS NOTED ON THE DRAWINGS AND AS NECESSARY TO ACCOMMODATE THE NEW CONSTRUCTION AND REPLACE OR REPAIR AS NEEDED.
5. CONTRACTOR NOTE: SOME ANCILLARY/MINOR DEMOLITION AND PATCH/REPAIR MAY NOT BE SHOWN SPECIFICALLY. CONTRACTOR SHALL PROVIDE AND COORDINATE ALL ANCILLARY/MINOR WORK REQUIRED TO COMPLETE NEW WORK AS DESIGNED. VERIFY CONDITIONS WITH OWNER'S REPRESENTATIVE PRIOR TO BEGINNING WORK.
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7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND CONSTRUCTION REPRESENTATIVE IMMEDIATELY OF ANY UTILITIES NOT IDENTIFIED FOUND IN CONSTRUCTION TO BE REMOVED.
8. ANY ITEMS DESCRIBED IN THESE DRAWINGS WITHOUT A "NEW" (N) OR "EXISTING" (E) DESIGNATION SHALL BE CONSIDERED NEW.
9. EXISTING BUILDING DIMENSIONS AS SHOWN ON THE PLANS MAY DIFFER PLUS OR MINUS. FIELD VERIFY.
10. WHERE INDICATED ON THE PLANS, ALIGN NEW WALLS WITH THE FACE OF EXISTING WALLS, COLUMNS AND FLOORING FOR A FLUSH CONDITION. REPAIR, PATCH AND FINISH EXISTING WALLS WHICH ABUTS NEW WALLS.
11. WHERE NEW OPENINGS OCCUR AT EXISTING FRAMED WALLS, FIELD VERIFY EXISTING WALL THICKNESS. NEW WALLS TO BE FLUSH WITH EXISTING WALL CONSTRUCTION THICKNESS.
12. PREPARE SURFACES TO RECEIVE FINISHES. PATCH ALL EXISTING WORK DAMAGED BY NEW WORK. ALL NEW AND PATCHED SURFACES SHALL BE SMOOTH, CONTINUOUSLY FREE OF IMPERFECTIONS AND IN PROPER CONDITION. REPAIR TO THE FINISH PER THE PROJECT MANUAL. IN PATCHED AREAS OF EXISTING WALLS, FINISH IS NOT IDENTIFIED, THE AREA SHALL MATCH ADJACENT EXISTING WALLS. CONSTRUCTION, COLOR, TEXTURE, AND MANUFACTURE OF FINISHES SHALL BE REPAIRED OR REPLACED AS NECESSARY WITH NEW FINISHES. DO NOT DAMAGE FASTENER ATTACHMENTS ONTO EXISTING CONCRETE. FASTENERS SHALL NOT DAMAGE EXISTING EMBEDDED REINFORCEMENT BARS. LOCATE ALL EXISTING REINFORCEMENT BARS WITH A PACHOMETER PRIOR TO INSTALLATION. FASTENERS SHALL NOT DAMAGE EXISTING REINFORCING BARS.
13. THE EXISTING OCCUPANTS INTEND TO OCCUPY THE DEMOLISHED PORTION OF THE BUILDING AND MAINTAIN OPERATIONS. SEE DEMOLITION PLAN INDICATING PROCEDURES AND OPERATIONAL SEQUENCE. FOR REVIEW AND ACCEPTANCE BY THE OWNER AND ARCHITECT.

1 DEMO PLAN - MAIN FLOOR
SCALE: 1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION



2 COMMUNITY ROOM WEST WALL 1
NOT TO SCALE



3 COMMUNITY ROOM WEST WALL 2
NOT TO SCALE

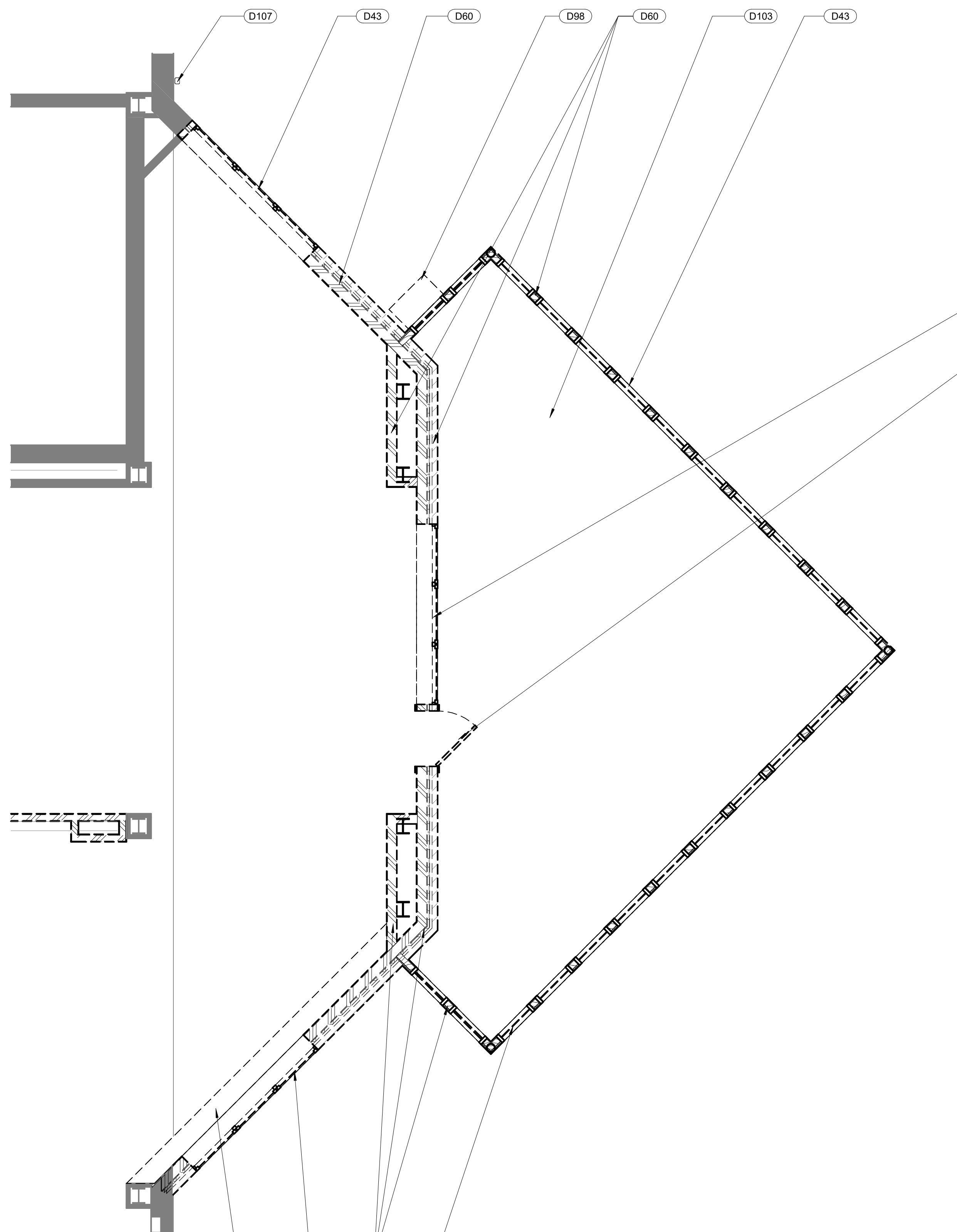
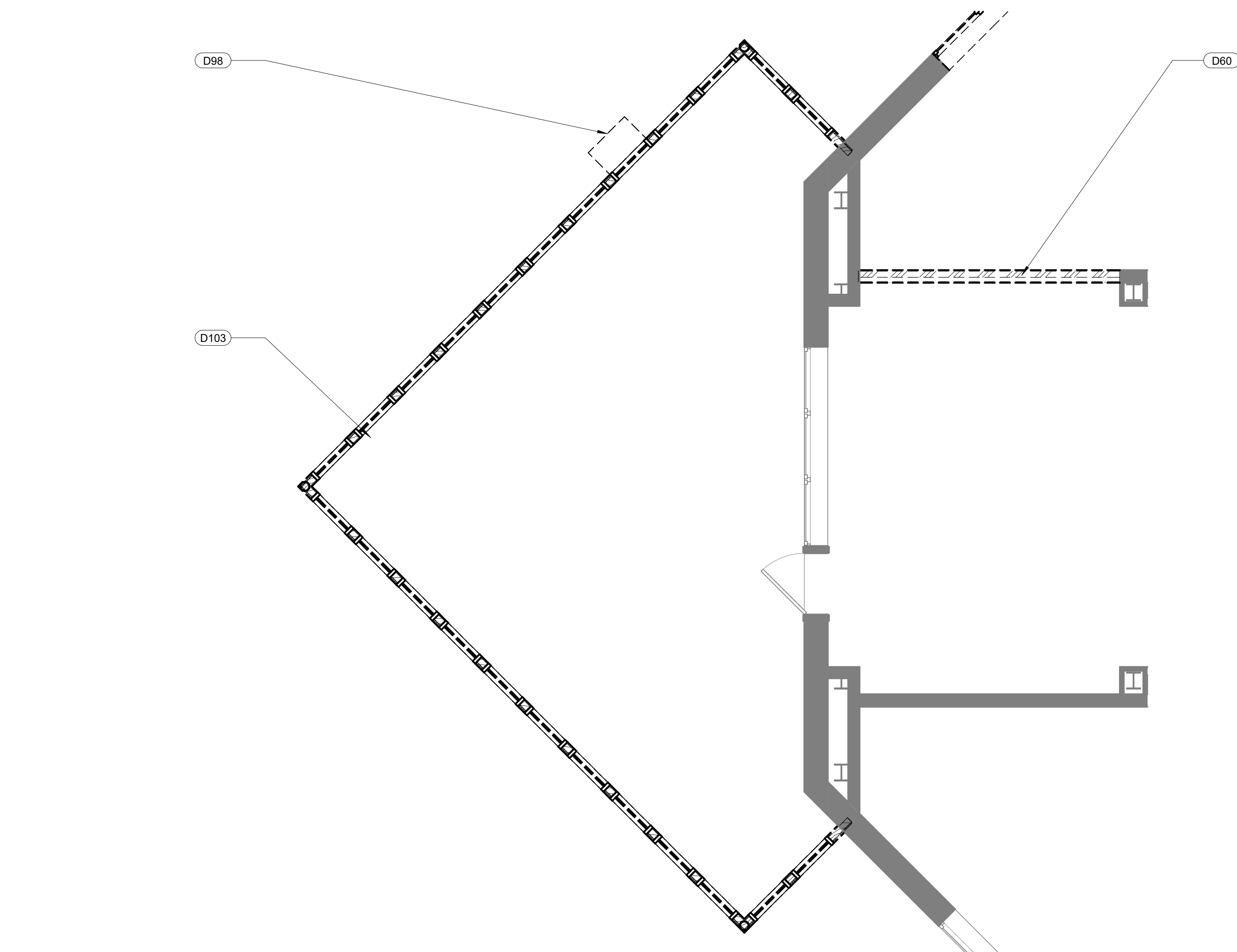


4 COMMUNITY ROOM NORTH WALL
NOT TO SCALE



5 COMMUNITY ROOM SOUTH WALL
NOT TO SCALE

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



7 EAST SCREENED IN PORCH AND PLAY AREA
SCALE: 1/4" = 1'-0"

6 WEST SCREENED IN PORCH
SCALE: 1/4" = 1'-0"

KEYNOTES	
D42	REMOVE EXISTING DOOR
D43	REMOVE EXISTING WINDOW
D60	REMOVE EXISTING WALL
D91	CUT OPENING IN EXISTING WALL; SEE NEW PLAN FOR SIZE AND LOCATION
D94	REMOVE EXISTING WINDOW; CUT OPENING IN EXISTING WALL; SEE NEW PLAN FOR SIZE AND LOCATION
D96	SALVAGE DOORS AND REUSE IN NEW WORK
D98	REMOVE EXISTING SHELF
D103	REMOVE EXISTING PORCH
D106	REMOVE EXISTING BENCH
D107	REMOVE EXISTING DOWNSPOUT
D120	REMOVE EXISTING DOOR AND FRAME; PREP OPENING FOR NEW FRAME

ARCHITECTURAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL EXAMINE SITE AND PORTIONS THEREOF TO ASCERTAIN AND CHECK ALL EXISTING CONDITIONS AND DIMENSIONS WHICH MAY AFFECT THE CONTRACTOR'S WORK. NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE IN THE CONTRACTOR'S BEHALF FOR ANY EXPENSE TO WHICH THE CONTRACTOR MAY BE DUE TO FAILURE OR NEGLECT ON ONE'S PART TO MAKE AN EXAMINATION. ANY CONFLICTS OR OMISSIONS, ETC. SHALL BE REPORTED TO THE ARCHITECT PRIOR TO BID SUBMISSION.
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13. FASTENER ATTACHMENTS ONTO EXISTING CONCRETE SHALL BE MADE IN SUCH A MANNER AS NOT DAMAGE EXISTING EMBEDDED REINFORCEMENT BARS. LOCATE ALL EXISTING REINFORCEMENT BARS WITH A PACHOMETER PRIOR TO INSTALLATION. FASTENERS SHALL BE PLACED TO AVOID DAMAGING EXISTING REINFORCING BARS.
14. THE EXISTING OCCUPANTS INTEND TO OCCUPY A PORTION OF THE BUILDING AND MAINTAIN OPERATIONS. CONSTRUCTION PLAN INDICATING PROCEDURES AND OPERATIONAL SEQUENCES FOR REVIEW AND ACCEPTANCE BY THE OWNER AND ARCHITECT.

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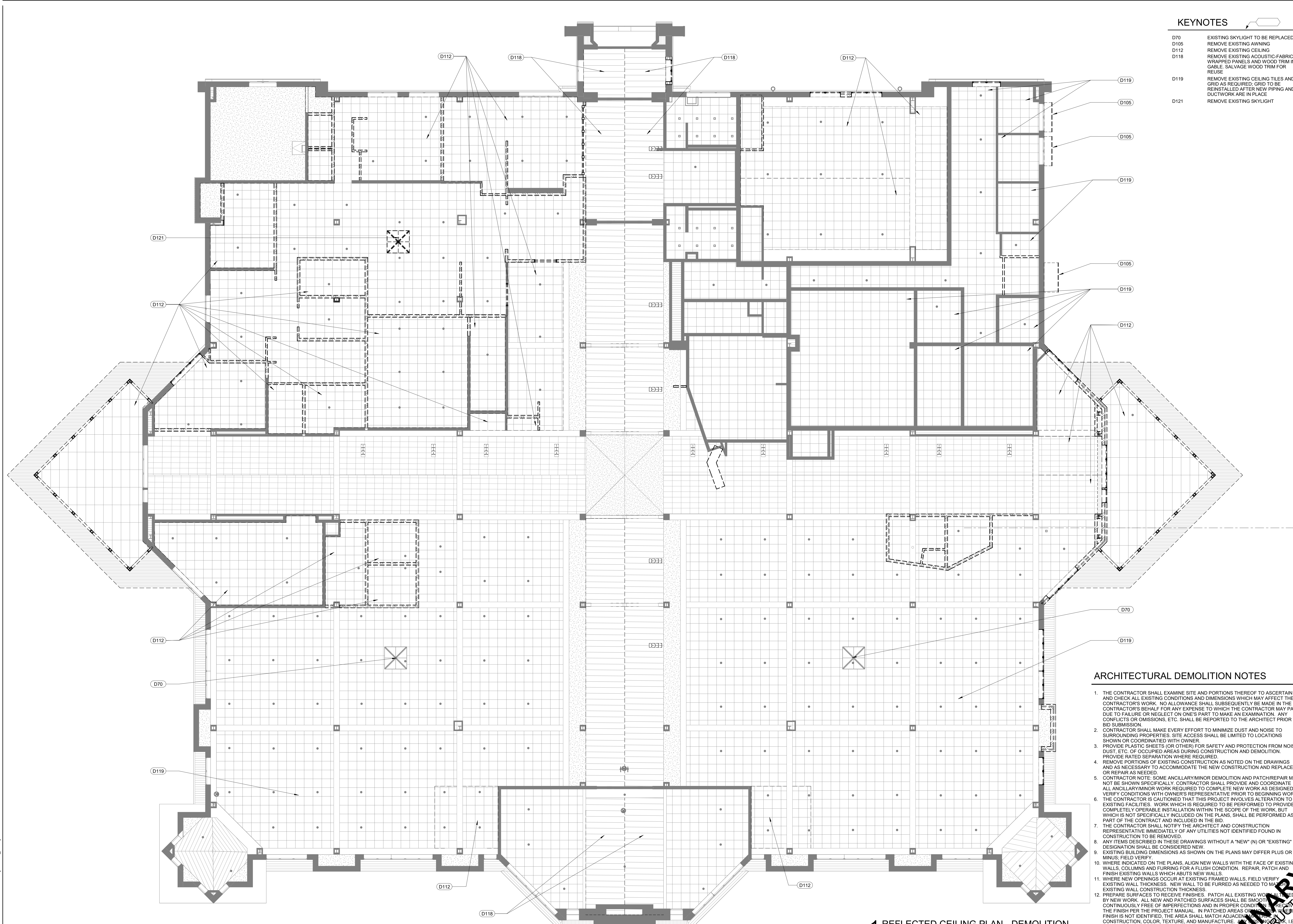
SHEET TITLE
ENLARGED DEMOLITION PLANS

PROJECT TITLE
**CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/07/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET
AD1.2



KEYNOTES

- D70 EXISTING SKYLIGHT TO BE REPLACED
- D105 REMOVE EXISTING AWNING
- D112 REMOVE EXISTING CEILING
- D118 REMOVE EXISTING ACOUSTIC-FABRIC WRAPPED PANELS AND WOOD TRIM IN GABLE. SALVAGE WOOD TRIM FOR REUSE
- D119 REMOVE EXISTING CEILING TILES AND GRID AS REQUIRED. GRID TO BE REINSTALLED AFTER NEW PIPING AND DUCTWORK ARE IN PLACE
- D121 REMOVE EXISTING SKYLIGHT

ARCHITECTURAL DEMOLITION NOTES

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13. EXISTING DAMAGED OR MISSING CEILING TILES, FLOOR TILES, WALL TILES, ETC. WHICH ARE DAMAGED OR MISSING SHALL BE REPAIRED OR REPLACED AS NECESSARY WITH NEW TILES. FASTENERS SHALL NOT BE ATTACHED TO EXISTING CONCRETE OR MASONRY SURFACES. DO NOT DAMAGE EXISTING EMBEDDED REINFORCEMENT BARS. LOCATE ALL REINFORCEMENT BARS WITH A PACHOMETER PRIOR TO INSTALLATION. FASTENERS SHALL NOT DAMAGE EXISTING REINFORCING BARS.
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1 REFLECTED CEILING PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"

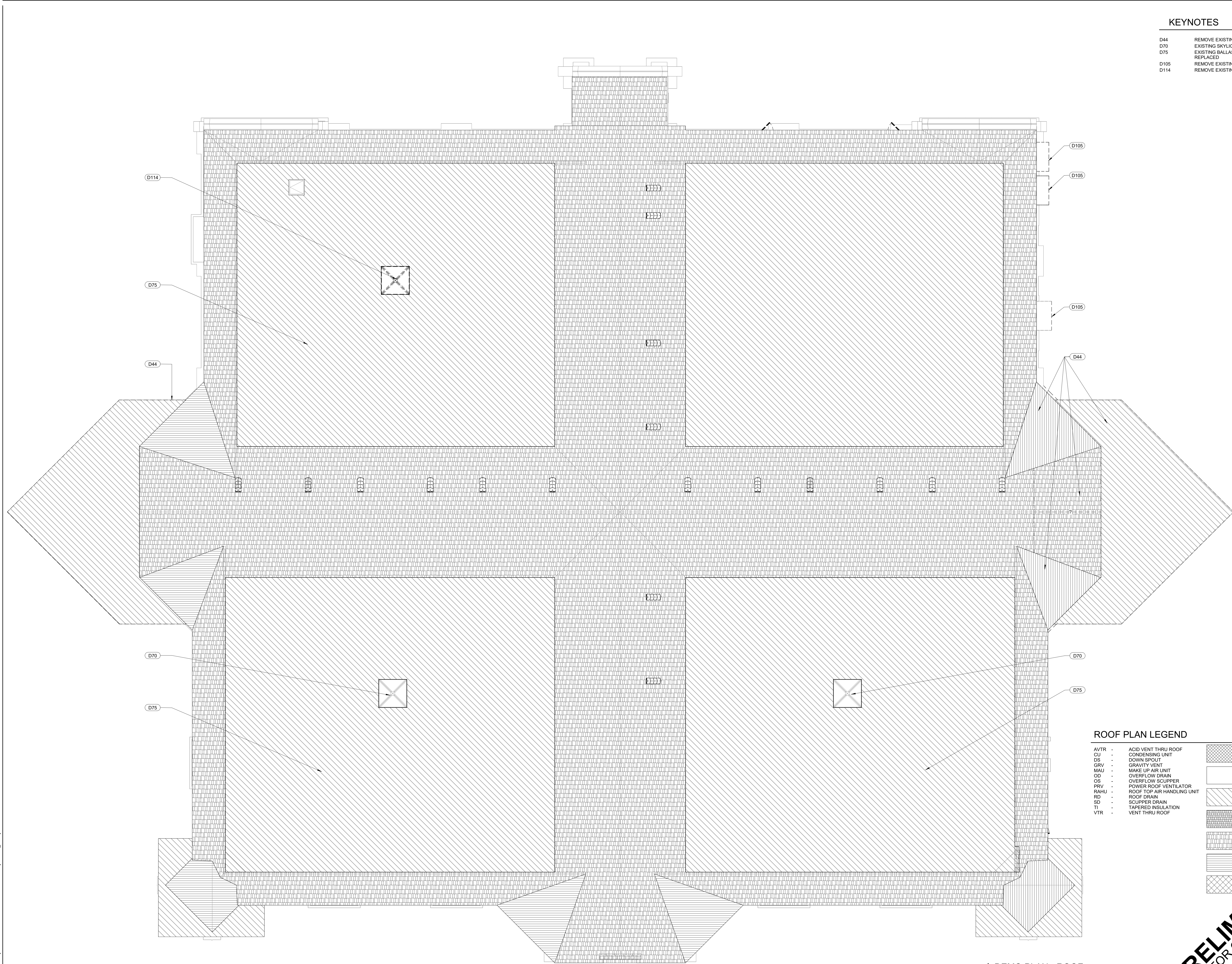
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DESIGN ENGINEERS

SHEET TITLE
 DEMOLITION REFLECTED CEILING PLAN

PROJECT TITLE
 CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED 12/07/2023
 REV. NO. DATE
 PROJECT NUMBER
 2023402
 SHEET
AD1.3



KEYNOTES

D44	REMOVE EXISTING ROOF
D70	EXISTING SKYLIGHT TO BE REPLACED
D75	EXISTING BALLAST ROOF TO BE REPLACED
D105	REMOVE EXISTING AWNING
D114	REMOVE EXISTING SKYLIGHT

ROOF PLAN LEGEND

AVTR -	ACID VENT THRU ROOF		ROOF PAD
CU -	CONDENSING UNIT		NEW MEMBRANE ROOF
DS -	DOWN SPOUT		NEW BALLAST ROOF
GRV -	GRAVITY VENT		SLATE SHINGLES
MAU -	MAKE UP AIR UNIT		ASPHALT SHINGLES
OD -	OVERFLOW DRAIN		METAL ROOF
OS -	OVERFLOW SCUPPER		NO ROOF PENETRATIONS
PRV -	POWER ROOF VENTILATOR		AREA (NOT TO SCALE)
RAHU -	ROOF TOP AIR HANDLING UNIT		FACE OF WALL
RD -	ROOF DRAIN		WALL PENETRATIONS
SD -	SCUPPER DRAIN		
TI -	TAPERED INSULATION		
VTR -	VENT THRU ROOF		

1 DEMO PLAN - ROOF
SCALE: 1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
 SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION
 1350 LINNERTUD DRIVE
 SUN PRAIRIE, WI
 PROJECT NUMBER: 2023402
 SHEET: AD1.4
 DATE ISSUED: 12/07/2023
 REV. NO.: DATE


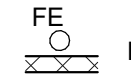
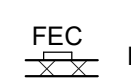
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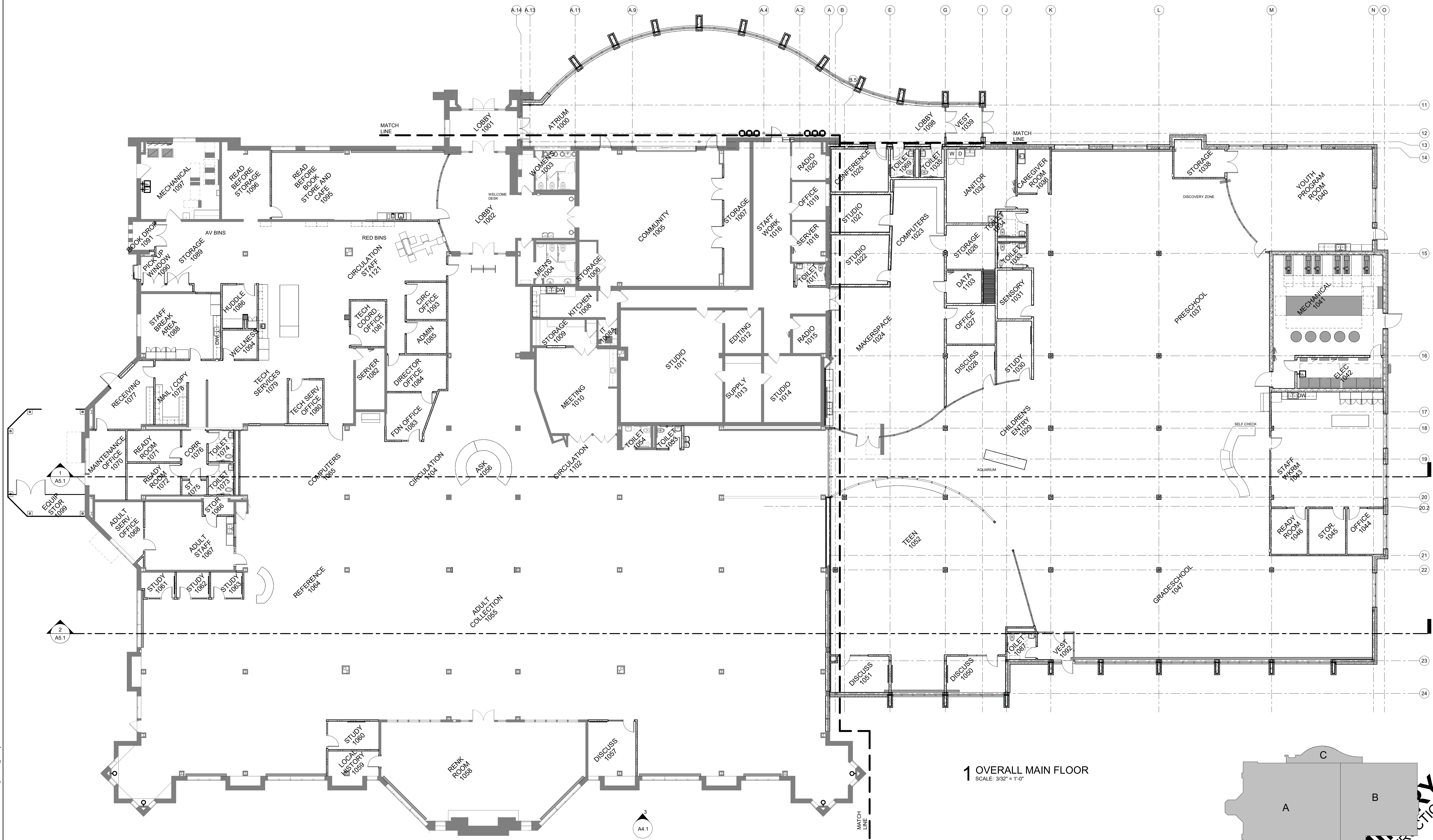
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FLOOR PLAN LEGEND

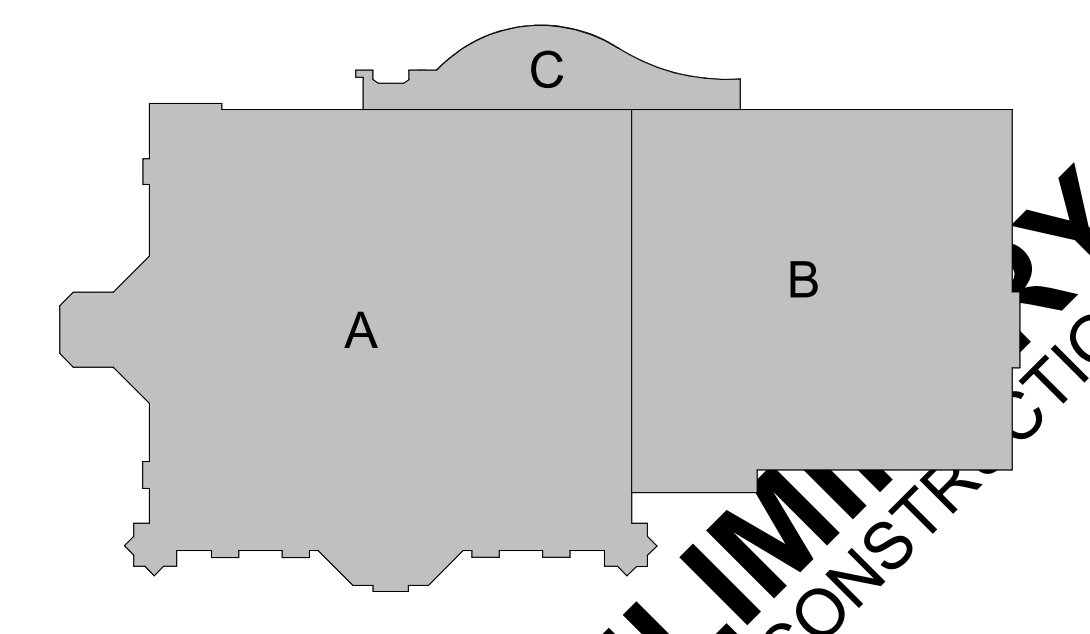
-  CORNER GUARD
-  FIRE EXTINGUISHER ON BRACKET (FE)
-  FIRE EXTINGUISHER CABINET (FEC)

WALL AND PARTITION NOTES


1. ALL WALL PARTITIONS ARE FULL HEIGHT U.O.N. SEE TYPICAL WALL TYPES.
2. AT TOP AND BOTTOM OF WALL, PROVIDE ACOUSTIC SEALANT AT WALLS WITH SOUND INSULATION AND FIRE-RATED SEALANT AT FIRE RATED WALLS.
3. HOLD GYPSUM BOARD 1/2" OFF ALL SLABS AND STRUCTURE.
4. FIRE & SMOKE RATED PARTITIONS ARE SHOWN ON THE CODE PLANS AND/OR FLOOR PLANS. SEE TYPICAL WALL TYPES.
5. FILL CONCRETE MASONRY UNIT CORES WITH SAND AT ALL MECHANICAL ROOMS, PROVIDE SOLID BLOCKING BEHIND WALL MOUNTED GRAB BARS, RESTROOM ACCESSORIES, EQUIPMENT, CABINETS, SHELVES AND SIMILAR ITEMS ON GYPSUM BOARD PARTITIONS.
6. IN 1-HOUR RATED MASONRY WALLS, PROVIDE MINIMUM 4" SOLID MASONRY BEHIND RECESSED FIRE EXTINGUISHER CABINETS AND/OR ELECTRICAL CABINETS. IN RATED GYPSUM BOARD WALLS, PROVIDE RATED RECESSED FIRE EXTINGUISHER CABINETS.
7. CONTROL JOINTS NOT TO EXCEED 30" SPACING IN ANY DIRECTION FOR GYPSUM BOARD WALLS. WHERE CONTROL JOINTS ARE NOT DIMENSIONED, LOCATE JOINTS AT INTERSECTIONS OF INTERIOR WALLS AND COORDINATE WITH ARCHITECT. IF CONTROL JOINTS ARE NOT INDICATED ON THE FLOOR PLANS, CEILING PLANS, EXTERIOR ELEVATIONS, OR INTERIOR ELEVATIONS, OBTAIN APPROVAL OF LOCATIONS FROM THE ARCHITECT PRIOR TO CONSTRUCTION. SEE TYPICAL CONTROL JOINT DETAILS.
8. EXISTING WALLS ARE HATCHED SOLID GRAY, NEW WALLS ARE SHOWN BLACK.
9. DOOR HANDLE IS 6" OFF WALL, TYPICAL UNLESS NOTED OR DIMENSIONED OTHERWISE.



1 OVERALL MAIN FLOOR
SCALE: 3/32" = 1'-0"



KEY PLAN
PRELIMINARY
NOT FOR CONSTRUCTION




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IN ASSOCIATION WITH

SHEET TITLE

OVERALL FLOOR PLAN

PROJECT TITLE

CITY OF SUN PRAIRIE

SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION

1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/07/2023

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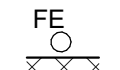

SHEET

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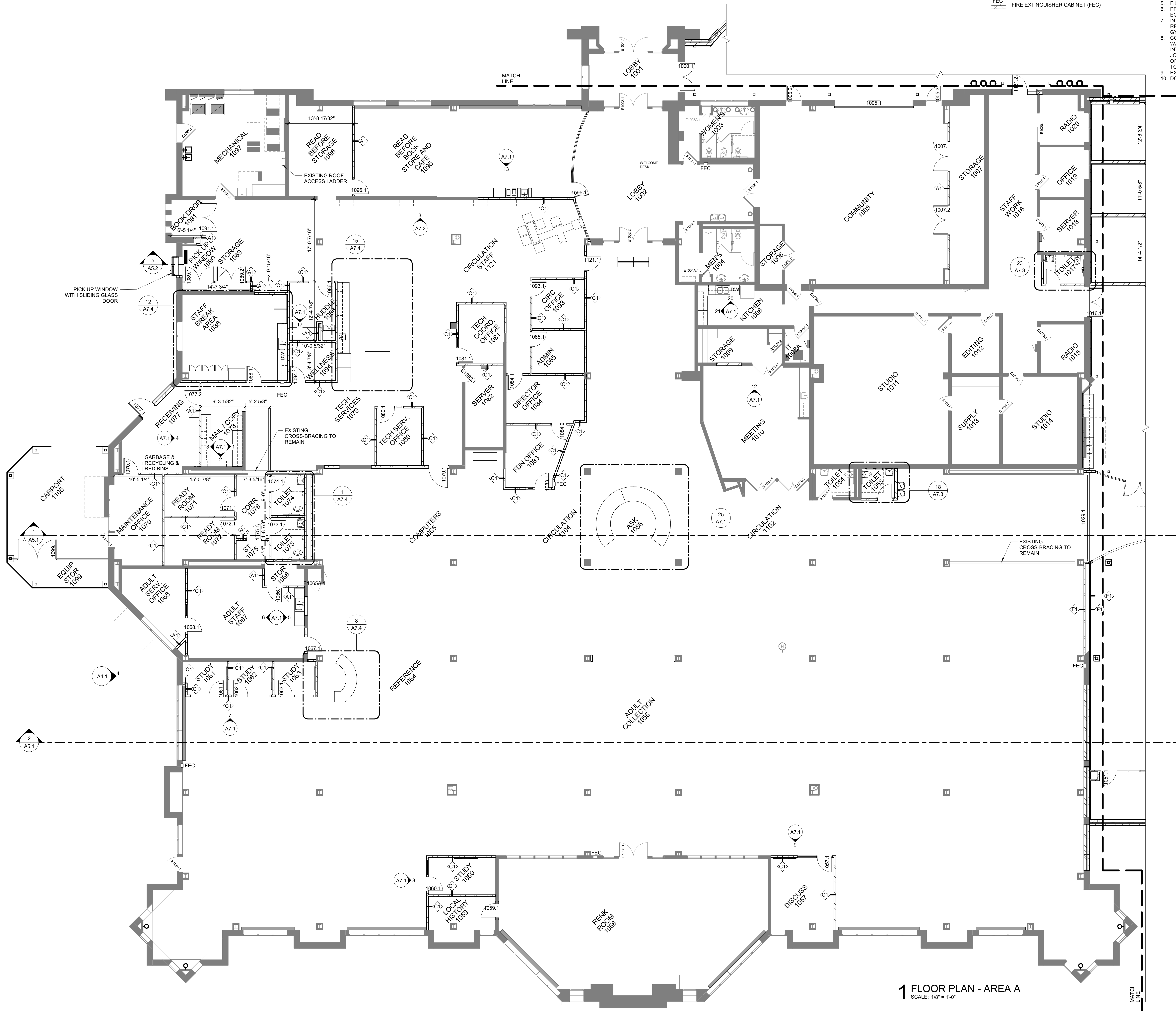
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FLOOR PLAN LEGEND

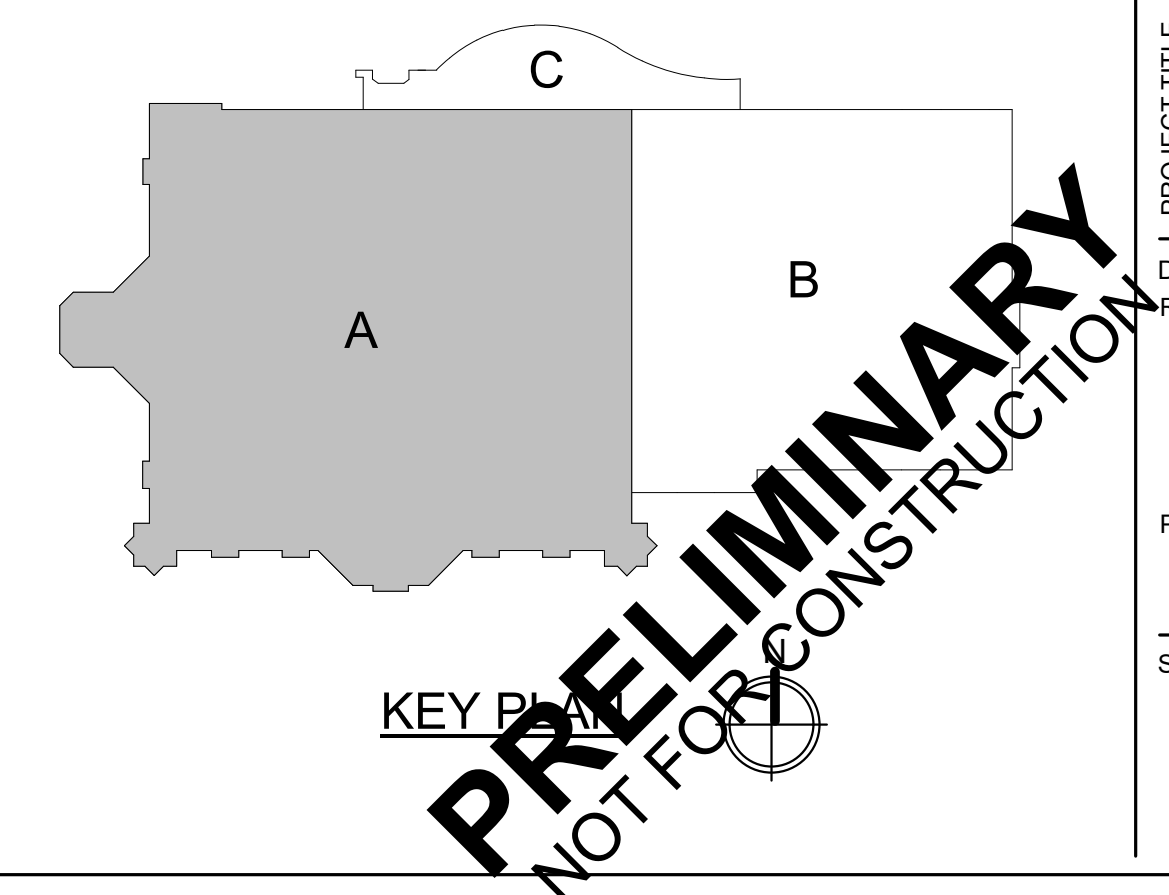
-  CORNER GUARD
-  FIRE EXTINGUISHER ON BRACKET (FE)
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WALL AND PARTITION NOTES

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5. FILL CONCRETE MASONRY UNIT CORES WITH SAND AT ALL MECHANICAL ROOMS.
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1 FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"

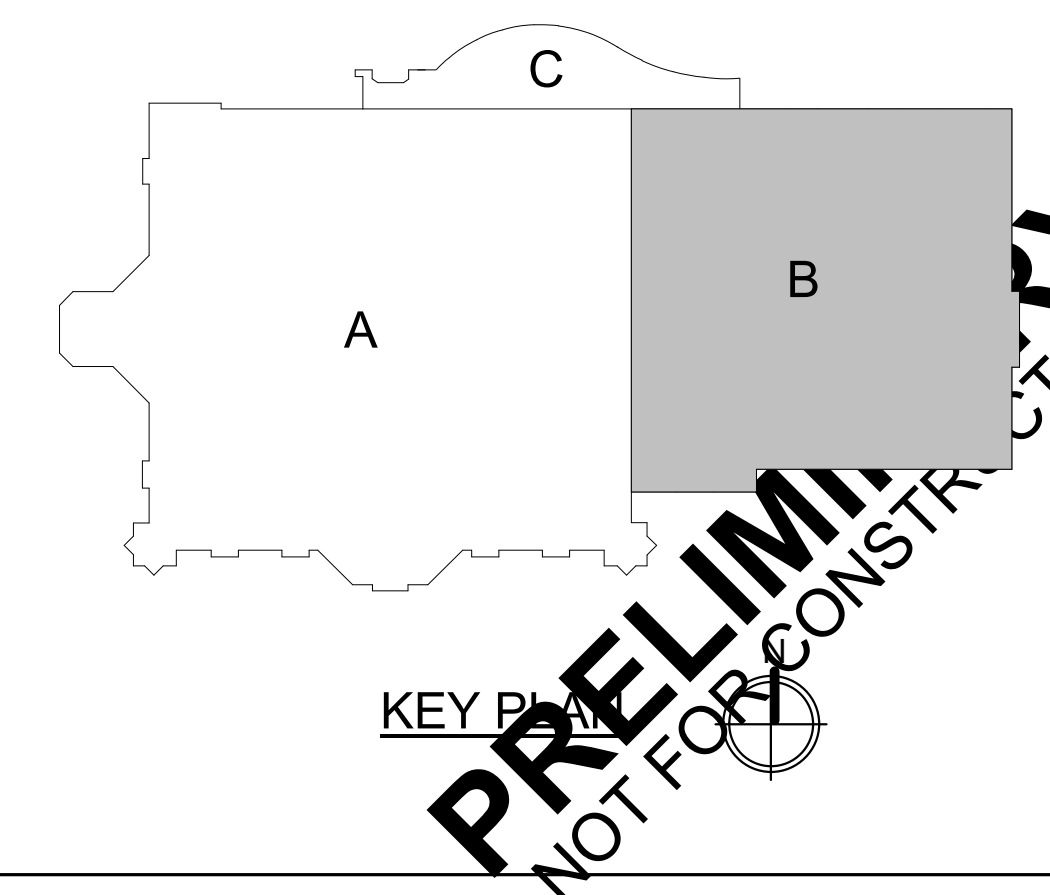
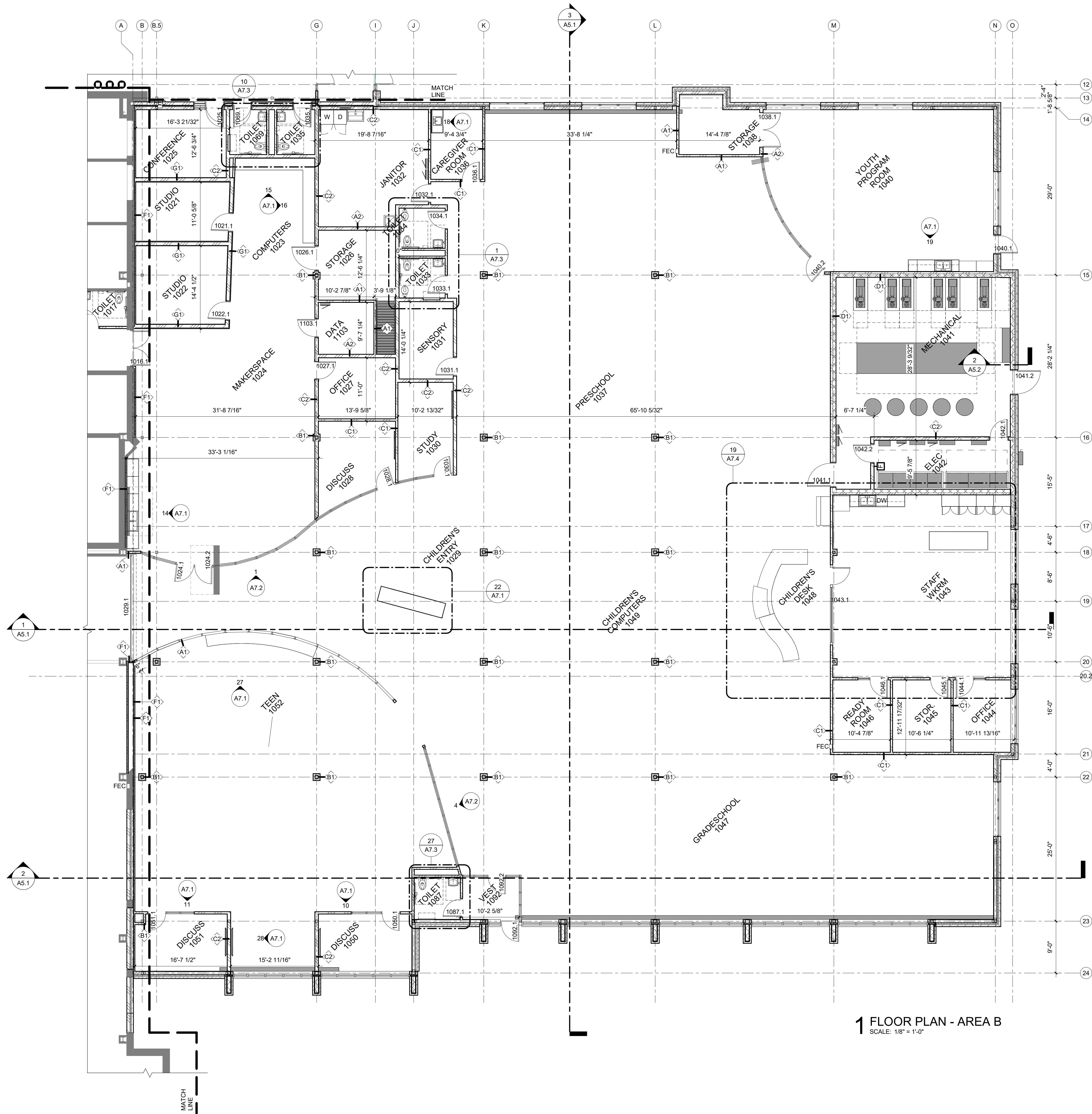


FLOOR PLAN LEGEND

- CORNER GUARD
- FIRE EXTINGUISHER ON BRACKET (FE)
- FIRE EXTINGUISHER CABINET (FEC)

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4. FIRE & SMOKE RATED PARTITIONS ARE SHOWN ON THE CODE PLANS AND/OR FLOOR PLANS. SEE TYPICAL WALL TYPES.
5. FILL CONCRETE MASONRY UNIT CORES WITH SAND AT ALL MECHANICAL ROOMS.
6. PROVIDE SOLID BLOCKING BEHIND WALL MOUNTED GRAB BARS, RESTROOM ACCESSORIES, EQUIPMENT, CABINETS, SHELVES AND SIMILAR ITEMS ON GYPSUM BOARD PARTITIONS.
7. IN 1-HOUR RATED MASONRY WALLS, PROVIDE MINIMUM 4" SOLID MASONRY BEHIND RECESSED FIRE EXTINGUISHER CABINETS AND/OR ELECTRICAL CABINETS. IN RATED GYPSUM BOARD WALLS, PROVIDE RATED RECESSED FIRE EXTINGUISHER CABINETS.
8. CONTROL JOINTS NOT TO EXCEED 30" SPACING IN ANY DIRECTION FOR GYPSUM BOARD WALLS. WHERE CONTROL JOINTS ARE NOT DIMENSIONED, LOCATE JOINTS AT INTERSECTIONS OF INTERIOR WALLS AND COORDINATE WITH ARCHITECT. IF CONTROL JOINTS ARE NOT INDICATED ON THE FLOOR PLANS, CEILING PLANS, EXTERIOR ELEVATIONS, OR INTERIOR ELEVATIONS, OBTAIN APPROVAL OF LOCATIONS FROM THE ARCHITECT PRIOR TO CONSTRUCTION. SEE TYPICAL CONTROL JOINT DETAILS.
9. EXISTING WALLS ARE HATCHED SOLID GRAY. NEW WALLS ARE SHOWN BLACK.
10. DOOR HANDLE IS 6" OFF WALL, TYPICAL, UNLESS NOTED OR DIMENSIONED OTHERWISE.

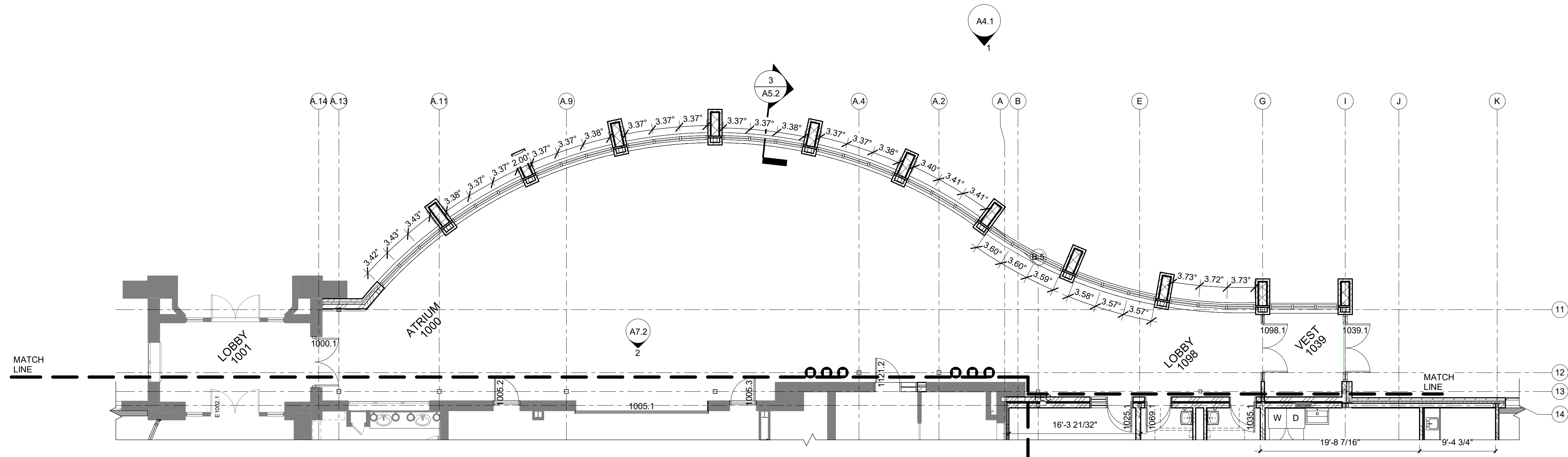


WALL AND PARTITION NOTES

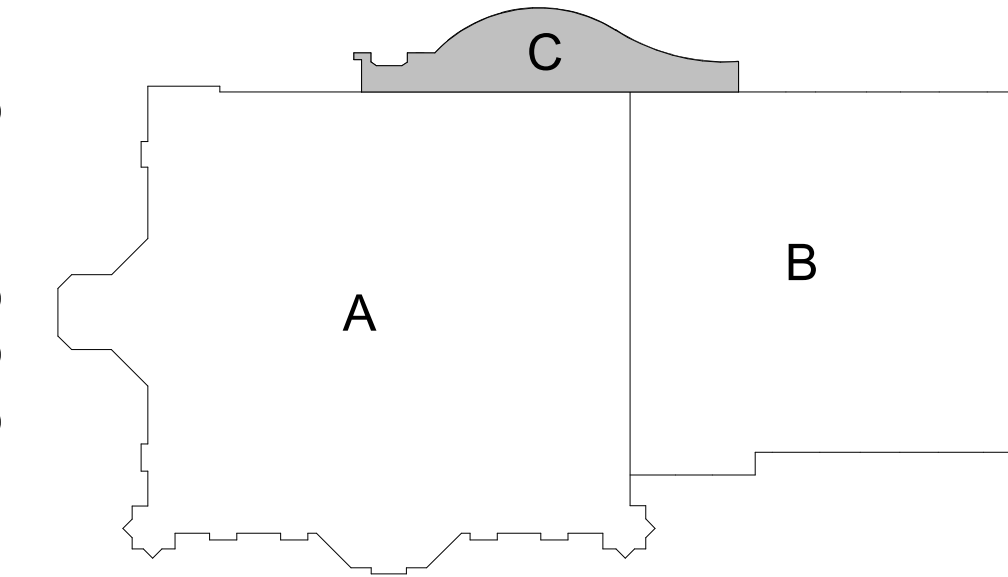
1. ALL WALL PARTITIONS ARE FULL HEIGHT U.O.N. SEE TYPICAL WALL TYPES.
2. AT TOP AND BOTTOM OF WALL, PROVIDE ACOUSTIC SEALANT AT WALLS WITH SOUND INSULATION AND FIRE-RATED SEALANT AT FIRE RATED WALLS.
3. HOLD GYPSUM BOARD 1/2" OFF ALL SLABS AND STRUCTURE.
4. FIRE & SMOKE RATED PARTITIONS ARE SHOWN ON THE CODE PLANS AND/OR FLOOR PLANS. SEE TYPICAL WALL TYPES.
5. FILL CONCRETE MASONRY UNIT CORES WITH SAND AT ALL MECHANICAL ROOMS.
6. PROVIDE SOLID BLOCKING BEHIND WALL MOUNTED GRAB BARS, RESTROOM ACCESSORIES, EQUIPMENT, CABINETS, SHELVES AND SIMILAR ITEMS ON GYPSUM BOARD PARTITIONS.
7. IN 1-HOUR RATED MASONRY WALLS, PROVIDE MINIMUM 4" SOLID MASONRY BEHIND RECESSED FIRE EXTINGUISHER CABINETS AND/OR ELECTRICAL CABINETS. IN RATED GYPSUM BOARD WALLS, PROVIDE RATED RECESSED FIRE EXTINGUISHER CABINETS.
8. CONTROL JOINTS NOT TO EXCEED 30" SPACING IN ANY DIRECTION FOR GYPSUM BOARD WALLS. WHERE CONTROL JOINTS ARE NOT DIMENSIONED, LOCATE JOINTS AT INTERSECTIONS OF INTERIOR WALLS AND COORDINATE WITH ARCHITECT. IF CONTROL JOINTS ARE NOT INDICATED ON THE FLOOR PLANS, CEILING PLANS, EXTERIOR ELEVATIONS, OR INTERIOR ELEVATIONS, OBTAIN APPROVAL OF LOCATIONS FROM THE ARCHITECT PRIOR TO CONSTRUCTION. SEE TYPICAL CONTROL JOINT DETAILS.
9. EXISTING WALLS ARE HATCHED SOLID GRAY, NEW WALLS ARE SHOWN BLACK.
10. DOOR HANDLE IS 6" OFF WALL, TYPICAL, UNLESS NOTED OR DIMENSIONED OTHERWISE.

FLOOR PLAN LEGEND

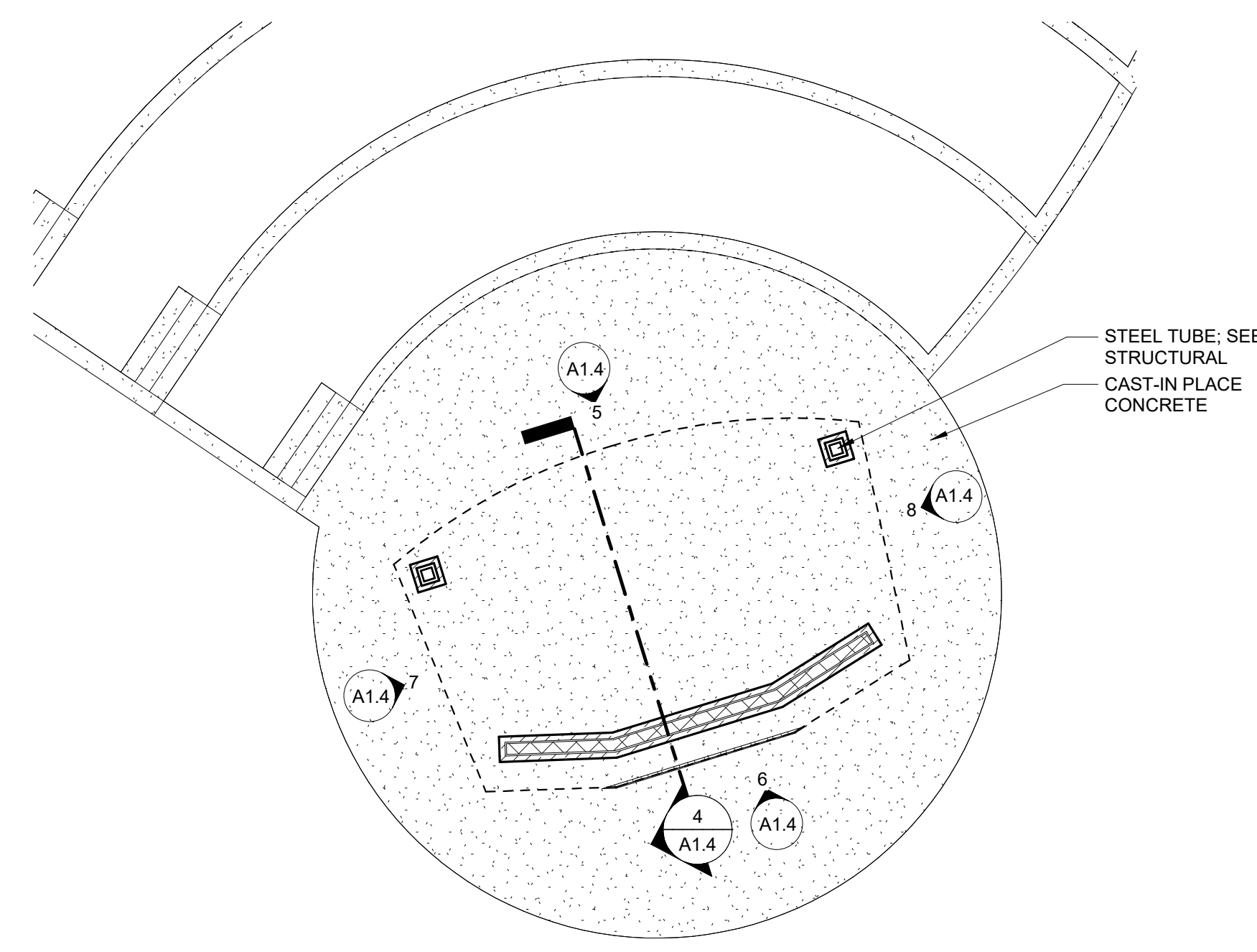
- CORNER GUARD
- FIRE EXTINGUISHER ON BRACKET (FE)
- FIRE EXTINGUISHER CABINET (FEC)



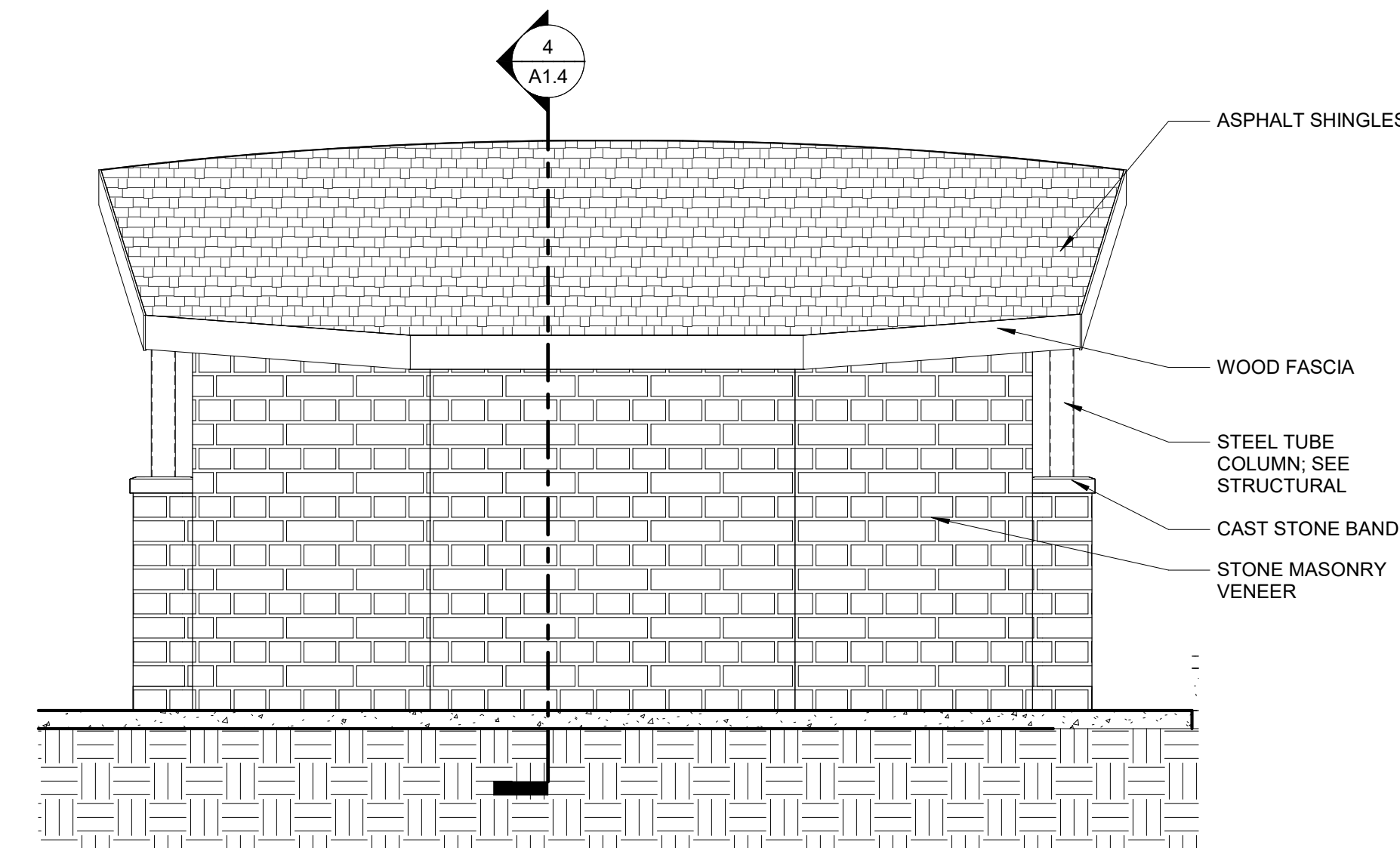
1 FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



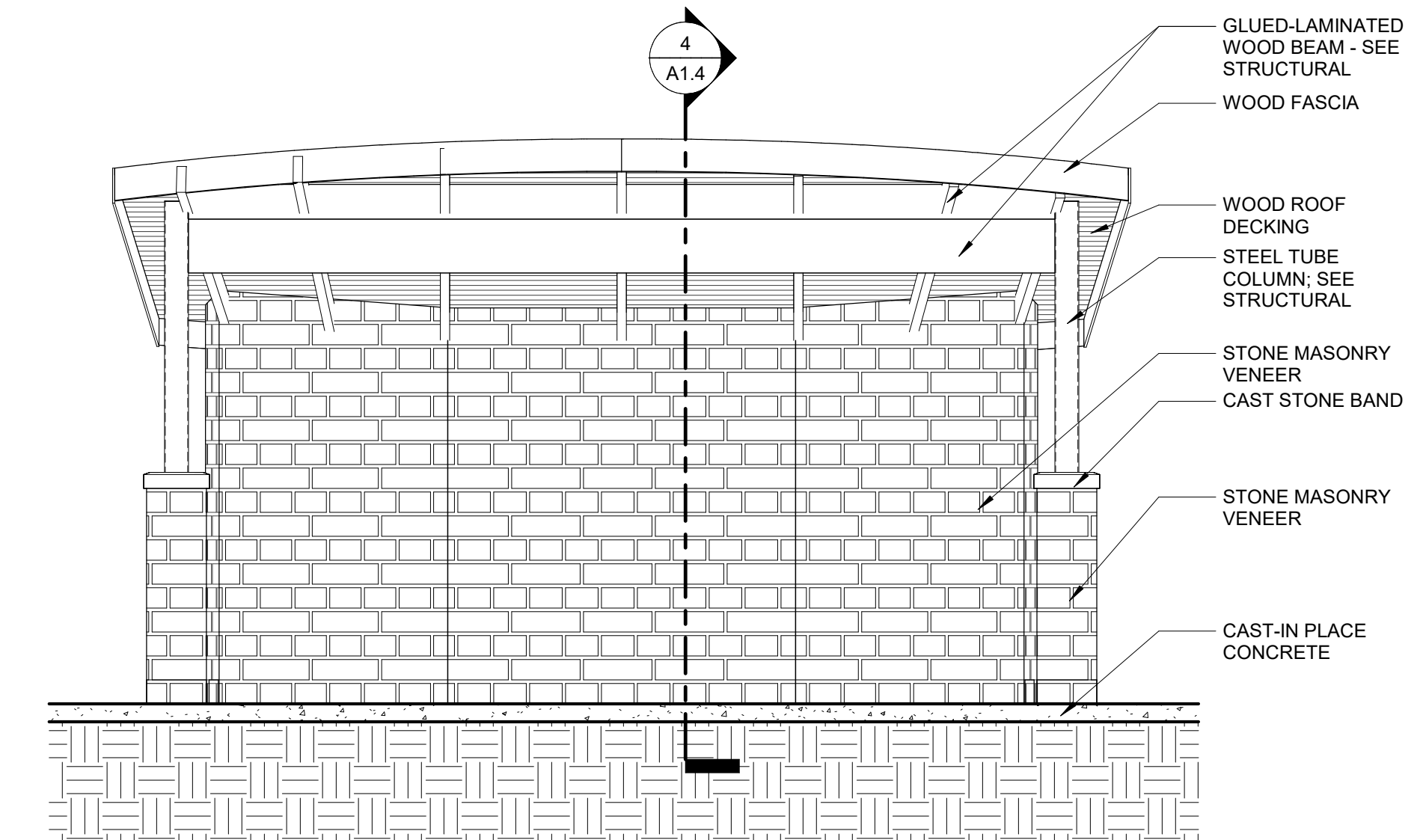
KEY PLAN



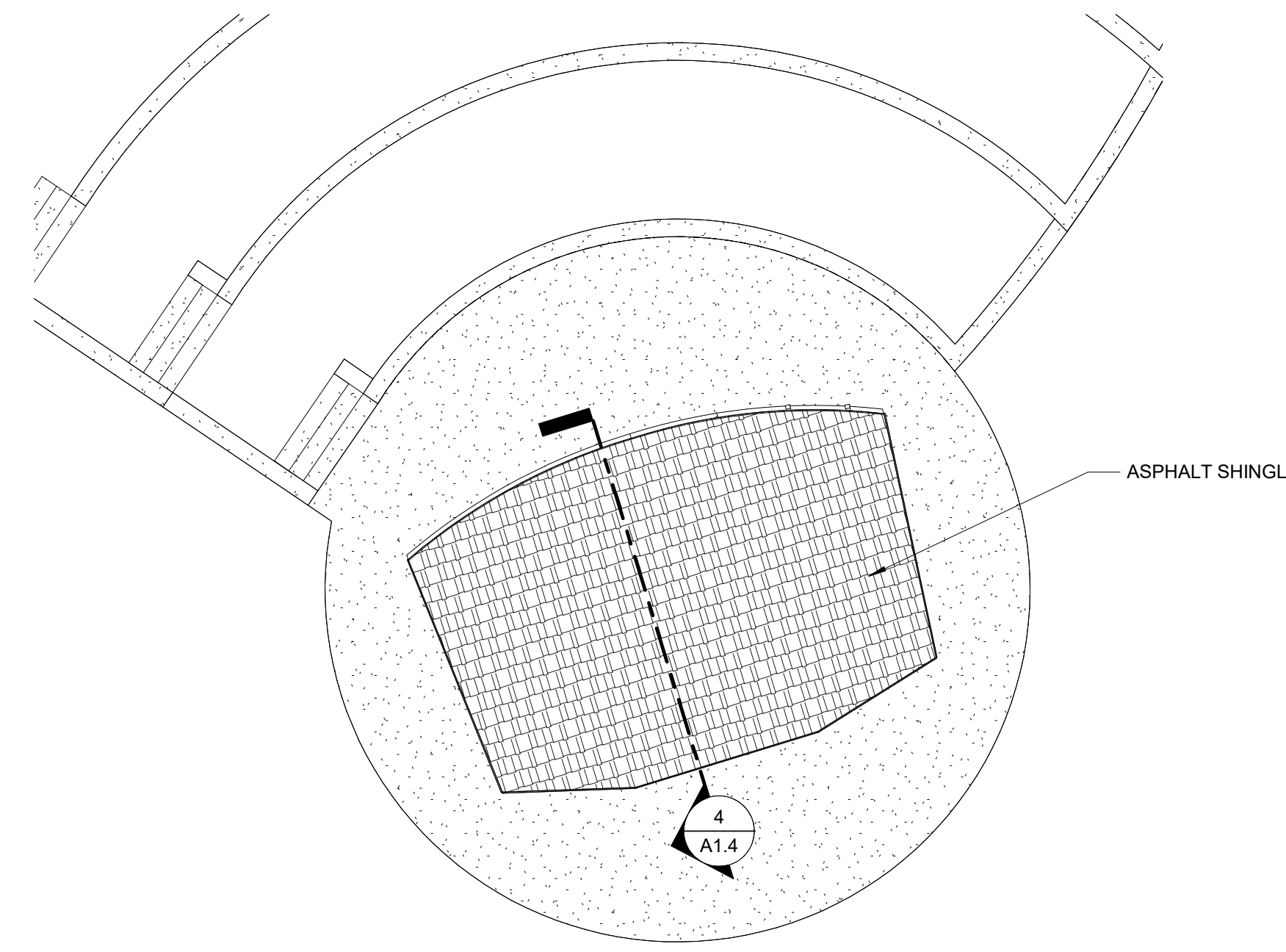
2 BAND SHELL PLAN
SCALE: 1/8" = 1'-0"



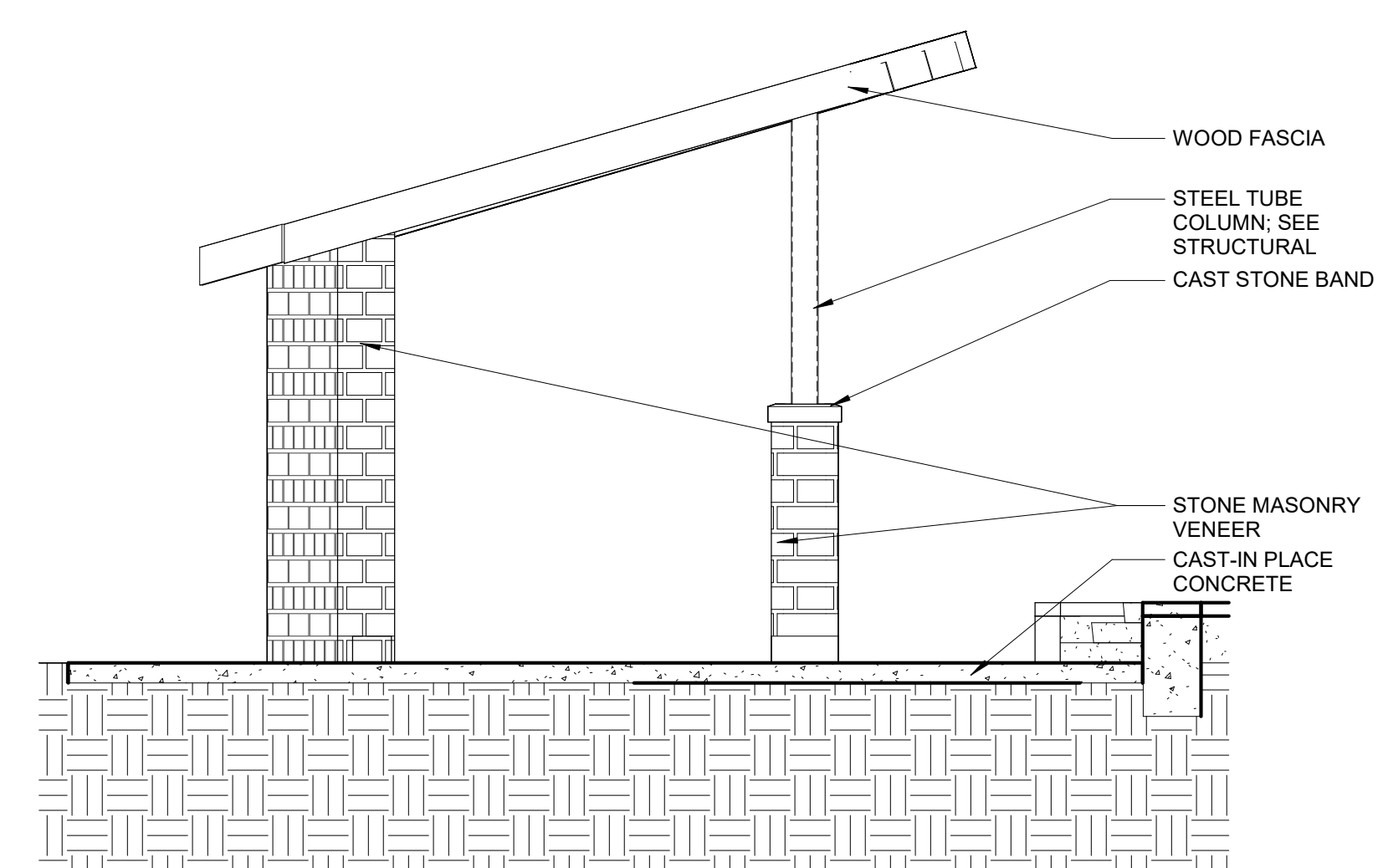
6 BAND SHELL SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



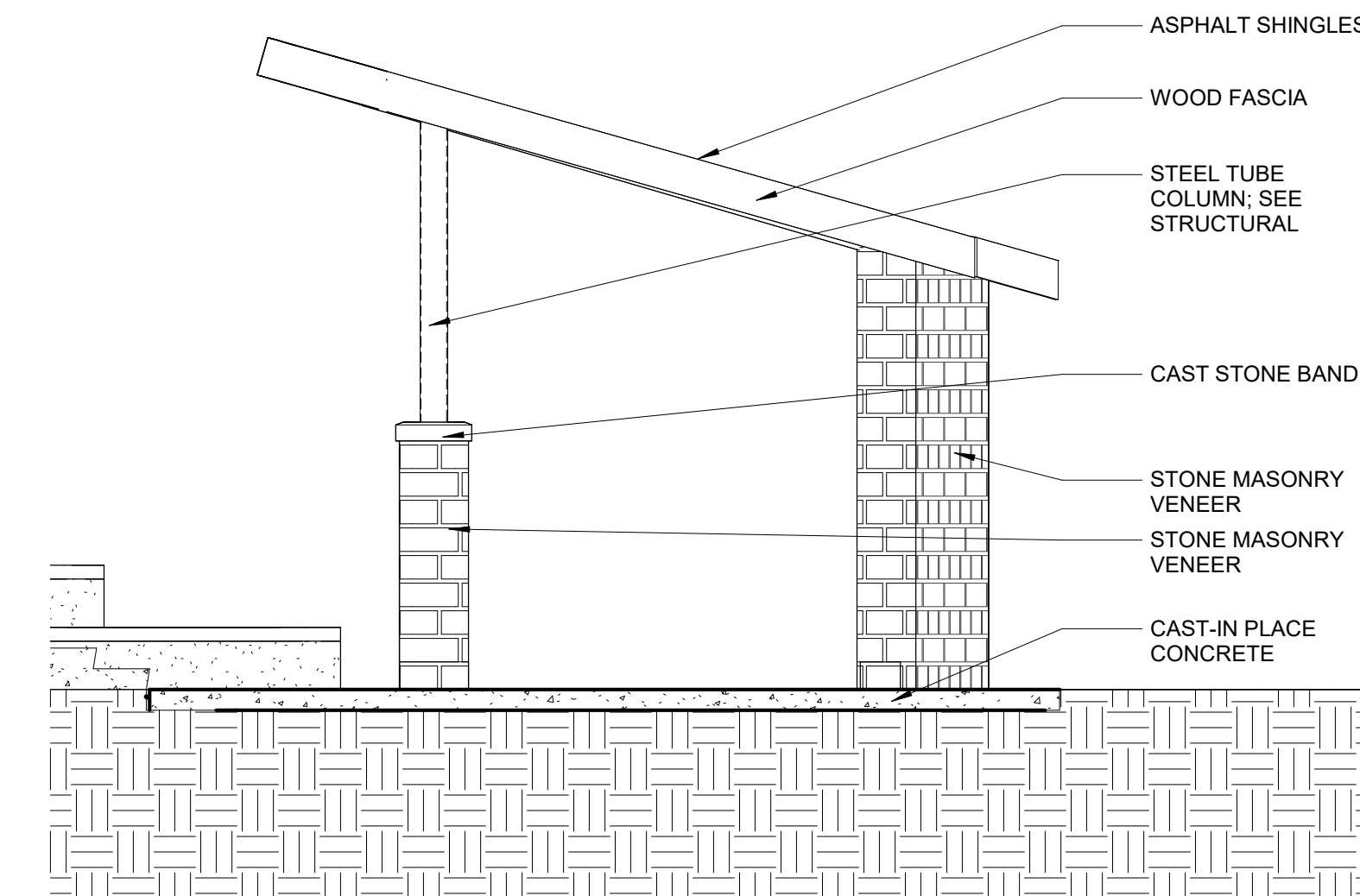
5 BAND SHELL NORTH ELEVATION
SCALE: 1/4" = 1'-0"



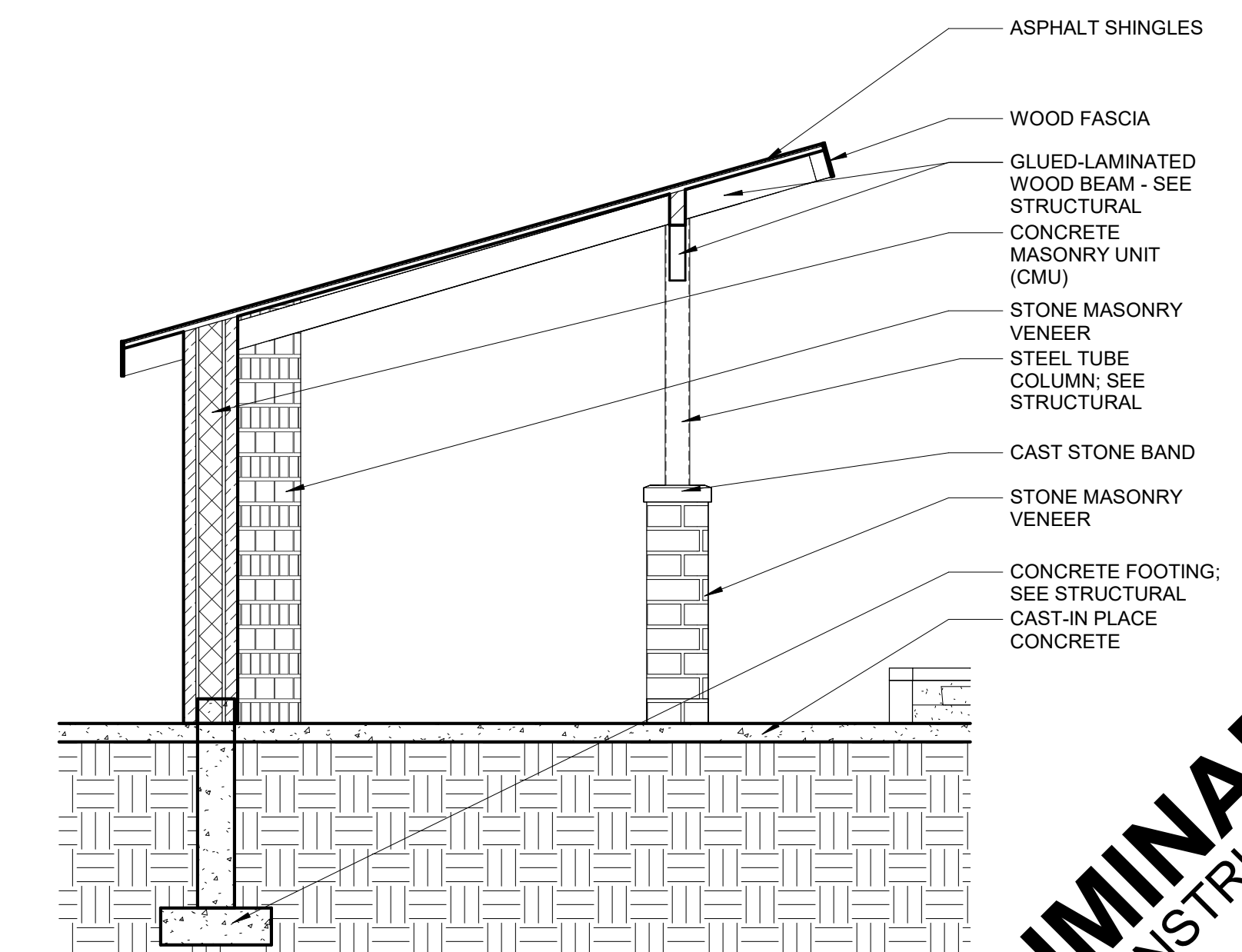
3 BAND SHELL ROOF PLAN
SCALE: 1/8" = 1'-0"



8 BAND SHELL EAST ELEVATION
SCALE: 1/4" = 1'-0"



7 BAND SHELL WEST ELEVATION
SCALE: 1/4" = 1'-0"



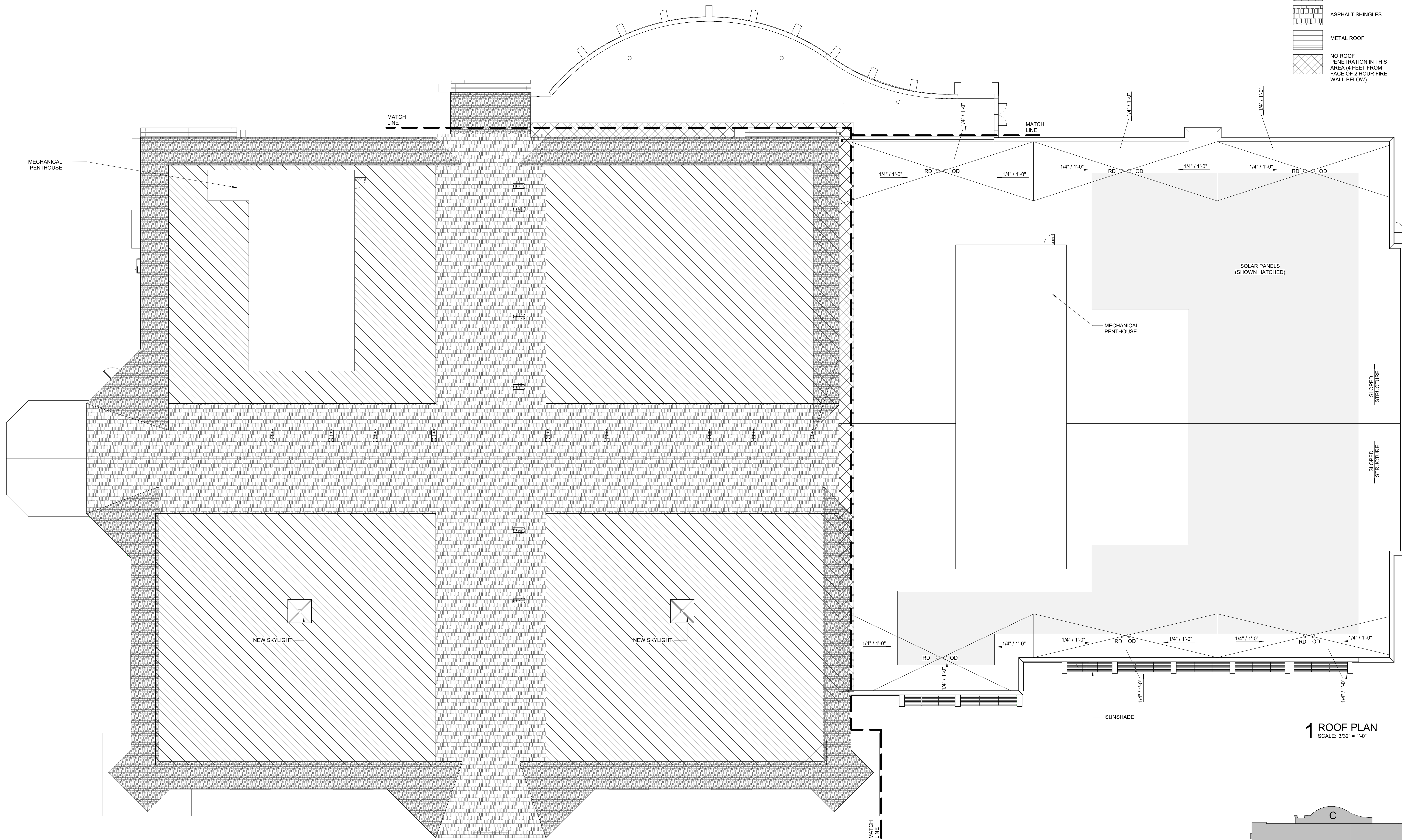
4 BAND SHELL SECTION
SCALE: 1/4" = 1'-0"

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FEH DESIGN
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 DESIGN ENGINEERS
 IN ASSOCIATION WITH

SHEET TITLE
 FLOOR PLAN - AREA C

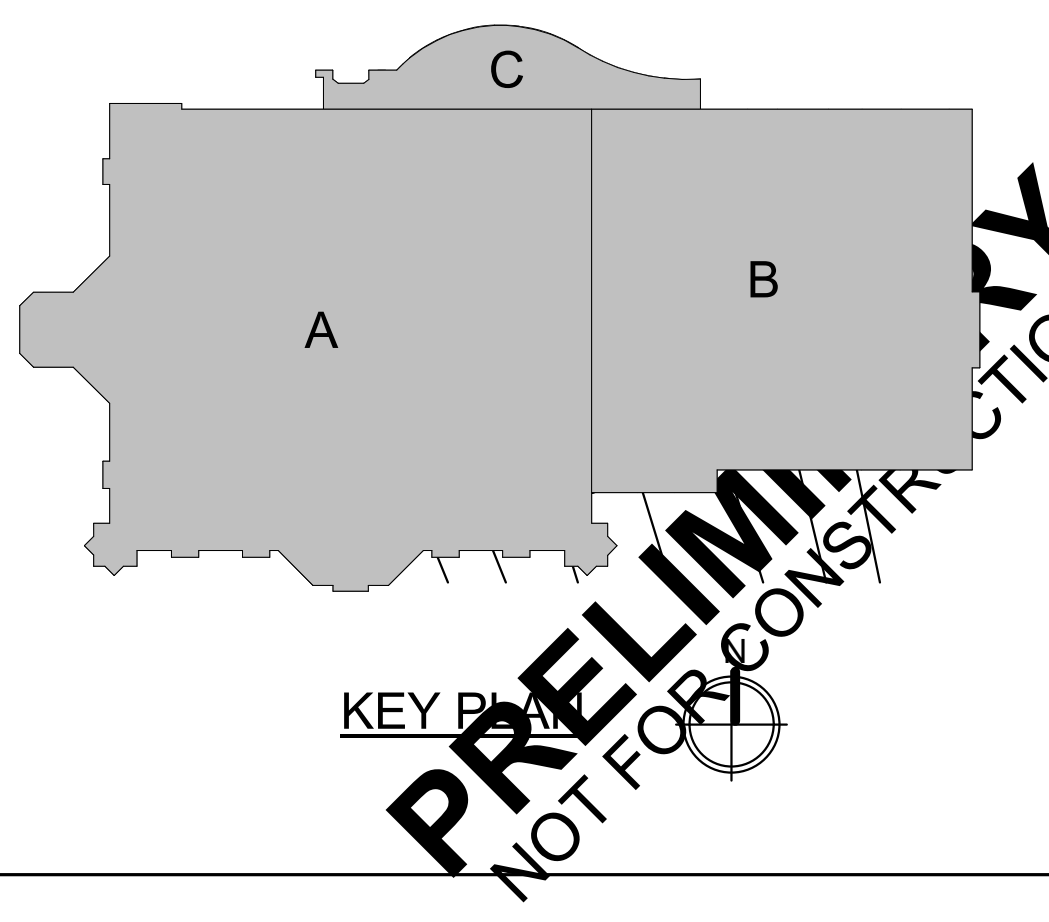
PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI
 DATE ISSUED: 12/07/2023
 REV. NO. DATE
 PROJECT NUMBER: 2023402
 SHEET: A1.4




ROOF PLAN LEGEND

AVTR - ACID VENT THRU ROOF	ROOF PAD
CU - CONDENSING UNIT	NEW MEMBRANE ROOF
DS - DOWN SPOUT	NEW BALLAST ROOF
GRV - GRAVITY VENT	SLATE SHINGLES
MAU - MAKE UP AIR UNIT	ASPHALT SHINGLES
OD - OVERFLOW DRAIN	METAL ROOF
OS - OVERFLOW SCUPPER	NO ROOF PENETRATION IN THIS AREA (4 FEET FROM FACE OF 2 HOUR FIRE WALL BELOW)
PRV - POWER ROOF VENTILATOR	
RAHU - ROOF TOP AIR HANDLING UNIT	
RD - ROOF DRAIN	
SD - SCUPPER DRAIN	
TI - TAPERED INSULATION	
VTR - VENT THRU ROOF	


1 ROOF PLAN
SCALE: 3/32" = 1'-0"






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SHEET TITLE

OVERALL ROOF PLAN

PROJECT TITLE

CITY OF SUN PRAIRIE

SUN PRAIRIE PUBLIC LIBRARY

REMODEL AND ADDITION

1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED

12/07/2023

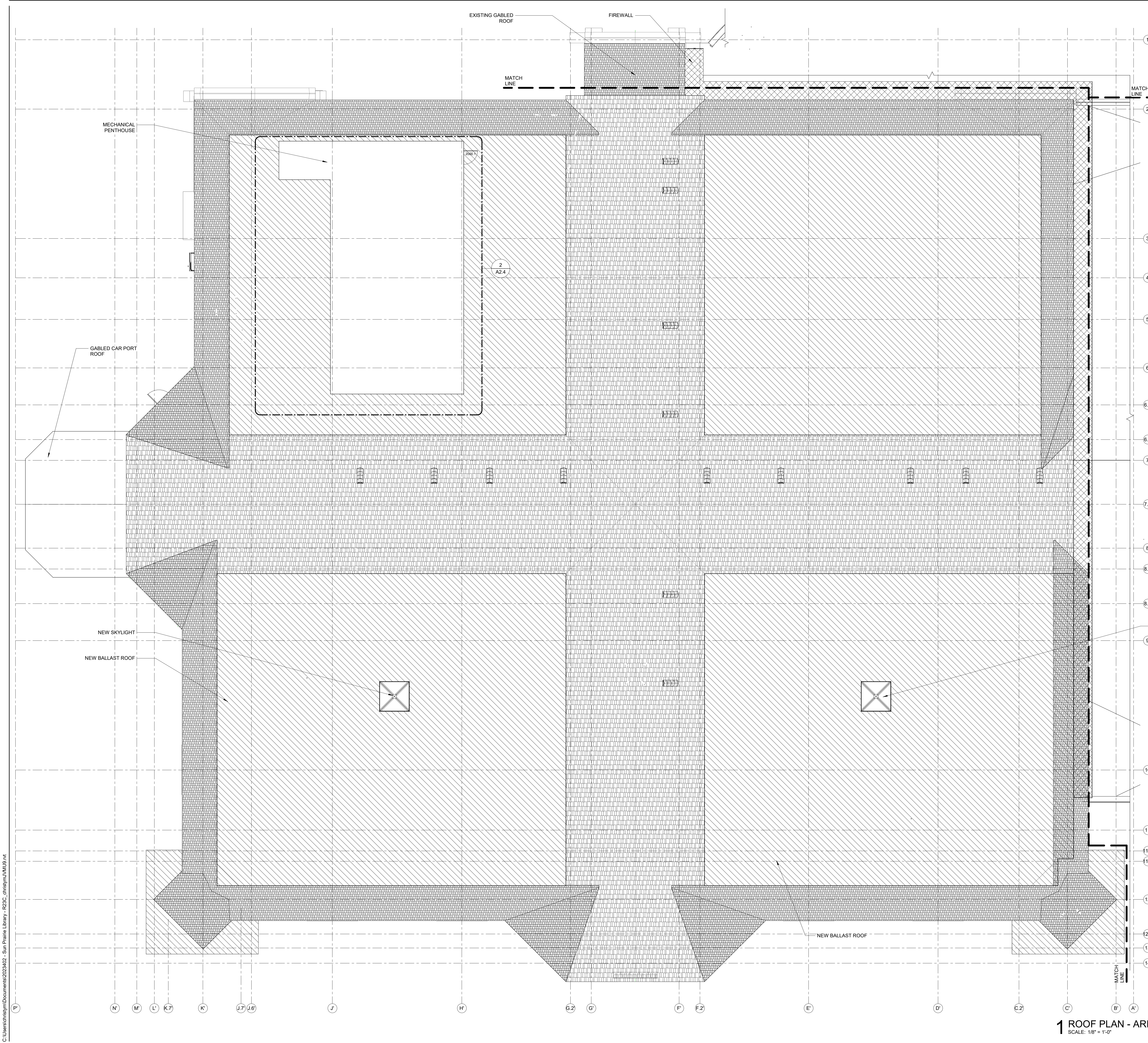
PROJECT NUMBER

2023402

DATE

SHEET

A2.1



ROOF PLAN LEGEND

AVTR	ACID VENT THRU ROOF		ROOF PAD
CU	CONDENSING UNIT		NEW MEMBRANE ROOF
DS	DOWN SPOUT		NEW BALLAST ROOF
GRV	GRAVITY VENT		SLATE SHINGLES
MAU	MAKE UP AIR UNIT		ASPHALT SHINGLES
OD	OVERFLOW DRAIN		METAL ROOF
OS	OVERFLOW SCUPPER		NO ROOF PENETRATION IN THIS AREA (4 FEET FROM FACE OF 2 HOUR FIRE WALL BELOW)
PRV	POWER ROOF VENTILATOR		
RAHU	ROOF TOP AIR HANDLING UNIT		
RD	ROOF DRAIN		
SD	SCUPPER DRAIN		
TI	TAPERED INSULATION		
VTR	VENT THRU ROOF		

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SHEET TITLE

ROOF PLAN - AREA A

PROJECT TITLE

SUN PRAIRIE PUBLIC LIBRARY REMODEL AND ADDITION

1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

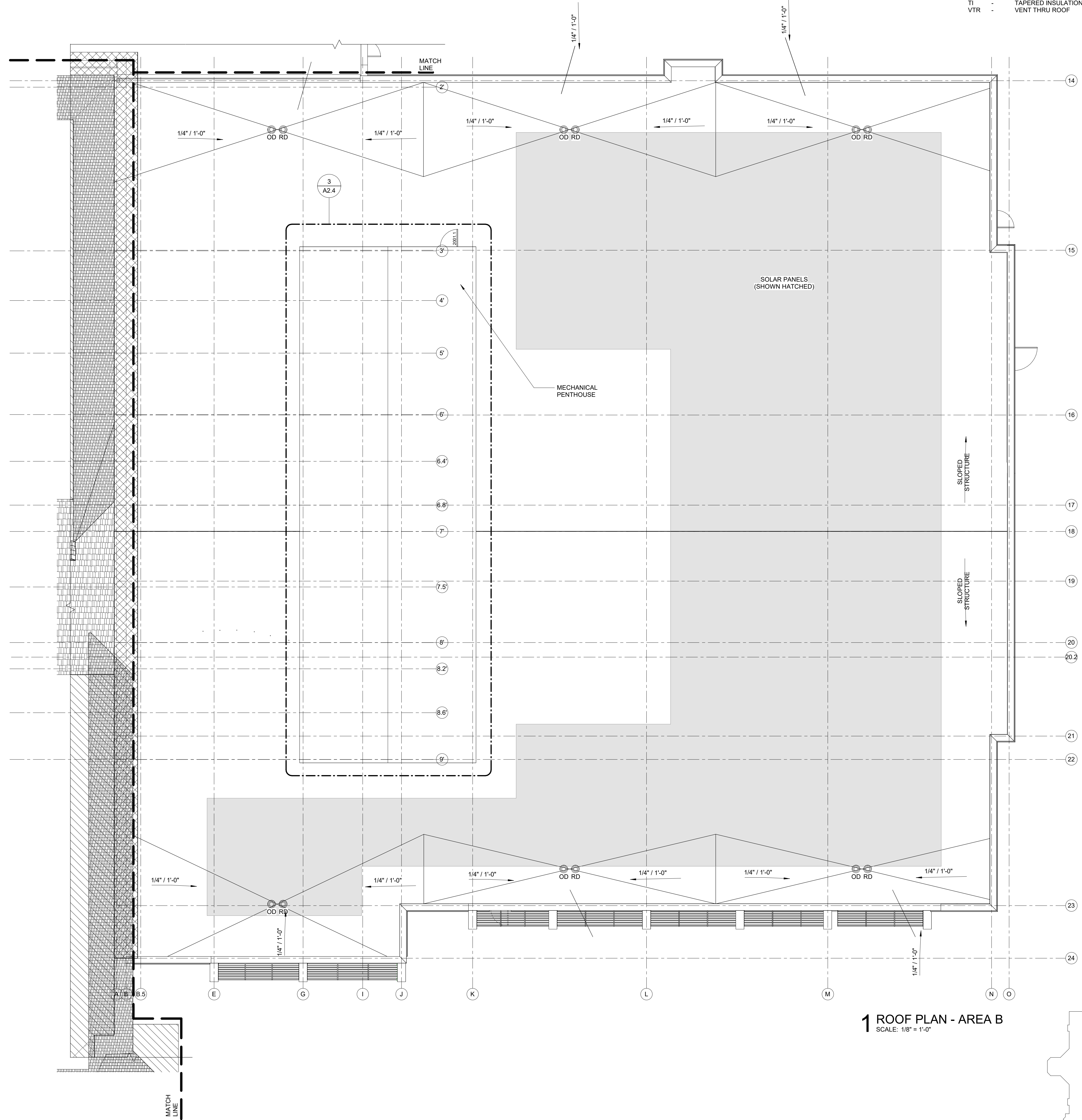
DATE ISSUED 12/07/2023
 REV. NO. DATE

PROJECT NUMBER
 2023402

SHEET
A2.2

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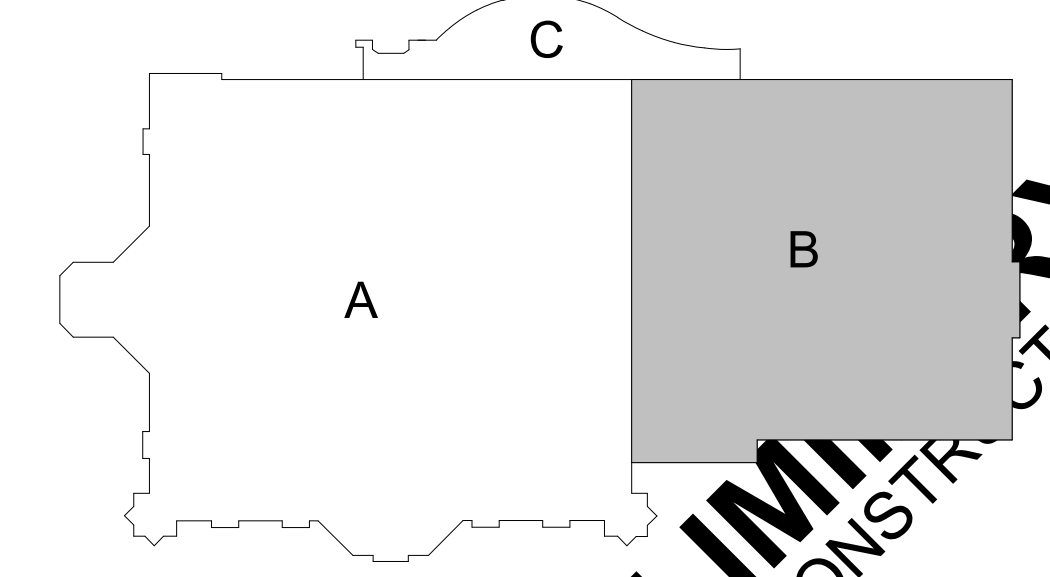
1 ROOF PLAN - AREA A
 SCALE: 1/8" = 1'-0"



ROOF PLAN LEGEND

- | | | | |
|------|----------------------------|--|---|
| AVTR | ACID VENT THRU ROOF | | ROOF PAD |
| CU | CONDENSING UNIT | | NEW MEMBRANE ROOF |
| DS | DOWN SPOUT | | NEW BALLAST ROOF |
| GRV | GRAVITY VENT | | SLATE SHINGLES |
| MAU | MAKE UP AIR UNIT | | ASPHALT SHINGLES |
| OD | OVERFLOW DRAIN | | METAL ROOF |
| OS | OVERFLOW SCUPPER | | NO ROOF PENETRATION IN THIS AREA (4 FEET FROM FACE OF 2 HOUR FIRE WALL BELOW) |
| PRV | POWER ROOF VENTILATOR | | |
| RAHU | ROOF TOP AIR HANDLING UNIT | | |
| RD | ROOF DRAIN | | |
| SD | SCUPPER DRAIN | | |
| TI | TAPERED INSULATION | | |
| VTR | VENT THRU ROOF | | |

1 ROOF PLAN - AREA B
SCALE: 1/8" = 1'-0"



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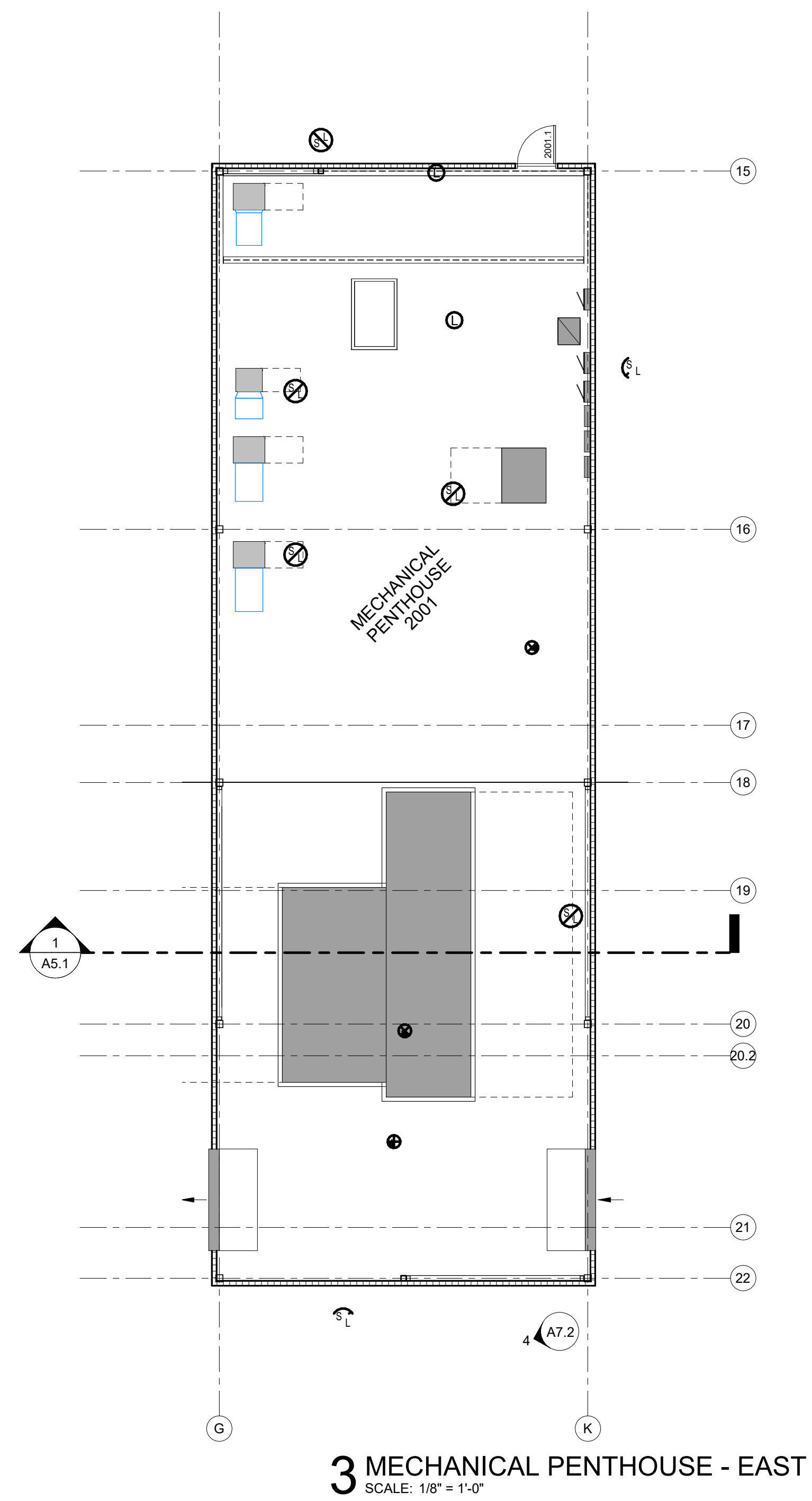
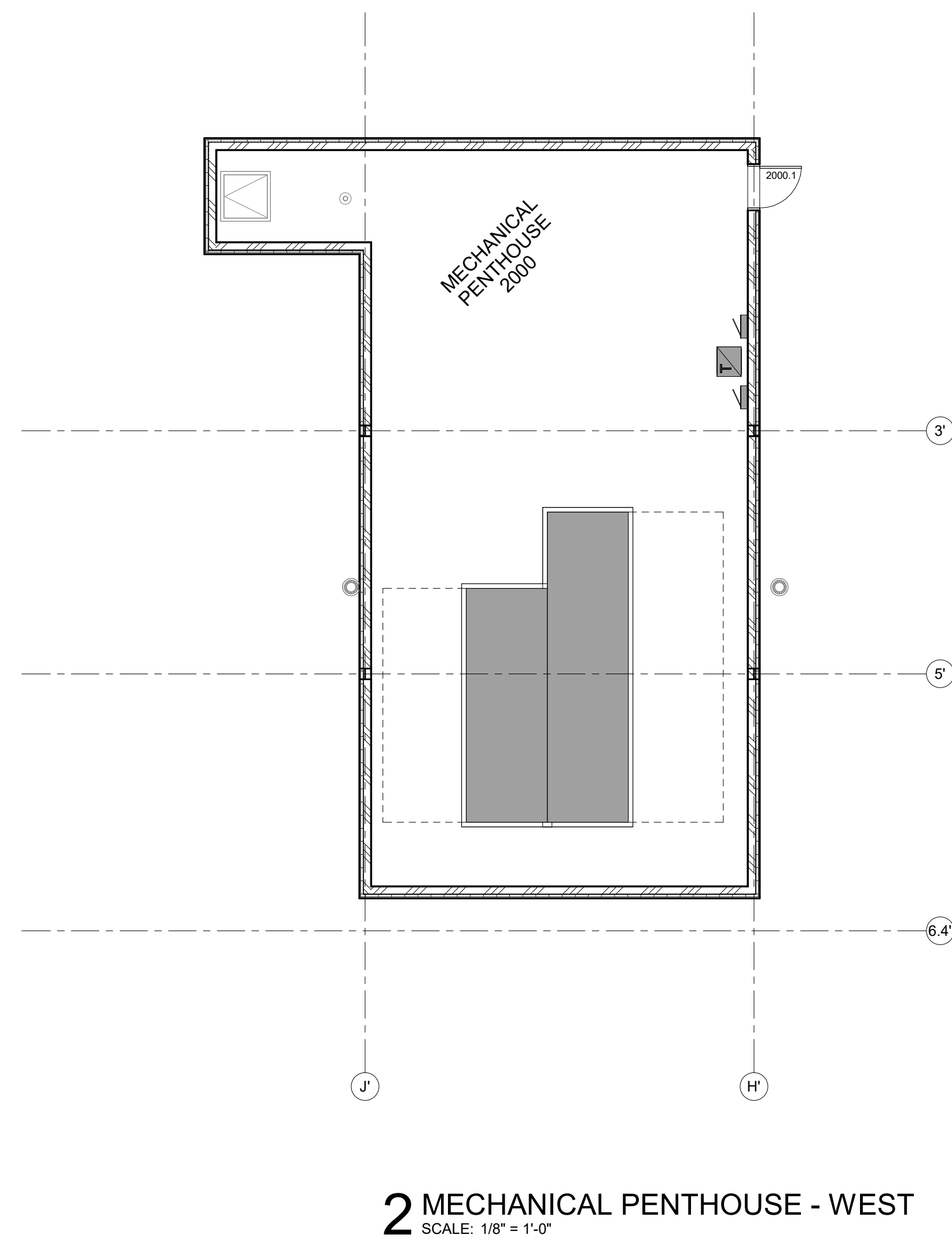
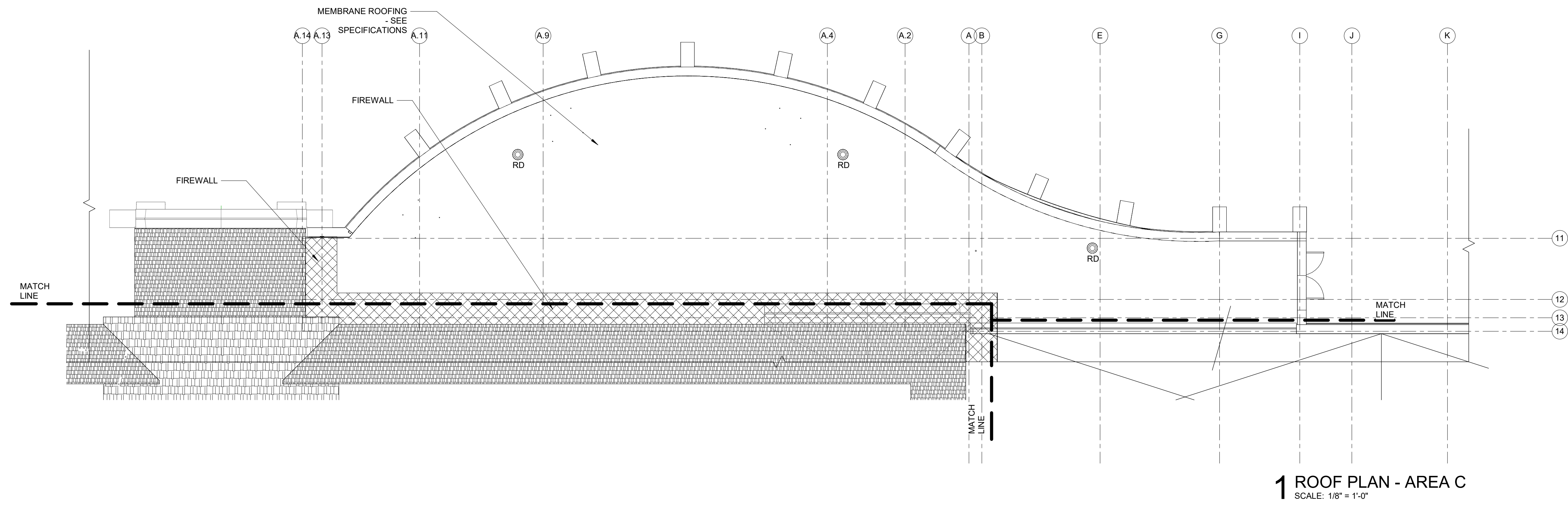
SHEET TITLE
ROOF PLAN - AREA B

PROJECT TITLE
**CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/07/2023
REV. NO. DATE

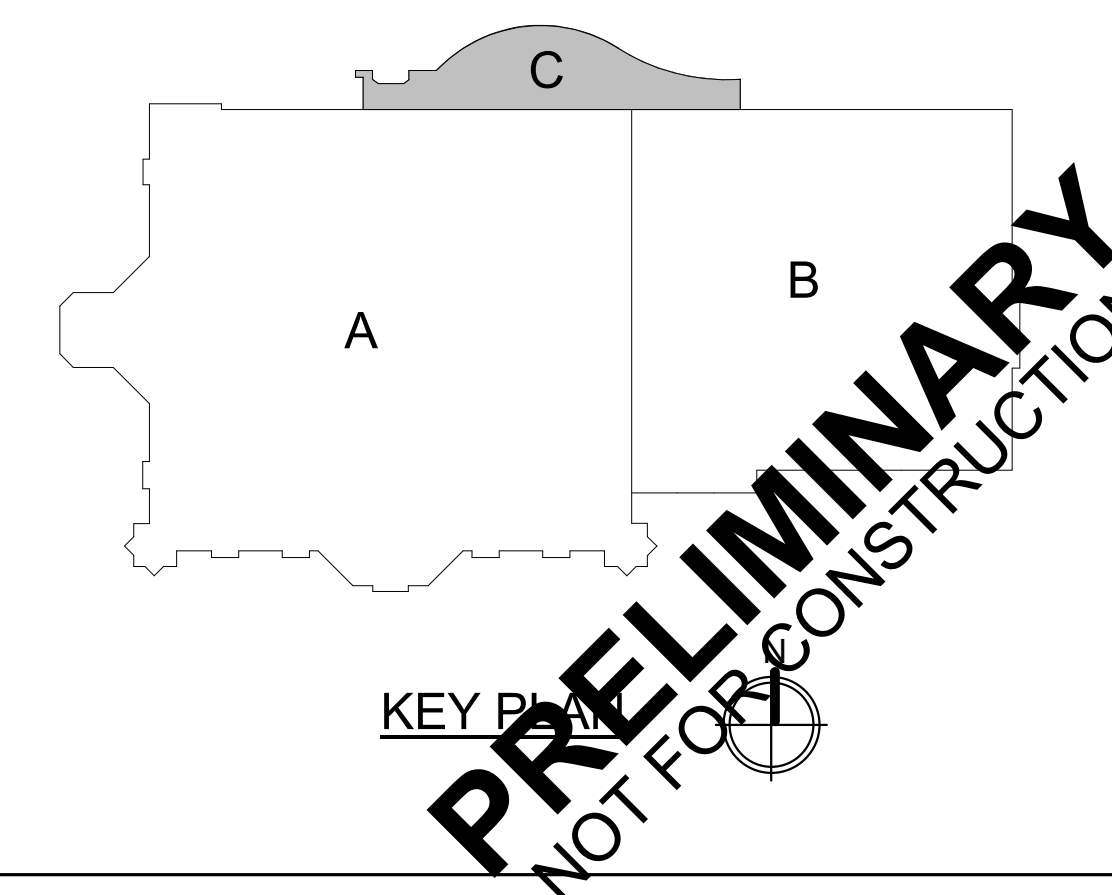
PROJECT NUMBER
2023402

SHEET
A2.3



ROOF PLAN LEGEND

AVTR	ACID VENT THRU ROOF	[Cross-hatch pattern]	ROOF PAD
CU	CONDENSING UNIT	[White box]	NEW MEMBRANE ROOF
DS	DOWN SPOUT	[Diagonal lines]	NEW BALLAST ROOF
GRV	GRAVITY VENT	[Grid pattern]	SLATE SHINGLES
MAU	MAKE UP AIR UNIT	[Cross-hatch pattern]	ASPHALT SHINGLES
OD	OVERFLOW DRAIN	[Horizontal lines]	METAL ROOF
OS	OVERFLOW SCUPPER	[White box]	NO ROOF PENETRATION IN THIS AREA (4 FEET FROM FACE OF 2 HOUR FIRE WALL BELOW)
PRV	POWER ROOF VENTILATOR		
RAHU	ROOF TOP AIR HANDLING UNIT		
RD	ROOF DRAIN		
SD	SCUPPER DRAIN		
TI	TAPERED INSULATION		
VTR	VENT THRU ROOF		



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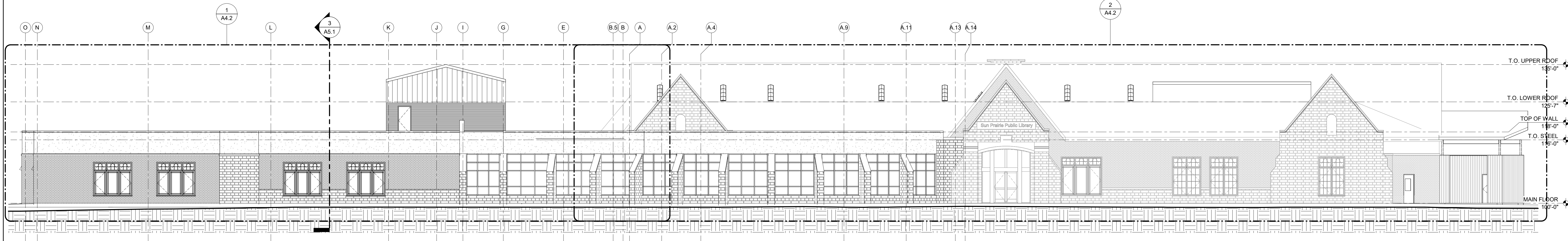
IN ASSOCIATION WITH

CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

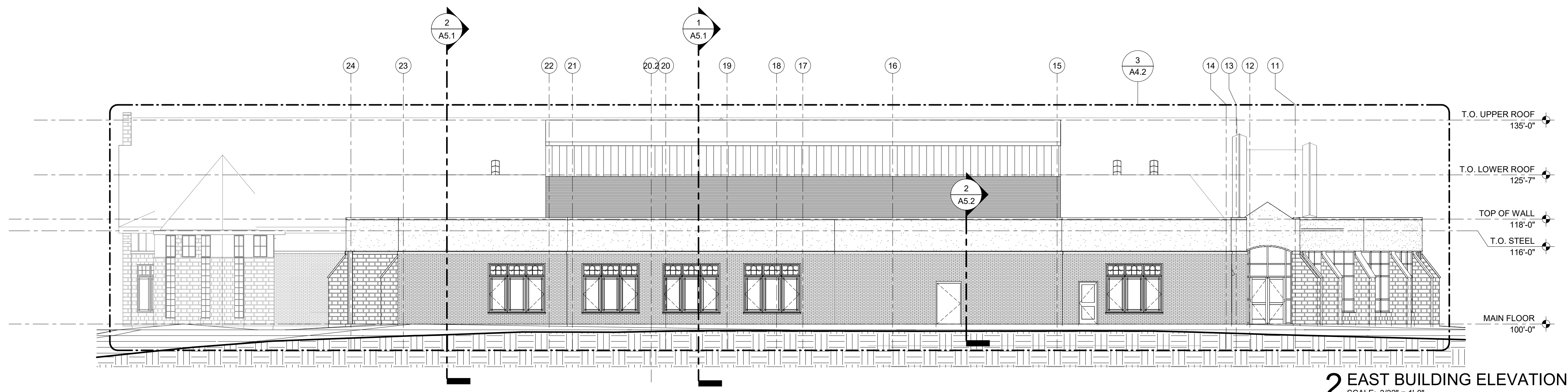
ROOF PLAN - AREA C

PROJECT NUMBER: 2023402
SHEET: A2.4

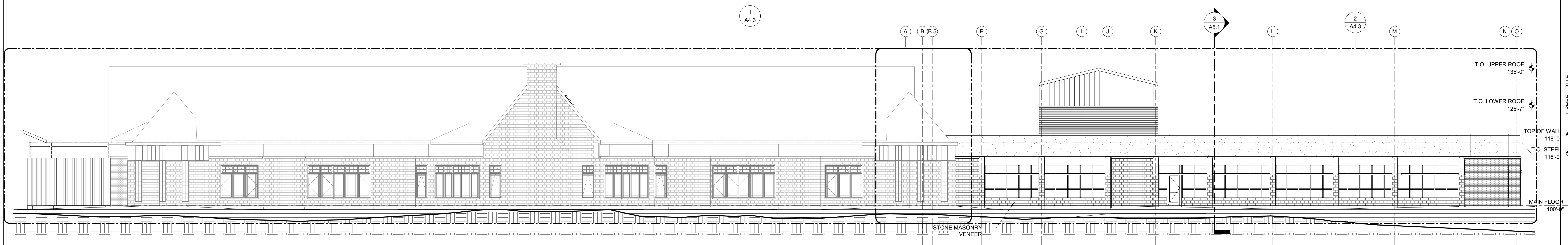
DATE ISSUED: 12/07/2023
REV. NO. DATE



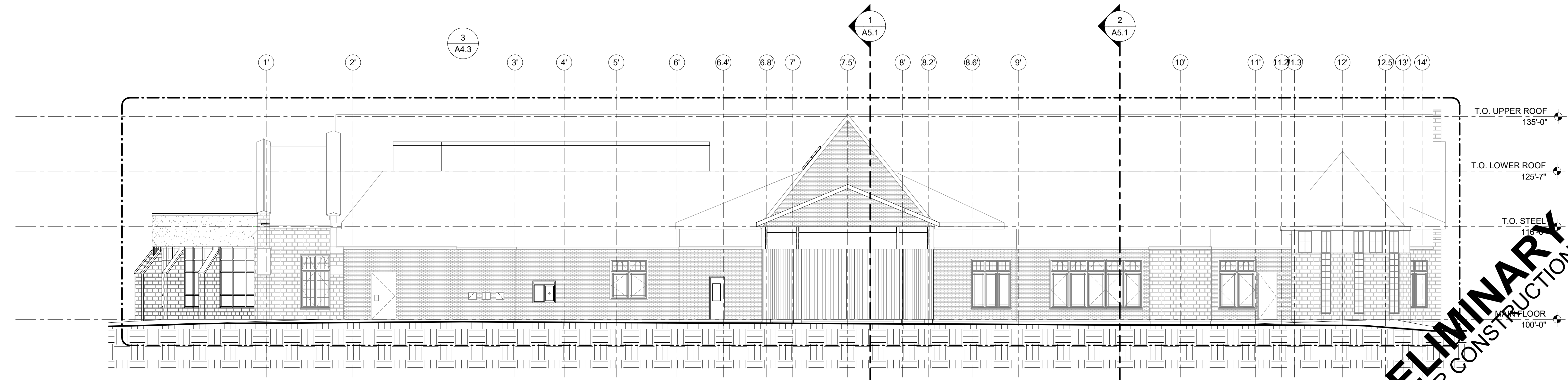
1 NORTH BUILDING ELEVATION
SCALE: 3/32" = 1'-0"



2 EAST BUILDING ELEVATION
SCALE: 3/32" = 1'-0"



3 SOUTH BUILDING ELEVATION
SCALE: 3/32" = 1'-0"



4 WEST BUILDING ELEVATION
SCALE: 3/32" = 1'-0"

IN ASSOCIATION WITH
EXTERIOR ELEVATIONS

SHEET TITLE
CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

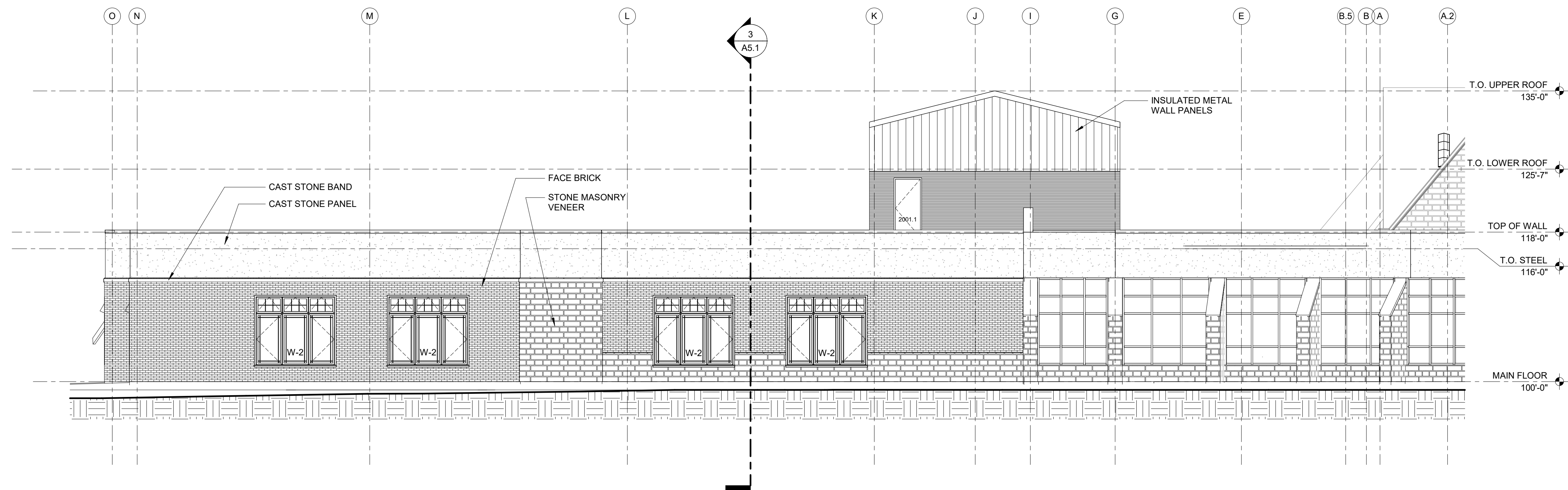
DATE ISSUED 12/07/2023
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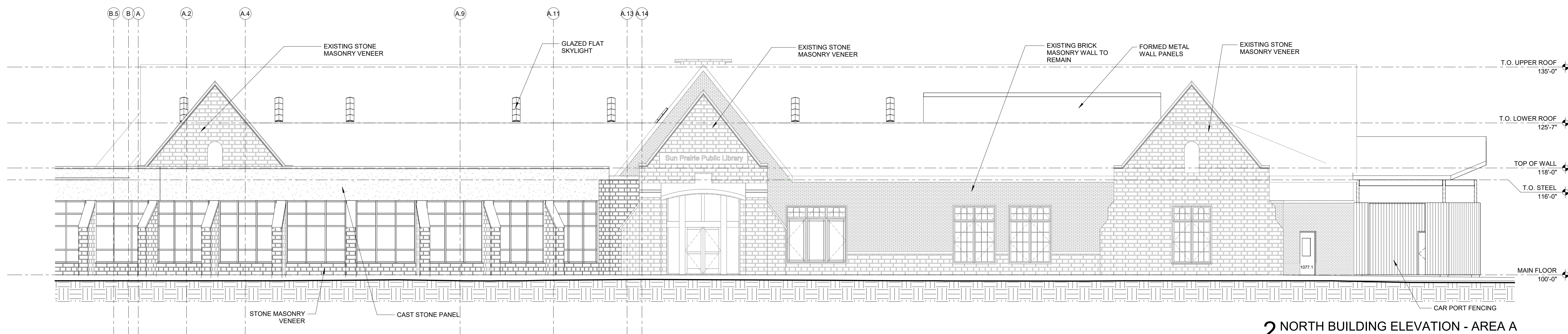
SHEET

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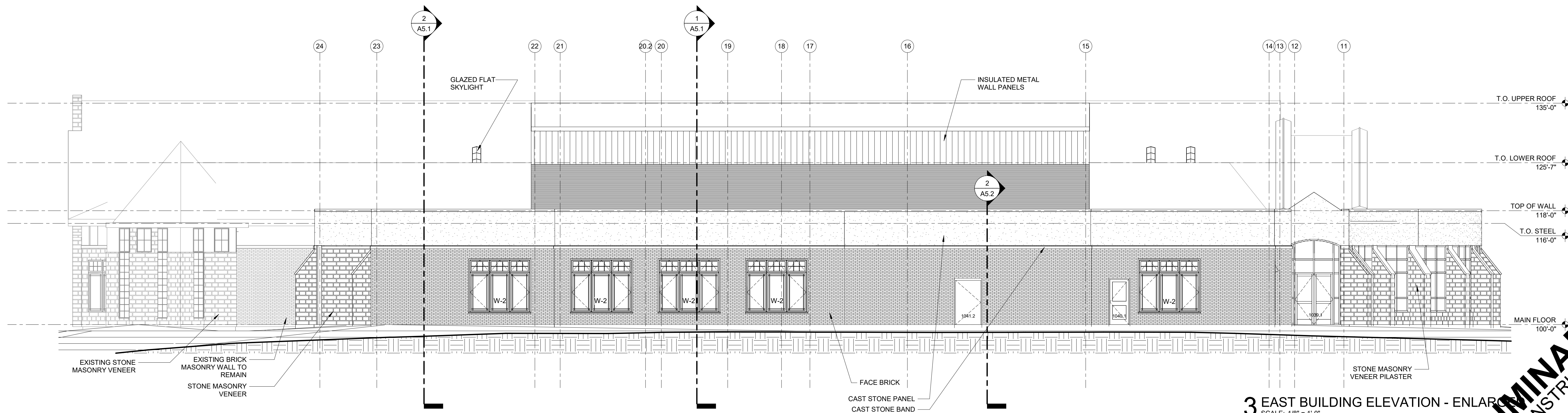
A4.1



1 NORTH BUILDING ELEVATION - AREA B
SCALE: 1/8" = 1'-0"

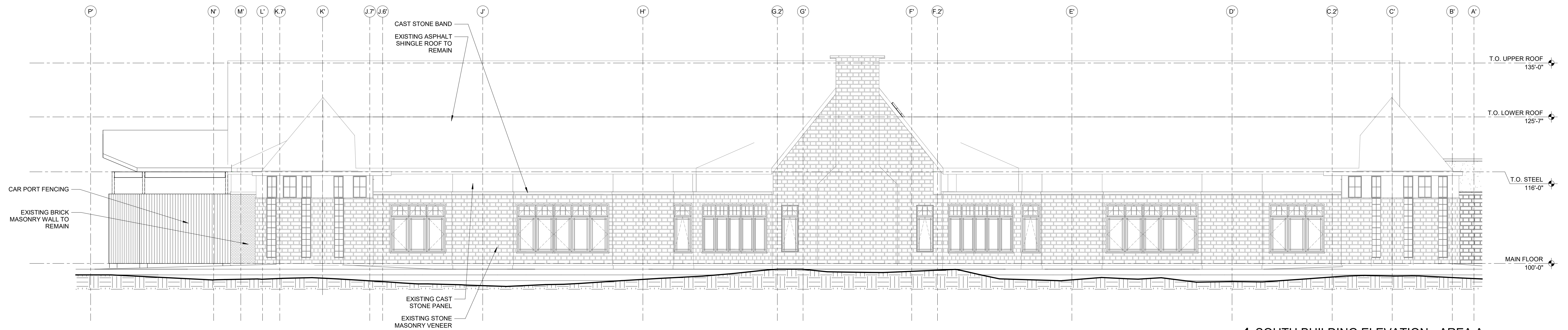


2 NORTH BUILDING ELEVATION - AREA A
SCALE: 1/8" = 1'-0"

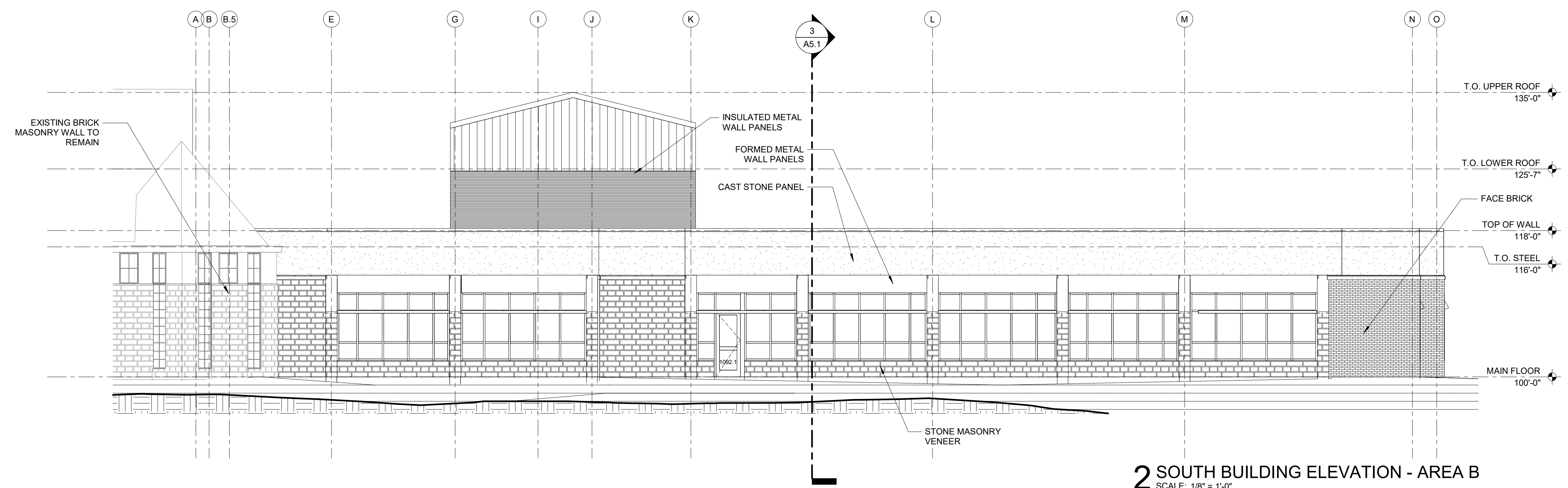


3 EAST BUILDING ELEVATION - ENLARGED
SCALE: 1/8" = 1'-0"

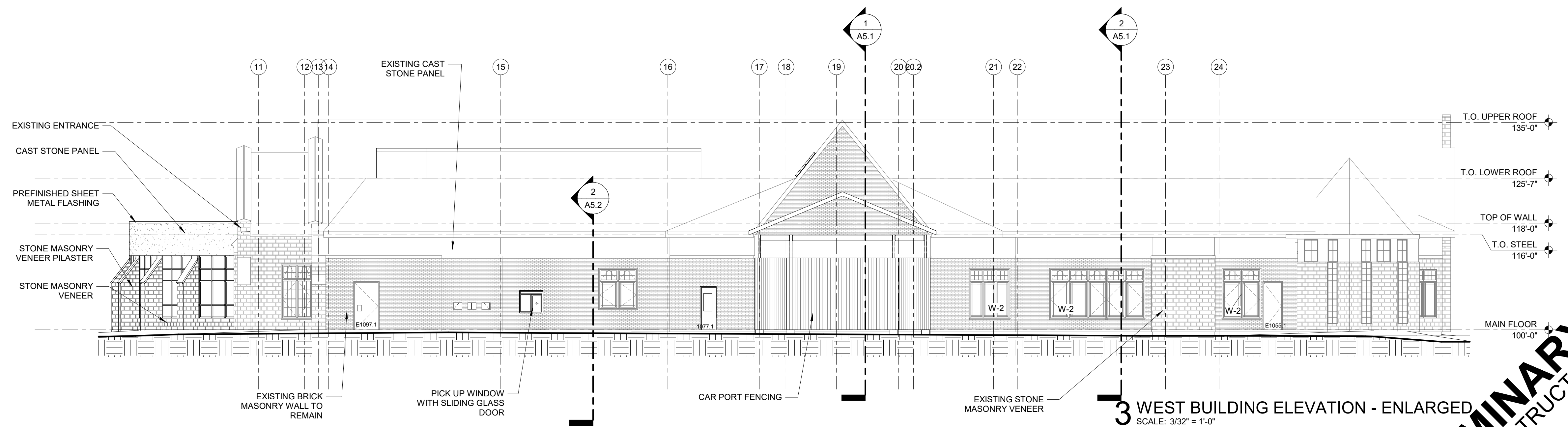
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1 SOUTH BUILDING ELEVATION - AREA A
SCALE: 1/8" = 1'-0"

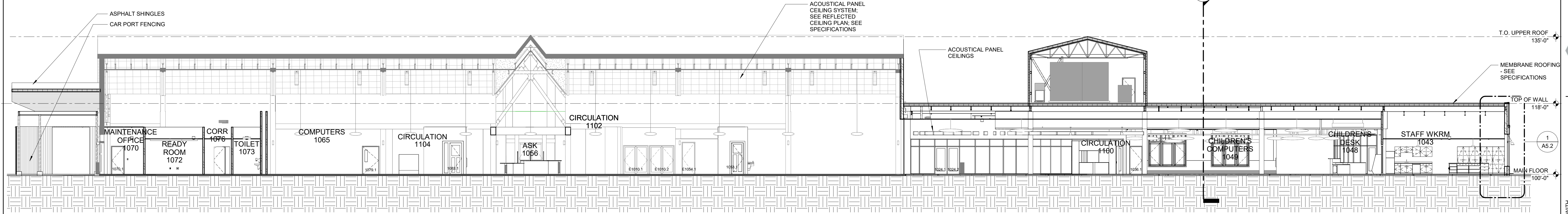


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SCALE: 1/8" = 1'-0"

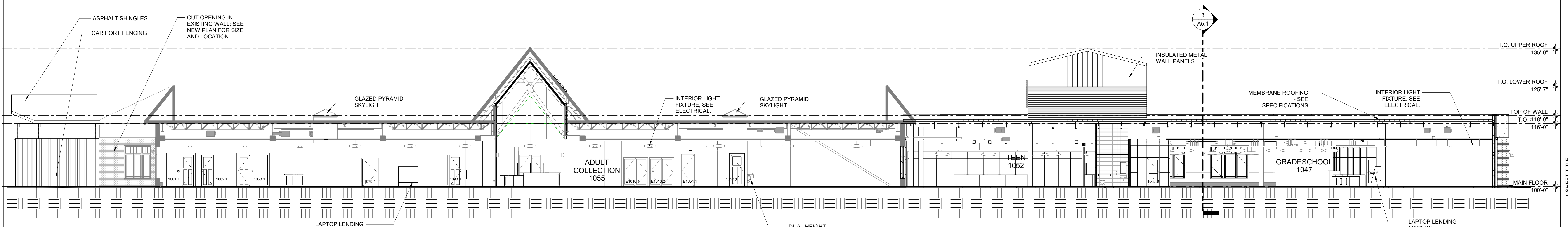


3 WEST BUILDING ELEVATION - ENLARGED
SCALE: 3/32" = 1'-0"

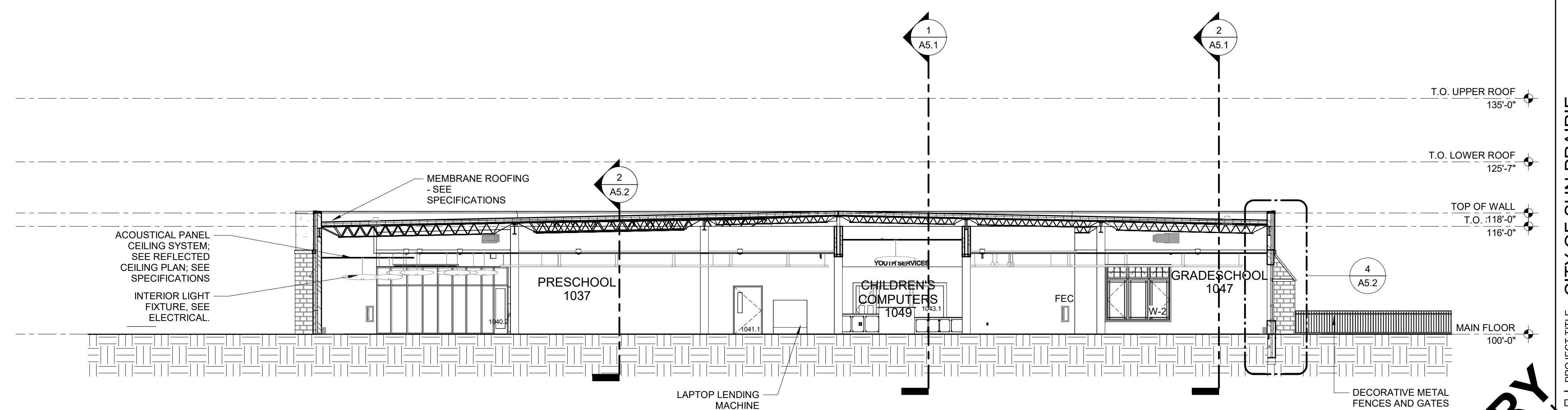
PRELIMINARY
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1 SECTION AT VAULTED CEILING
SCALE: 3/32" = 1'-0"



2 SECTION AT ADULT COLLECTION
SCALE: 3/32" = 1'-0"



3 SECTION AT CHILDREN'S COLLECTION
SCALE: 3/32" = 1'-0"

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BUILDING SECTIONS

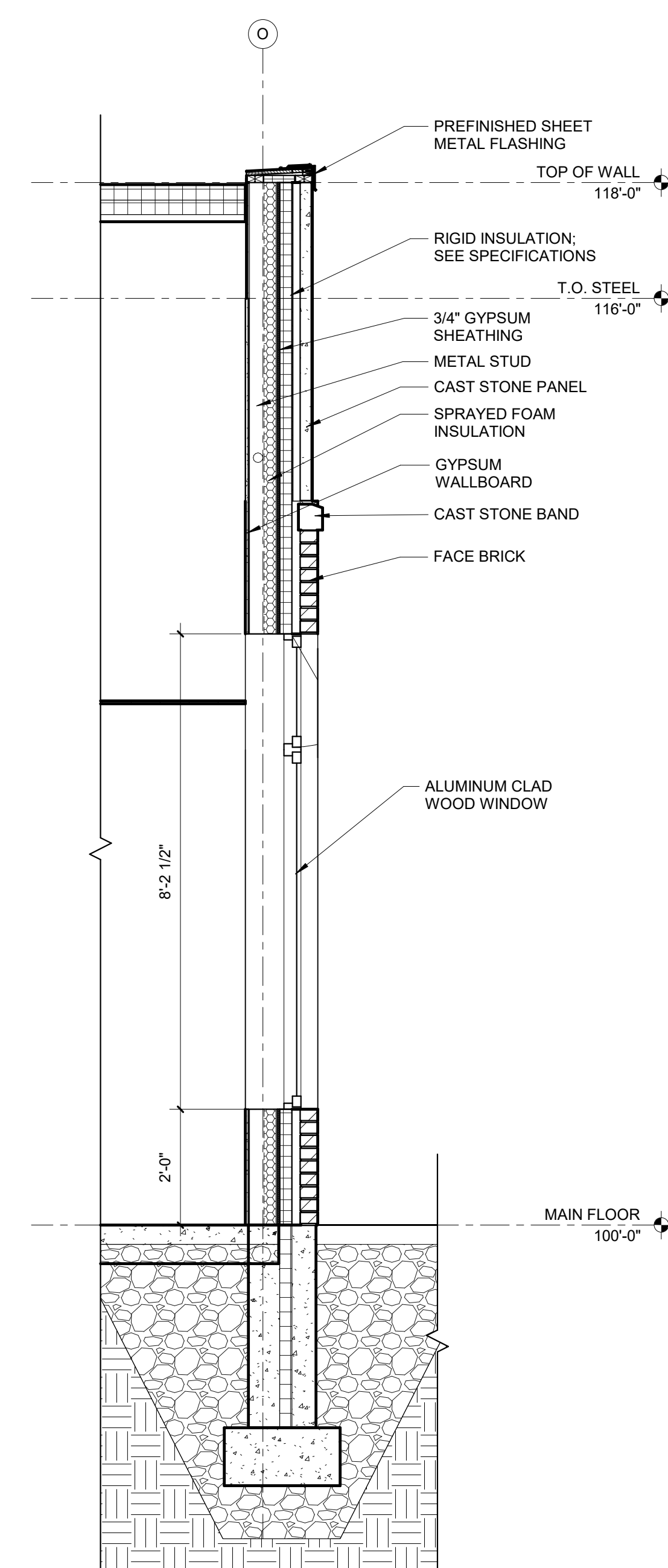
PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED: 12/07/2023
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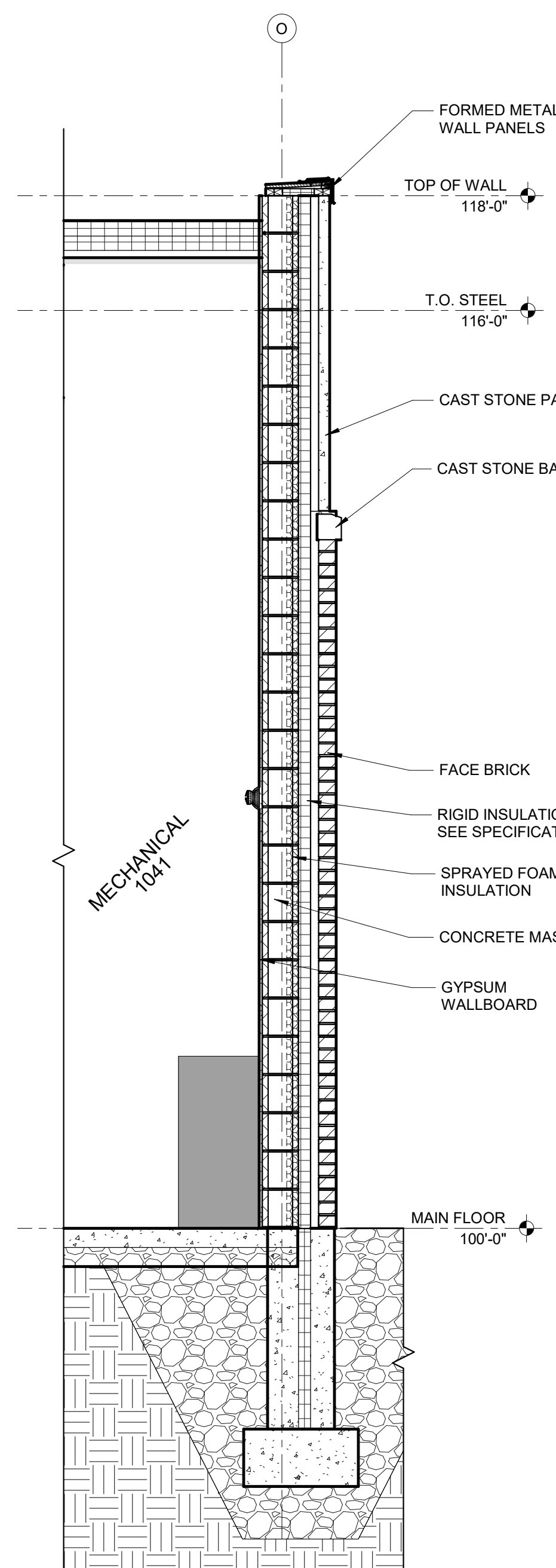
PROJECT NUMBER
2023402

SHEET
A5.1

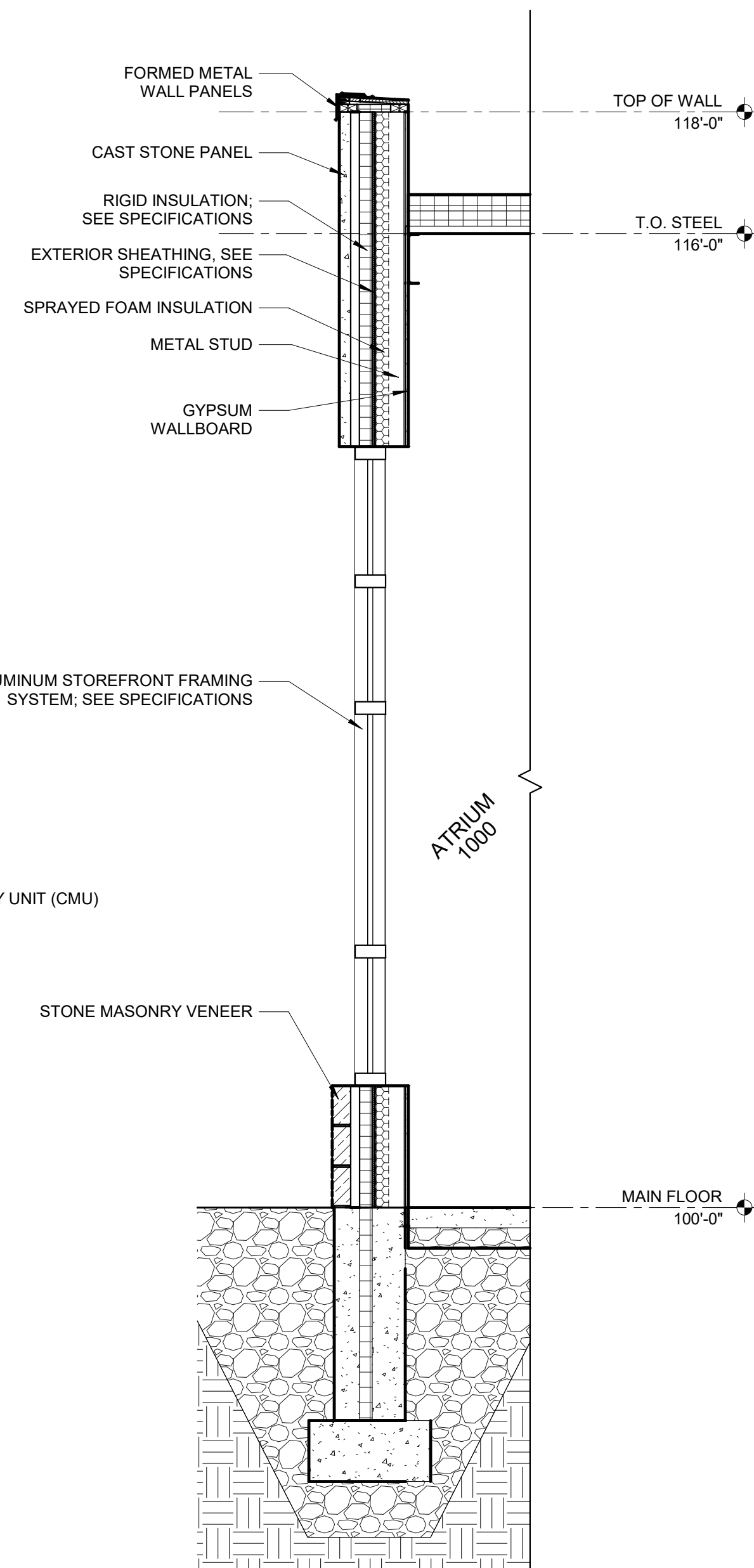
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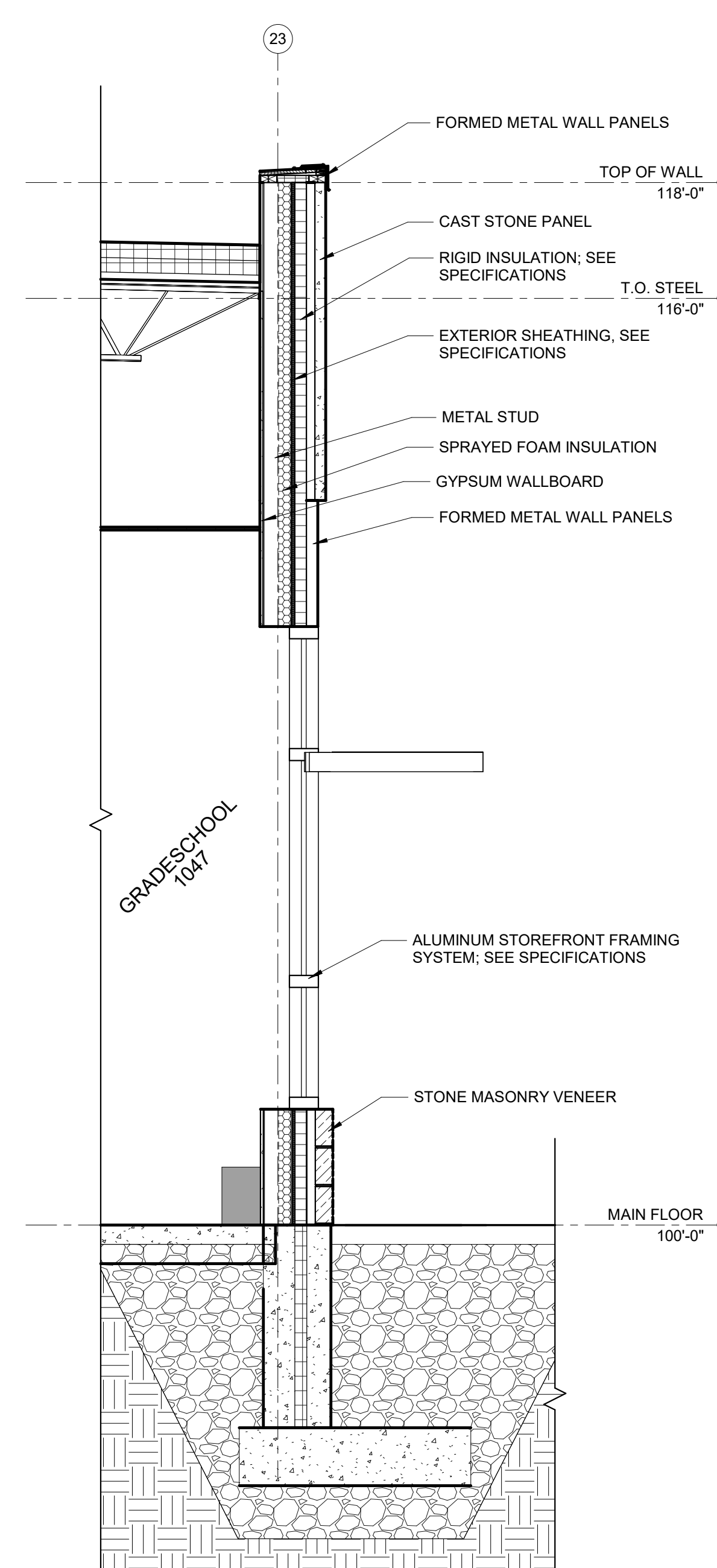
1 SECTION AT OFFICE 1045
SCALE: 1/2" = 1'-0"



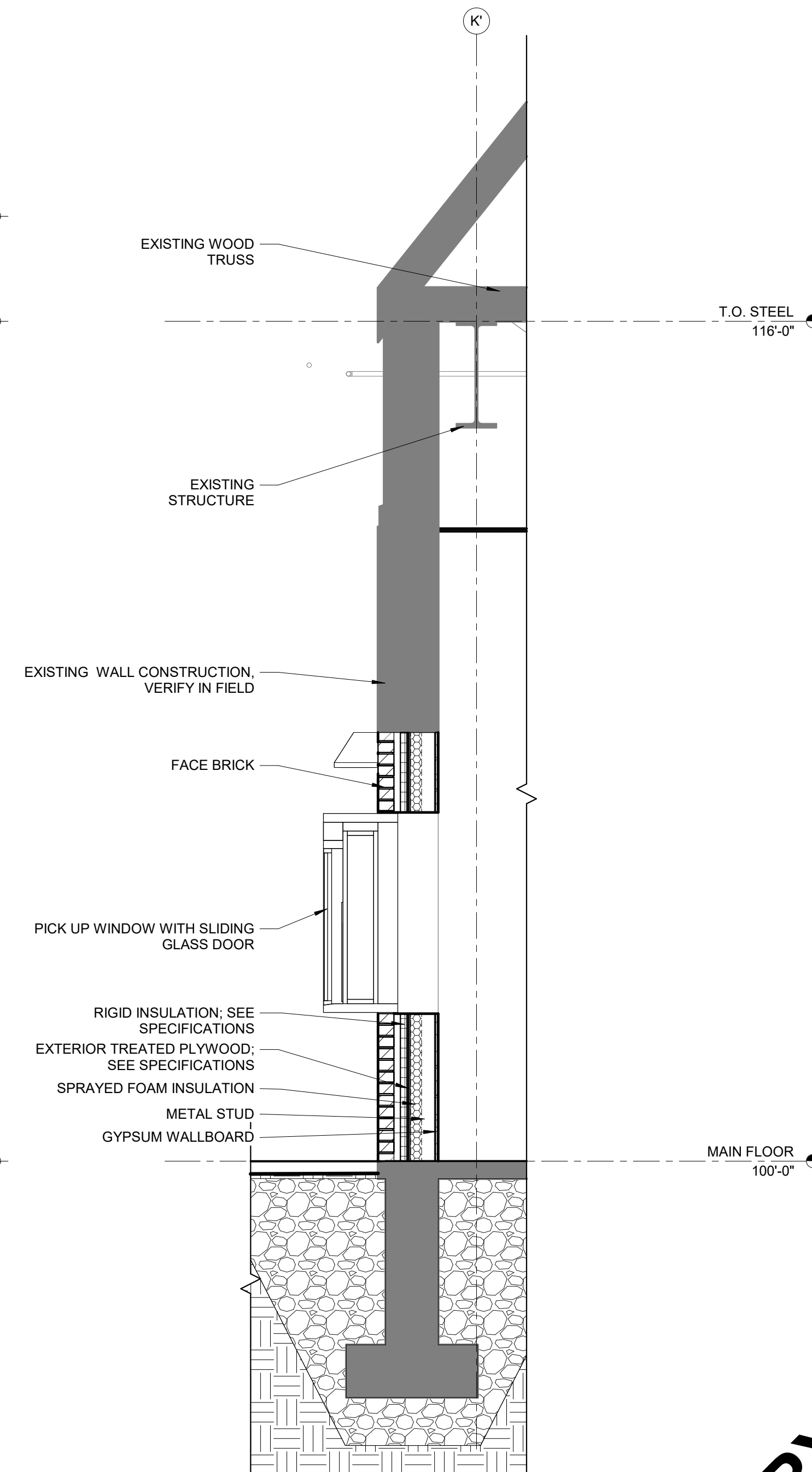
2 SECTION AT MECHANICAL 1041
SCALE: 1/2" = 1'-0"



3 SECTION AT ATRIUM
SCALE: 1/2" = 1'-0"



4 SECTION AT AMPHITHEATER
SCALE: 1/2" = 1'-0"

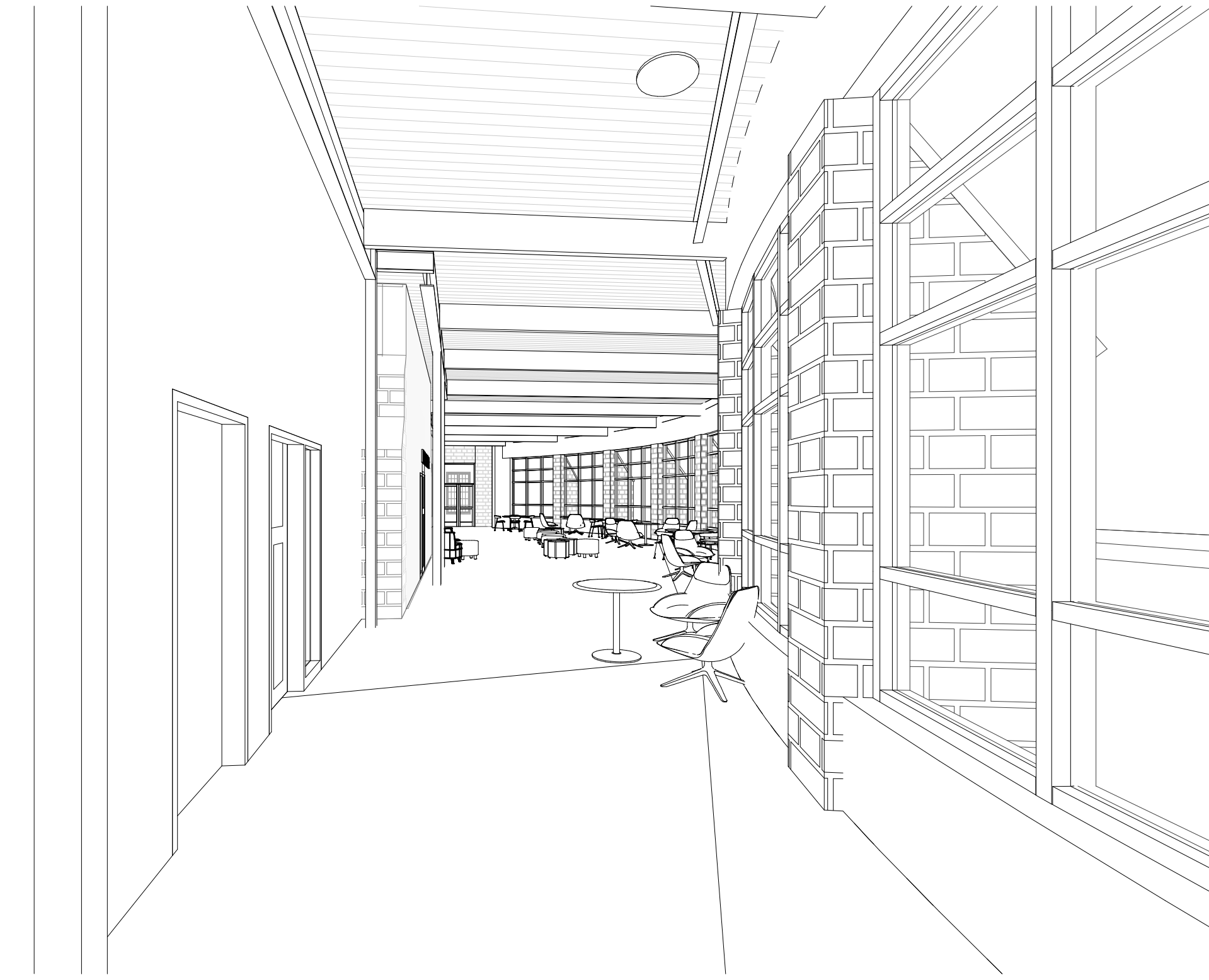


5 SECTION AT PICK UP WINDOW 1090
SCALE: 1/2" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION



VIEW FROM YOUTH ENTRANCE



ATRIUM



YOUTH ENTRANCE



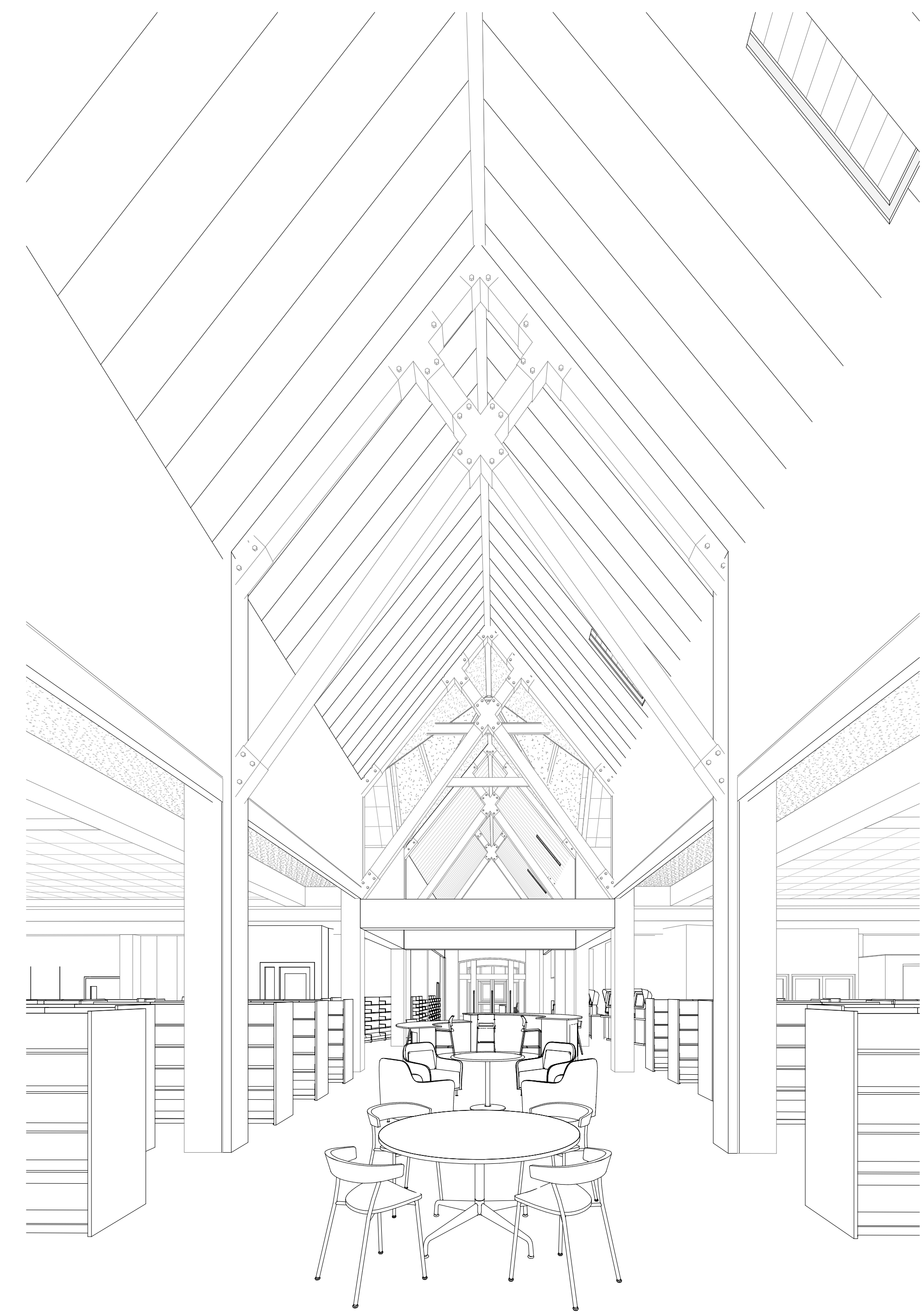
ASK DESK



VIEW TOWARDS CHILDREN'S CIRC



COMPUTERS AND REFERENCE DESK



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3D VIEWS

PROJECT TITLE CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

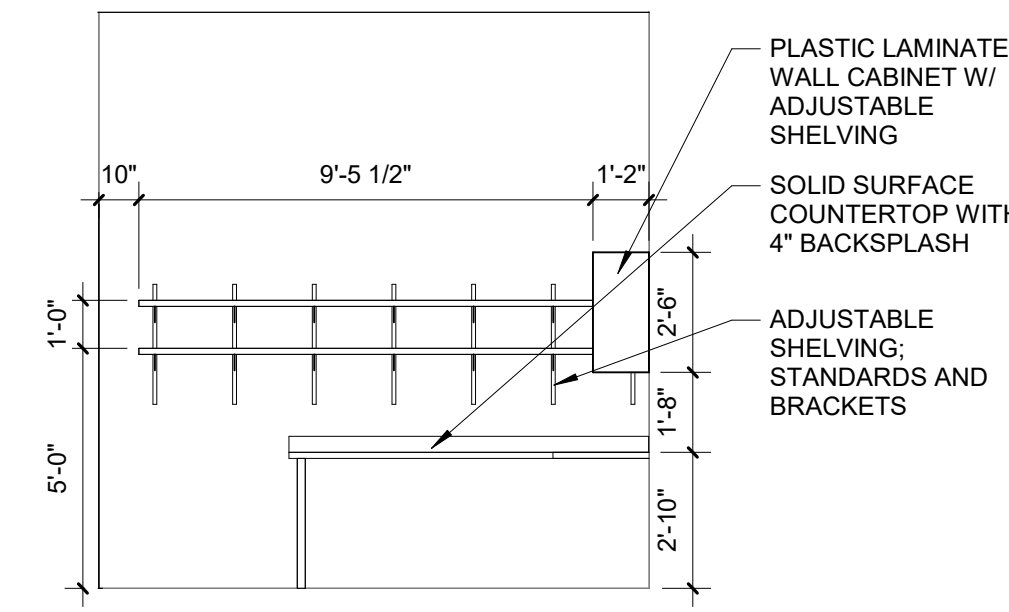
DATE ISSUED 12/07/2023
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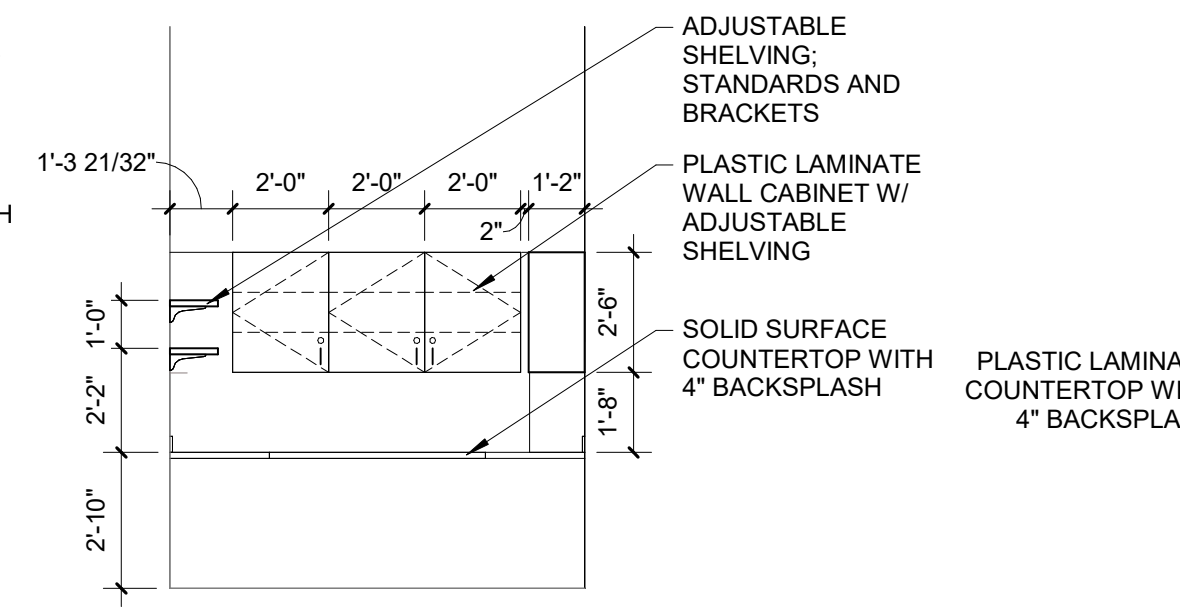
SHEET

A7.0

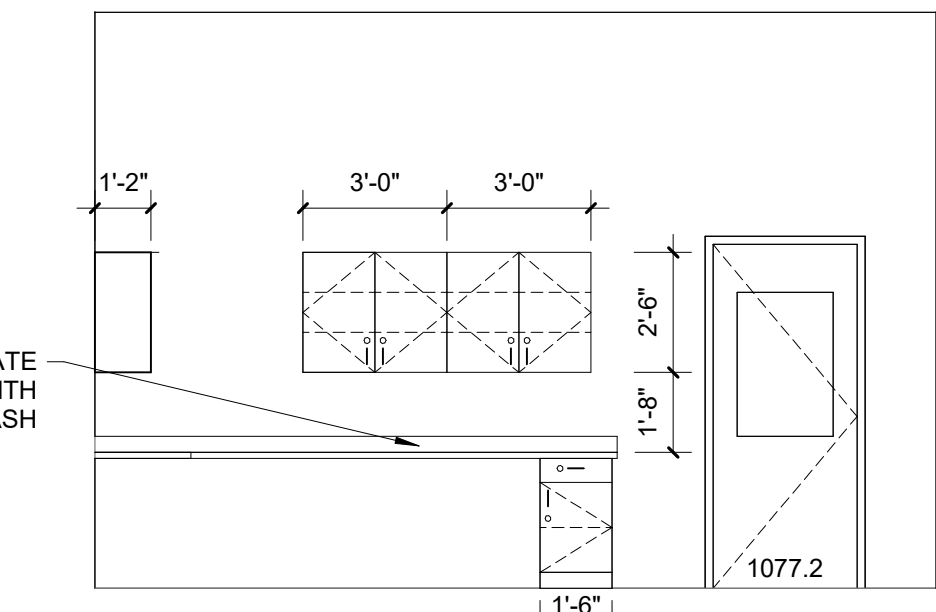
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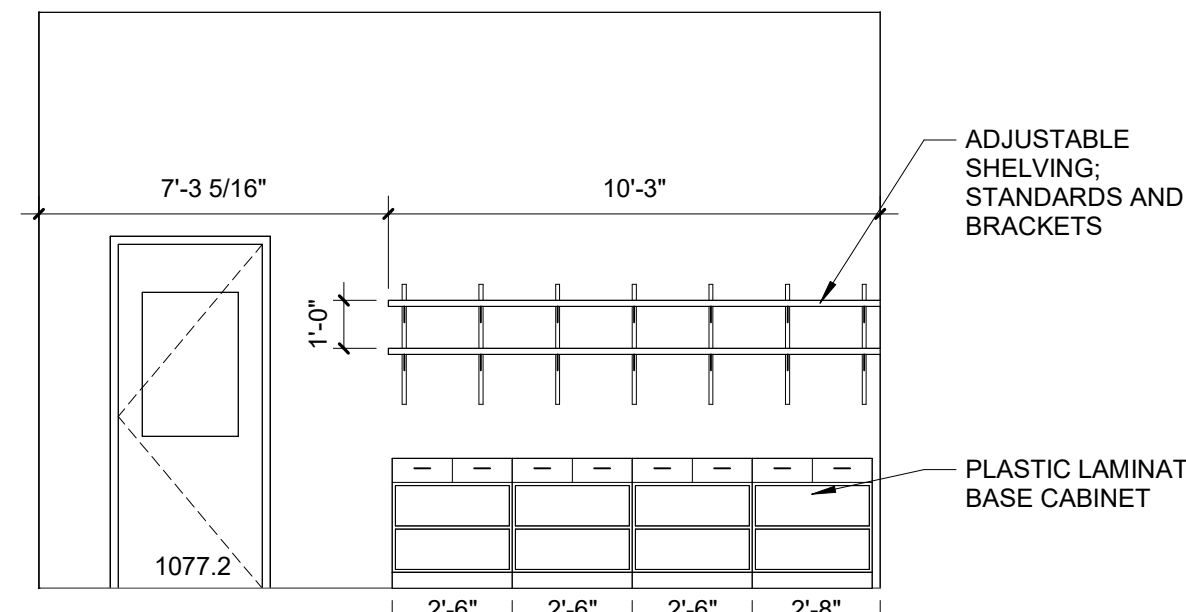
1 MAIL/COPY ROOM EAST ELEVATION
SCALE: 1/4" = 1'-0"



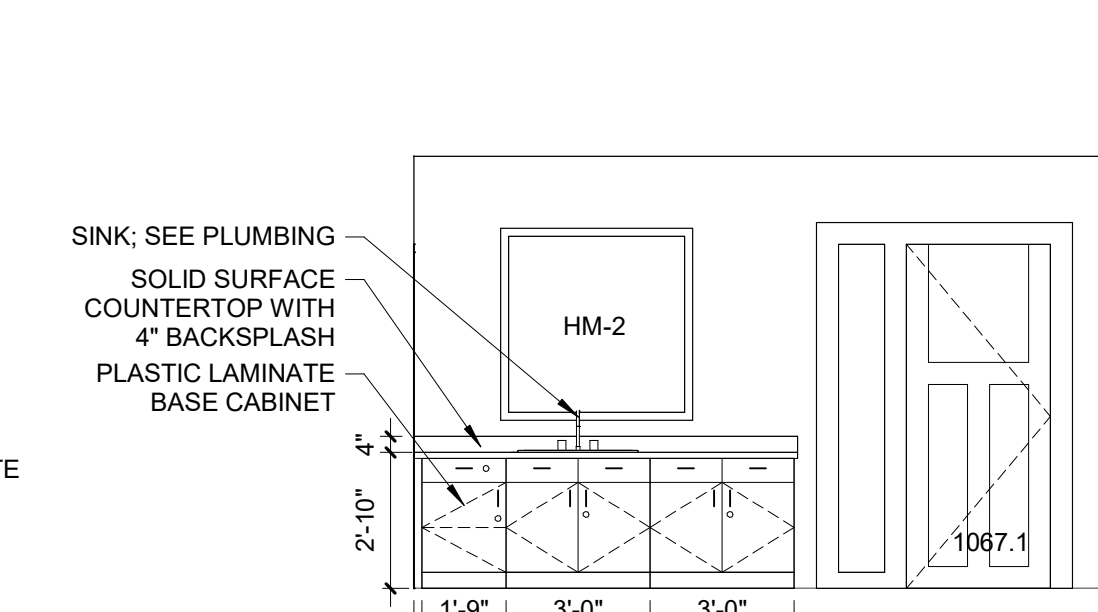
2 MAIL/COPY ROOM SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



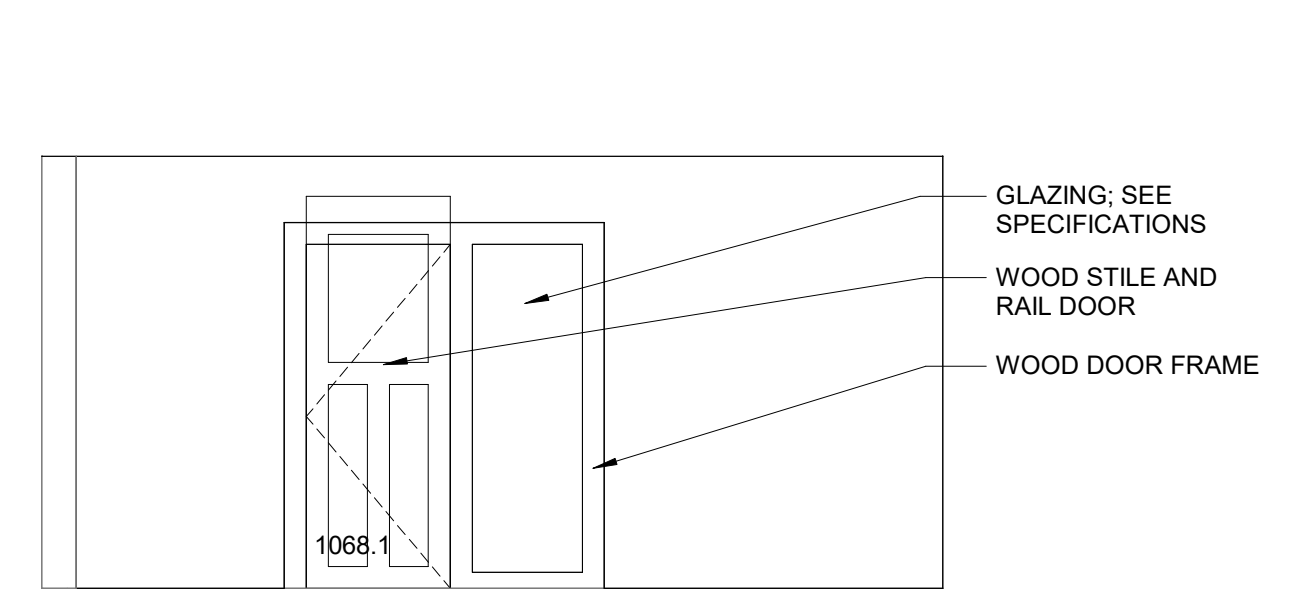
3 MAIL/COPY ROOM WEST ELEVATION
SCALE: 1/4" = 1'-0"



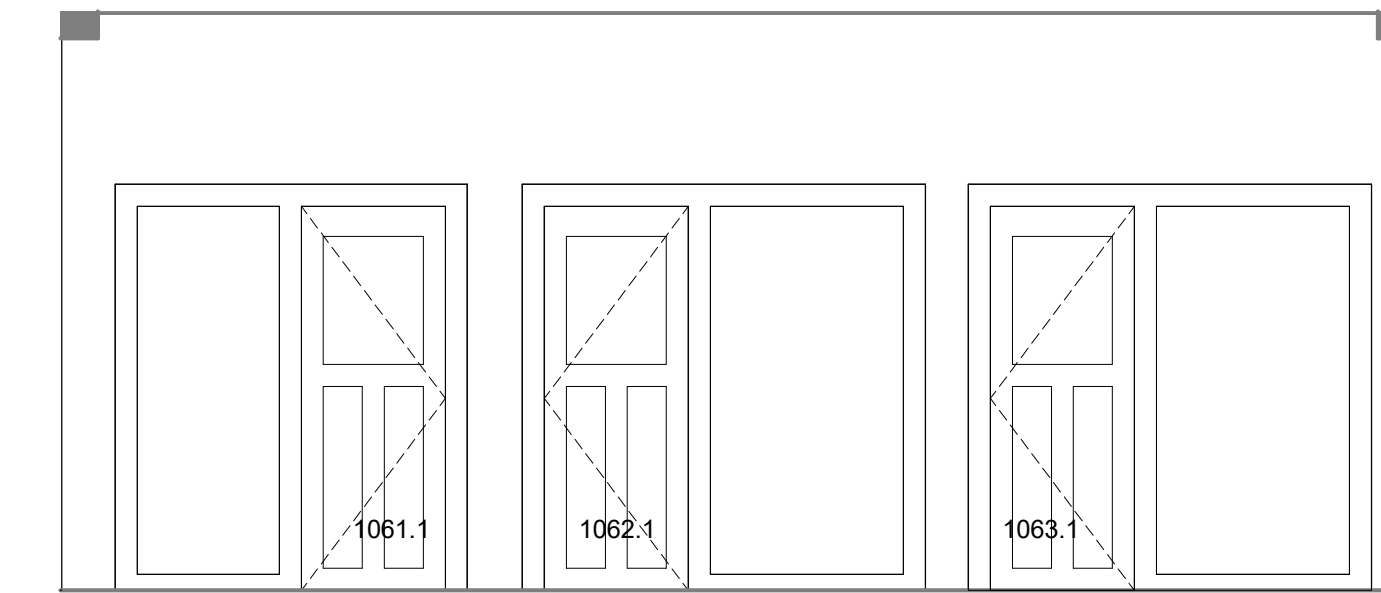
4 RECEIVING EAST ELEVATION
SCALE: 1/4" = 1'-0"



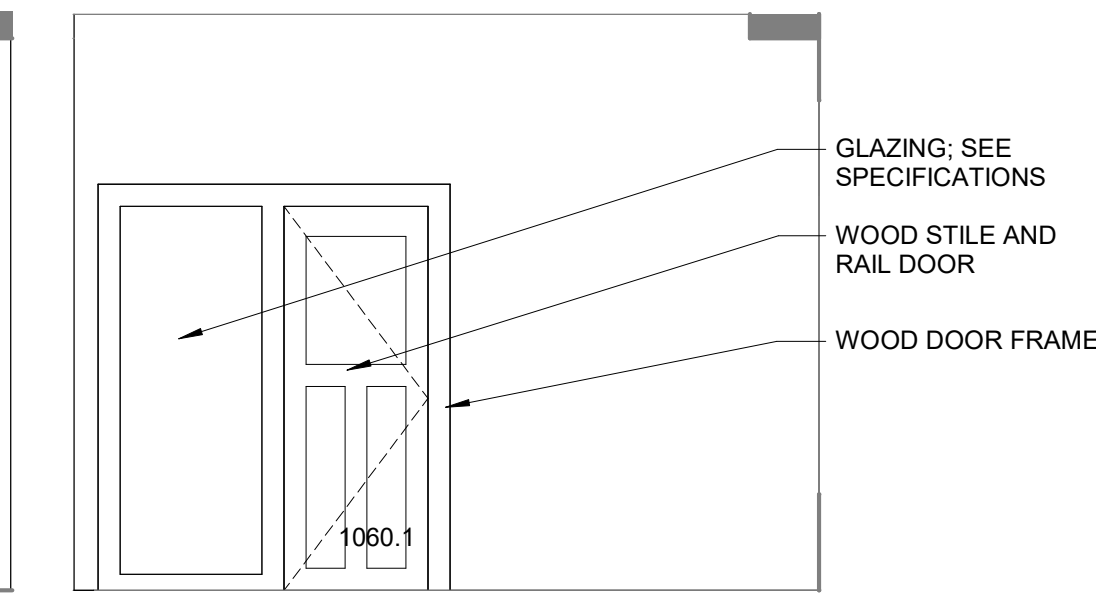
5 ADULT STAFF EAST ELEVATION
SCALE: 1/4" = 1'-0"



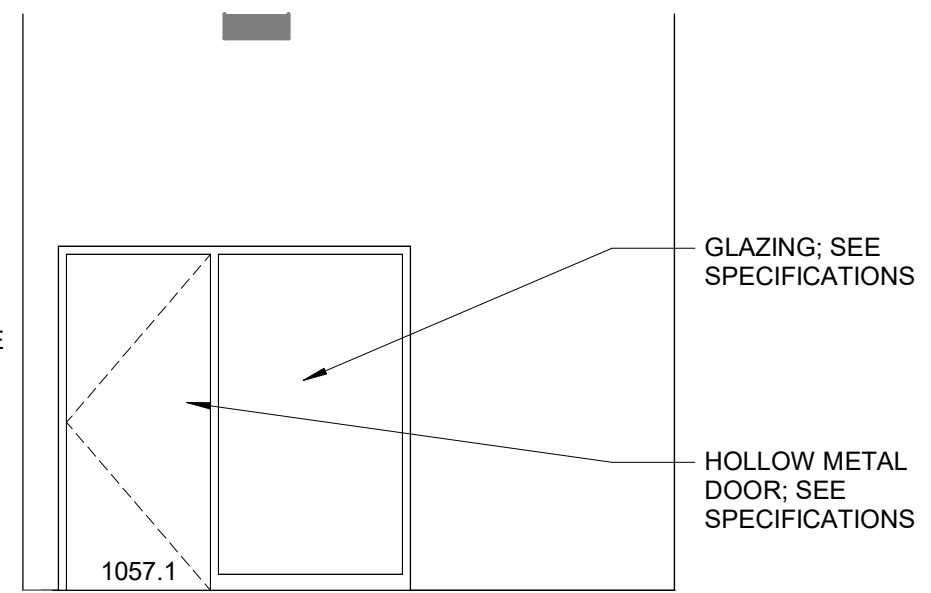
6 ADULT STAFF WEST ELEVATION
SCALE: 1/4" = 1'-0"



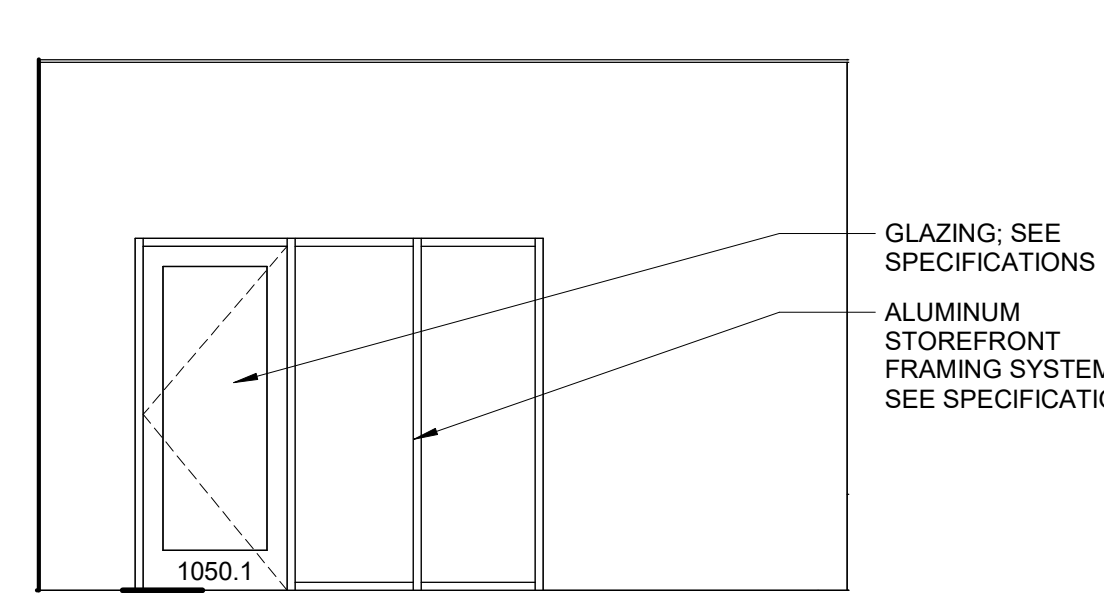
7 STUDY ROOMS NORTH ELEVATIONS
SCALE: 1/4" = 1'-0"



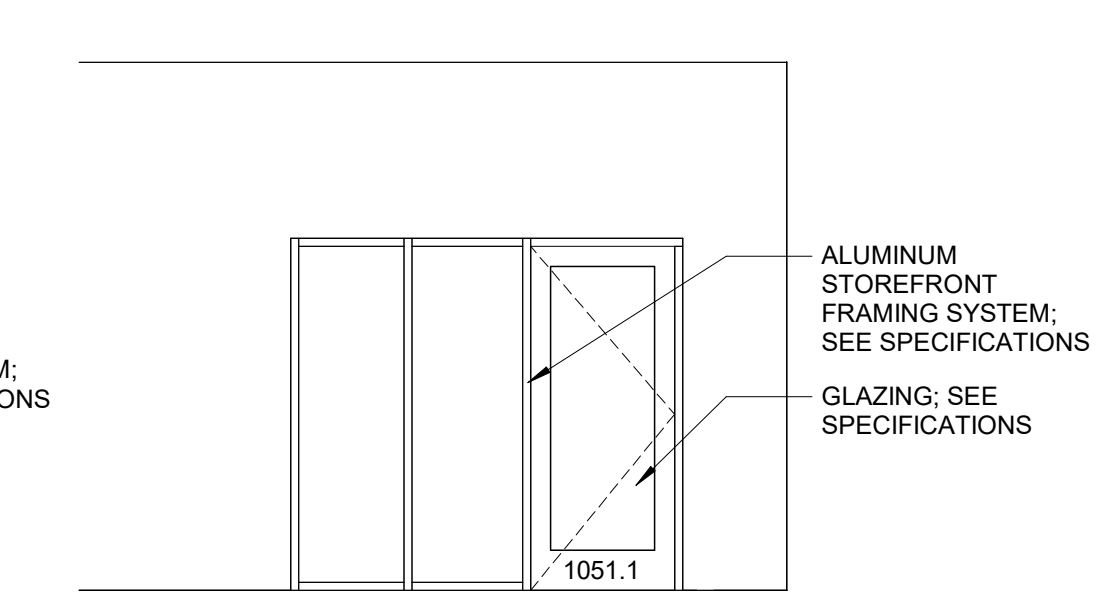
8 STUDY ROOM EAST ELEVATION
SCALE: 1/4" = 1'-0"



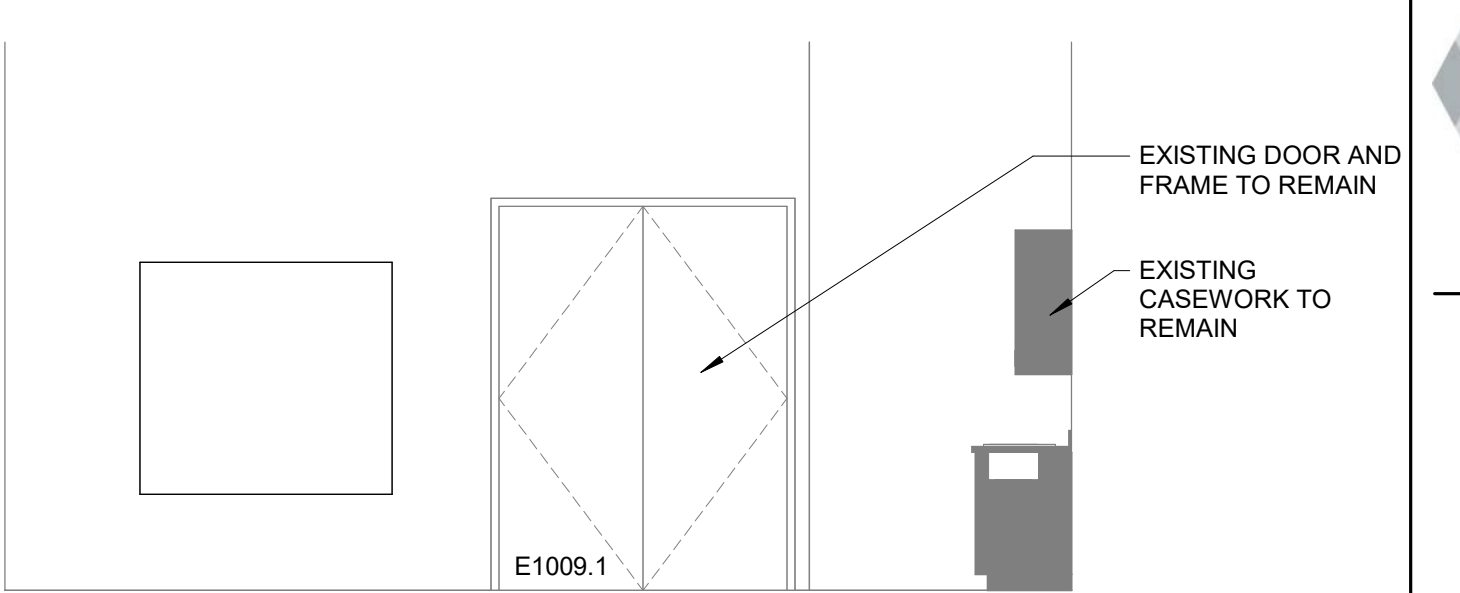
9 1057 DISCUSS ROOM SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



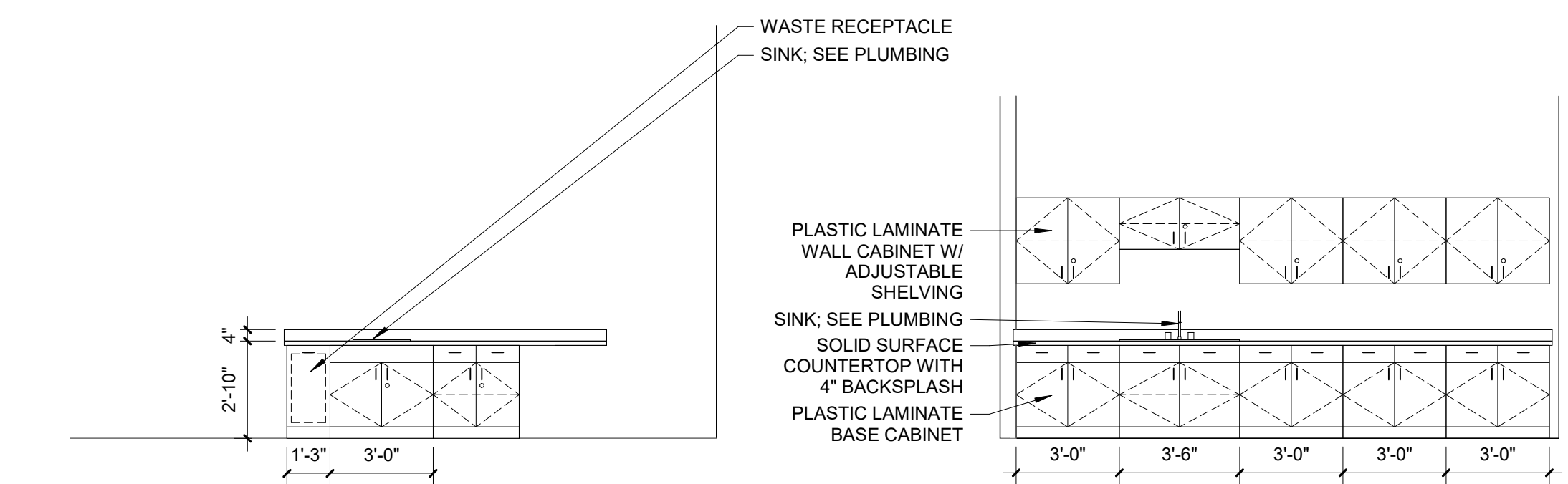
10 1049 DISCUSS ROOM SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



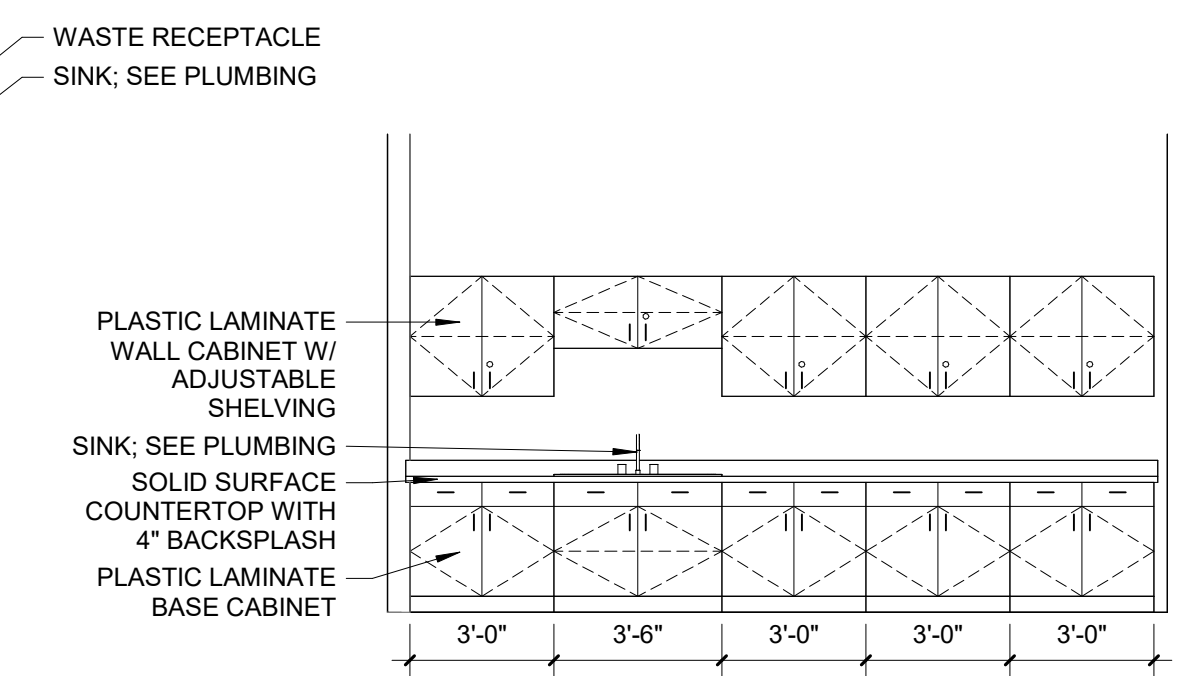
11 1050 DISCUSS ROOM SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



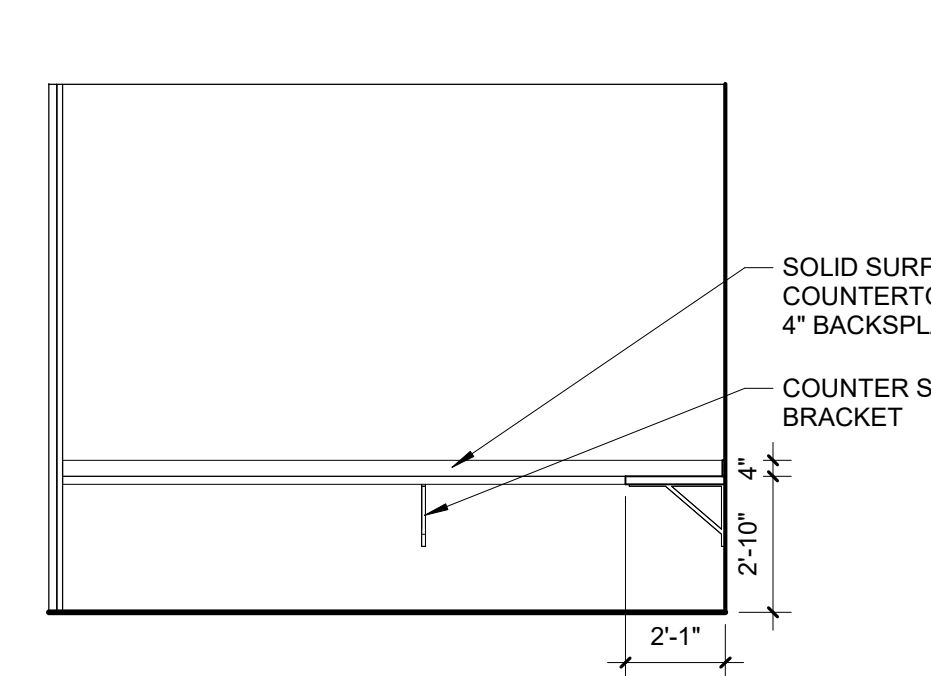
12 MEETING ROOM NORTH ELEVATION
SCALE: 1/4" = 1'-0"



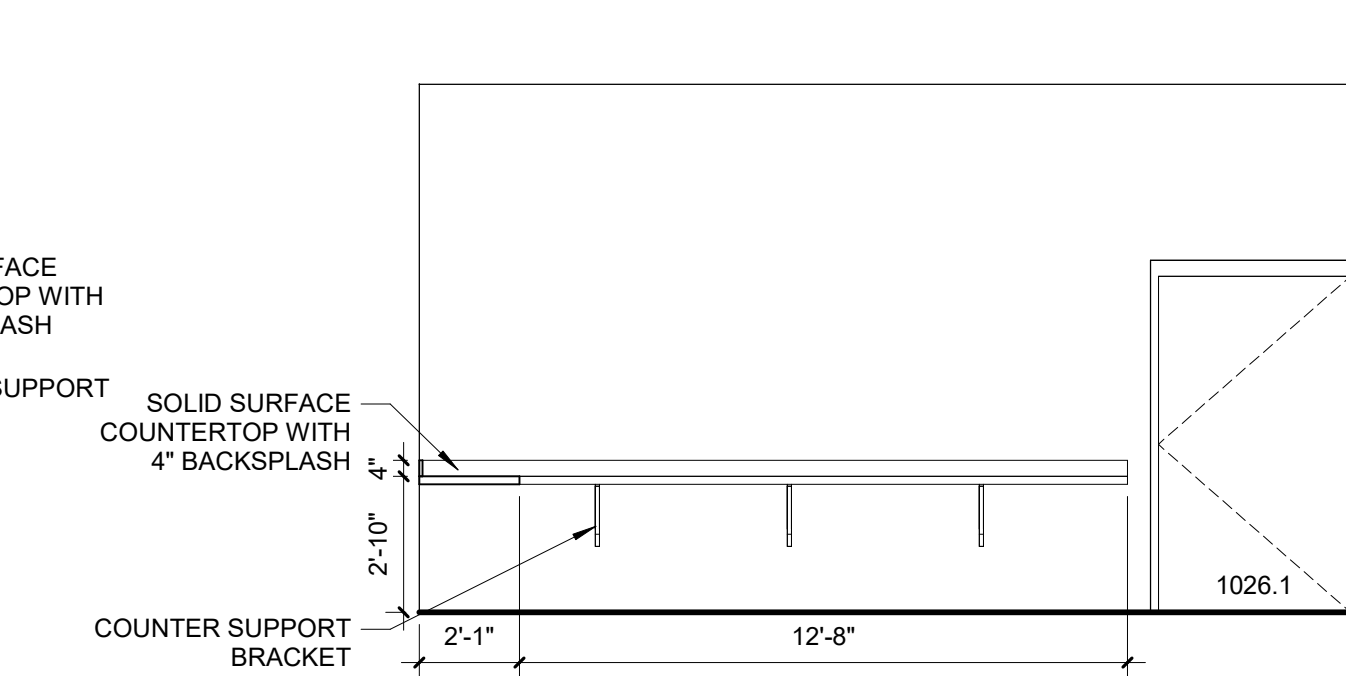
13 BOOK STORE & CAFE SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



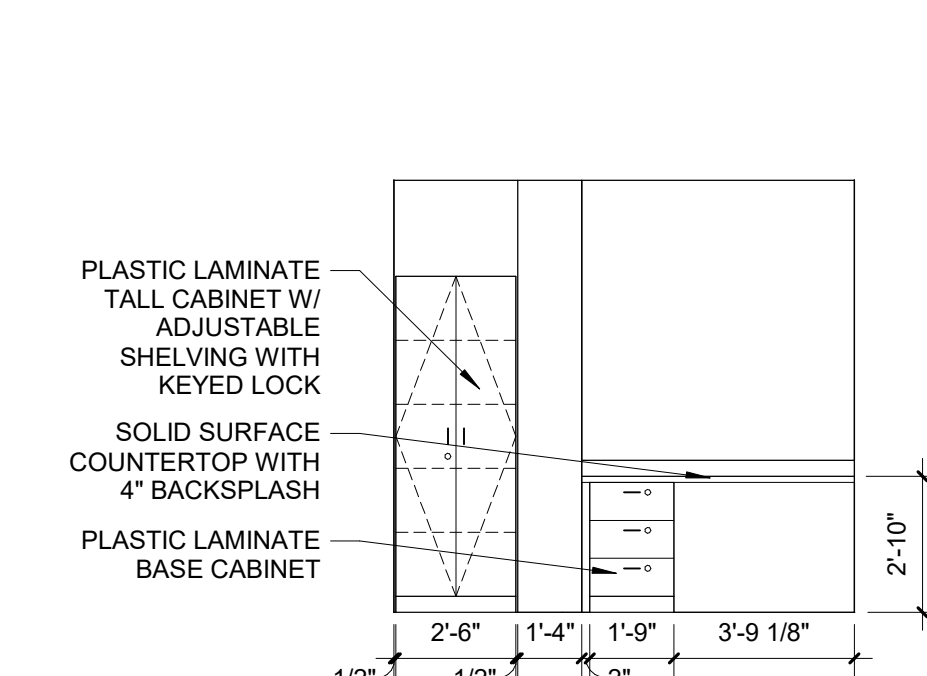
14 MAKERSPACE WEST ELEVATION
SCALE: 1/4" = 1'-0"



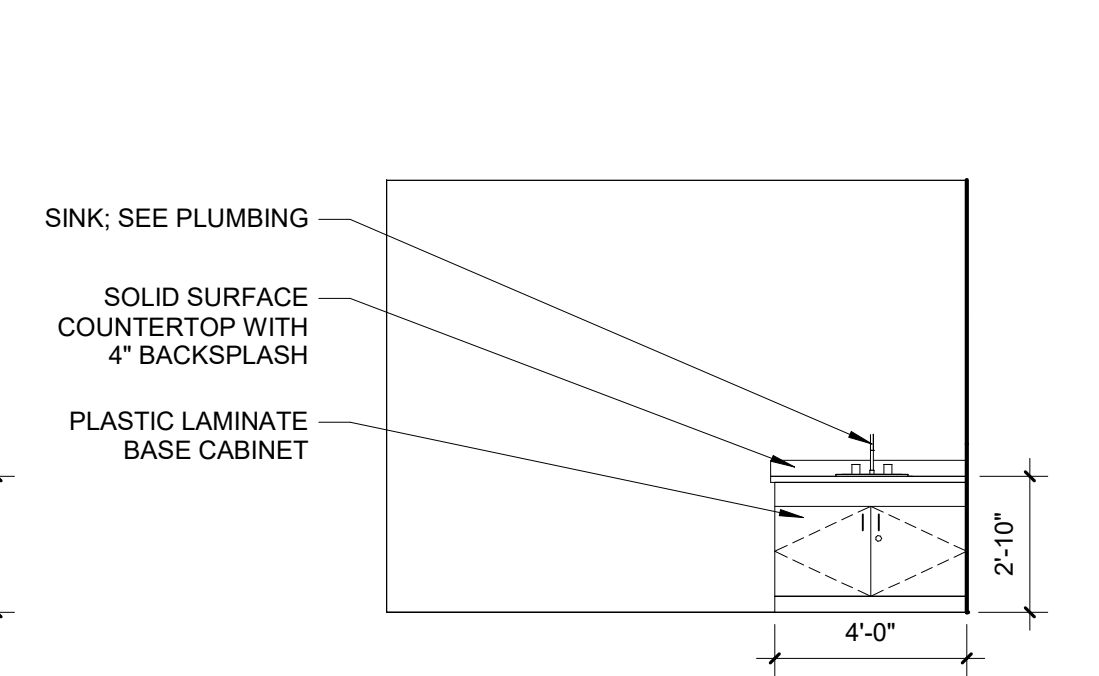
15 COMPUTERS NORTH ELEVATION
SCALE: 1/4" = 1'-0"



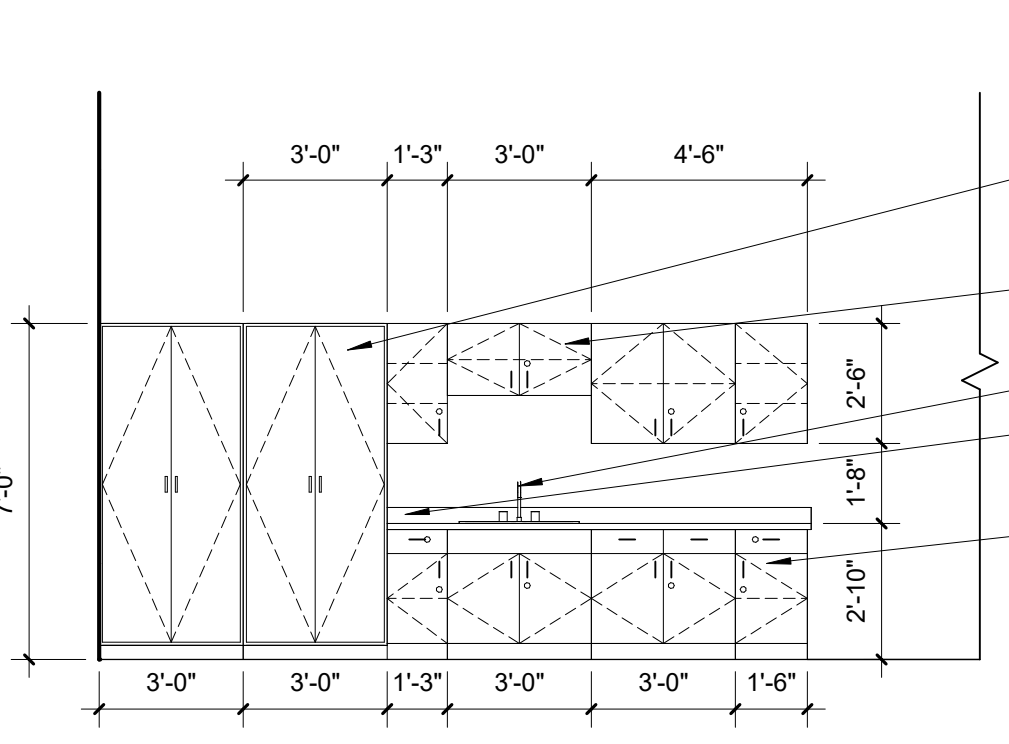
16 COMPUTERS EAST ELEVATION
SCALE: 1/4" = 1'-0"



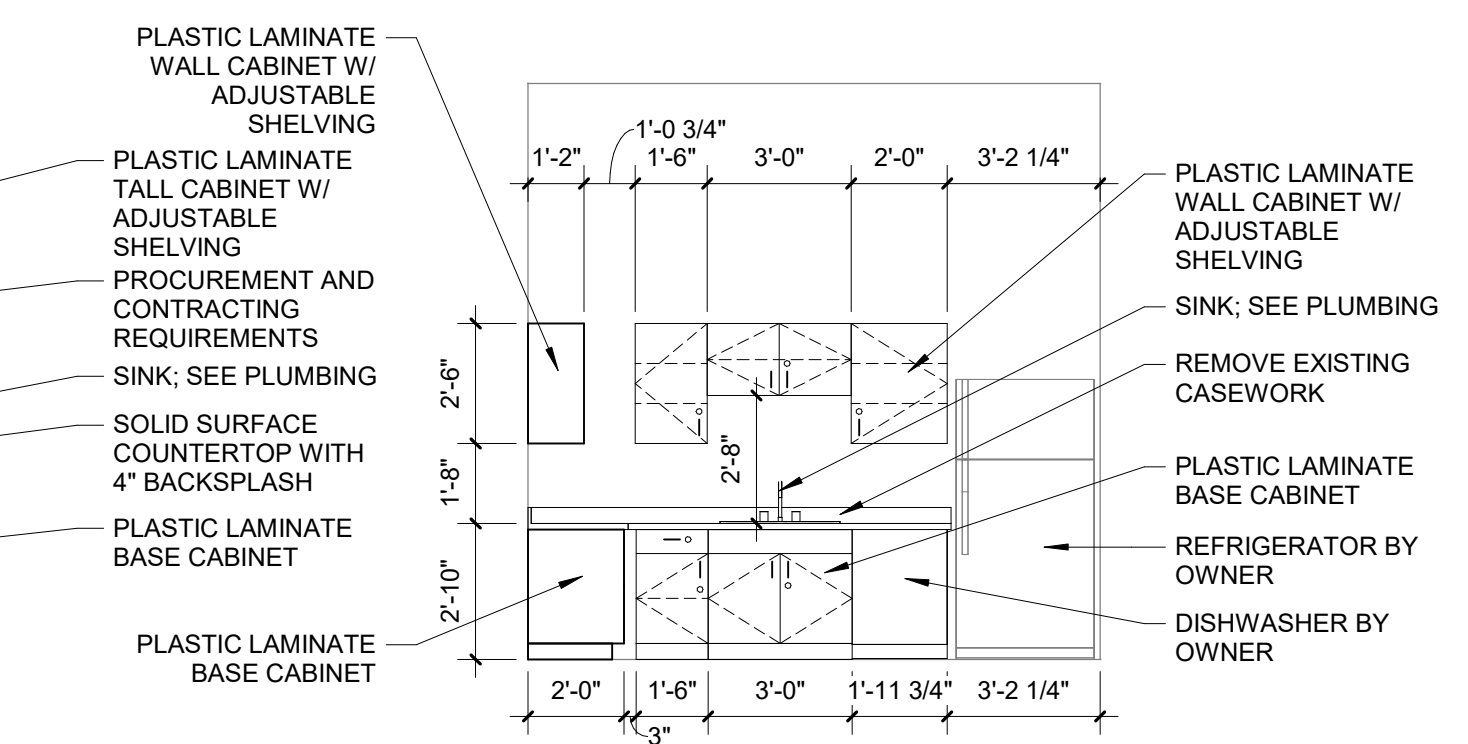
17 1086 HUDDLE ROOM ELEVATION
SCALE: 1/4" = 1'-0"



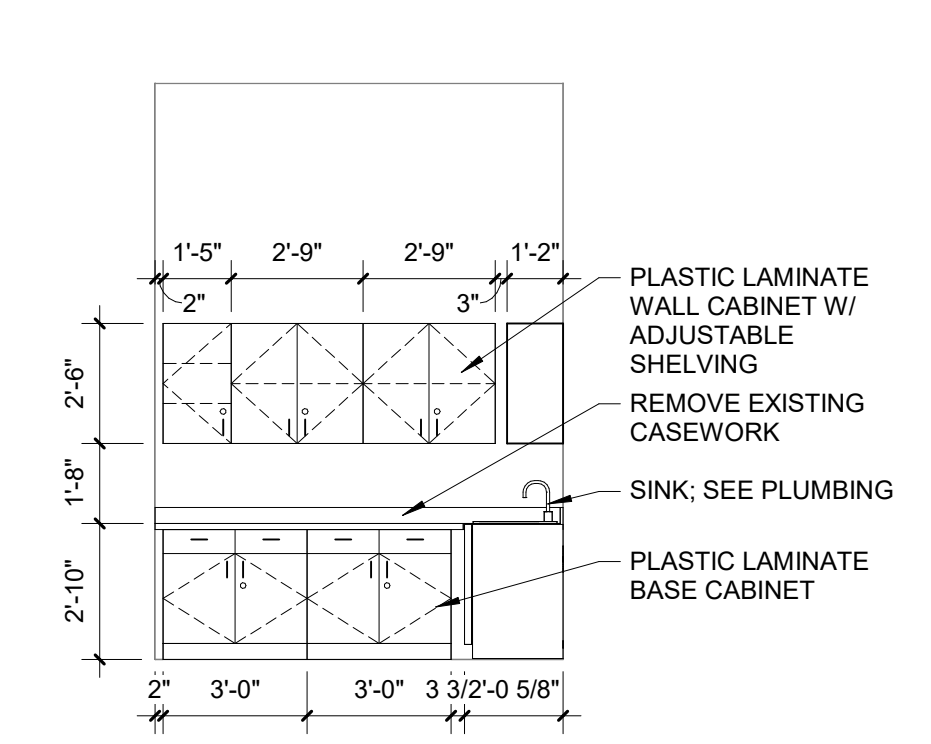
18 CAREGIVER ROOM WEST ELEVATION
SCALE: 1/4" = 1'-0"



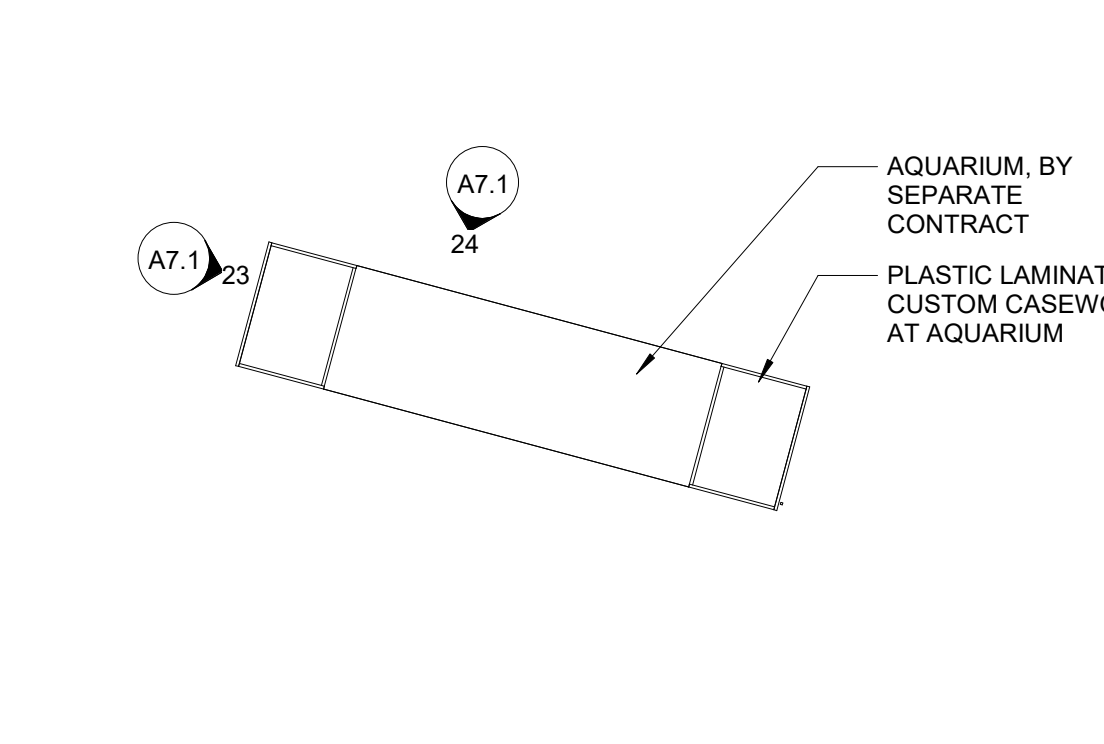
19 YOUTH PROGRAM ROOM SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



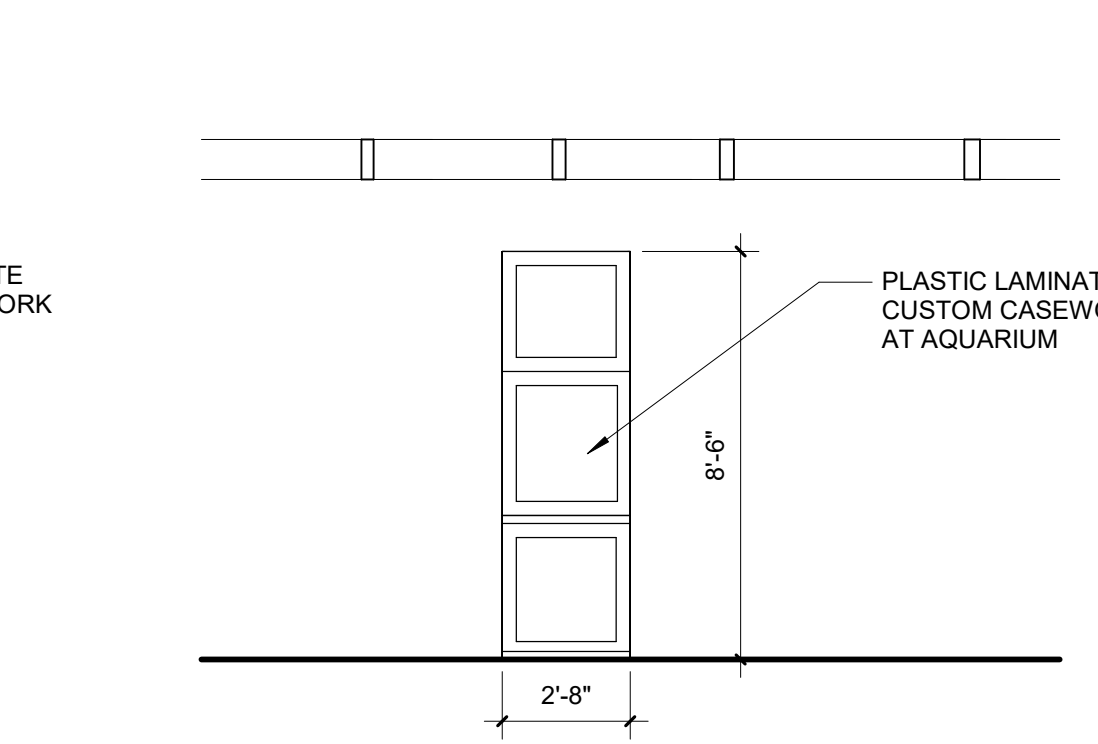
20 KITCHEN NORTH ELEVATION
SCALE: 1/4" = 1'-0"



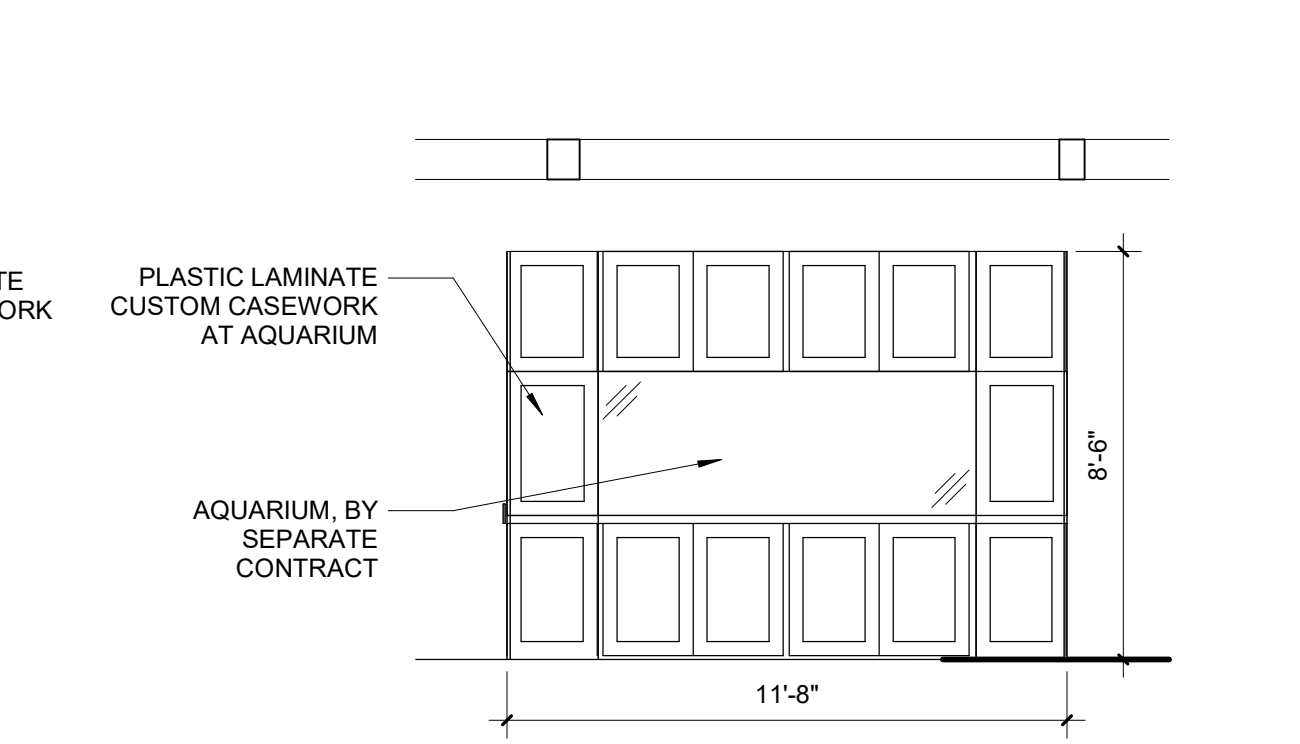
21 KITCHEN WEST ELEVATION
SCALE: 1/4" = 1'-0"



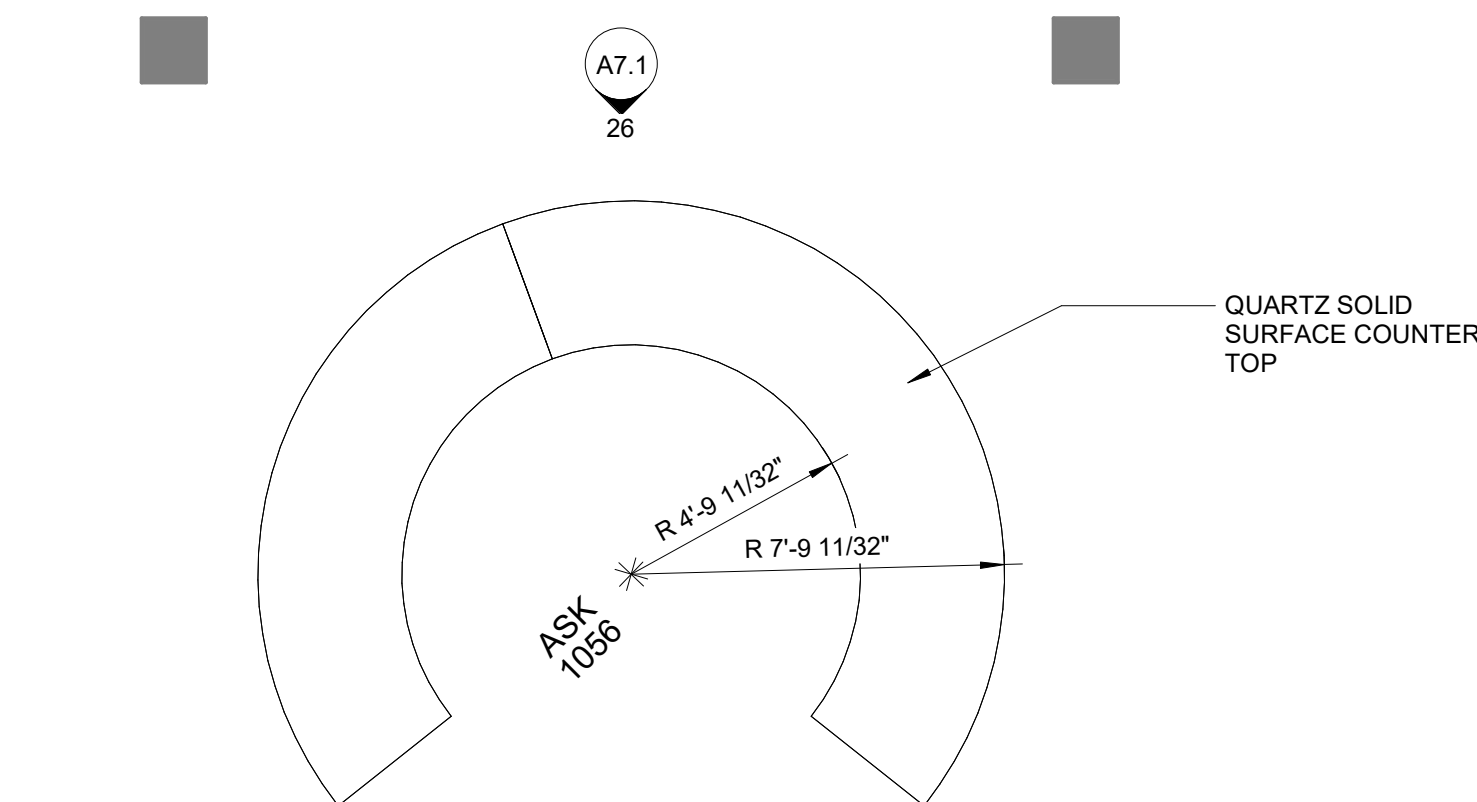
22 AQUARIUM PLAN
SCALE: 1/4" = 1'-0"



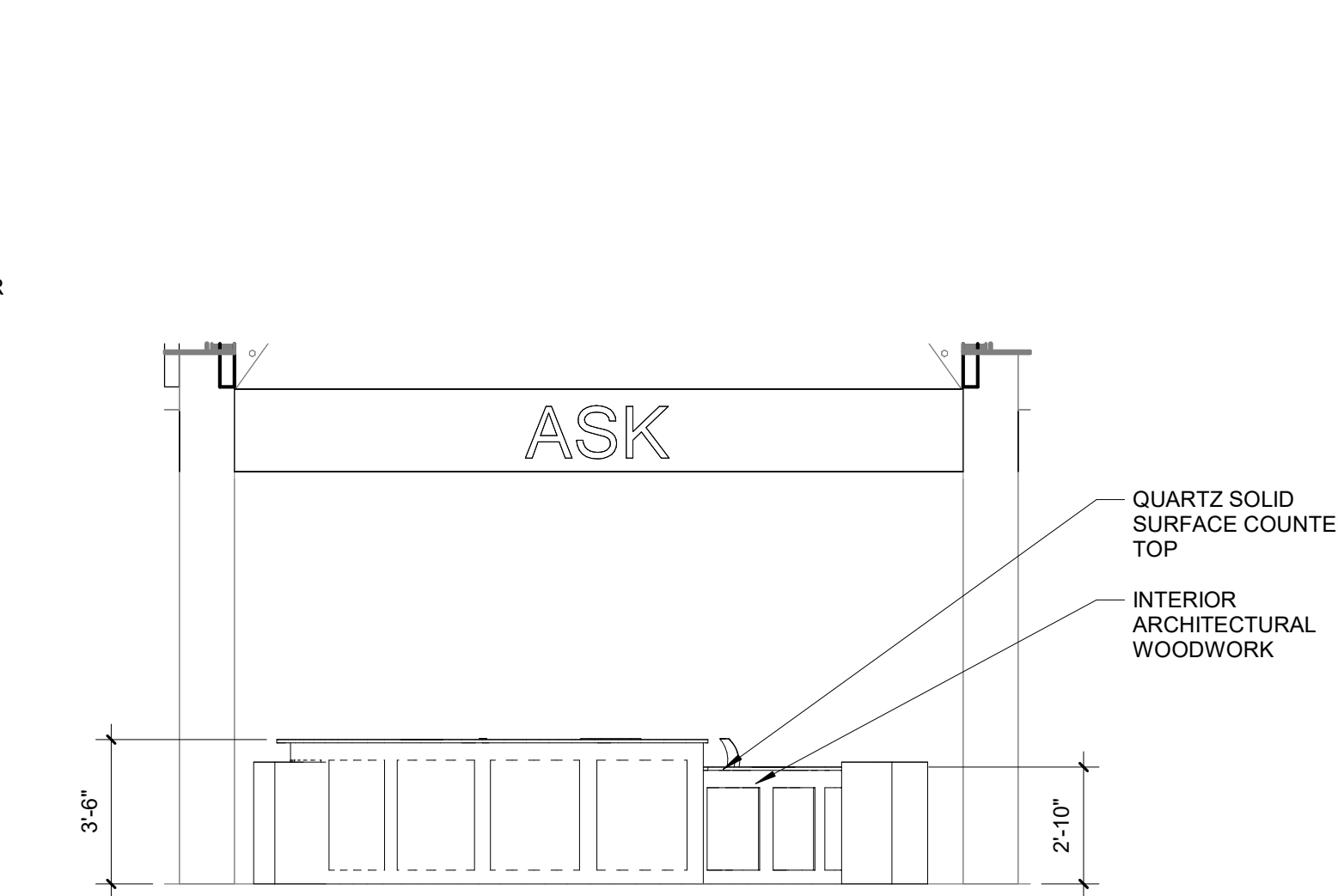
23 AQUARIUM WEST ELEVATION
SCALE: 1/4" = 1'-0"



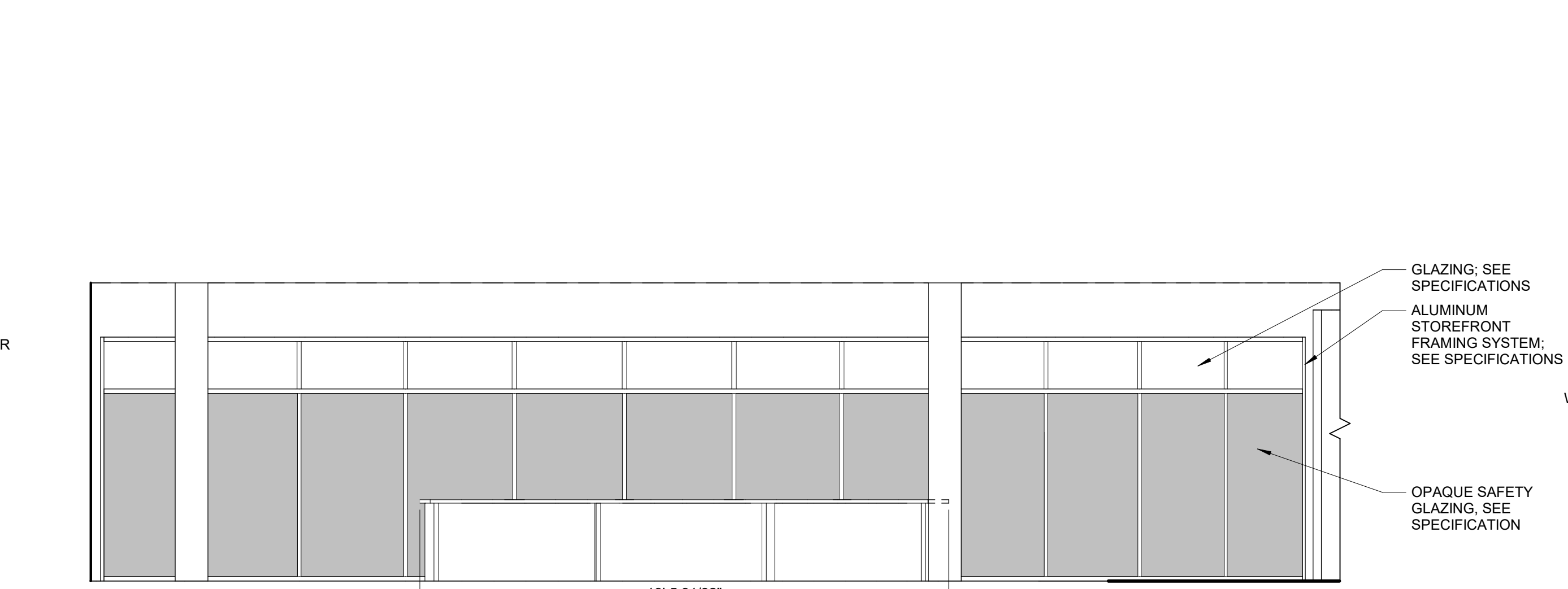
24 AQUARIUM NORTH ELEVATION
SCALE: 1/4" = 1'-0"



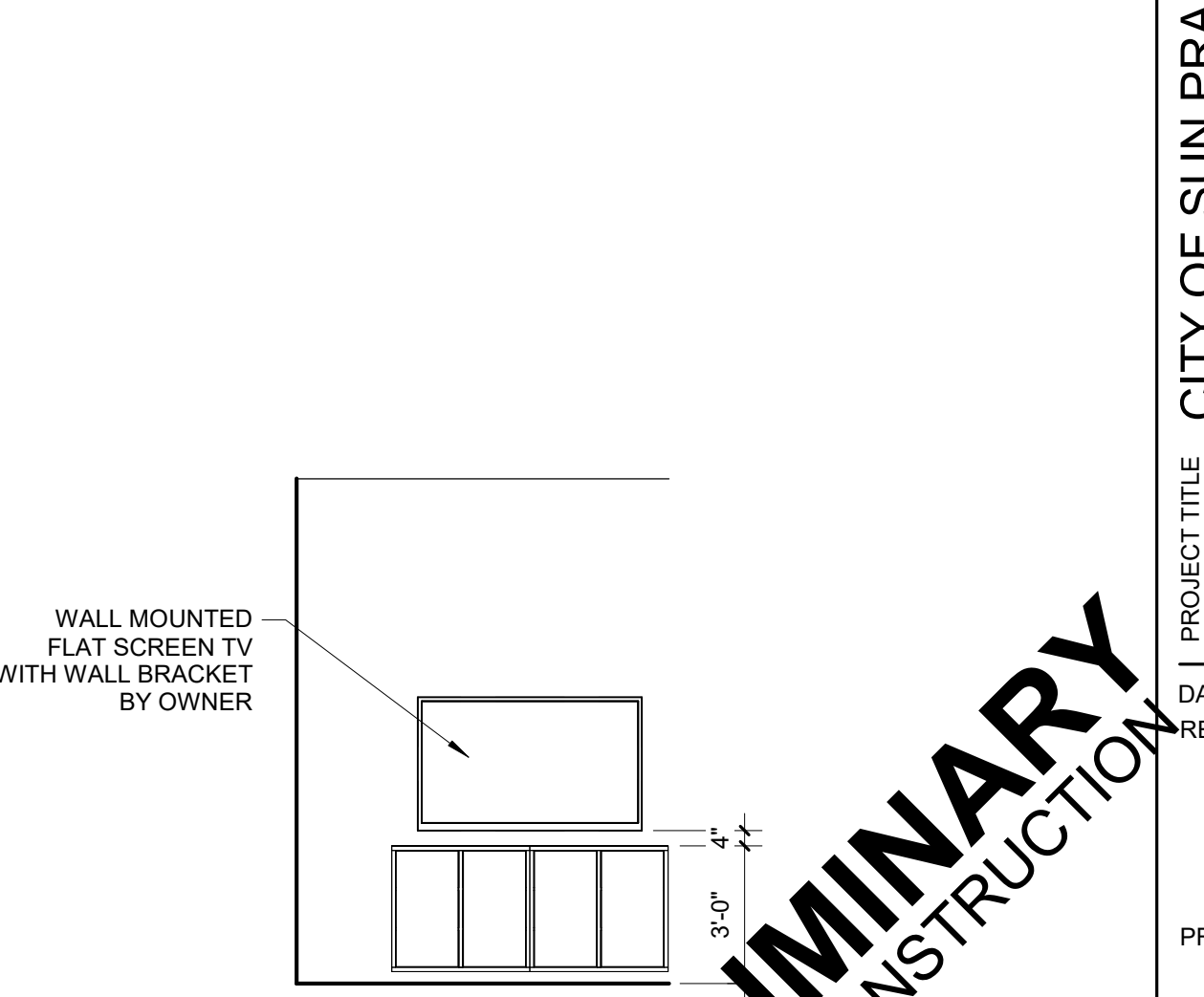
25 ASK DESK PLAN
SCALE: 1/4" = 1'-0"



26 ASK DESK NORTH ELEVATION
SCALE: 1/4" = 1'-0"



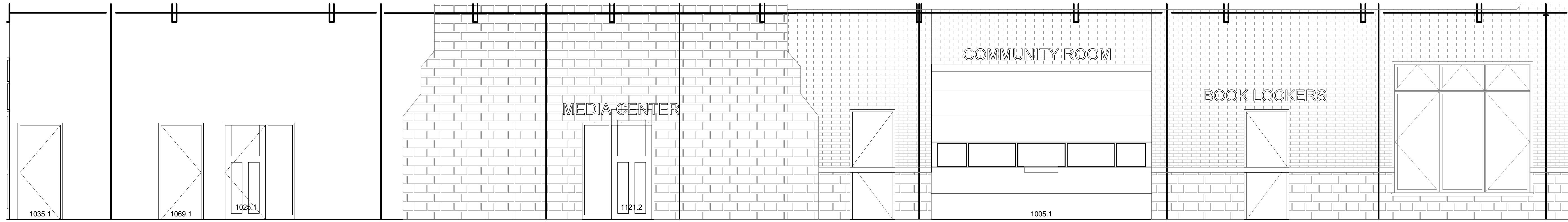
27 TEEN ROOM NORTH ELEVATION
SCALE: 1/4" = 1'-0"



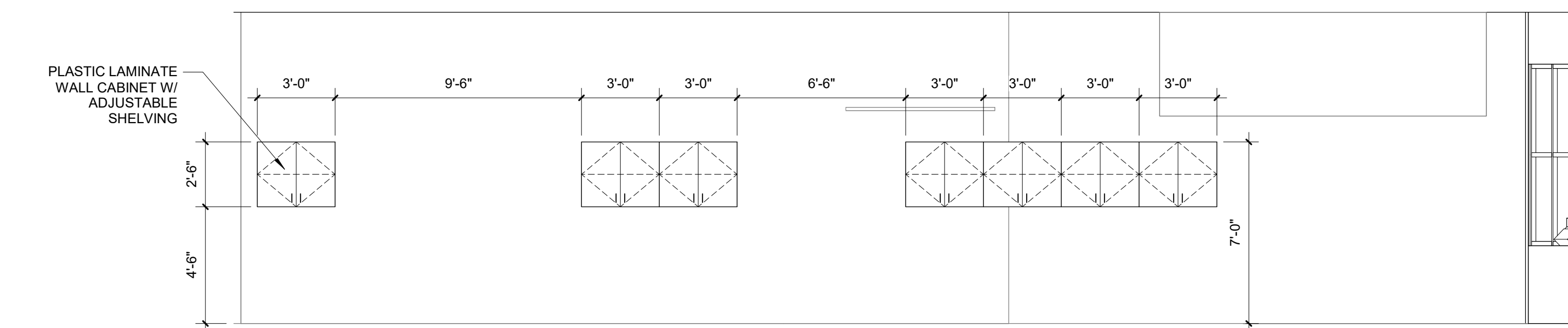
28 TEEN GAMING AREA ELEVATION
SCALE: 1/4" = 1'-0"

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 SNYDER & ASSOCIATES
 DESIGN ENGINEERS
 PROJECT TITLE: CITY OF SUN PRAIRIE
 SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI
 DATE ISSUED: 12/07/2023
 REV. NO. DATE
 PROJECT NUMBER: 2023402
 SHEET: A7.1
 PRELIMINARY NOT FOR CONSTRUCTION

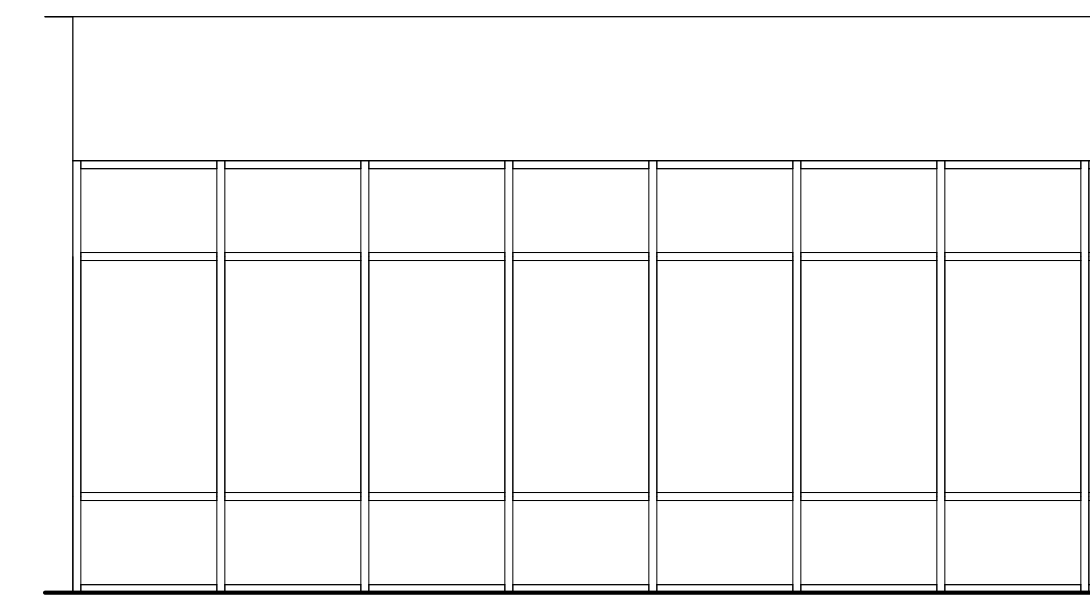
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 12/7/2023 12:25:33 AM



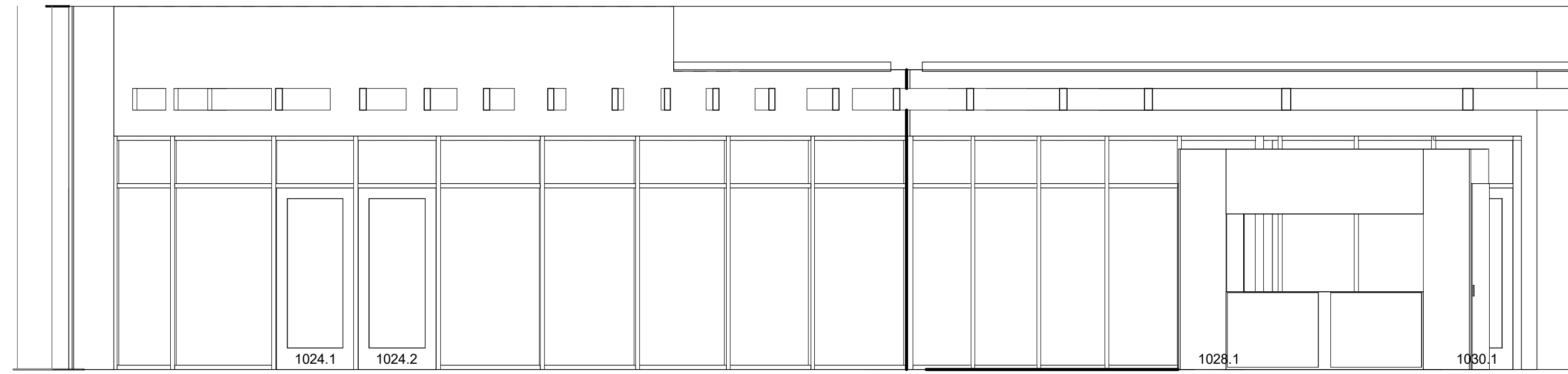
2 ATRIUM SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



3 CIRCULATION STAFF
INTERIOR ELEVATION
SCALE: 1/4" = 1'-0"



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



1 CHILDREN'S ENTRY NORTH
ELEVATION
SCALE: 1/4" = 1'-0"



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SHEET TITLE
INTERIOR ELEVATIONS

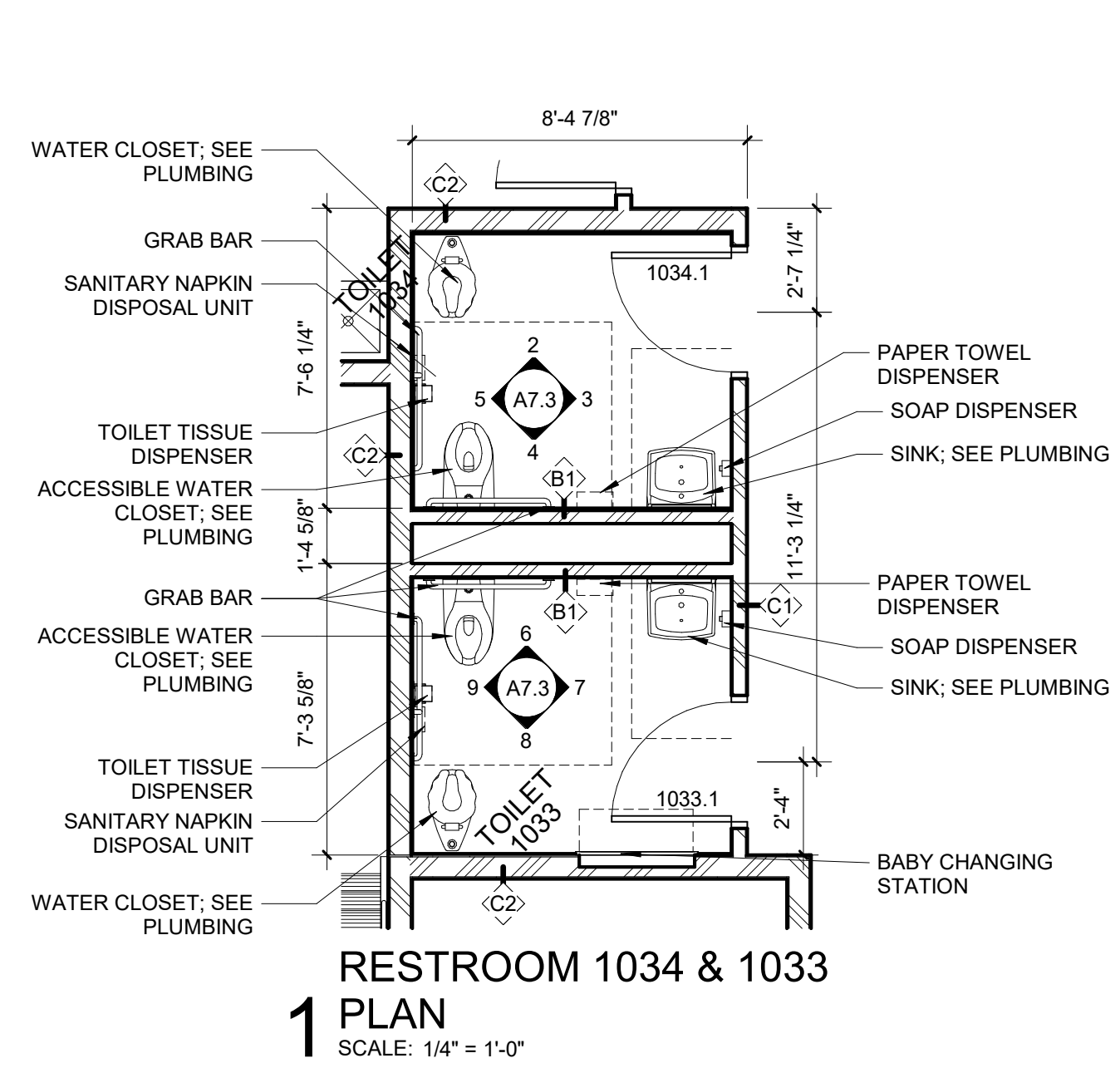
PROJECT TITLE CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/07/2023
REV. NO. DATE

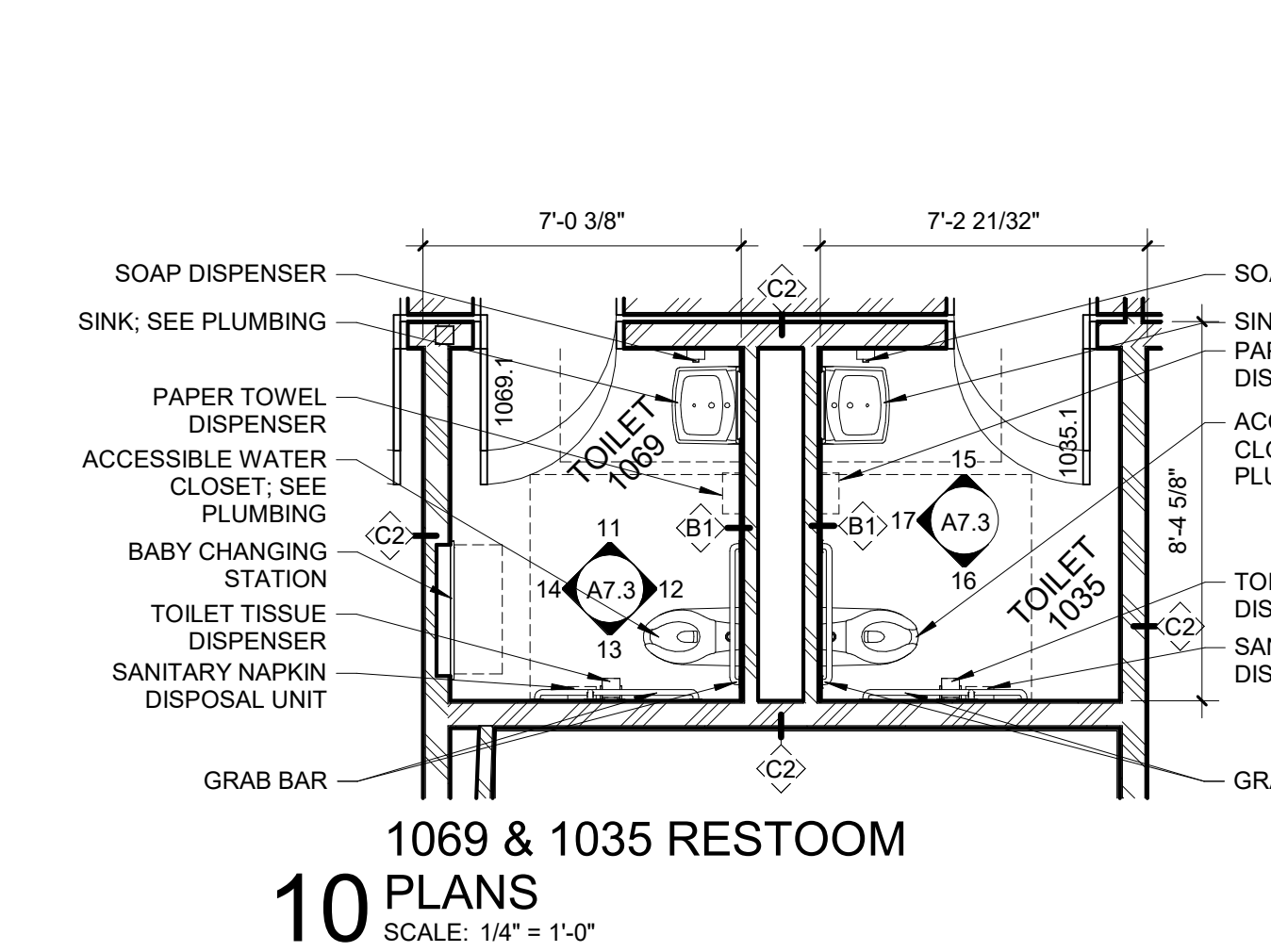
PROJECT NUMBER
2023402

SHEET
A7.2

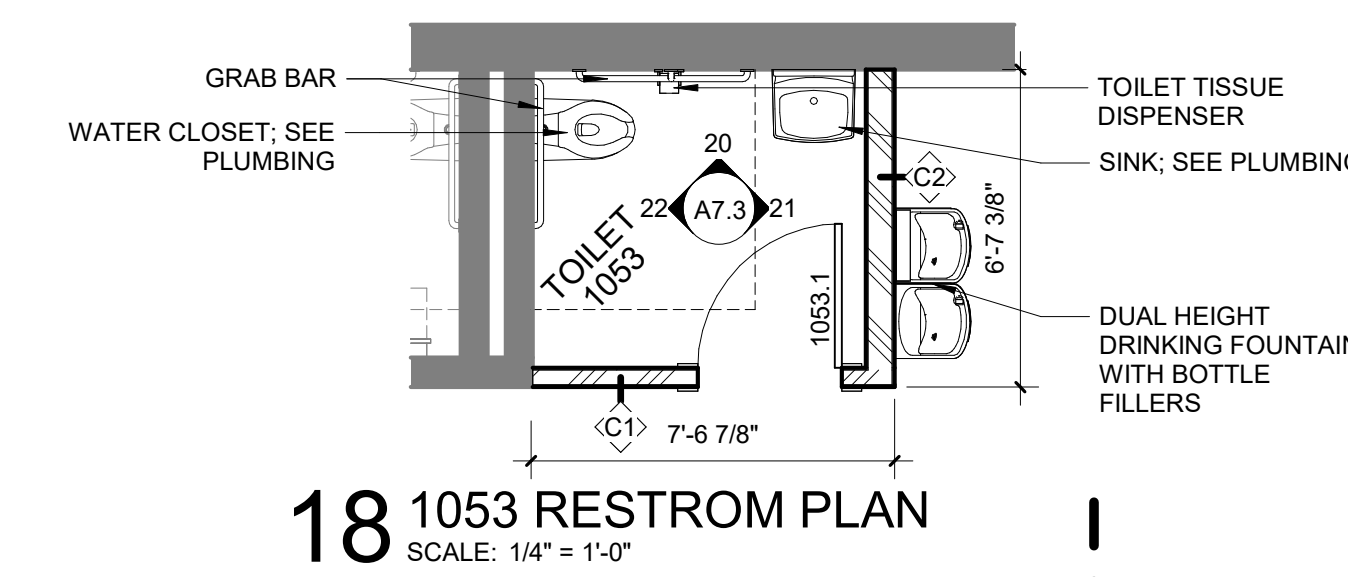
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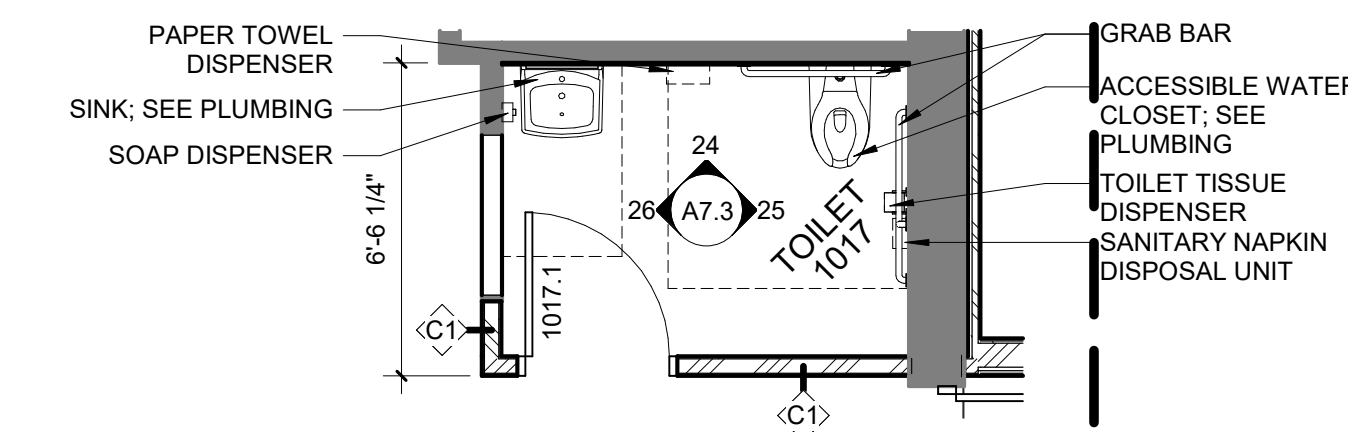
1 RESTROOM 1034 & 1033
SCALE: 1/4" = 1'-0"



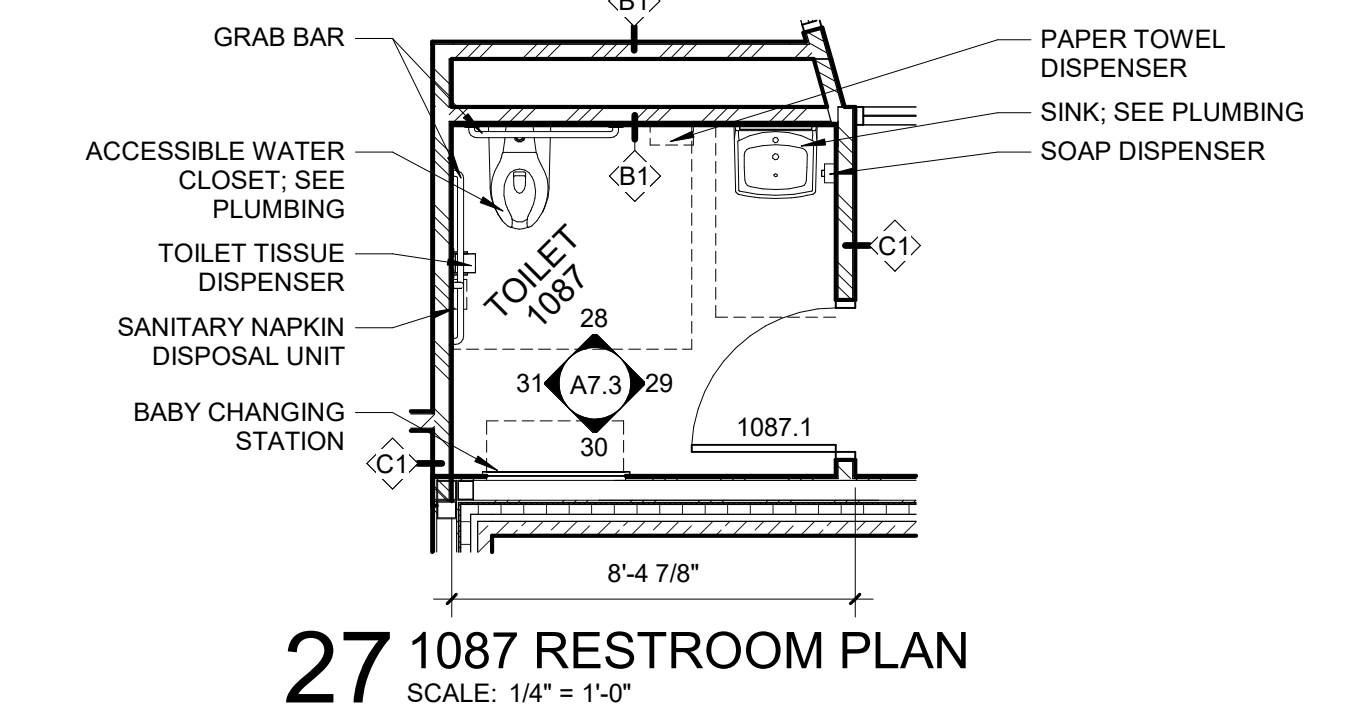
10 1069 & 1035 RESTROOM
SCALE: 1/4" = 1'-0"



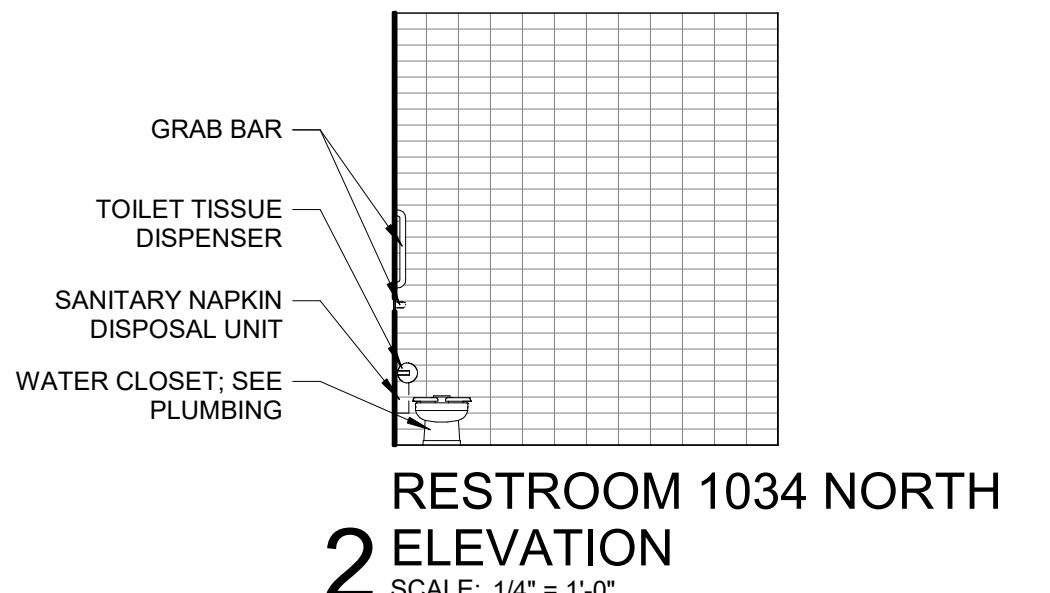
18 1053 RESTROOM PLAN
SCALE: 1/4" = 1'-0"



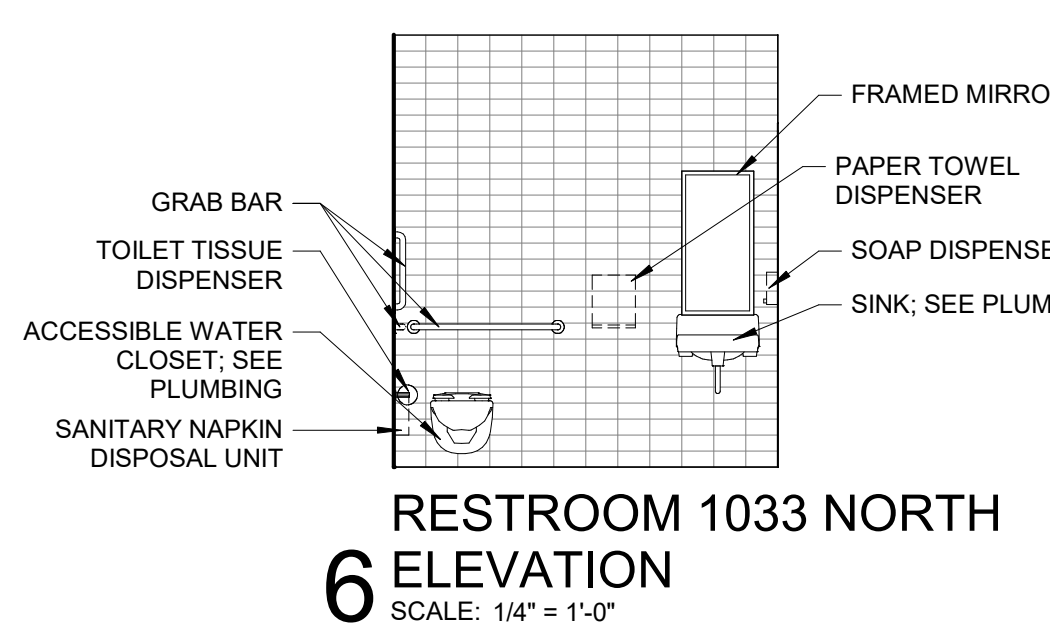
23 1017 RESTROOM PLAN
SCALE: 1/4" = 1'-0"



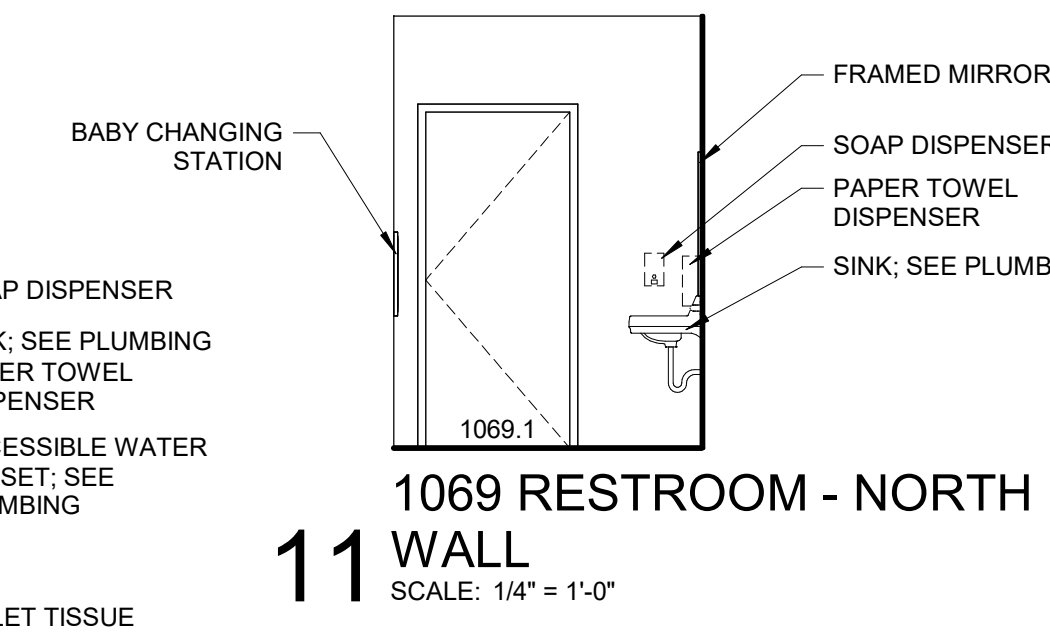
27 1087 RESTROOM PLAN
SCALE: 1/4" = 1'-0"



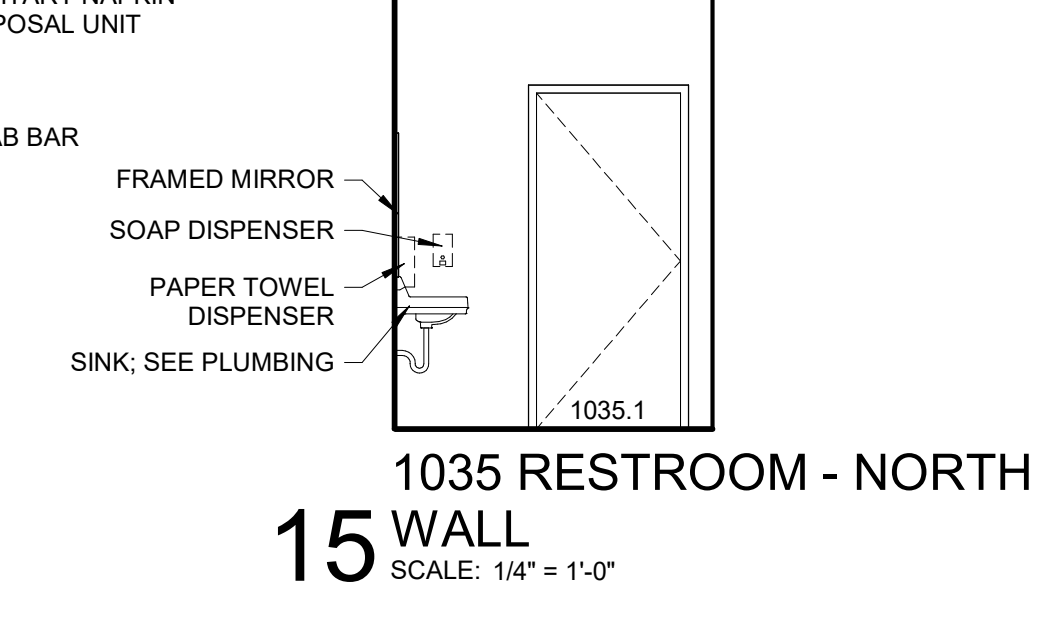
2 RESTROOM 1034 NORTH
ELEVATION
SCALE: 1/4" = 1'-0"



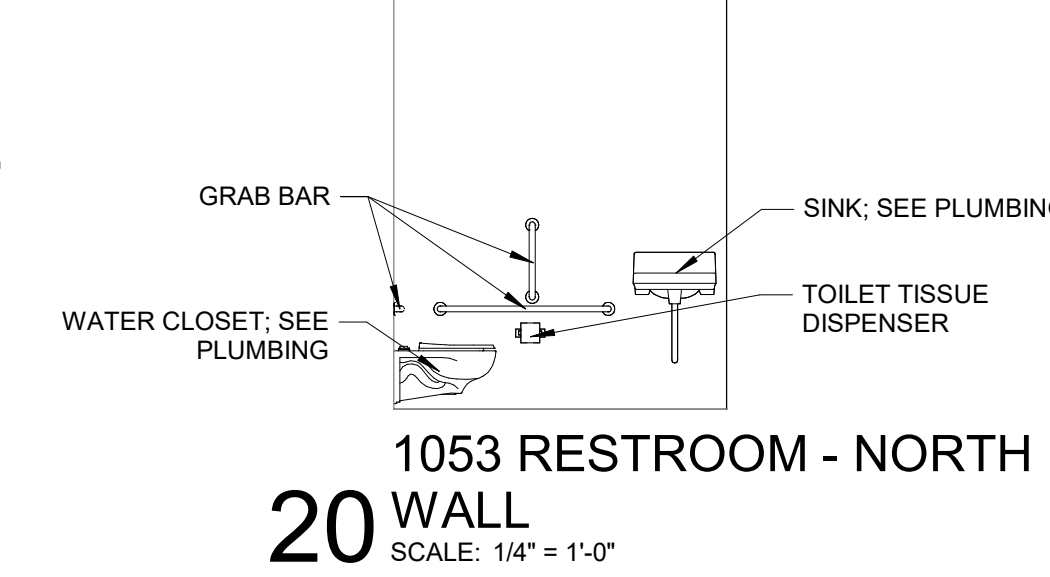
6 RESTROOM 1033 NORTH
ELEVATION
SCALE: 1/4" = 1'-0"



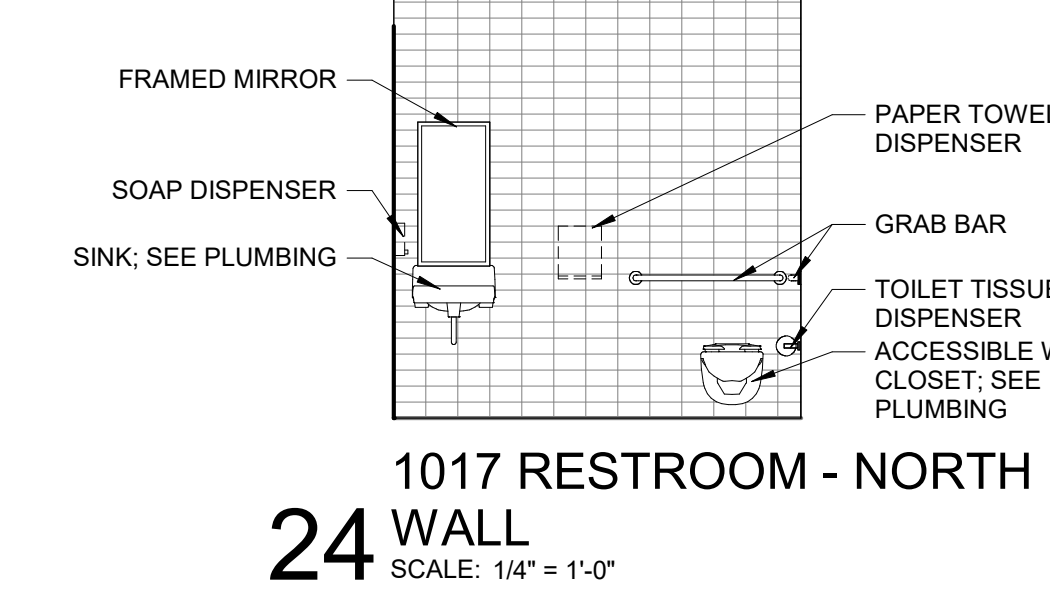
11 1069 RESTROOM - NORTH
WALL
SCALE: 1/4" = 1'-0"



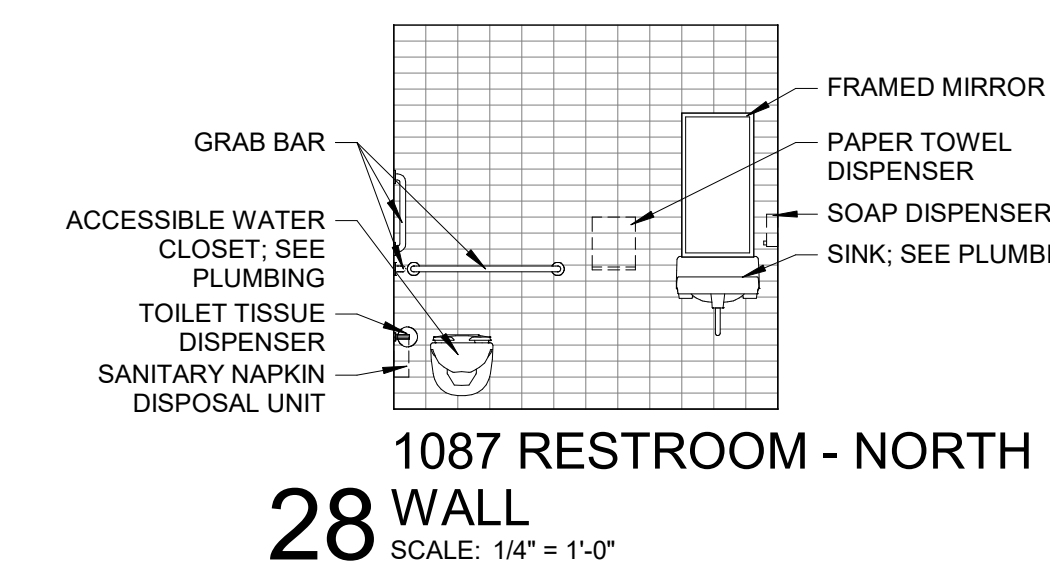
15 1035 RESTROOM - NORTH
WALL
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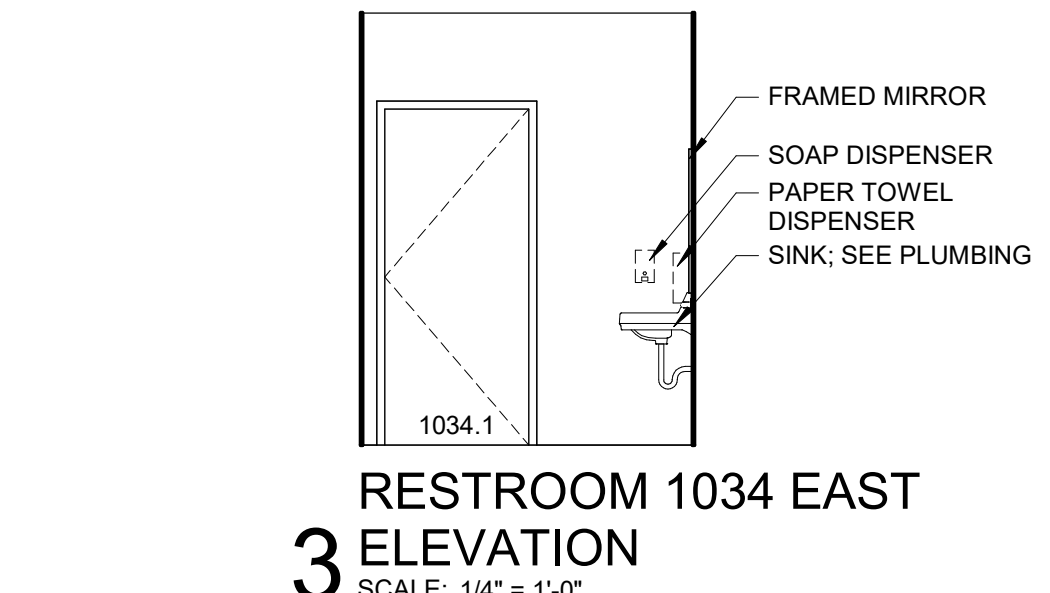
20 1053 RESTROOM - NORTH
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SCALE: 1/4" = 1'-0"



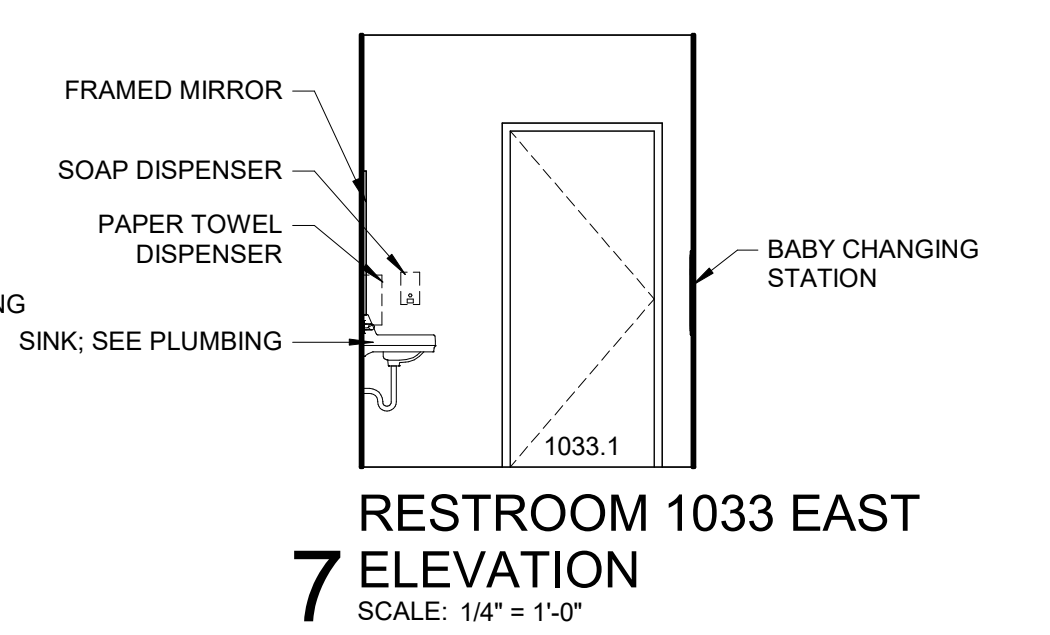
24 1017 RESTROOM - NORTH
WALL
SCALE: 1/4" = 1'-0"



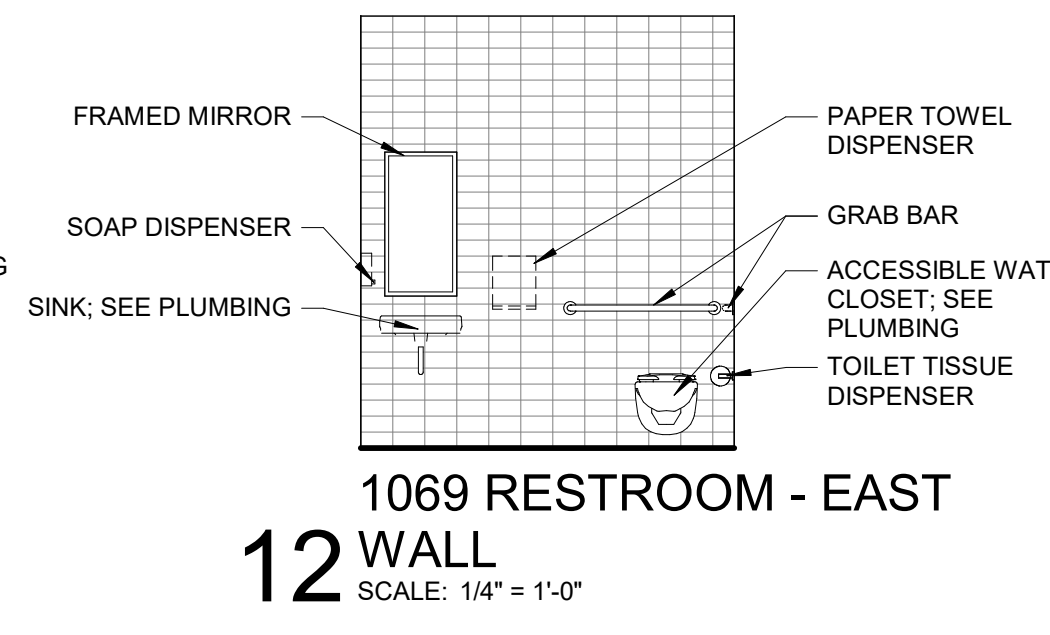
28 1087 RESTROOM - NORTH
WALL
SCALE: 1/4" = 1'-0"



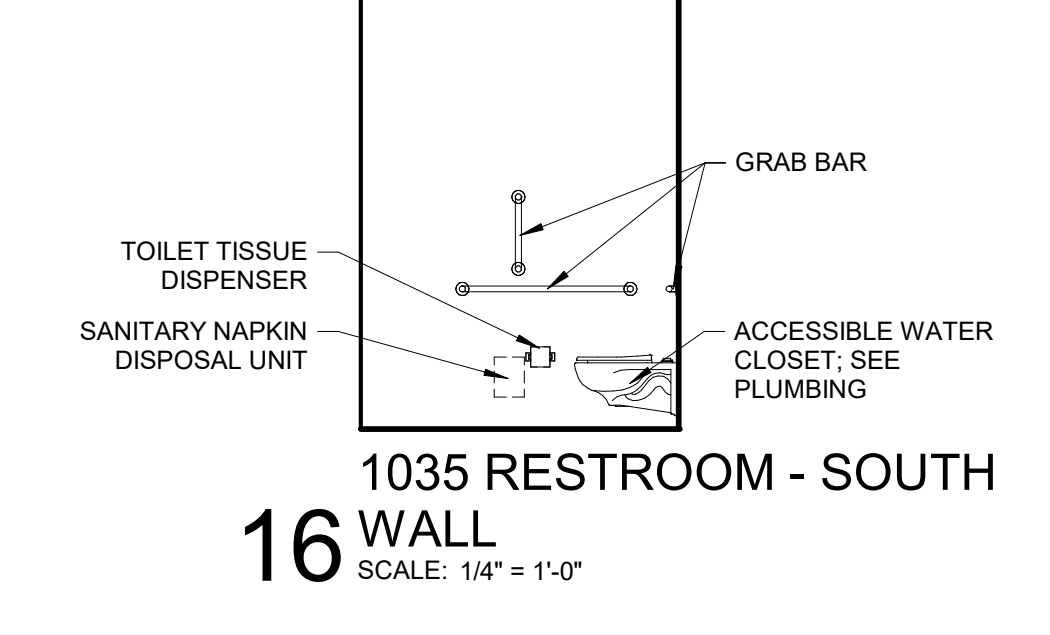
3 RESTROOM 1034 EAST
ELEVATION
SCALE: 1/4" = 1'-0"



7 RESTROOM 1033 EAST
ELEVATION
SCALE: 1/4" = 1'-0"



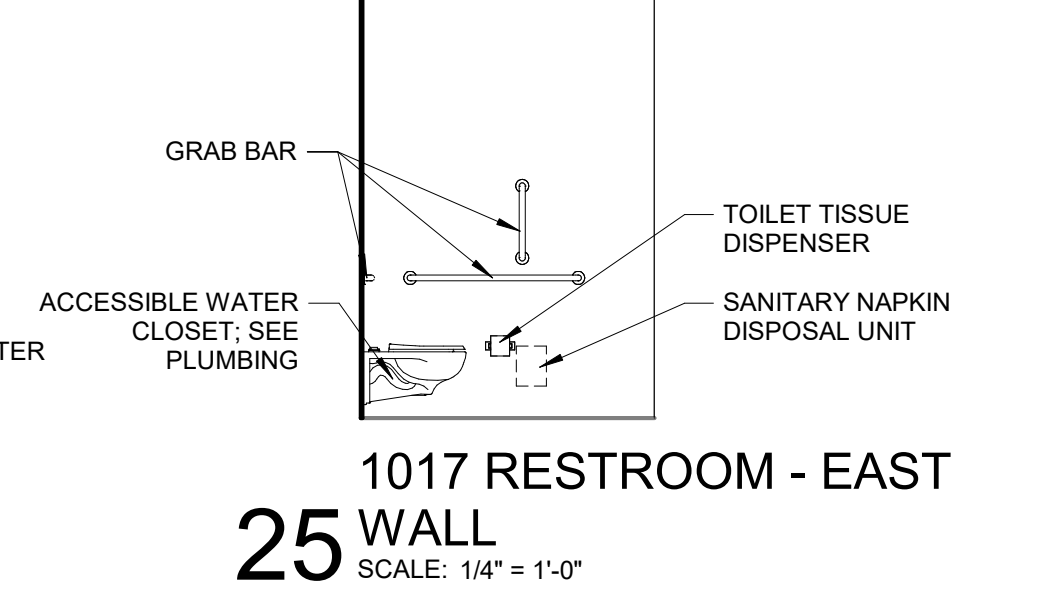
12 1069 RESTROOM - EAST
WALL
SCALE: 1/4" = 1'-0"



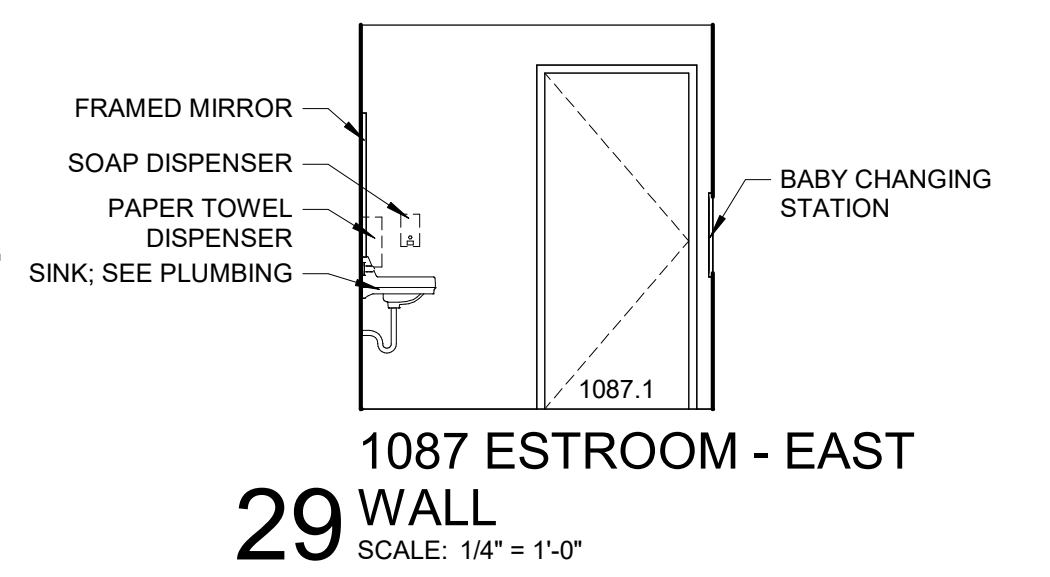
16 1035 RESTROOM - SOUTH
WALL
SCALE: 1/4" = 1'-0"



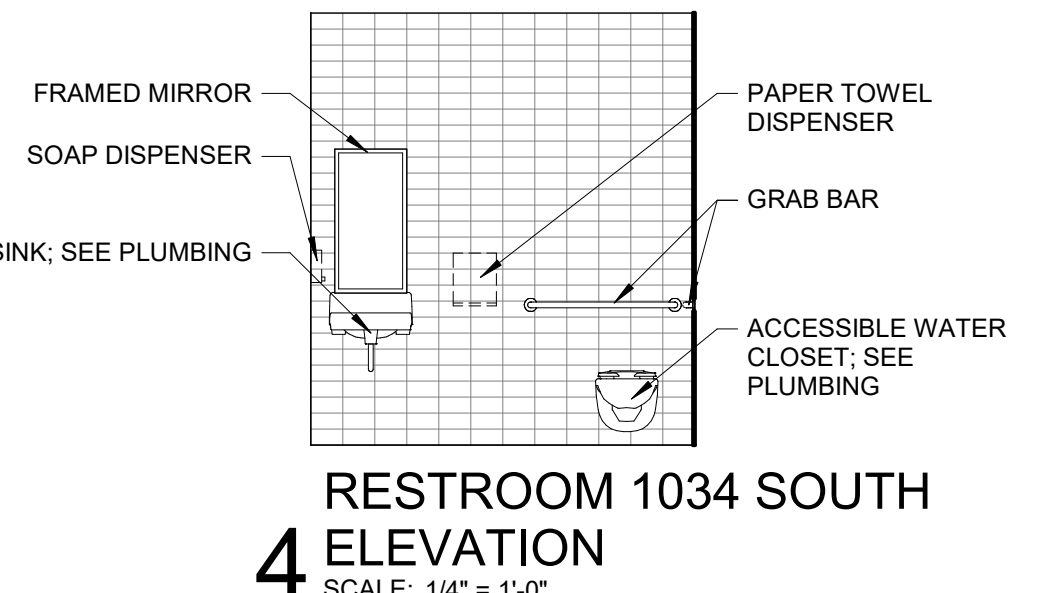
21 1053 RESTROOM - EAST
WALL
SCALE: 1/4" = 1'-0"



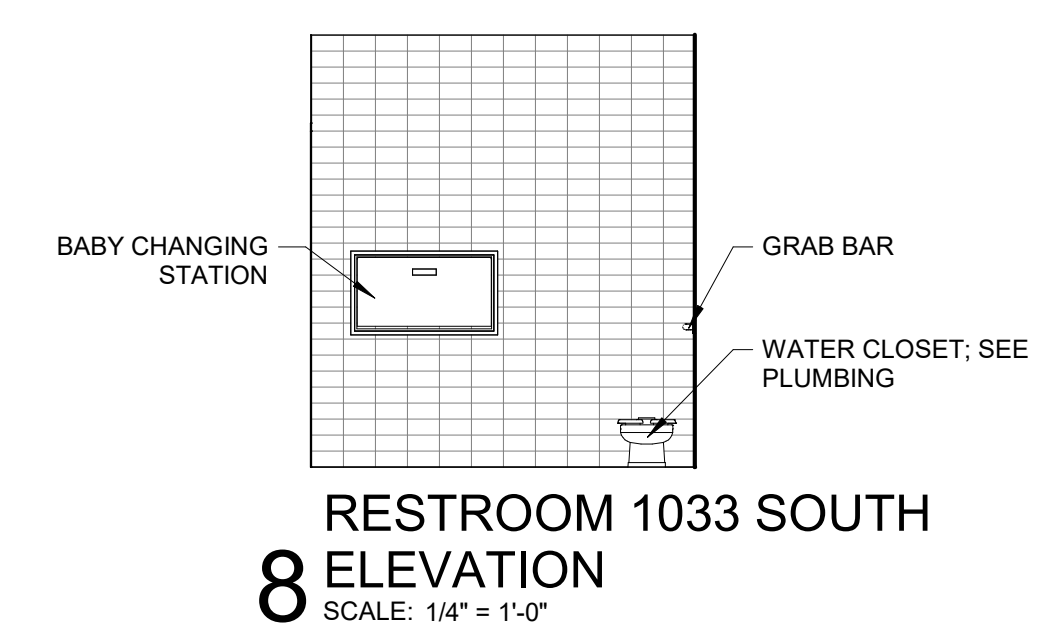
25 1017 RESTROOM - EAST
WALL
SCALE: 1/4" = 1'-0"



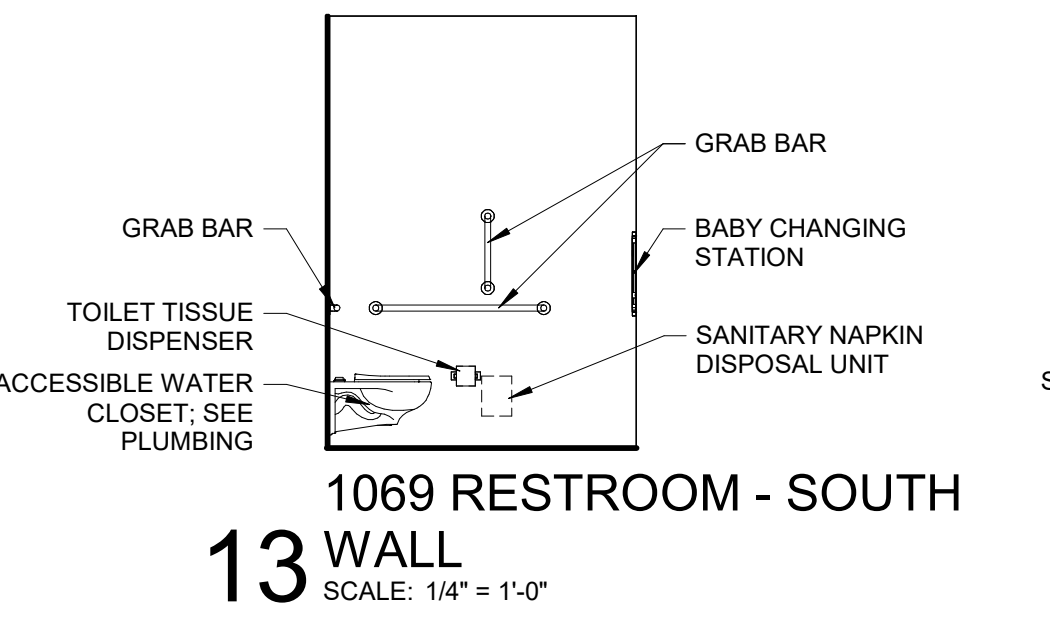
29 1087 RESTROOM - EAST
WALL
SCALE: 1/4" = 1'-0"



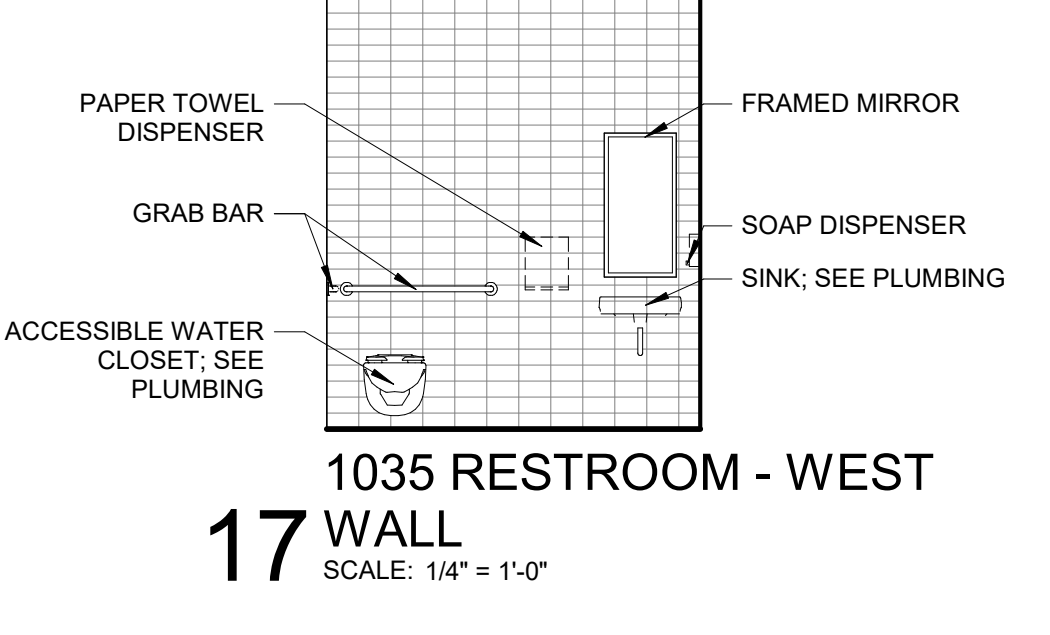
4 RESTROOM 1034 SOUTH
ELEVATION
SCALE: 1/4" = 1'-0"



8 RESTROOM 1033 SOUTH
ELEVATION
SCALE: 1/4" = 1'-0"



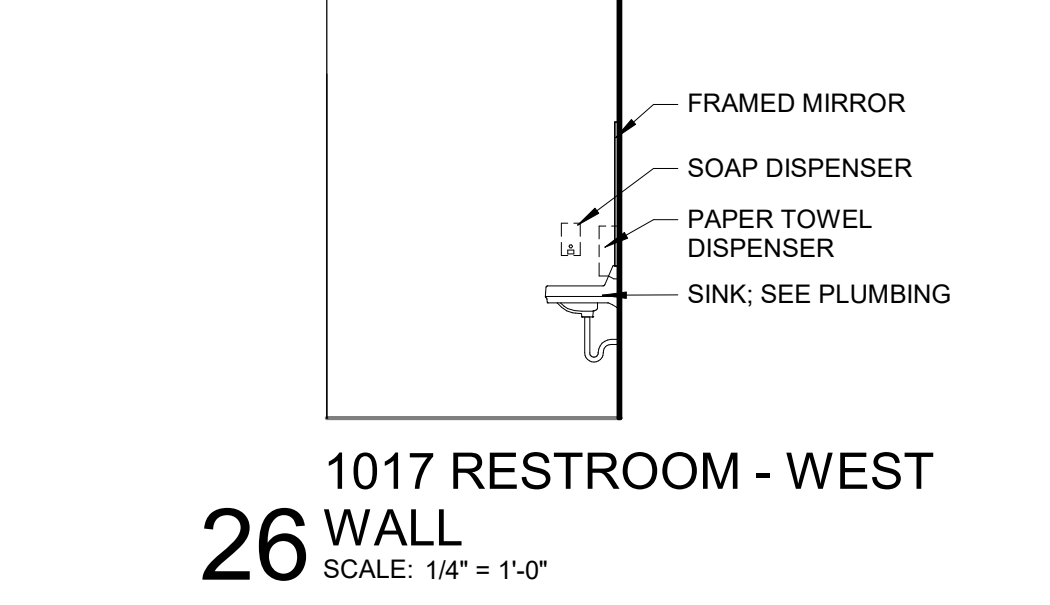
13 1069 RESTROOM - SOUTH
WALL
SCALE: 1/4" = 1'-0"



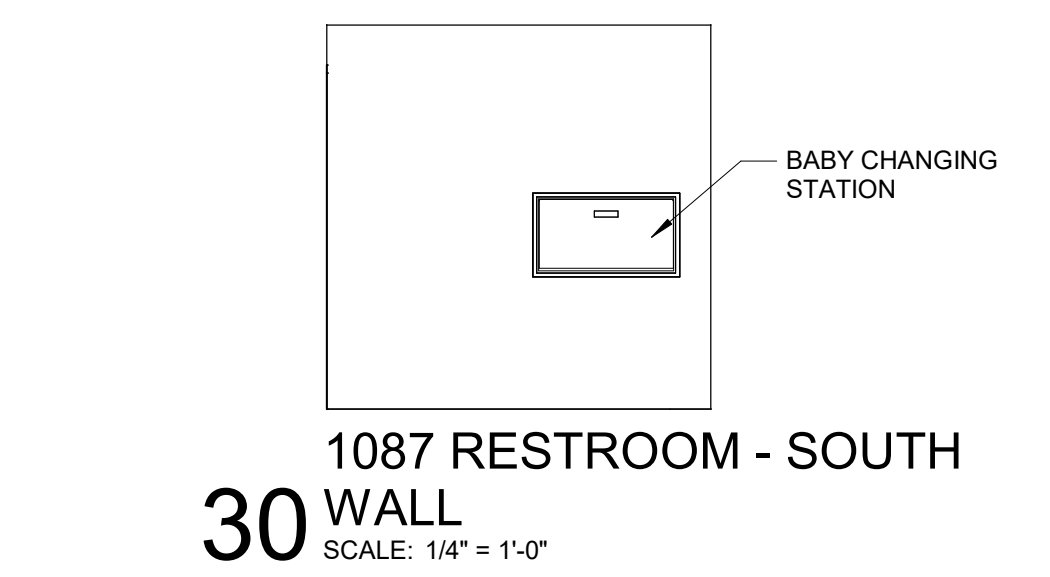
17 1035 RESTROOM - WEST
WALL
SCALE: 1/4" = 1'-0"



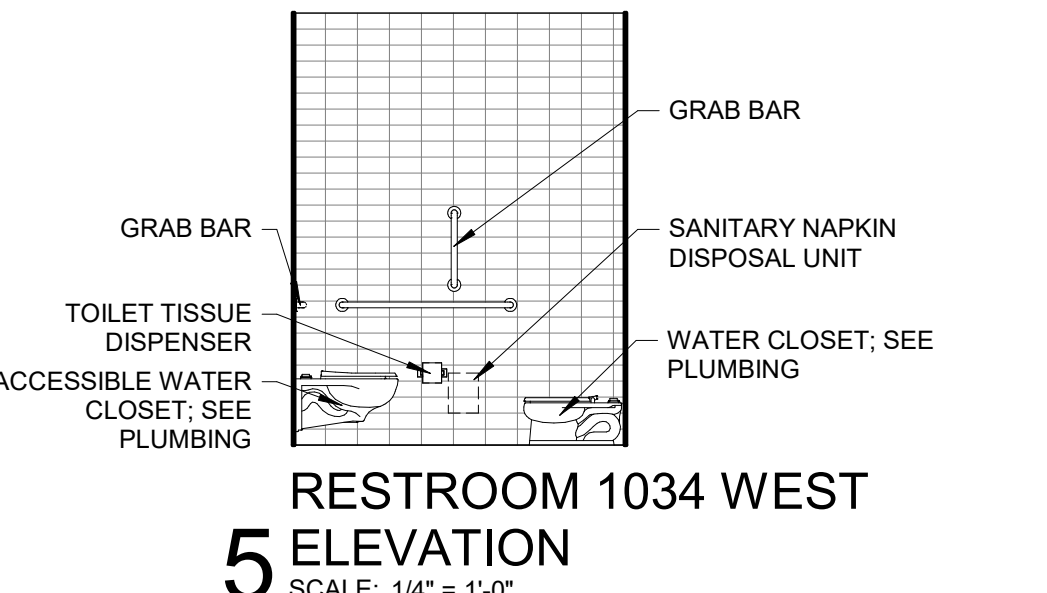
22 1053 RESTROOM - WEST
WALL
SCALE: 1/4" = 1'-0"



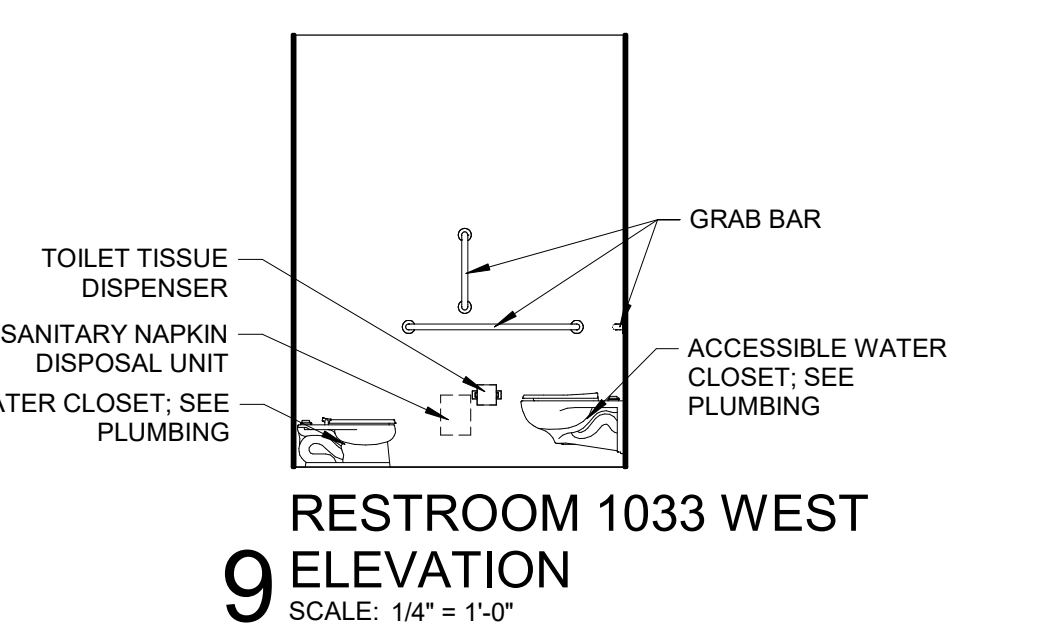
26 1017 RESTROOM - WEST
WALL
SCALE: 1/4" = 1'-0"



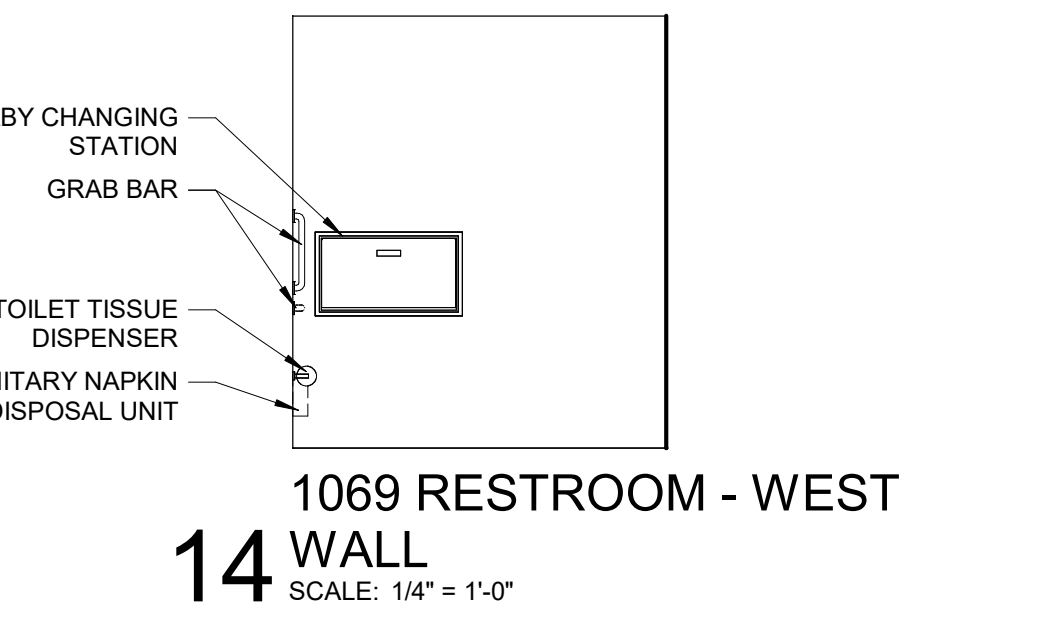
30 1087 RESTROOM - SOUTH
WALL
SCALE: 1/4" = 1'-0"



5 RESTROOM 1034 WEST
ELEVATION
SCALE: 1/4" = 1'-0"



9 RESTROOM 1033 WEST
ELEVATION
SCALE: 1/4" = 1'-0"



14 1069 RESTROOM - WEST
WALL
SCALE: 1/4" = 1'-0"



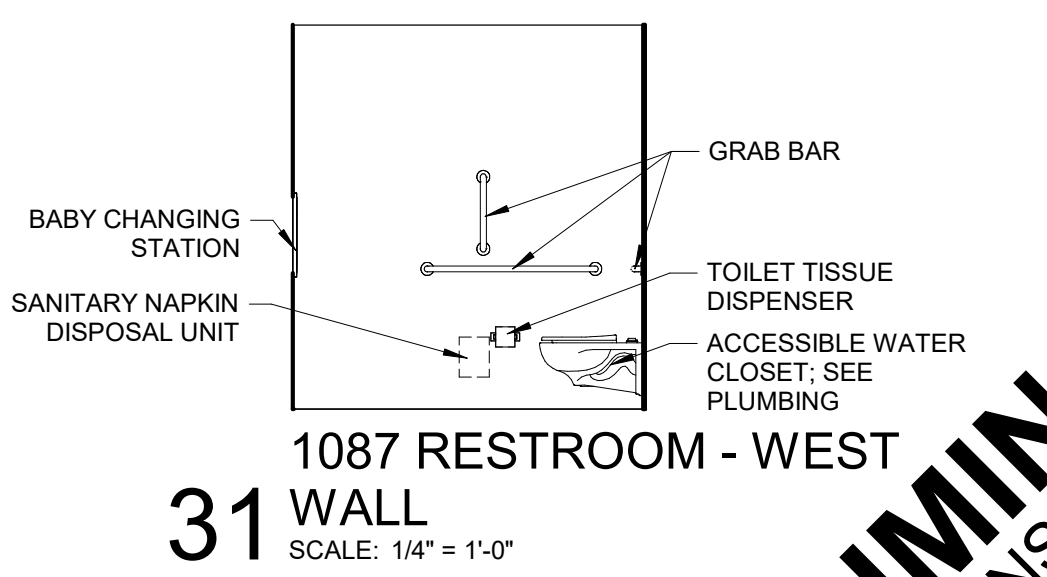
17 1035 RESTROOM - SOUTH
WALL
SCALE: 1/4" = 1'-0"



22 1053 RESTROOM - WEST
WALL
SCALE: 1/4" = 1'-0"

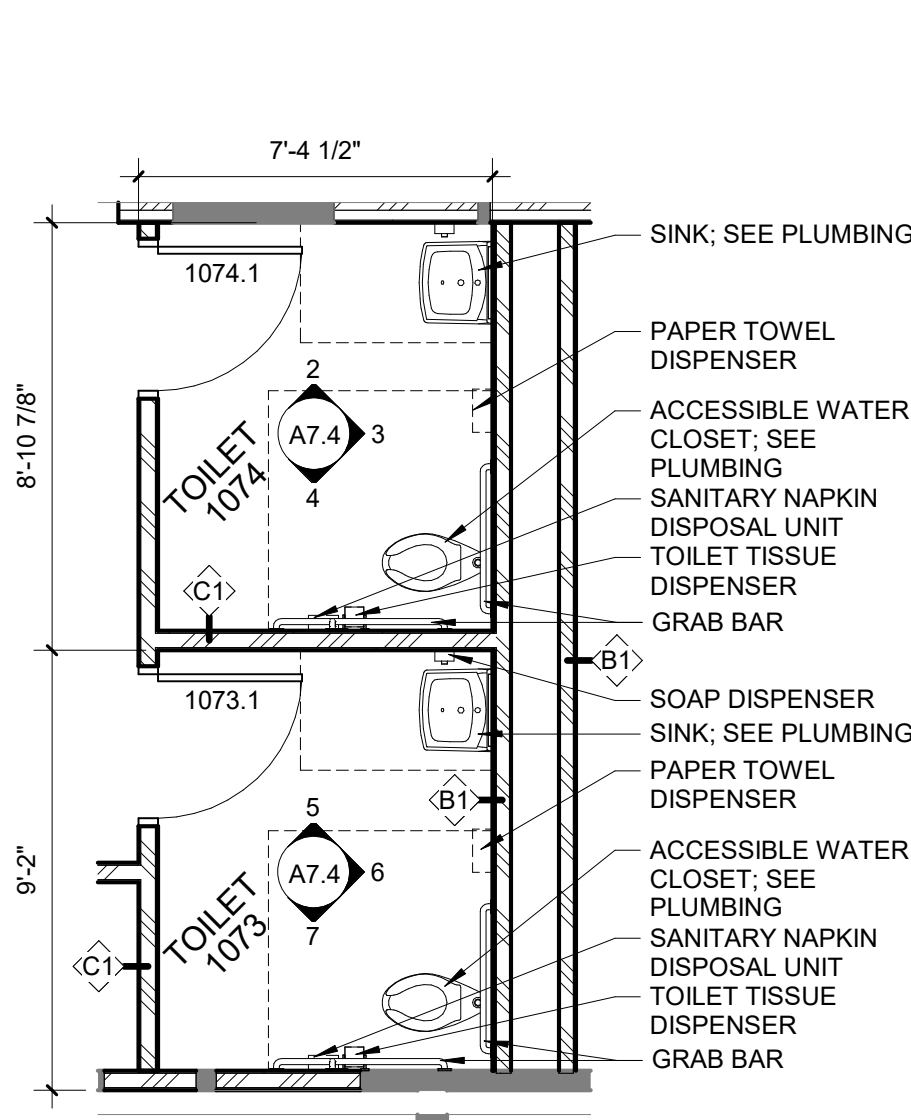


26 1017 RESTROOM - WEST
WALL
SCALE: 1/4" = 1'-0"

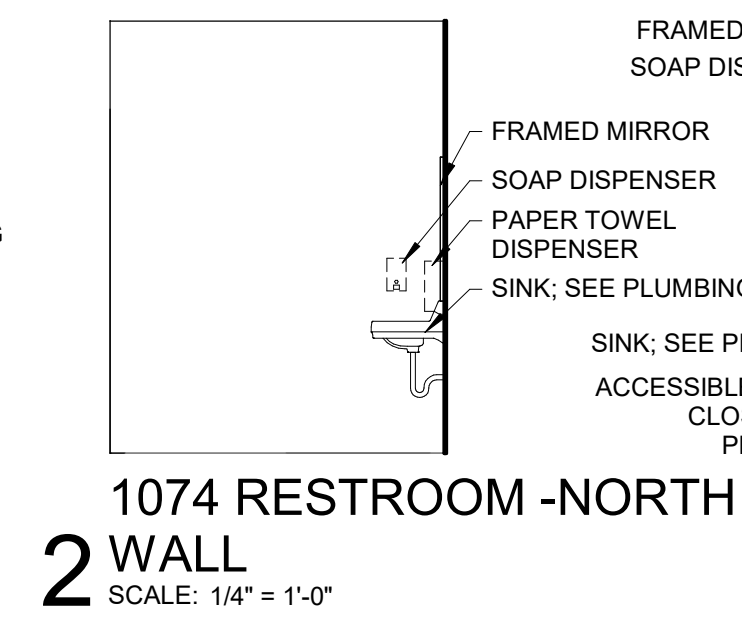


31 1087 RESTROOM - WEST
WALL
SCALE: 1/4" = 1'-0"

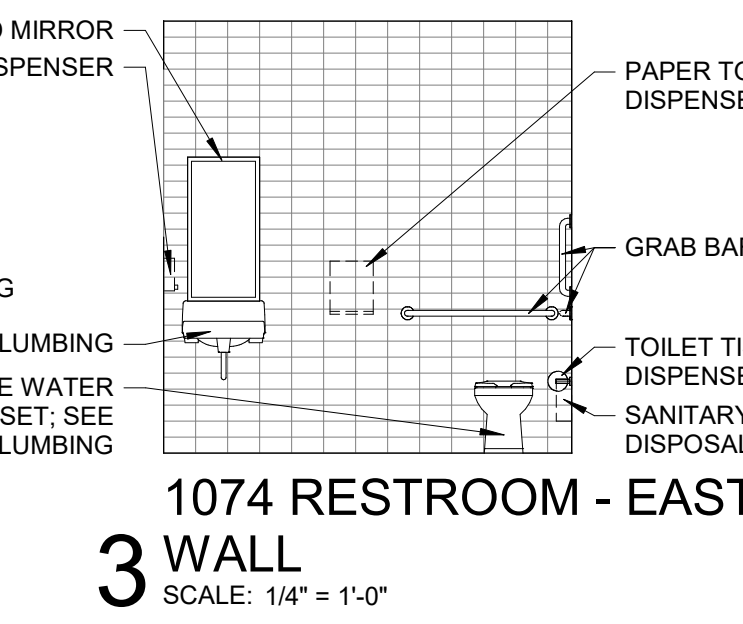
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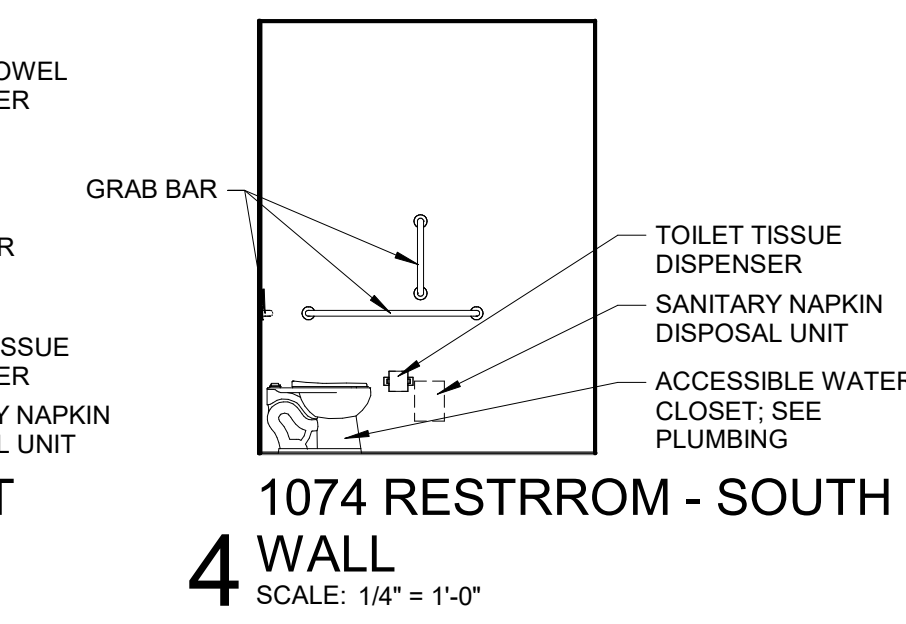
1 1074 & 1073 RESTROOM PLANS
SCALE: 1/4" = 1'-0"



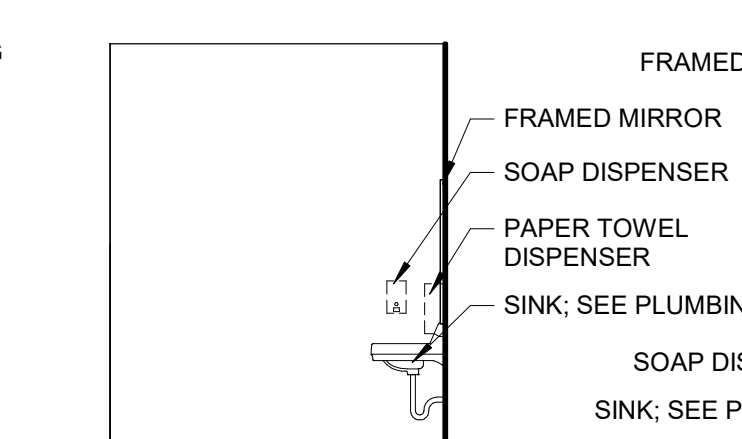
2 1074 RESTROOM - NORTH WALL
SCALE: 1/4" = 1'-0"



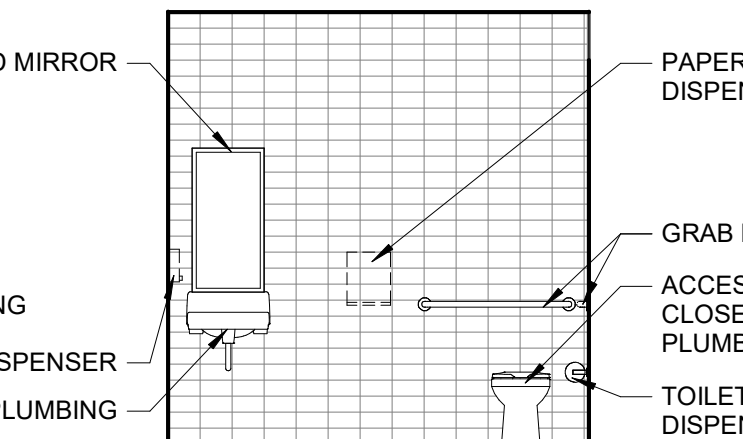
3 1074 RESTROOM - EAST WALL
SCALE: 1/4" = 1'-0"



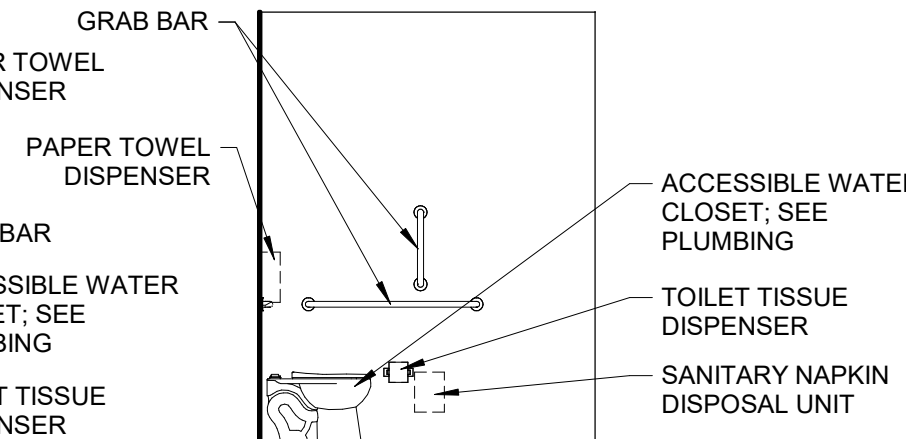
4 1074 RESTROOM - SOUTH WALL
SCALE: 1/4" = 1'-0"



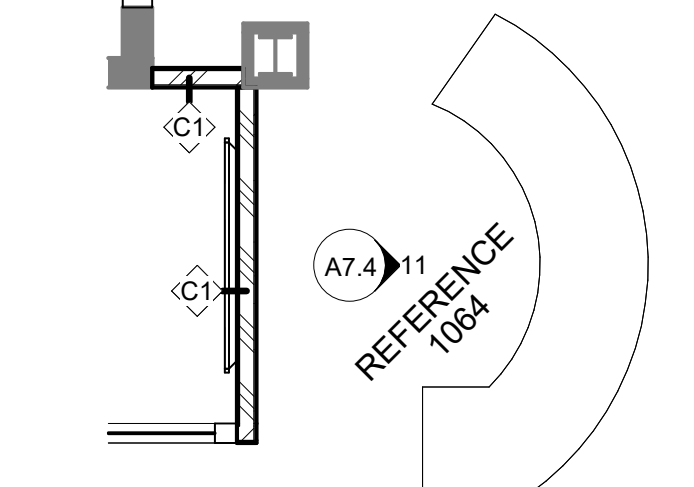
5 1073 RESTROOM - NORTH WALL
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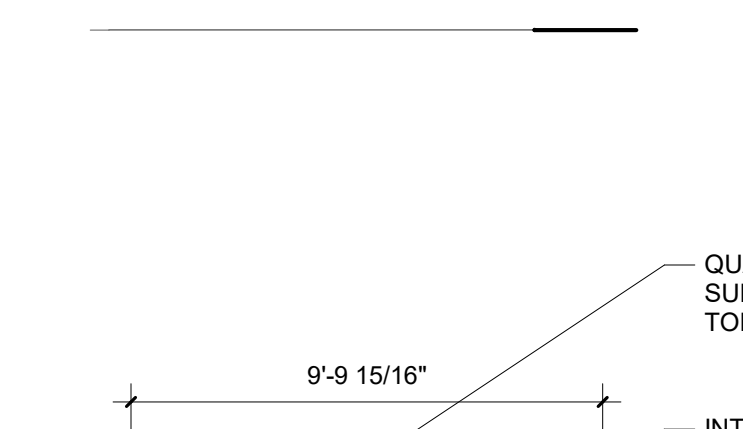
6 1073 RESTROOM - EAST WALL
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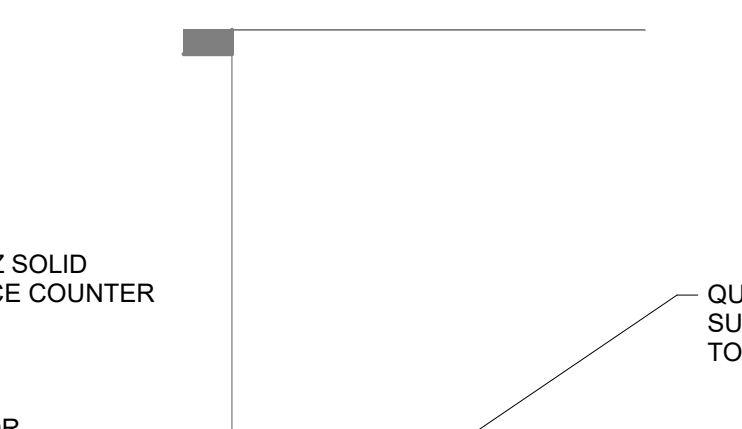
7 1073 RESTROOM - SOUTH WALL
SCALE: 1/4" = 1'-0"



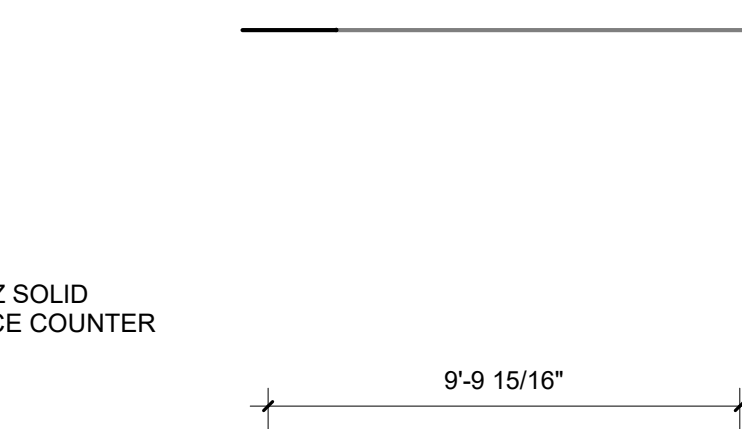
8 REFERENCE DESK PLAN
SCALE: 1/4" = 1'-0"



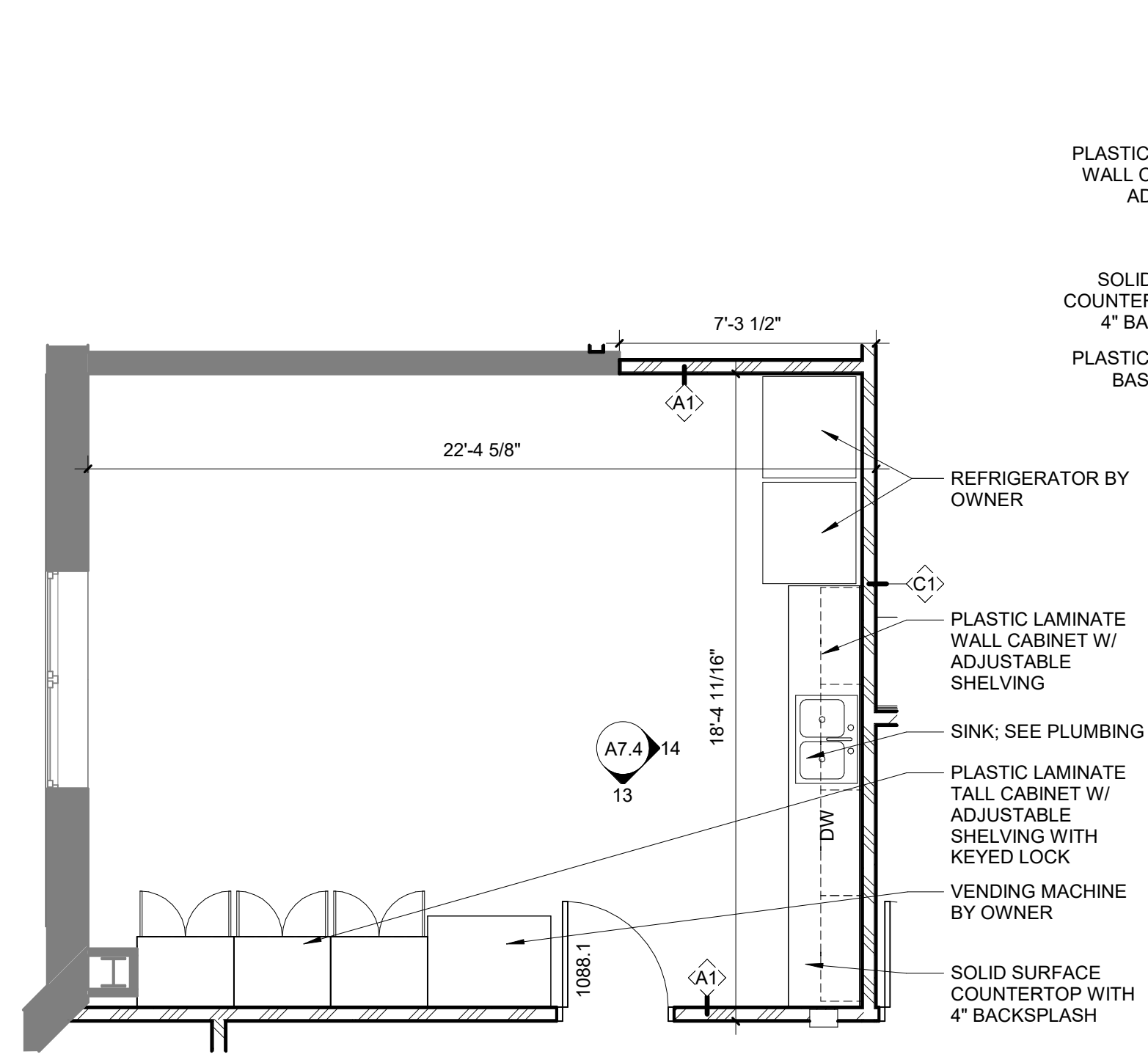
9 REFERENCE DESK FRONT FACE
SCALE: 1/4" = 1'-0"



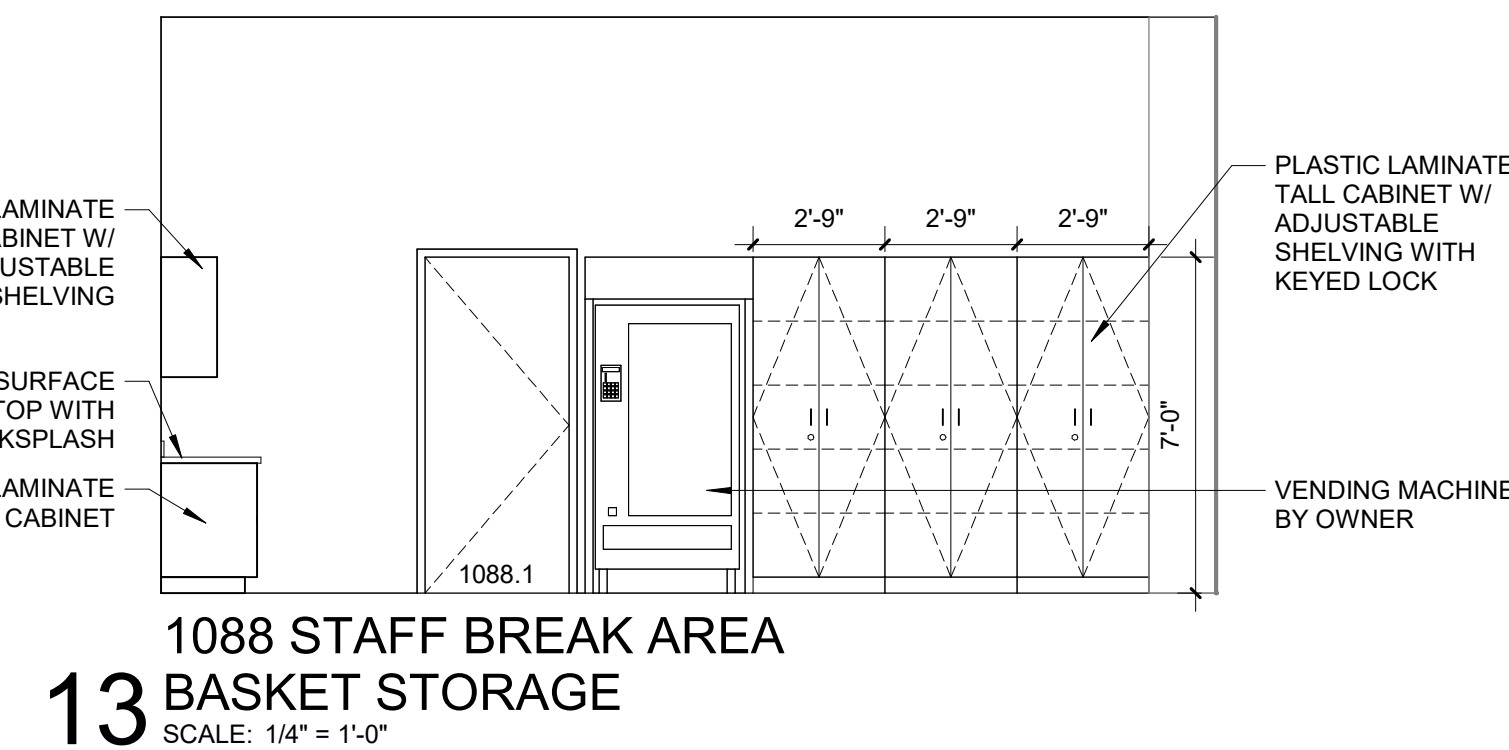
10 REFERENCE DESK SIDE FACE
SCALE: 1/4" = 1'-0"



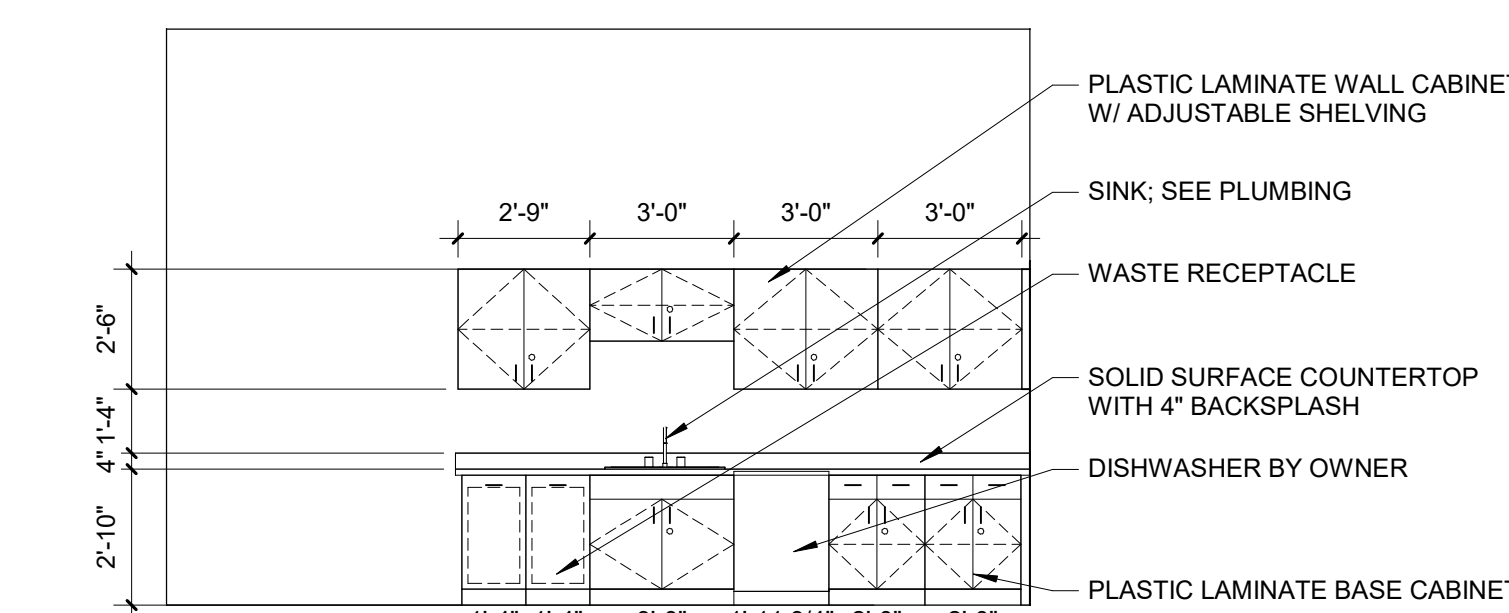
11 REFERENCE DESK BACK FACE
SCALE: 1/4" = 1'-0"



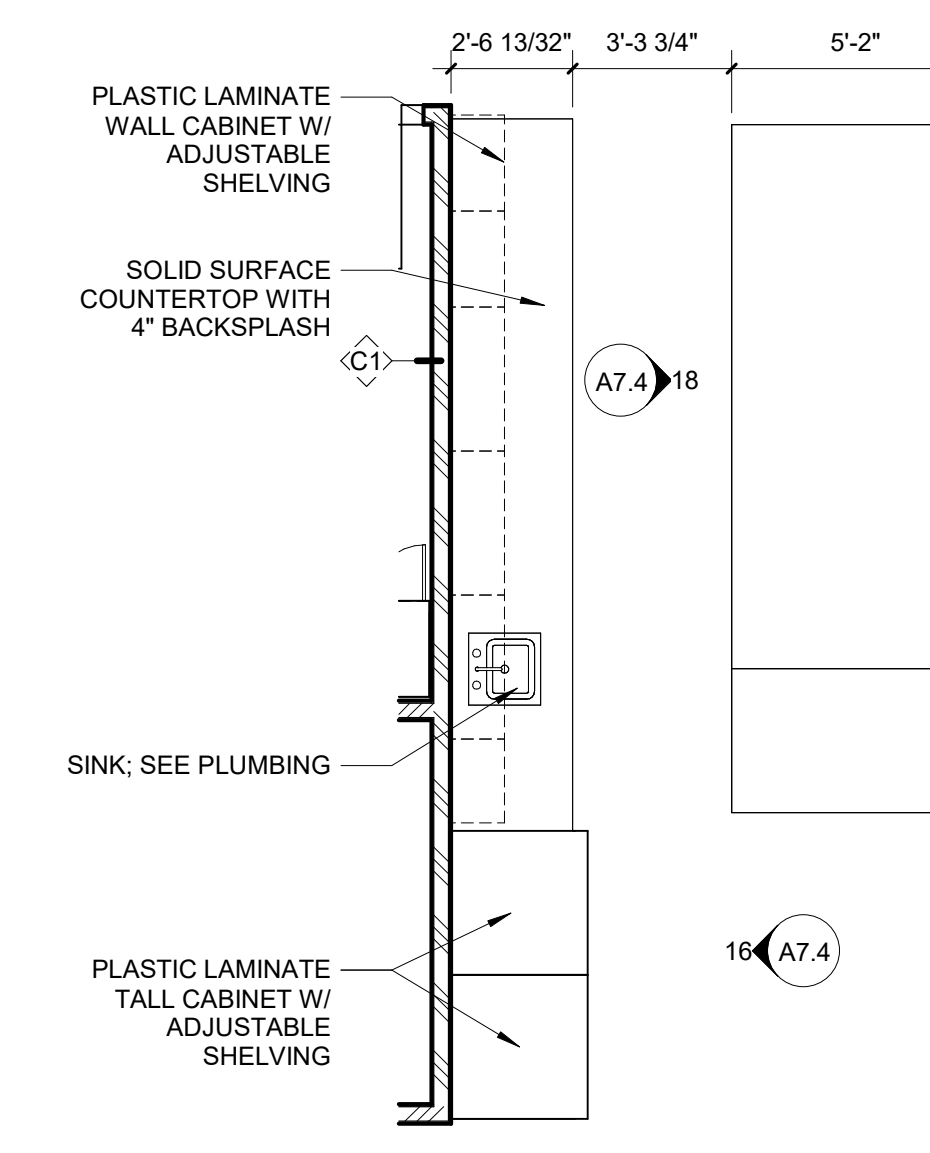
12 STAFF BREAK AREA PLAN
SCALE: 1/4" = 1'-0"



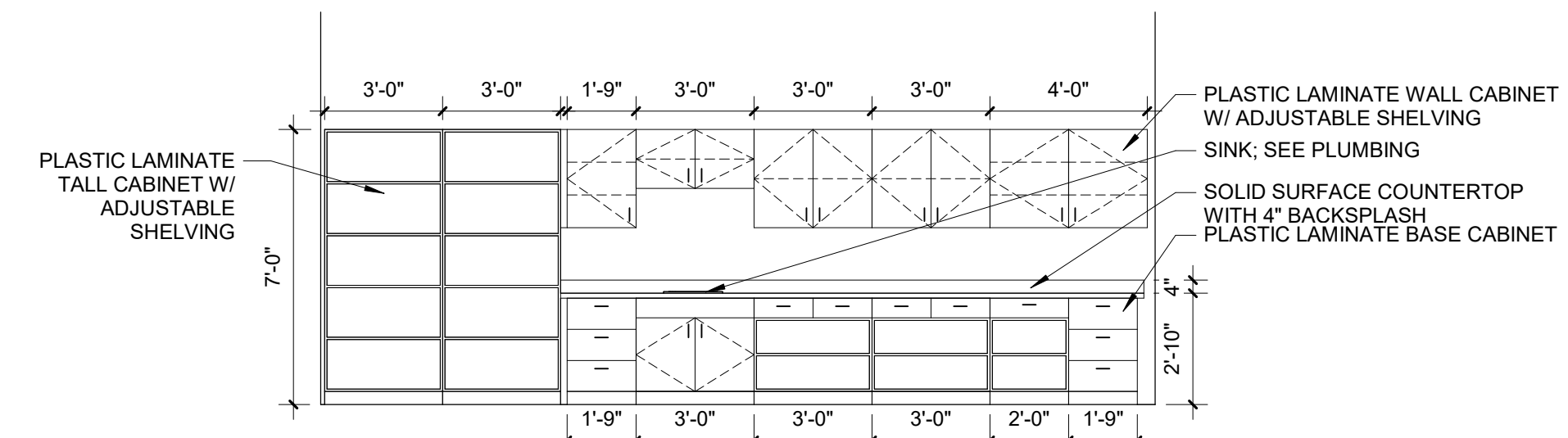
13 1088 STAFF BREAK AREA CABINET STORAGE
SCALE: 1/4" = 1'-0"



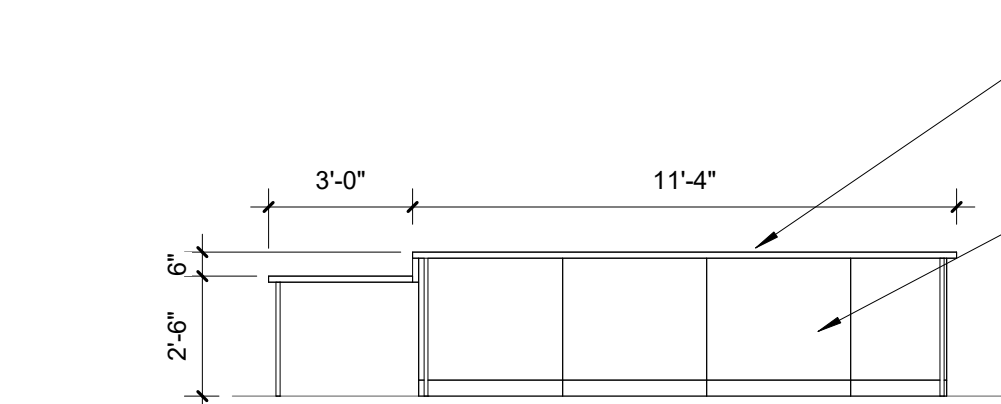
14 1088 STAFF BREAK AREA CABINETS
SCALE: 1/4" = 1'-0"



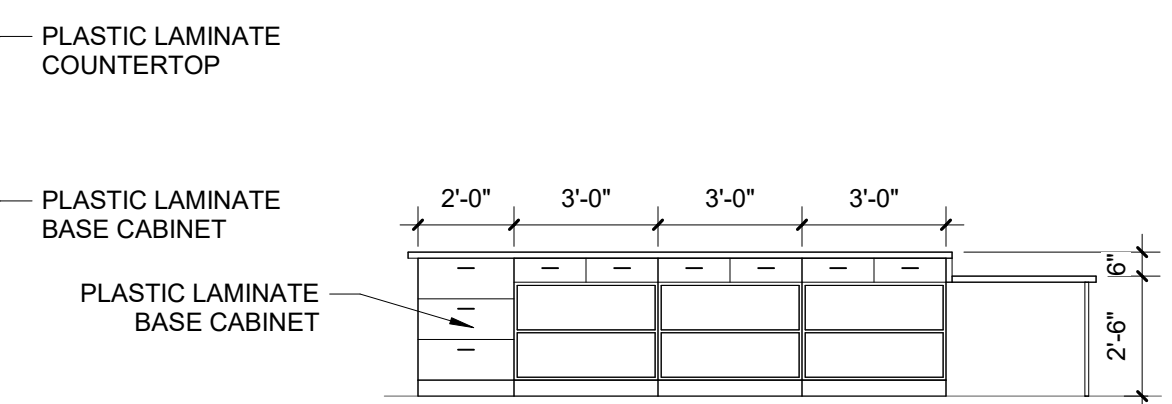
15 TECH SERVICES PLAN
SCALE: 1/4" = 1'-0"



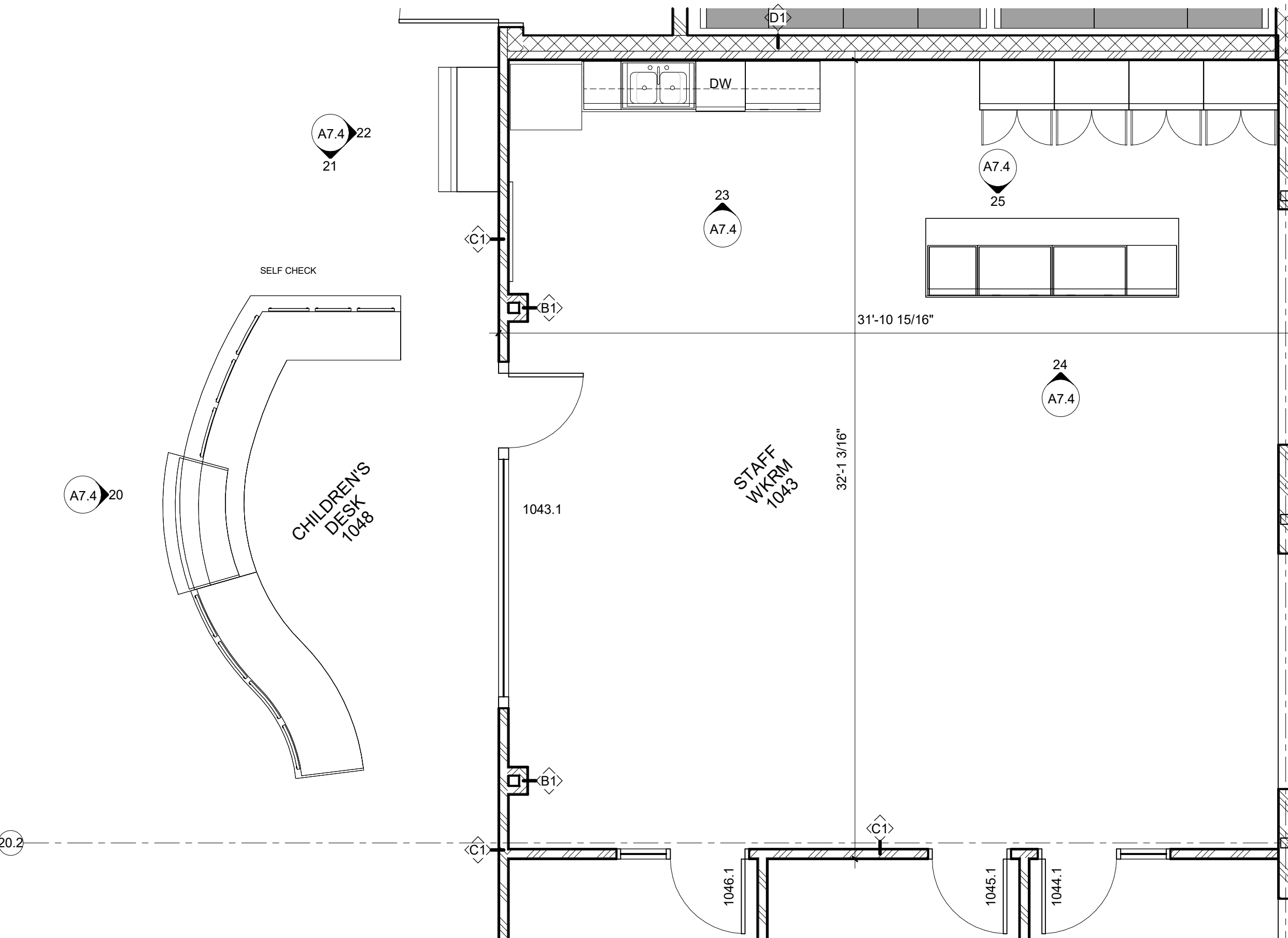
16 1079 TECH SERVICES CABINETS
SCALE: 1/4" = 1'-0"



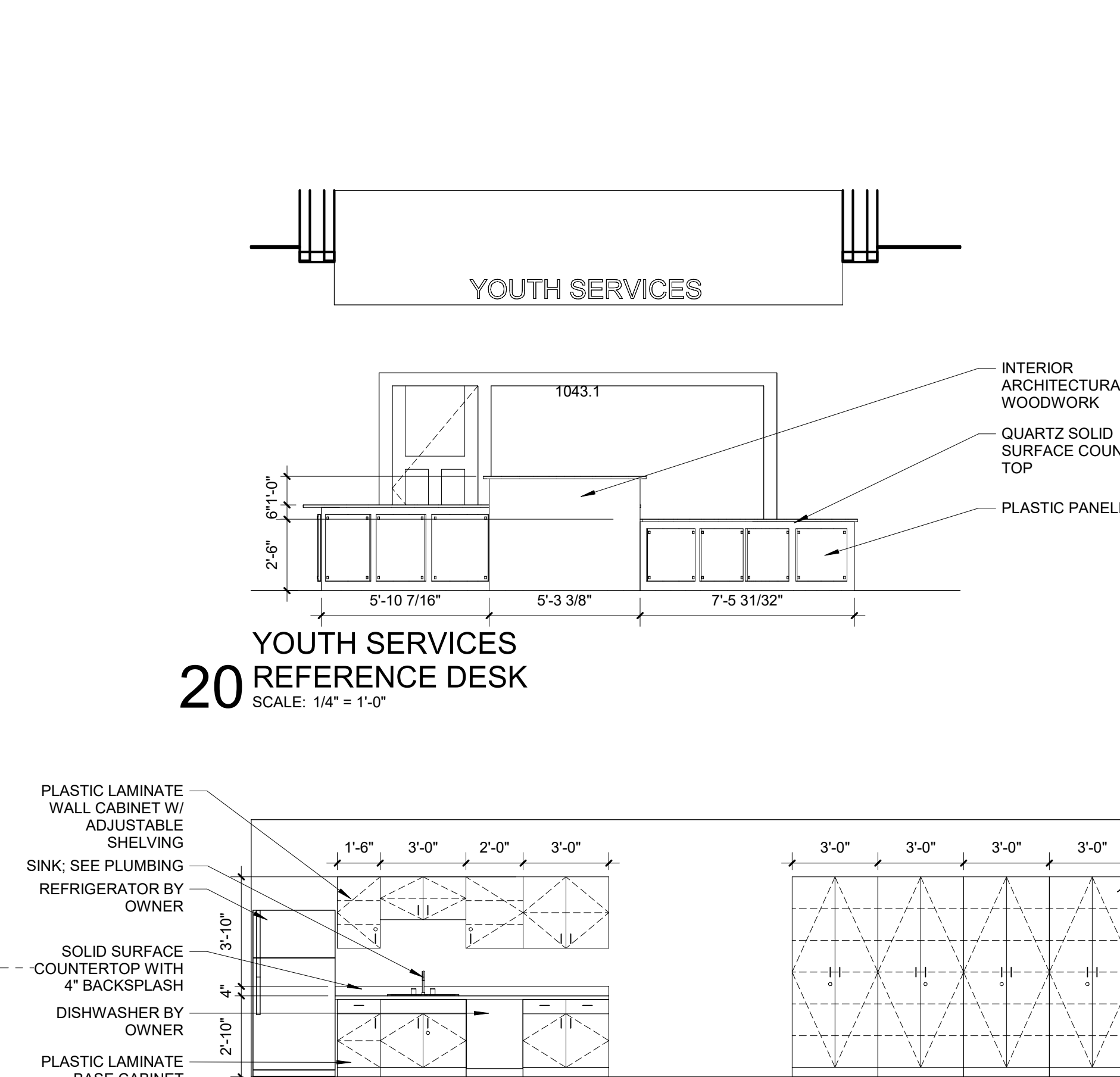
17 1079 PAGE WORK ISLAND
SCALE: 1/4" = 1'-0"



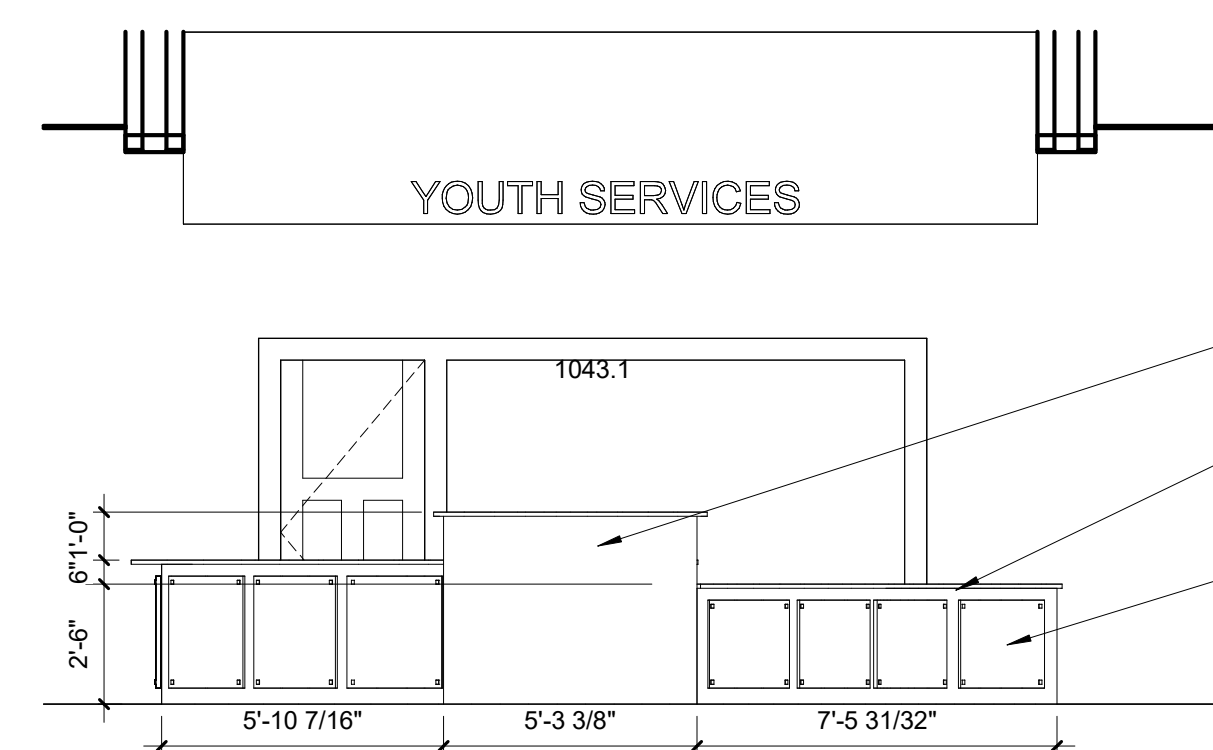
18 1079 TECH SERVICES ISLAND BACK
SCALE: 1/4" = 1'-0"



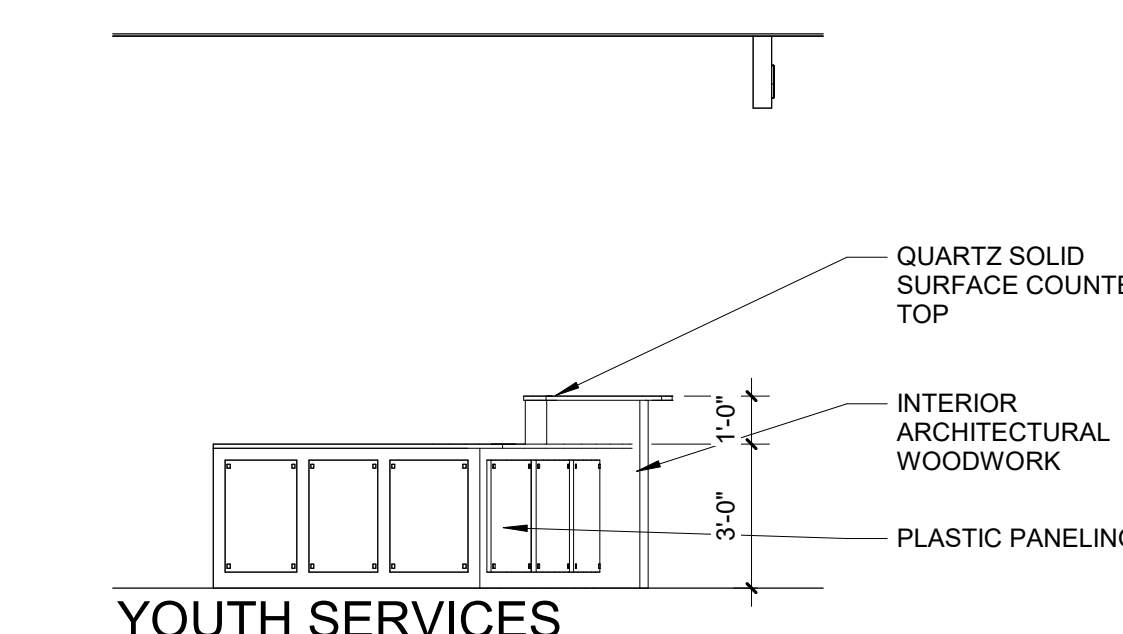
19 STAFF WORKROOM PLAN
SCALE: 1/4" = 1'-0"



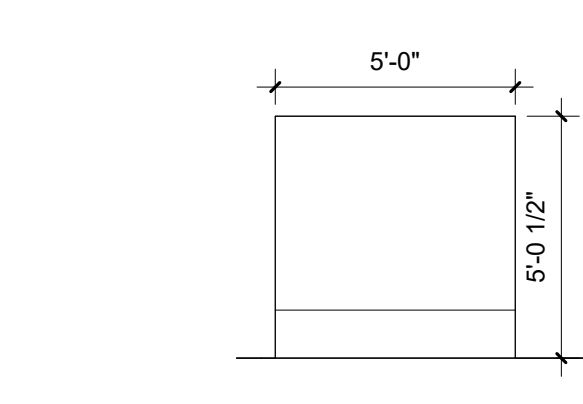
23 YOUTH STAFF WORK ROOM NORTH
SCALE: 1/4" = 1'-0"



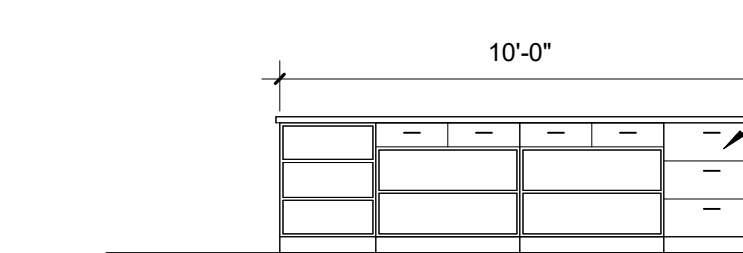
20 YOUTH SERVICES REFERENCE DESK
SCALE: 1/4" = 1'-0"



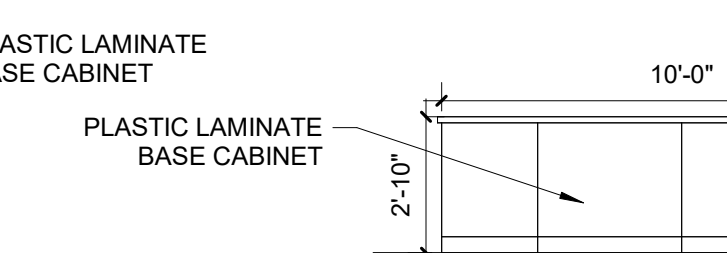
21 YOUTH SERVICES REFERENCE DESK SIDE FACE
SCALE: 1/4" = 1'-0"



22 LAPTOP LENDING
SCALE: 1/4" = 1'-0"



24 YOUTH STAFF WORK ROOM ISLAND
SCALE: 1/4" = 1'-0"



25 YOUTH STAFF WORK ROOM ISLAND BACK
SCALE: 1/4" = 1'-0"

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DESIGN ENGINEERS

PROJECT TITLE: CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED: 12/07/2023
REV. NO. DATE

PROJECT NUMBER: 2023402

SHEET: **A7.4**

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REFLECTED CEILING PLAN LEGEND

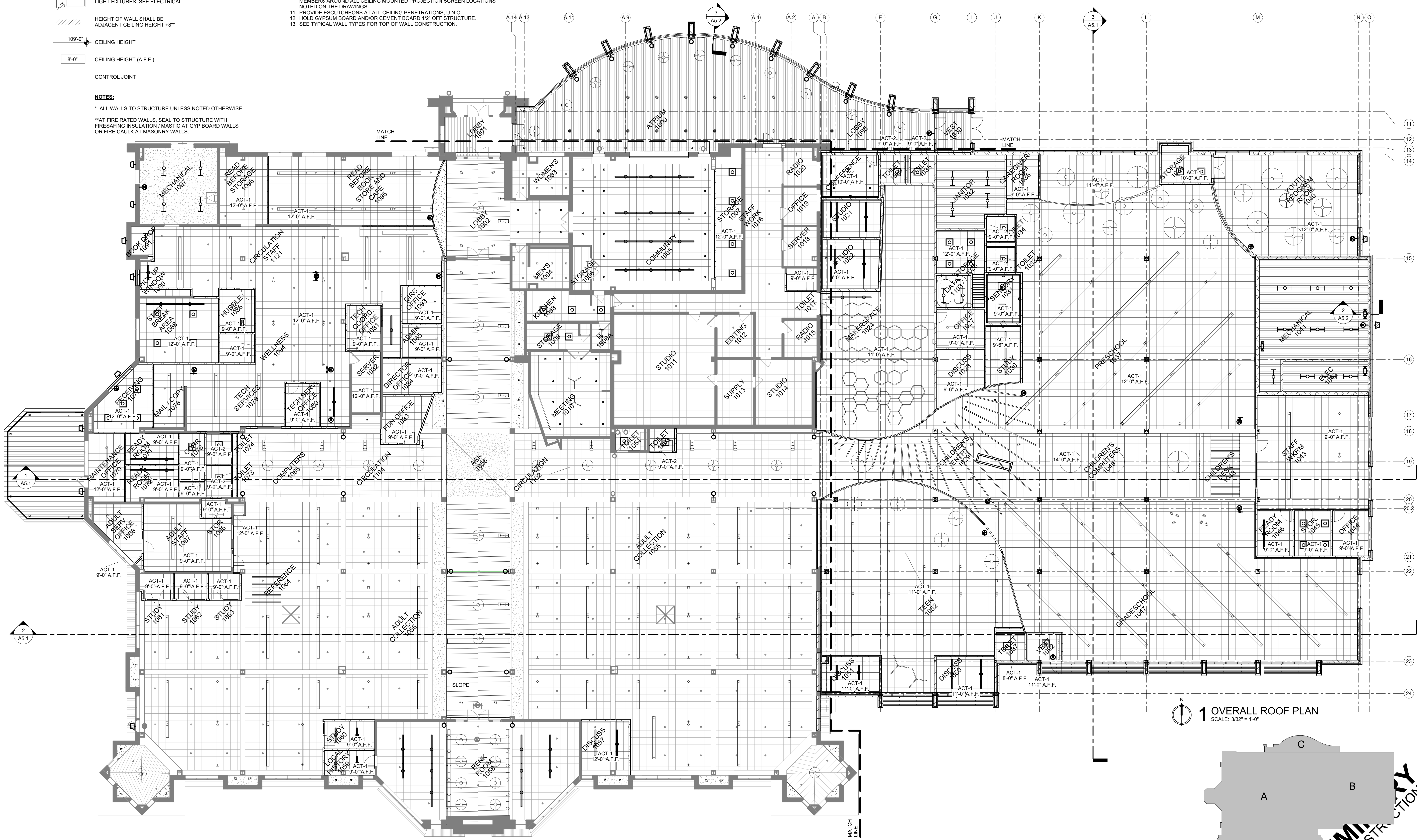
- ACOUSTIC TILE CEILING
- GYPSUM WALL BOARD
- SUPPLY AIR DIFFUSER, SEE MECHANICAL
- RETURN AIR DIFFUSER, SEE MECHANICAL
- EXHAUST FAN, SEE MECHANICAL
- CABINET UNIT HEATER, SEE MECHANICAL
- LIGHT FIXTURES, SEE ELECTRICAL
- HEIGHT OF WALL SHALL BE ADJACENT CEILING HEIGHT +8"
- 10'-0" CEILING HEIGHT
- 8'-0" CEILING HEIGHT (A.F.F.)
- CONTROL JOINT

NOTES:

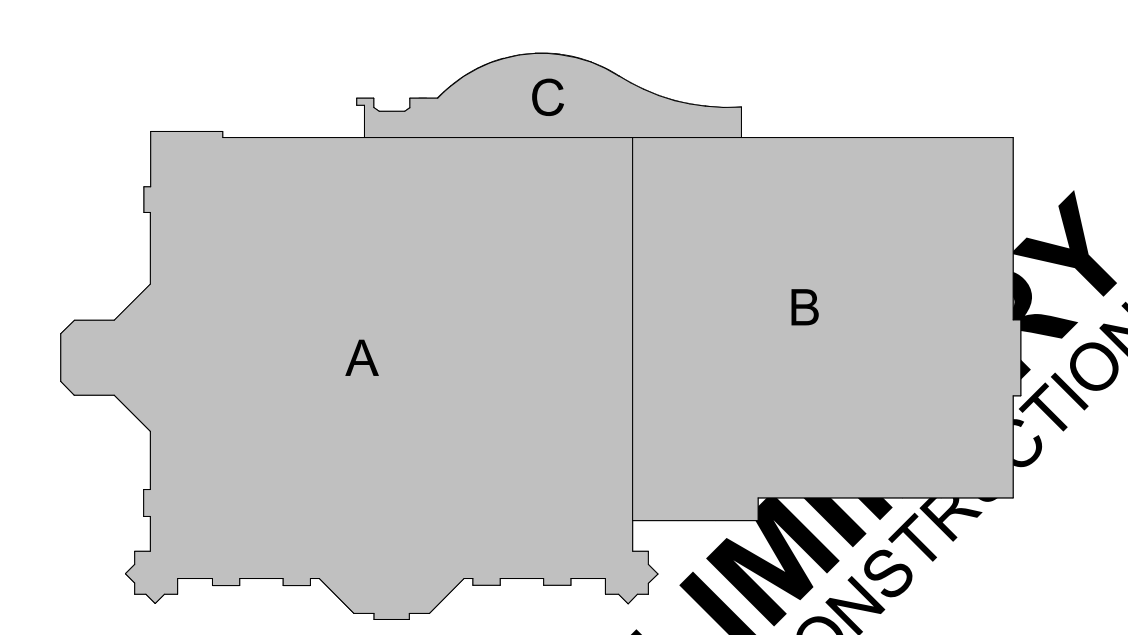
- * ALL WALLS TO STRUCTURE UNLESS NOTED OTHERWISE.
- ** AT FIRE RATED WALLS, SEAL TO STRUCTURE WITH FIRESAFING INSULATION / MASTIC AT GYP BOARD WALLS OR FIRE CALK AT MASONRY WALLS.

REFLECTED CEILING PLAN NOTES

1. CEILING GRID TO BE CENTERED EACH WAY WITHIN ROOMS AND ARE AS SHOWN ON THE REFLECTED CEILING PLAN, U.N.O.
2. ALL ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DEVICES TO BE CENTERED WITHIN CEILING TILES, U.N.O.
3. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION (IF APPLICABLE) DRAWINGS FOR DUCTWORK, DEVICES, EQUIPMENT, & FIXTURES NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE LOCATION OF THESE ITEMS WITH THOSE SHOWN.
4. IN ROOMS AND/OR AREAS SCHEDULED TO HAVE EXPOSED STRUCTURE, ALL WALL MATERIALS AND FINISHES TO EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK, U.N.O.
5. CEMENT BOARD AND GYPSUM BOARD CEILINGS TO BE INSTALLED ON SUSPENSION SYSTEM PER PROJECT MANUAL, U.N.O.
6. WALL GYPSUM BOARD SHALL EXTEND 6" MINIMUM ABOVE HIGHEST ADJACENT CEILING AT PARTITIONS NOT IDENTIFIED TO BE FULL-HEIGHT. BRACE TOP OF WALL TO STRUCTURE ABOVE WITH METAL FRAMING AT 48" O.C. EACH WAY. GYPSUM BOARD VERTICAL RETURNS ON SOFFITS AND BULKHEADS TO EXTEND 6" MINIMUM ABOVE HIGHEST ADJACENT CEILING HEIGHT, U.N.O.
7. REFER TO MECHANICAL DRAWINGS & PROJECT MANUAL FOR REQUIRED LOCATIONS OF ACCESS PANELS IN GYPSUM BOARD OR CEMENT BOARD CEILINGS NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE PANEL LOCATION WITH ARCHITECT.
8. PAINT ALL EXPOSED STEEL, CONDUIT, DUCTWORK, PIPING, ETC. IN ROOMS AND/OR AREAS NOTED OR SCHEDULED TO RECEIVE PAINTED FINISHES.
9. PROVIDE SUPPORT WIRE ABOVE THE CEILING AT 2'-0" O.C. ON CEILING GRID MEMBERS AROUND ALL CEILING MOUNTED PROJECTION SCREEN LOCATIONS NOTED ON THE DRAWINGS.
10. PROVIDE ESCUTCHEONS AT ALL CEILING PENETRATIONS, U.N.O.
11. HOLD GYPSUM BOARD AND/OR CEMENT BOARD 12" OFF STRUCTURE.
12. SEE TYPICAL WALL TYPES FOR TOP OF WALL CONSTRUCTION.

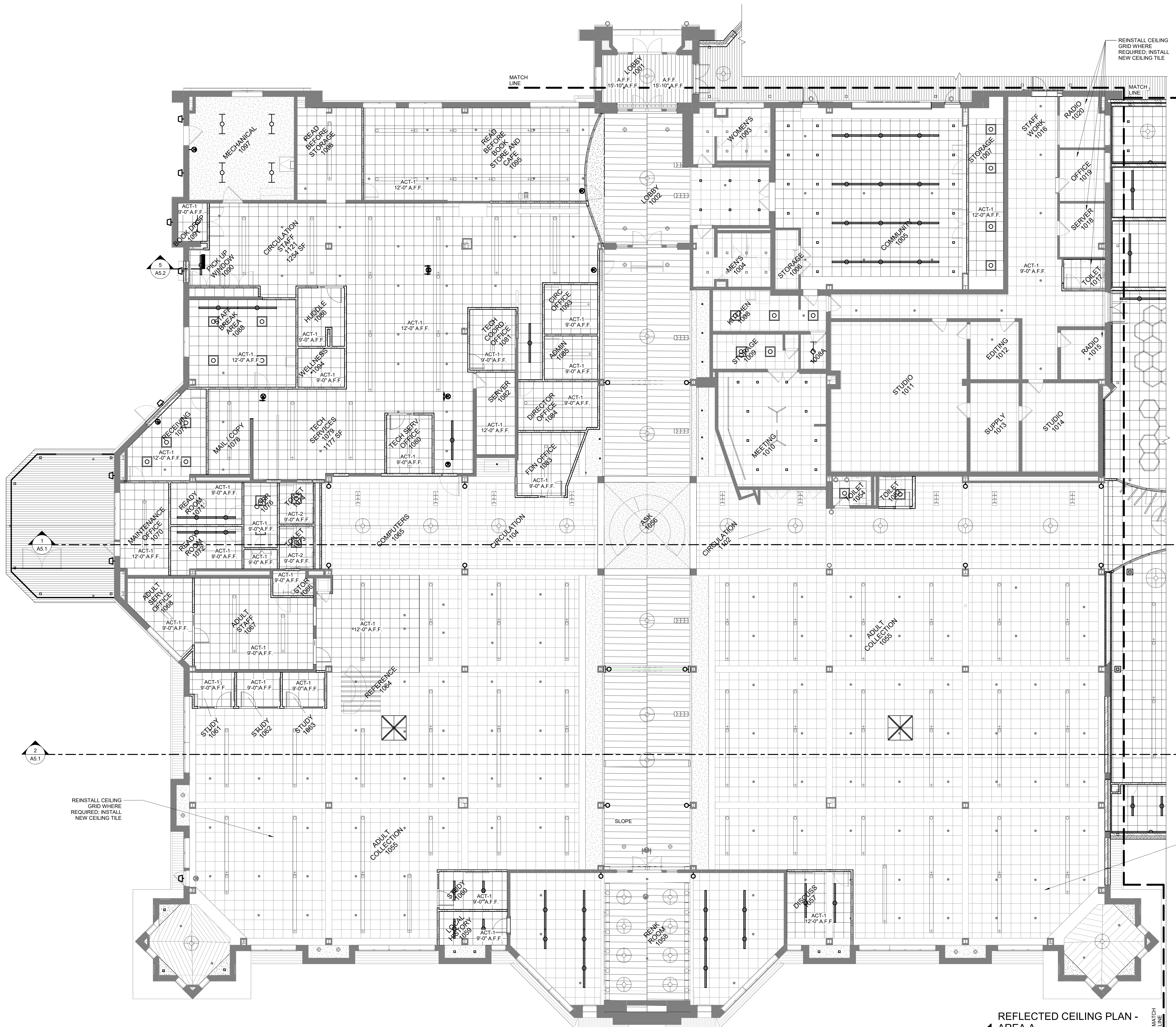


1 OVERALL ROOF PLAN
SCALE: 3/32" = 1'-0"



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REFLECTED CEILING PLAN NOTES

1. CEILING GRID TO BE CENTERED EACH WAY WITHIN ROOMS AND ARE AS SHOWN ON THE REFLECTED CEILING PLAN, U.N.O.
2. ALL ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DEVICES TO BE CENTERED WITHIN CEILING TILES, U.N.O.
3. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION (IF APPLICABLE) DRAWINGS FOR DUCTWORK, DEVICES, EQUIPMENT, & FIXTURES NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE LOCATION OF THESE ITEMS WITH THOSE SHOWN.
4. IN ROOMS AND/OR AREAS SCHEDULED TO HAVE EXPOSED STRUCTURE, ALL WALL MATERIALS AND FINISHES TO EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK, U.N.O.
5. CEMENT BOARD AND GYPSUM BOARD CEILINGS TO BE INSTALLED ON SUSPENSION SYSTEM PER PROJECT MANUAL, U.N.O.
6. WALL GYPSUM BOARD SHALL EXTEND 6" MINIMUM ABOVE HIGHEST ADJACENT CEILING AT PARTITIONS NOT IDENTIFIED TO BE FULL-HEIGHT. BRACE TOP OF WALL TO STRUCTURE ABOVE WITH METAL FRAMING AT 48" O.C. EACH WAY.
7. GYPSUM BOARD VERTICAL RETURNS ON SOFFITS AND BULKHEADS TO EXTEND 6" MINIMUM ABOVE HIGHEST ADJACENT CEILING HEIGHT, U.N.O.
8. REFER TO MECHANICAL DRAWINGS & PROJECT MANUAL FOR REQUIRED LOCATIONS OF ACCESS PANELS IN GYPSUM BOARD OR CEMENT BOARD CEILINGS NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE PANEL LOCATION WITH ARCHITECT.
9. PAINT ALL EXPOSED STEEL, CONDUIT, DUCTWORK, PIPING, ETC. IN ROOMS AND/OR AREAS NOTED OR SCHEDULED TO RECEIVE PAINTED FINISHES.
10. PROVIDE SUPPORT WIRE ABOVE THE CEILING AT 2'-0" O.C. ON CEILING GRID MEMBERS AROUND ALL CEILING MOUNTED PROJECTION SCREEN LOCATIONS NOTED ON THE DRAWINGS.
11. PROVIDE ESCUTCHEONS AT ALL CEILING PENETRATIONS, U.N.O.
12. HOLD GYPSUM BOARD AND/OR CEMENT BOARD 1/2" OFF STRUCTURE.
13. SEE TYPICAL WALL TYPES FOR TOP OF WALL CONSTRUCTION.

REFLECTED CEILING PLAN LEGEND

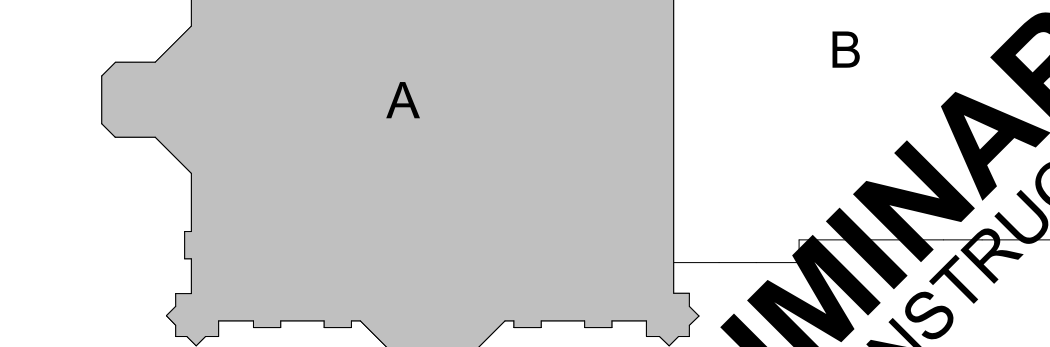
- ACOUSTIC TILE CEILING
- GYPSUM WALL BOARD
- SUPPLY AIR DIFFUSER, SEE MECHANICAL
- RETURN AIR DIFFUSER, SEE MECHANICAL
- EXHAUST FAN, SEE MECHANICAL
- CABINET UNIT HEATER, SEE MECHANICAL
- LIGHT FIXTURES, SEE ELECTRICAL
- HEIGHT OF WALL SHALL BE ADJACENT CEILING HEIGHT + 8"
- 109'-0" CEILING HEIGHT
- 8'-0" CEILING HEIGHT (A.F.F.)
- CONTROL JOINT

NOTES:

- * ALL WALLS TO STRUCTURE UNLESS NOTED OTHERWISE.
- * AT FIRE RATED WALLS, SEAL TO STRUCTURE WITH FIRE-RATED INSULATION / MASTIC AT GYP BOARD WALLS OR FIRE CAULK AT MASONRY WALLS.

REINSTALL CEILING GRID WHERE REQUIRED; INSTALL NEW CEILING TILE

REINSTALL CEILING GRID WHERE REQUIRED; INSTALL NEW CEILING TILE



REFLECTED CEILING PLAN -
1 AREA A
SCALE: 1/8" = 1'-0"

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SHEET TITLE
REFLECTED CEILING PLAN - AREA A

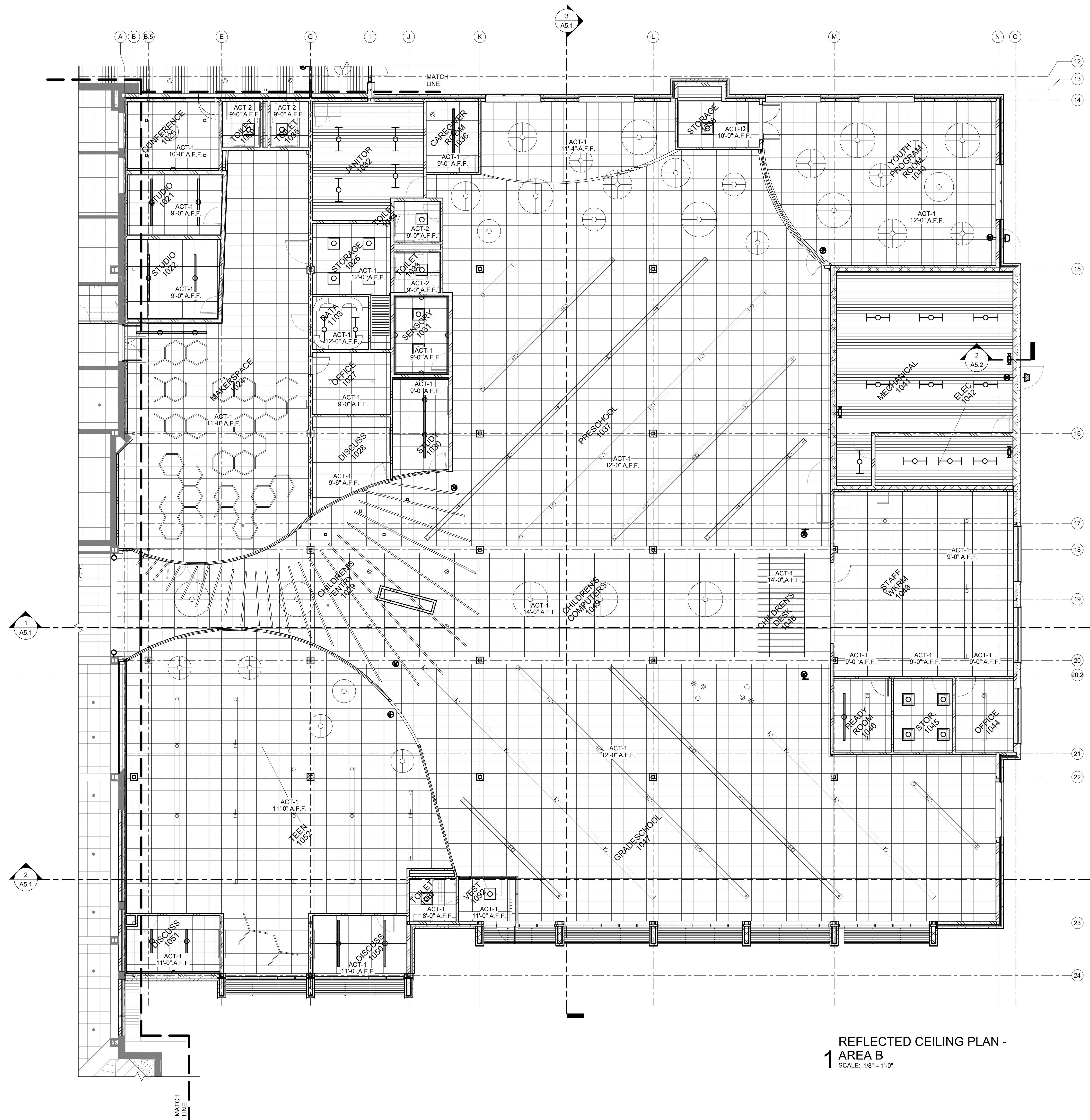
PROJECT TITLE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED 12/07/2023
REV. NO. DATE

PROJECT NUMBER
2023402

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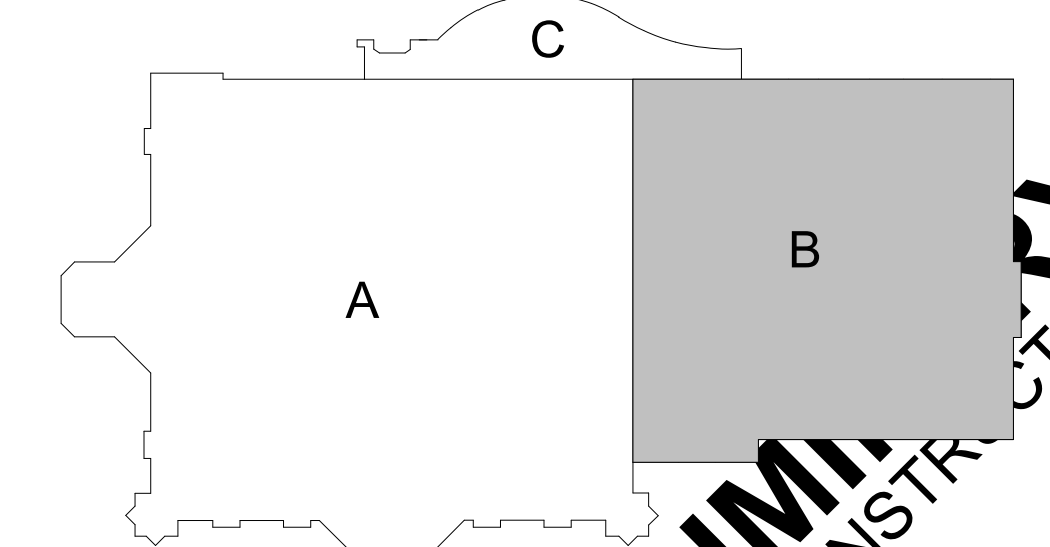
REFLECTED CEILING PLAN -
1 AREA B
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. CEILING GRID TO BE CENTERED EACH WAY WITHIN ROOMS AND ARE AS SHOWN ON THE REFLECTED CEILING PLAN, U.N.O.
2. ALL ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DEVICES TO BE CENTERED WITHIN CEILING TILES, U.N.O.
3. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION (IF APPLICABLE) DRAWINGS FOR DUCTWORK, DEVICES, EQUIPMENT, & FIXTURES NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE LOCATION OF THESE ITEMS WITH THOSE SHOWN.
4. IN ROOMS AND/OR AREAS SCHEDULED TO HAVE EXPOSED STRUCTURE, ALL WALL MATERIALS AND FINISHES TO EXTEND TO UNDERSIDE OF ROOF OR FLOOR DECK, U.N.O.
5. CEMENT BOARD AND GYPSUM BOARD CEILINGS TO BE INSTALLED ON SUSPENSION SYSTEM PER PROJECT MANUAL, U.N.O.
6. WALL GYPSUM BOARD SHALL EXTEND 6" MINIMUM ABOVE HIGHEST ADJACENT CEILING AT PARTITIONS NOT IDENTIFIED TO BE FULL-HEIGHT. BRACE TOP OF WALL TO STRUCTURE ABOVE WITH METAL FRAMING AT 48" O.C. EACH WAY.
7. GYPSUM BOARD VERTICAL RETURNS ON SOFFITS AND BULKHEADS TO EXTEND 6" MINIMUM ABOVE HIGHEST ADJACENT CEILING HEIGHT, U.N.O.
8. REFER TO MECHANICAL DRAWINGS & PROJECT MANUAL FOR REQUIRED LOCATIONS OF ACCESS PANELS IN GYPSUM BOARD OR CEMENT BOARD CEILINGS NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE PANEL LOCATION WITH ARCHITECT.
9. PAINT ALL EXPOSED STEEL, CONDUIT, DUCTWORK, PIPING, ETC. IN ROOMS AND/OR AREAS NOTED OR SCHEDULED TO RECEIVE PAINTED FINISHES.
10. PROVIDE SUPPORT WIRE ABOVE THE CEILING AT 2'-0" O.C. ON CEILING GRID MEMBERS AROUND ALL CEILING MOUNTED PROJECTION SCREEN LOCATIONS NOTED ON THE DRAWINGS.
11. PROVIDE ESCUTCHEONS AT ALL CEILING PENETRATIONS, U.N.O.
12. HOLD GYPSUM BOARD AND/OR CEMENT BOARD 1/2" OFF STRUCTURE.
13. SEE TYPICAL WALL TYPES FOR TOP OF WALL CONSTRUCTION U.N.O.

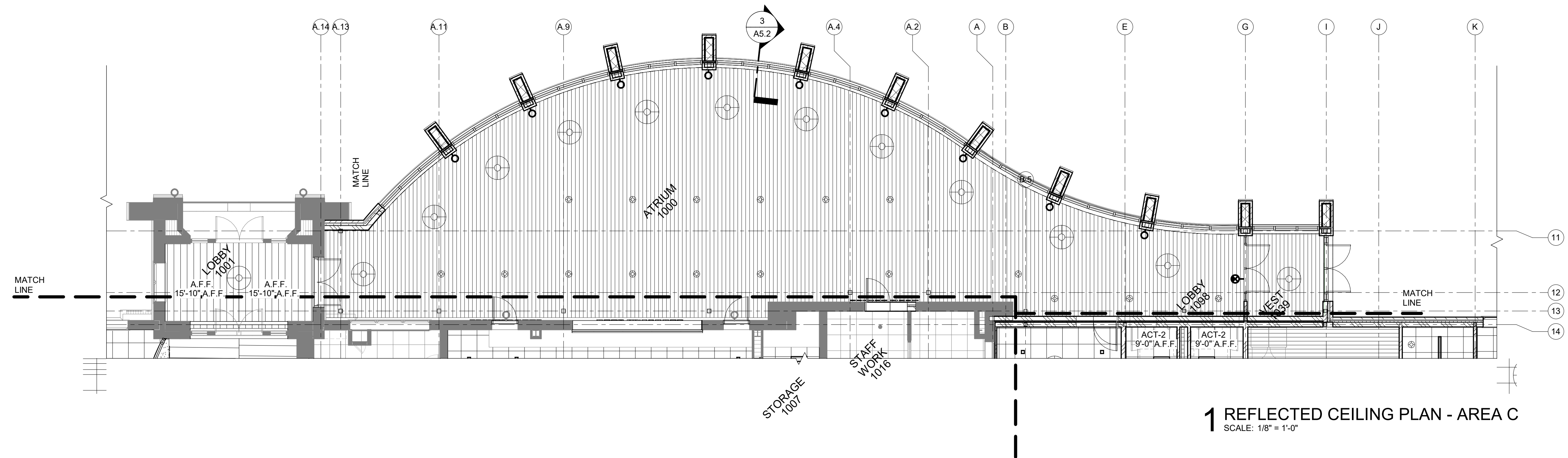
- ACOUSTIC TILE CEILING
- GYPSUM WALL BOARD
- SUPPLY AIR DIFFUSER, SEE MECHANICAL.
- RETURN AIR DIFFUSER, SEE MECHANICAL.
- EXHAUST FAN, SEE MECHANICAL.
- CABINET UNIT HEATER, SEE MECHANICAL.
- LIGHT FIXTURES, SEE ELECTRICAL.
- HEIGHT OF WALL SHALL BE ADJACENT CEILING HEIGHT +6"
- 109'-0" CEILING HEIGHT
- 8'-0" CEILING HEIGHT (A.F.F.)
- CONTROL JOINT

NOTES:
* ALL WALLS TO STRUCTURE UNLESS NOTED OTHERWISE.
** AT FIRE RATED WALLS, SEAL TO STRUCTURE WITH FIRE SAFING INSULATION / MASTIC AT GYP BOARD WALLS OR FIRE CAULK AT MASONRY WALLS.



KEY PLAN

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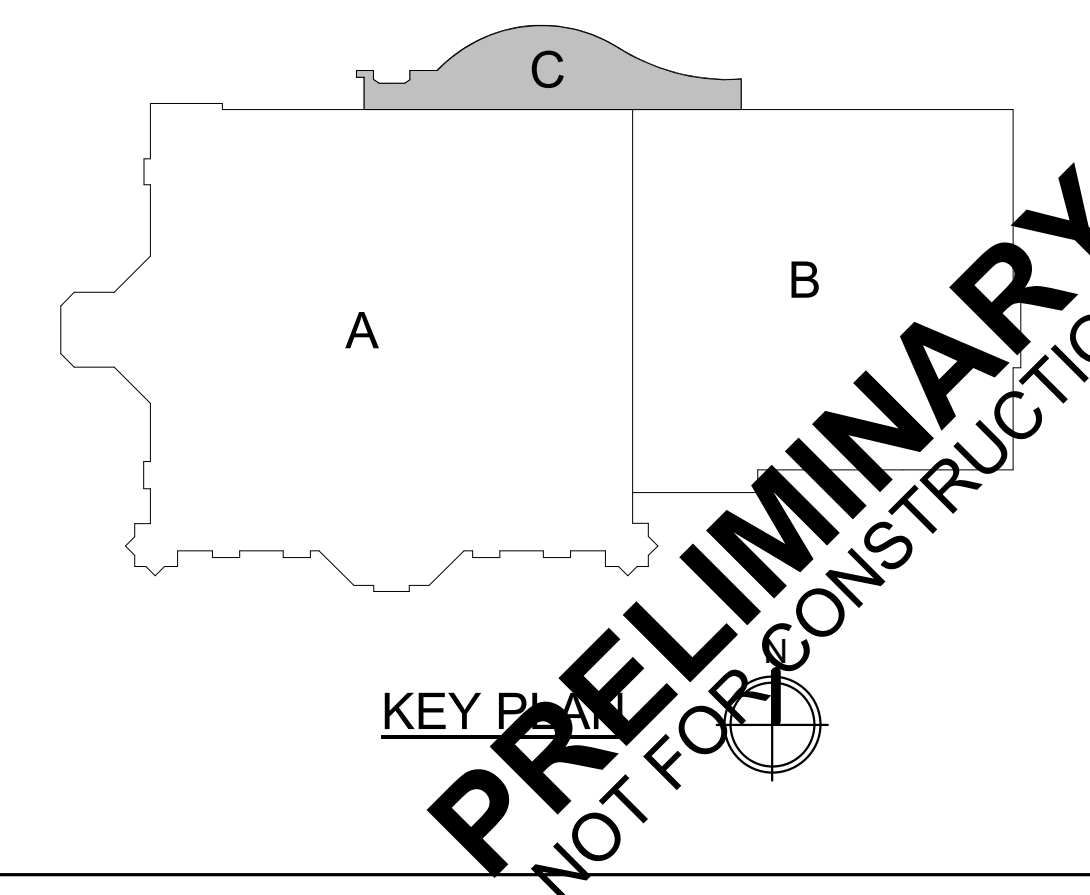
1 REFLECTED CEILING PLAN - AREA C
SCALE: 1/8" = 1'-0"

REFLECTED CEILING PLAN NOTES

1. CEILING GRID TO BE CENTERED EACH WAY WITHIN ROOMS AND ARE AS SHOWN ON THE REFLECTED CEILING PLAN, U.N.O.
2. ALL ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DEVICES TO BE CENTERED WITHIN CEILING TILES, U.N.O.
3. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION (IF APPLICABLE) DRAWINGS FOR DUCTWORK, DEVICES, EQUIPMENT, & FIXTURES NOT SHOWN ON THE REFLECTED CEILING PLANS. COORDINATE LOCATION OF THESE ITEMS WITH THOSE SHOWN.
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9. PAINT ALL EXPOSED STEEL, CONDUIT, DUCTWORK, PIPING, ETC. IN ROOMS AND/OR AREAS NOTED OR SCHEDULED TO RECEIVE PAINTED FINISHES.
10. PROVIDE SUPPORT WIRE ABOVE THE CEILING AT 2'-0" O.C. ON CEILING GRID MEMBERS AROUND ALL CEILING MOUNTED PROJECTION SCREEN LOCATIONS NOTED ON THE DRAWINGS.
11. PROVIDE ESCUTCHEONS AT ALL CEILING PENETRATIONS, U.N.O.
12. HOLD GYPSUM BOARD AND/OR CEMENT BOARD 1/2" OFF STRUCTURE.
13. SEE TYPICAL WALL TYPES FOR TOP OF WALL CONSTRUCTION **ND**

- ACOUSTIC TILE CEILING
- GYPSUM WALL BOARD
- SUPPLY AIR DIFFUSER, SEE MECHANICAL.
- RETURN AIR DIFFUSER, SEE MECHANICAL.
- EXHAUST FAN, SEE MECHANICAL.
- CABINET UNIT HEATER, SEE MECHANICAL.
- LIGHT FIXTURES, SEE ELECTRICAL.
- HEIGHT OF WALL SHALL BE ADJACENT CEILING HEIGHT +8"
- 109'-0" CEILING HEIGHT
- 8'-0" CEILING HEIGHT (A.F.F.)
- CONTROL JOINT

NOTES:
 * ALL WALLS TO STRUCTURE UNLESS NOTED OTHERWISE.
 **AT FIRE RATED WALLS, SEAL TO STRUCTURE WITH FIRESAFING INSULATION / MASTIC AT GYP BOARD WALLS OR FIRE CAULK AT MASONRY WALLS.



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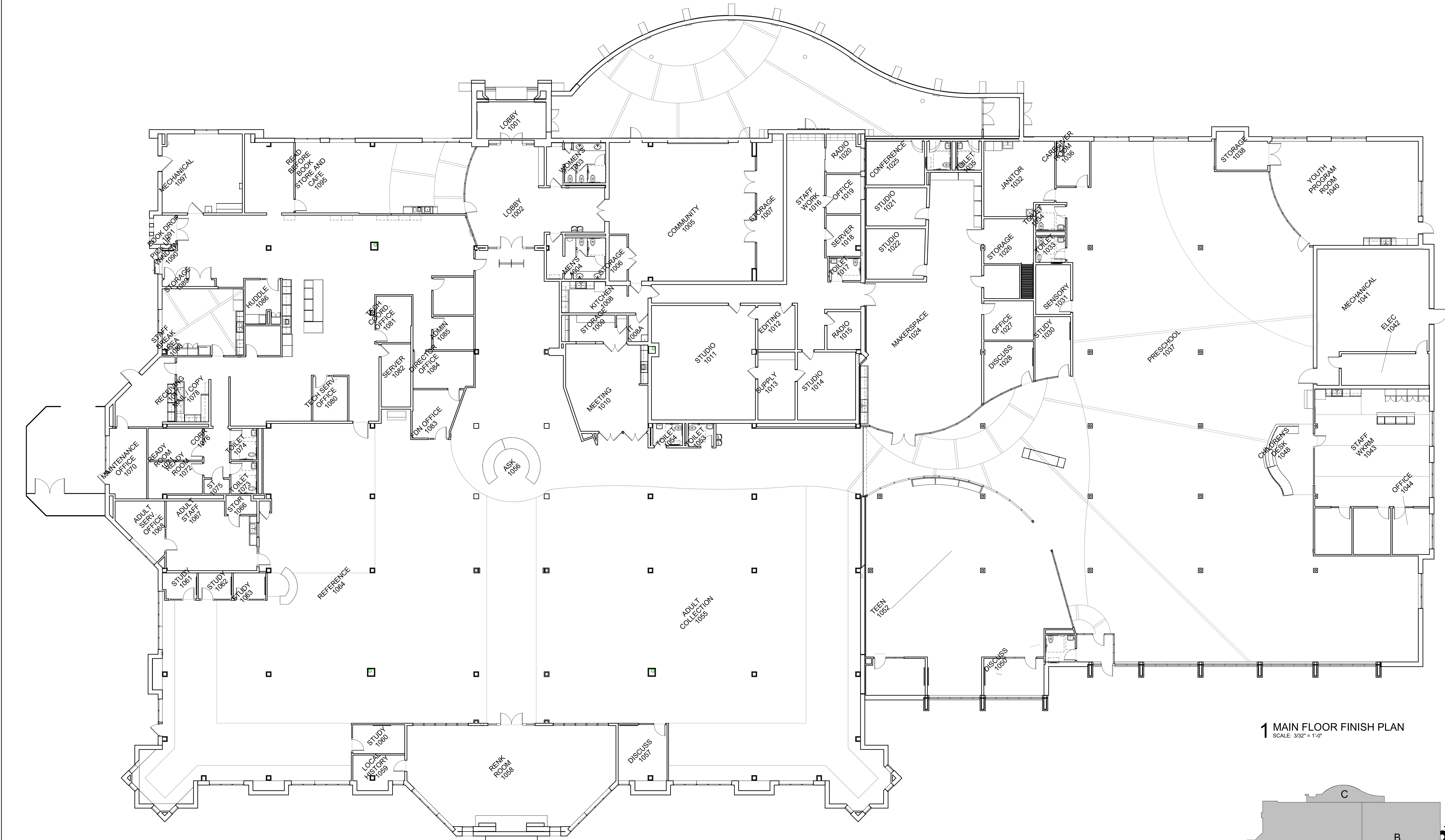
SHEET TITLE
REFLECTED CEILING PLAN - AREA C

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

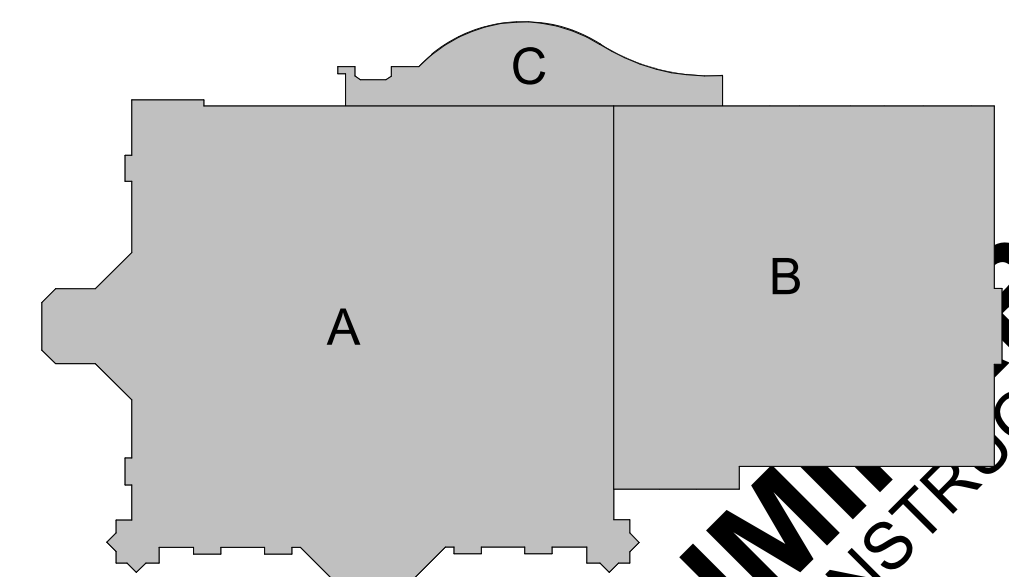
DATE ISSUED 12/07/2023
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SHEET
A8.4



1 MAIN FLOOR FINISH PLAN
SCALE: 3/32" = 1'-0"



KEY PLAN

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IN ASSOCIATION WITH

SHEET TITLE
FLOOR FINISH PLANS

PROJECT TITLE
CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/07/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET

A9.1

ADULT COLLECTIONS - SHELVING COUNTS

PRINT COLLECTIONS	NONPRINT COLLECTIONS
FICTION - 176/168 SF (60"H)	MUSIC CDS & VINYL - 20/18 SF (60"H)
MYSTERY - 44/36 SF (60"H)	AUDIOBOOKS - 30/30 SF (60"H)
SCIENCE FICTION - 16/16 SF (60"H)	DVDS/VIDEO - 56/50 SF (60"H)
PAPERBACK - 30/30 SF (60"H)	LIBRARY OF THINGS - 19 SF (60"H)
GRAPHIC NOVELS - 16/14 SF (60"H)	
WORLD LANGUAGES - 16/12 SF (60"H)	PERIODICALS & NEWSPAPERS
LARGE PRINT - 62/58 SF (60"H)	MAGAZINES - 19 SF 2H = 152 SUBS
REFERENCE - 3/2 SF (60"H)	NEWSPAPERS - 2 SF 2H = 12 SUBS
NONFICTION - 209/208 SF (60"H)	
READING CLUB KITS - 18/14 SF (60"H)	
LOCAL - 64 SF 4/5H (60"H)	

CHILDREN'S COLLECTIONS - SHELVING COUNTS

PRESCHOOL COLLECTIONS	HUB (NONPRINT)
BOARD BOOKS - 7/6 DF BINS	PARENTING - 2/2 SF (60"H)
PICTURE BOOKS - 84/80 SF (60"H)	KITS (HANGING BAGS) - 14/14 SF (60"H)
PICTURE BOOK NEIGHBORHOODS - 14/14 DF BINS	AUDIO-ENABLED BOOKS - 9/8 (60"H)
EARLY READERS - 32/28 SF (60"H)	MUSIC CDS - 4/4 SF (60"H)
	AUDIOBOOKS - 16/16 SF (60"H)
GRADE SCHOOL COLLECTIONS	DVD/VIDEO - 18/18 SF (60"H)
TRANSITIONAL CHAP BKS - 26/24 SF (60"H)	SOFTWARE/VIDEO GAMES - 9/8 SF (60"H)
FICTION - 55/54 SF (60"H)	BIG KID KITS - 8/6 SF (60"H)
COMIC BOOKS - 6/6 SF (60"H)	
GRAPHIC NOVELS - 18/18 SF (60"H)	
NONFICTION - 68/68 SF (60"H)	
WORLD LANGUAGES - 4/4 SF (60"H)	



FOR REFERENCE ONLY

1 FURNITURE PLAN
SCALE: 3/32" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

GENERAL NOTES

- DESIGN CRITERIA: CODES AND STANDARDS: 2015 IBC/ASCE 7-10 OCCUPANCY/RISK CATEGORY III... DESIGN DEAD LOADS: METAL STAIR: 15 PSF... WIND LOAD: BASIC WIND SPEED: 114 M.P.H... SEISMIC LOAD: SPECTRAL ACCELERATIONS: Ss = 0.072... BEARING WALL - ORDINARY REINFORCED MASONRY SHEAR WALLS...

CONCRETE CONT.

Tables for TENSION LAP SPLICE FOR TOP BARS, TENSION LAP SPLICE FOR OTHER BARS, and COMPRESSION LAP SCHD. Includes bar size, length, and spacing details.

- NOTES: TABLES ARE BASED ON ACI 318-05 SEC. 12.2.2... SPLICE PLAIN WELDED WIRE FABRIC BY LAPPING ONE FULL MESH SPACE PLUS 2 INCHES... BEAMS - I-49 CONTINUOUS TOP AND BOTTOM FOR EACH 100 SQUARE INCHES OF BEAM CROSS SECTIONAL AREA...

REINFORCED MASONRY

- NOTES APPLY TO MASONRY SHOWN ON STRUCTURAL DRAWINGS AND SHALL BE THE MINIMUM REQUIREMENTS FOR MASONRY SHOWN ON THE ARCHITECTURAL DRAWINGS... COMPRESSIVE STRENGTH OF MASONRY: PRISM STRENGTH Fm = 2000PSI... REINFORCING BARS SHALL CONFORM TO A.S.T.M. A615, GRADE 60... VERTICAL GROUING SHALL BE DONE IN 'LOW LIFT'...

Table for LAP SPLICE LENGTH FOR MASONRY REINFORCEMENT. Includes columns for bar size, position, and length for various grades and conditions.

- VERTICAL GROUING SHALL BE DONE IN 'LOW LIFT'... GROUING SHALL BE STOPPED 1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE JOINT... NOMINAL WALL THICKNESS... BRIDGING SHALL BE SPACED IN ACCORDANCE WITH S.J.1 SPECIFICATIONS...

STRUCTURAL STEEL

- STEEL SHALL CONFORM TO THE FOLLOWING GRADES: ALL WF (UN 0.3) ALL ANGLE, BASE PLATES, CONN. PLATES (UN 0.3)... CONNECTIONS MAY BE BOLTED OR WELDED... MINIMUM BOLT DIAMETER = 3/4"... ALL WELDS SHALL BE IN ACCORDANCE WITH THE 'STRUCTURAL WELDING CODE'...

POST-INSTALLED ANCHORS

- POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS... ANCHORS INSTALLED IN CONCRETE BASE MATERIAL SHALL HAVE CURRENT ICC APPROVAL... ADHESIVE USED SHALL BE A STRUCTURAL GRADE, TWO-PART EPOXY THAT MEETS THE REQUIREMENTS OF ASTM C-881 TYPES I AND IV, GRADE 3, CLASSES A,B OR C...

Table for THE FOLLOWING ANCHOR PRODUCTS ARE PRE-APPROVED FOR ADHESIVE ANCHORS. Lists product names and specifications.

DEFERRED SUBMITTALS

- PER IBC SECTION 106.3.4.2 THE FOLLOWING ITEMS ARE DEFERRED SUBMITTALS EXEMPT: STRUCTURAL STEEL CONNECTIONS... STEEL JOISTS... STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS...

MISCELLANEOUS

- STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS... NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT... CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS...

FOUNDATIONS

- THE FOUNDATION HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS MADE ON THE GEOTECHNICAL EXPLORATION REPORT BY: CGC INC. ON OCTOBER 2ND 2023... BACKFILLING: DO NOT BACKFILL PIT WALLS UNTIL ADEQUATE TEMPORARY BRACING IS INSTALLED... SOIL MODULUS OF SUBGRADE REACTION (Ks) = 150 POUNDS PER CUBIC INCH...

CONCRETE SLABS ON METAL DECK

- THE CONTRACTOR SHALL PLACE CONCRETE FOR SLABS SO THAT THE FINISH SURFACE IS SCREENED LEVEL WITH AN ELEVATION WITHIN 1/8" OF THE TOP OF SLAB ELEVATION SHOWN ON THE PLANS AND SCHEDULES... SLABS SHALL HAVE A TROWELED FINISH AND AS A MINIMUM BE TRUE PLANS WITHIN 1/4" IN 10 FEET... INTERIOR ISOLATION JOINTS: PROVIDE ISOLATION JOINTS: AT ALL COLUMNS, AT ALL JUNCTIONS OF SLABS AND VERTICAL SURFACES...

METAL ROOF DECK

- METAL ROOF DECK SHALL COMPLY WITH THE REQUIREMENTS OF THE STEEL DECK INSTITUTE... BRIDGING SHALL BE SPACED IN ACCORDANCE WITH S.J.1 SPECIFICATIONS AND THE ERECTION DRAWINGS OF THE JOIST SUPPLIER... BRIDGING SHALL BE ATTACHED TO SUPPORTING STEEL WORK AS NOTED ON THE DRAWINGS...

INTERIOR SLAB JOINT PLACEMENT

- INTERIOR CONSTRUCTION JOINTS: PROVIDE CONSTRUCTION JOINTS: AT ALL COLD JOINTS IN SLABS... INTERIOR CONTROL JOINTS: EXPOSED SLABS (THOSE WHICH RECEIVE NO FINISHED FLOOR SURFACE MATERIAL) SHALL BE POURED IN LONG STRIPS WITH SAWS OR TOOLED CONTROL JOINTS... INTERIOR ISOLATION JOINTS: PROVIDE ISOLATION JOINTS: AT ALL COLUMNS, AT ALL JUNCTIONS OF SLABS AND VERTICAL SURFACES...

Table for SLAB-ON-GRADE CONTROL JOINT SPACING. Lists slab thickness and maximum joint spacing.

CONCRETE

- CONCRETE SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH AND DENSITY, IN ACCORDANCE WITH THE SPECIFICATION... REINFORCING SHALL CONFORM TO A.S.T.M. A615, GR. 60, INCLUDING TIES AND STIRRUPS... WELDED WIRE FABRIC SHALL CONFORM TO A.S.T.M. A185... ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED, IN ACCORDANCE WITH A.C.I. DETAILING MANUAL... CONTRACTOR SHALL COORDINATE SIZE AND LOCATION OF FLOOR AND ROOF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS...

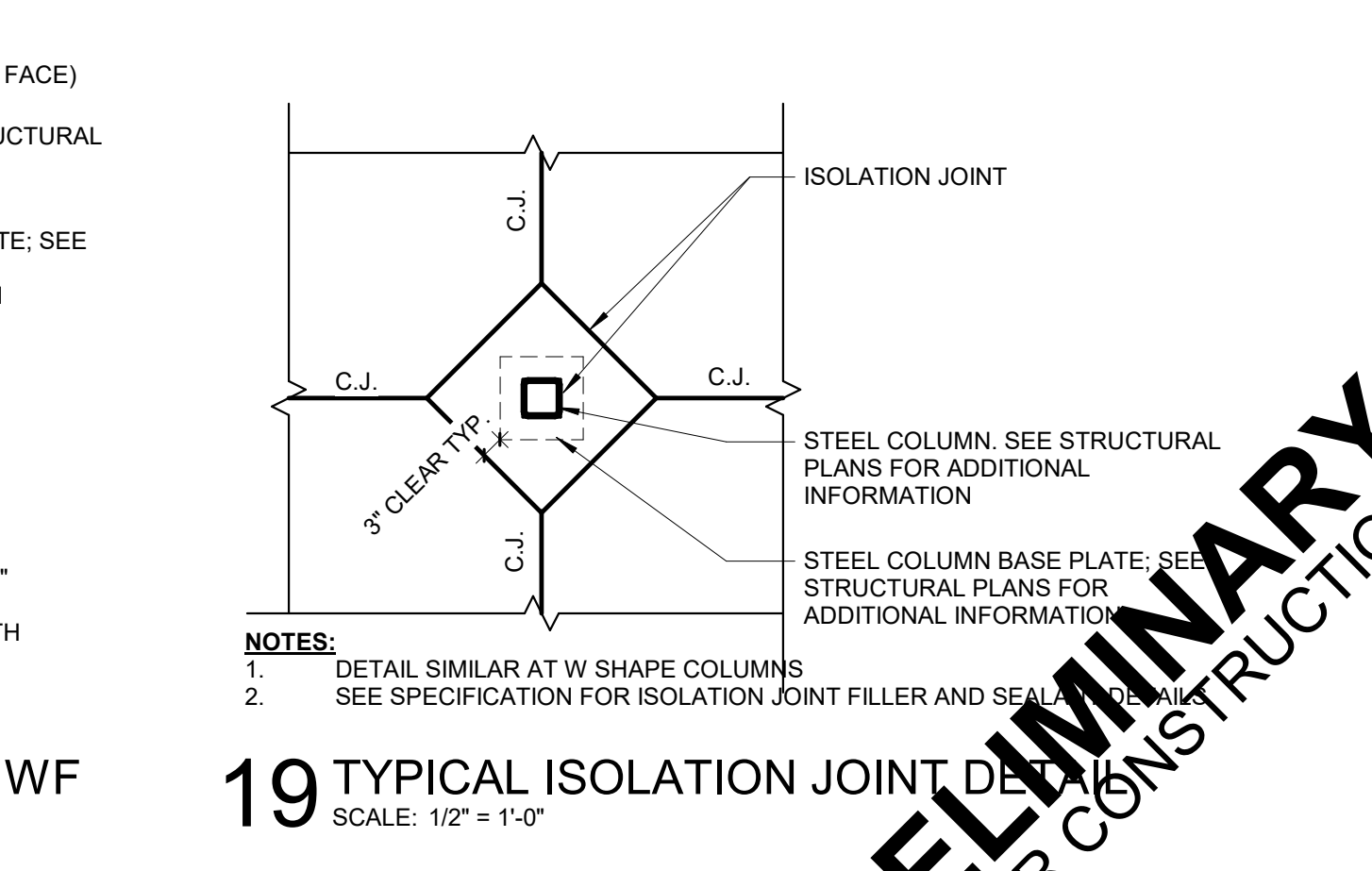
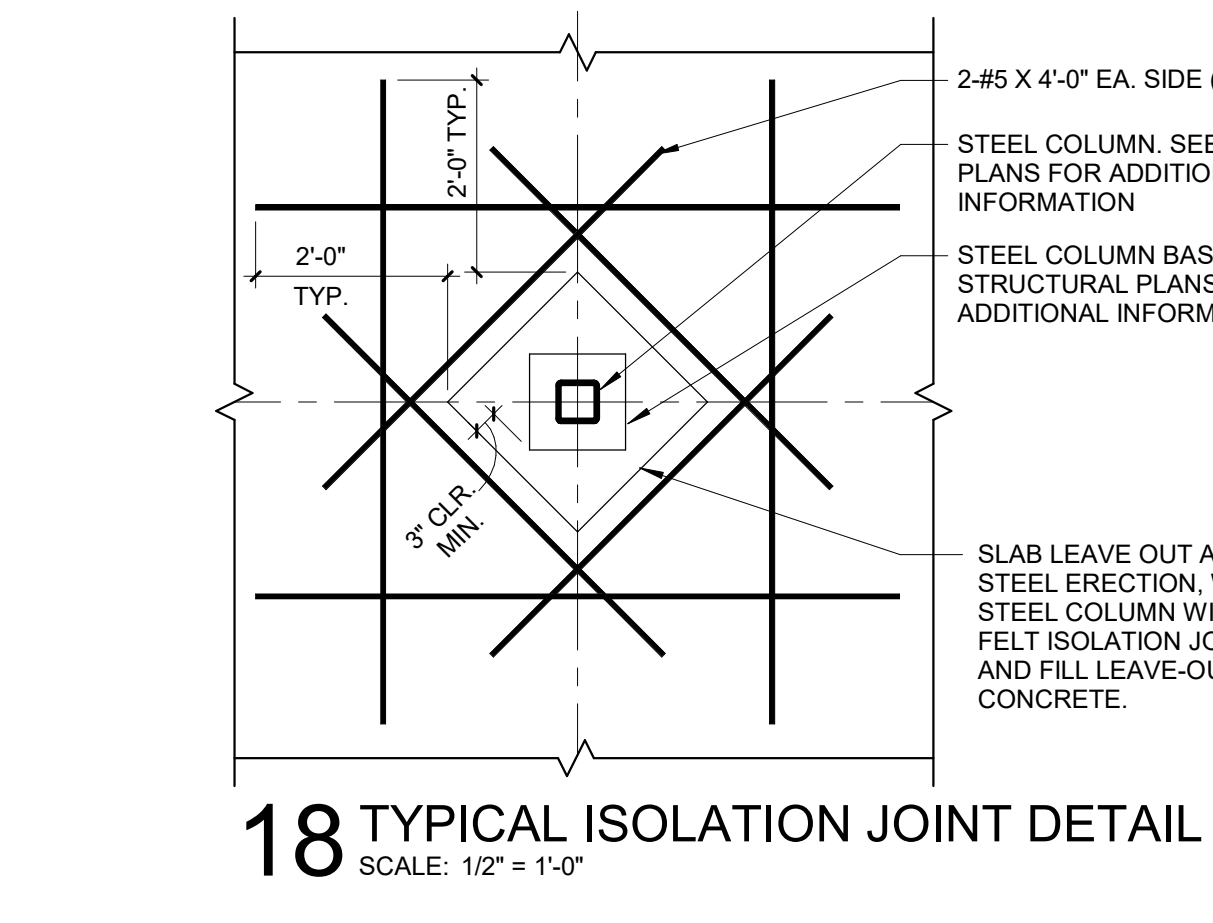
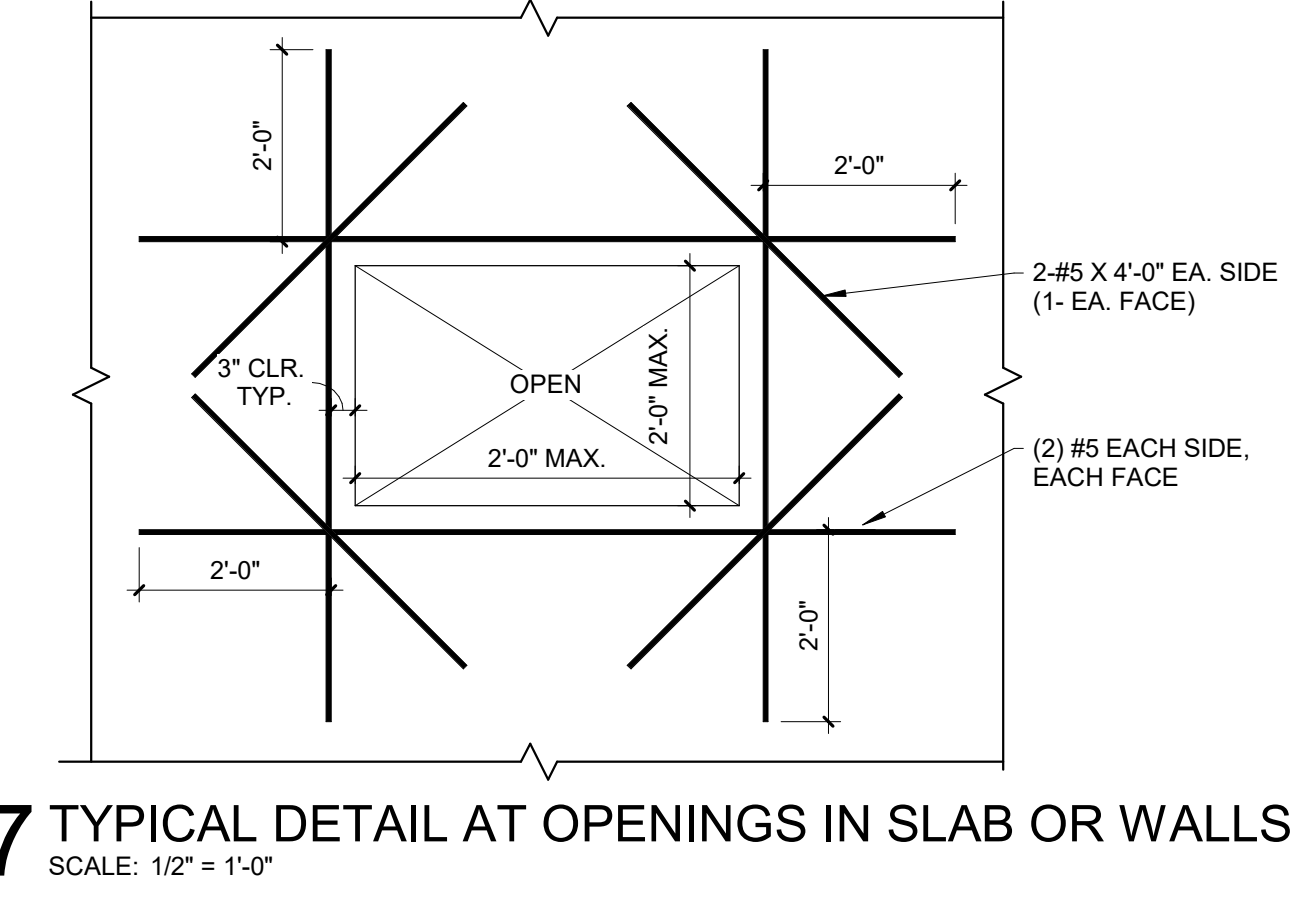
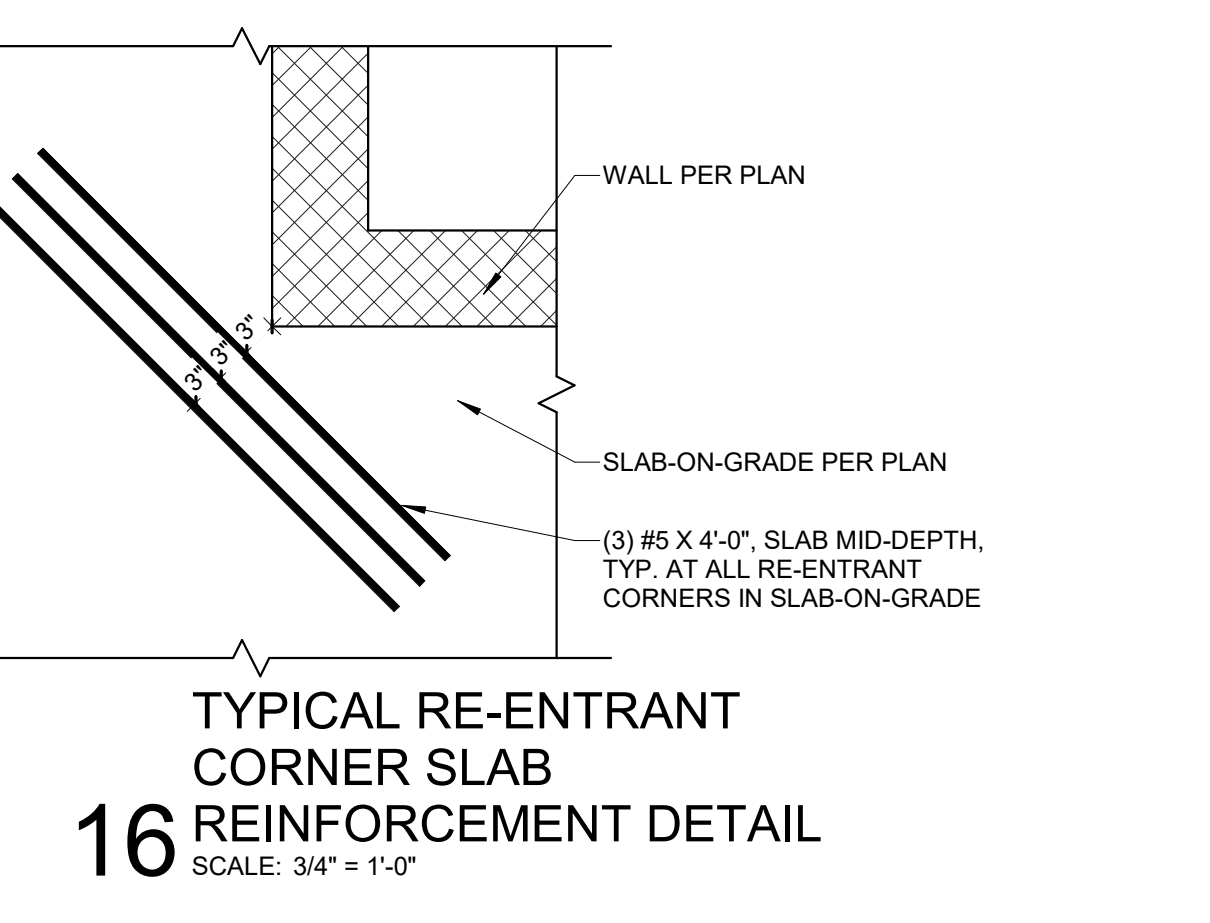
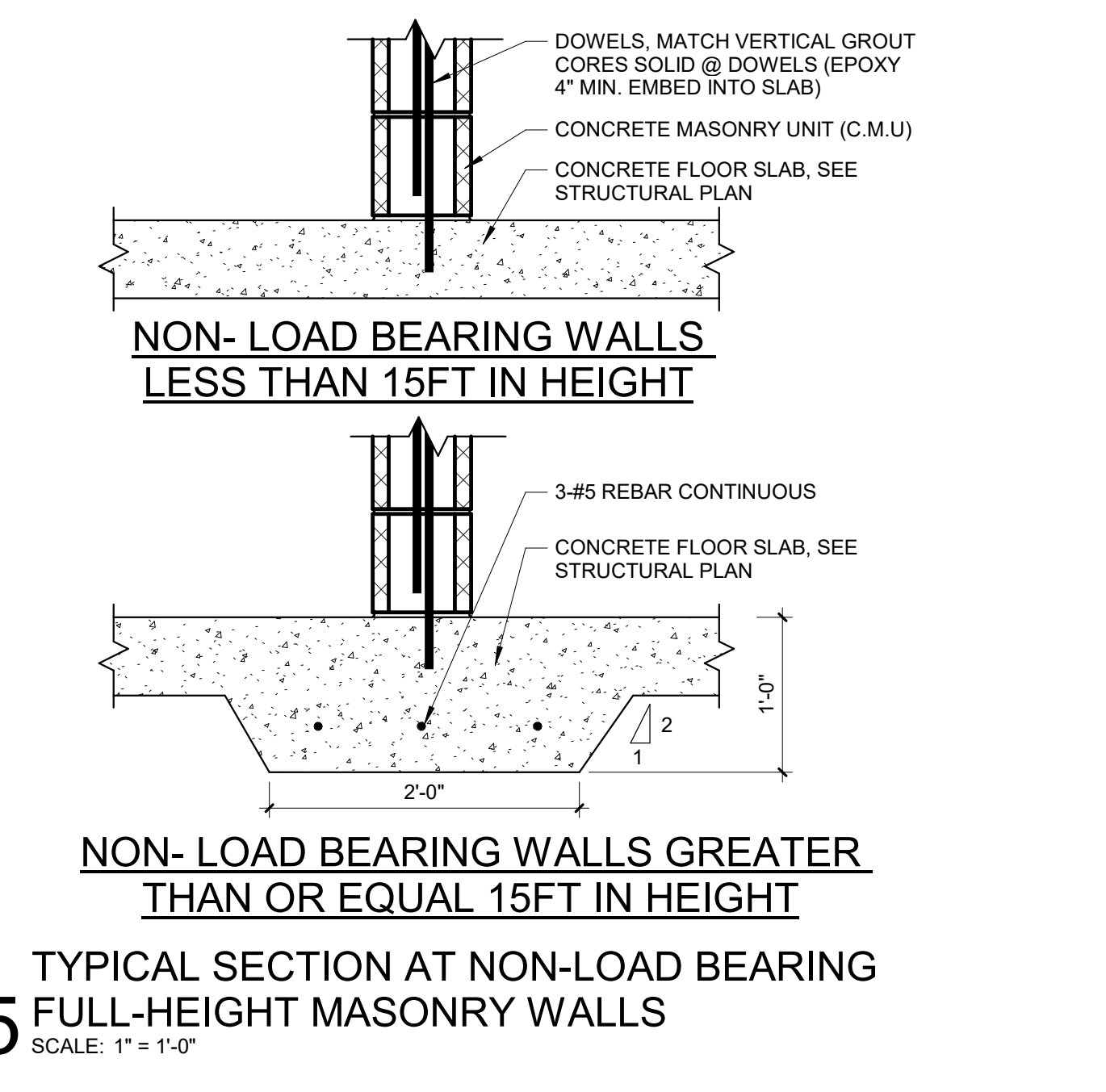
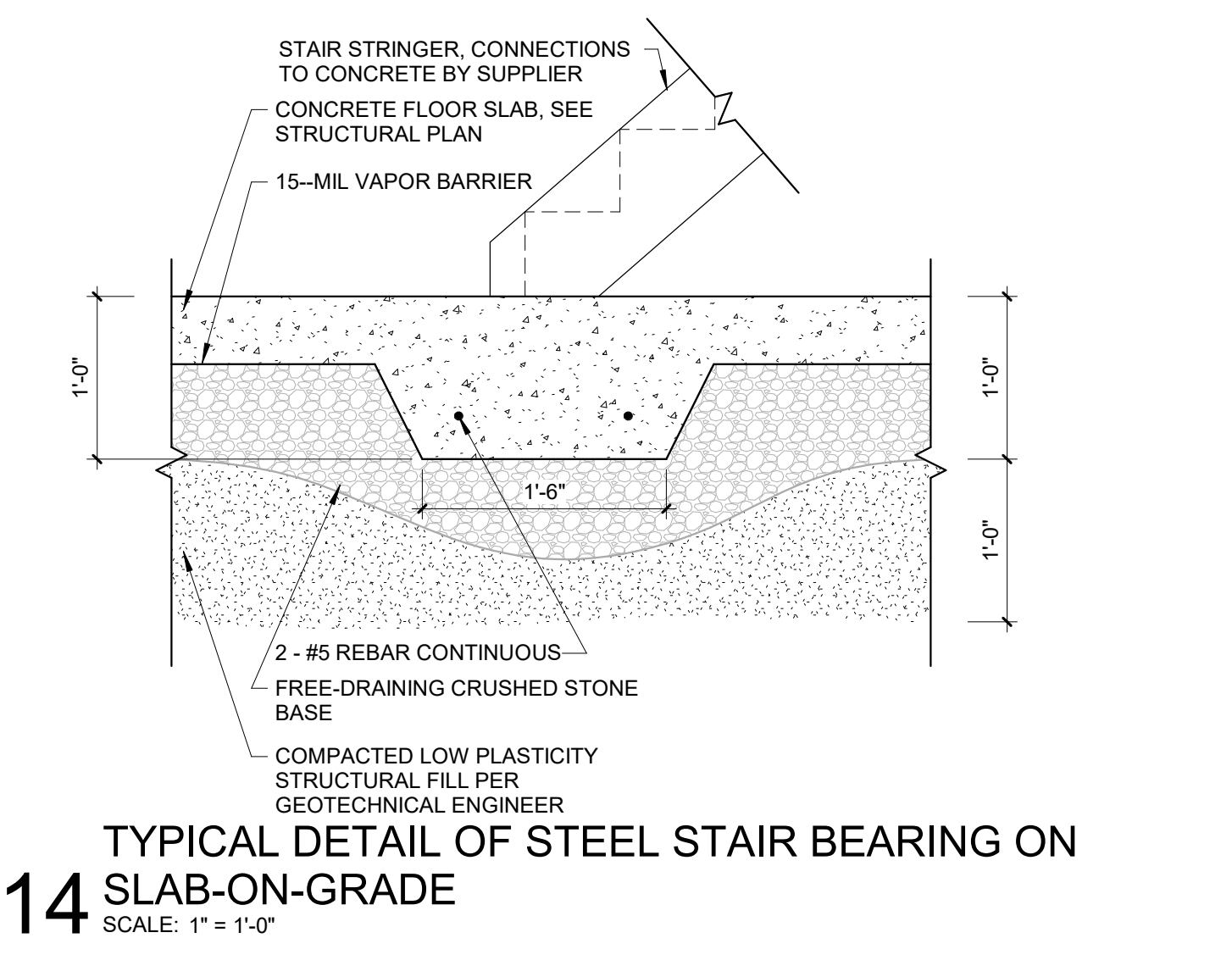
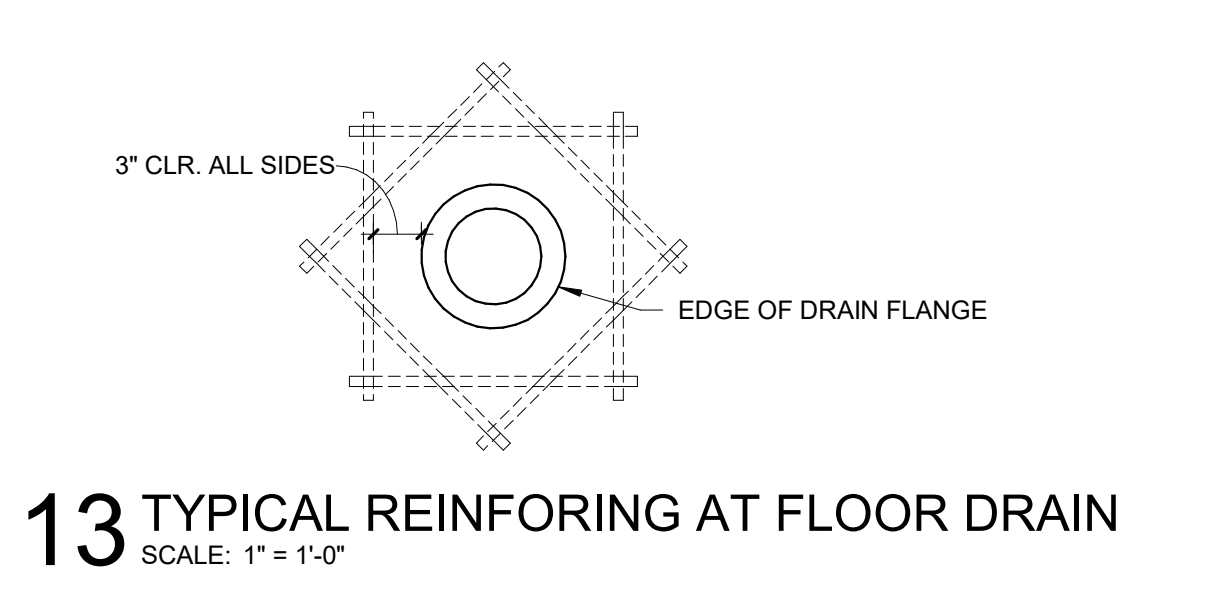
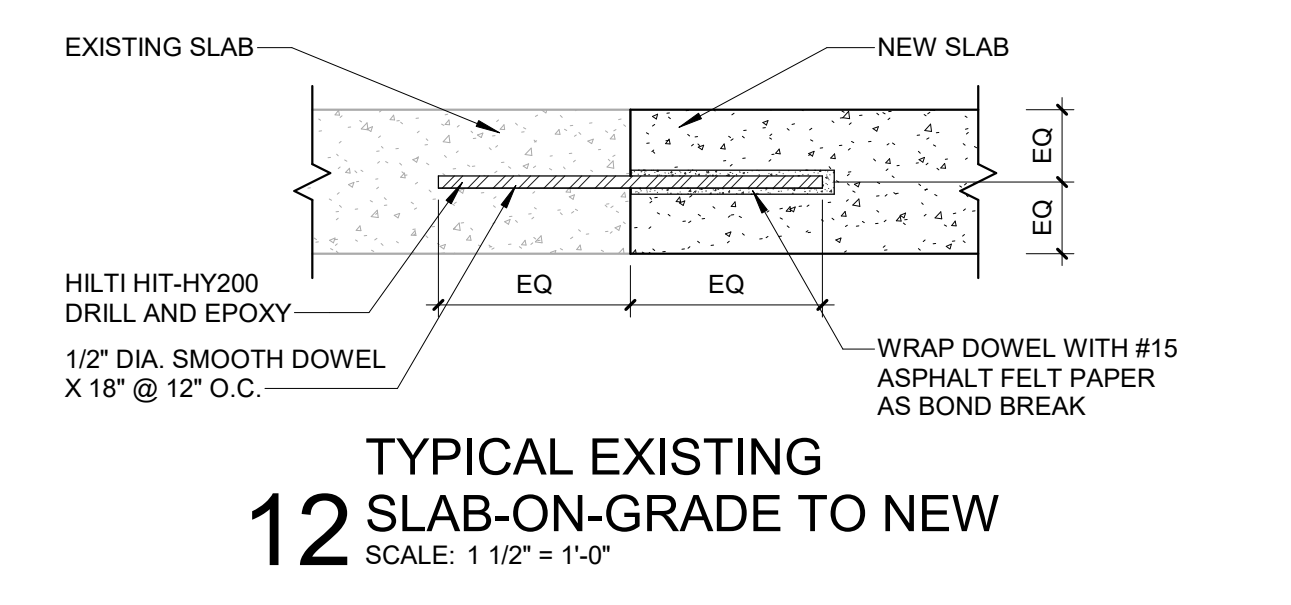
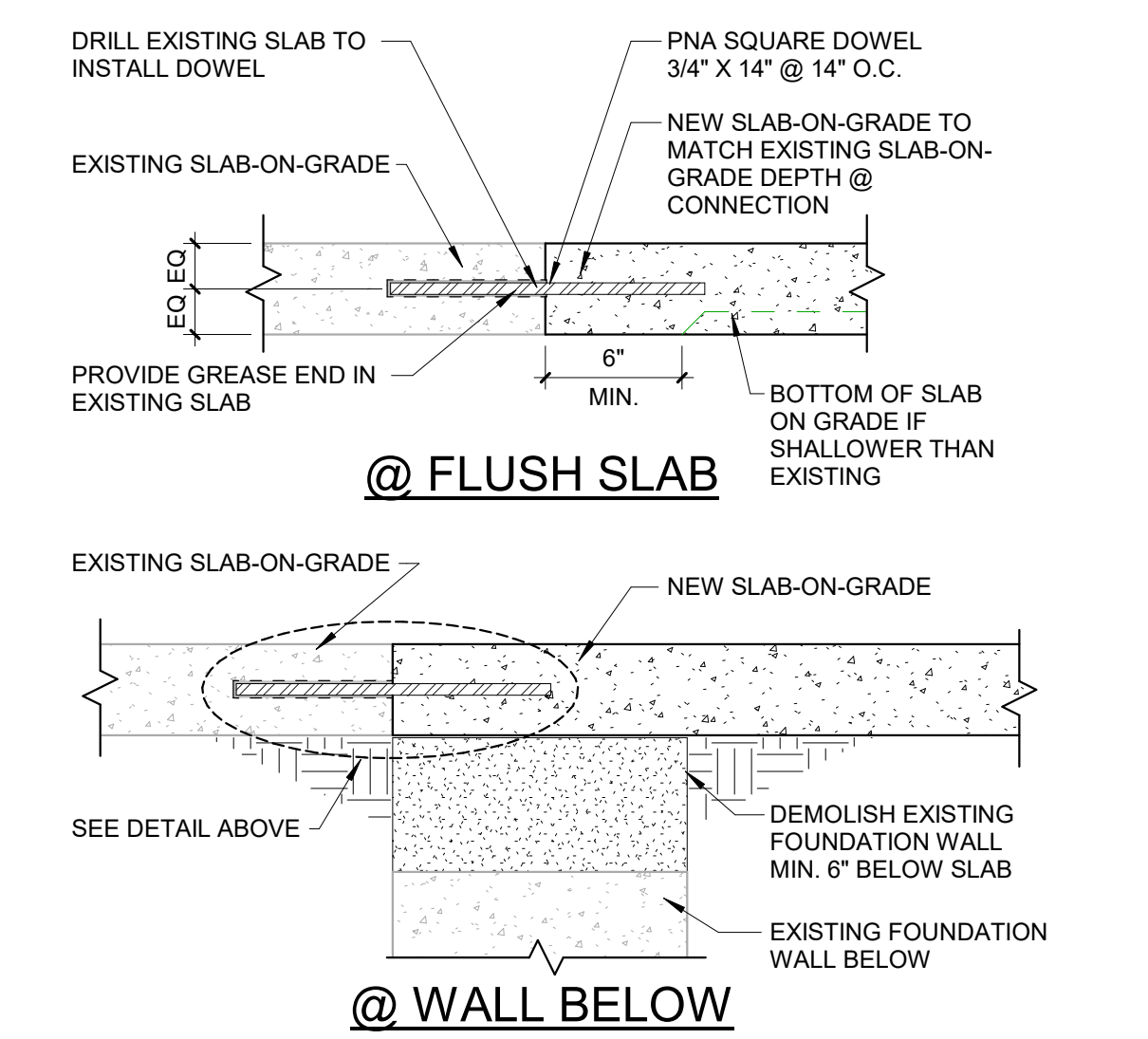
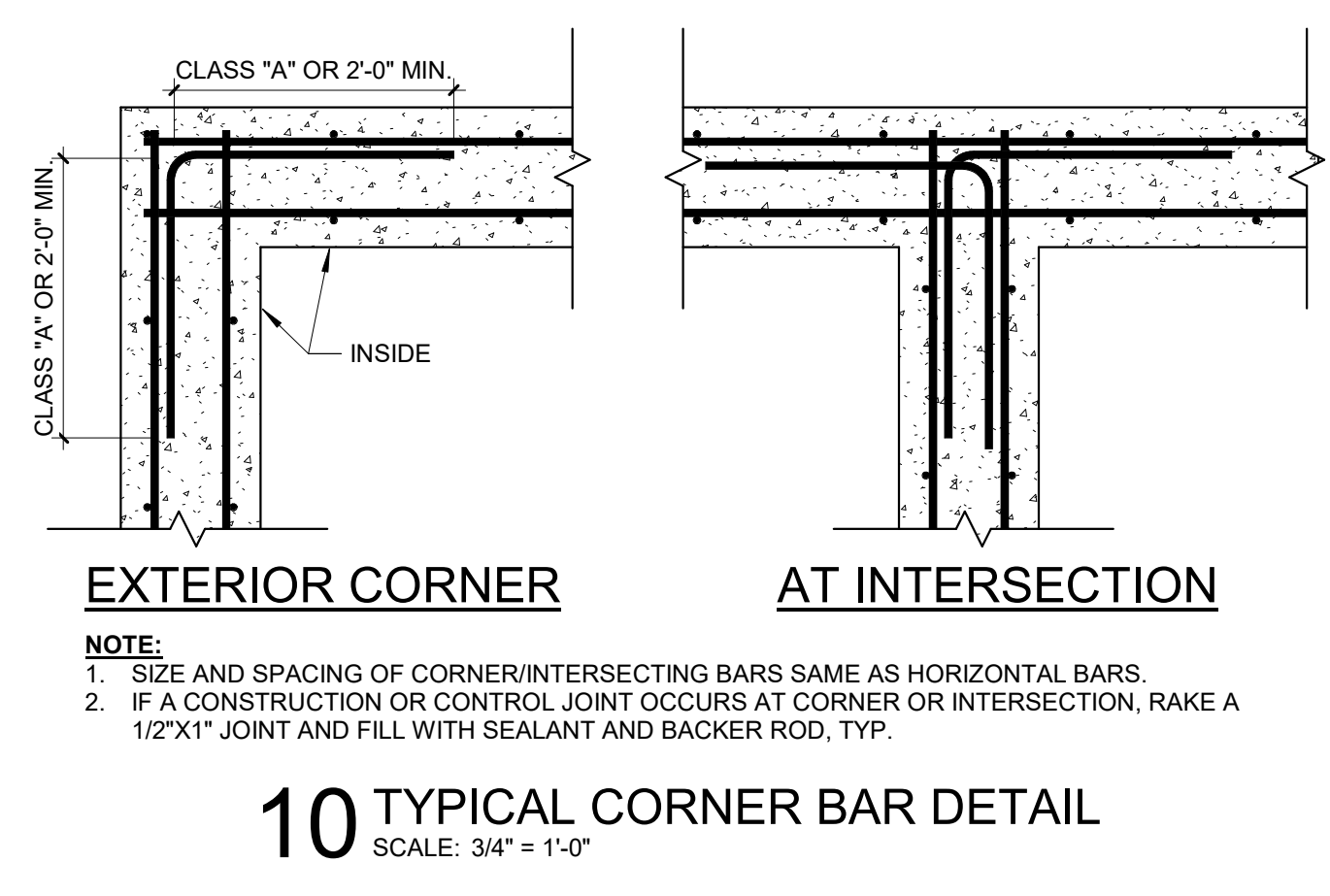
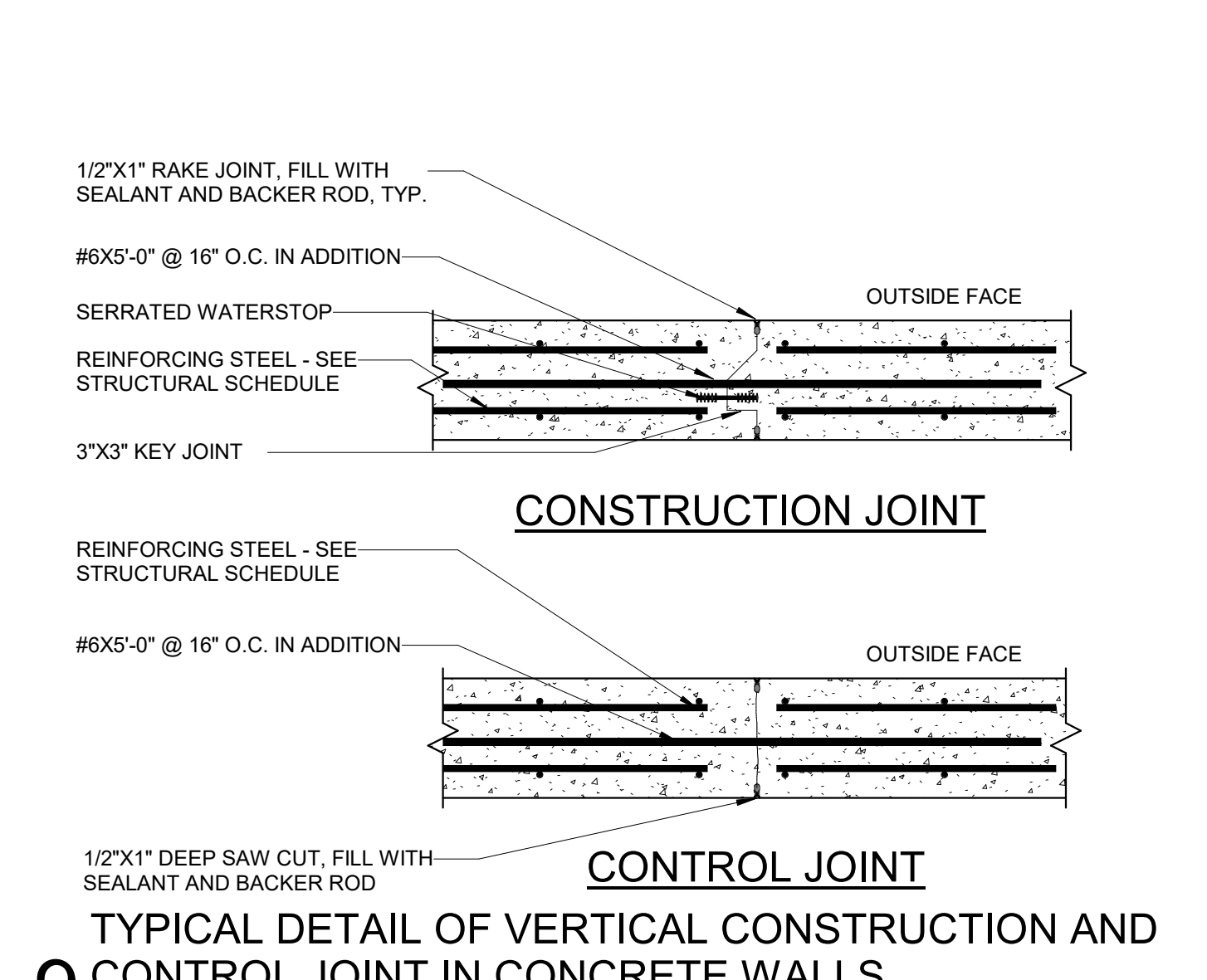
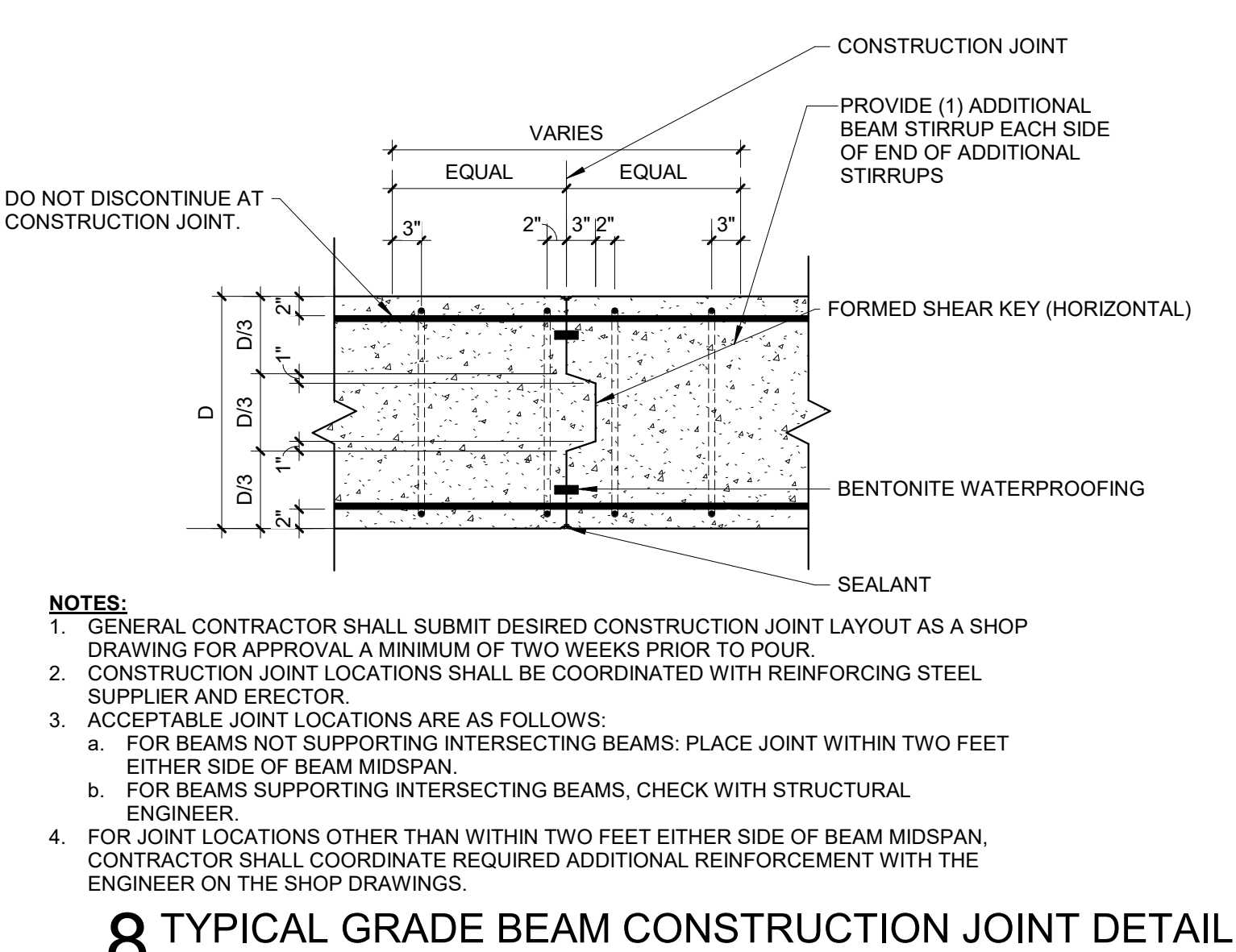
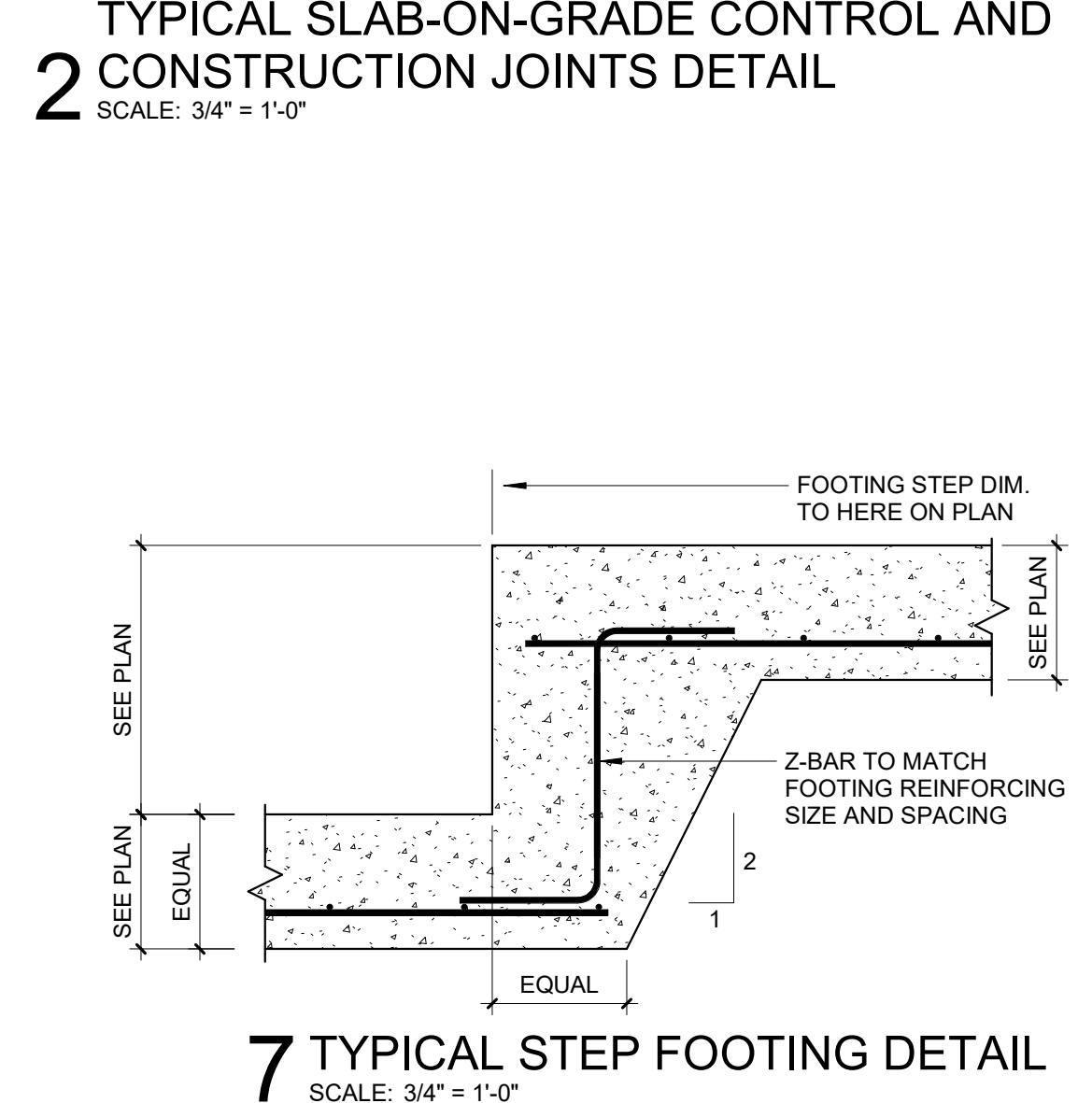
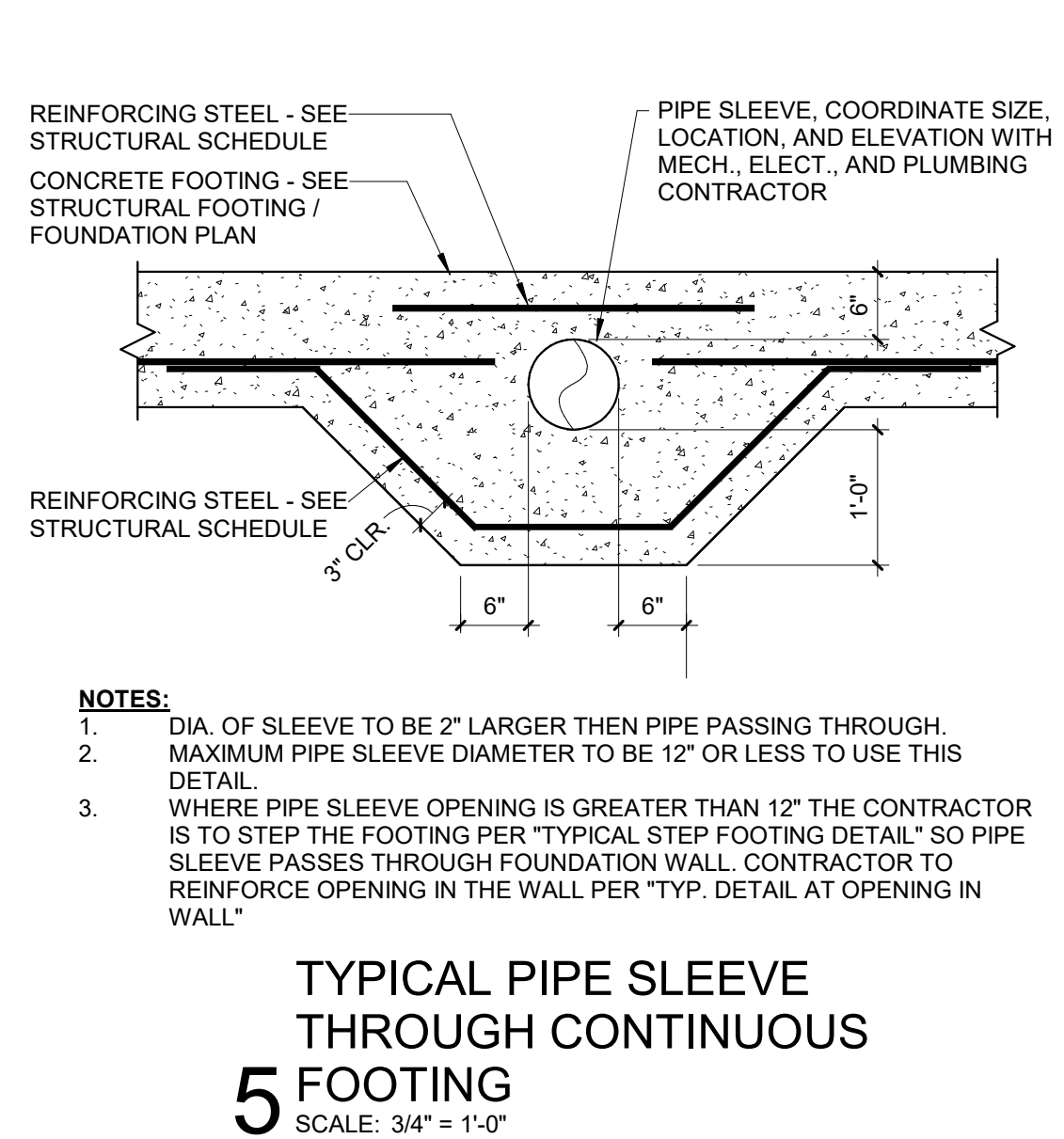
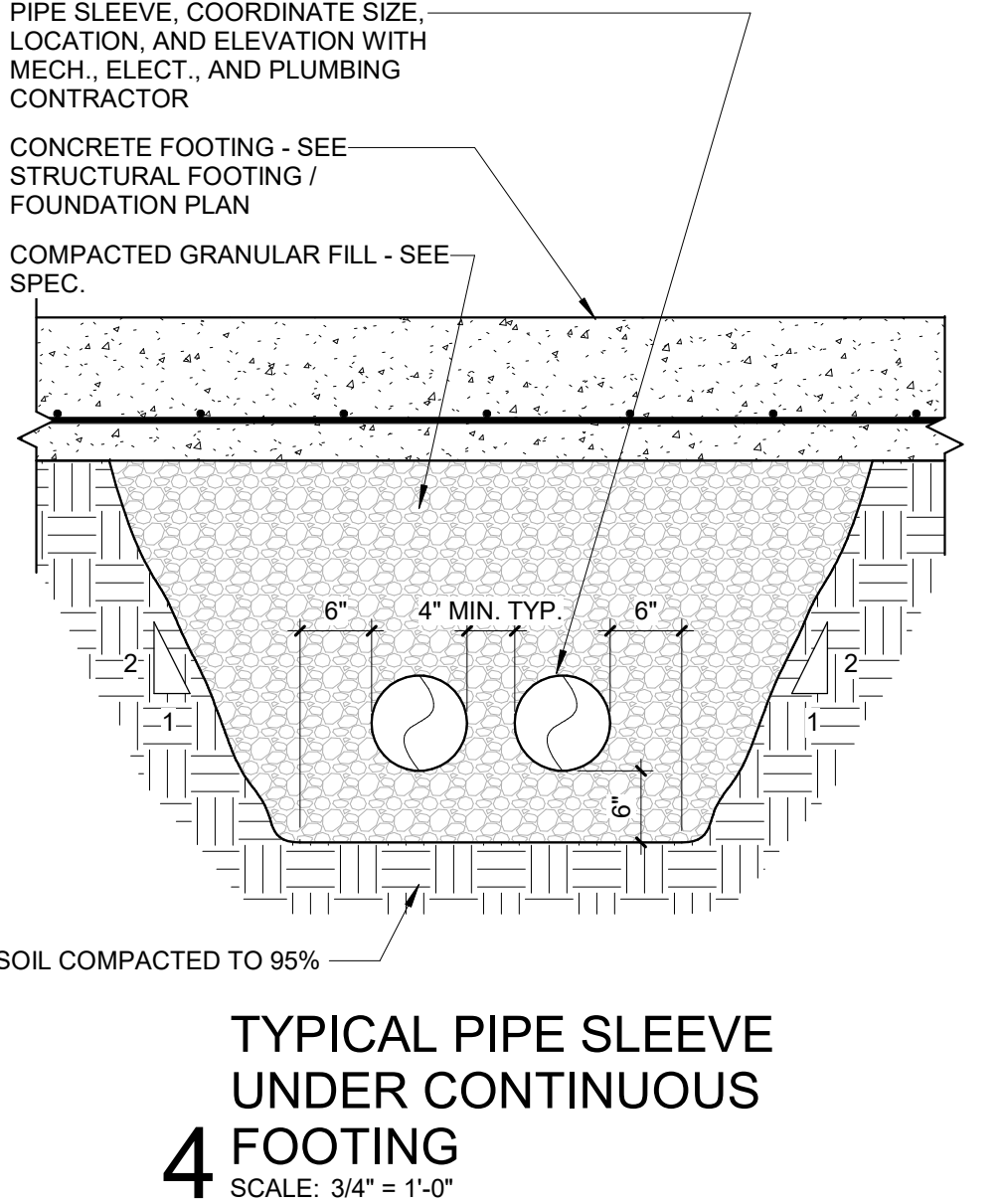
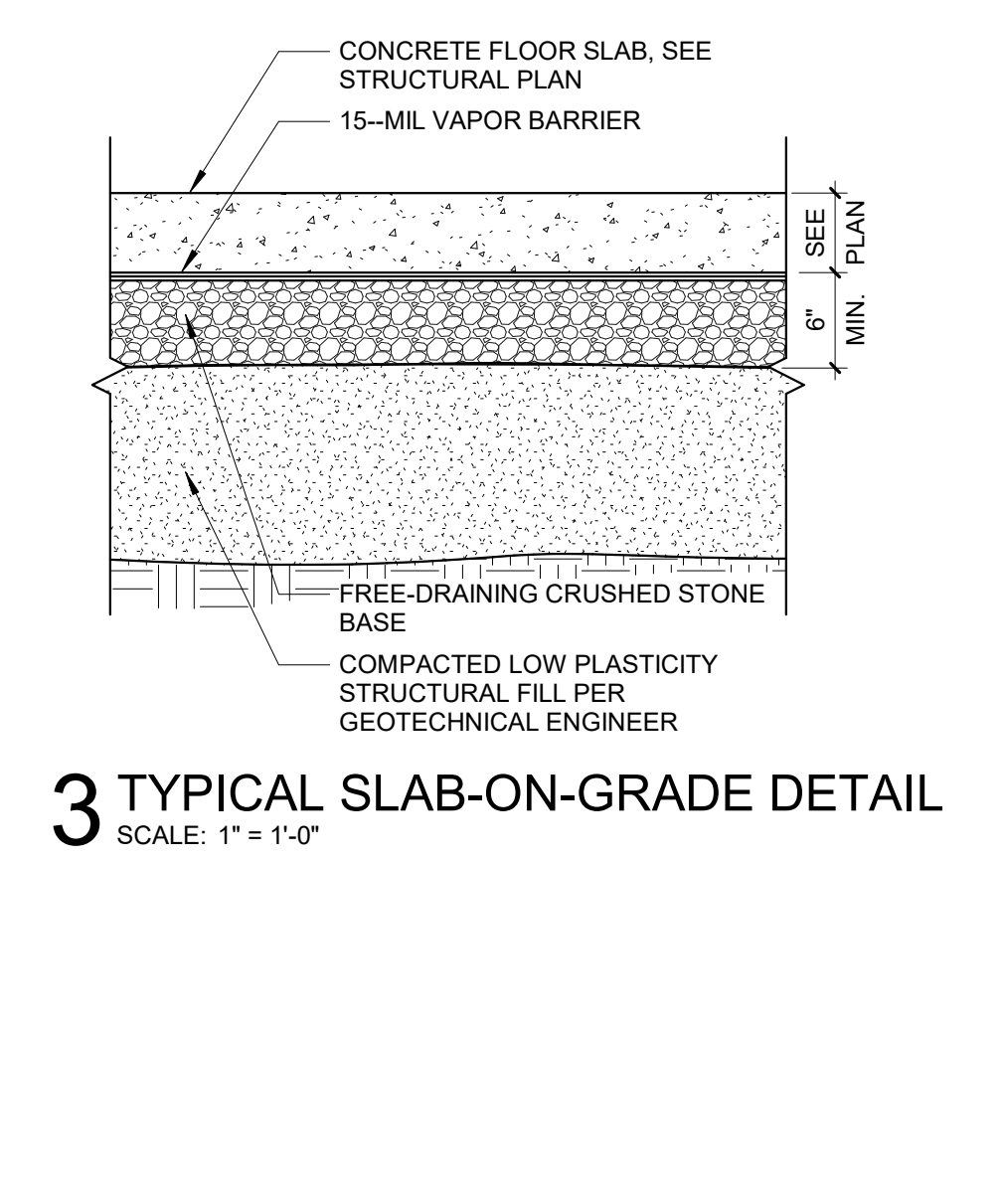
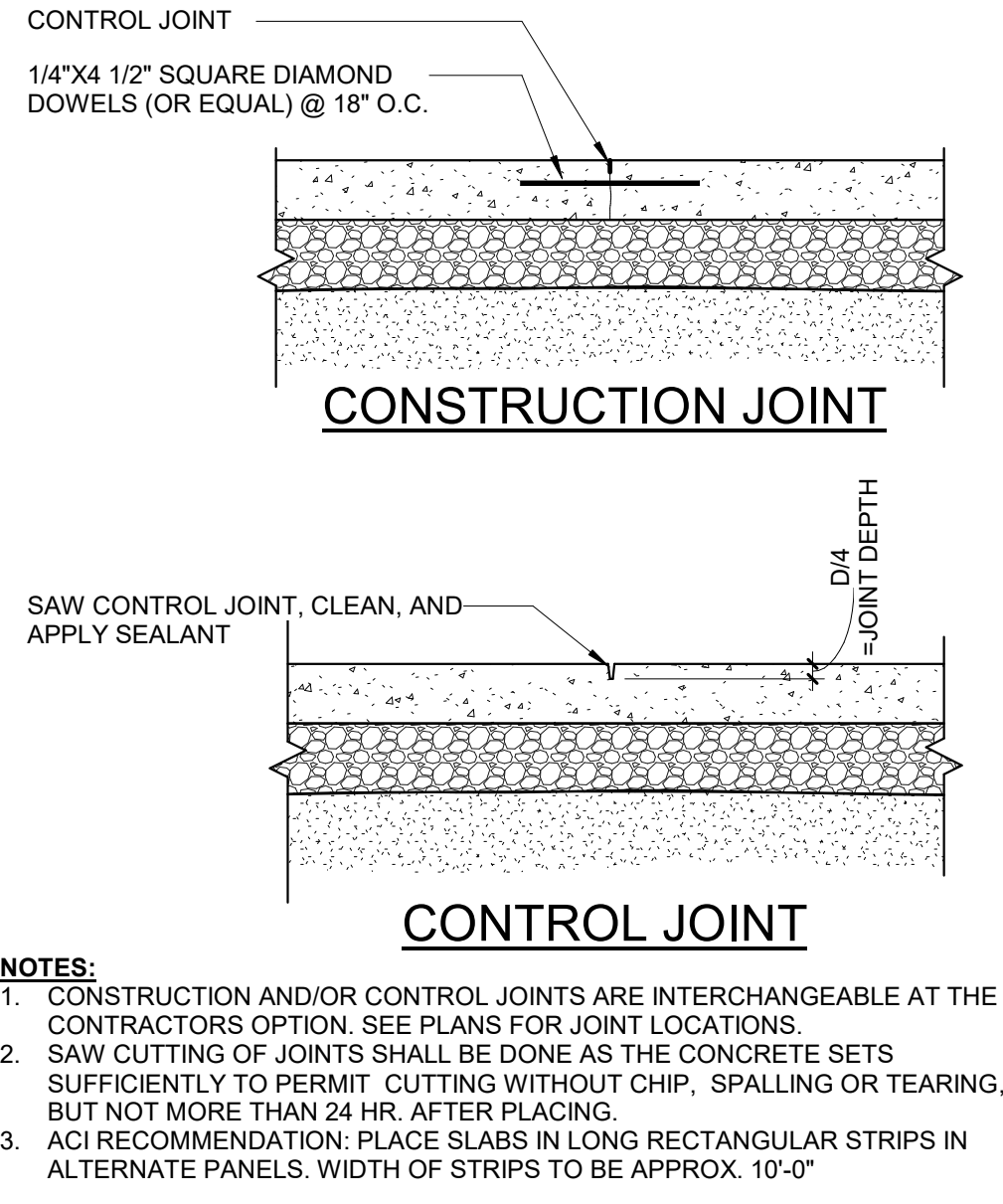
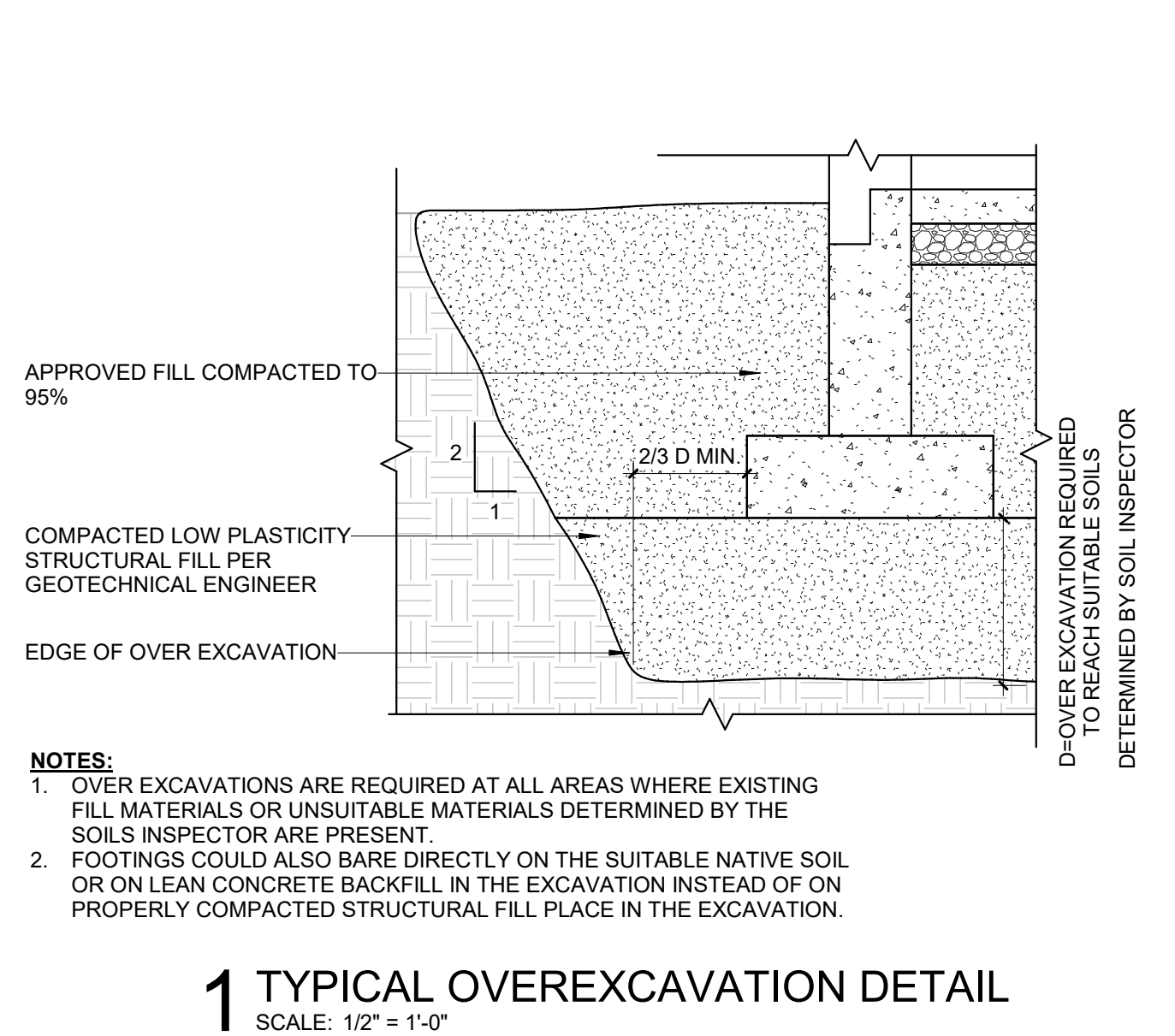
COMPOSITE BEAMS

- NUMBER OF SHEAR CONNECTORS (S.C.) SHOWN ON THE DRAWINGS ARE BASED UPON THE ASSUMED SHEAR CAPACITIES THAT FOLLOW: 11.5K EACH FOR NORMAL WEIGHT CONCRETE (145PCF) 9.9K EACH FOR LIGHT WEIGHT CONCRETE (115PCF)... CAPACITY VARIES WITH THE TYPE AND LENGTH OF THE S.C. AND WITH THE PROPERTIES OF THE COMPOSITE DECK... CONTRACTOR SHALL FURNISH THE ADDITIONAL CONCRETE DUE TO WET CONCRETE DEFLECTION OF THE COMPOSITE BEAMS...

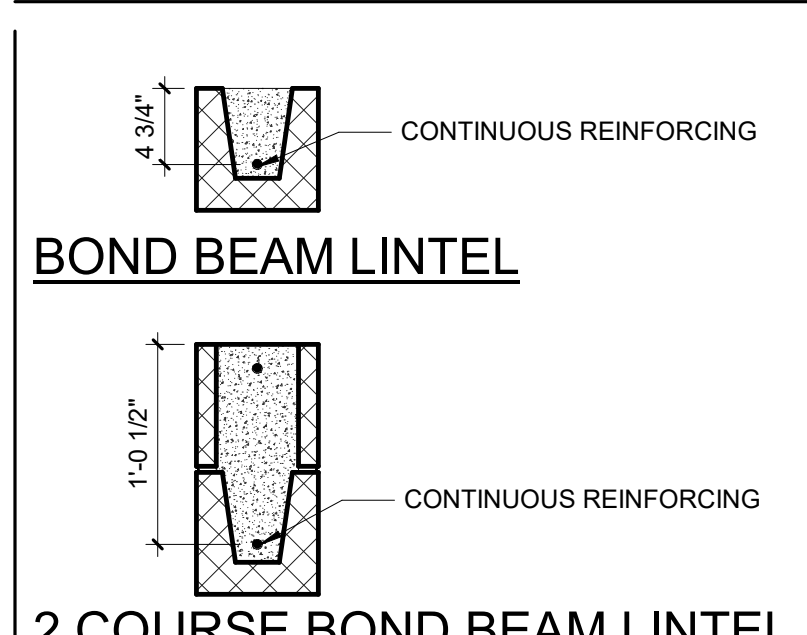
STEEL JOIST

- STEEL JOISTS SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH 'S.J.1' SPECIFICATIONS... BRIDGING SHALL BE SPACED IN ACCORDANCE WITH S.J.1 SPECIFICATIONS AND THE ERECTION DRAWINGS OF THE JOIST SUPPLIER... BRIDGING SHALL BE ATTACHED TO SUPPORTING STEEL WORK AS NOTED ON THE DRAWINGS... BRIDGING THAT TERMINATES AT, OR IS INTERRUPTED BY, STRUCTURAL STEEL BEAMS, SHALL BE ATTACHED THERE TO TO FIELD WELDS OR BOLTING... JOIST SHALL BE STOCKPILED AT THE JOBSITE IN A VERTICAL POSITION...

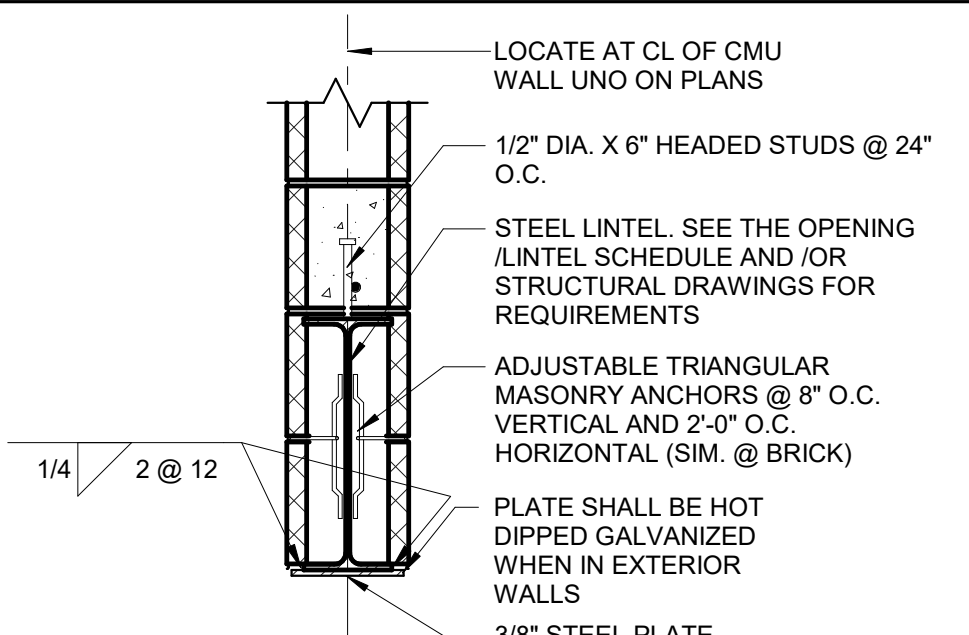
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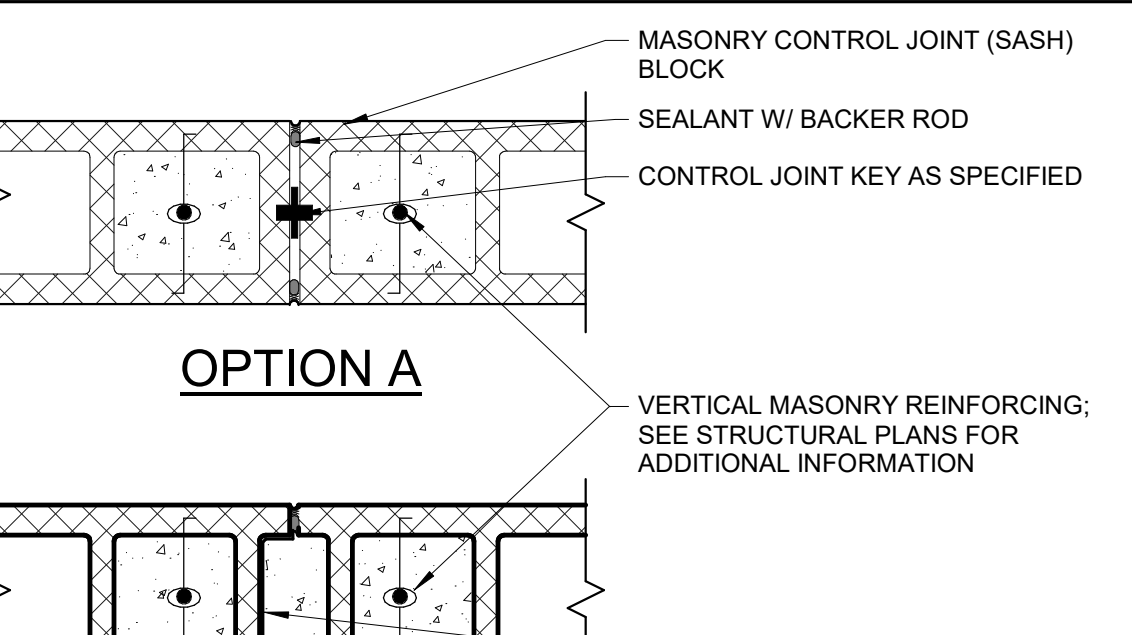
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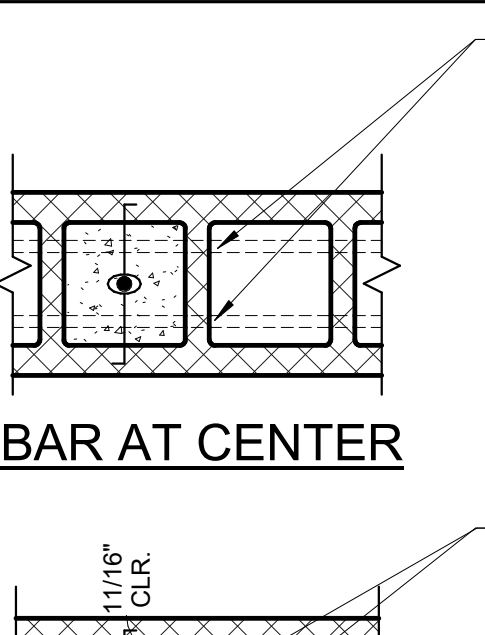
1 TYPICAL BOND BEAM LINTEL DETAILS
SCALE: 1" = 1'-0"



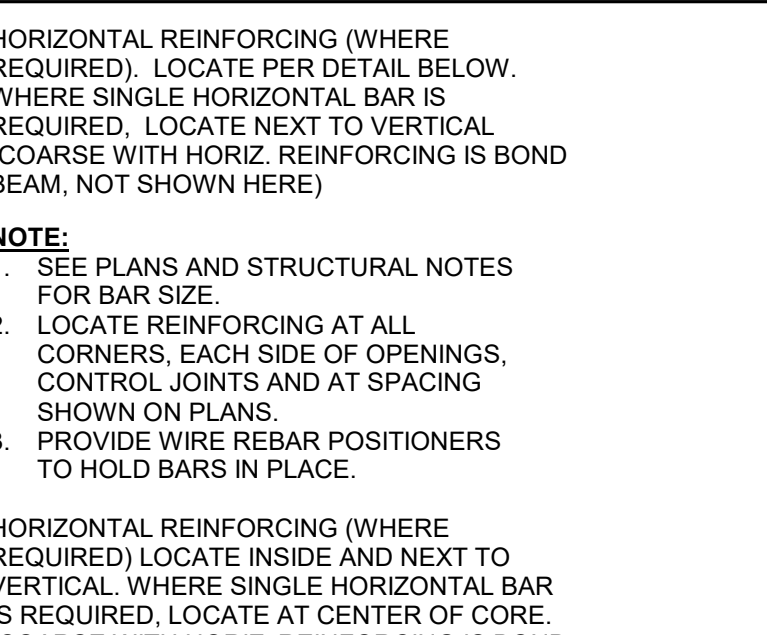
2 TYPICAL STEEL LINTEL DETAIL
SCALE: 1" = 1'-0"



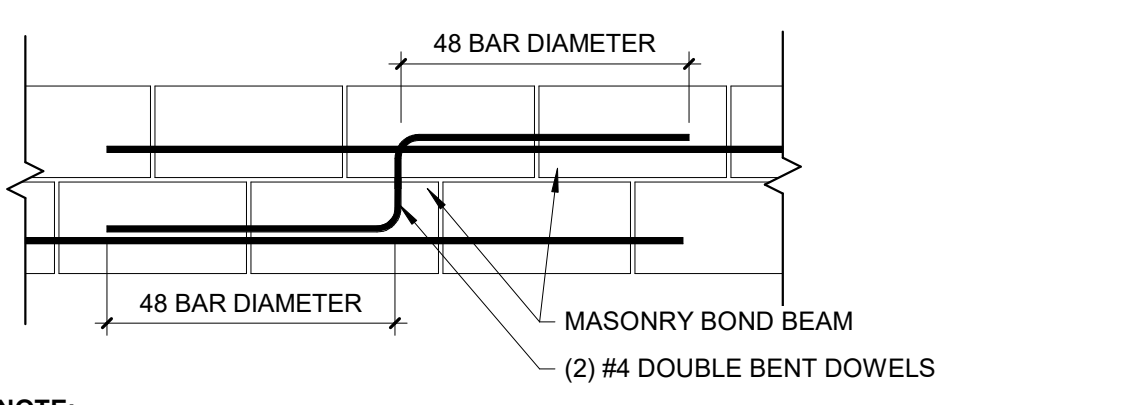
3 TYPICAL MASONRY CONTROL JOINT
SCALE: 1 1/2" = 1'-0"



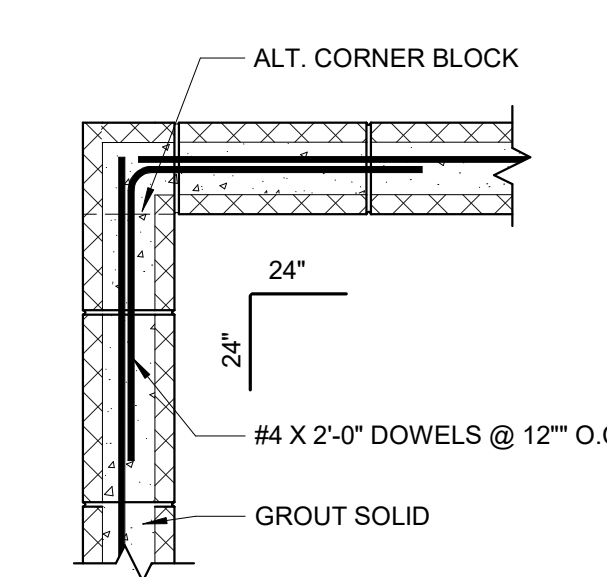
4 TYPICAL MASONRY WALL REINFORCING PLACEMENT
SCALE: 1 1/2" = 1'-0"



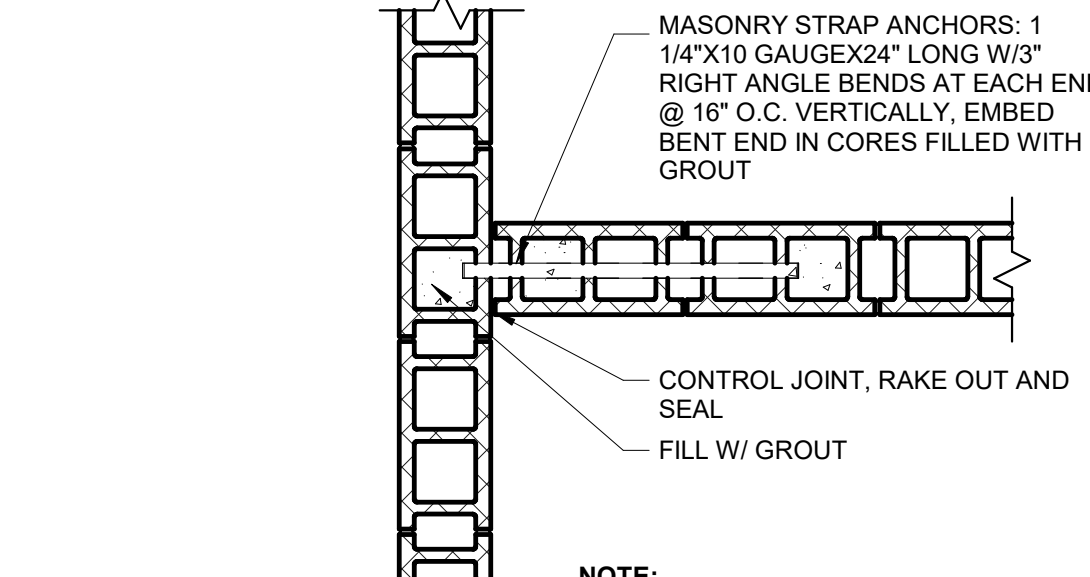
5 TYPICAL LINTEL REINFORCING AT INTERSECTION
SCALE: 1" = 1'-0"



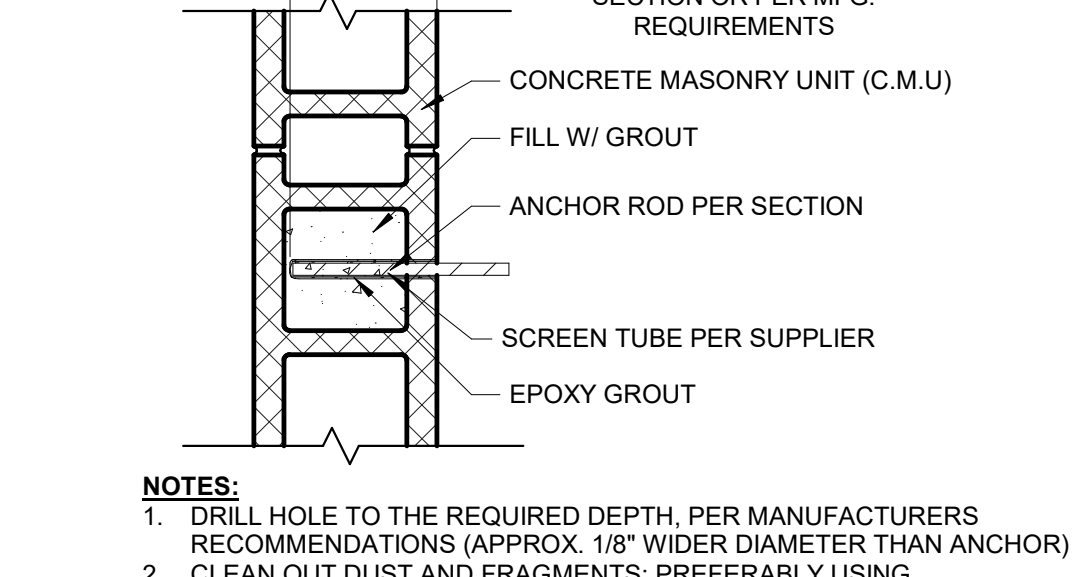
6 TYPICAL STEPPED BOND BEAM DETAIL
SCALE: 3/4" = 1'-0"



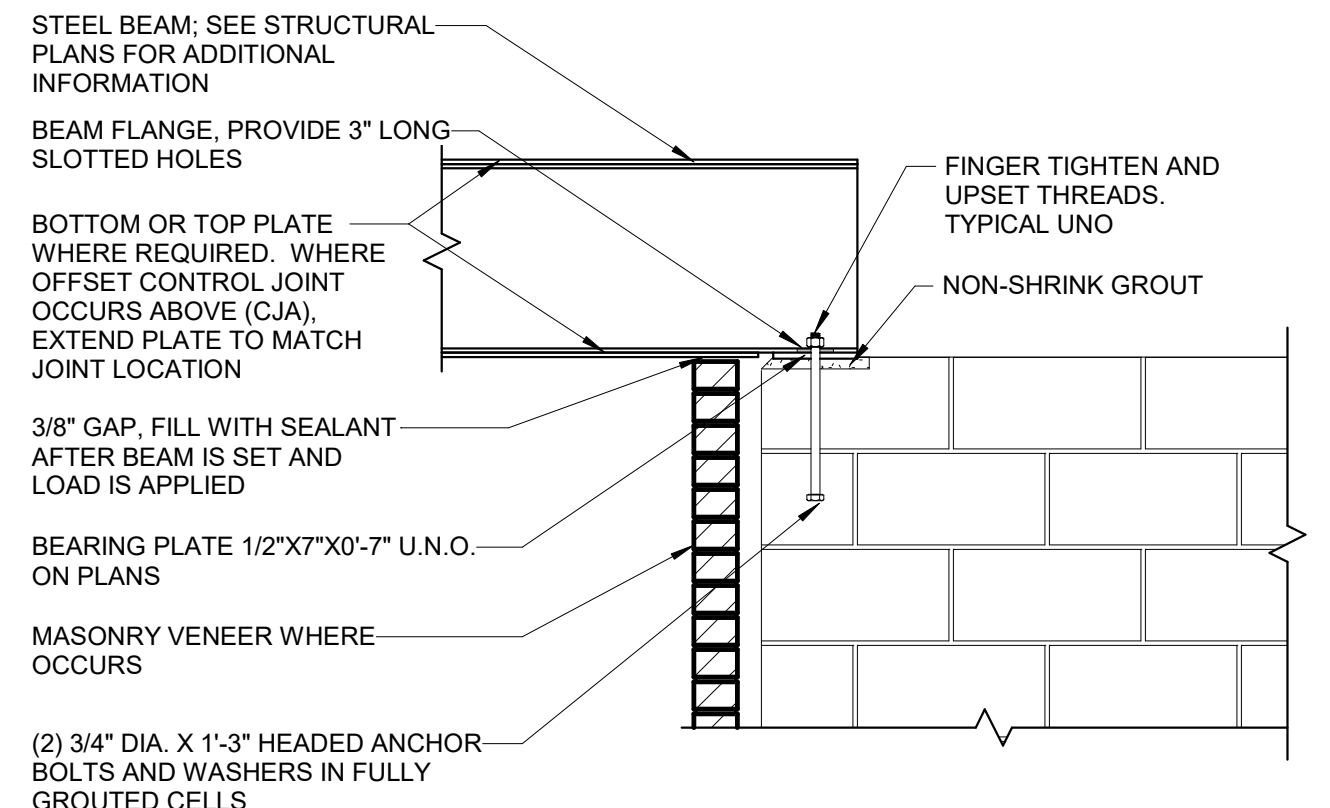
7 TYPICAL CMU BOND BEAM CORNER BAND
SCALE: 3/4" = 1'-0"



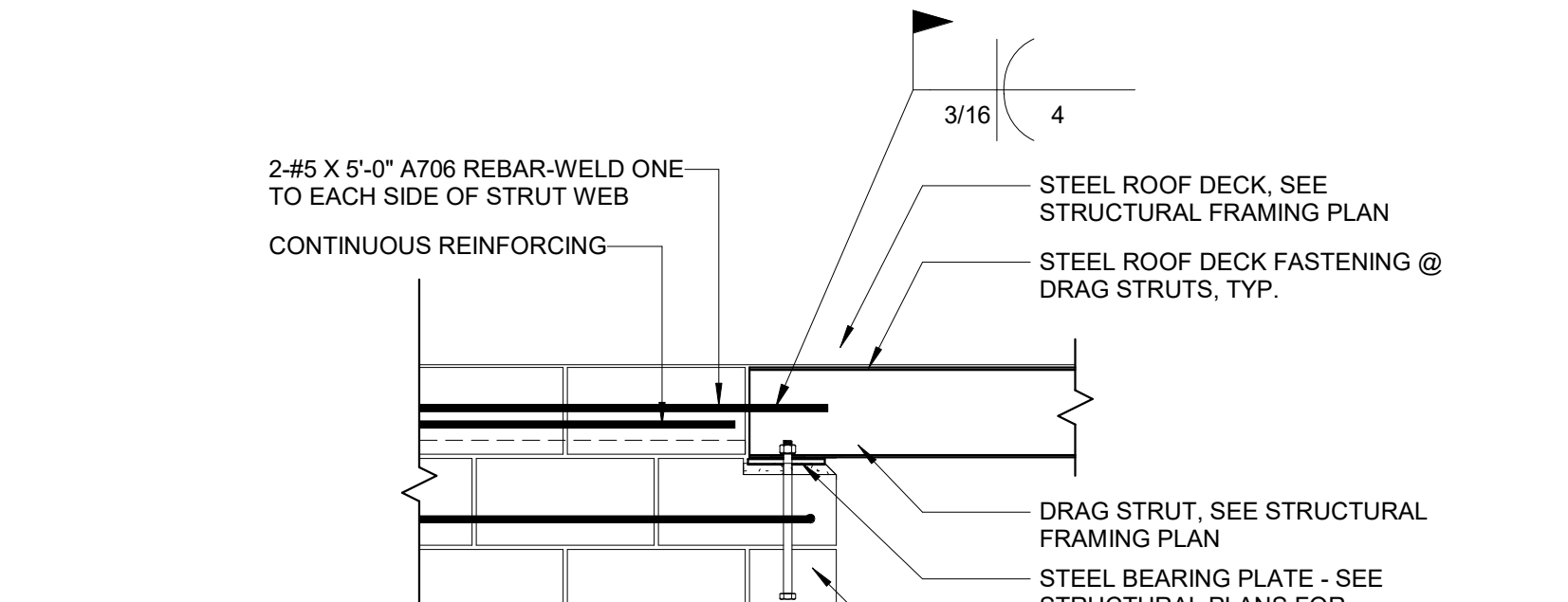
8 TYPICAL INTERSECTION OF CMU WALLS
SCALE: 3/4" = 1'-0"



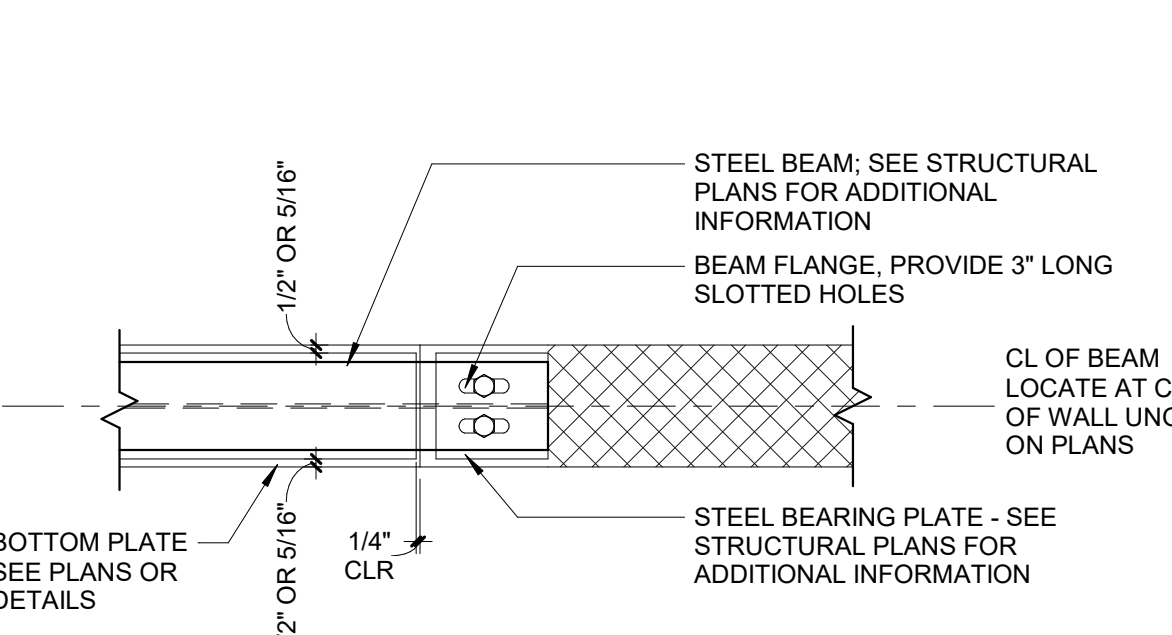
9 TYPICAL EPOXY ANCHORING DETAIL
SCALE: 1 1/2" = 1'-0"



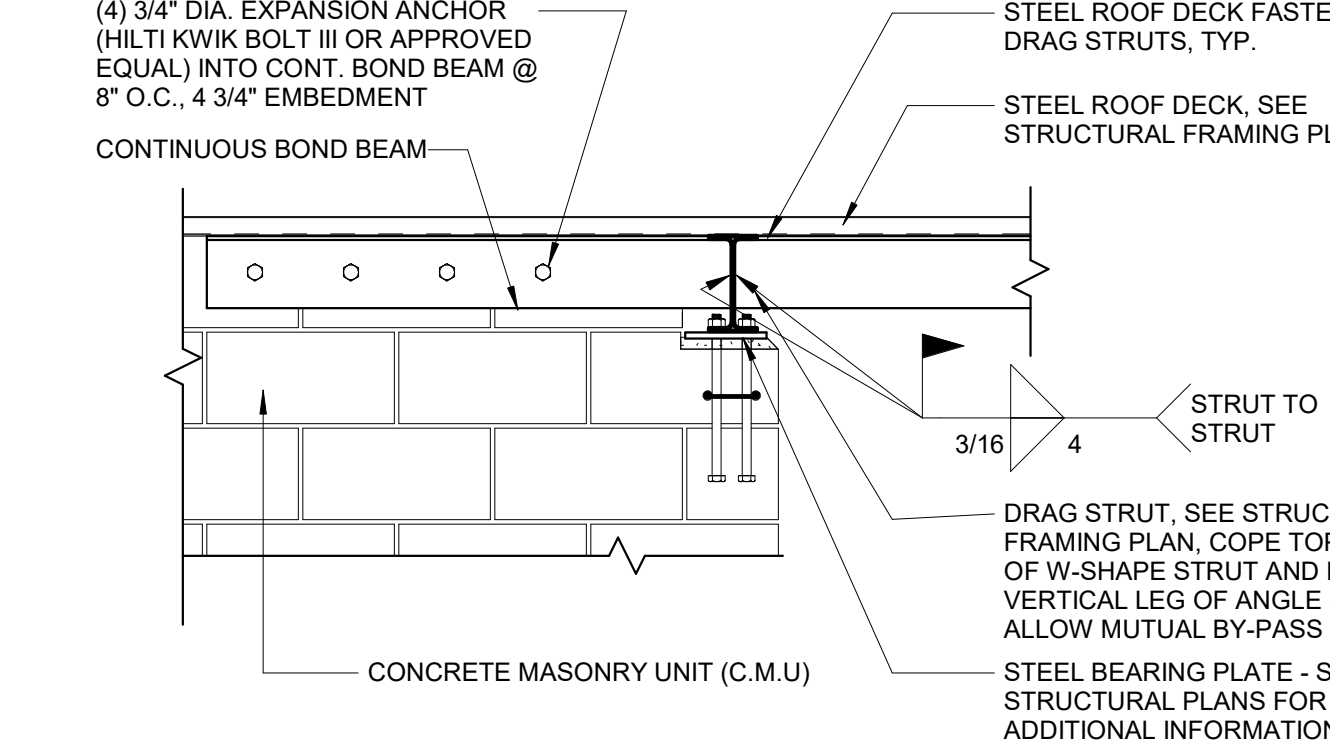
10 TYPICAL BEARING STEEL ON MASONRY
SCALE: 3/4" = 1'-0"



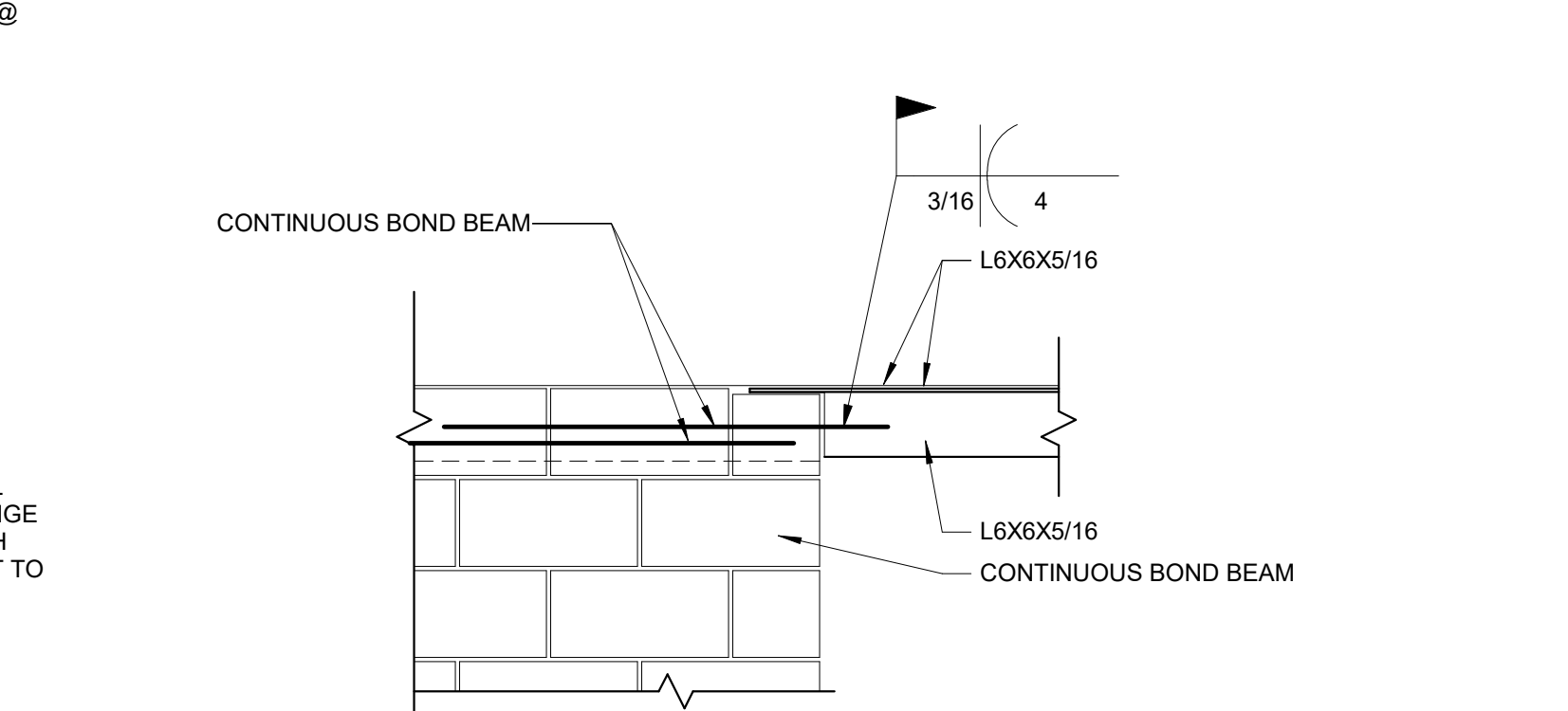
11 DRAG STRUT CONNECTION TO CMU WALL AT ROOF
SCALE: 3/4" = 1'-0"



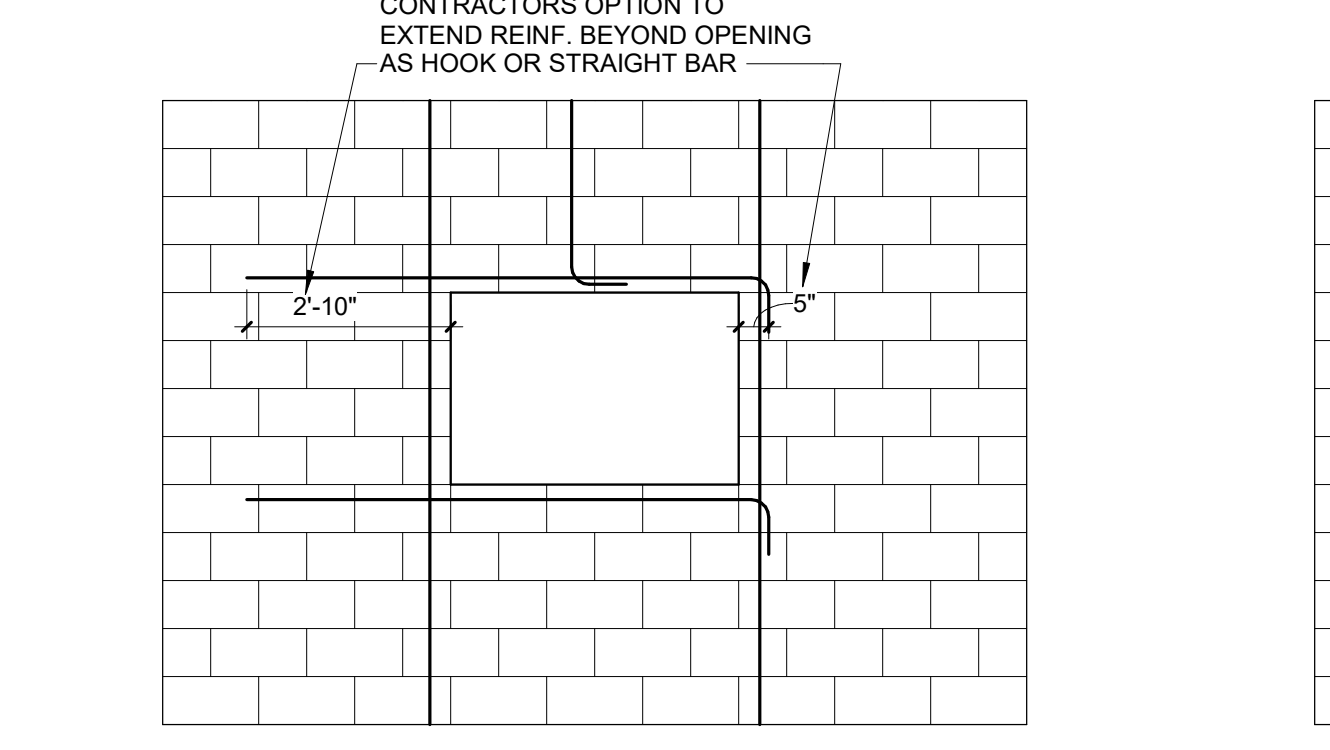
12 TYPICAL STEEL BEAM BEARING DETAIL
SCALE: 1" = 1'-0"



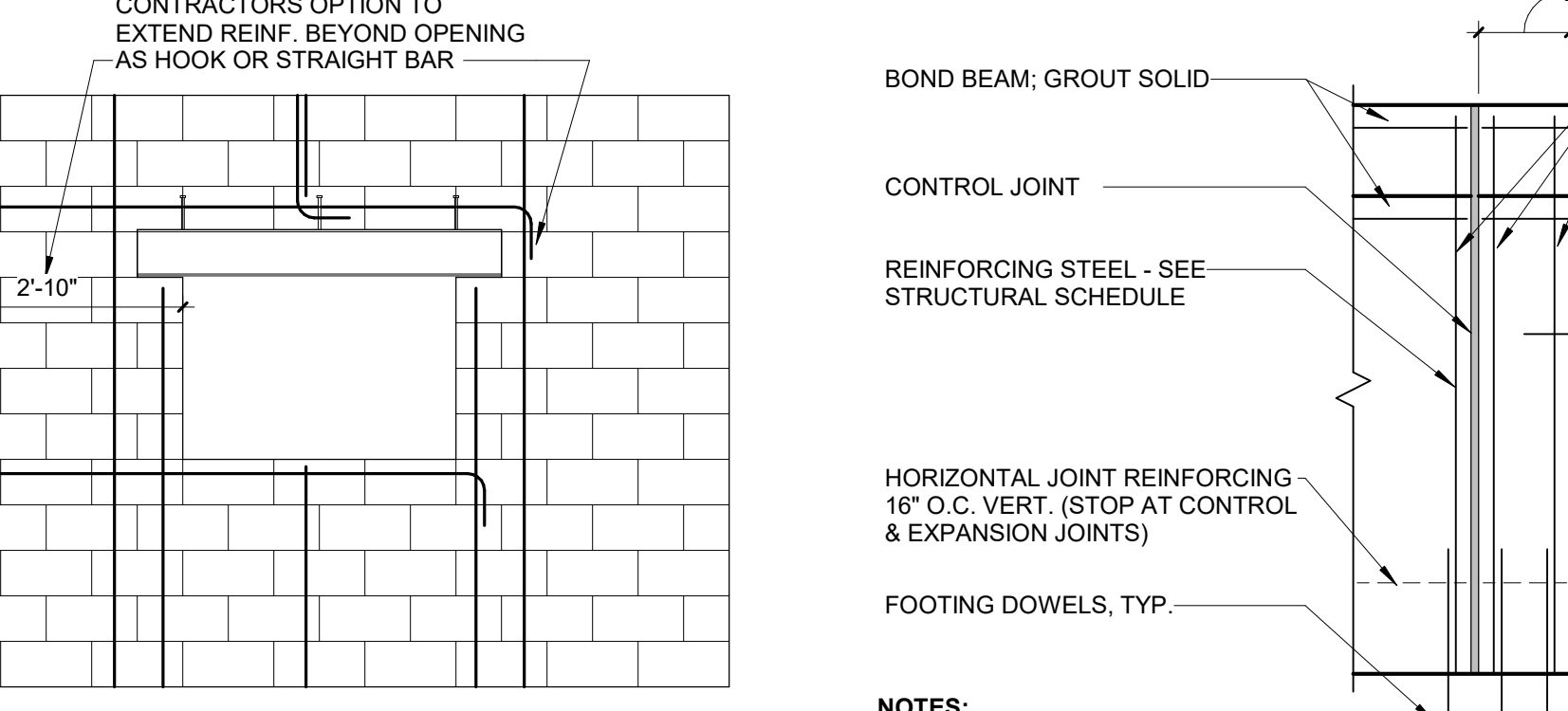
13 ANGLE DRAG STRUT CONNECTION TO CMU WALL AT ROOF
SCALE: 3/4" = 1'-0"



14 ANGLE DRAG STRUT CONNECTION TO CMU WALL AT ROOF
SCALE: 3/4" = 1'-0"



15 LINTEL ELEVATIONS
SCALE: 3/8" = 1'-0"



16 TYPICAL CMU WALL REINFORCING AT OPENINGS
SCALE: 1/4" = 1'-0"

S1.2 - LINTEL SCHEDULE

MARK	LINTEL SIZE	REINFORCEMENT	PIER	NOTES
L1	8" CMU, 8" DEEP	(1) #5	MP1	

S0.4 - LOAD BEARING CMU LINTEL SCHEDULE (MANUAL EDIT)

CMU LINTEL MARK	CMU WIDTH	CMU DEPTH	LINTEL REINFORCEMENT	AT BRICK NOTE	CMU PIER
L1	8"	8"	(1) #5	SEE NOTE 6	MP1
L2	8"	16"	(1) #5	SEE NOTE 6	MP2
L3	8"	24"	(1) #5	SEE NOTE 6	MP2

LOAD BEARING CMU LINTEL SCHEDULE NOTES:

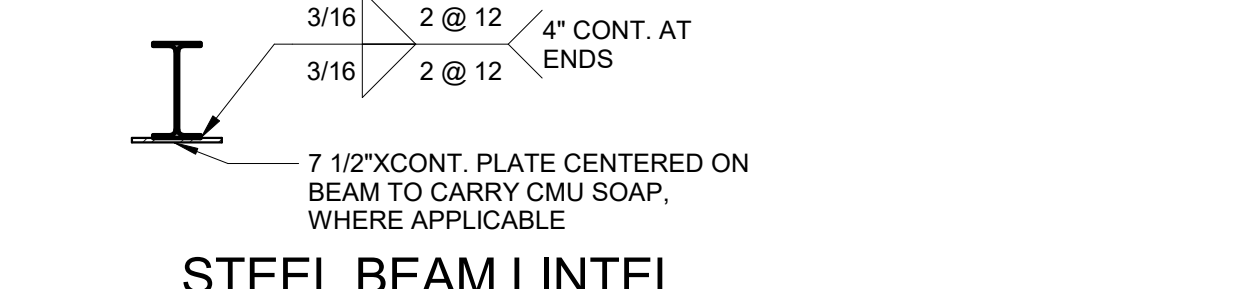
- EXTEND REINFORCING TO END OF JAMB AT EACH SIDE OF OPENING LINTEL TO BEAR A MIN. OF 8" AT EACH END OF JAMB.
- SEE CMU PIER SCHEDULE FOR JAMBS. GROUT CELLS IN JAMBS FULL HEIGHT.
- SPECIAL INSPECTIONS REQUIRED.
- PLACE CMU IN RUNNING BOND.
- SEE NON-LOAD BEARING CMU LINTEL SCHEDULE FOR NON-LOAD BEARING WALLS.
- AT CMU WALLS WITH BRICK USE THE LINTEL CALLED OUT ON THE PLAN WITH AN ANGLE PER LOOSE LINTEL SCHEDULE THAT WILL SUPPORT THE BRICK INDEPENDENT OF THE CMU.

S0.4 - STEEL LINTEL SCHEDULE (MANUAL EDIT)

STEEL LINTEL MARK	STEEL LINTEL SIZE	WALL TYPE	PIER AT STEEL LINTEL
L4	W8X10	8"	MP2
L5	W16X26	8"	MP2
L6	W16X31	8"	MP2

STEEL BEAM LINTEL NOTES:

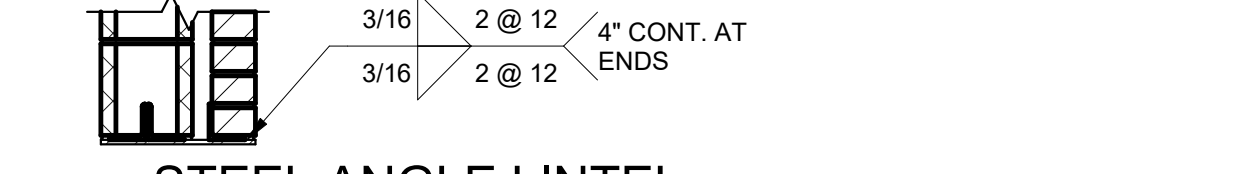
- LINTEL TO BEAR A MIN. OF 16" AT EACH END OF JAMB. (EXCEPT AT SHOWERS).
- SEE MASONRY PIER SCHEDULE FOR JAMBS. GROUT CELLS IN JAMBS FULL HEIGHT.
- SPECIAL INSPECTIONS REQUIRED.
- ADD WEB STIFFENERS WHERE ALL W8X10'S BEAR ON CMU OR STEEL.



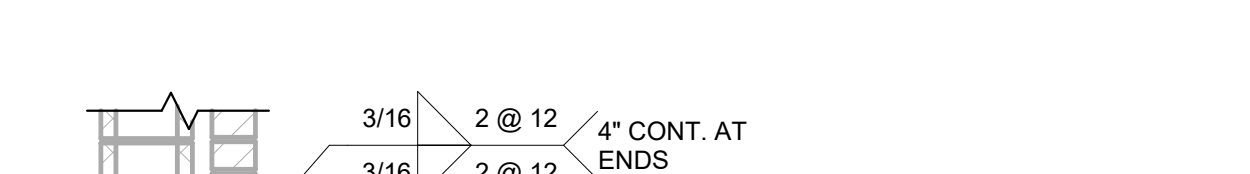
STEEL BEAM LINTEL

STEEL ANGLE LINTEL NOTES:

- PROVIDE 3/8" PL. FOR LINTEL WELD PER DETAIL BELOW.
- PROVIDE MINIMUM 6" BEARING.
- PROVIDE 3RD ANGLE AT EXISTING BRICK. REF. LOOSE LINTEL SCHEDULE.



STEEL ANGLE LINTEL IN NEW WALL



STEEL ANGLE LINTEL IN EXISTING WALL

S0.4 - LOOSE LINTEL SCHEDULE (MANUAL EDIT)

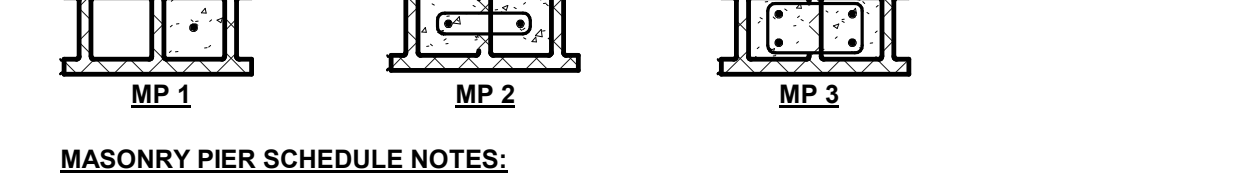
LOOSE LINTEL MARK	LOOSE LINTEL SIZE	WALL SUPPORTED	OPENING SIZE
L1	L4X3X1/4	4" BRICK	<3'-4"
L2	L5X3X1/4	4" BRICK	3'-4" TO 6'-0"
L3	L6X3X1/4	4" BRICK	>6'-0"

LOOSE LINTEL SCHEDULE NOTES:

- PROVIDE MINIMUM 6" BEARING ON BRICK.
- FOR LOOSE LINTEL TYPE LL3 BOLT ENDS TO CMU WALL WITH (1) 3/4" EPOXY ANCHOR IN FULLY GROUTED CELLS AT EACH END TO SUPPORT BRICK.

S0.4 - MASONRY PIER SCHEDULE (MANUAL EDIT)

MASONRY PIER MARK	PIER VERTICAL REINFORCEMENT	PIER HORIZONTAL REINFORCEMENT
MP1	(1) #5	N/A
MP2	(1) #5 EACH CORE	#2'S AT 16" O.C.
MP3	(2) #5 EACH CORE	#2'S AT 16" O.C.



MASONRY PIER SCHEDULE NOTES:

- GROUT REINFORCED CELLS FULL HEIGHT.
- DOWEL VERTICALS INTO FOUNDATION WALL OR THICKENED SLABS.
- MATCH MASONRY PIER WIDTH TO WIDTH OF WALL.
- SPECIAL INSPECTIONS REQUIRED.
- USE MP1 FOR ALL NON-LOAD BEARING LINTELS.
- PLACE CMU IN RUNNING BOND.
- FOUNDATION WALL DOWELS SHALL MATCH LOCATION OF CMU WALL REINF.

S0.4 - NON-LOAD BEARING CMU LINTEL SCHEDULE (MANUAL EDIT)

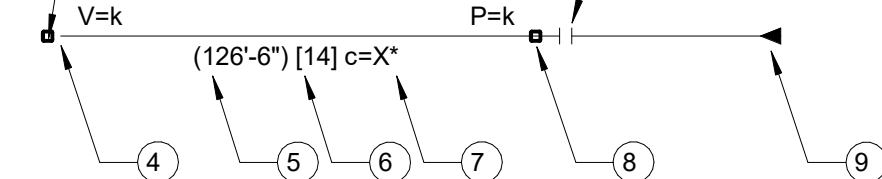
CMU CLEAR OPENING	WALL DEPTH	CMU WALL REINFORCING
0'-8" TO 3'-4"	8"	(2) #3
3'-4" TO 4'-8"	8"	(2) #4
4'-8" TO 6'-0"	8"	(2) #5
6'-0" TO 8'-0"	16"	(2) #4
8'-0" TO 10'-0"	16"	(2) #5
10'-0" TO 12'-0"	16"	(2) #6

NON-LOAD BEARING CMU LINTEL SCHEDULE NOTES:

- EXTEND REINFORCING TO END OF JAMB AT EACH SIDE OF OPENING.
- LINTEL SPANS OVER 0'-8" TO 8'-0" CLEAR OPENINGS HAVE MINIMUM 8" BEARING AT EACH JAMB.
- LINTEL SPANS OVER 8'-0" TO 12'-0" CLEAR OPENINGS HAVE MINIMUM 16" BEARING AT EACH JAMB.
- GROUT CELLS IN JAMB FULL HEIGHT.
- SPECIAL INSPECTIONS REQUIRED.
- PLACE CMU IN RUNNING BOND.
- THIS SCHEDULE APPLIES WHEN THE LINTEL OCCURS IN A NON-LOAD BEARING WALL.

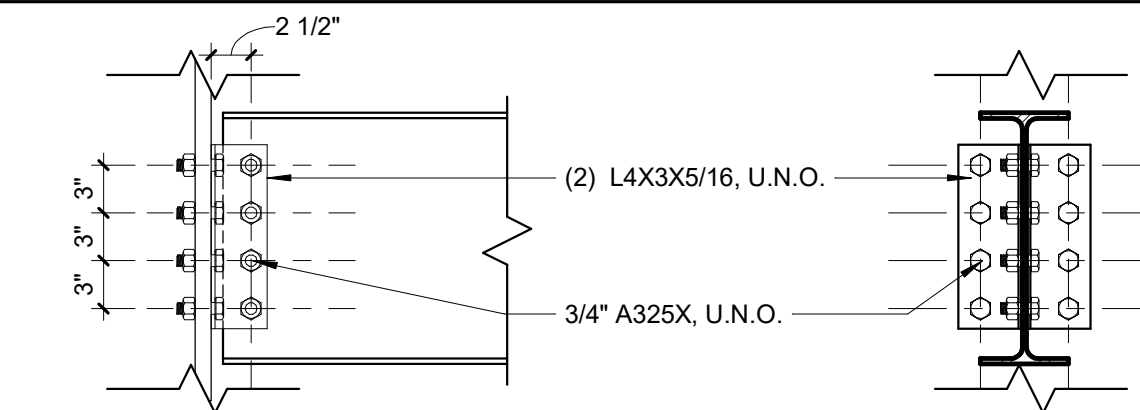
PRELIMINARY
NOT FOR CONSTRUCTION

STEEL TUBE COLUMN. SEE STRUCTURAL PLANS FOR ADDITIONAL INFORMATION



- 1 INDICATES VERTICAL REACTIONS FOR CONNECTION DESIGN.
- 2 INDICATES BEAM SIZE.
- 3 INDICATES TYPICAL BEAM SHEAR PLATE SLOPE.
- 4 INDICATES BEAM FRAMING INTO FACE OF COLUMN.
- 5 INDICATES TOP OF STEEL ELEVATION FOR NON-TYPICAL BEAMS. TYPICAL FLOOR BEAM ELEVATIONS IS TO BE NOTED IN THE FLOOR FRAMING NOTES ON EACH SHEET OR ALONG GRID LINES.
- 6 INDICATES NUMBER OF SHEAR STUDS REQUIRED.
- 7 INDICATES REQUIRED UPWARD CAMBER IN BEAM (INCHES).
- 8 INDICATES BEAM CONTINUOUS OVER SUPPORT.
- 9 INDICATES MOMENT CONNECTION.
- 10 INDICATES AXIAL LOAD IN BEAM FOR CONNECTION DESIGN.

TYPICAL LEGEND FOR BEAM FRAMING



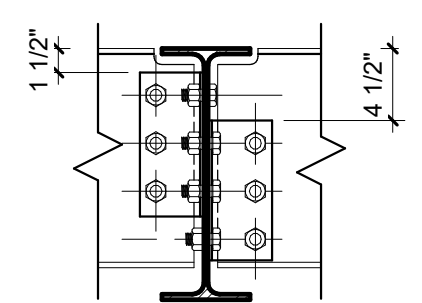
NOMINAL BEAM DEPTH, INCHES	ROWS OF BOLTS	LENGTH OF ANGLE	REMARKS
W36	7	1'-8 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN. USE 1" DIA. A325X. USE (2) L5X5X3/8
W30-W33	7	1'-8 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.
W24-W27	5	1'-2 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.
W16-W21	4	11 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.
W14	3	8 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.
W12	2	5 1/2"	SEE SECTION B-B FOR BACK TO BACK BEAM CONN.
WB-W10	---	---	SEE SECTION A-A

- NOTES:**
- NUMBER OF ROWS IS EQUAL TO NUMBER OF BOLTS TO ENCLOSED WEB.
 - ALL FRAMING CONNECTIONS SHALL CONFORM TO SCHEDULE UNLESS DETAILED OTHERWISE ON FRAMING PLANS.
 - FOR MIS-ALIGNED BOLT HOLES, PROVIDE FIELD WELDS. NOTIFY A/E OF LOCATIONS USING FIELD WELDED CONNECTION.
 - THIS TABLE DEPICTS MINIMUM CONNECTION REQUIREMENTS.

1 TYPICAL FRAMING CONNECTION
SCALE: 1" = 1'-0"

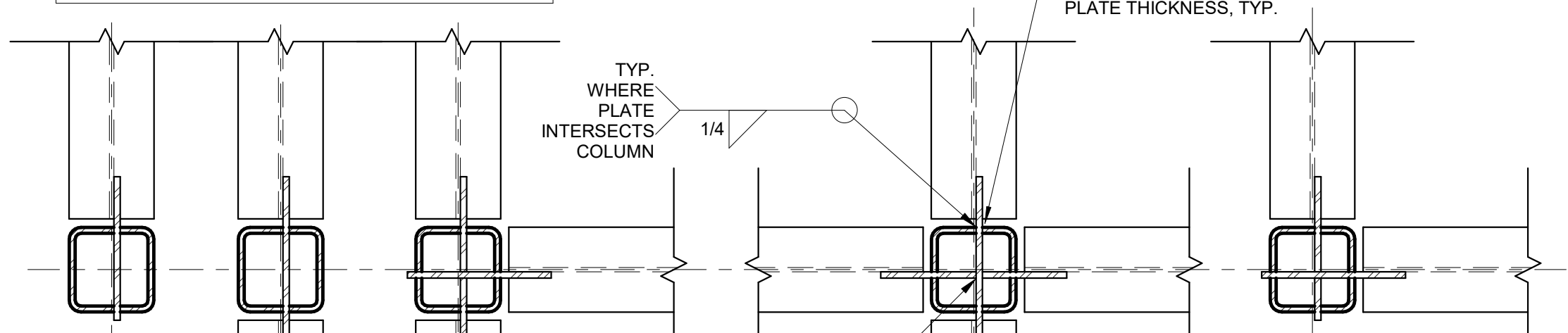
NOMINAL BEAM DEPTH, INCHES	ROWS OF BOLTS	LENGTH OF PLATE	REMARKS
8-10	2	6"	

SINGLE-SHEAR PLATE CONNECTION, SECTION A-A
(BEAMS 10" AND LESS)



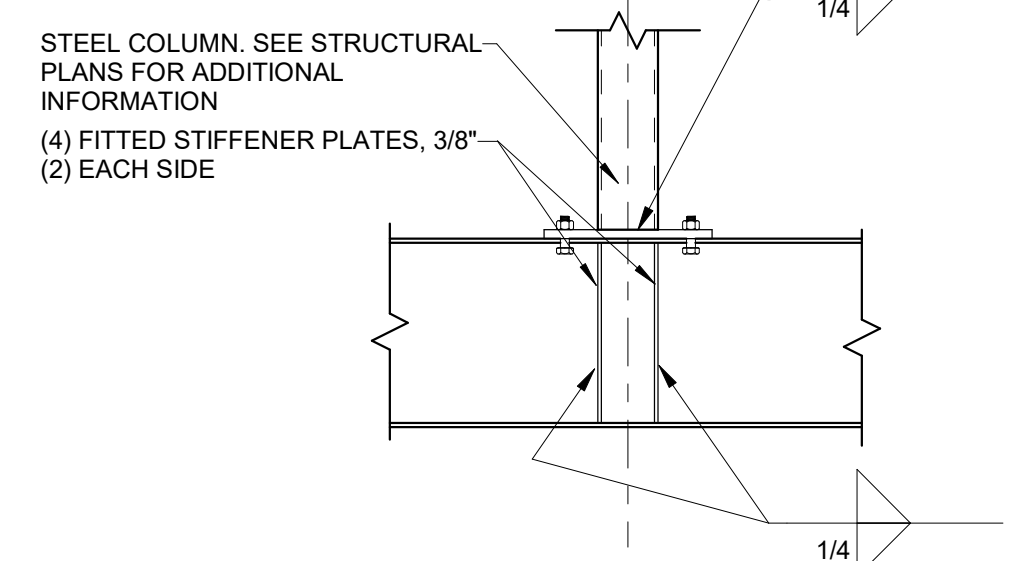
DOUBLE ANGLE CONNECTION @ BACK TO BACK BEAMS
(BEAMS 12" AND GREATER)

THIS DETAIL SHOWS THE STRUCTURAL ENGINEERS INTENT FOR BEAM TO TUBE COLUMN CONNECTIONS. STEEL FABRICATOR TODESIGN CONNECTIONS.

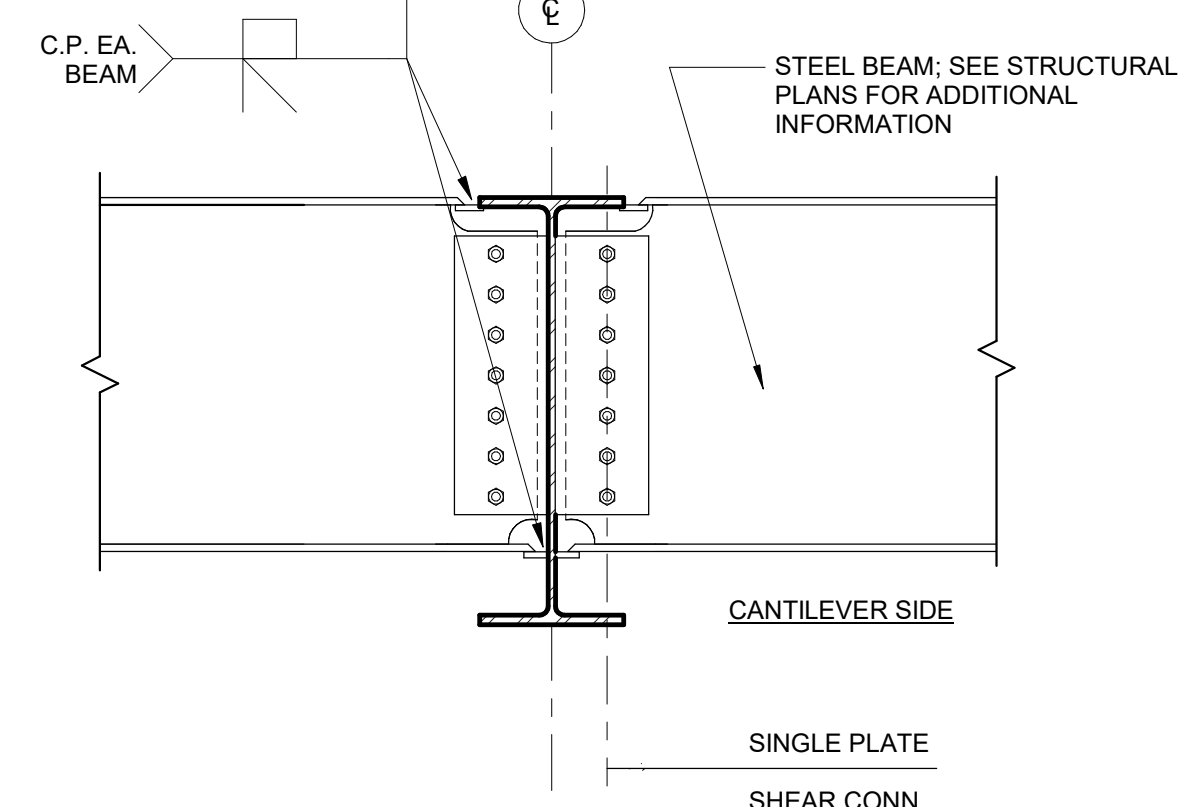


2 TYPICAL DETAILS FOR BEAM TO TUBE COLUMN CONNECTIONS
SCALE: 1 1/2" = 1'-0"

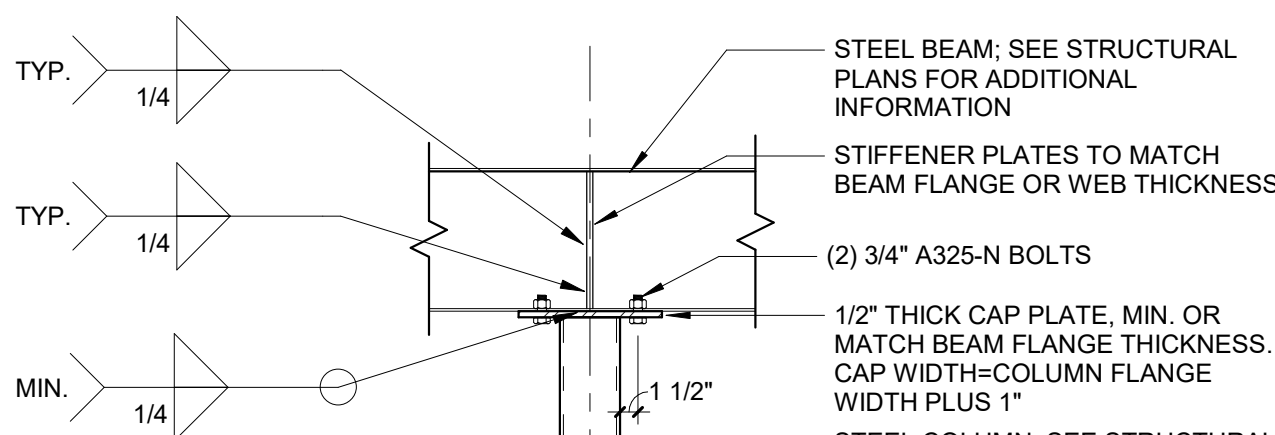
- NOTES:**
- CONNECTION TYPICAL FOR ALL BEAM TO TUBE COLUMN CONNECTIONS.
 - ALL COLUMNS SHALL HAVE A 5/16" THICK CAP PLATE ATTACHED WITH A 1/4" FILLET WELD, ALL AROUND.
 - TOP OF BEAM ELEVATION WILL VARY. SEE PLAN.
 - ONLY COPE BEAMS WHEN NECESSARY.
 - BEAM TO PLATE TO BE BOLTED CONNECTION. SEE GENERAL NOTES FOR BOLTING REQUIREMENTS.
 - SEE PLAN AND GENERAL NOTES FOR CONNECTION REACTIONS.



3 TYPICAL STUB COLUMN ON WF BEAM
SCALE: 3/4" = 1'-0"

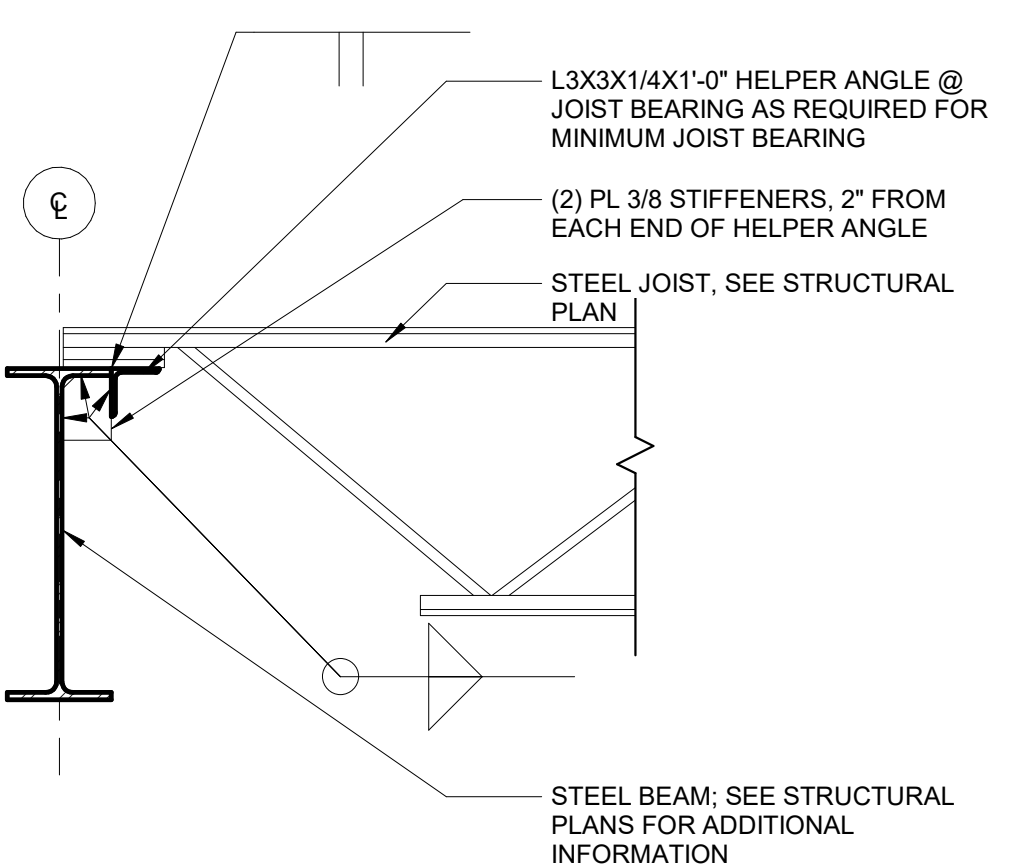


5 TYPICAL BEAM TO BEAM MOMENT CONNECTION
SCALE: 3/4" = 1'-0"

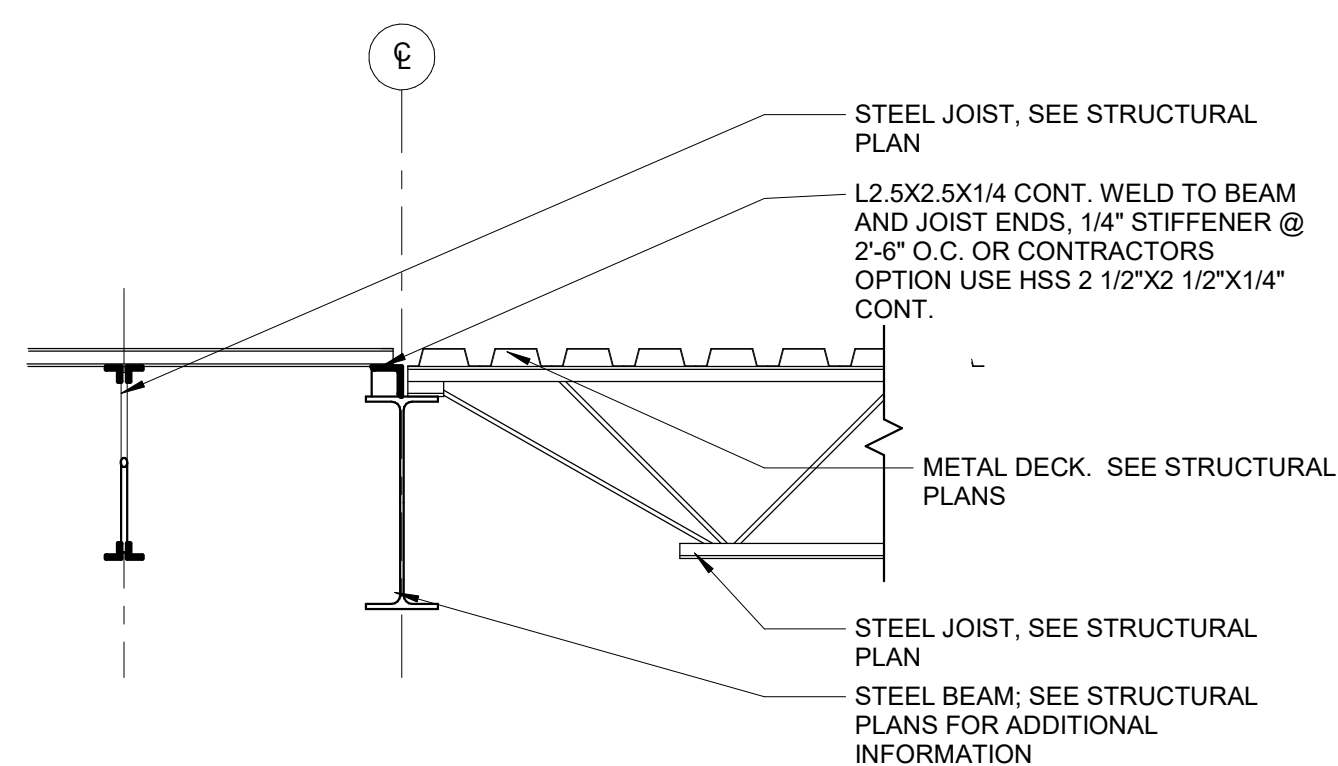


4 TYPICAL BEAM CONTINUOUS OVER COLUMN
SCALE: 3/4" = 1'-0"

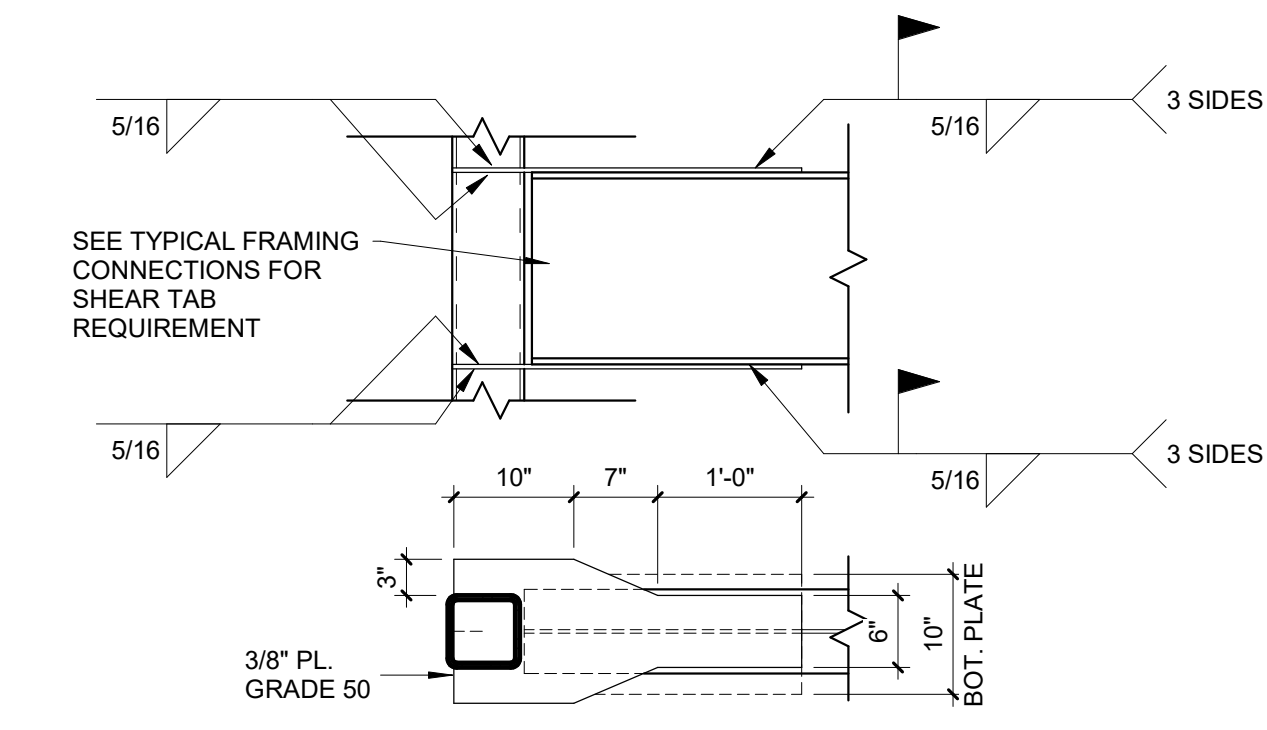
- NOTE:** WHEN BEAM WEB IS PERPENDICULAR TO COLUMN WEB USE 1/2" THICK CAP PLATE AND LOCATE BOLTS WITHIN COLUMN FLANGES. MAINTAIN MINIMUM EDGE DISTANCE FOR BOLTS



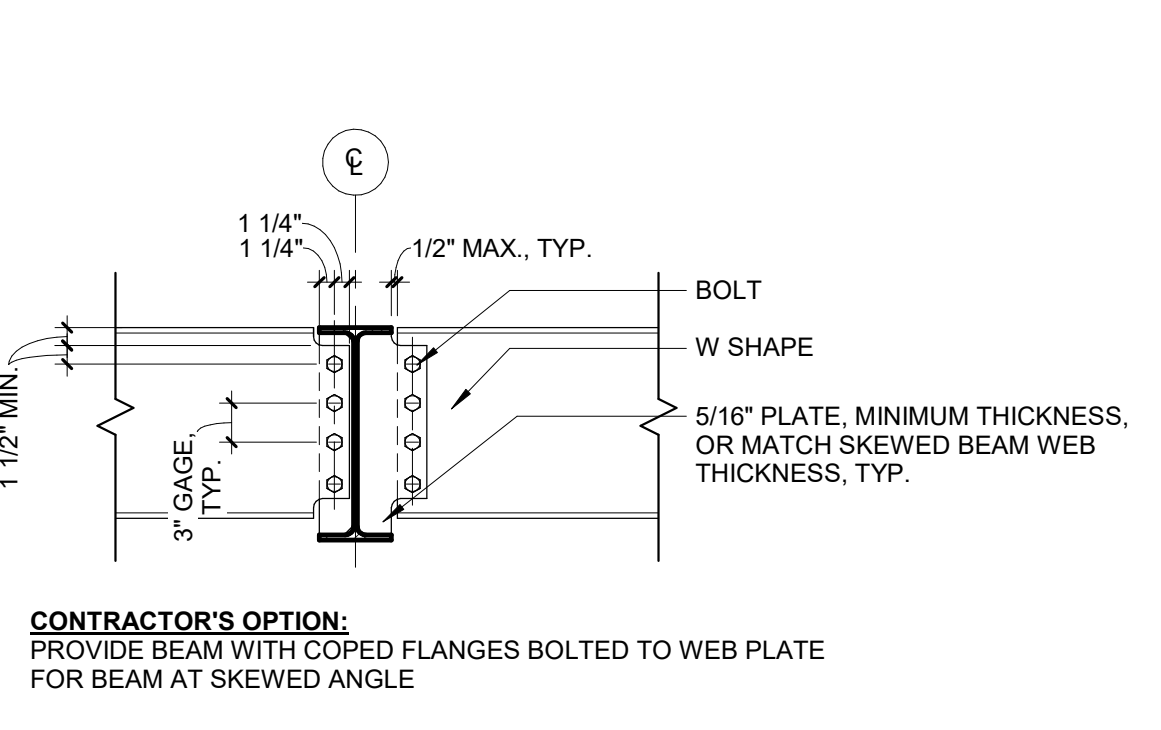
6 TYPICAL HELPER ANGLE AT JOIST BEARING
SCALE: 1" = 1'-0"



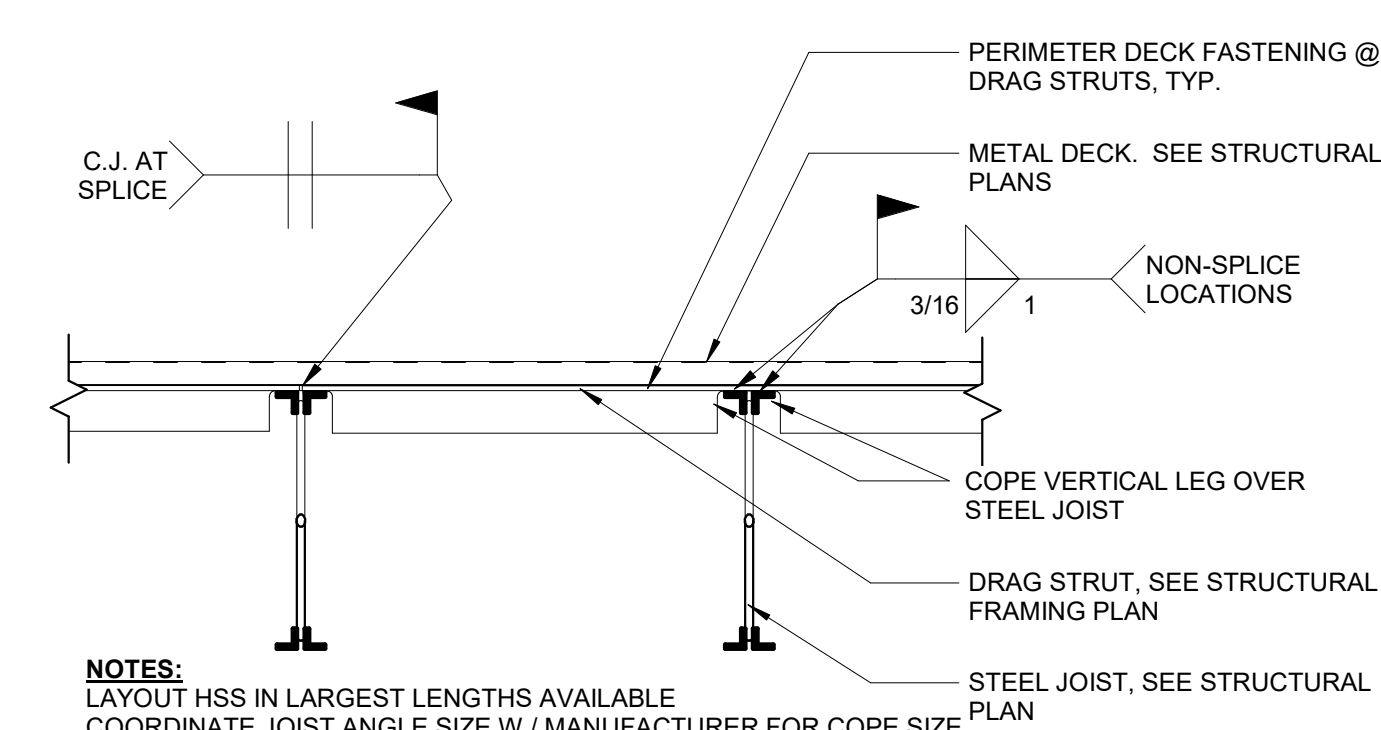
7 TYPICAL DECK DIRECTION CHANGE DETAIL
SCALE: 3/4" = 1'-0"



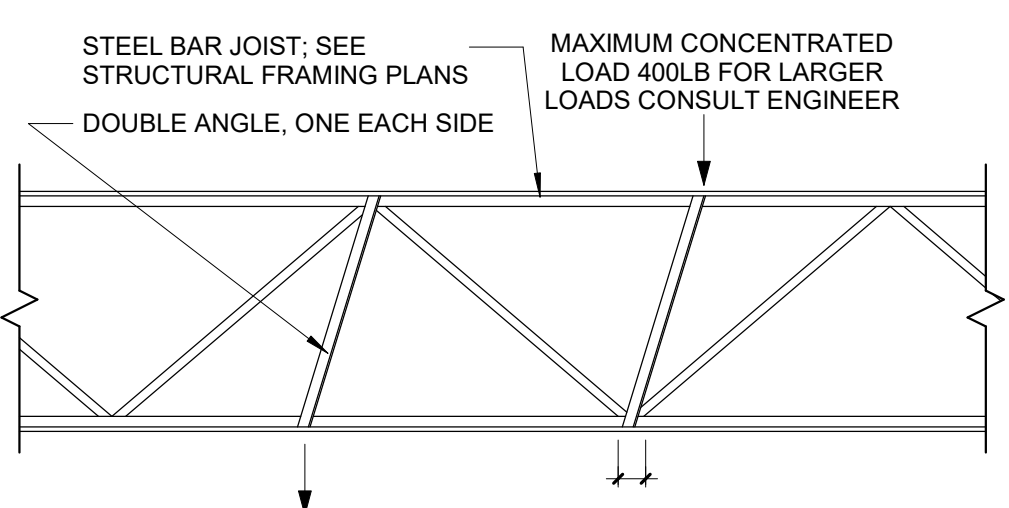
8 MOMENT CONNECTION AT TUBE COLUMN
SCALE: 3/4" = 1'-0"



9 TYPICAL SIMPLE SHEAR BEAM CONNECTION AT SKEWED BEAMS
SCALE: 3/4" = 1'-0"

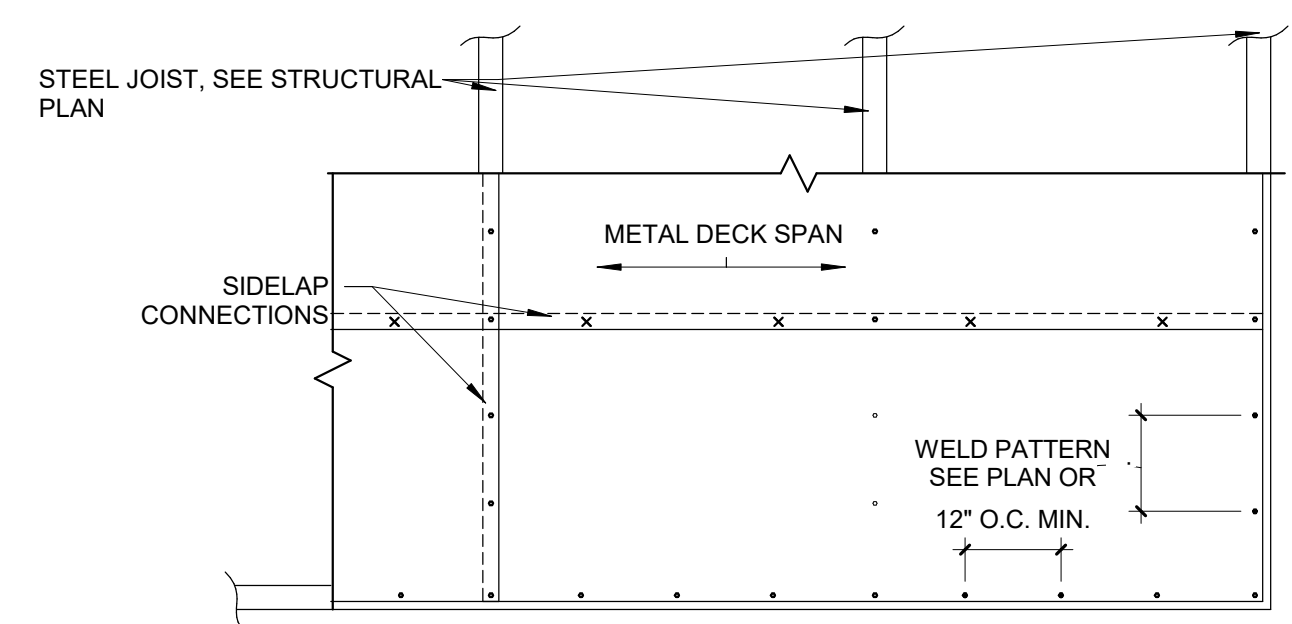


10 ANGLE DRAG STRUT DETAIL
SCALE: 1" = 1'-0"

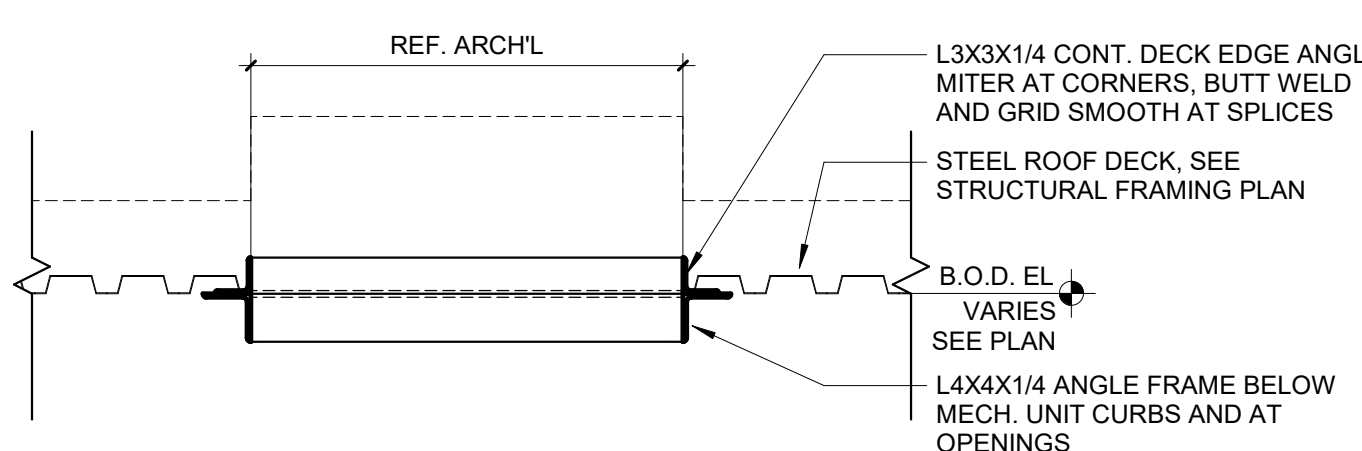


11 TYPICAL WEB MEMBER AT BAR JOIST CONCENTRATED LOAD DETAIL
SCALE: 3/4" = 1'-0"

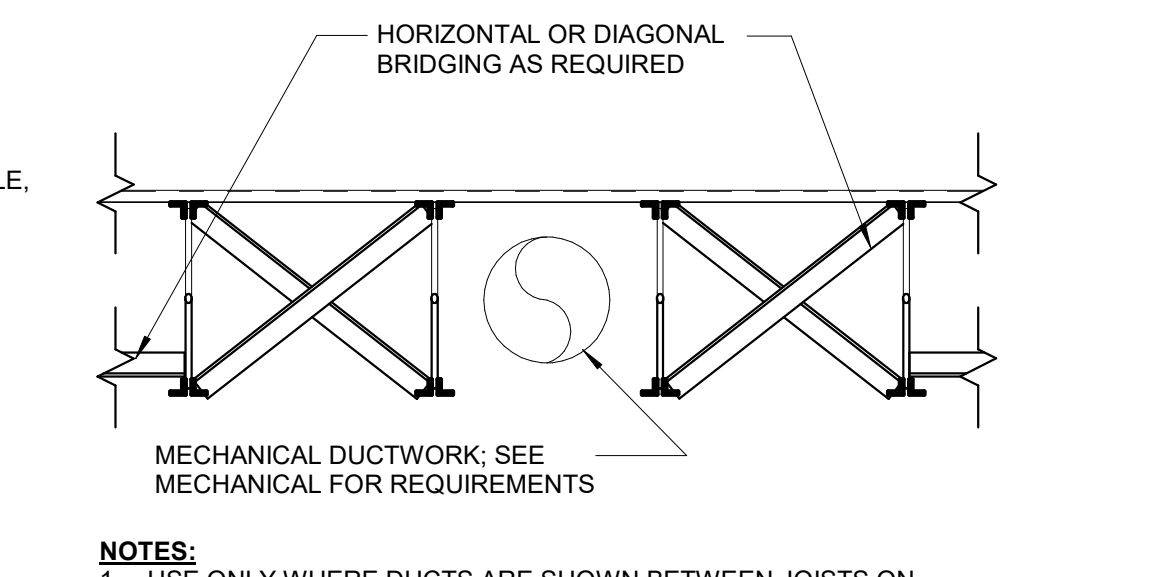
- NOTE:** JOIST CHORDS ARE NOT DESIGNED FOR CONCENTRATED LOADS. PLACE LOADS AT PANEL POINTS OR WELD ADDITIONAL DOUBLE ANGLE MEMBERS, ONE EACH SIDE, FROM POINT OF CONCENTRATED LOAD TO NEAREST PANEL POINT ON OPPOSITE CHORD OF THE JOIST. PROVIDE L1X1X1/8 WELD IN PLACE.



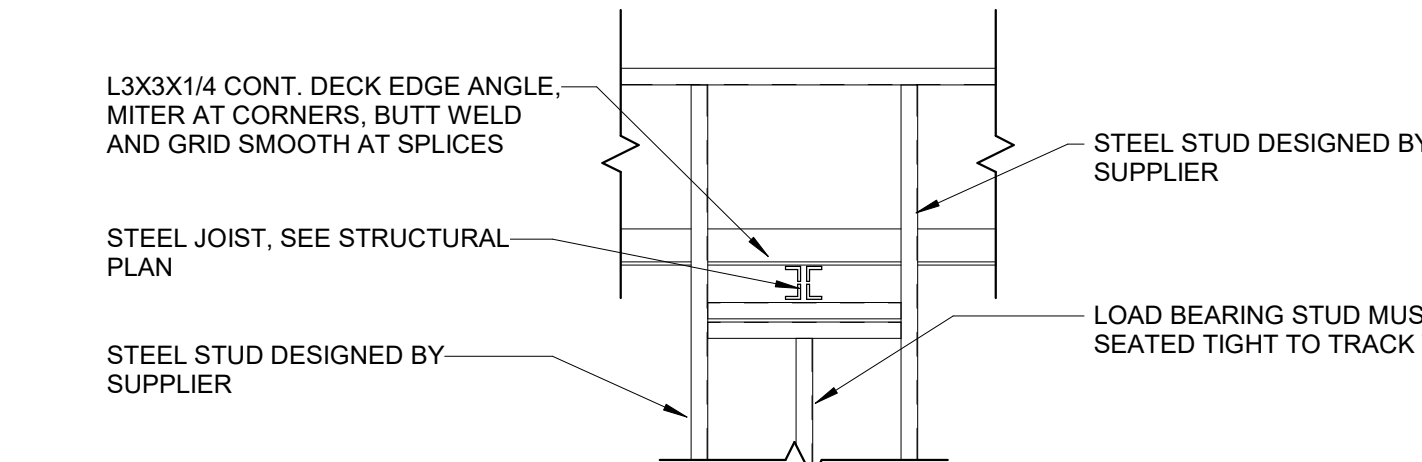
12 TYPICAL METAL DECK ATTACHMENT
SCALE: 1/2" = 1'-0"



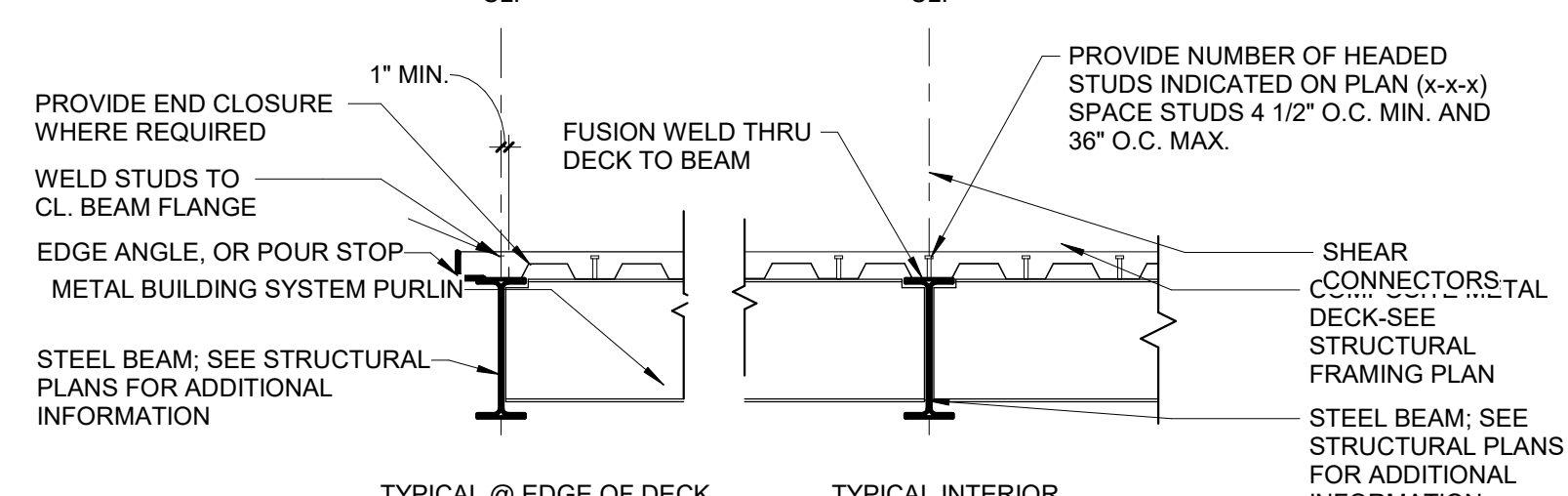
13 ROOF HATCH DETAIL
SCALE: 3/4" = 1'-0"



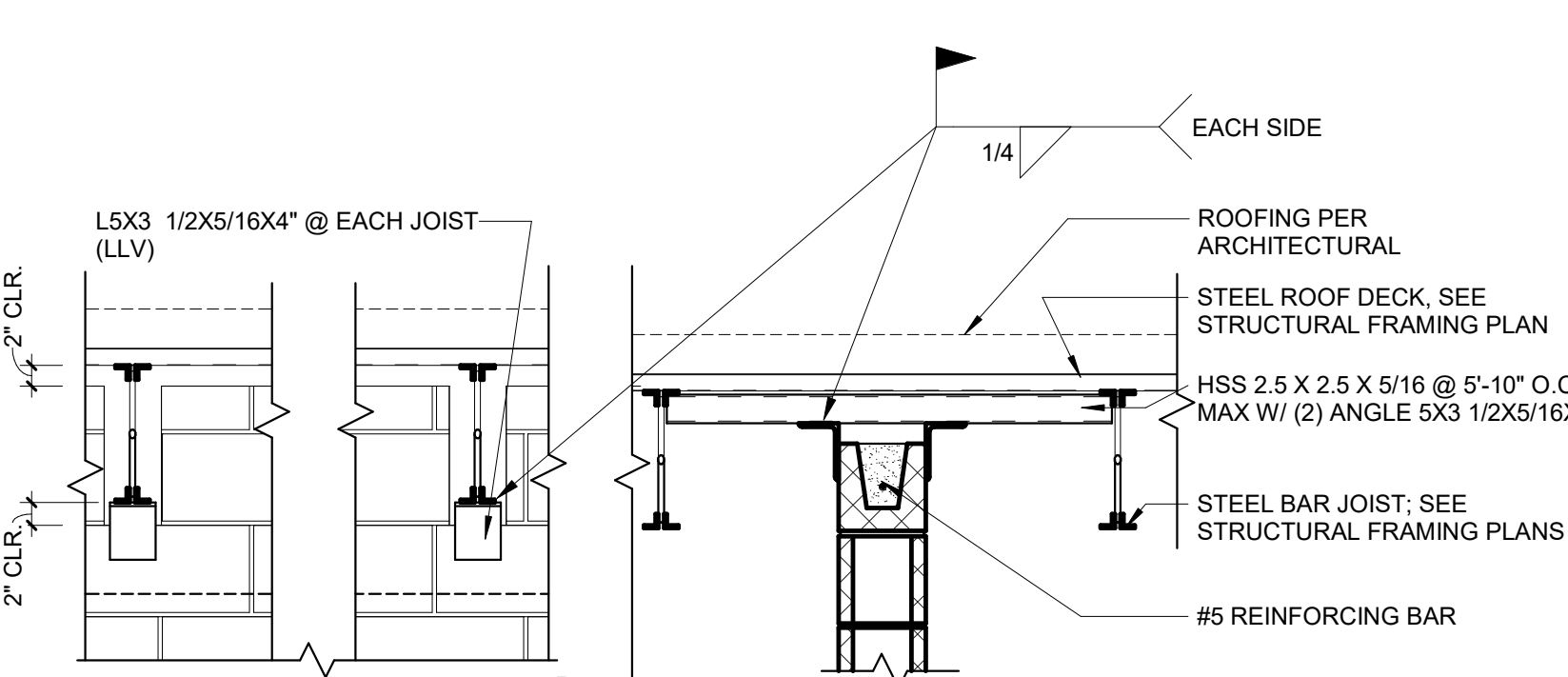
14 TYPICAL BRIDGING INTERRUPTION DETAIL
SCALE: 3/4" = 1'-0"



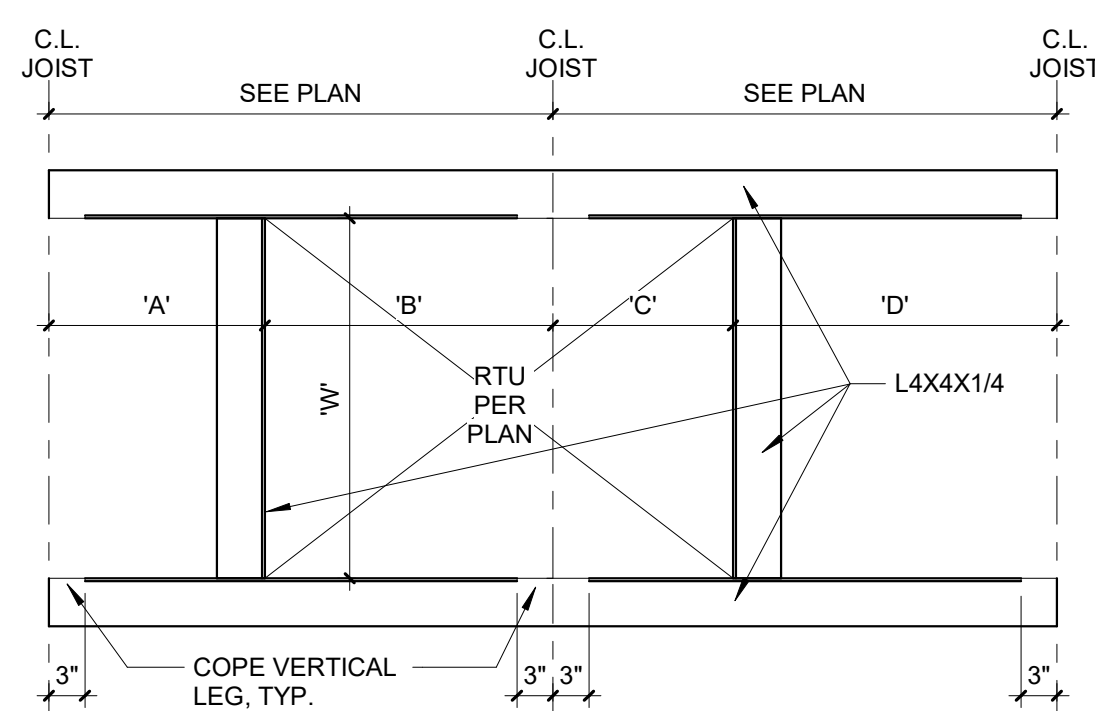
15 JOIST BEARING ON STUD WALL FRAMING
SCALE: 3/4" = 1'-0"



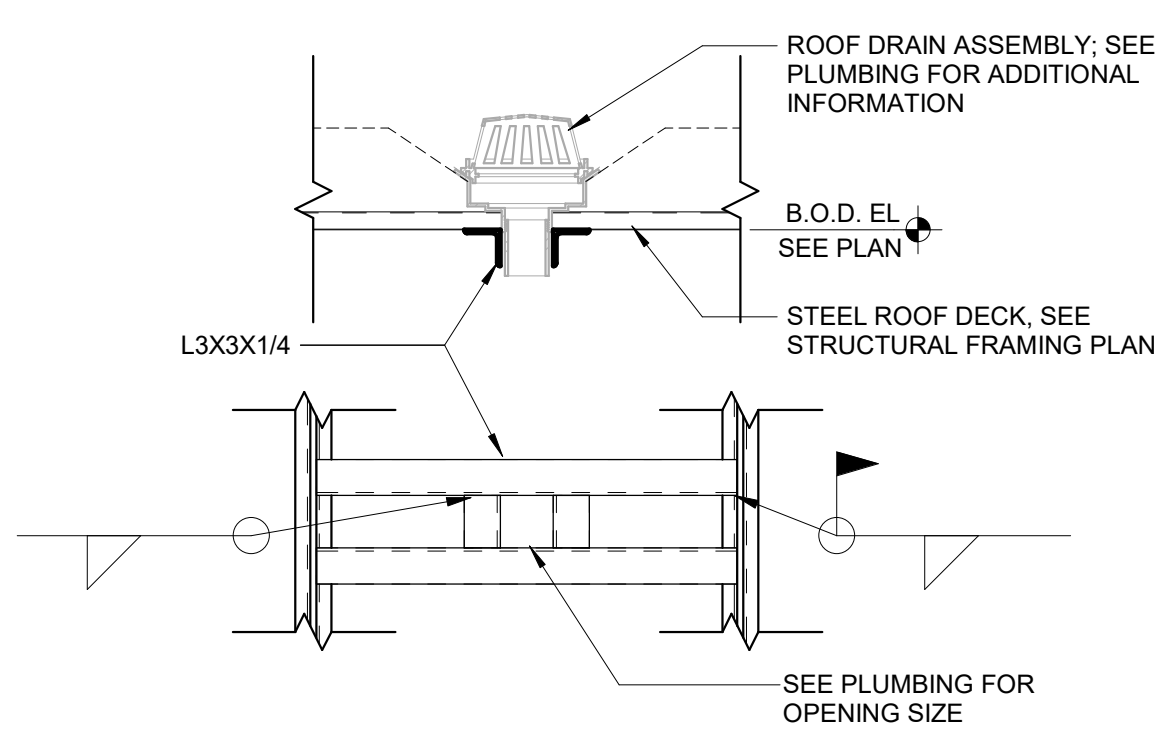
TYPICAL COMPOSITE BEAM DETAIL



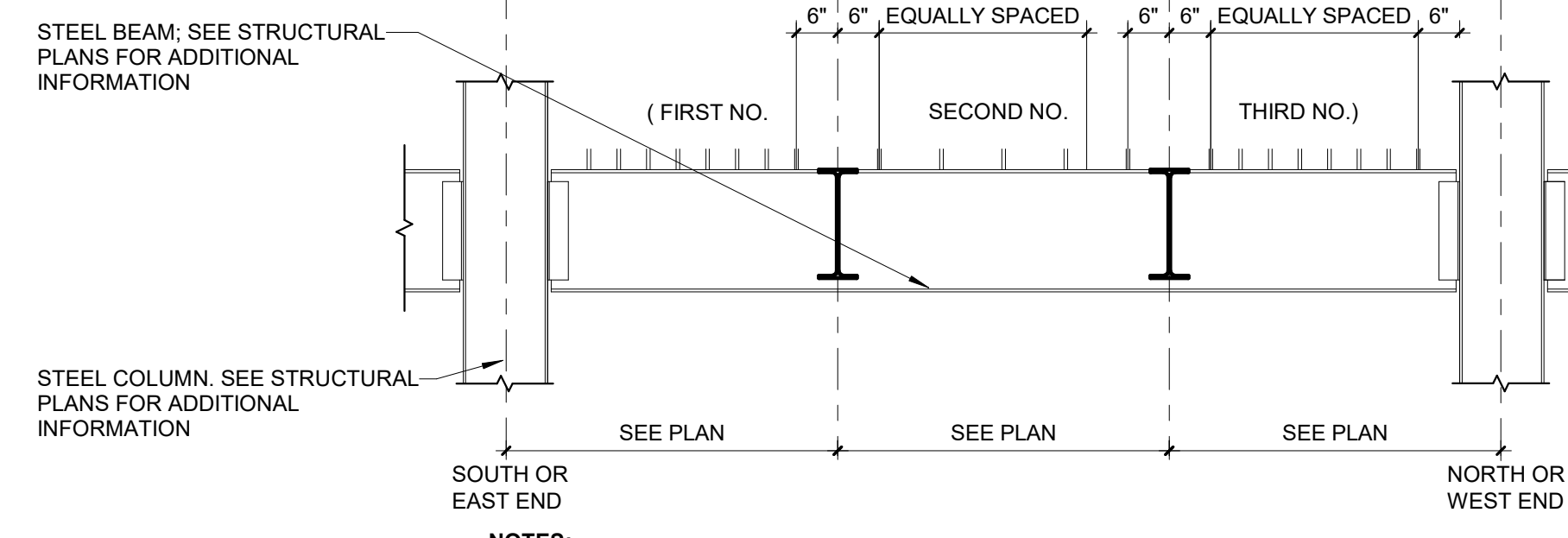
16 NON LOAD BEARING WALL BRACING DETAILS
SCALE: 3/4" = 1'-0"



17 MECHANICAL EQUIPMENT FRAME PLAN DETAIL
SCALE: 3/4" = 1'-0"



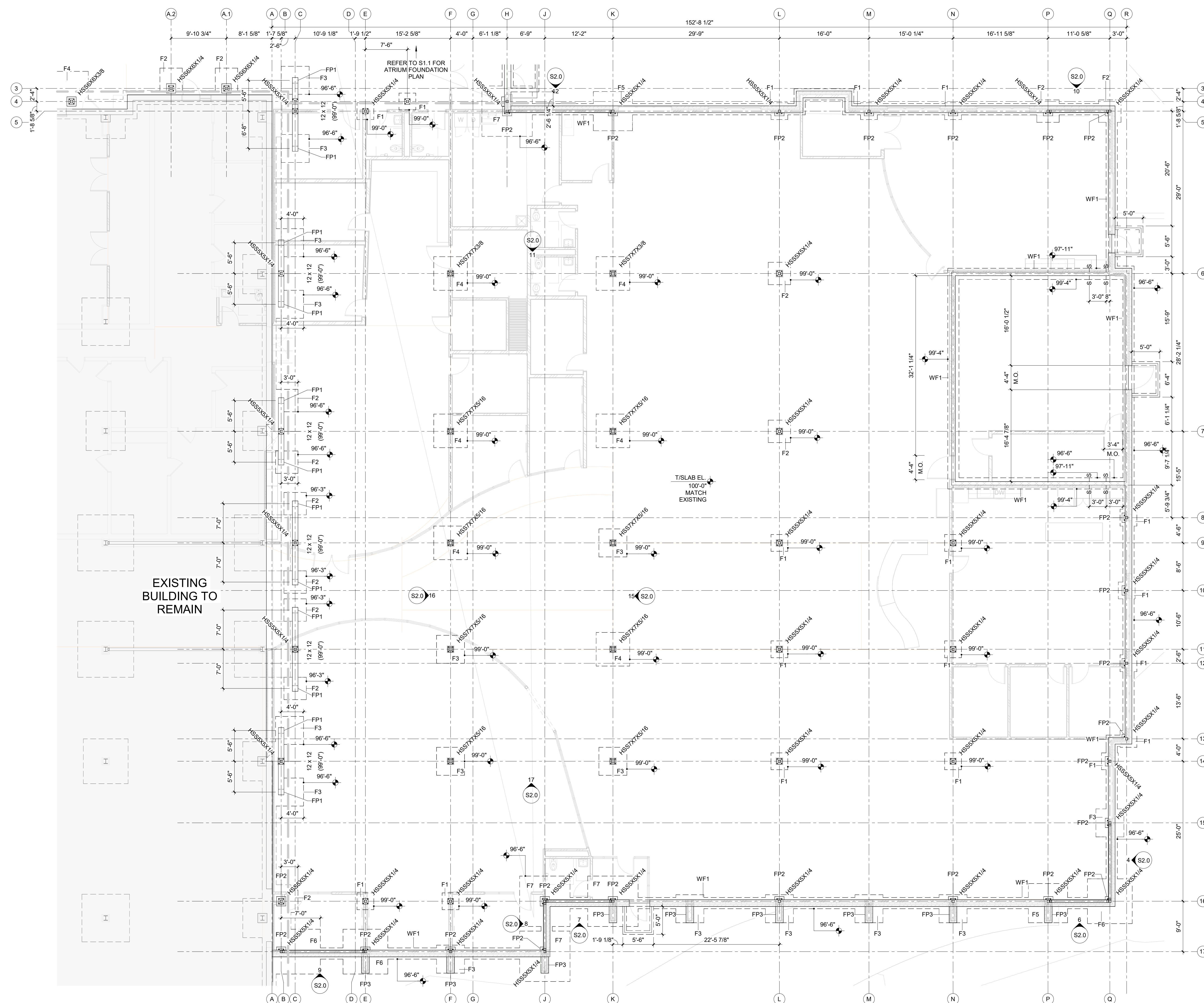
18 ROOF DRAIN FRAMING
SCALE: 3/4" = 1'-0"



19 GIRDER
SCALE: 1/2" = 1'-0"

- NOTES:**
- ADD STUDS AS REQUIRED SO THAT SPACING BETWEEN STUDS DOES NOT EXCEED 36" AND IS NOT LESS THAN 4 1/2". IF THE REQUIRED NUMBER OF STUDS EXCEEDS WHAT CAN BE PLACED AT 4 1/2", PLACE A SECOND ROW OF STUDS SPACED AT 4 1/2" STARTING AT THE ENDS OF THE BEAM UNTIL THE REQUIRED NUMBER OF STUDS IS REACHED. WHEN TWO ROWS OF STUDS ARE REQUIRED, PLACE EACH STUD 1 1/2" FROM THE BEAM CENTER LINE.
 - FOR PURLINS - ONLY ONE NUMBER IN PARENTHESES INDICATES TOTAL NUMBER OF STUDS. EQUALLY SPACED ALONG THE FULL LENGTH OF THE BEAM.

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FOUNDATION PLAN NOTES:

SLAB-ON-GRADE:

- TOP OF SLAB ELEVATION AS NOTED. ARCHITECTURAL ELEVATION 100'-0" CORRESPONDS TO CIVIL ELEVATION XXXXX'. SEE CIVIL DRAWINGS.
- SLAB-ON-GRADE TO BE 4" THICK WITH 4LB/CY MACROFIBER REINFORCEMENT OVER 15 MIL VAPOR BARRIER OVER 5" MINIMUM OF FREE-DRAINING CRUSHED ROCK OR CLEAN 1" DIAMETER ROCK DEVOID OF FINES. REF. XXX.
- CONTRACTOR TO COORDINATE SLOPING OF SLABS TO FLOOR DRAINS WITH ARCH. AND PLUMBING.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMP, DEPRESSION SLABS, STEEPED SLABS, STOOPS AND NON-BEARING PARTITION WALLS.
- TYPICAL CONSTRUCTION/CONTROL JOINTS AT 10'-0" O.C. MAX. TYP. SEE CONSTRUCTION CONTROL JOINT PLACEMENT PLAN ON SHEET XXX FOR JOINT LOCATIONS.
- PLACE SLAB ON 15 MIL VAPOR BARRIER, OVER 6" CRUSHED ROCK OVER SUITABLE EXISTING SOILS.
- IF SOILS BELOW SLAB LOCATION ARE DEEMED TO BE EXPANSIVE IN NATURE OR OTHERWISE UNACCEPTABLE BY THE GEOTECHNICAL INSPECTOR, REMOVE AND REPLACE TOP 24" WITH ENGINEERED COMPACTED FILL PER GEOTECHNICAL ENGINEER.

GENERAL:

- FOR GENERAL NOTES, SPECIAL INSPECTIONS, AND TYPICAL DETAILS SEE SHEETS S0.1 AND S0.2.
- SEE SHEET S0.3 FOR TYPICAL SLAB ON GRADE AND TYPICAL FOUNDATION DETAILS.
- SEE THIS SHEET FOR WALL AND FOOTING SCHEDULE AND BASE PLATE SCHEDULES.
- COORDINATE OPENINGS IN WALLS AND SLABS WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS. SEE SHEET S0.3 FOR TYPICAL OPENING DETAILS.
- NO FIELD CUTTING OF OPENINGS ALLOWED.
- REFER TO THE ARCHITECTURAL DRAWINGS AND/OR COORDINATE WITH THE ARCHITECT REGARDING ADDITIONAL DIMENSIONS AND ELEVATIONS.

FOOTINGS/FOUNDATION WALLS:

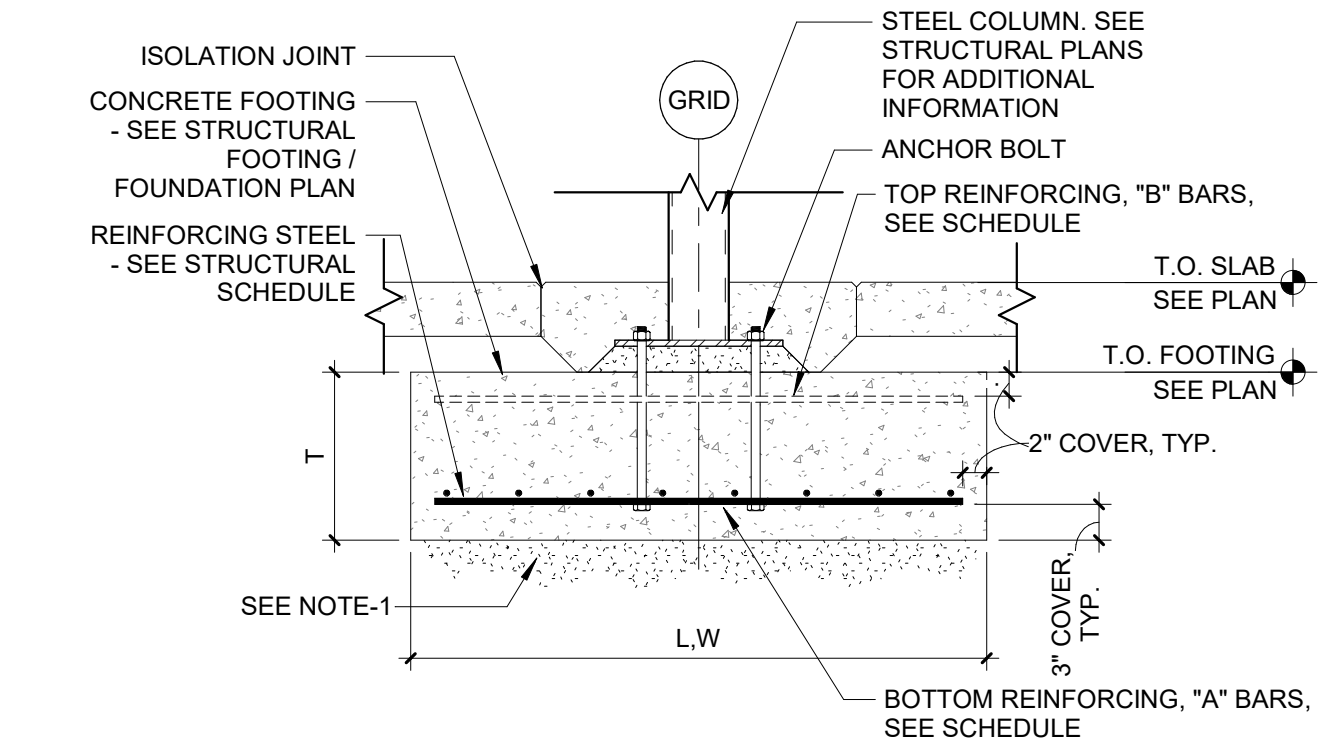
- ALL FOOTINGS TO BE CENTERED UNDER WALLS AND/OR COLUMNS, U.N.O.
- FOOTING REINFORCEMENT CENTERED BELOW CONC. PIER WHERE FOOTING PLAN DIMENSION(S) EXCEED SCHEDULED VALUE, TYP.
- PROVIDE (1) BOTTOM MAT #5@12" E.W. AT ALL UN-SCHEDULED SPREAD FOOTINGS, TYP. U.N.O.
- CENTER SCHEDULED FOOTING(S) BELOW COLUMN (OR BEAM BRG.) TYP. AT COMBINED FOOTINGS.
- ALL NEW CONTINUOUS WALL FOOTINGS TO BE 28" WIDE X 12" DEEP WITH (3) CONT. #5 LONGITUDINAL BARS AND #5 TRANSVERSE BARS AT 12" O.C.
- TOP OF EXTERIOR FOOTING ELEVATION AS NOTED ON PLAN, MIN. 4'-0" BELOW EXTERIOR GRADE.
- TOP OF INTERIOR FOOTING ELEVATION AS NOTED ON PLAN, MIN. 1'-0" BELOW TOP OF SLAB ELEVATION.
- TOP OF TYPICAL NEW FOUNDATION WALLS AND PIERS TO BE 99'-4" U.N.O.
- COORDINATE TOP OF FOOTING ELEVATIONS WITH CROSSING MECHANICAL PLUMBING LINE INVERTS AND ELECTRICAL LINE LOCATIONS. WHENEVER POSSIBLE, STEP FOOTINGS DOWN ON EITHER SIDE OF LINE AND SLEEVE THROUGH FOUNDATION WALLS. COORDINATE BLOCKOUTS IN FOUNDATION WALL AS NEEDED. SEE DETAIL 65-0.3 WHEN PIPE FALLS WITHIN FOOTING AND DETAIL 75-0.3 WHEN PIPE FALLS BELOW FOOTING.
- CONCRETE FOUNDATION WALLS TO BE REINFORCED WITH #5 AT 12" O.C.E.W.. PROVIDE CORNER BARS PER TYPICAL DETAILS AT CORNERS AND INTERSECTIONS.

S --- S INDICATES FOOTING STEP LOCATION - REF. XXX FOR TYPICAL STEP FOOTING DETAIL

S1.0 - FOUNDATION PIER SCHEDULE			
MARK	SIZE ("A"x"B")	REINFORCEMENT	NOTES
FP1	12"x12"	(4) #5 BARS @ CORNER AND #3 TIES @ 8" O.C.	
FP2	20"x20"	(4) #5 BARS @ CORNER/ (1) #5 EACH FACE @ SIDE WITH #3 TIES @ 8" O.C.	
FP3	16"x36"	(4) #5 BARS @ CORNER/ (2) #5 EACH FACE @ SIDE WITH #3 TIES @ 8" O.C.	
FP4	21"x36"	(4) #5 BARS @ CORNER/ (2) #5 EACH FACE @ SIDE WITH #3 TIES @ 8" O.C.	
FP5	16"x18"	(4) #5 BARS @ CORNER AND #3 TIES @ 8" O.C.	

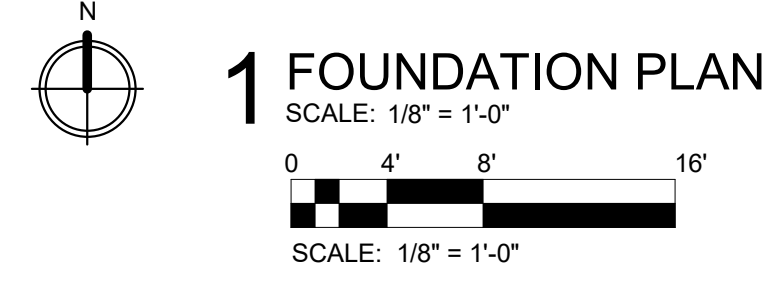
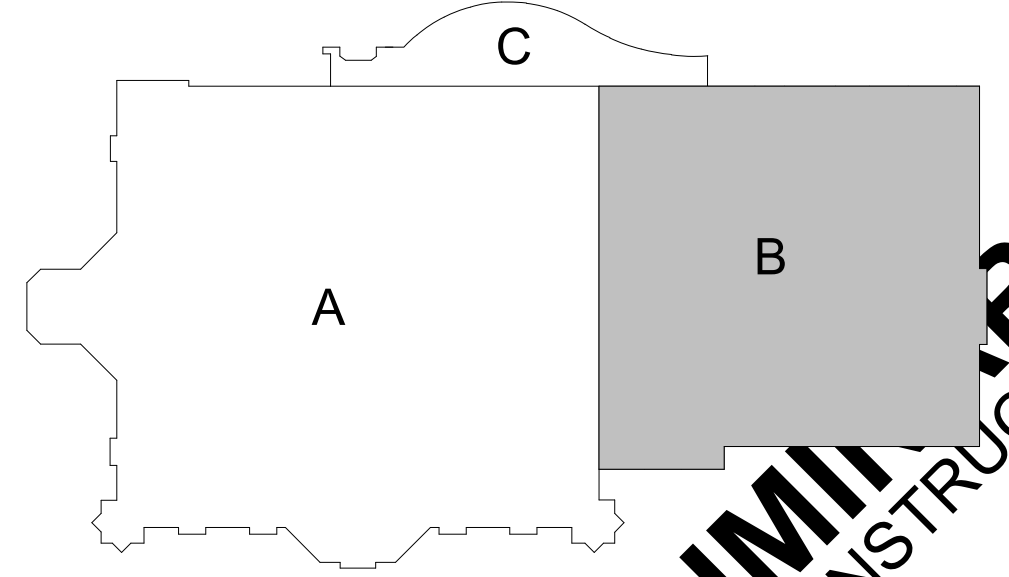
S1.0 - CONCRETE SPREAD FOOTING SCHEDULE					
MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	REMARKS
F1	3'-0"	3'-0"	12"	(3) #5 EACH WAY @ BOTTOM/ N/A @ TOP	
F2	4'-0"	4'-0"	12"	(4) #5 EACH WAY @ BOTTOM/ N/A @ TOP	
F3	5'-0"	5'-0"	12"	(5) #5 EACH WAY @ BOTTOM/ N/A @ TOP	
F4	6'-0"	6'-0"	12"	(6) #5 EACH WAY @ BOTTOM/ N/A @ TOP	
F5	7'-0"	7'-0"	12"	(7) #5 EACH WAY @ BOTTOM/ N/A @ TOP	
F6	8'-0"	8'-0"	12"	(8) #5 EACH WAY @ BOTTOM/ N/A @ TOP	
F7	9'-0"	9'-0"	18"	#5 @ 9" O.C. EACH WAY @ BOTTOM/TOP	

- NOTES:**
- CENTER FOOTING ON COLUMN GRIDS. TYPICAL UNLESS NOTED OTHERWISE.
 - TOP MAT REINFORCING "B" TO MATCH BOTTOM MAT REINFORCING AT ALL BRACED FRAME LOCATIONS.



2 TYPICAL CONCRETE SPREAD FOOTING DETAIL
SCALE: 3/4" = 1'-0"

S1.0 - CONCRETE WALL FOOTING SCHEDULE					
MARK	WIDTH	THICKNESS	REINFORCING	DOWELS	REMARKS
WF1	2'-0"	12"	(2) #5 BARS LONG. / #5 @ 24" O.C. TRANS.	TYPE-1 @ 24"	
WF2	2'-6"	12"	(3) #5 BARS LONG. / #5 @ 24" O.C. TRANS.	SEE DETAIL	
WF3	3'-0"	12"	(3) #5 BARS LONG. / #5 @ 24" O.C. TRANS.	SEE DETAIL	



1 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

FEH DESIGN

DESIGN ENGINEERS

SNYDER & ASSOCIATES

DES MOINES, IA (515) 288-2000
DUBUQUE, IA (663) 983-4900
SIoux CITY, IA (712) 252-3889

CONOMOWOC, WI (262) 988-2055

FEHDESIGN.COM

FOUNDATION PLAN

**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**

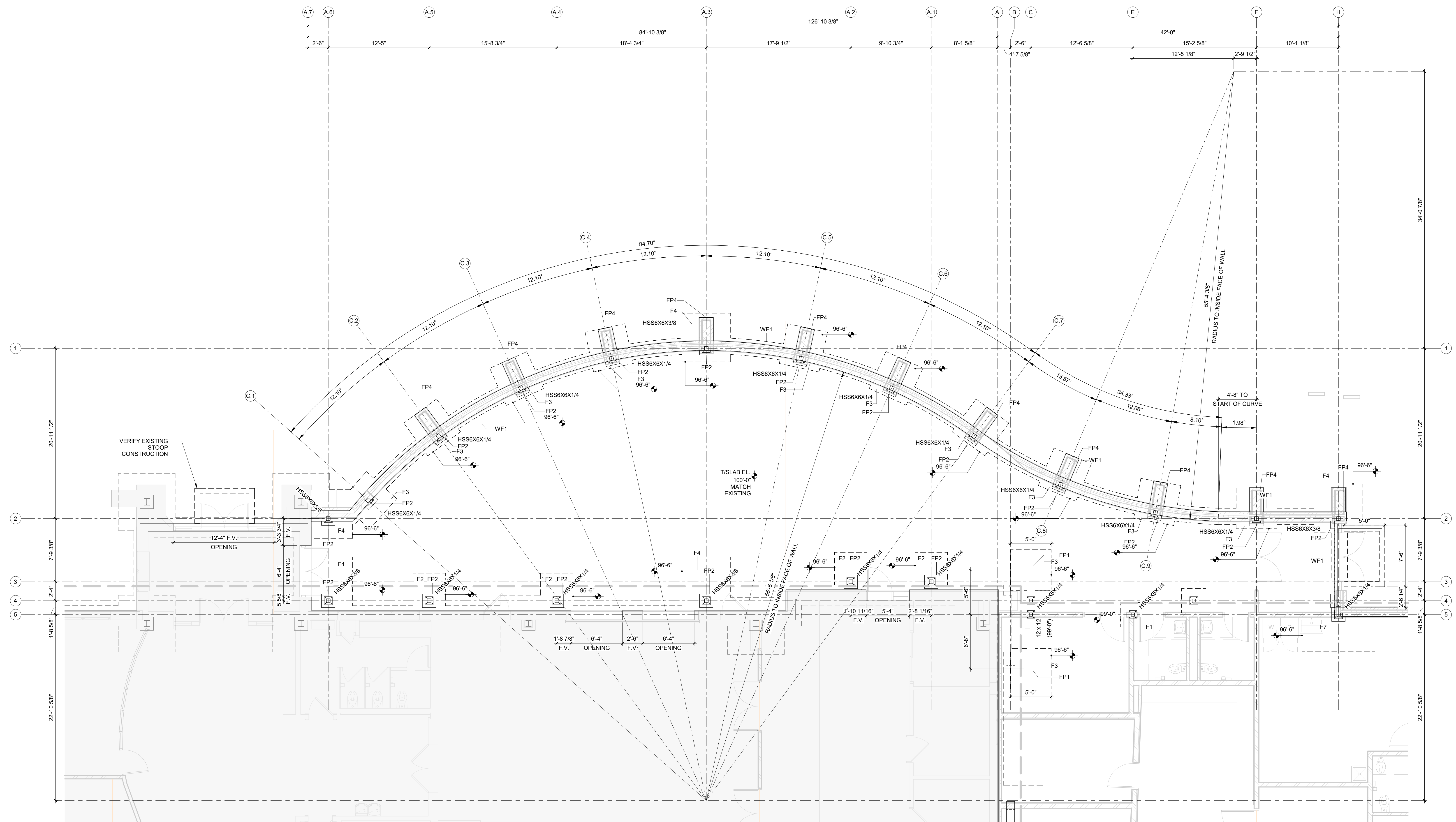
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

PROJECT NUMBER
2023402

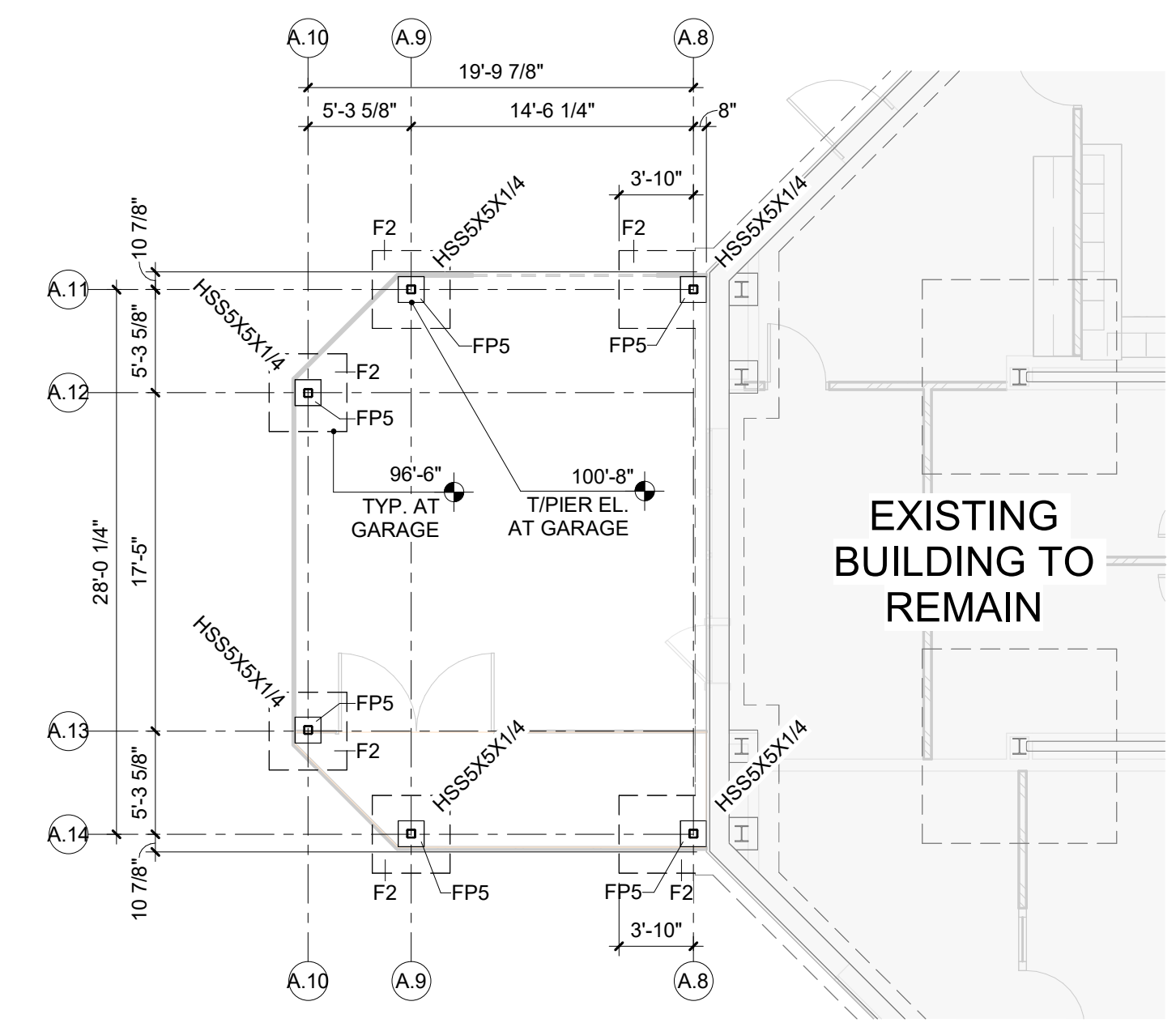
DATE ISSUED 12/04/2023
REV. NO. DATE

PROJECT NUMBER
S1.0

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1 FOUNDATION PLAN ATRIUM
SCALE: 3/16" = 1'-0"



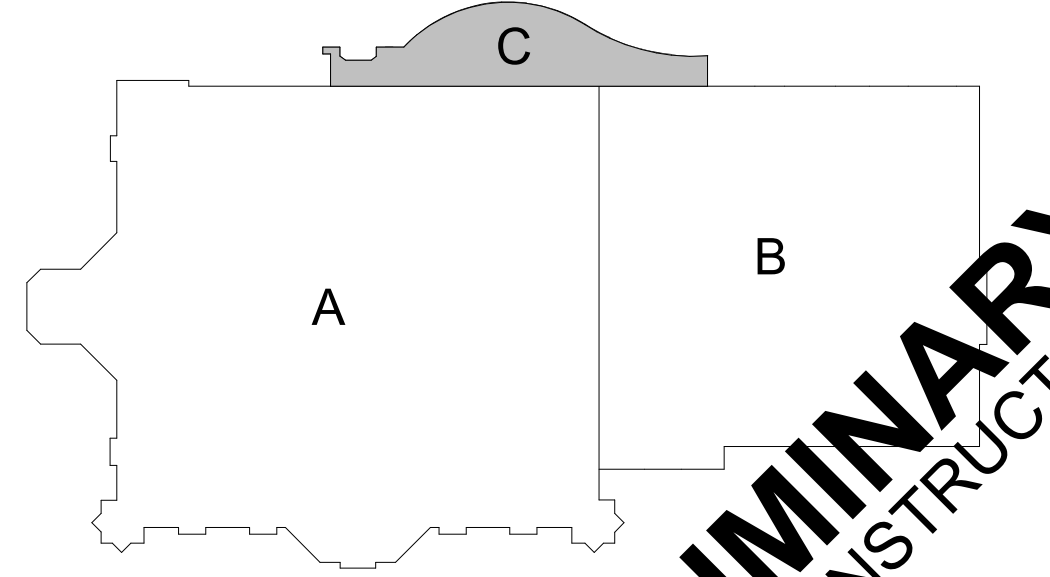
2 FOUNDATION PLAN - GARAGE STORAGE
SCALE: 1/8" = 1'-0"

FOUNDATION PLAN NOTES:

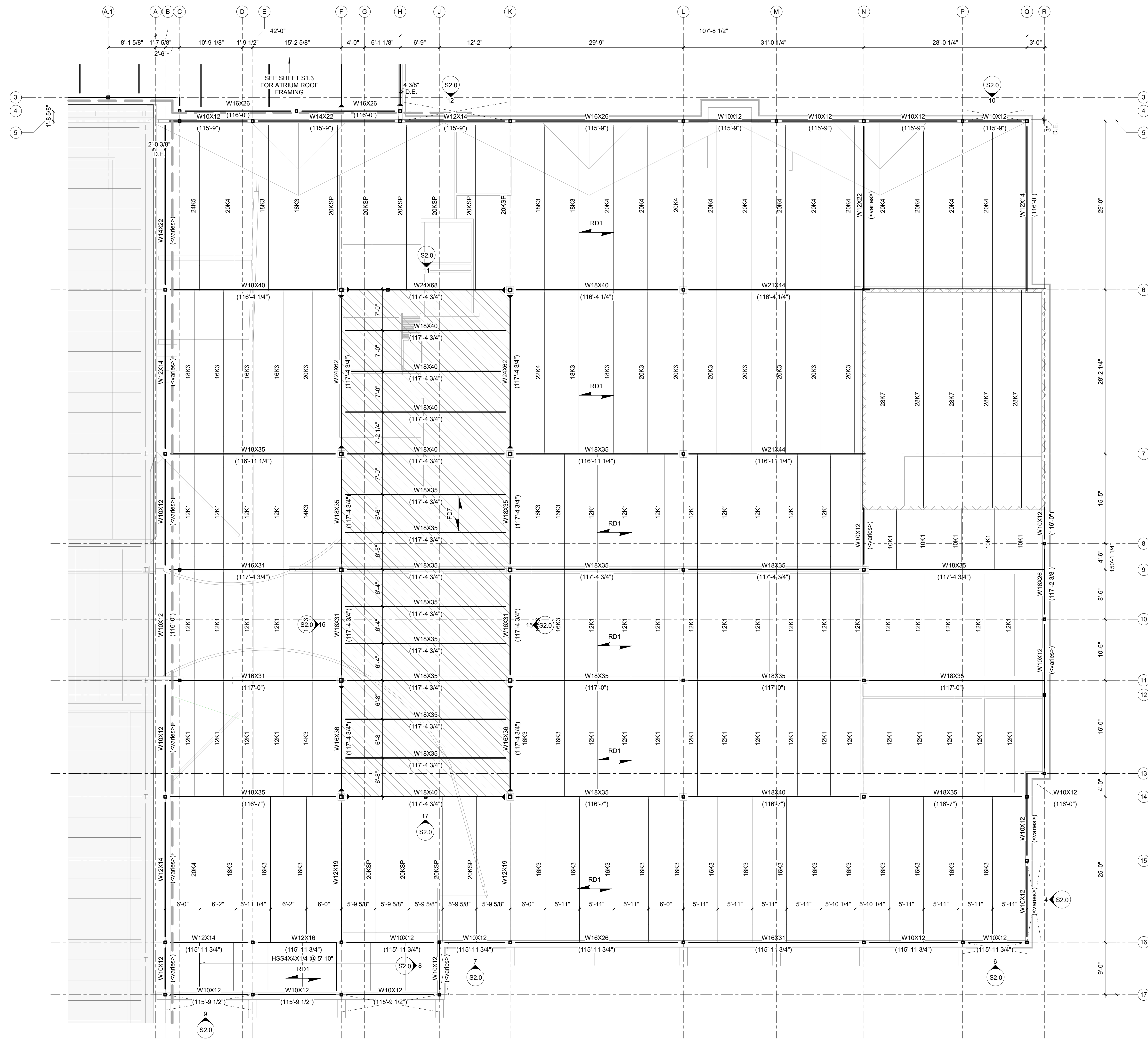
- SLAB-ON-GRADE:**
1. TOP OF SLAB ELEVATION AS NOTED. ARCHITECTURAL ELEVATION 100'-0" CORRESPONDS TO CIVIL ELEVATION XXX.XX'. SEE CIVIL DRAWINGS.
 2. SLAB-ON-GRADE TO BE 4" THICK WITH 4LB/CY MACROFIBER REINFORCEMENT OVER 15 MIL VAPOR BARRIER OVER 6" MINIMUM OF FREE-DRAINING CRUSHED ROCK OR CLEAN 1" DIAMETER ROCK DEVOID OF FINES. REF. XXX.
 3. CONTRACTOR TO COORDINATE SLOPING OF SLABS TO FLOOR DRAINS WITH ARCH. AND PLUMBING.
 4. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS, DEPRESSED SLABS, STEPPED SLABS, STOOPS AND NON-BEARING PARTITION WALLS.
 5. TYPICAL CONSTRUCTION CONTROL JOINTS AT 10'-0" O.C., MAX. TYP. SEE CONSTRUCTION CONTROL JOINT PLACEMENT PLAN ON SHEET SXX FOR JOINT LOCATIONS.
 6. PLACE SLAB ON 15 MIL VAPOR BARRIER, OVER 6" CRUSHED ROCK OVER SUITABLE EXISTING SOILS.
 7. OR IF SOILS BELOW SLAB LOCATION ARE DEEMED TO BE EXPANSIVE IN NATURE OR OTHERWISE UNACCEPTABLE BY THE GEOTECHNICAL INSPECTOR, REMOVE AND REPLACE TOP 24" WITH ENGINEERED COMPACTED FILL PER GEOTECHNICAL ENGINEER.

- GENERAL:**
1. FOR GENERAL NOTES, SPECIAL INSPECTIONS, AND TYPICAL DETAILS SEE SHEETS S0.1 AND S0.2.
 2. SEE SHEET S0.3 FOR TYPICAL SLAB ON GRADE AND TYPICAL FOUNDATION DETAILS.
 3. SEE THIS SHEET FOR WALL AND FOOTING SCHEDULE AND BASE PLATE SCHEDULES.
 4. COORDINATE OPENINGS IN WALLS AND SLABS WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS. SEE SHEET S0.3 FOR TYPICAL OPENING DETAILS.
 5. NO FIELD CUTTING OF OPENINGS ALLOWED.
 6. REFER TO THE ARCHITECTURAL DRAWINGS AND/OR COORDINATE WITH THE ARCHITECT REGARDING ADDITIONAL DIMENSIONS AND ELEVATIONS.

- FOOTINGS/FOUNDATION WALLS:**
1. ALL FOOTINGS TO BE CENTERED UNDER WALLS AND/OR COLUMNS, U.N.O.
 2. FOOTING REINFORCEMENT CENTERED BELOW CONC. PIER WHERE FOOTING PLAN DIMENSION(S) EXCEED SCHEDULED VALUE, TYP.
 3. PROVIDE (1) BOTTOM MAT #5@12" E.W. AT ALL UN-SCHEDULED SPREAD FOOTINGS, TYP. U.N.O.
 4. CENTER SCHEDULED FOOTING(S) BELOW COLUMN (OR BEAM BRG.) TYP. AT COMBINED FOOTINGS.
 5. ALL NEW CONTINUOUS WALL FOOTINGS TO BE 28" WIDE X 12" DEEP WITH (3) CONT. #5 LONGITUDINAL BARS AND #5 TRANSVERSE BARS AT 12" O.C.
 6. TOP OF EXTERIOR FOOTING ELEVATION AS NOTED ON PLAN, MIN. 4'-0" BELOW EXTERIOR GRADE.
 7. TOP OF INTERIOR FOOTING ELEVATION AS NOTED ON PLAN, MIN. 1'-0" BELOW TOP OF SLAB ELEVATION.
 8. TOP OF TYPICAL NEW FOUNDATION WALLS AND PIERS TO BE 99'-4" U.N.O.
 9. COORDINATE TOP OF FOOTING ELEVATIONS WITH CROSSING MECHANICAL PLUMBING LINE INVERTS AND ELECTRICAL LINE LOCATIONS. WHENEVER POSSIBLE, STEP FOOTINGS DOWN ON EITHER SIDE OF LINE AND SLEEVE THROUGH FOUNDATION WALLS. COORDINATE BLOCKOUTS IN FOUNDATION WALL AS NEEDED. SEE DETAIL 6/S-0.3 WHEN PIPE FALLS WITHIN FOOTING AND DETAIL 7/S-0.3 WHEN PIPE FALLS BELOW FOOTING.
 10. CONCRETE FOUNDATION WALLS TO BE REINFORCED WITH #5 AT 12" O.C. E.W., PROVIDE CORNER BARS PER TYPICAL DETAILS AT CORNERS AND INTERSECTIONS.
- S — S INDICATES FOOTING STEP LOCATION - REF. XXX FOR TYPICAL STEP FOOTING DETAIL



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1 ROOF FRAMING - MAIN
 SCALE: 1/8" = 1'-0"
 0 4' 8' 16'
 SCALE: 1/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

- GENERAL**
- FOR GENERAL NOTES, SPECIAL INSPECTIONS, AND MATERIAL STRENGTHS SEE SHEETS S0.1 AND S0.2
 - SEE SHEETS S0.3, S0.4, AND S0.5 FOR TYPICAL DETAILS
 - COORDINATE OPENINGS IN WALLS AND SLABS WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS
 - CONTRACTOR TO VERIFY AND COORDINATE SIZE AND WEIGHT OF ROOF TOP MECHANICAL UNITS PRIOR TO MANUFACTURING AND INSTALLATION OF SUPPLEMENTAL FRAMING MEMBERS AT CURB SUPPORT.
 - NO FIELD CUTTING OF OPENINGS ALLOWED.
 - REFER TO THE ARCHITECTURAL DRAWINGS AND/OR COORDINATE WITH THE ARCHITECT REGARDING ADDITIONAL DIMENSIONS AND ELEVATIONS.

- STEEL ROOF DECK**
- INDICATES SPAN DIRECTION OF ROOF DECK
 - DECK BEARING ELEVATION AT CLERESTORY ROOF AS INDICATED.
 - SEE S0.5 FOR TYPICAL OPENING FRAME FOR OPENINGS OVER 14" WIDE. COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR OPENING LOCATIONS AND SIZE. VERIFY NUMBER, SIZE AND LOCATION OF ALL OPENINGS IN SLAB WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL.

- STEEL ROOF JOISTS**
- K-SERIES JOISTS TO HAVE 2-1/2" DEEP JOIST SEAT. VERIFY ALL JOIST SEAT DEPTHS WITH MANUFACTURER AND NOTIFY ENGINEER IF DIFFERENT THAN INDICATED.
 - TOP OF JOIST AT DECK BEARING ELEVATION.
 - SEE PLAN DETAILS ON S2.0 FOR JOIST WIND UPLIFT LOADING.
 - ADDITIONAL TOP CHORD AXIAL LOAD INDICATED (kxk) ON PLAN.
 - SEE S0.5 FOR TYPICAL ROOF OPENING FRAMES. COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR OPENING LOCATIONS AND SIZE.
 - SEE S0.5 FOR TYPICAL ROOF EQUIPMENT CURB SUPPORT FRAMING. COORDINATE WITH MECHANICAL CONTRACTOR FOR CURB LOCATIONS.
 - WHERE K JOISTS BEAR AT CMU, PROVIDE MIN. PL 1/2" X 7" X 7" BEARING PLATE WITH (2) 5/8" DIA. HCA. WHERE LH JOISTS BEAR AT CMU, PROVIDE MIN. PL 1/2" X 12" X 8" BEARING PLATE WITH (3) 5/8" DIA. HCA. WHERE JOIST GIRDER BEARS ON CMU, PROVIDE MIN. PL 1/2" X 12" X 12" BEARING PLATE, COORDINATE WITH JOIST MANUFACTURER

- STEEL BEAM**
- SERVICE REACTIONS FOR STEEL BEAM CONNECTION DESIGN ARE INDICATED AS (kxk) ON PLAN. WHERE NOT NOTED, STEEL SUPPLIER TO PROVIDE CONNECTIONS PER STRUCTURAL GENERAL NOTES.
 - ADDITIONAL TENSION/COMPRESSION (AXIAL) CONNECTION DESIGN LOADS INDICATED (kxk) ON PLAN.
 - BEAM ELEVATION AT DECK BEARING ELEVATION OR AT JOIST BEARING ELEVATION (IF SUPPORTING JOISTS) UNLESS NOTED OTHERWISE.

- MASONRY BEARING WALLS**
- TYPICAL AND ADDITIONAL WALL REINFORCEMENT PER GENERAL NOTES AND TYPICAL DETAILS UNLESS NOTED OTHERWISE
 - INDICATES CMU WALL REINFORCED PER SCHEDULE

S1.2 - LINTEL SCHEDULE

MARK	LINTEL SIZE	REINFORCEMENT	PIER	NOTES
L1	8" CMU, 8" DEEP	(1) #5	MP1	

S1.1 - ROOF AND FLOOR TAG SCHEDULE

MARK	FLOOR/ROOF TYPE	DESCRIPTION	NOTES
FD7	COMPOSITE DECK	3" LIGHTWEIGHT CONCRETE OVER 2" METAL DECK. SEE STRUCTURAL GENERAL NOTES FOR SHEAR TAB SPECIFICATIONS.	3
RD1	WIDE RIB PAINTED METAL DECK	1 1/2" X 20 GA. FASTEN TO DECK SUPPORTING STEEL WITH 5/8" PUDDLE WELDS IN A 36X PATTERN WITH (7) #10 TEK SCREWS SIDE LAP CONNECTION BETWEEN EACH SUPPORT. U.N.O.	3
RD2	EPIC PAINTED ACOUSTICAL METAL DECK (OR EQUIVALENT)	EPIC EPICORE ER3.5A 16 GA. FASTEN TO DECK SUPPORTING STEEL WITH #12 TEK SCREWS IN A 24X PATTERN WITH #12 TEK SCREWS SIDE LAP CONNECTION AT 24" O.C. BETWEEN EACH SUPPORT. U.N.O.	1,3

FEH DESIGN

DESIGN ENGINEERS

SNYDER & ASSOCIATES

IN ASSOCIATION WITH

SIOUX CITY, IA (712) 252-3889
 DES MOINES, IA (515) 288-2000
 DUBUQUE, IA (663) 983-4600
 OCONOMOWOC, WI (262) 968-2055

© FEH DESIGN

SHEET TITLE
ROOF FRAMING PLAN

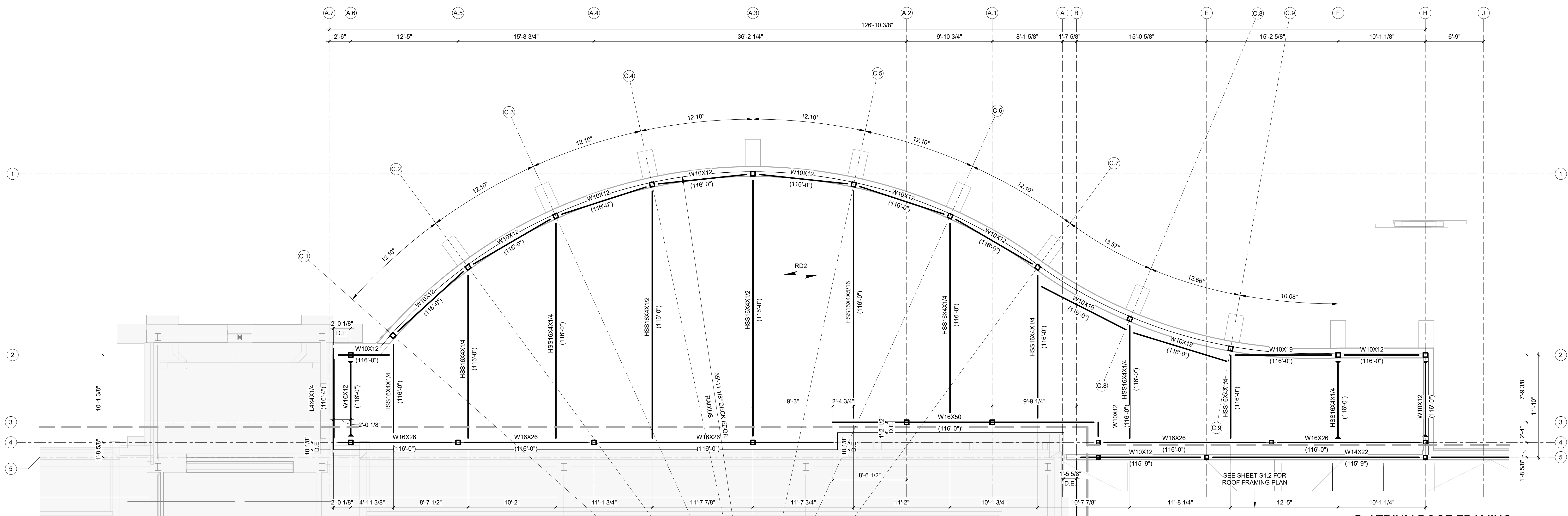
PROJECT TITLE
**CITY OF SUN PRAIRIE
 SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD FRIVE
 SUN PRAIRIE, WI

DATE ISSUED 12/04/2023
 REV. NO. DATE

PROJECT NUMBER
2023402

SHEET
S1.2

PRELIMINARY
 NOT FOR CONSTRUCTION



ROOF FRAMING PLAN NOTES:

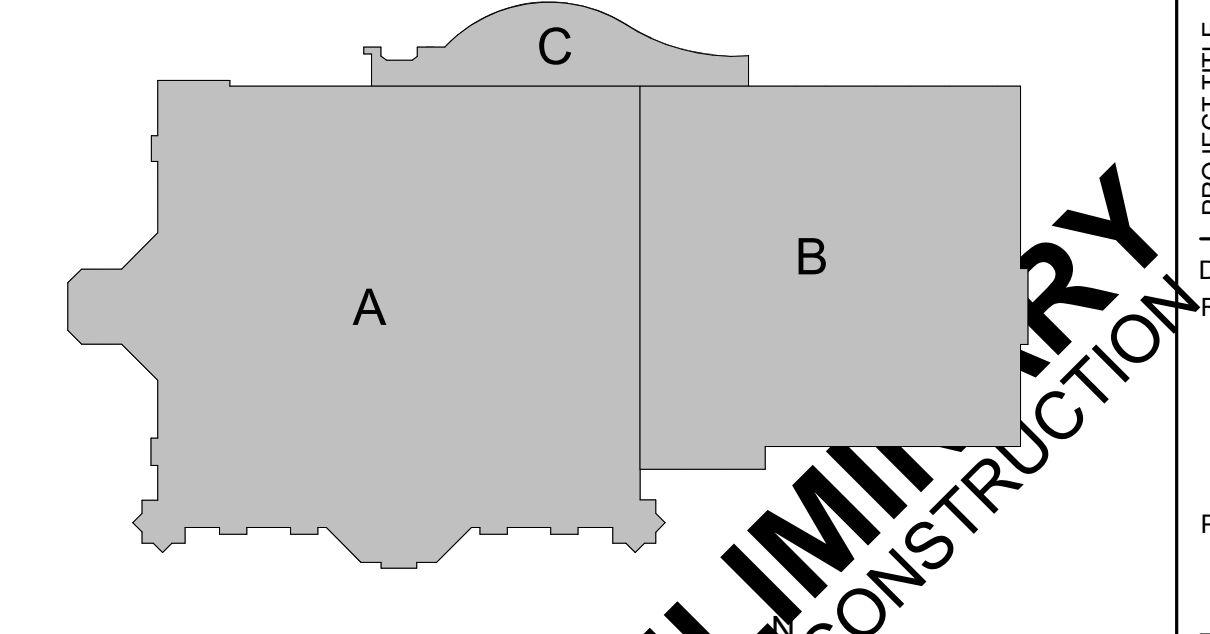
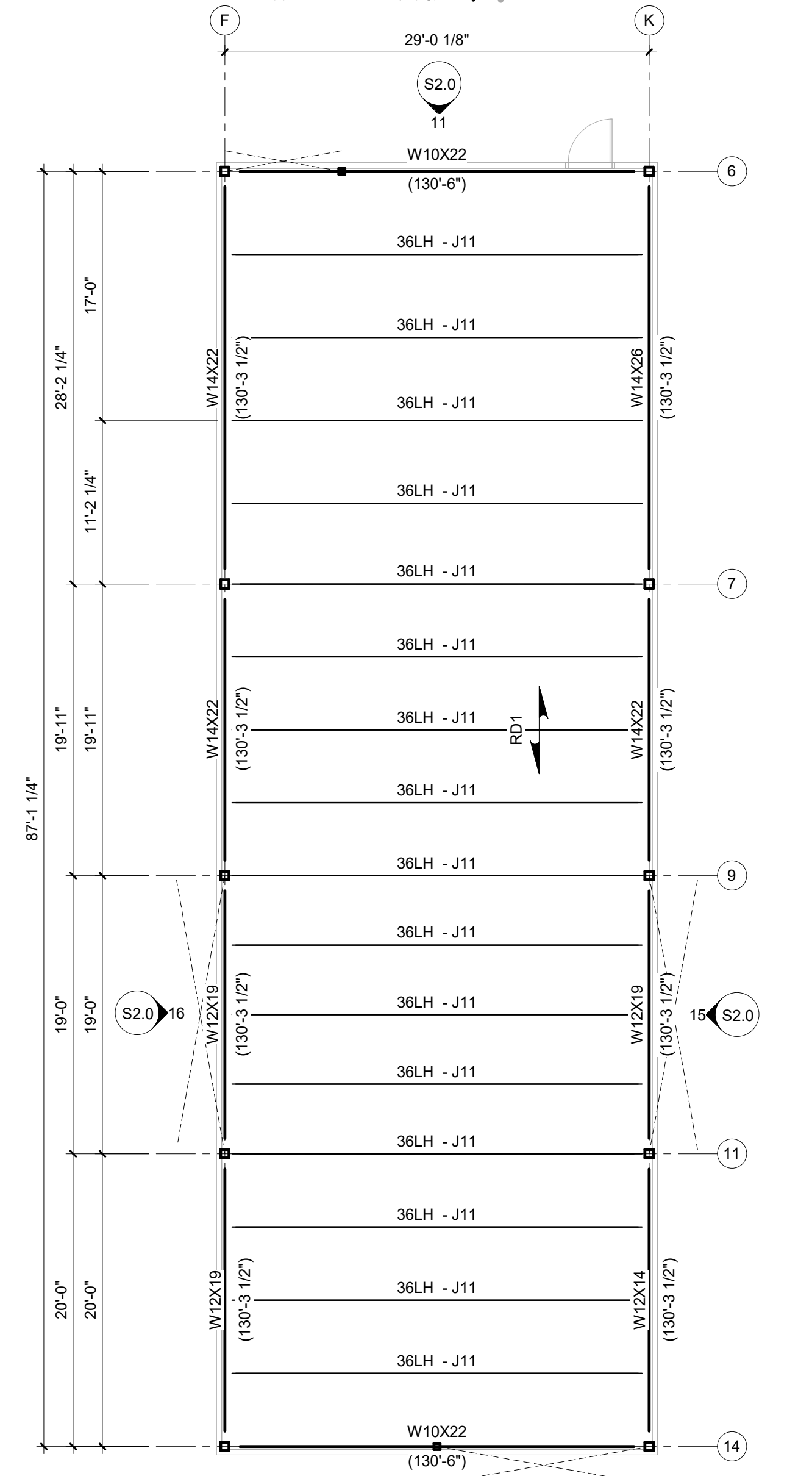
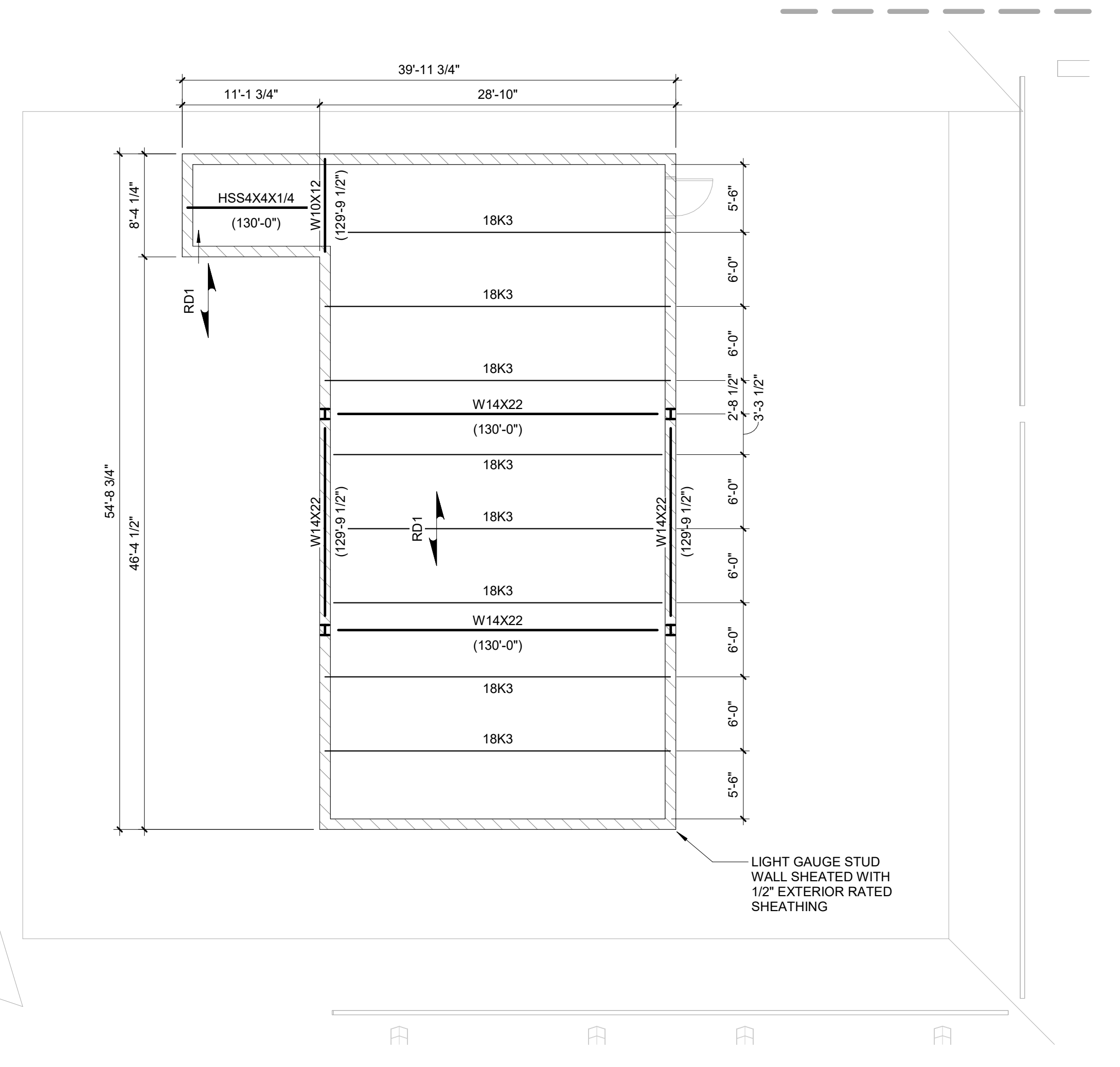
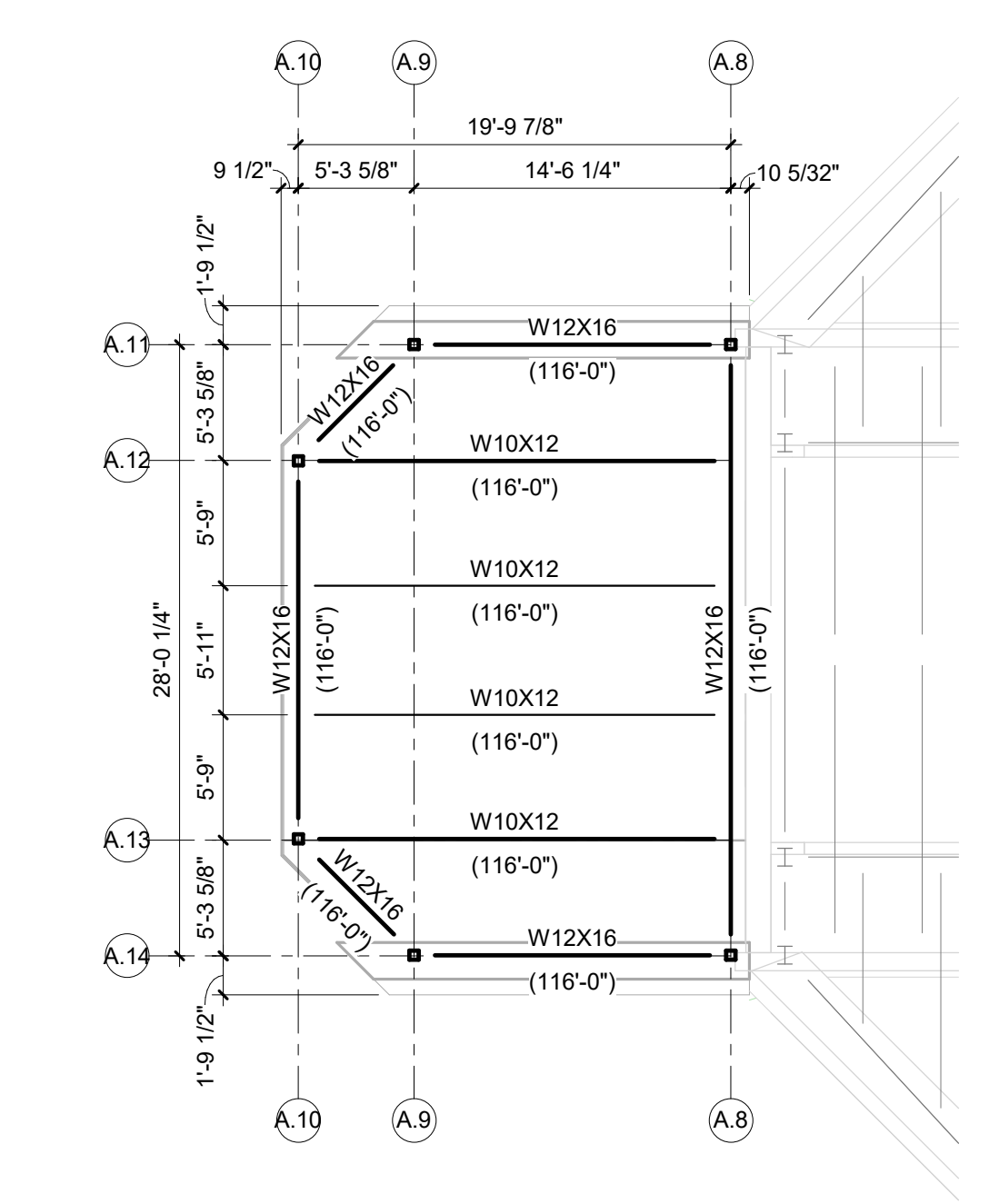
- GENERAL**
- FOR GENERAL NOTES, SPECIAL INSPECTIONS, AND MATERIAL STRENGTHS SEE SHEETS S0.1 AND S0.2
 - SEE SHEETS S0.3, S0.4, AND S0.5 FOR TYPICAL DETAILS
 - COORDINATE OPENINGS IN WALLS AND SLABS WITH MECHANICAL, ELECTRICAL, AND PLUMBING CONTRACTORS
 - CONTRACTOR TO VERIFY AND COORDINATE SIZE AND WEIGHT OF ROOF TOP MECHANICAL UNITS PRIOR TO MANUFACTURING AND INSTALLATION OF SUPPLEMENTAL FRAMING MEMBERS AT CURB SUPPORT
 - NO FIELD CUTTING OF OPENINGS ALLOWED
 - REFER TO THE ARCHITECTURAL DRAWINGS AND/OR COORDINATE WITH THE ARCHITECT REGARDING ADDITIONAL DIMENSIONS AND ELEVATIONS

- STEEL ROOF DECK**
- INDICATES SPAN DIRECTION OF ROOF DECK
 - DECK BEARING ELEVATION AT CLERESTORY ROOF AS INDICATED
 - SEE S0.5 FOR TYPICAL OPENING FRAME FOR OPENINGS OVER 14" WIDE. COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR OPENING LOCATIONS AND SIZE. VERIFY NUMBER, SIZE AND LOCATION OF ALL OPENINGS IN SLAB WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL

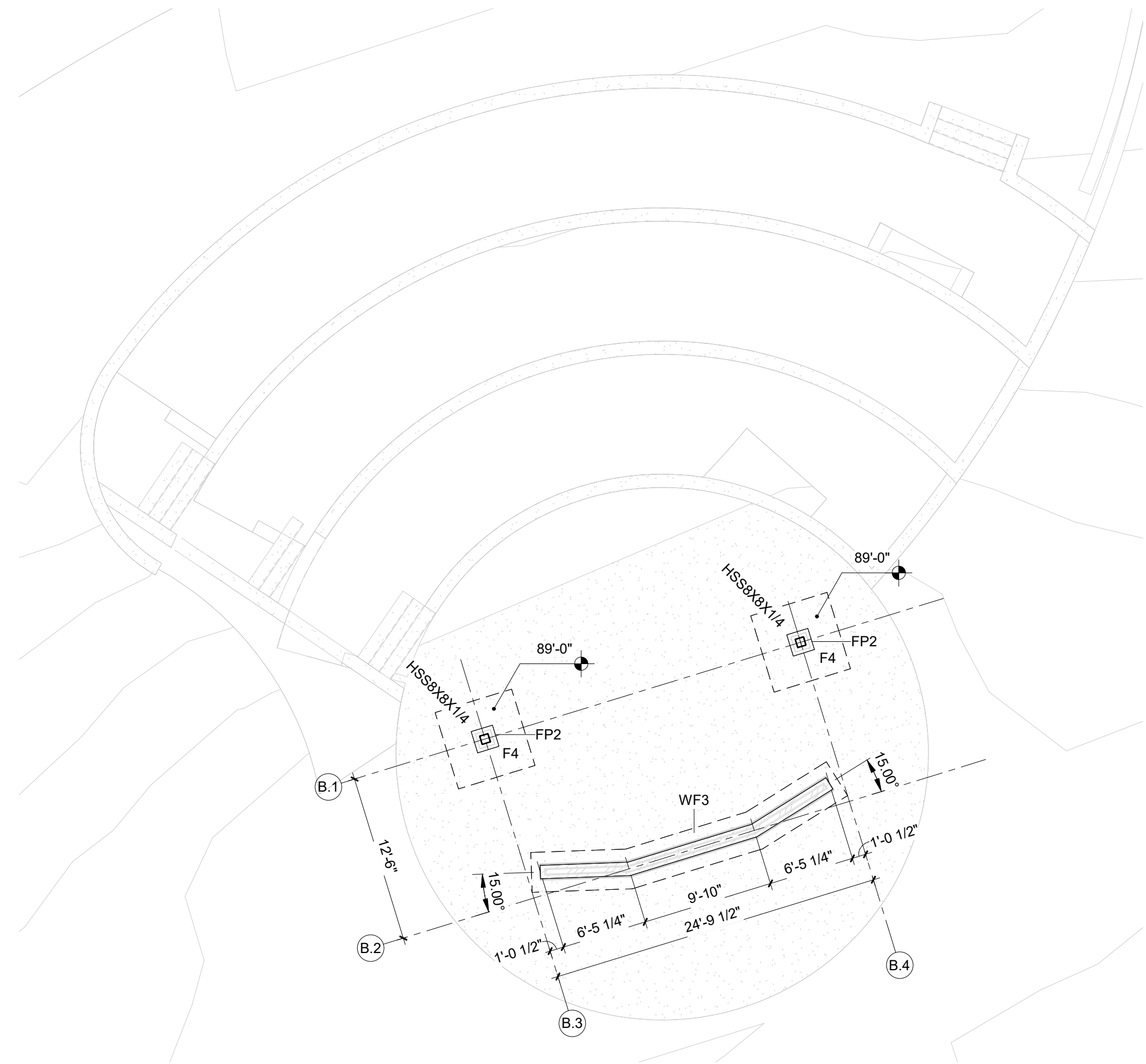
- STEEL ROOF JOISTS**
- K-SERIES JOISTS TO HAVE 2-1/2" DEEP JOIST SEAT. VERIFY ALL JOIST SEAT DEPTHS WITH MANUFACTURER AND NOTIFY ENGINEER IF DIFFERENT THAN INDICATED
 - TOP OF JOIST AT DECK BEARING ELEVATION
 - SEE PLAN DETAILS ON S2.0 FOR JOIST WIND UPLIFT LOADING
 - ADDITIONAL TOP CHORD AXIAL LOAD INDICATED [xxx] ON PLAN
 - SEE S0.6 FOR TYPICAL ROOF OPENING FRAMES. COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR OPENING LOCATIONS AND SIZE
 - SEE S0.6 FOR TYPICAL ROOF EQUIPMENT CURB SUPPORT FRAMING. COORDINATE WITH MECHANICAL CONTRACTOR FOR CURB LOCATIONS
 - WHERE K JOISTS BEAR AT CMU, PROVIDE MIN. PL 1/2" X 7" X 7" BEARING PLATE WITH (2) 5/8" DIA. HCA, WHERE LH JOISTS BEAR AT CMU, PROVIDE MIN. PL 1/2" X 12" X 8" BEARING PLATE WITH (3) 5/8" DIA. HCA, WHERE JOIST GIRDER BEARS ON CMU, PROVIDE MIN PL 1/2" X 12" X 12" BEARING PLATE, COORDINATE WITH JOIST MANUFACTURER

- STEEL BEAM**
- SERVICE REACTIONS FOR STEEL BEAM CONNECTION ARE INDICATED AS (xxx) ON PLAN, WHERE NOT NOTED, STEEL SUPPLIER TO PROVIDE CONNECTIONS PER STRUCTURAL GENERAL NOTES
 - ADDITIONAL TENSION/COMPRESSION (AXIAL) CONNECTION DESIGN LOADS INDICATED [xxx] ON PLAN
 - T/BEAM ELEVATION AT DECK BEARING ELEVATION OR AT JOIST BEARING ELEVATION (IF SUPPORTING JOISTS) UNLESS NOTED OTHERWISE

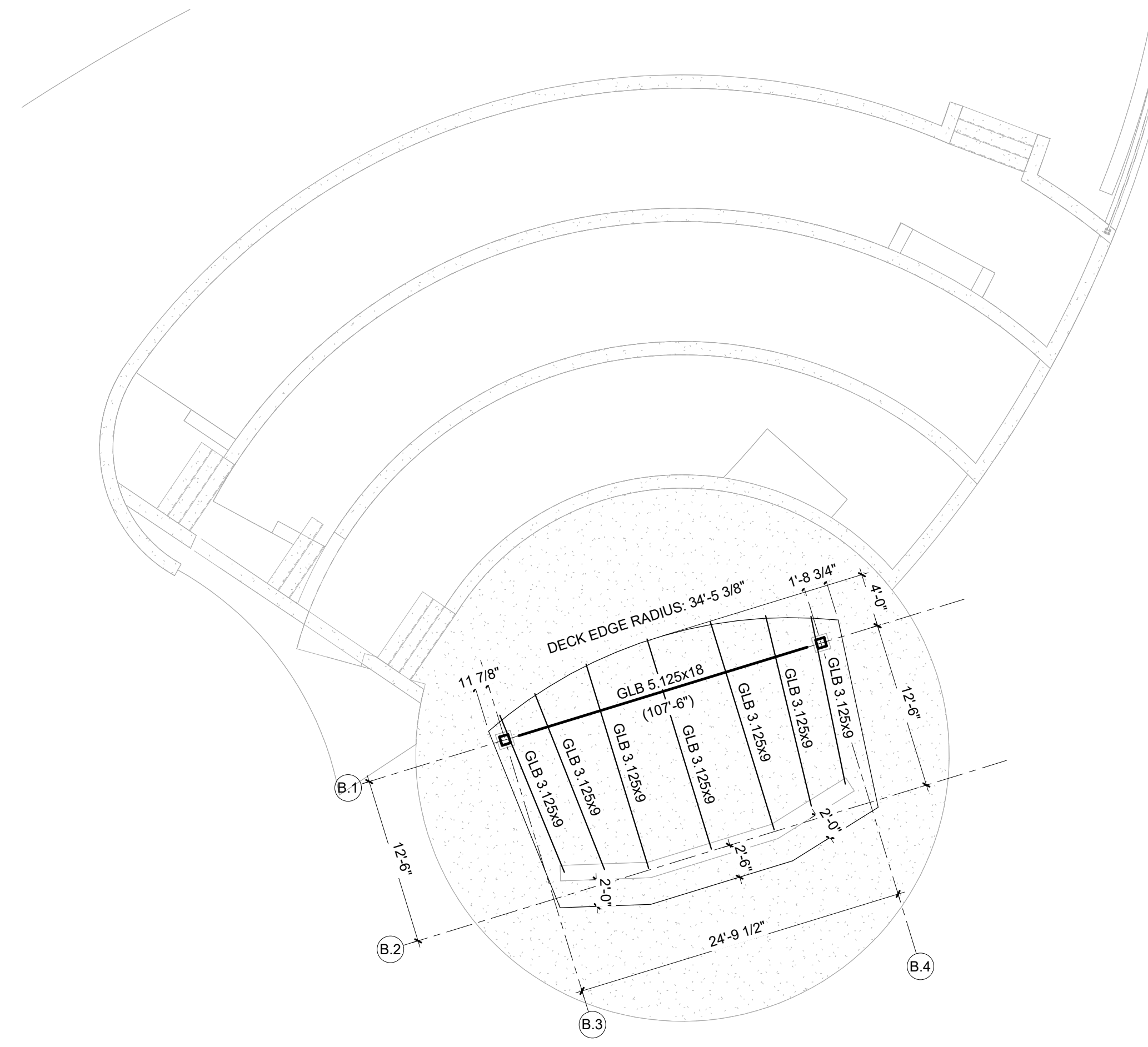
- MASONRY BEARING WALLS**
- TYPICAL AND ADDITIONAL WALL REINFORCEMENT PER GENERAL NOTES AND TYPICAL DETAILS UNLESS NOTED OTHERWISE
 - INDICATES CMU WALL REINFORCED PER SCHEDULE



PRELIMINARY
 NOT FOR CONSTRUCTION



1 BANDSHELL FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



2 BANDSHELL FRAMING PLAN
SCALE: 1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION



IN ASSOCIATION WITH

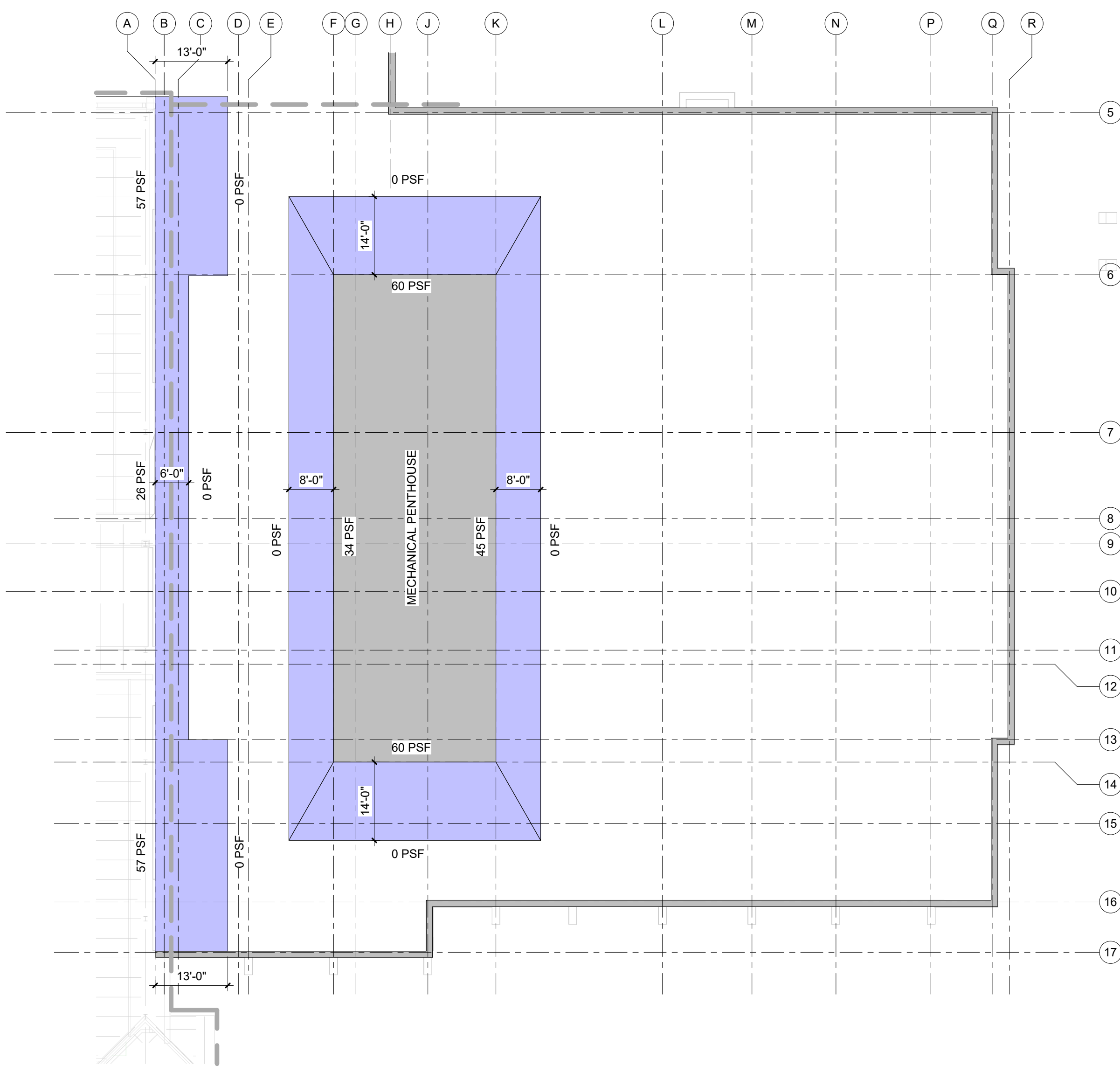
SHEET TITLE
BANDSHELL FOUNDATION AND FRAMING PLANS

PROJECT TITLE
**CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD FRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/04/2023
REV. NO. DATE

PROJECT NUMBER
2023402

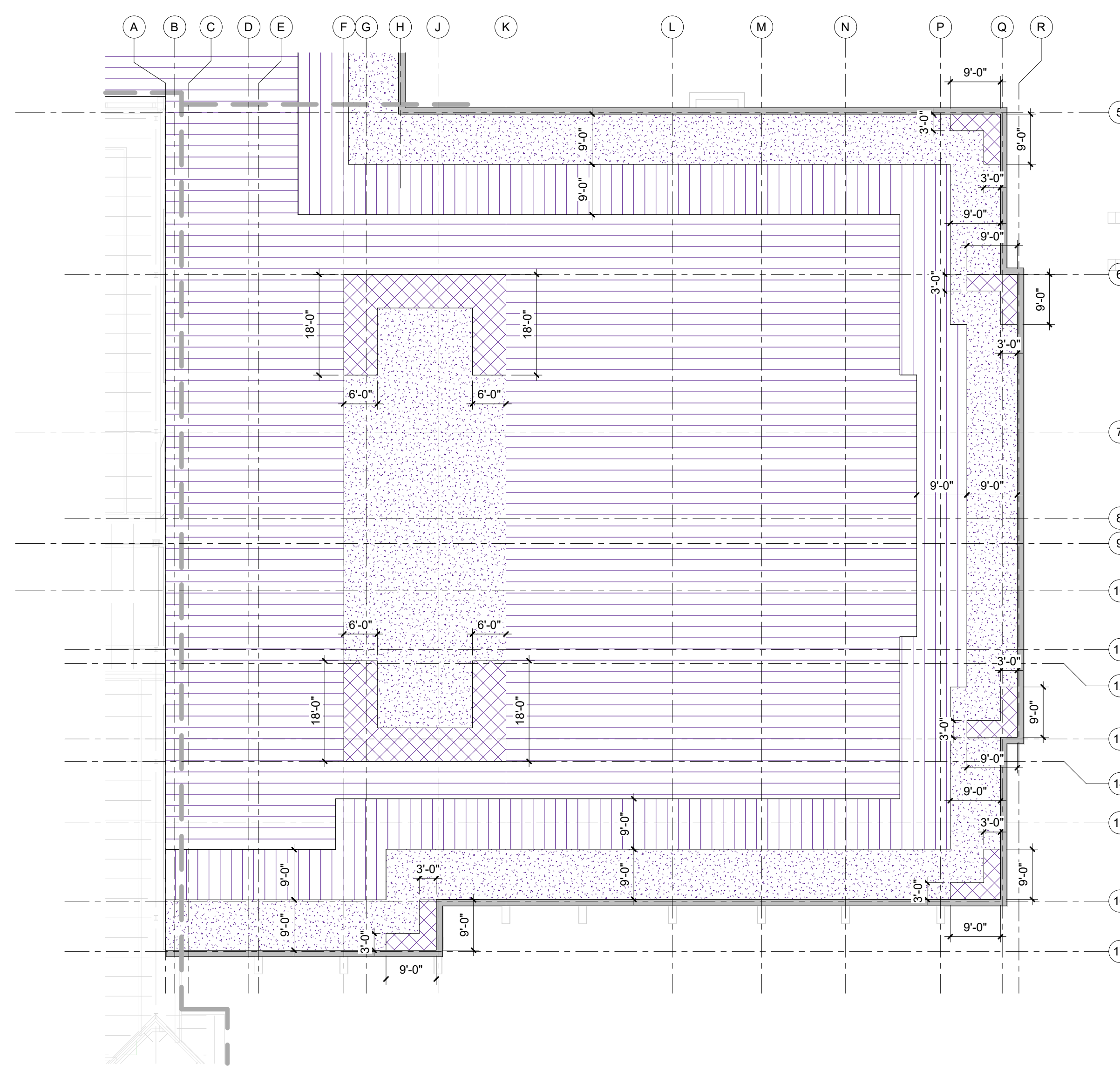
SHEET
S1.4



13 SNOW DRIFT PLAN
SCALE: 1/16" = 1'-0"

SNOW DRIFT PLAN LEGEND:

- 0 PSF MIN. INDICATES MINIMUM DRIFT LOAD
 - XX"XX" INDICATES LENGTH OF DRIFT
 - XX PSF MAX. INDICATES MAXIMUM DRIFT LOAD
- NOTE:** DRIFT LOADS SHALL BE IN ADDITION TO FLAT ROOF SNOW LOADS

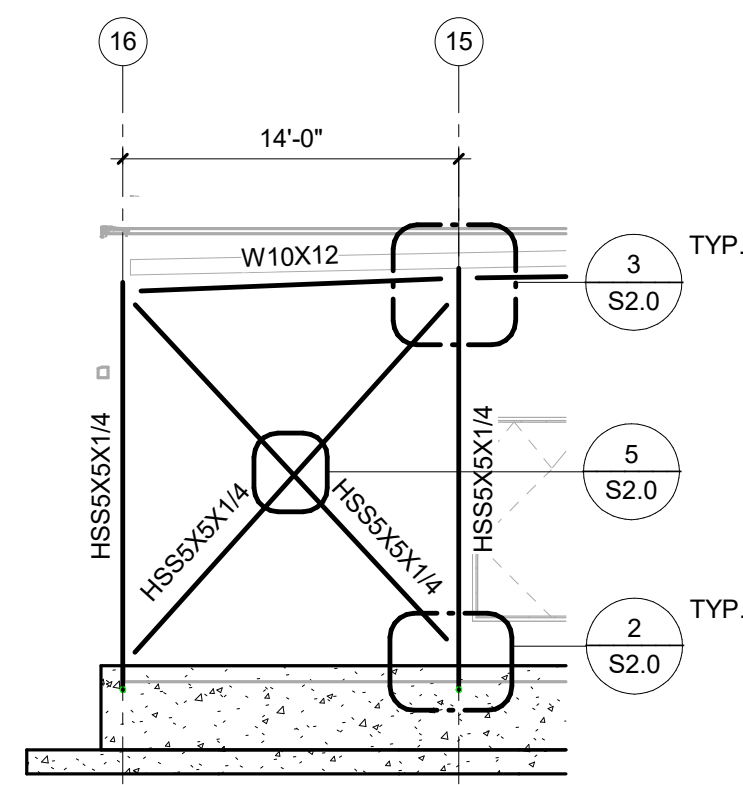


14 WIND UPLIFT PLAN
SCALE: 1/16" = 1'-0"

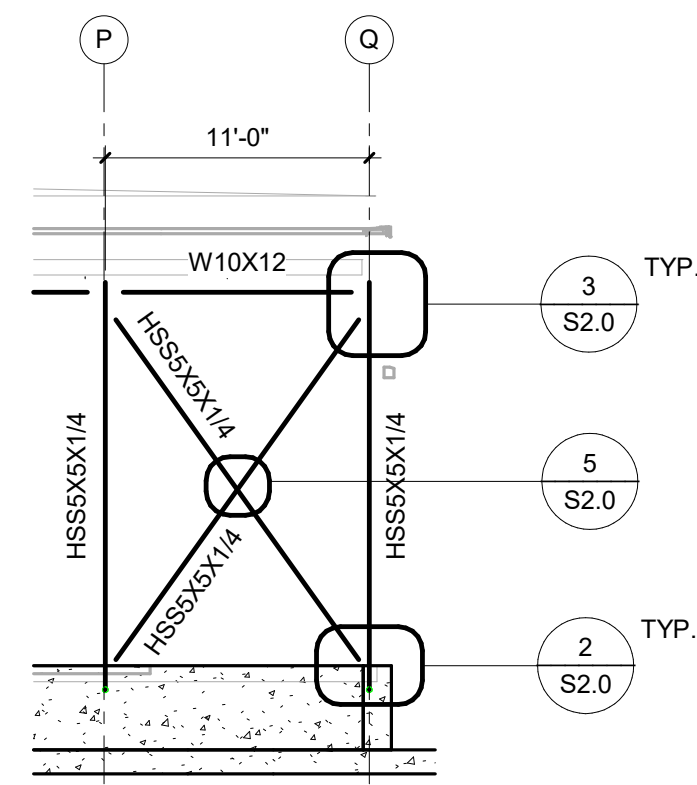
WIND UPLIFT PLAN LEGEND:

- UZ 1 INDICATES WIND UPLIFT ZONE 1 = NET UPLIFT PRESSURE -16 PSF
- UZ 2 INDICATES WIND UPLIFT ZONE 2 = NET UPLIFT PRESSURE -20 PSF
- UZ 3 INDICATES WIND UPLIFT ZONE 3 = NET UPLIFT PRESSURE -30 PSF
- UZ 4 INDICATES WIND UPLIFT ZONE 4 = NET UPLIFT PRESSURE -36 PSF

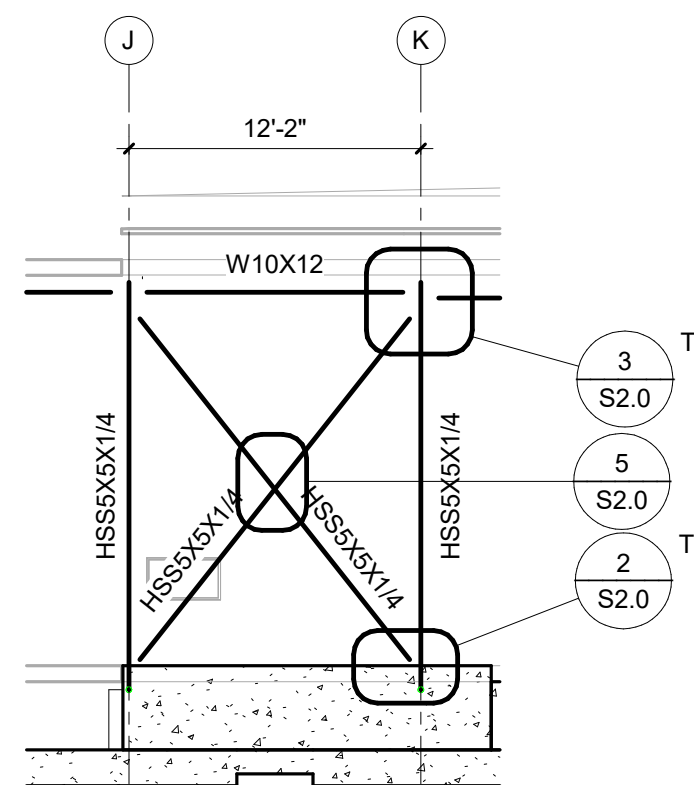
NOTE: WIND UPLIFTS SHOWN ON PLAN WERE CALCULATED USING ASCE 7-16 SECTION 30 PART 2, COMPONENTS AND CLADDING. UPLIFT PRESSURES ARE NET FACTORED UPLIFTS (0.9D + 1.0W)



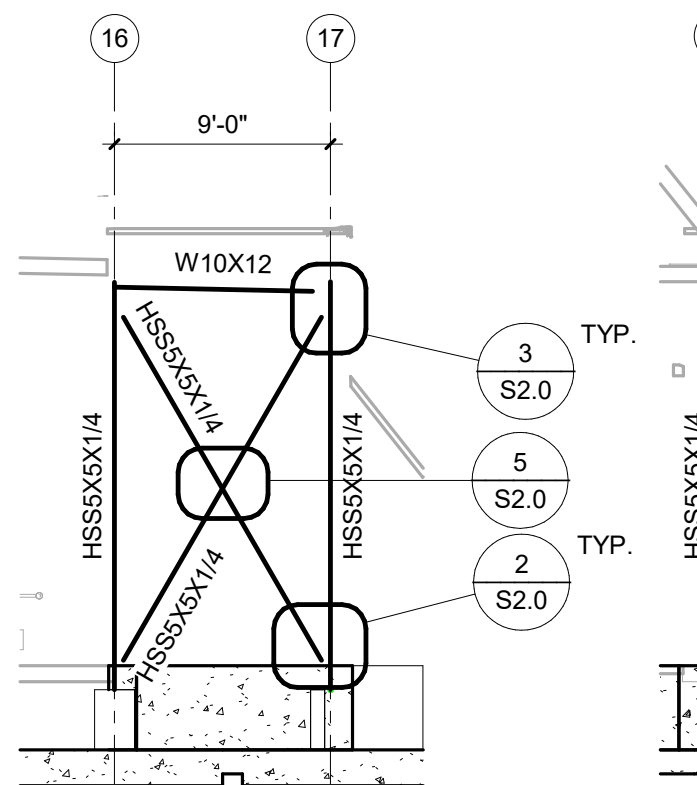
4 Elevation 1 - a
SCALE: 1/8" = 1'-0"



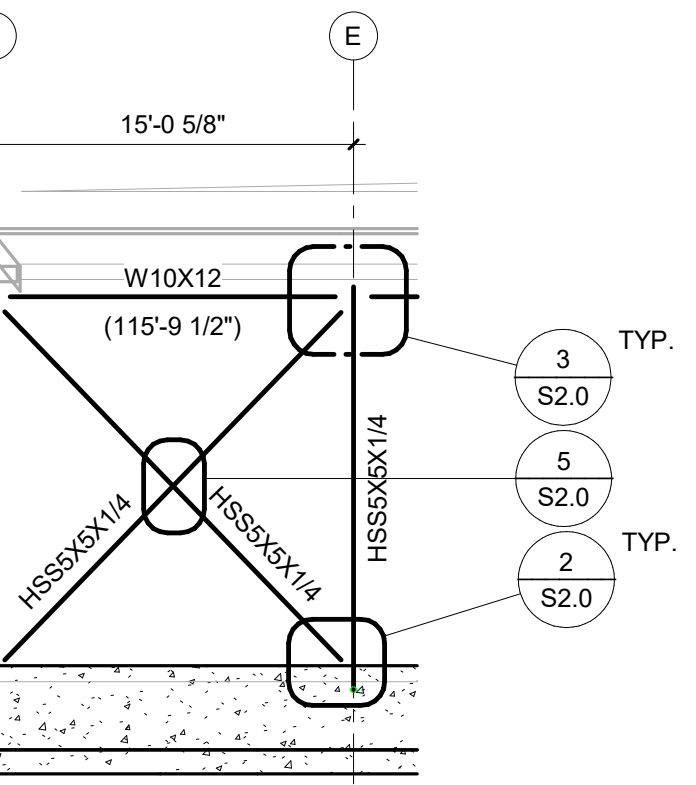
6 Elevation 2 - a
SCALE: 1/8" = 1'-0"



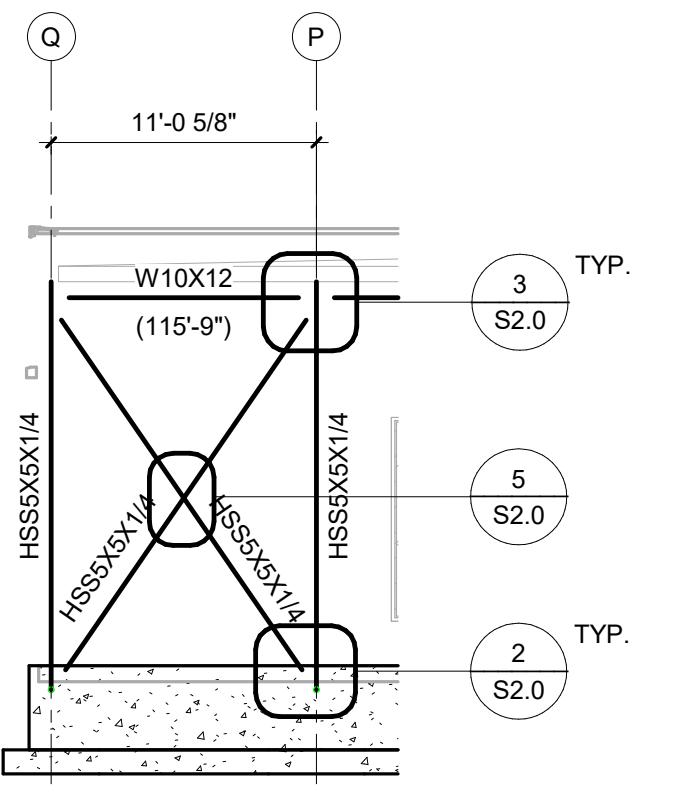
7 Elevation 3 - a
SCALE: 1/8" = 1'-0"



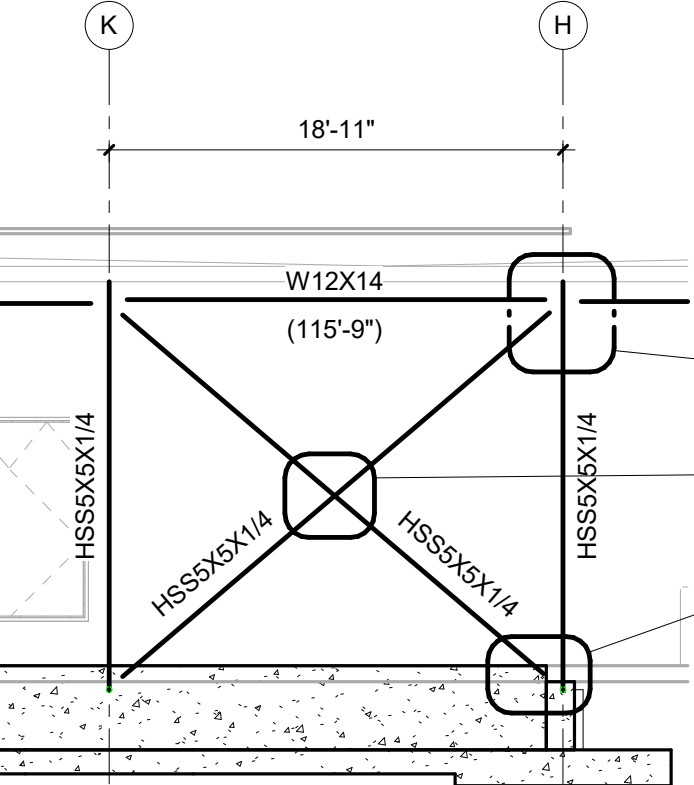
8 Elevation 4 - a
SCALE: 1/8" = 1'-0"



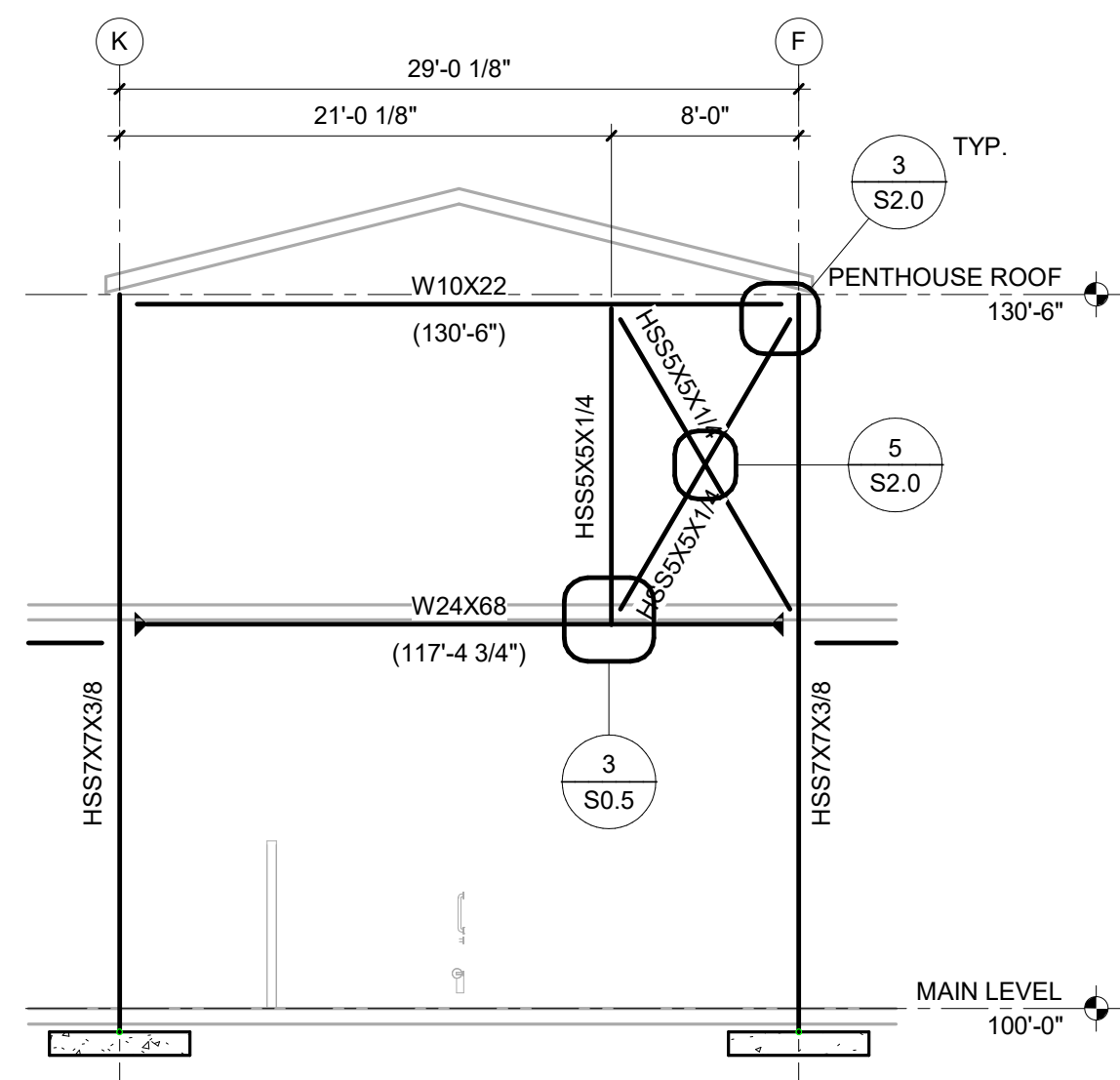
9 Elevation 5 - a
SCALE: 1/8" = 1'-0"



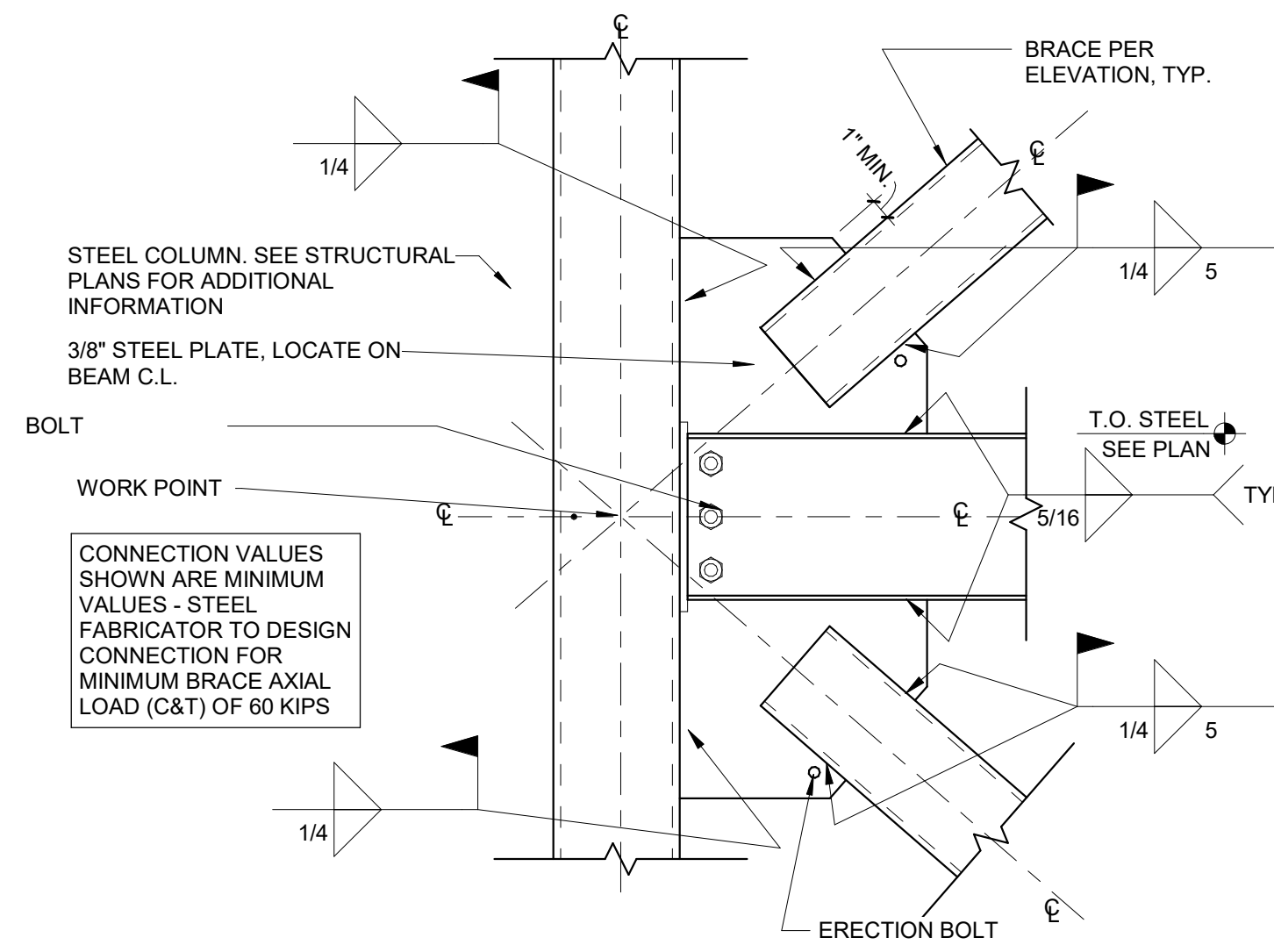
10 Elevation 6 - a
SCALE: 1/8" = 1'-0"



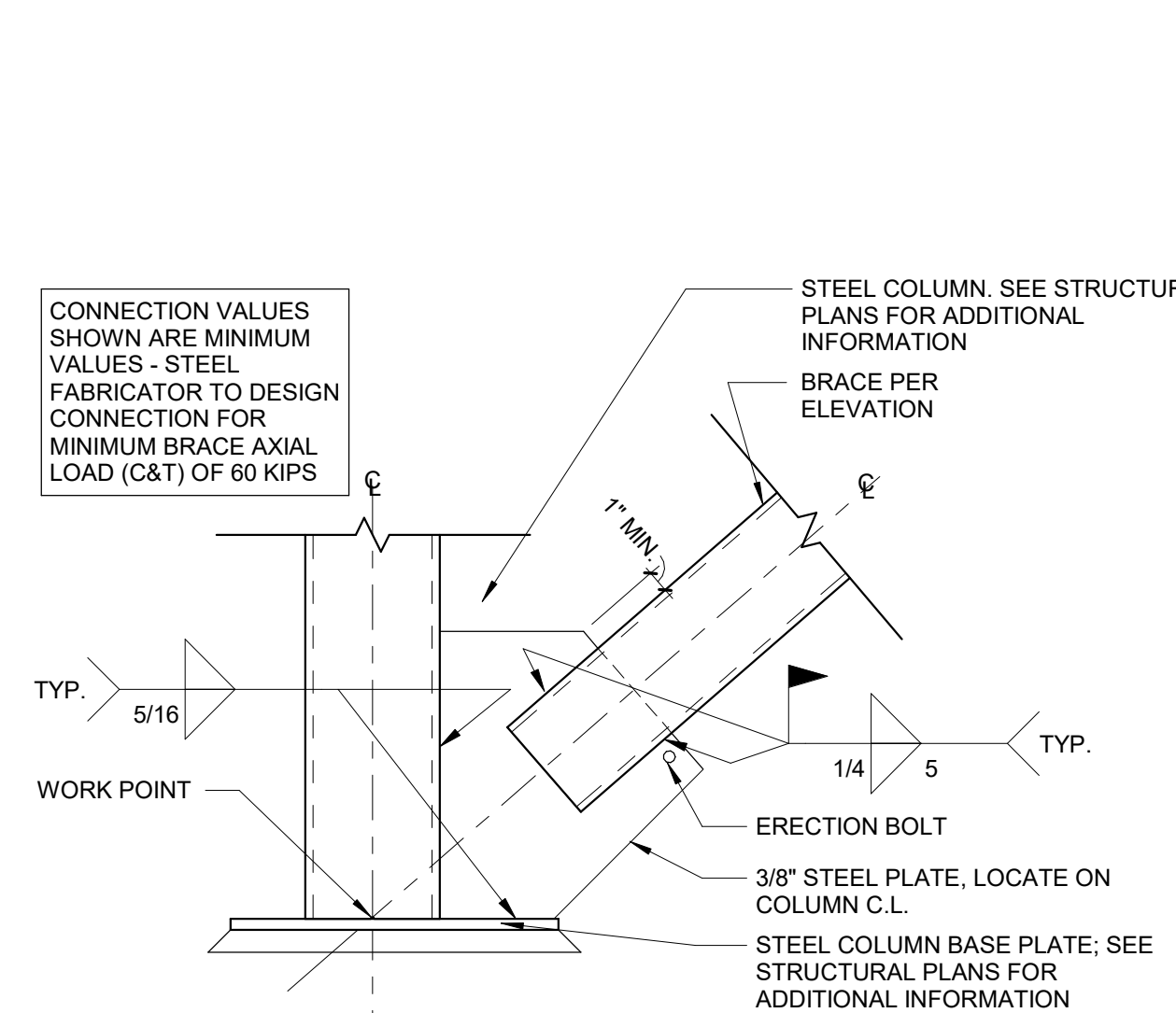
12 Elevation 8 - a
SCALE: 1/8" = 1'-0"



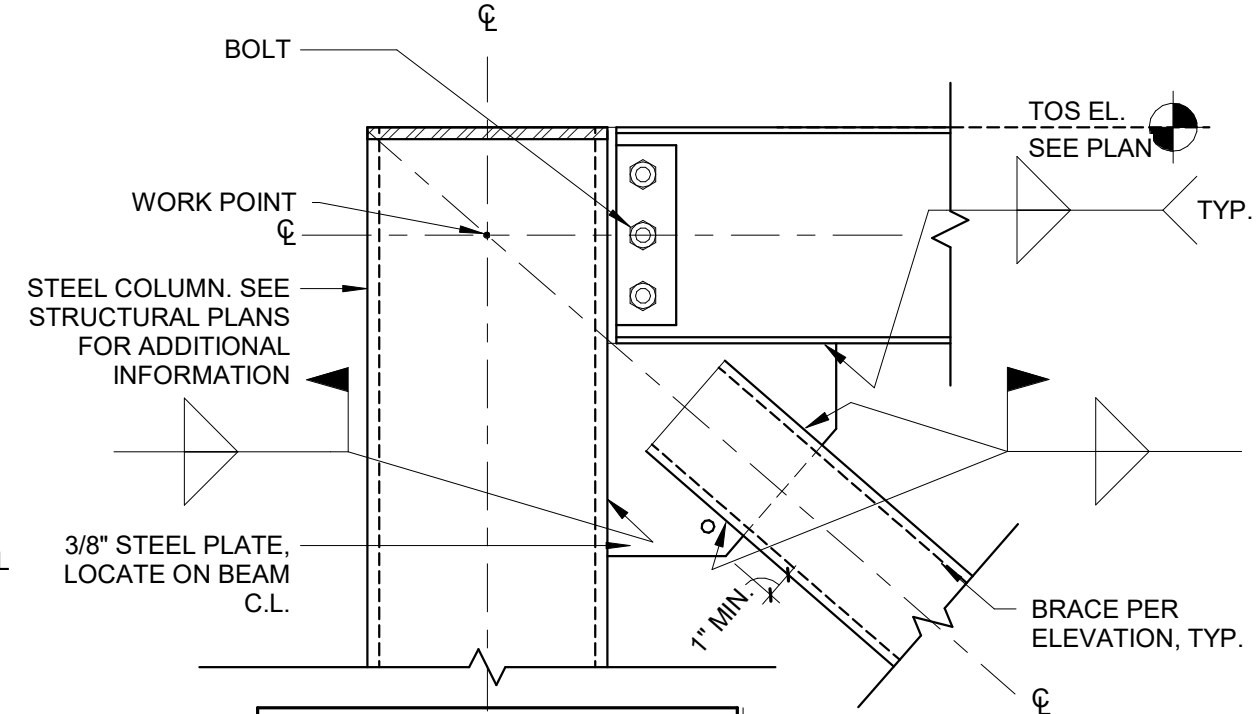
11 Elevation 16 - a
SCALE: 1/8" = 1'-0"



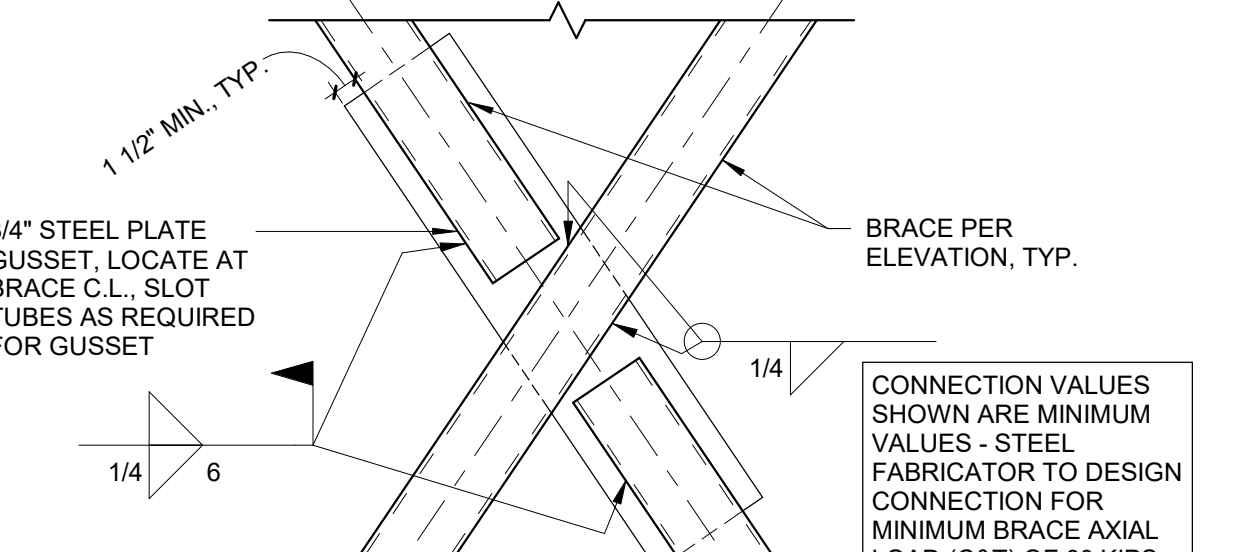
1 HSS BRACED FRAME CONNECTION INTO COLUMN FLANGE
SCALE: 1 1/2" = 1'-0"



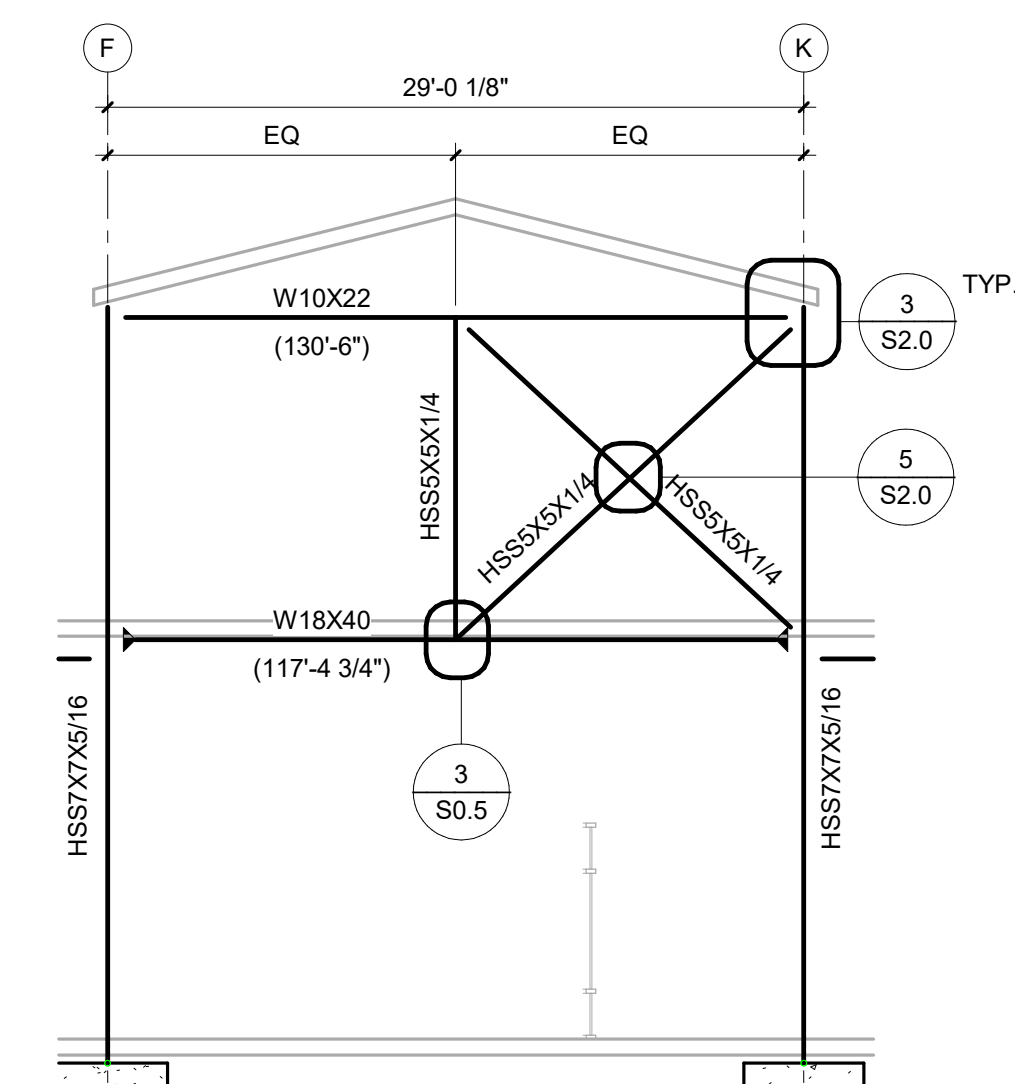
2 HSS BRACED FRAME INTO COLUMN FLANGE AT BASE PLATE
SCALE: 1 1/2" = 1'-0"



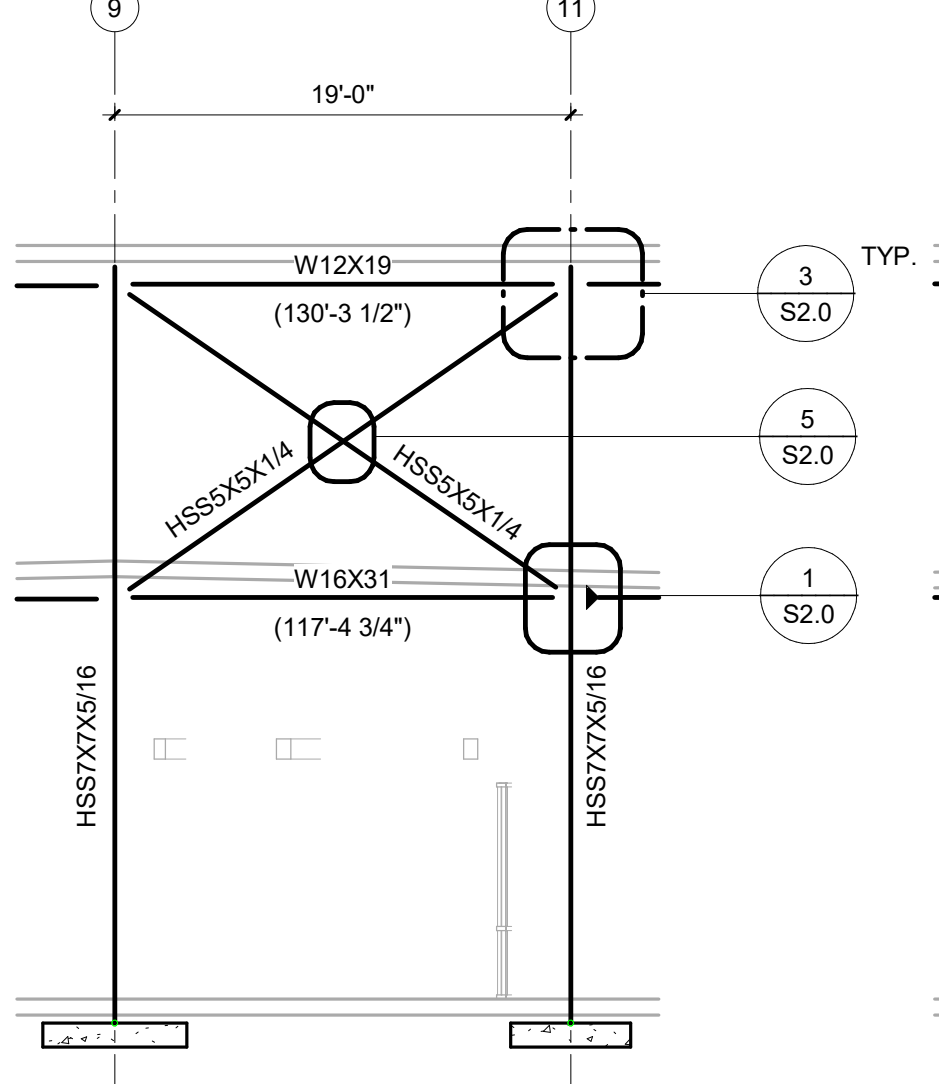
3 HSS BRACED FRAME CONNECTION INTO COLUMN
SCALE: 1 1/2" = 1'-0"



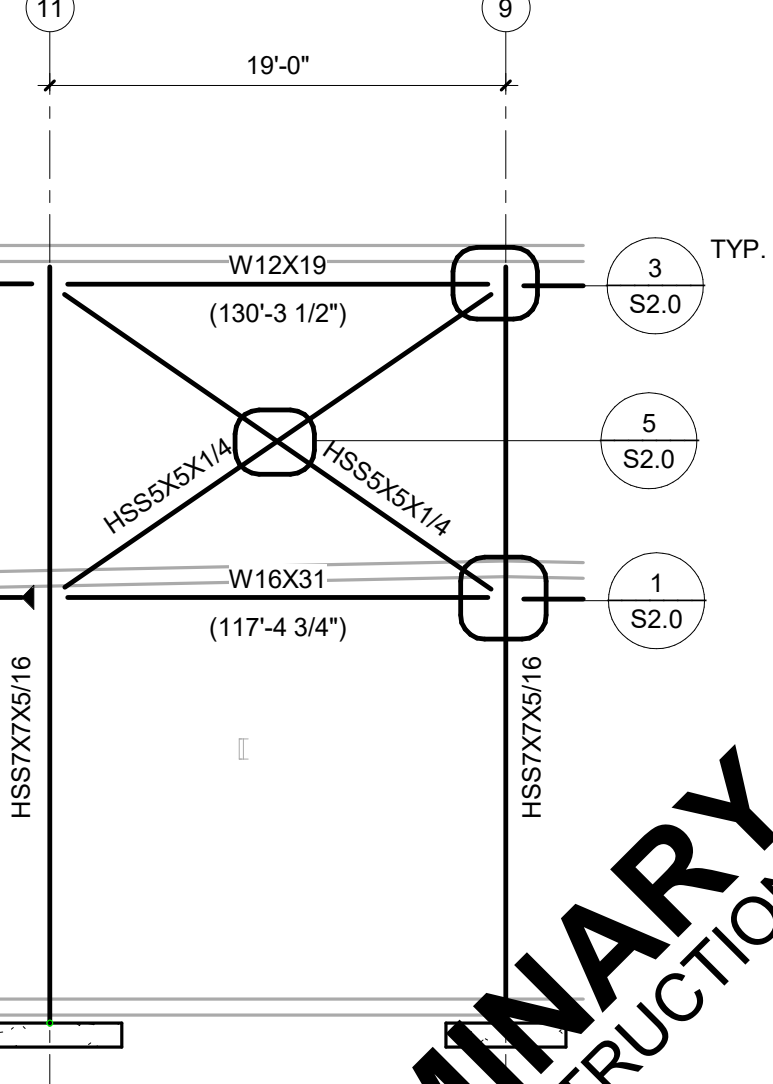
5 BRACE INTERSECTION AT HSS CROSS BRACE
SCALE: 1" = 1'-0"



17 Elevation 15 - a
SCALE: 1/8" = 1'-0"

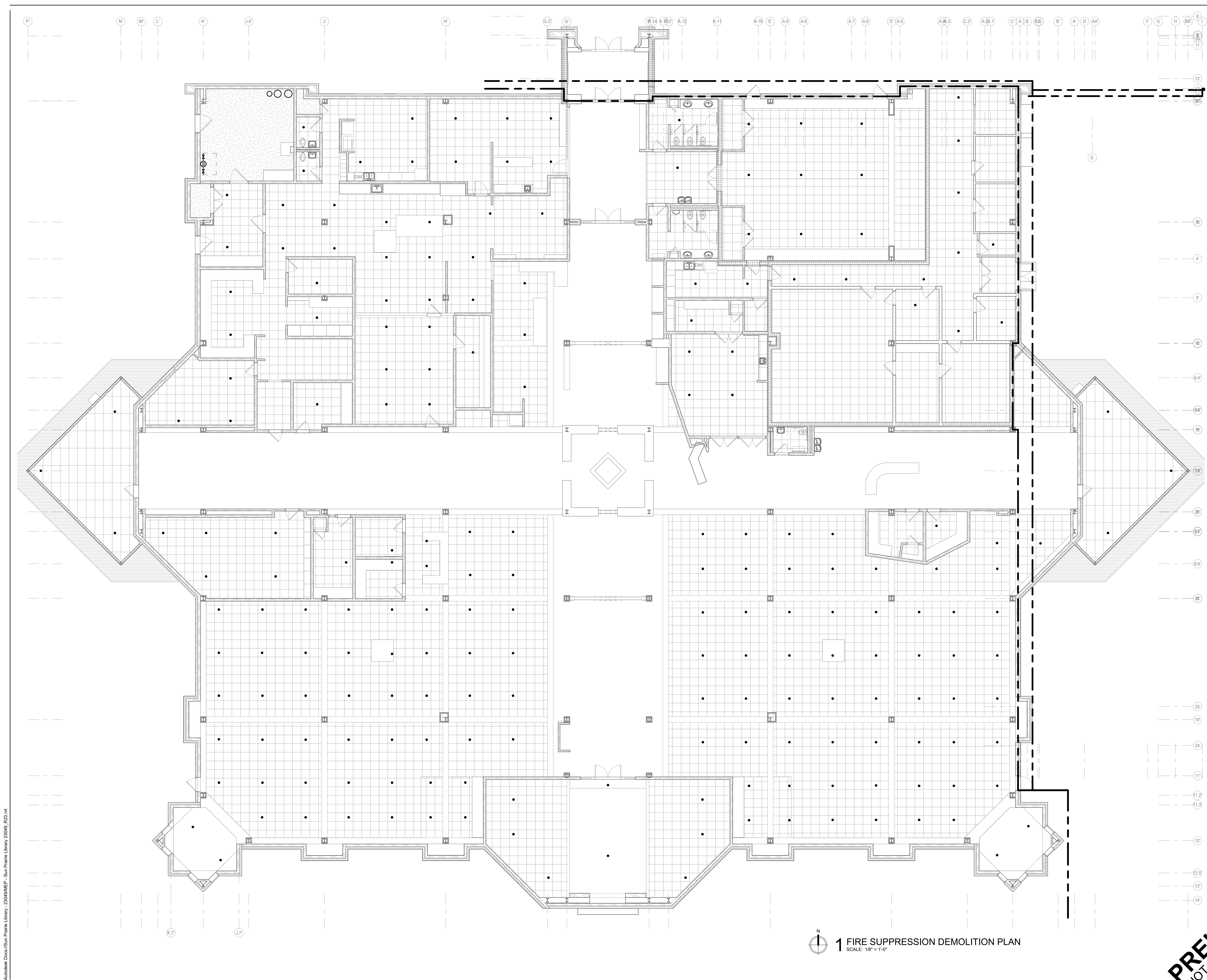


16 Elevation 14 - a
SCALE: 1/8" = 1'-0"



15 Elevation 13 - a
SCALE: 1/8" = 1'-0"

**PRELIMINARY
NOT FOR CONSTRUCTION**



KEYED NOTES

- DEMOLITION KEY**
- TO REMAIN
 - TO BE REMOVED
 - REVISED
- SPRINKLER HEAD DEMO KEY PLAN**
- TO BE REMOVED/REVISED
 - EXISTING TO REMAIN

1 FIRE SUPPRESSION DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERTUD DRIVE
 SUN PRAIRIE, WI

PROJECT NUMBER: 2023402
 SHEET: FD1.1

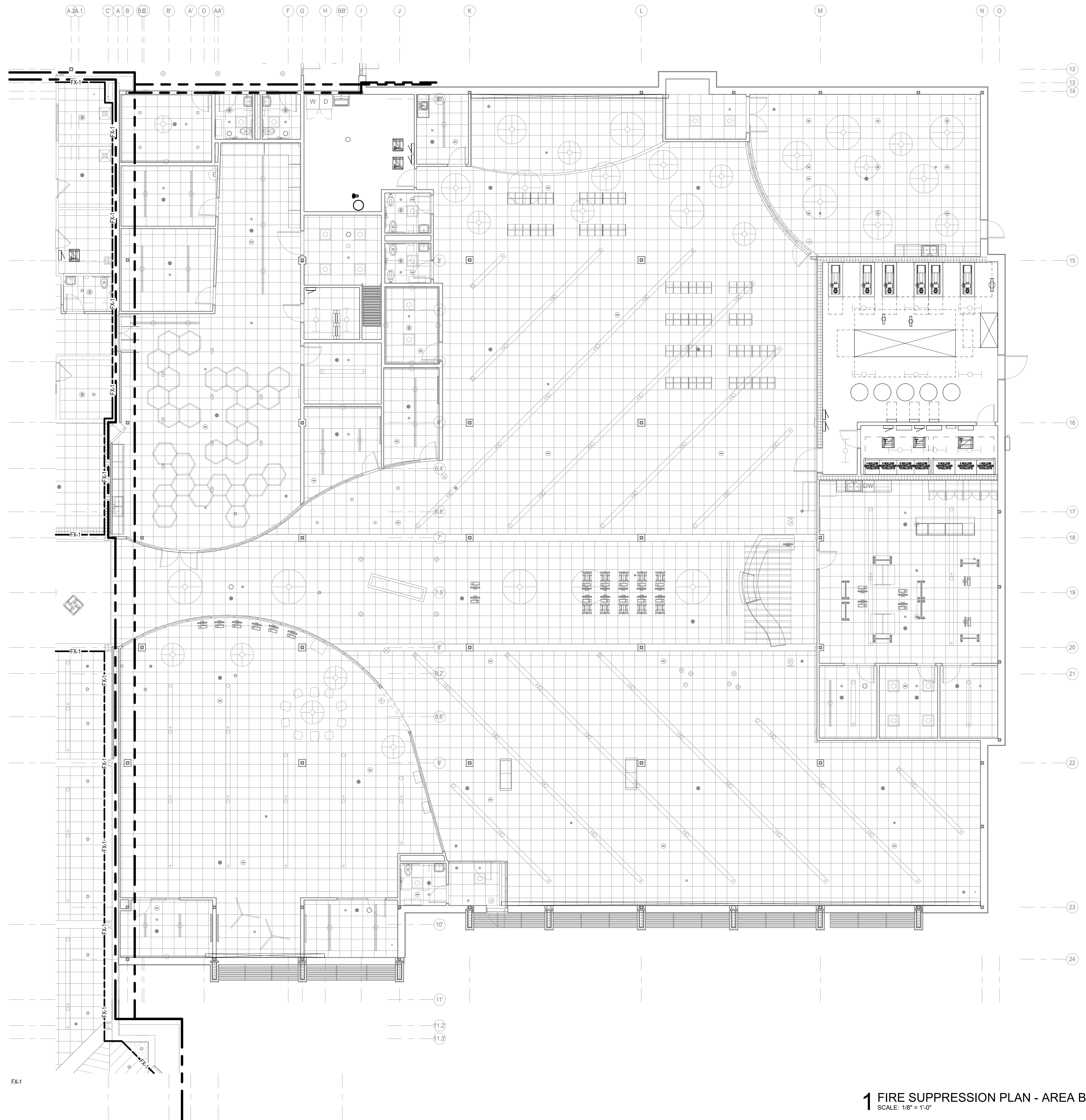
DATE ISSUED: 12/16/2023
 REV. NO. DATE

IN ASSOCIATION WITH:

SNYDER & ASSOCIATES

DESIGN ENGINEERS

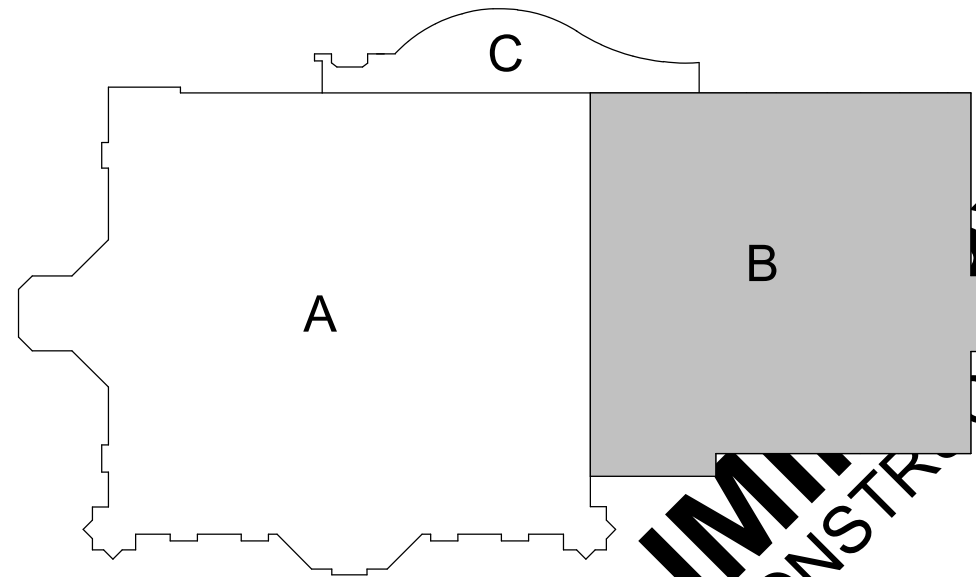
FEH DESIGN
 OCONOMOWOC, WI (262) 988-2055
 DUBUQUE, IA (663) 983-4600
 DES MOINES, IA (515) 288-2000
 SIOUX CITY, IA (712) 252-3889



KEYED NOTES

NEW WORK KEY
 — EXISTING
 — NEW / REVISED

SPRINKLER HEAD NEW WORK KEY PLAN
 ● NEW/REVISED
 ○ EXISTING TO REMAIN



KEY PLAN

1 FIRE SUPPRESSION PLAN - AREA B
 SCALE: 1/8" = 1'-0"

PRELIMINARY
 NOT FOR CONSTRUCTION

IN ASSOCIATION WITH



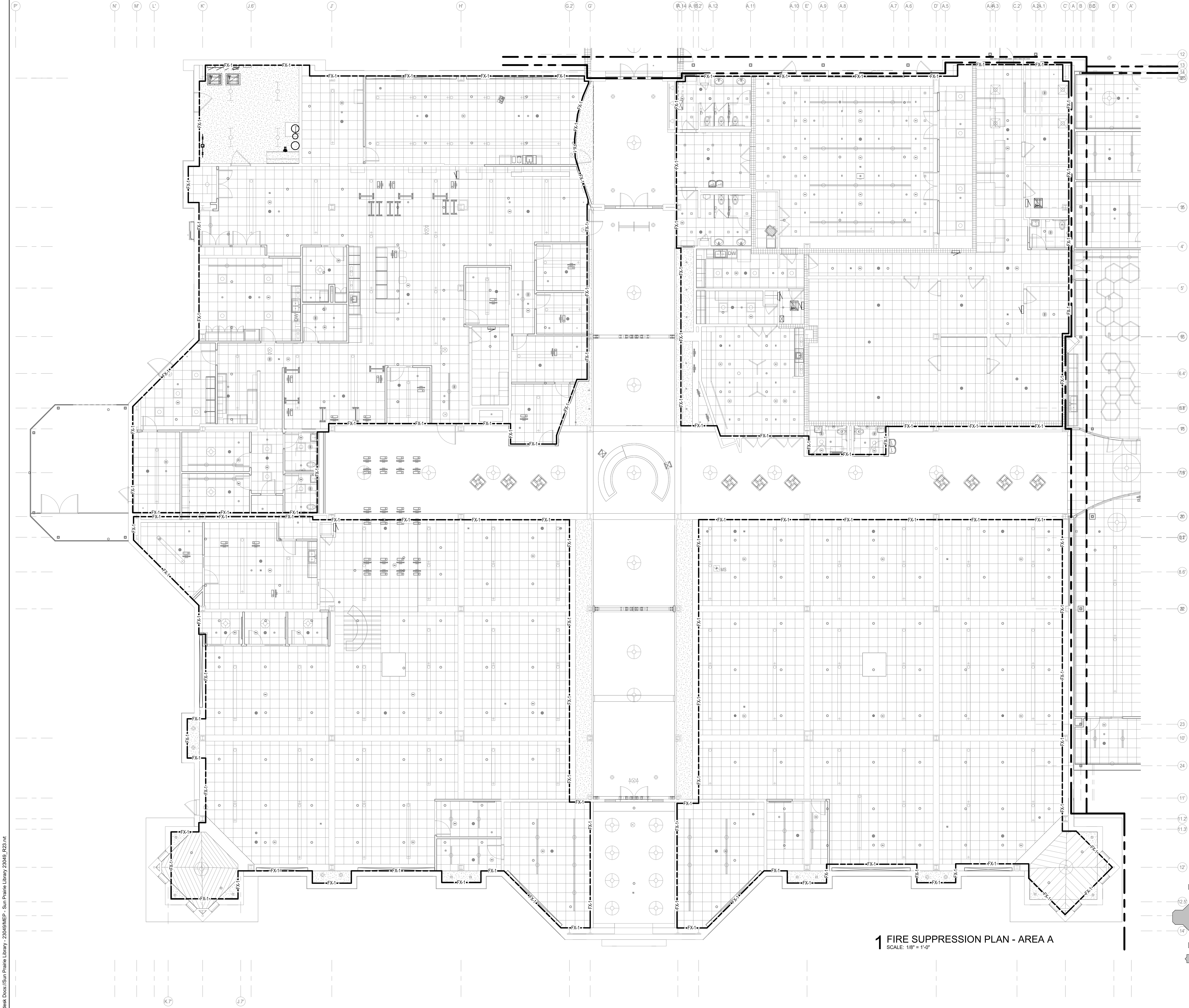
SHEET TITLE
FIRE SUPPRESSION PLAN - AREA B

PROJECT TITLE
**CITY OF SUN PRAIRIE
 SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
 REV. NO. DATE

PROJECT NUMBER
 2023402

SHEET
FX1.2

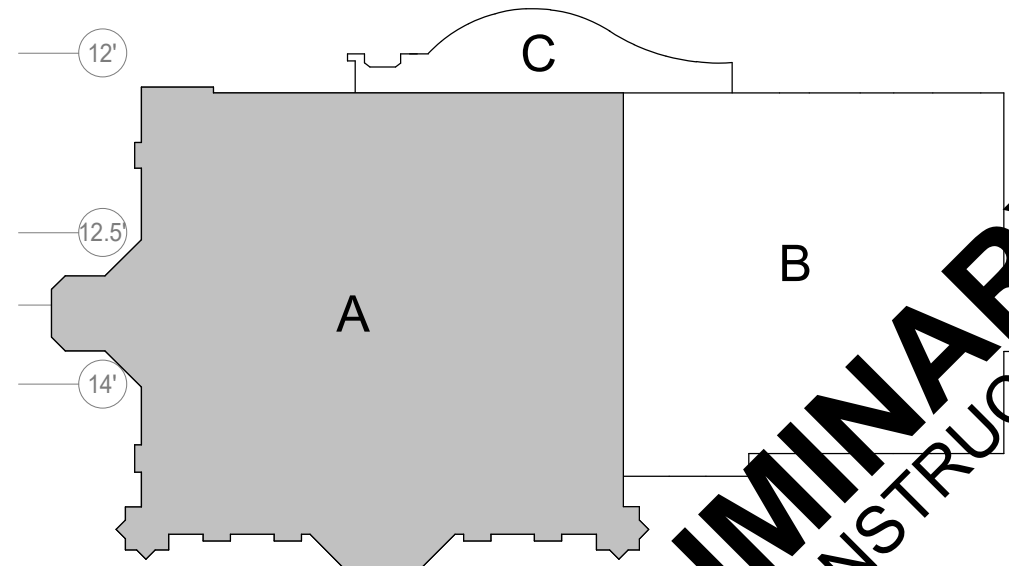


KEYED NOTES

NEW WORK KEY
— EXISTING
- - - NEW / REVISED

SPRINKLER HEAD NEW
WORK KEY PLAN
● NEW/REVISED
○ EXISTING TO REMAIN

1 FIRE SUPPRESSION PLAN - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

SHEET TITLE
FIRE SUPPRESSION PLAN - AREA A

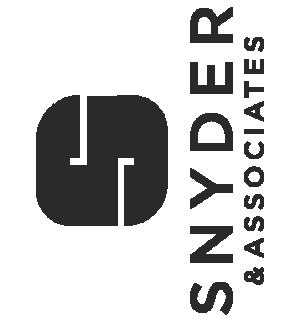
PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
REV. NO. DATE

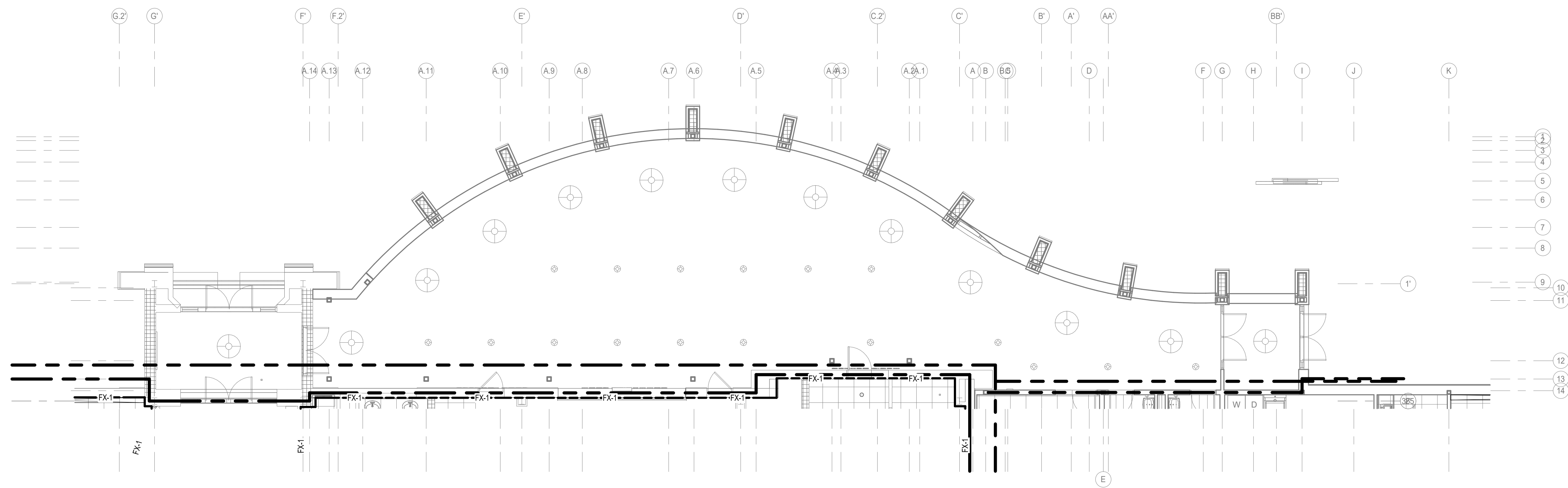
PROJECT NUMBER
2023402

SHEET
FX1.1

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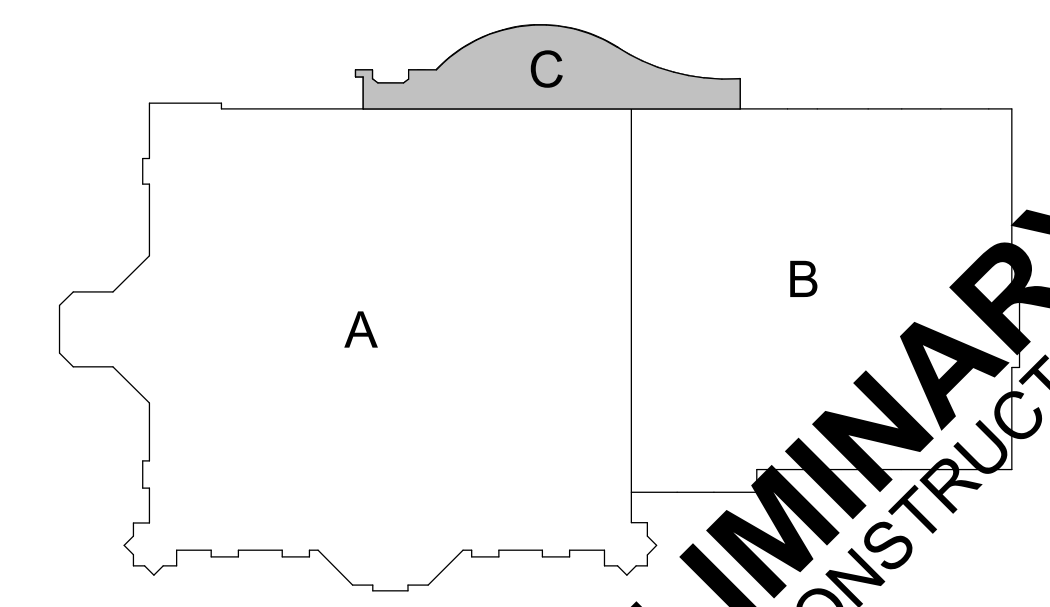
SIOUX CITY, IA (712) 252-3889
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DUBUQUE, IA (663) 983-4900
OCONOMOWOC, WI (262) 988-2055



1 FIRE SUPPRESSION PLAN - AREA C
SCALE: 1/8" = 1'-0"

NEW WORK KEY
 --- EXISTING
 - - - NEW / REVISED

SPRINKLER HEAD NEW WORK KEY PLAN
 ● NEW/REVISED
 ○ EXISTING TO REMAIN



KEY PLAN

KEYED NOTES

IN ASSOCIATION WITH



SHEET TITLE
FIRE SUPPRESSION PLAN - AREA C

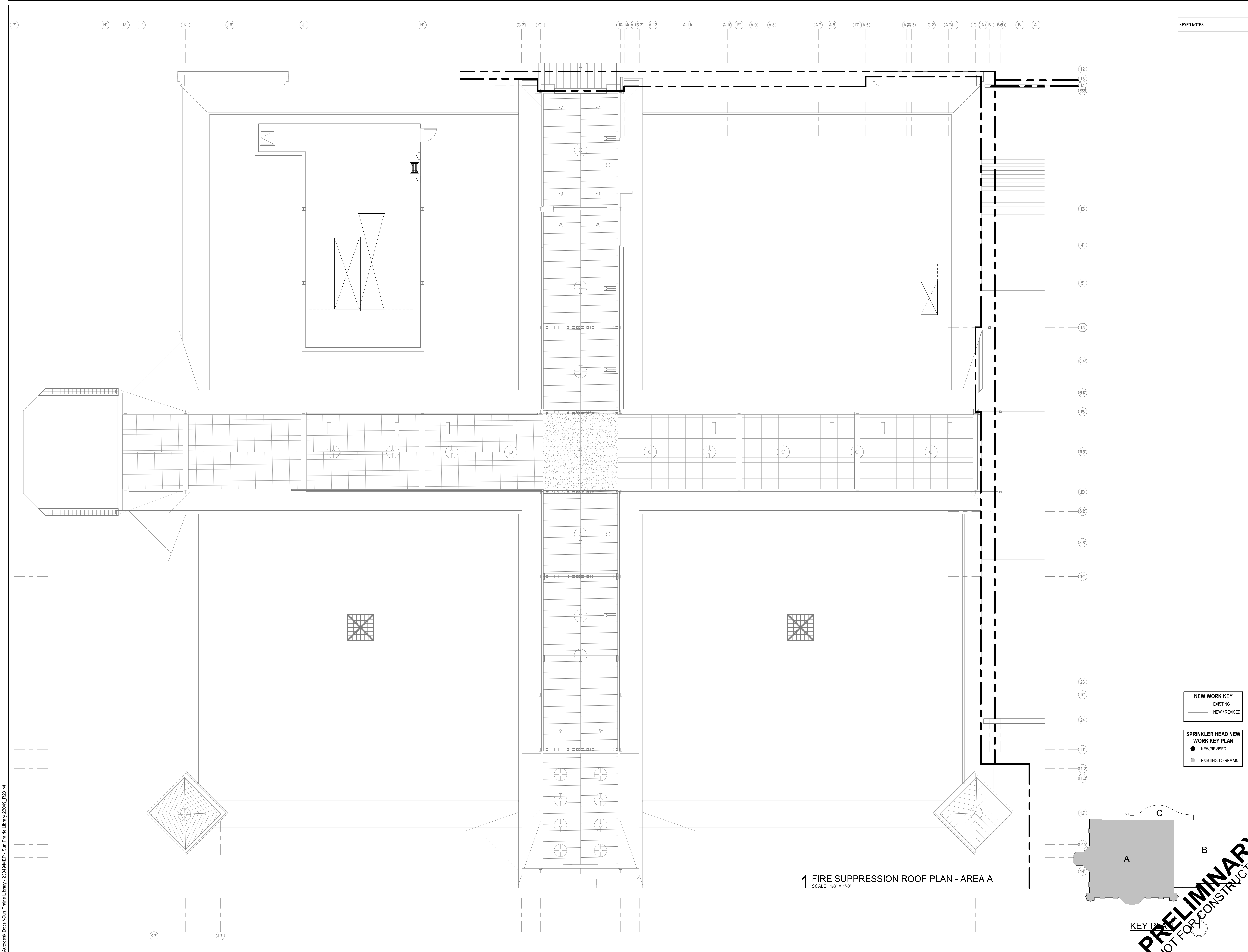
PROJECT TITLE
**CITY OF SUN PRAIRIE
 SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
 REV. NO. DATE

PROJECT NUMBER
 2023402

SHEET
FX1.3

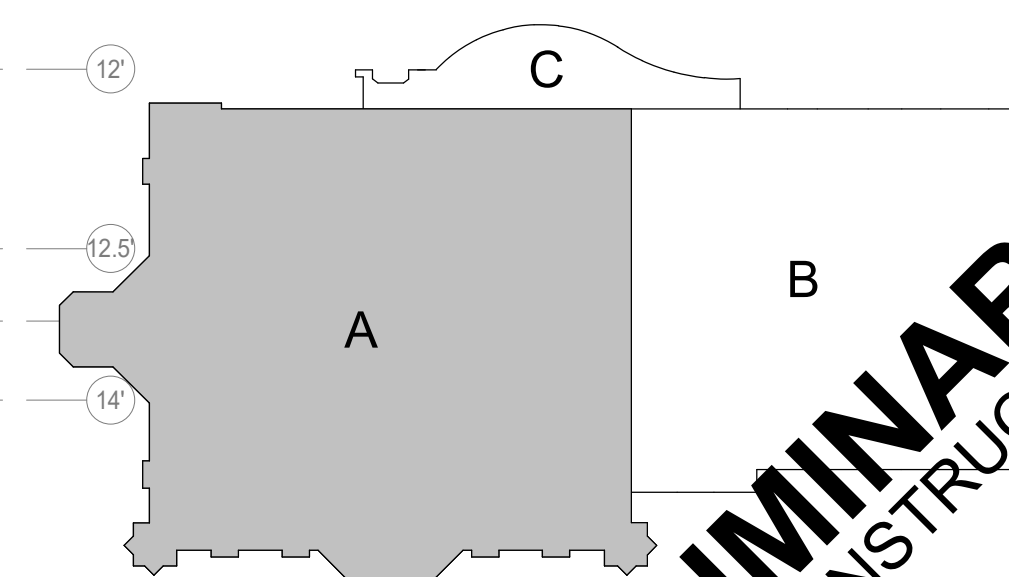
FEH DESIGN
 SIOUX CITY, IA (712) 252-3889
 DES MOINES, IA (515) 288-2000
 DUBUQUE, IA (663) 583-4500
 OCONOMOWOC, WI (262) 988-2055



KEYED NOTES

- NEW WORK KEY**
 - EXISTING
 - NEW / REVISED
- SPRINKLER HEAD NEW WORK KEY PLAN**
 - NEW/REVISED
 - EXISTING TO REMAIN

1 FIRE SUPPRESSION ROOF PLAN - AREA A
SCALE: 1/8" = 1'-0"



PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

PROJECT NUMBER: 2023402
 SHEET: FX2.1

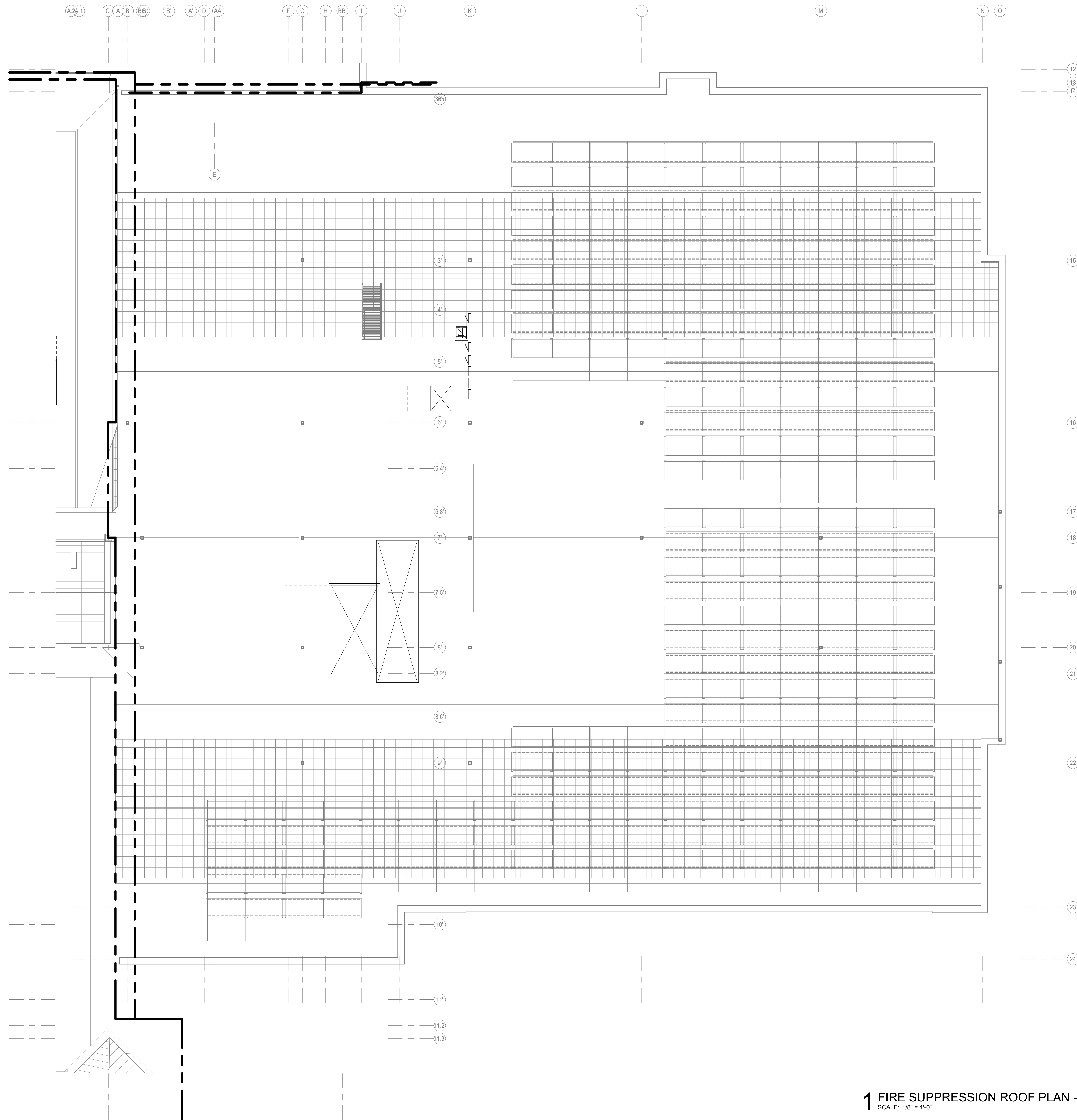
DATE ISSUED: 12/16/2023
 REV. NO. DATE

IN ASSOCIATION WITH:

SNYDER & ASSOCIATES

DESIGN ENGINEERS

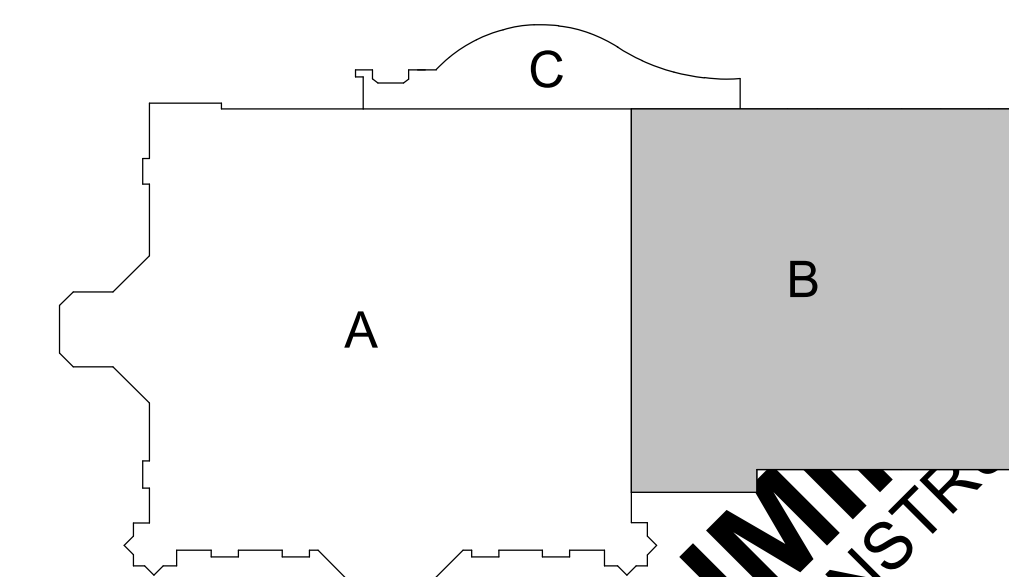
FEH DESIGN
 DES MOINES, IA (515) 288-2000
 DUBUQUE, IA (663) 583-4500
 SIOUX CITY, IA (712) 252-3889
 OCONOMOWOC, WI (262) 988-2055



KEYED NOTES

NEW WORK KEY
 — EXISTING
 — NEW / REVISED

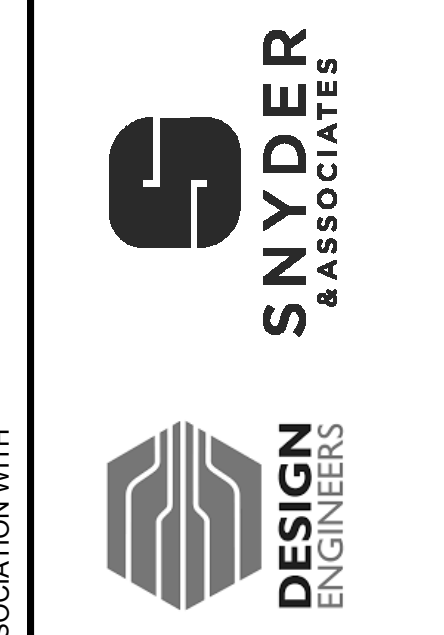
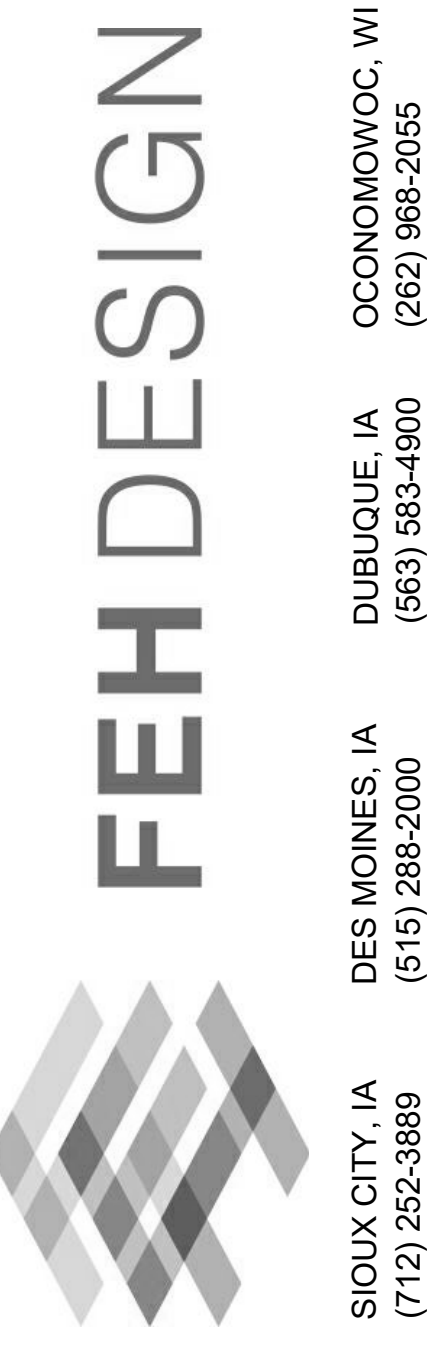
SPRINKLER HEAD NEW WORK KEY PLAN
 ● NEW/REVISED
 ○ EXISTING TO REMAIN



1 FIRE SUPPRESSION ROOF PLAN - AREA B
 SCALE: 1/8" = 1'-0"

KEY PLAN

PRELIMINARY
 NOT FOR CONSTRUCTION



IN ASSOCIATION WITH
 SHEET TITLE
FIRE SUPPRESSION ROOF PLAN - AREA B

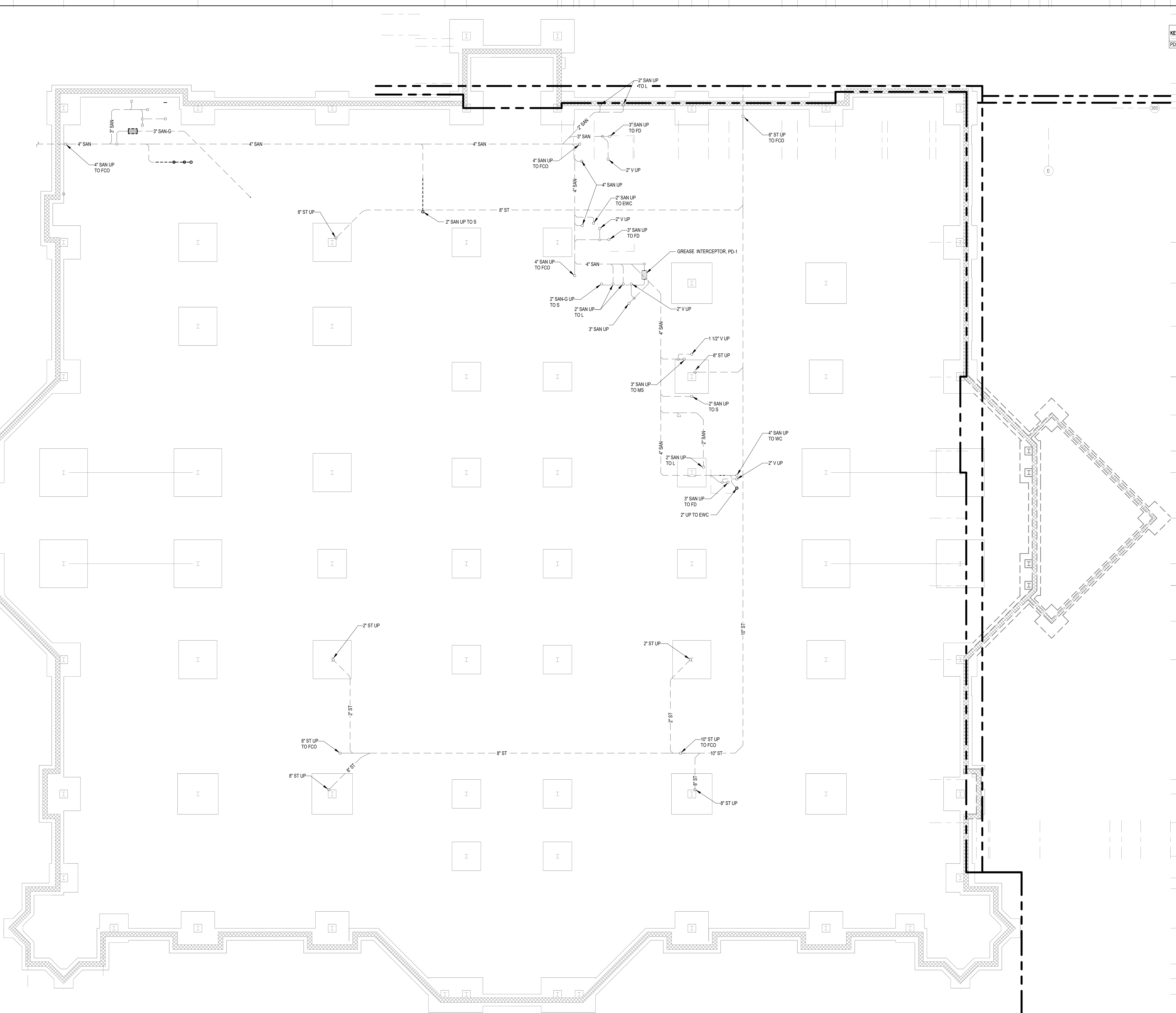
PROJECT TITLE
**CITY OF SUN PRAIRIE
 SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
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SHEET
FX2.2

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 DUBUQUE, IA (663) 583-4500
 OCONOMOWOC, WI (262) 988-2055



KEYED NOTES	
PD-1	EXISTING TO REMAIN

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

PRELIMINARY
 NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

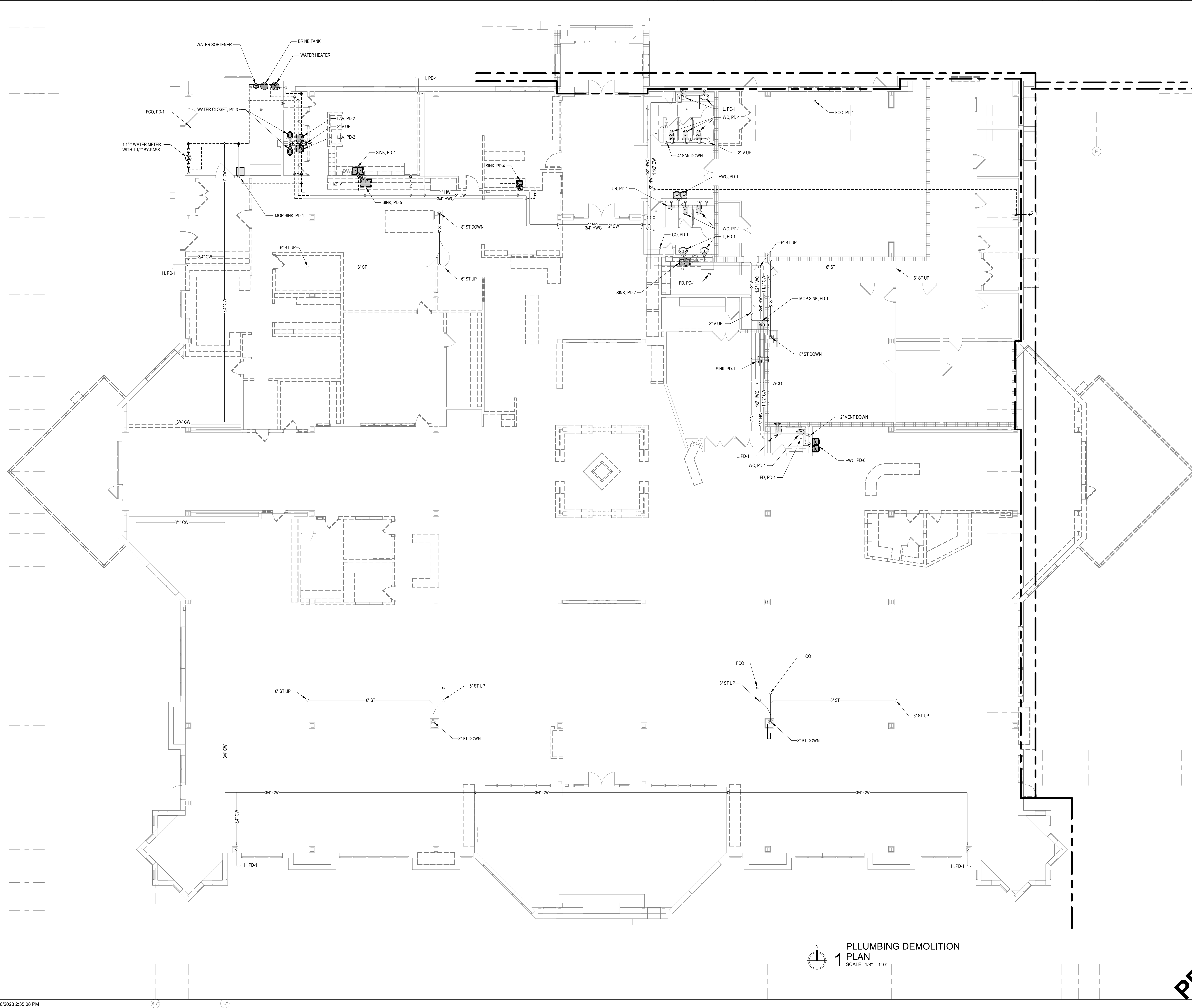
PROJECT NUMBER: 2023402

SHEET: **PD0.1**

DATE ISSUED: 12/16/2023
 REV. NO. DATE

IN ASSOCIATION WITH:
SNYDER & ASSOCIATES
DESIGN ENGINEERS

FEH DESIGN
 DES MOINES, IA (515) 288-2000
 DUBUQUE, IA (563) 983-4600
 SIOUX CITY, IA (712) 252-3889
 OCONOMOWOC, WI (262) 968-2055



KEYED NOTES	
PD-1	EXISTING TO REMAIN.
PD-2	REMOVE EXISTING LAV AND ALL PIPING BACK TO ACTIVE MAINS OR BELOW FLOOR AND CAP. COORDINATE PATCHING WITH GC.
PD-3	REMOVE EXISTING WATER CLOSET AND ALL PIPING BACK TO ACTIVE MAINS OR BELOW FLOOR AND CAP. COORDINATE PATCHING WITH GC.
PD-4	REMOVE EXISTING SINK AND ALL PIPING BACK TO ACTIVE MAINS OR BELOW FLOOR AND CAP. COORDINATE PATCHING WITH GC.
PD-5	REMOVE EXISTING DUAL LEVEL WATER COOLER AND SAVE FOR REINSTALLATION IN NEW PLAN. REMOVE COLD WATER AND VENT PIPING BACK TO ACTIVE MAINS AND CAP. REMOVE SANITARY PIPING TO BELOW FLOOR AND CAP. COORDINATE WALL AND FLOOR PATCHING WITH GC.
PD-6	REMOVE EXISTING SINK AND ALL PIPING BACK TO ACTIVE MAINS OR BELOW FLOOR AND CAP. COORDINATE PATCHING WITH GC.
PD-7	REMOVE EXISTING SINK AND ALL PIPING BACK TO ACTIVE MAINS OR BELOW FLOOR AND CAP. COORDINATE PATCHING WITH GC.

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

PRELIMINARY
 NOT FOR CONSTRUCTION

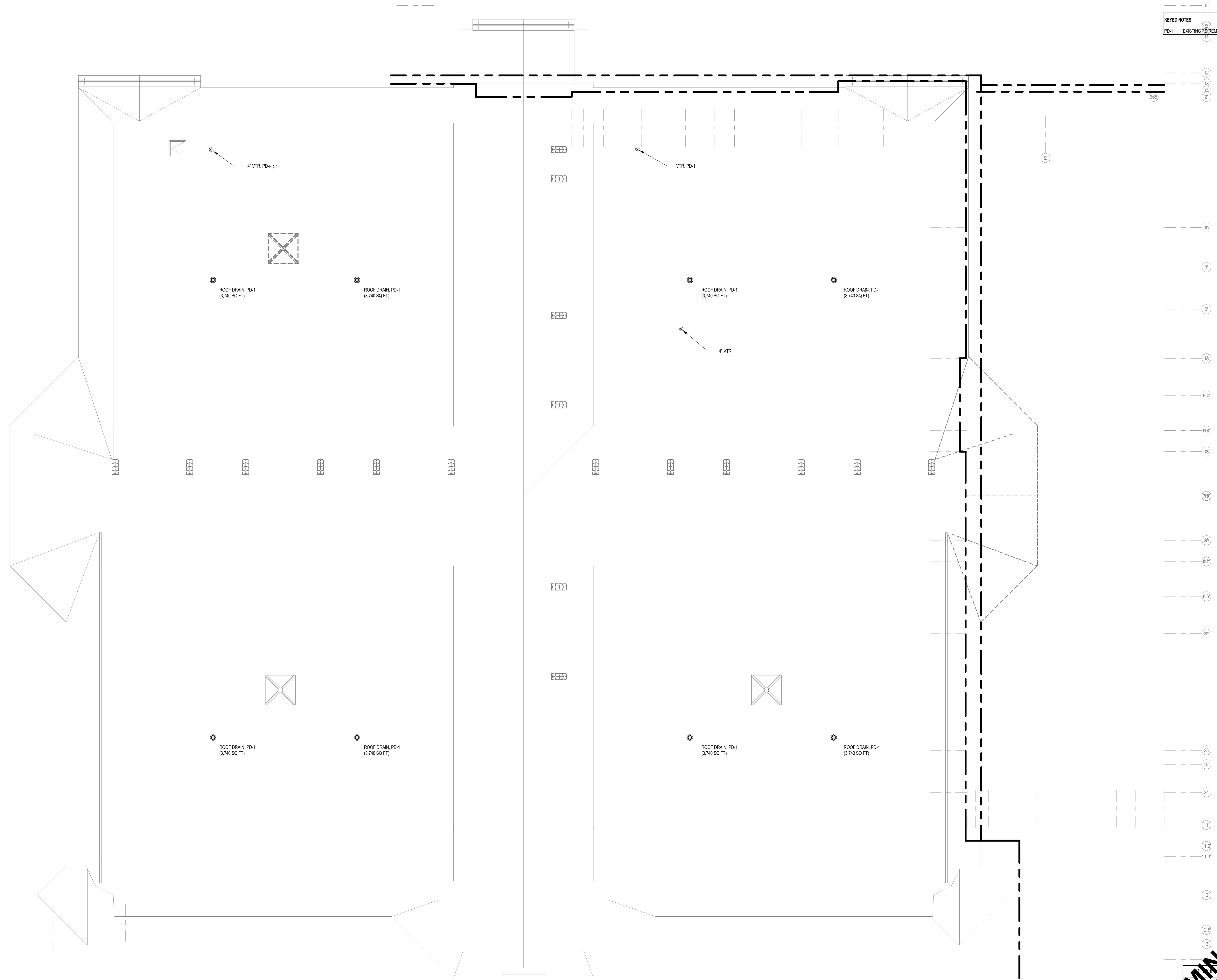
PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

PROJECT NUMBER: 2023402
 SHEET: PD1.1

DATE ISSUED: 12/16/2023
 REV. NO. 1
 DATE

DESIGN ASSOCIATION WITH:
SNYDER & ASSOCIATES
 DESIGN ENGINEERS

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 DES MOINES, IA (515) 288-2000
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1 ROOF-Plumbing Demo
SCALE: 1/8" = 1'-0"

PRELIMINARY
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REMOVED	REMAIN
TO BE REMOVED / REVISED	TO BE REMOVED / REVISED
EQUIPMENT TO REMAIN	EQUIPMENT TO REMAIN
EQUIPMENT TO BE REMOVED / REVISED	EQUIPMENT TO BE REMOVED / REVISED

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SHEET TITLE
DEMOLITION ROOF PLUMBING PLAN

PROJECT TITLE
**CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
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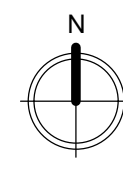
DATE ISSUED 12/16/2023
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PD2.1



KEYED NOTES



1 UNDERSLAB PLAN - AREA A
SCALE: 1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

REVISION	DATE	DESCRIPTION
1		ISSUED FOR PERMIT
2		REVISION
3		EQUIPMENT TO REMAIN
4		EQUIPMENT TO BE REMOVED / REVISED

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
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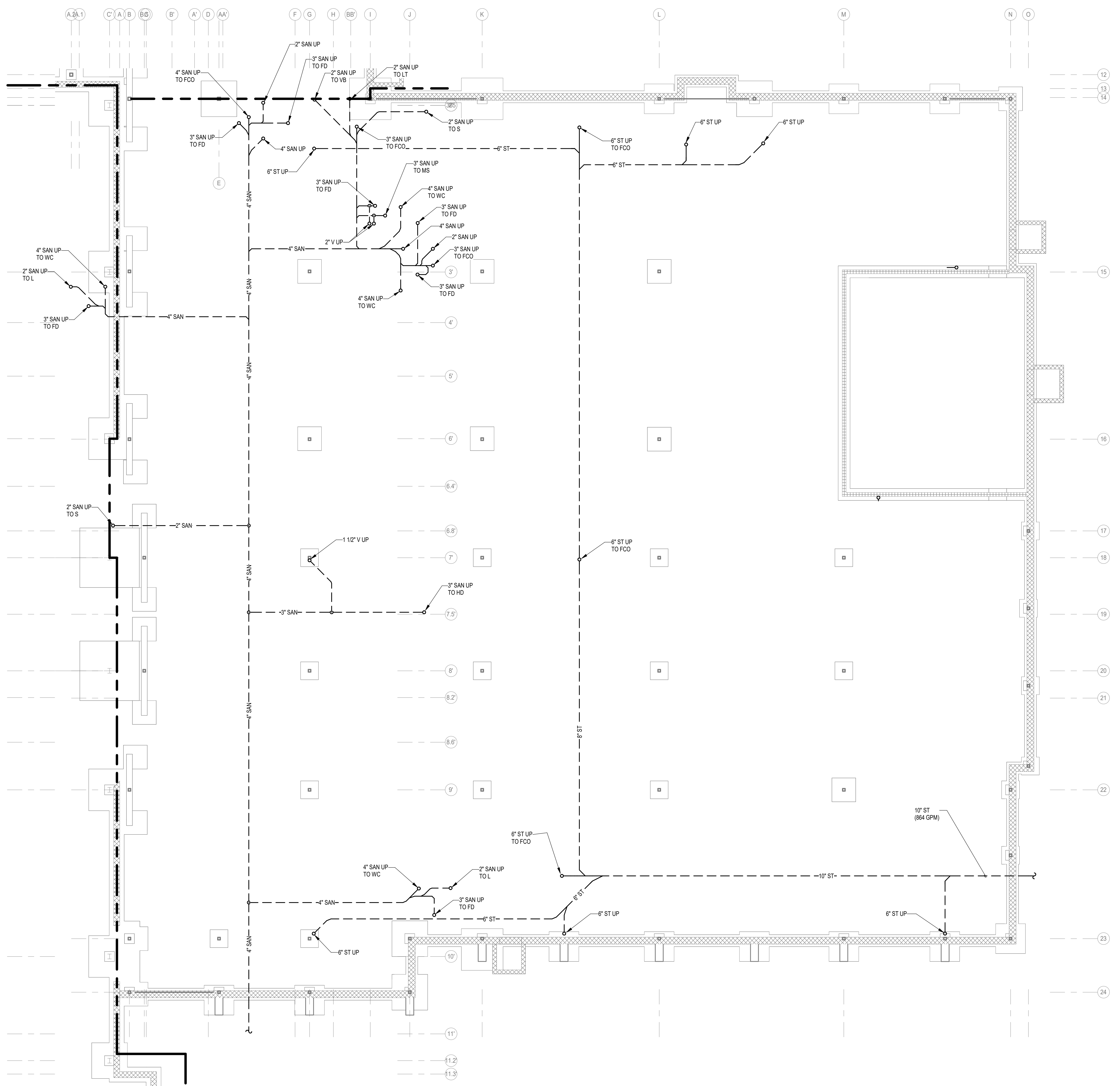
SHEET: **P0.2**

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KEYED NOTES

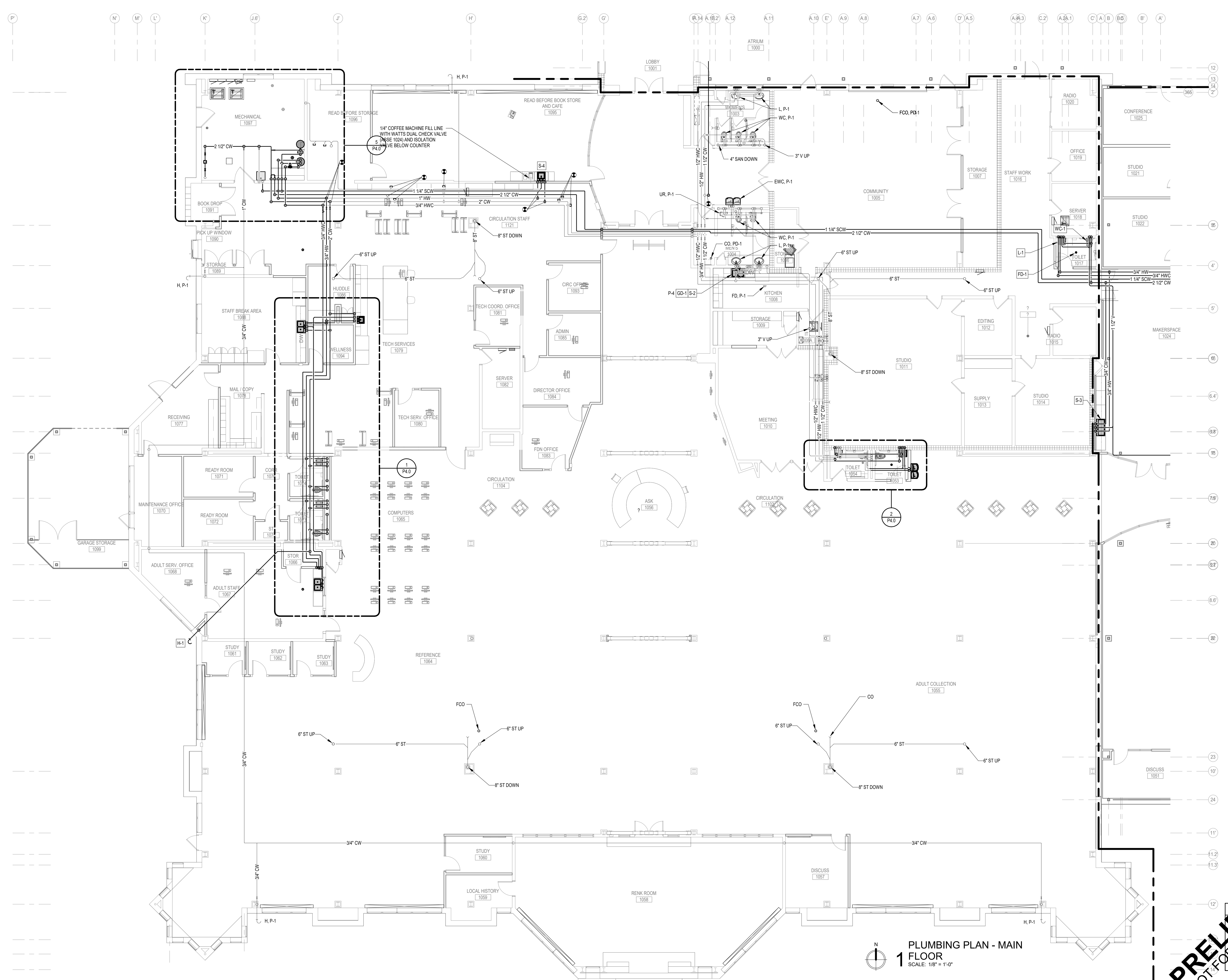


1 UNDERSLAB PLUMBING
 PLAN - AREA B
 SCALE: 1/8" = 1'-0"

PRELIMINARY
 NOT FOR CONSTRUCTION

REVISION	DATE
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KEYED NOTES	
P-4	use CAPS key



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

PRELIMINARY
NOT FOR CONSTRUCTION

SYMBOL	DESCRIPTION
(Solid line)	NEW / REVISED EQUIPMENT
(Dashed line)	EXISTING EQUIPMENT
(Dotted line)	NEW / REVISED EQUIPMENT

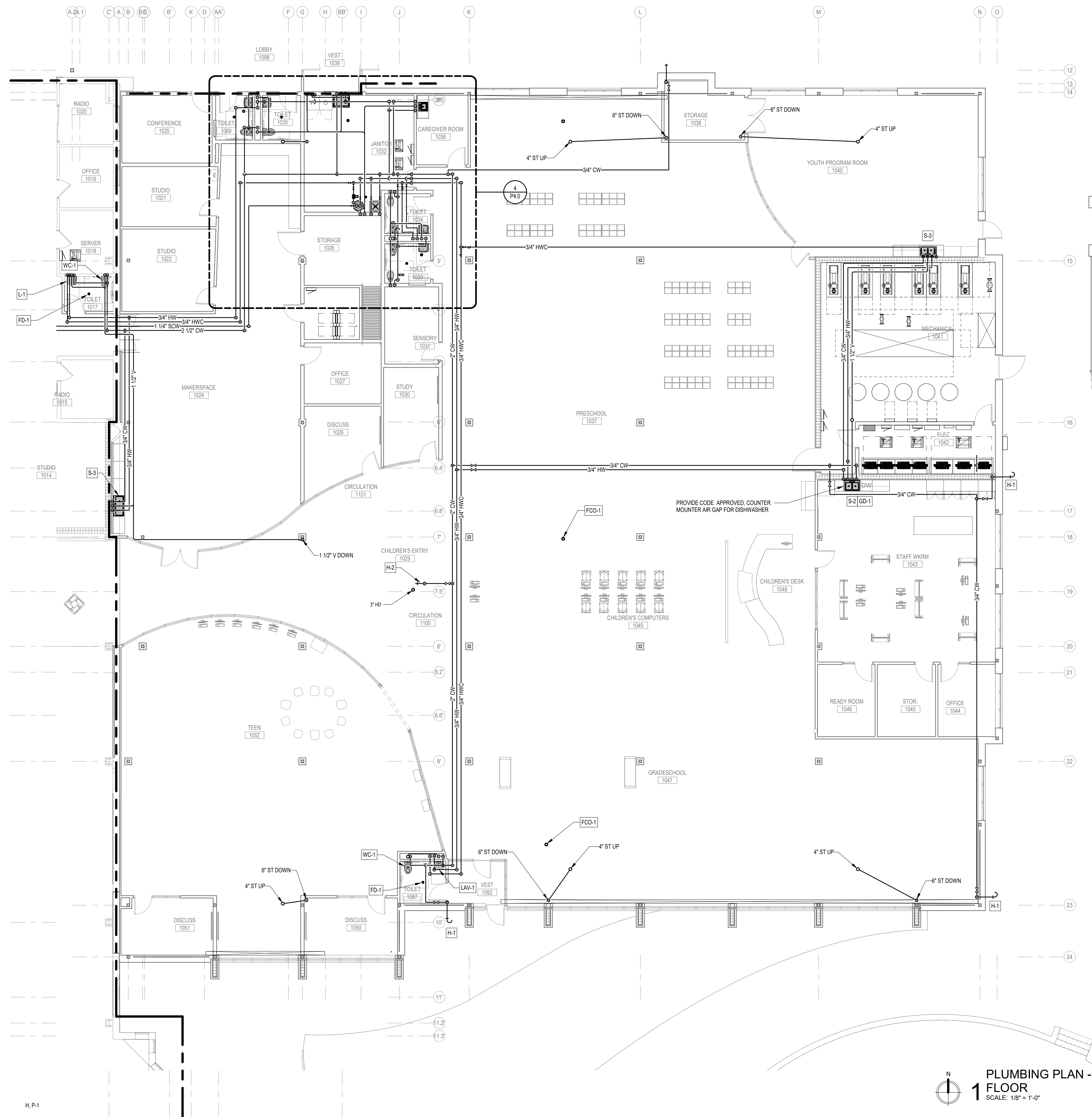
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DESIGN ENGINEERS
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IN ASSOCIATION WITH

SHEET TITLE
PLUMBING PLAN - AREA A

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
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PLUMBING PLAN - MAIN FLOOR
SCALE: 1/8" = 1'-0"

KEYED NOTES

PRELIMINARY
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NEW / REVISED
EXISTING EQUIPMENT
NEW / REVISED EQUIPMENT

PROJECT TITLE: CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY REMODEL AND ADDITION
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

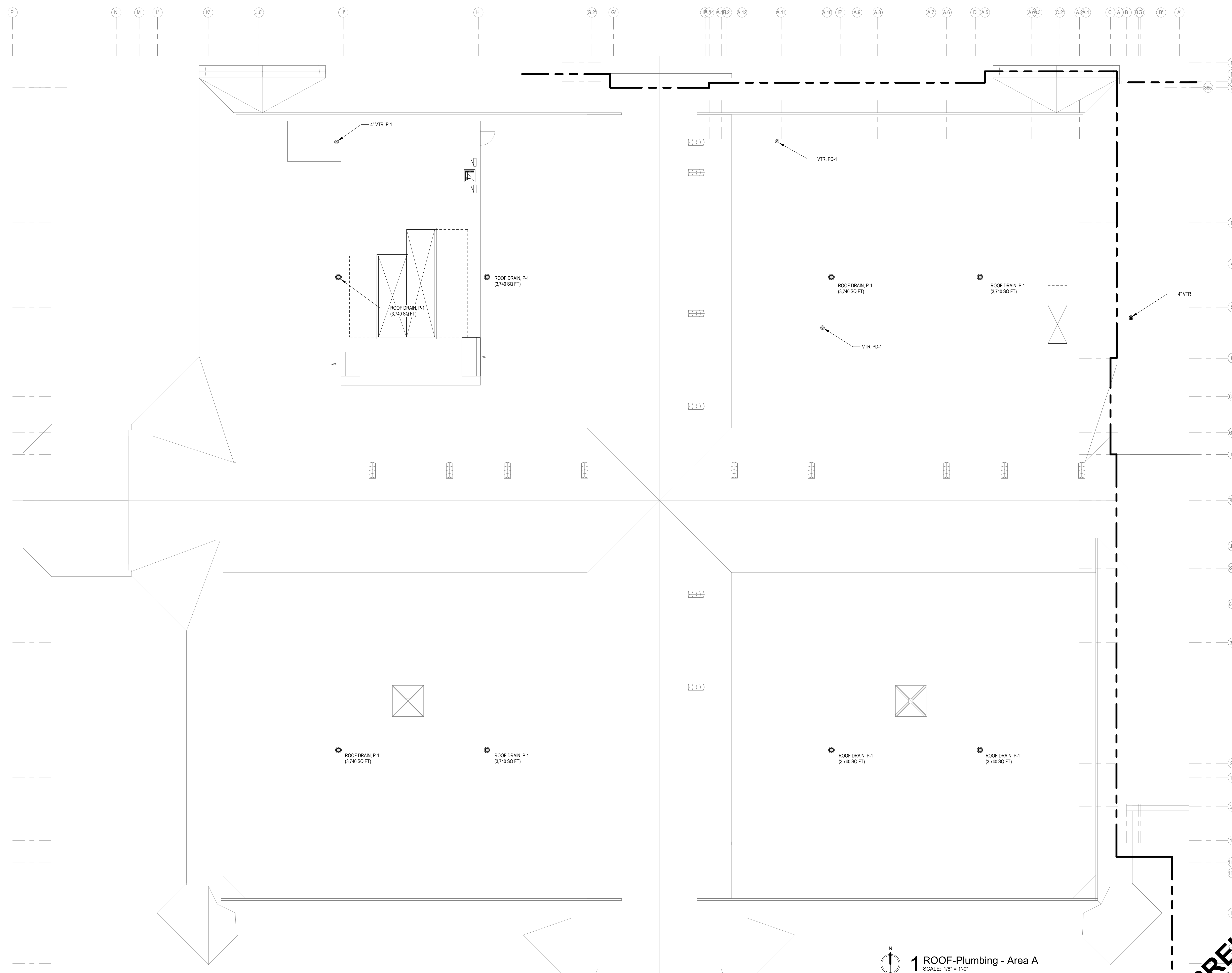
PROJECT NUMBER: 2023402
 SHEET: P1.3

DATE ISSUED: 12/16/2023
 REV. NO.: DATE

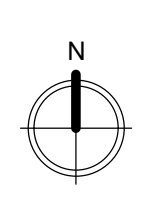
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SHEET TITLE: PLUMBING PLAN - AREA B



KEYED NOTES



1 ROOF-Plumbing - Area A
SCALE: 1/8" = 1'-0"

	NEW / REVISED EQUIPMENT
	EXISTING EQUIPMENT
	NEW / REVISED EQUIPMENT
	EXISTING EQUIPMENT

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PROJECT TITLE: CITY OF SUN PRAIRIE
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 1350 LINNERUD DRIVE
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PROJECT NUMBER: 2023402
 SHEET: **P2.2**

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KEYED NOTES

1 ROOF-Plumbing - Area B
 SCALE: 1/8" = 1'-0"

PRELIMINARY
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NEW / REVISED EQUIPMENT
EXISTING EQUIPMENT
NEW / REVISED EQUIPMENT
EXISTING EQUIPMENT

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

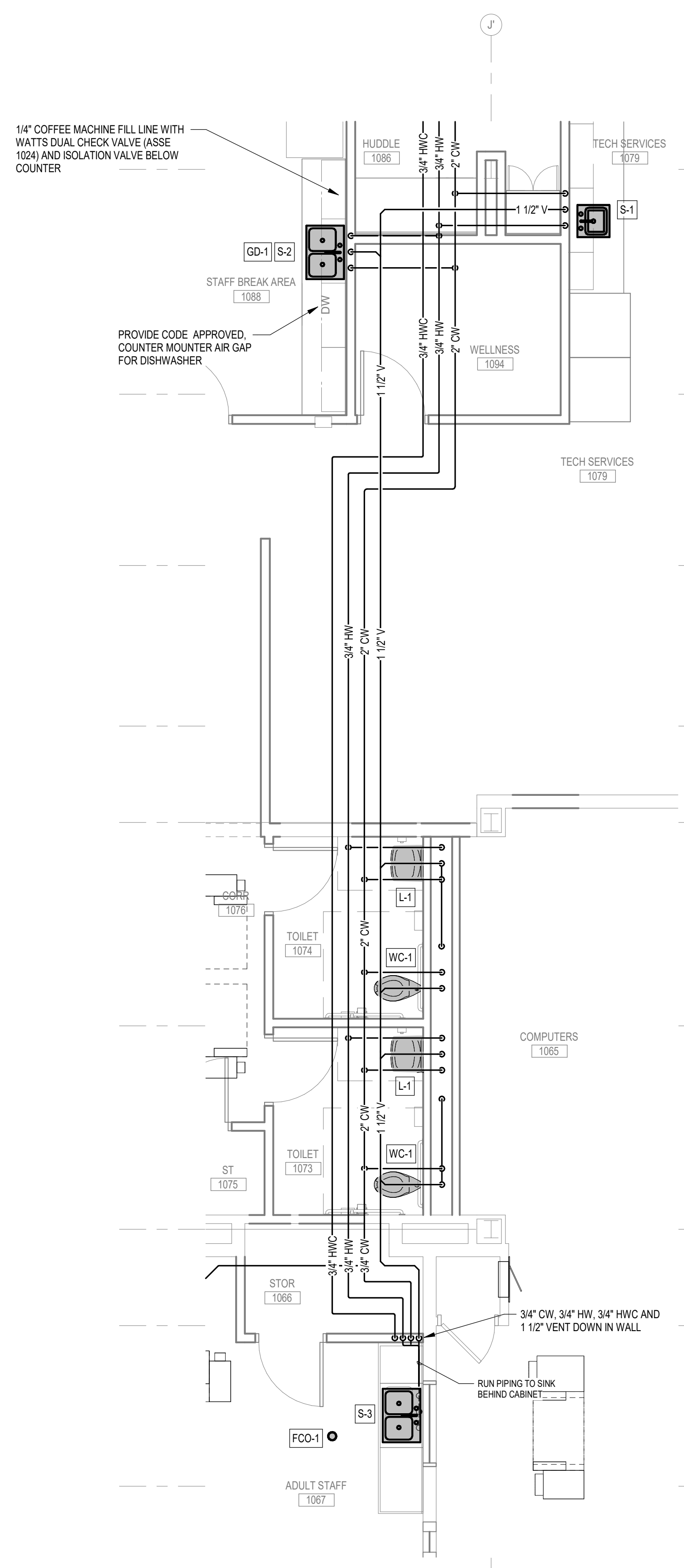
DATE ISSUED: 12/16/2023
 REV. NO. DATE

PROJECT NUMBER: 2023402
 SHEET: P2.3

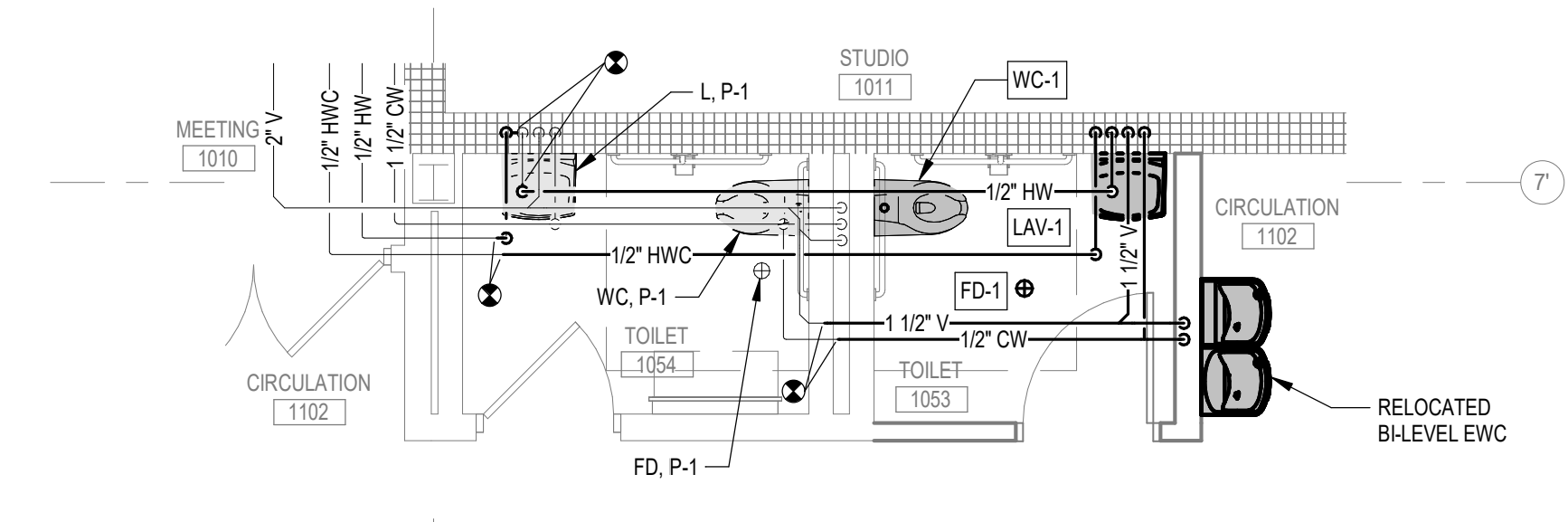
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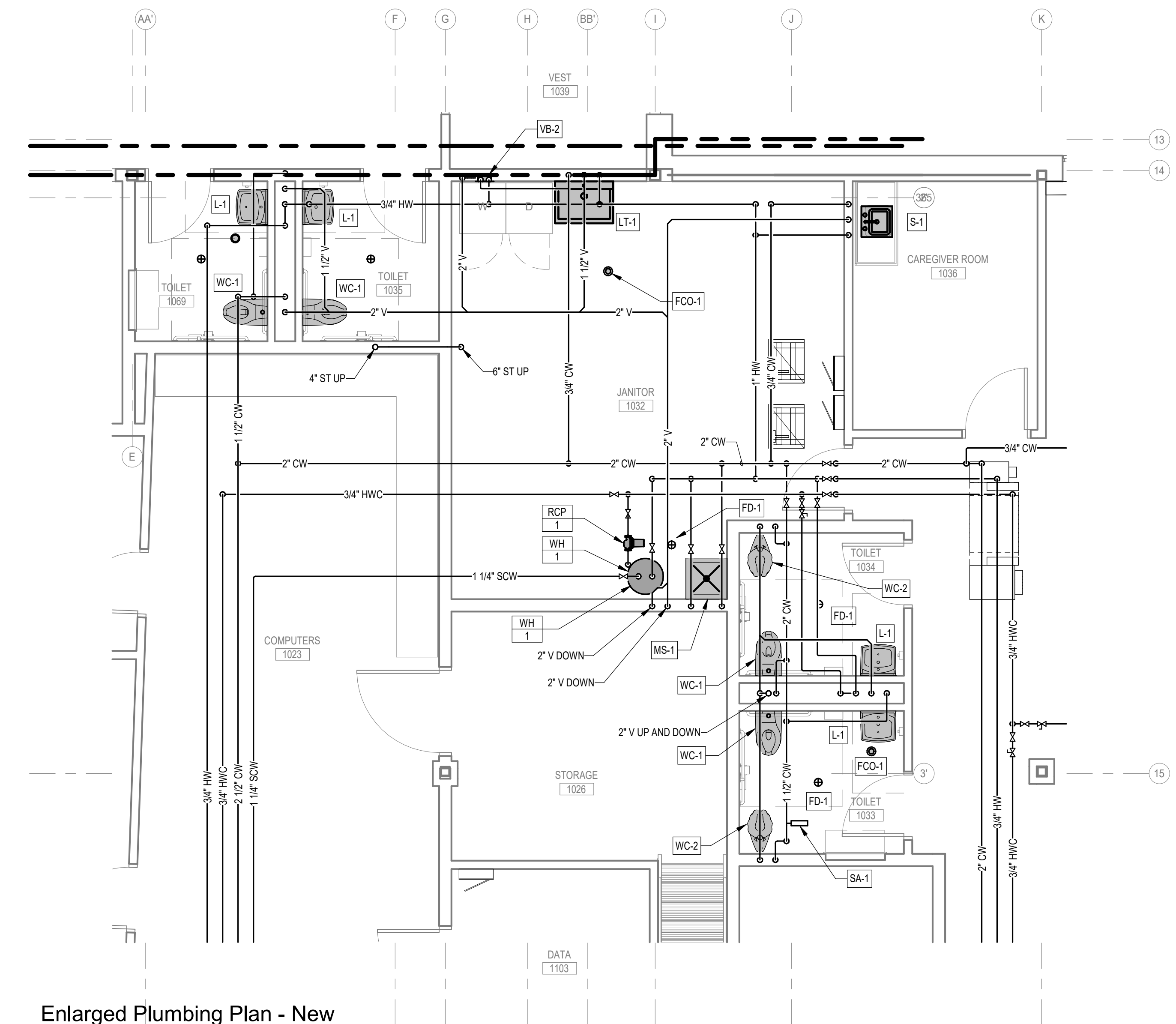
KEYED NOTES	
P-1	EXISTING TO REMAIN.



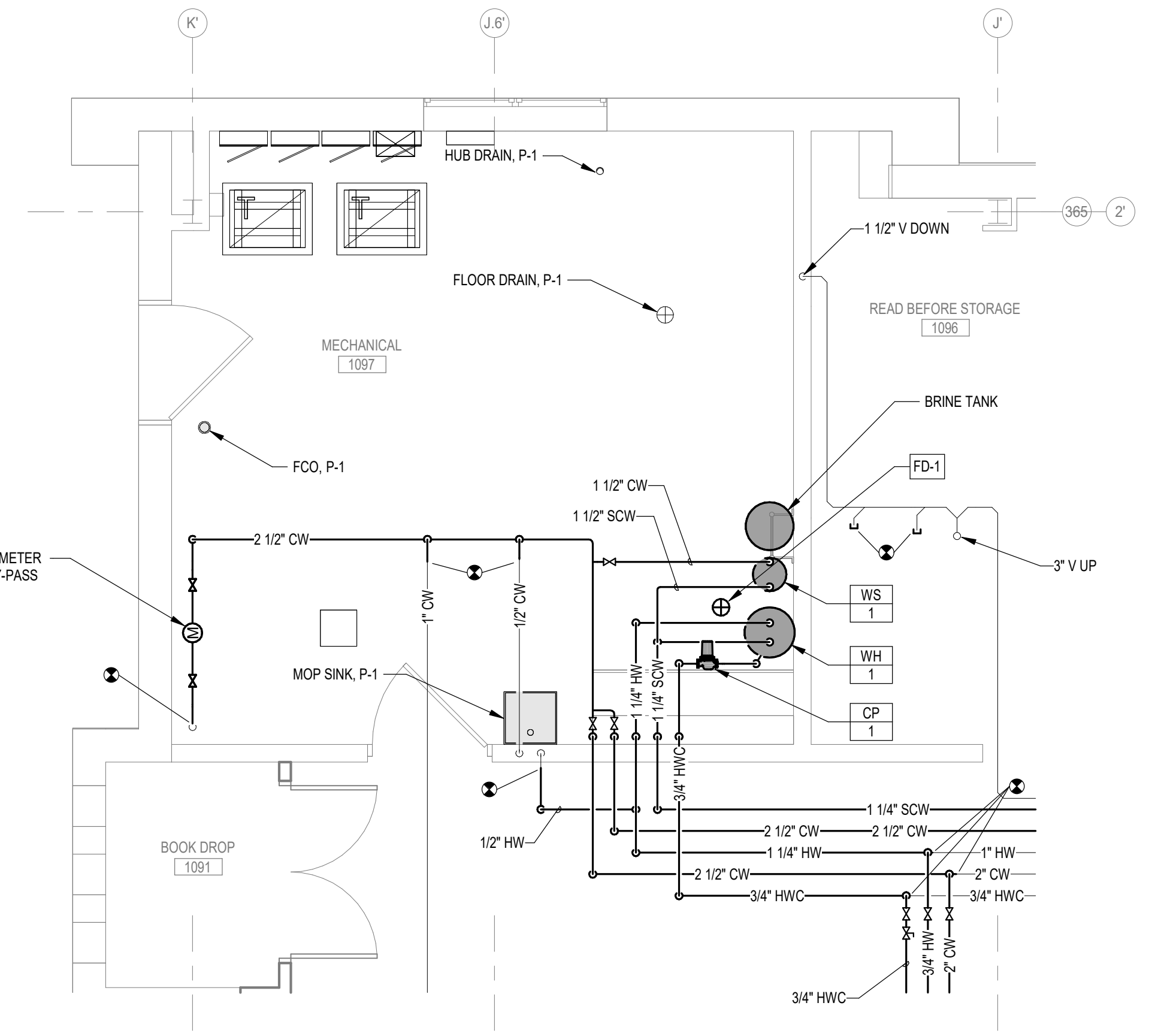
1 Enlarged Plumbing Plan - East Side Staff Area
SCALE: 1/4" = 1'-0"



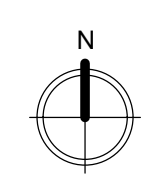
2 Enlarged Plumbing Plan - Toilets 1053/1054
SCALE: 1/4" = 1'-0"



4 Enlarged Plumbing Plan - New Addition Janitor 1032/Caregiver1036 Area
SCALE: 1/4" = 1'-0"



5 Enlarged Plumbing Plan - Mechanical 1097
SCALE: 1/4" = 1'-0"



PRELIMINARY
NOT FOR CONSTRUCTION

NEW / REVISED
EXISTING EQUIPMENT
NEW / REVISED EQUIPMENT

SHEET TITLE
ENLARGED PLUMBING PLANS

PROJECT TITLE
CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
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PLUMBING FIXTURE SCHEDULE						
Base Fixture	Details	Trim	Water Usage	Accessories / Notes	Color	
Specification Section 22 1116						
SA-1	Sioux Chief Hydra-Restor 653-B	3/4" size				
Specification Section 22 1316						
FD-1	Watts Series FD-200-A floor drain	Round 6" nickel bronze strainer				
FCO-1	Watts CO-200-R floor cleanout	round nickel bronze top with gasketed brass cleanout plug				
WCO-1	Watts CO-380-RD wall cleanout with access cover	two-piece expandable cleanout plug with vandalproof stainless steel access cover				
Specification Section 22 1413						
DSN-1	Watts RD-940 downspout nozzle	nickel bronze with anchor flange				
ORD-1	Zurn ZC100-DR-GC-W2	Dura coated cast iron body Cast iron dome with 2" dam		With underdeck clamp		See plans for size
RD-1	Zurn ZC100-DR-GC	Dura coated cast iron body Cast iron dome		With underdeck clamp		See plans for size
Specification Section 22 4000						
GD-1	In-Sink-Erator Evolution Essential XTR garbage disposer	black grey enamel 3/4 HP, 8.1 Amp		Includes power cord and sink top switch		
S-1	Elkay LRAD1918 19 x 19 x 5-1/2" deep ADA stainless steel sink	Single compartment Three hole punched	Chicago Faucet 786-AGN8AE3ABCP dual handle faucet with swing gooseneck spout and wristblade handles.	1.5 gpm	LK99 Basket strainer	Offset P-trap
S-2	Elkay LRAD3122565 31 x 22 x 6-1/2" deep ADA stainless steel sink	Single compartment Two hole punched	Chicago Faucet 434-ABCP single handle faucet with high arc pull down spray	1.5 gpm	LK99 Basket strainer	Offset P-trap
S-3	Elkay LRAD3319 33 x 19-1/2 x 5-1/2" deep ADA stainless steel sink	Double compartment single hole center punched	Chicago Faucet 430-ABCP single handle faucet with swing gooseneck spout	1.5 gpm	LK99 Basket strainer	Offset P-trap
S-4	Elkay LRAD312255 31 x 22 x 5-1/2" deep ADA stainless steel sink	Single compartment Three hole punched	Chicago Faucet 786-AGN8AE3ABCP dual handle faucet with swing gooseneck spout and wristblade handles.	1.5 gpm	LK99 Basket strainer	Offset P-trap
LT-1	Mustee 18W Ulatub laundry tray	single compartment, wall hung, molded stone.	Chicago Faucet 895-317A-BCP faucet No. 317 wrist blade handles gooseneck spout		P-trap	Angle supplies with stops
L-1	Kohler K-2007 Kingston vitreous china lavatory	Wall hung, single hole, drilled for concealed arm carrier	Sloan EAF-300 Optima hard-wired sensor faucet. Above deck mounted faucet, single hole	0.5 gpm	Open grid strainer, P-trap, angle supplies with stops, insulate all exposed piping	For lavatories
T-1	Sloan ETF-248-40 transformer	120 V input, 24V output				
WC-1	Kohler Kingston Ultra K-84325 vitreous china toilet	Elongated, wall hung ADA mounting height	Sloan Royal 111-1.28 manual flush valve	1.28 gpf	Open front seat, less cover, with check hinges. Heavy duty wall carrier. See architectural elevations for mounting height	White seat and fixture
WC-2	Kohler Primary K-96064 vitreous china toilet	Elongated, floor mount junior height	Sloan Royal 111-1.28 manual flush valve	1.28 gpf	Open front seat, less cover, with check hinges. Flange package with setting seal and bolt caps	White seat and fixture
VB-1	Guy Gray FRIB12ABSHA ice maker outlet box	1/2" sweat connection fire rated resin construction			Includes quarter turn valve and water hammer arrestors	
VB-2	Guy Gray FR12SSHA washing machine supply and drain box	top supplies, 2" drain fire rated resin construction			Includes single lever valve and water hammer arrestors	
MS-1	Fiat MSB-2424 24 x 24 x 10" molded-stone	With factory installed drain	Chicago Faucet 897-RCF faucet with vacuum breaker, 3/4" hose thread, pull hook, and wall brace.			
H-1	Woodford Model 67 wall hydrant	freezeless, automatic draining, and vacuum breaker				
H-2	Woodford Model 24 wall faucet	anti-siphon			Provide with loose metal key and wheel handle	
Specification Section 22 4700						
EW-1	Elkay LZSTL8WSLP EZH2O bottle filling station and bi-level ADA cooler	Wall mounted, bi-level, filtered 8 GPH. Chilling capacity of 8.0 GPH		P-trap, angle supply with stop		Light gray granite

NOTES:
 1. In general, refer to Architectural elevations for mounting heights of all fixtures. Contractor to confirm which fixtures are to comply with the requirements of ADA prior to rough-in of piping and install all piping and fixtures as required per ADA.
 2. All flush valves shall be roughed in to meet ADA requirements as if they are a manual valve, even where electronic valves are specified.

ITEM NO.	DESCRIPTION OF PLUMBING FIXTURE	CONNECTIONS			
		CW	HW	WASTE	VENT
EW-1	Electric Water Cooler	1/2"	-	1 1/4"	1 1/4"
FD-1	Floor Drain (Note 2)	-	-	3"	2"
L-1	Lavatory	1/2"	1/2"	1 1/2"	1 1/2"
S-1,2,3,4	Sink	1/2"	1/2"	2"	1 1/2"
LT-1	Laundry Tub	3/4"	3/4"	1 1/2"	1 1/2"
MS-1	Mop Sink	1/2"	1/2"	3"	1 1/2"
VB-1	Ice Box	1/2"	-	-	-
VB-2	Washer Box	1/2"	1/2"	2"	1 1/2"
H-1,2	Wall Hydrant/Hose Bibb	3/4"	-	-	-
WC-1,2	Water Closet	1"	-	4"	2"

NOTES:
 1. CW and HW supply piping to be a minimum of 3/4", where smaller connection size is scheduled, reduction in pipe size to be made within 10 feet of fixture.
 2. Floor drain connections to be as scheduled unless noted otherwise on plans.

PLUMBING EXPANSION TANK SCHEDULE							
PLAN MARK	LOCATION	SYSTEM	SIZE DIA x HT	TANK VOL GALLONS	ACCEPT VOL GALLONS	MANUFACTURER AND MODEL NO.	NOTES
ET-1	-	GWH-1	12 x 18	6.4	3.2	Amitrol Thermxtrol ST-12C	1.2

NOTES:
 1. System sizing based on 60 psi supply inlet pressure, 125 psi max. expansion tank pressure, 125 psi relief valve setting.
 2. Set tank pre-charge setting equal to domestic water supply inlet pressure prior to installation.

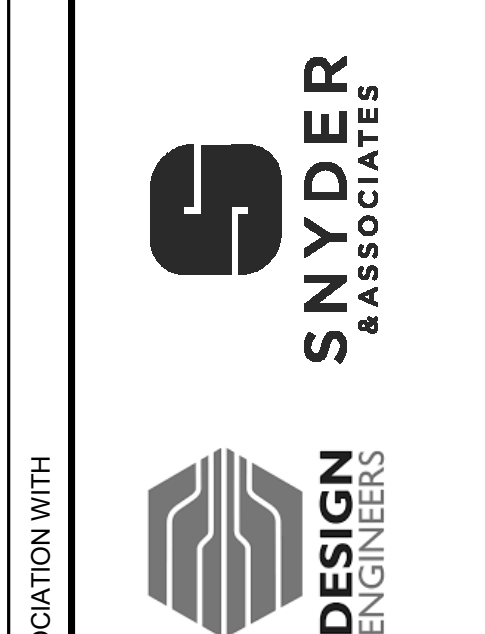
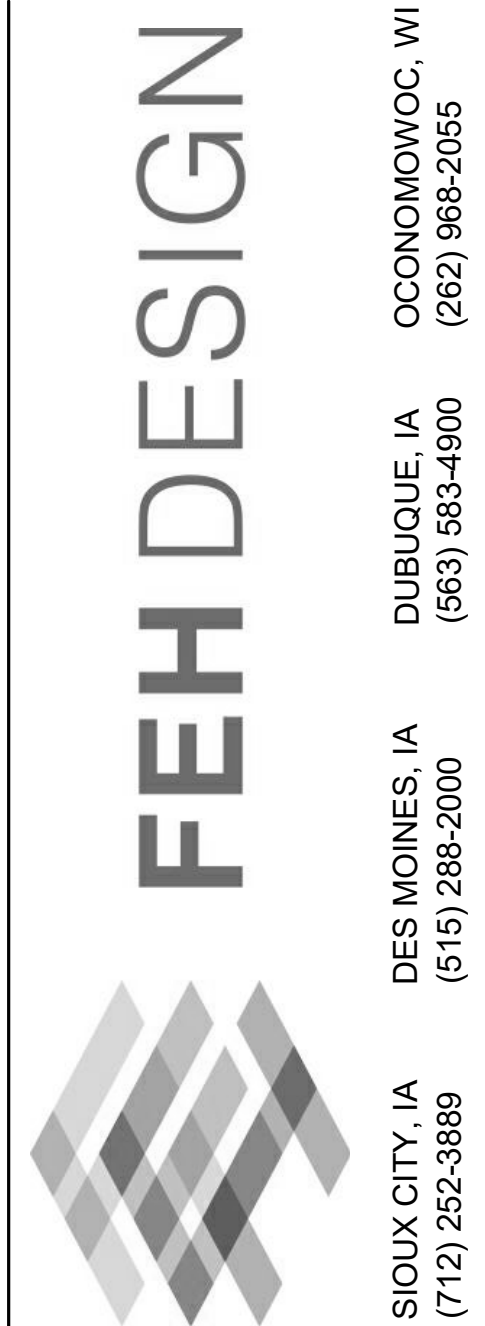
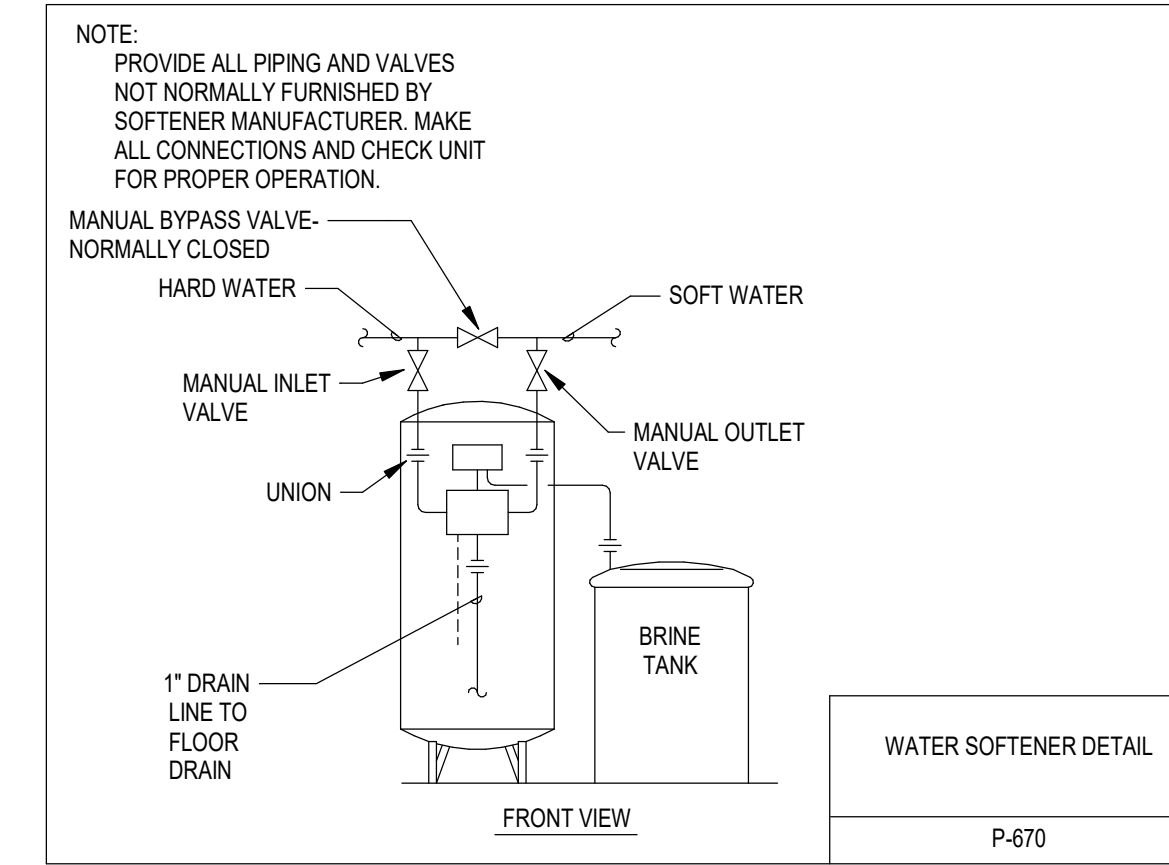
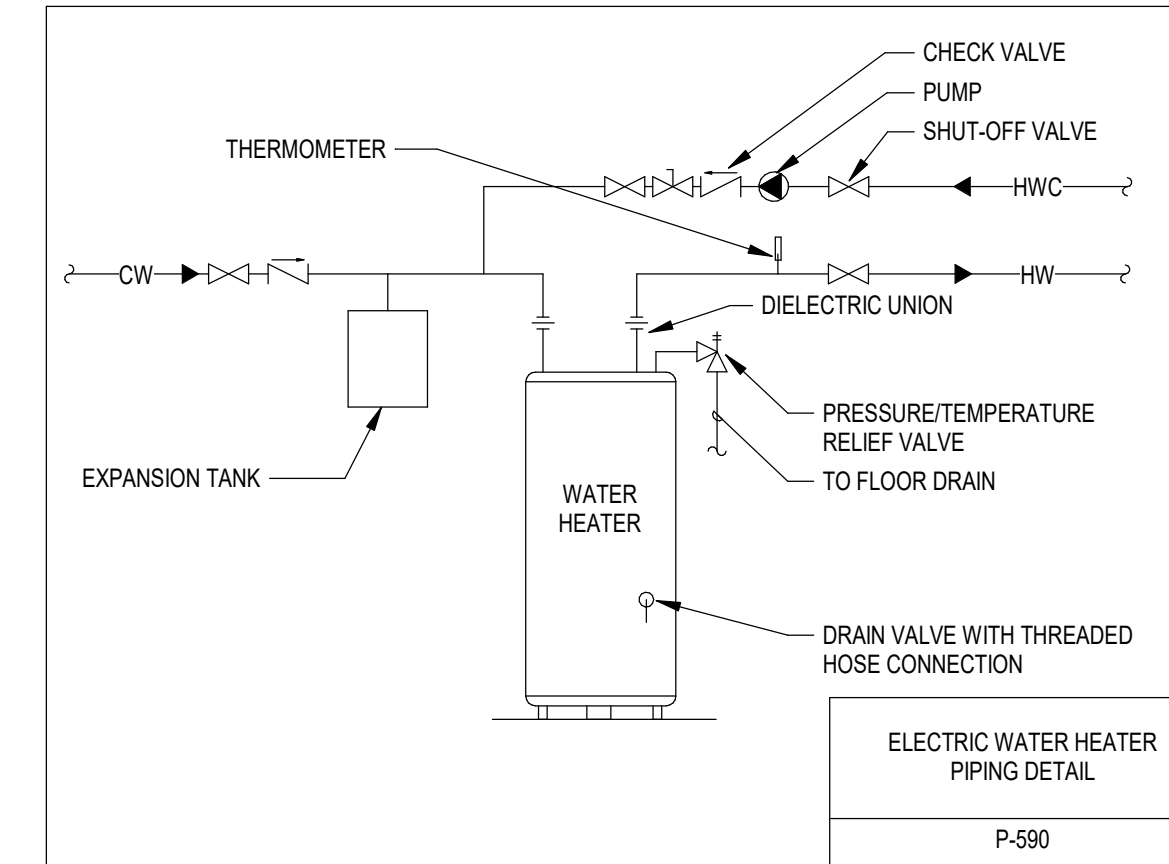
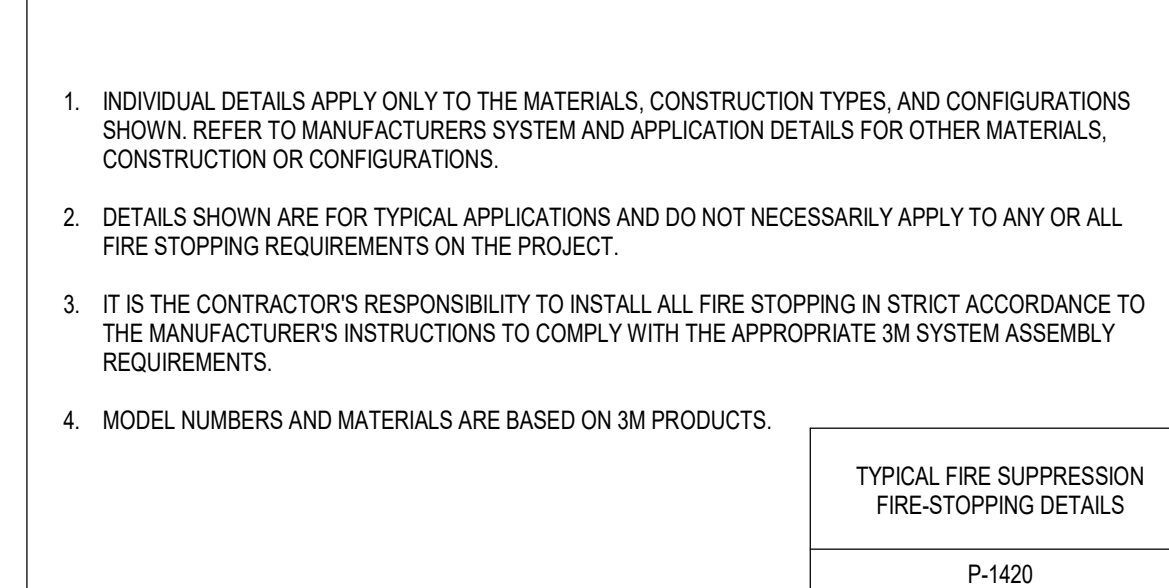
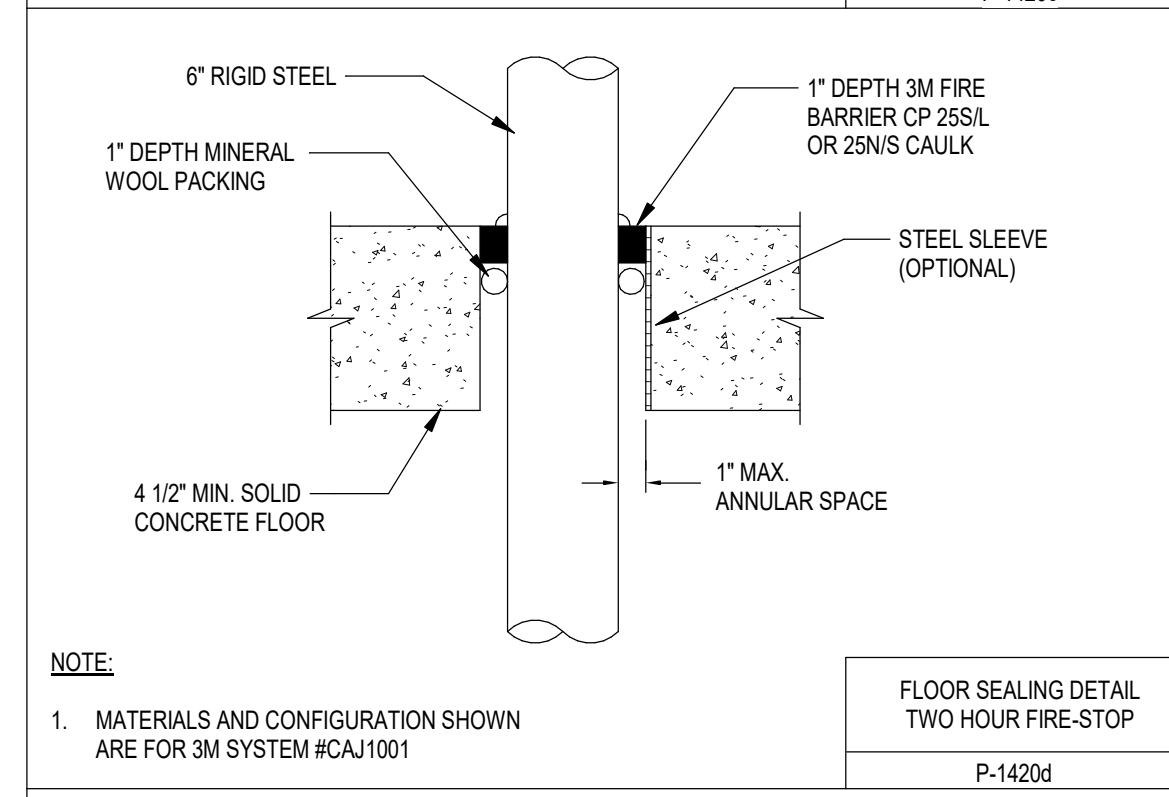
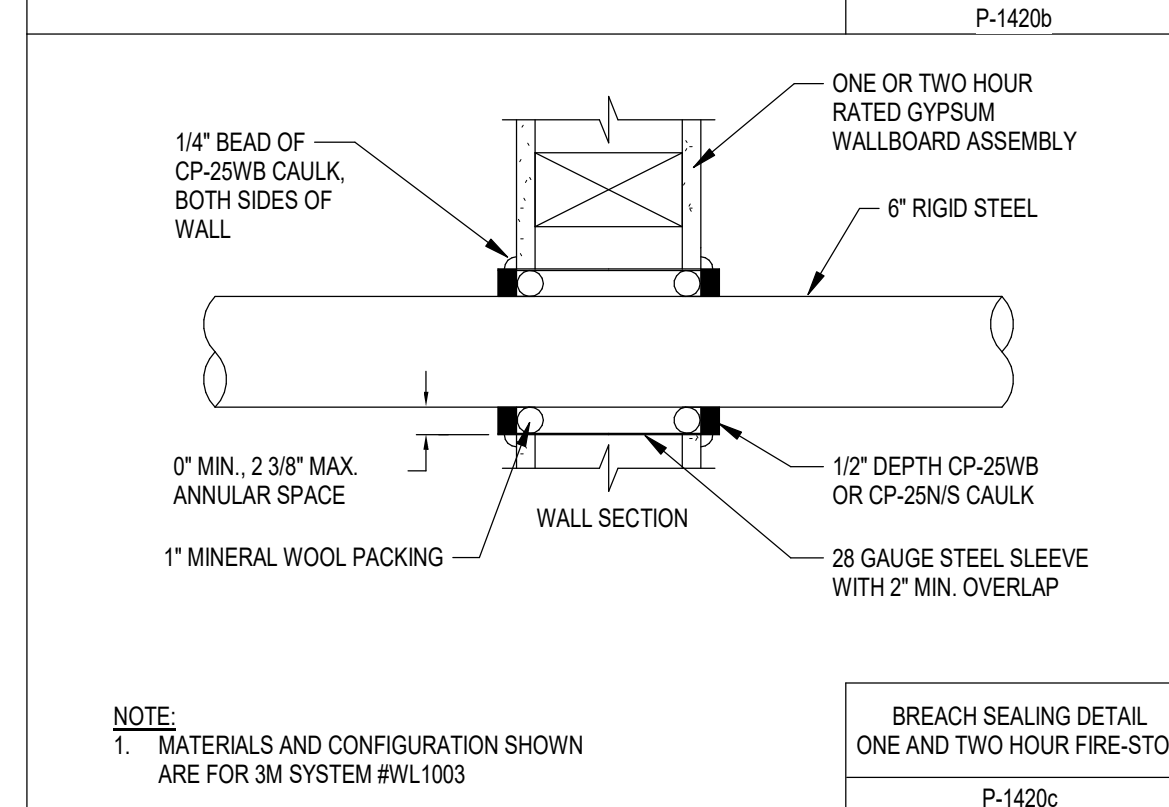
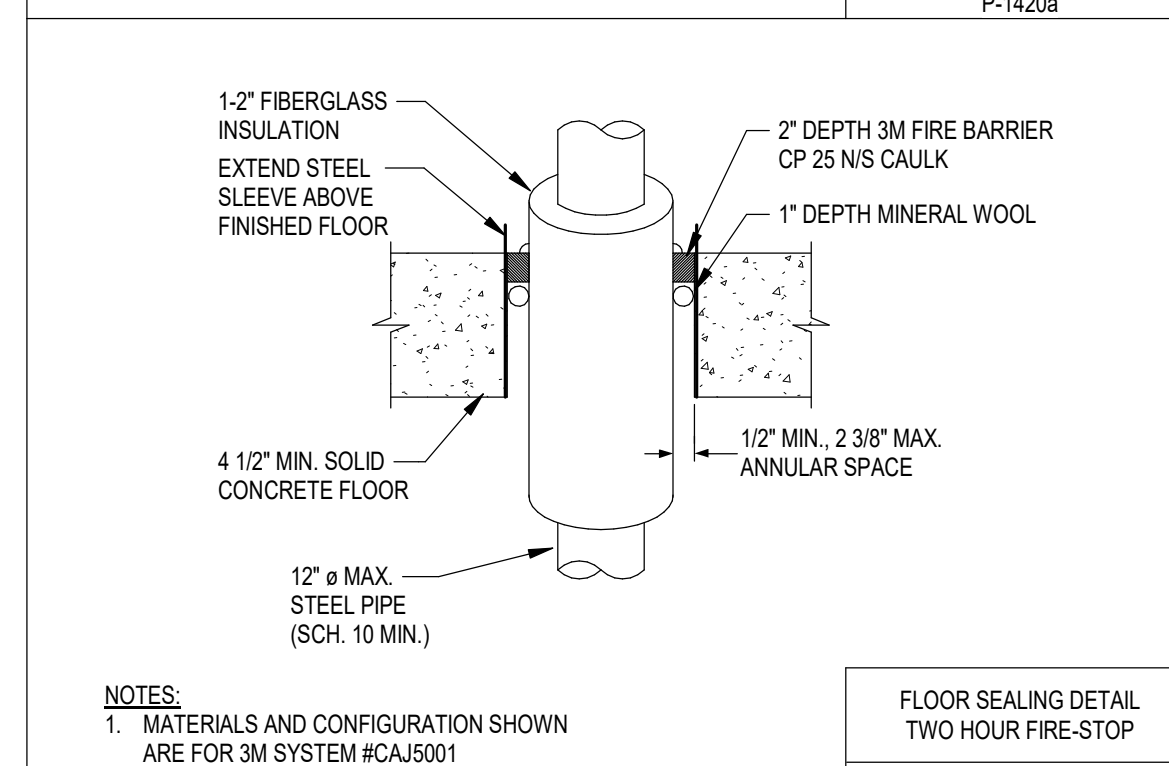
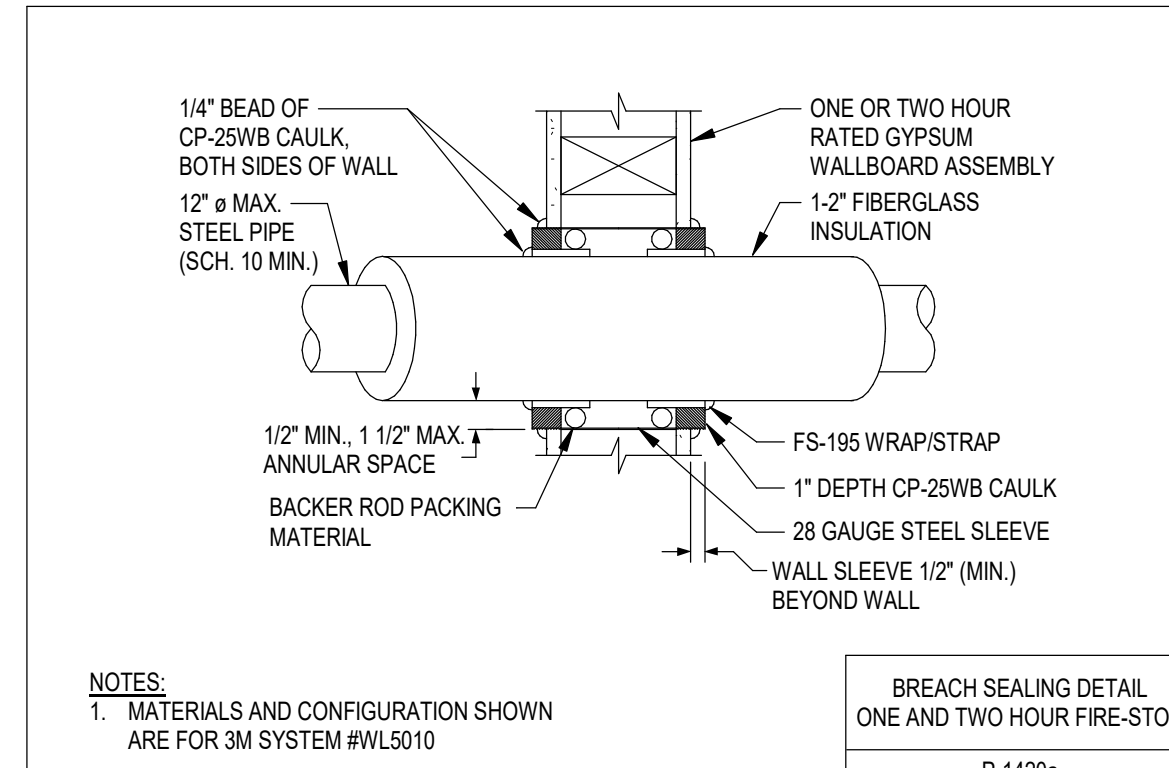
PLAN MARK	GPM	HEAD FT.	WATER TEMP.	SIZE SUCT x DISCH	RPM	MOTOR			MANUFACTURER & MODEL NO.	SERVICE
						HP	VOLTS	PH		
CP-1	3	26		3/4" x 3/4"	3300	1/6	120	1	Bell & Gossett Series PL - Bronze	DWH Recirculating

ELECTRIC WATER HEATER SCHEDULE										
PLAN MARK	STORAGE GALLONS	RECOVERY	TEMP RISE DEG. F.	POWER INPUT 240V	ELECTRIC SUPPLY 18KW	MANUFACTURER	MODEL	NOTES		
WH-1	80	74	100	240V	18KW	BRADFORD-WHITE	E32-80R-3			

NOTES:
 1.

WATER SOFTENER SCHEDULE													
PLAN MARK	CAPACITY (GRAINS PER LBS SALT)	SERVICE FLOW RATE PER TANK				RESIN CONTINUOUS		PIPE		SOFTENER TANK	BRINE TANK	MANUFACTURER & MODEL NUMBER	NOTES
		GPM FLOW	PSI DROP	GPM FLOW	PSI DROP	SIZE CUBIC FEET EA.	QTY/TANK	DIAMETER (IN.)	DIAMETER (IN.)				
WS-1	150,000 @ 75	76	25	59	15	2	7	18	24	Culligan CTM 150	1,2		

NOTES:
 1. Provide with bypass valve to be installed by Mechanical Contractor.
 2. Provide with Aquasensor option to trigger regeneration cycle based on usage of the resin and stopping the brine process as soon as saturation is detected; to reduce salt usage from base model by approximately 40%. Program per manufacturer recommendations to balance efficiency with capacity.



PLUMBING SCHEDULES AND DETAILS

CITY OF SUN PRAIRIE
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GENERAL PLUMBING DEMOLITION NOTES:

- REFER TO DEMOLITION KEY FOR ITEMS TO BE REMOVED VERSUS ITEMS TO REMAIN.
- SHUT DOWN OF EXISTING PLUMBING SYSTEMS TO BE REQUESTED AND COORDINATED THROUGH OWNER'S REPRESENTATIVE IN ACCORDANCE WITH DIVISION 00 AND 01 SPECIFICATIONS. DOWNTIME FOR ALL SYSTEMS SHALL BE MINIMIZED.
- SCHEDULE FOR ALL WORK IMPACTING ADJACENT OCCUPIED AREAS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE. WORK TO BE PERFORMED IN A MANNER THAT MINIMIZES THE INTERRUPTIONS AND INCONVENIENCE TO THE OWNER'S OCCUPANCY OF THESE SPACES.
- NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO CREATING ANY SMOKE, HEAT, MOISTURE, VAPORS OR DUST AROUND ANY FIRE ALARM EQUIPMENT.
- WHERE PIPING THROUGH A FLOOR OR A WALL IS REMOVED, PATCH ALL REMAINING HOLES TO MATCH EXISTING AND TO PROVIDE THE REQUIRED FIRE RATING.
- UNLESS SPECIFICALLY NOTED OTHERWISE, WHERE EQUIPMENT IS INDICATED TO BE REMOVED DEMOLITION WORK SHALL INCLUDE REMOVAL OF ASSOCIATED CONCRETE EQUIPMENT PAD AND/OR SUPPORT STEEL AND HANGERS.
- WHERE EXISTING PIPING TO BE REMOVED IS ROUTED IN AN EXISTING WALL OR FLOOR SLAB TO REMAIN, PIPING TO BE CAPED AND ABANDONED IN WALL OR FLOOR SLAB.
- FOR ALL WORK REQUIRED ABOVE EXISTING CEILINGS TO REMAIN, (EITHER WITHIN OR OUTSIDE THE PROJECT AREA) CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL CEILING TILE AS REQUIRED TO ACCOMPLISH THE WORK. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR TYPES AND EXTENT OF BOTH EXISTING AND NEW CEILINGS THROUGHOUT PROJECT.
- FOR EXISTING PIPING SHOWN TO BE REMOVED TO BELOW SLAB, SLAB TO BE CUT AND PIPING TO BE REMOVED TO BELOW SLAB AS REQUIRED. FLOOR TO THEN BE FINISHED AS REQUIRED TO PROVIDE FLUSH FINISH FOR FLOOR. PIPING SHOWN TO BE REMOVED BELOW SLAB MAY REMAIN ABANDONED IN PLACE EXCEPT WHERE REMOVAL IS REQUIRED TO FACILITATE THE ROUTING OF NEW PIPING.
- ALL WORK WILL BE COMPLETED IN MULTIPLE SEQUENCES. THE BUILDING WILL REMAIN OCCUPIED AND IN USE FOR THE DURATION OF CONSTRUCTION. REFER TO SEQUENCING PLANS, SPECIFICATIONS AND SEQUENCING NOTES FOR ADDITIONAL INFORMATION.

GENERAL PLUMBING NOTES:

- DRAWINGS ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK, AND TO INDICATE THE GENERAL LOCATIONS OF EQUIPMENT, PIPING AND DUCTWORK. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LAYOUT THEIR OWN WORK ACCORDING TO THE FOLLOWING GUIDELINES:
 - CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS FOR EQUIPMENT AND ROUGH-INS AND THE EXACT ROUTING OF PIPING PRIOR TO CONSTRUCTION SO AS TO BEST FIT THE LAYOUT OF THE WORK. SPACE ABOVE CEILINGS IS EXTREMELY LIMITED; COORDINATE FINAL LAYOUT WITH ALL TRADES.
 - WHERE OFFSETS IN PIPING ARE REQUIRED TO COORDINATE THE WORK OF OTHER TRADES, WITH STRUCTURE, PIPING, CONDUIT, DUCTWORK ETC. OR TO MAINTAIN REQUIRED CEILING HEIGHTS, THEY SHALL BE PROVIDED AT THE ADDITIONAL COST TO THE OWNER.
 - ALL EXISTING PIPING ROUTING SHOWN IS INTENDED TO INDICATE APPROXIMATE SIZE, NUMBER AND LOCATION OF PIPING BRANCHES FOR BIDDING PURPOSES ONLY. CONTRACTOR TO VERIFY EXACT SIZE, SERVICE LOCATION AND CONFIGURATION PRIOR TO CONSTRUCTION.
 - UNLESS OTHERWISE NOTED, ALL PIPING TO BE ROUTED CONCEALED IN WALLS, CHASES OR ABOVE SUSPENDED CEILING. WATER PIPING SHALL NOT BE ROUTED IN EXTERIOR WALLS. COORDINATE LAYOUT WITH EXISTING CONDITIONS AND ALL OTHER TRADES. ROUTE ALL PIPING AS HIGH AS POSSIBLE AND ALONG WALLS TO MAXIMIZE SPACE AVAILABLE FOR OTHER TRADES.
 - COORDINATE ROUTING OF PIPING TO MAINTAIN ACCESS TO FILTERS, MOTORS, ELECTRICAL EQUIPMENT AND CONTROLS. IN NO CASE SHALL PIPING PASS DIRECTLY OVER ELECTRICAL PANELS OR DISCONNECTS OR RESTRICT ACCESS TO ANY ELECTRICAL EQUIPMENT INCLUDING JUNCTION BOXES.
- COORDINATE EXACT STORM PIPE CONNECTIONS WITH ROOF DRAIN LOCATIONS SHOWN ON ARCHITECTURAL PLANS. SET ROOF DRAINS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ROOF DRAIN AND ROOF INSULATION DETAILS. NOTIFY THE DESIGN PROFESSIONAL BEFORE INSTALLATION PROCEEDS IF THERE ARE DISCREPANCIES.
- VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING SYSTEMS AND COMPONENTS REQUIRING CONNECTION TO NEW PIPING PRIOR TO COMMENCING WORK.
- CUT AND PATCH WALLS AND FLOORS AS REQUIRED FOR INSTALLATION OF NEW SYSTEMS
 - ALL OPENINGS IN CONCRETE OR MASONRY CONSTRUCTION SHALL BE CORE DRILLED OR SAW CUT, COORDINATE WITH STRUCTURE AND GENERAL CONTRACTOR AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY AND MINIMIZE SIZE OF OPENINGS.
 - SEAL AROUND ALL PIPING PENETRATIONS WITH NON-SHRINK GROUT OR SIMILAR MATERIAL WHERE PENETRATIONS ARE IN FIRE RATED CONSTRUCTION, PROVIDE FIRE STOP TO MATCH THE FIRE RATING. REFER TO ARCHITECTURAL PLANS FOR REQUIRED FIRE RATINGS. SEE DETAILS AND SPECIFICATIONS FOR FIRE STOPPING REQUIREMENTS.
 - PATCH AND FIRESTOP ALL ABANDONED EXISTING OPENINGS.
 - WHEN PATCHING OPENINGS IN AREAS WHICH ARE NOT TO RECEIVE NEW FINISHES, PATCHING SHALL MATCH ADJACENT FINISH.
 - REFER TO ARCHITECTURAL PLANS FOR INFORMATION ON WHICH PORTIONS OF THE EXISTING STRUCTURE ARE TO BE REMOVED AND WHICH ARE TO REMAIN AS WELL AS WHICH AREAS ARE TO RECEIVE NEW FINISHES.
- BECAUSE OF THE SCALE OF THE DRAWINGS, CERTAIN PIPING OR ITEMS SUCH AS UNIONS, FITTINGS, OR VALVES, OR CLEANOUTS MAY NOT BE SHOWN, BUT WHERE SUCH ITEMS ARE REQUIRED BY CODE, THE SPECIFICATIONS, OR WHERE THEY ARE REQUIRED BY THE NATURE OF THE WORK, THEY SHALL BE FURNISHED AND INSTALLED.
- UNLESS SPECIFICALLY SHOWN OTHERWISE, CLEANOUTS SHALL BE LOCATED IN WALLS. CLEANOUTS SHALL NOT BE LOCATED ABOVE CEILINGS. FOR CLEANOUTS THAT ARE REQUIRED, BUT NOT SHOWN ON PLANS, COORDINATE EXACT LOCATIONS WITH GENERAL CONTRACTOR AND DESIGN PROFESSIONAL PRIOR TO INSTALLATION. INSTALL CLEANOUTS IN WALL AT 37" AT F, OR AT 42" AT F, WHEN LOCATED BEHIND CABINETS OR WATER CLOSETS. CLEANOUT SHALL BE INSTALLED OFFSET FROM TOILET/JURINAL PARTITIONS SO PARTITION DOES NOT OBSTRUCT ACCESS TO THE CLEANOUT.
- ALL ELEMENTS OF THE CONSTRUCTION SHALL BE PERFORMED BY TRADES PEOPLE SKILLED IN THE PARTICULAR CRAFT INVOLVED, AND REGULARLY EMPLOYED IN THAT PARTICULAR CRAFT. ALL WORK SHALL BE PERFORMED IN A NEAT, PROFESSIONAL MANNER IN KEEPING WITH THE HIGHEST STANDARDS OF THE CRAFT.
- COORDINATE INSTALLATION OF ALL PLUMBING ITEMS PENETRATING THE EXTERIOR BUILDING ENVELOPE WITH GENERAL CONTRACTOR. ALL ITEMS PENETRATING THE ROOF ARE TO BE INSTALLED PER ROOFING MANUFACTURER REQUIREMENTS.
- COORDINATE LOCATIONS AND SIZES OF OPENINGS IN STRUCTURE WITH GENERAL CONTRACTOR. WHEN ADDITIONAL CUTTING AND PATCHING IS REQUIRED DUE TO PLUMBING CONTRACTOR'S FAILURE TO COORDINATE THIS WORK, IT SHALL BE THE PLUMBING CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE ADDITIONAL CUTTING AND PATCHING. SEAL AND/OR FIRE STOP ALL PENETRATIONS AS REQUIRED.
- PLUMBING CONTRACTOR SHALL PROVIDE ALL REQUIRED SUPPORT STEEL FOR PIPING AND EQUIPMENT.
- ALL MECHANICAL ROOM FLOOR DRAIN LOCATIONS SHALL BE COORDINATED WITH EQUIPMENT SUBMITTALS AND ROOM EQUIPMENT LAYOUT. LOCATE DRAINS TO ACCOMMODATE EQUIPMENT CONDENSATE DRAINS TO MINIMIZE DRAIN PIPE LENGTH AND AVOID TRIPPING AND WET FLOOR HAZARDS.
- PROVIDE ISOLATION VALVES FOR ALL EQUIPMENT AND AT ALL BRANCH LINES SERVING TWO OR MORE FIXTURES.
- CONTRACTOR TO COORDINATE THE EXACT LOCATIONS FOR ALL NEW FLOOR CLEAN OUTS THROUGHOUT WITH BOTH NEW AND EXISTING STRUCTURE AND WITH NEW FLOOR FINISHES/PATTERNS.
- ALL PIPE HANGERS IN EXPOSED STRUCTURE AREAS (NO CEILING) SHALL HAVE INDIVIDUAL HANGERS (STRUT TYPE TRAPEZE HANGERS NOT ALLOWED).
- PROVIDE NEW 4" CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED EQUIPMENT.
- MANUAL BALANCING VALVES, BELL & GOSSETT MODEL CB CIRCUIT SETTERS OR EQUAL SHALL BE PROVIDED FOR BALANCING OF THE DOMESTIC HOT WATER SYSTEM AS SHOWN PER THE PLANS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- THE SPACE ABOVE CEILINGS IN ALL AREAS IS EXTREMELY LIMITED AND COORDINATION OF WORK IS MANDATORY.
- SANITARY, STORM, AND VENT PIPING SIZES ARE BASED ON STANDARD CAST IRON PIPE SIZES; WHERE AN ALTERNATIVE MATERIAL IS USED, IF A DISCREPANCY IN AVAILABLE PIPE SIZE EXISTS FOR THAT MATERIAL, THE NEXT LARGEST AVAILABLE SIZE SHALL BE PROVIDED.
- SHUT DOWN OF EXISTING PLUMBING SYSTEMS TO BE REQUESTED AND COORDINATED THROUGH THE OWNER'S REPRESENTATIVE IN ACCORDANCE WITH DIVISION 00 AND 01 SPECIFICATIONS. SHUTDOWNS OF ALL SYSTEMS SHALL BE MINIMIZED.
- REFER TO ARCHITECTURAL PLANS FOR DETAILED ELEVATIONS INDICATING STANDARD MOUNTING HEIGHTS, LOCATIONS AND ALIGNMENT REQUIREMENTS FOR ALL WALL MOUNTED DEVICES AND REFLECTED CEILING PLANS FOR ALL CEILING MOUNTED DEVICES.
- FOR ALL PIPING TO BE ROUTED IN CASEWORK ALONG WALLS, PIPING IS TO BE SUPPORTED FROM WALL AND IS NOT TO BE ATTACHED TO OR SUPPORTED FROM THE CASEWORK IN ANY WAY.
- WHERE THERE IS NO CEILING INDICATED, NEW PIPING WILL BE ROUTED EXPOSED WITHIN ROOM. ALL EXPOSED PIPING SHALL BE PAINTED TO MATCH ADJACENT WALL/CEILING COLOR.
- FOR ALL WORK REQUIRED ABOVE EXISTING CEILINGS TO REMAIN, (EITHER WITHIN OR OUTSIDE THE PROJECT AREA) CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REINSTALLATION OF ALL CEILING TILE AS REQUIRED TO ACCOMPLISH THE WORK. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR TYPES AND EXTENT OF BOTH EXISTING AND NEW CEILINGS THROUGHOUT PROJECT.
- ALL WORK WILL BE COMPLETED IN MULTIPLE SEQUENCES. THE BUILDING WILL REMAIN OCCUPIED AND IN USE FOR THE DURATION OF CONSTRUCTION. REFER TO SEQUENCING PLANS, SPECIFICATIONS AND SEQUENCING NOTES FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO SUBMIT INFORMATION REGARDING ALL PRIMERS, SOLVENTS AND SEALANTS TO BE USED FOR REVIEW RELATIVE TO ALLOWABLE VOC CONTENT. REFER TO SPECIFICATION SECTION 01 61 15, VOLATILE ORGANIC COMPOUND (VOC) CONTENT RESTRICTIONS FOR ADDITIONAL INFORMATION REGARDING VOC LIMITS FOR ALL TYPES OF MATERIALS.

GENERAL STRUCTURE NOTES:

- THE LOCATION AND SIZE OF ANY HOLES THROUGH STRUCTURE WILL REQUIRE REVIEW AND APPROVAL OF STRUCTURAL ENGINEER.
- IT IS ASSUMED THAT ALL PIPING THAT DOES NOT EXPAND AND CONTRACT WILL BE SUPPORTED AT EACH FLOOR RATHER THAN AS A POINT LOAD AT ONE LOCATION.
- COORDINATE THE EXACT LOCATION OF FLOOR DRAINS; CONTRACTOR SHALL FORM ALL RECESSED FLOOR DRAINS INTO CONCRETE POUR.
- IT IS ASSUMED THAT ALL HORIZONTAL PIPING WILL BE SUPPORTED ON INTERVALS OF 10' ON CENTER OR LESS. DO NOT SUSPEND EQUIPMENT FROM METAL ROOF DECKING.
- CONTRACTOR TO COORDINATE EXACT SIZE AND LOCATIONS OF ALL HOUSEKEEPING PADS PRIOR TO POURING OF CONCRETE.
- OPENINGS IN LOAD BEARING CMU WALLS, NOT SPECIFICALLY DETAILED ON DRAWINGS, SHALL BE COORDINATED BY CONTRACTOR. REFER TO STRUCTURAL PLANS FOR SPECIFIC LOCATIONS OF LOAD BEARING CMU WALLS.

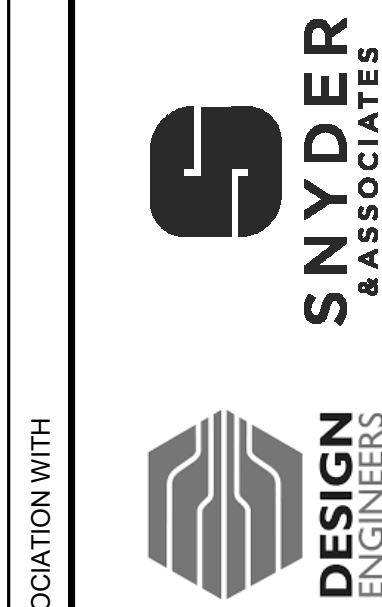
PLUMBING DEMOLITION KEYED NOTES

PD-1	EXISTING TO REMAIN.
PD-2	REMOVE EXISTING LAV AND ALL PIPING BACK TO ACTIVE MAINS OR BELOW FLOOR AND CAP. COORDINATE PATCHING WITH GC.
PD-3	REMOVE EXISTING WATER CLOSET AND ALL PIPING BACK TO ACTIVE MAINS OR BELOW FLOOR AND CAP. COORDINATE PATCHING WITH GC.
PD-5	REMOVE EXISTING SINK AND ALL PIPING BACK TO ACTIVE MAINS OR BELOW FLOOR AND CAP. COORDINATE PATCHING WITH GC.
PD-6	REMOVE EXISTING DUAL LEVEL WATER COOLER AND SAVE FOR REINSTALLATION IN NEW PLAN. REMOVE COLD WATER AND VENT PIPING BACK TO ACTIVE MAINS AND CAP. REMOVE SANITARY PIPING TO BELOW FLOOR AND CAP. COORDINATE WALL AND FLOOR PATCHING WITH GC.
PD-7	

PLUMBING KEYED NOTES

P-1	EXISTING TO REMAIN.
P-3	COORDINATE EXACT LOCATION OF FLOOR DRAIN WITH EQUIPMENT LAYOUT TO AVOID WET FLOORS AND DRAIN PIPE TRIPPING HAZARDS.
P-4	use CAPS key
P-5	

IN ASSOCIATION WITH



SHEET TITLE
PLUMBING NOTES AND SYMBOLS

PROJECT TITLE
CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
REV. NO. DATE

PROJECT NUMBER
2023402

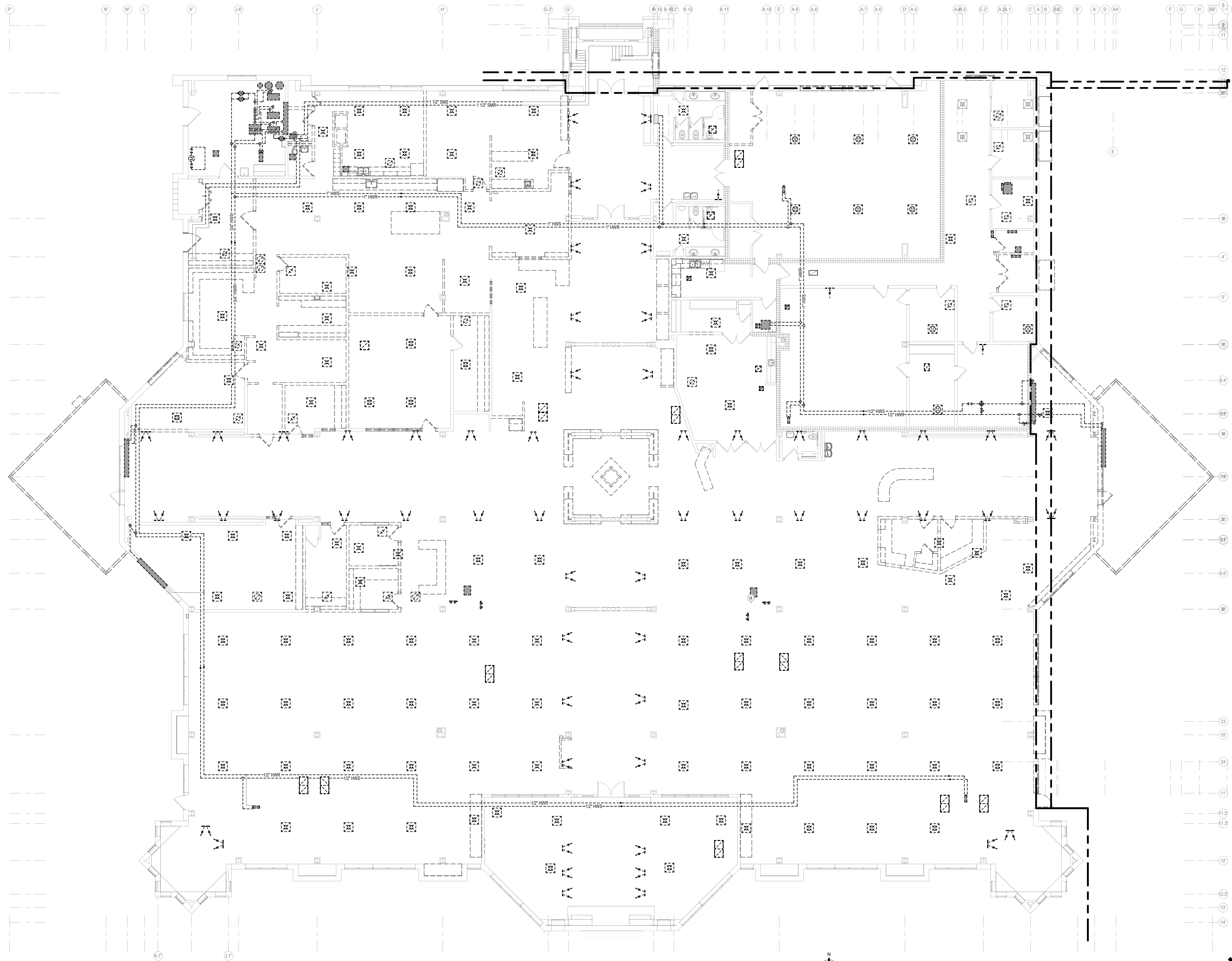
SHEET

P5.1

FEH DESIGN

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OCONOMOWOC, WI (262) 968-2055

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KEYED NOTES

DEMOLITION KEY

	TO REMAIN
	TO BE REMOVED / REVISED
	EQUIPMENT TO REMAIN
	EQUIPMENT TO BE REMOVED / REVISED

1 HVAC PIPING DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

PRELIMINARY
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PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

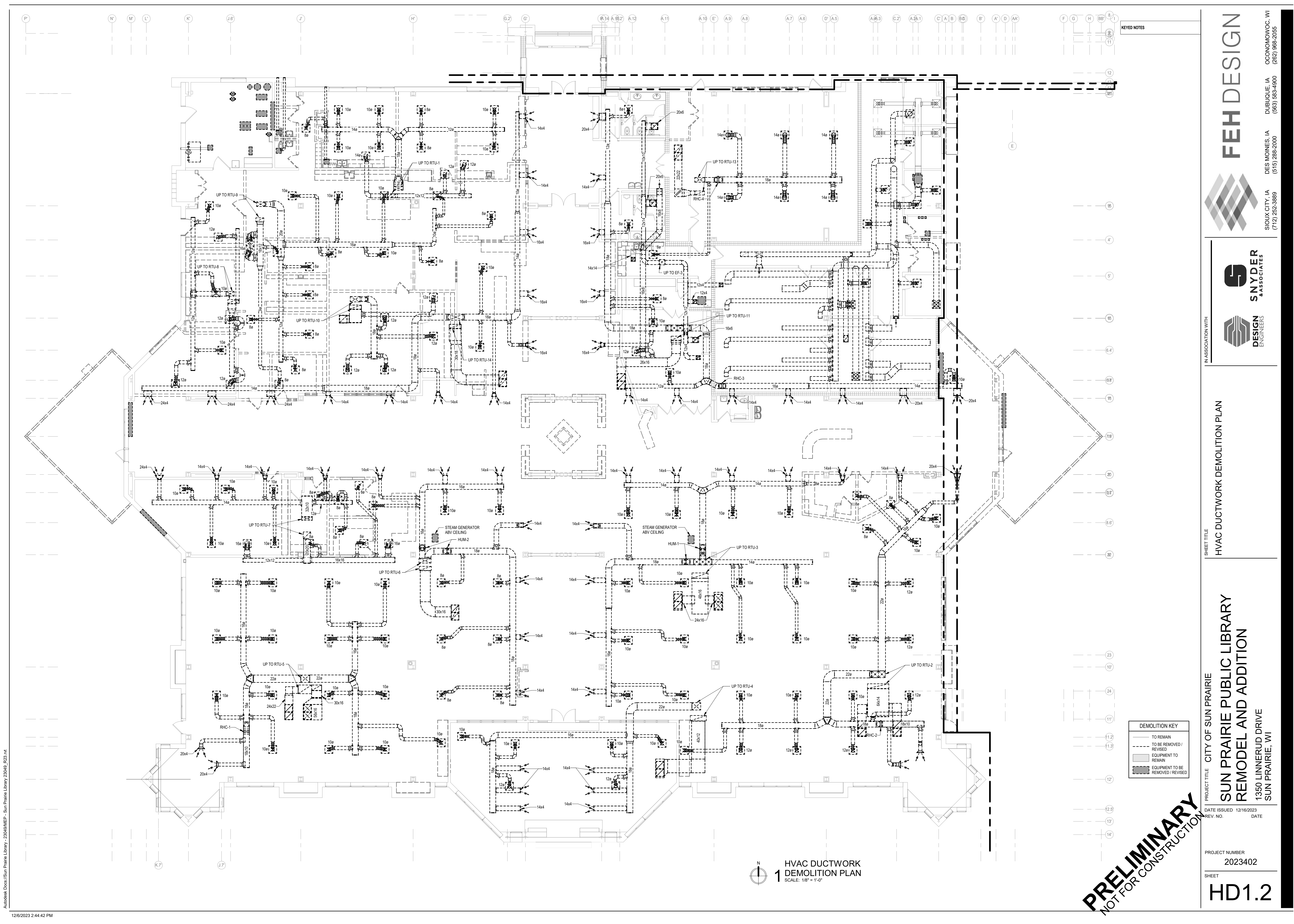
PROJECT NUMBER: 2023402
 SHEET: HD1.1

DATE ISSUED: 12/16/2023
 REV. NO. DATE

IN ASSOCIATION WITH:

SNYDER & ASSOCIATES
 DESIGN ENGINEERS

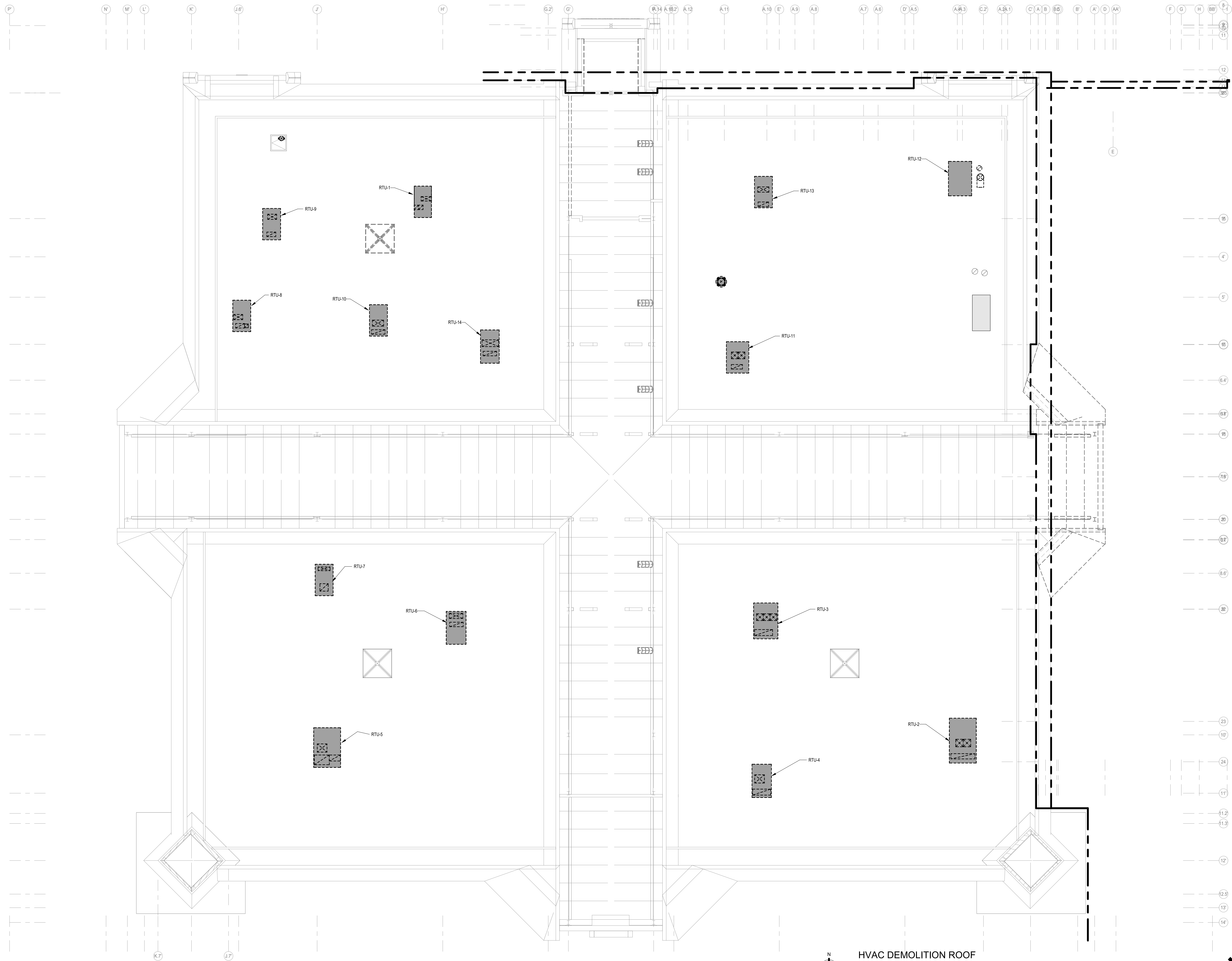
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KEYED NOTES

1 HVAC DUCTWORK
 DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

PRELIMINARY
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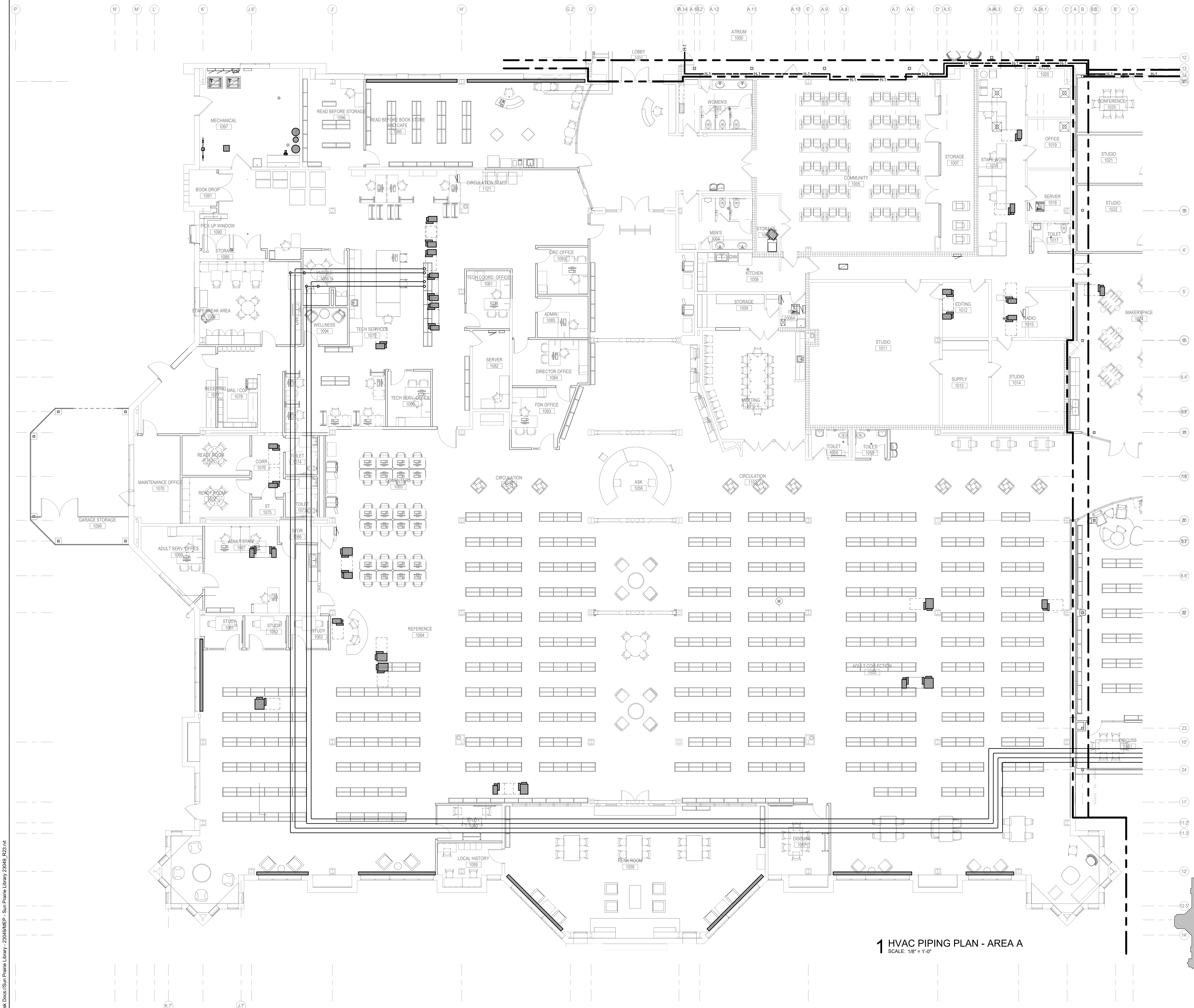


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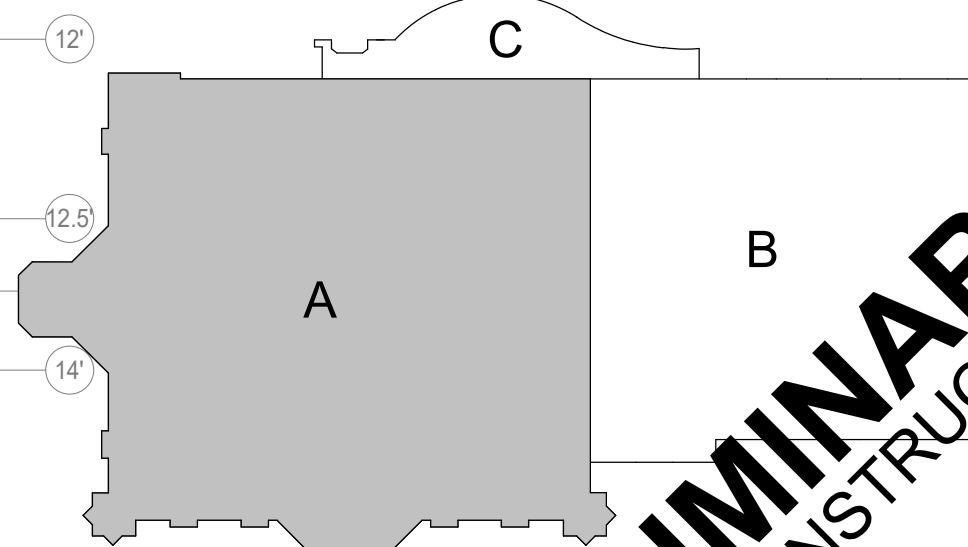
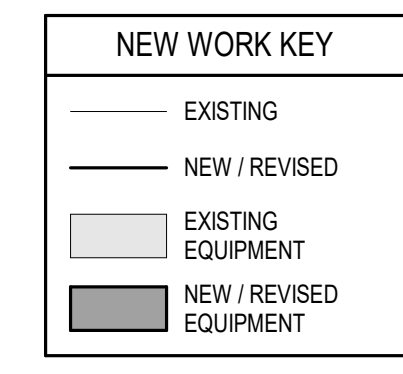
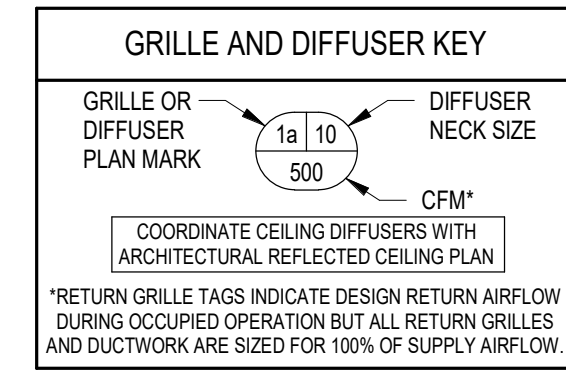
	TO REMAIN
	TO BE REMOVED / REVISED
	EQUIPMENT TO REMAIN
	EQUIPMENT TO BE REMOVED / REVISED

N
1 HVAC DEMOLITION ROOF
 PLAN
 SCALE: 1/8" = 1'-0"

PRELIMINARY
 NOT FOR CONSTRUCTION

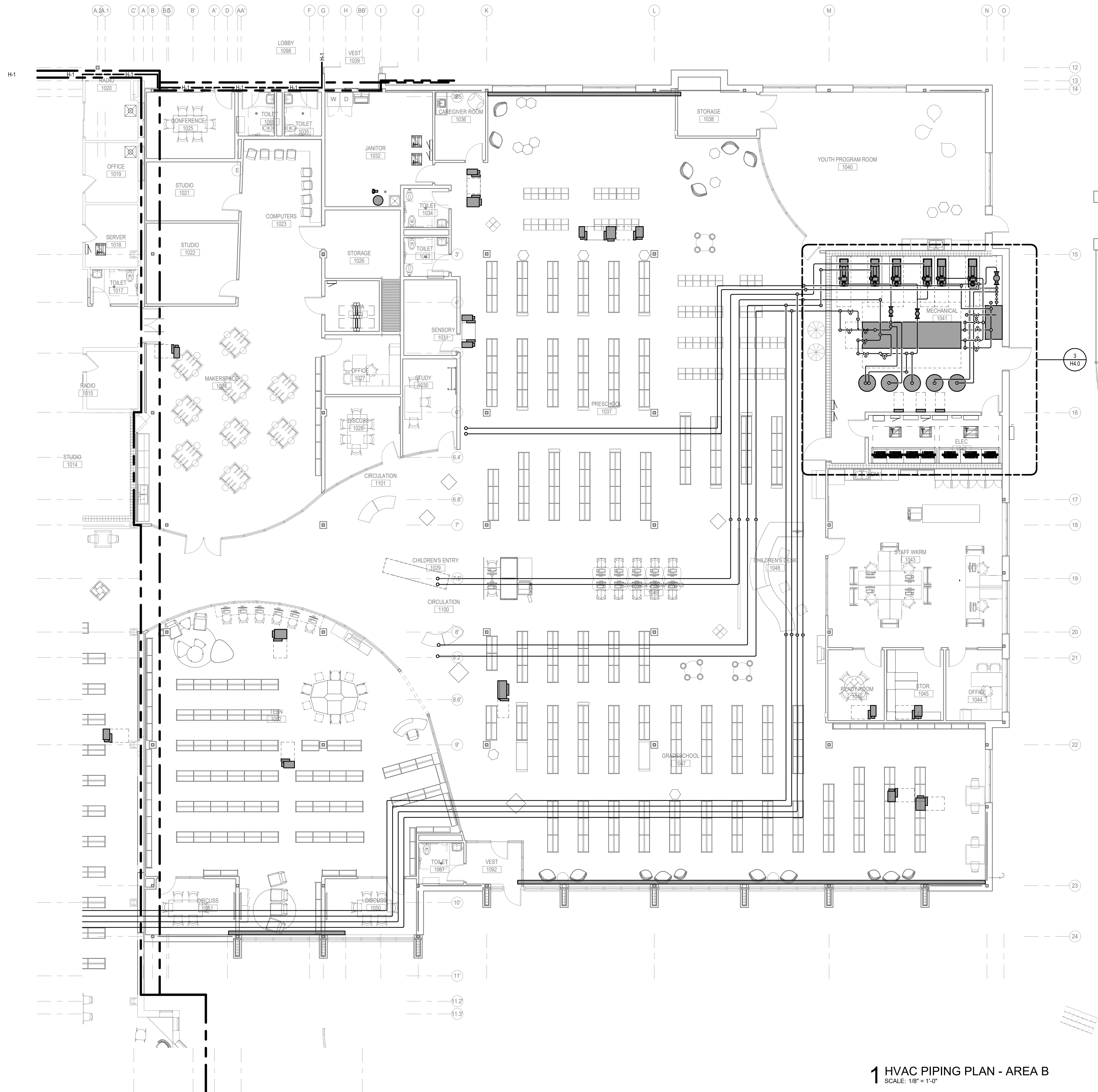


KEYED NOTES

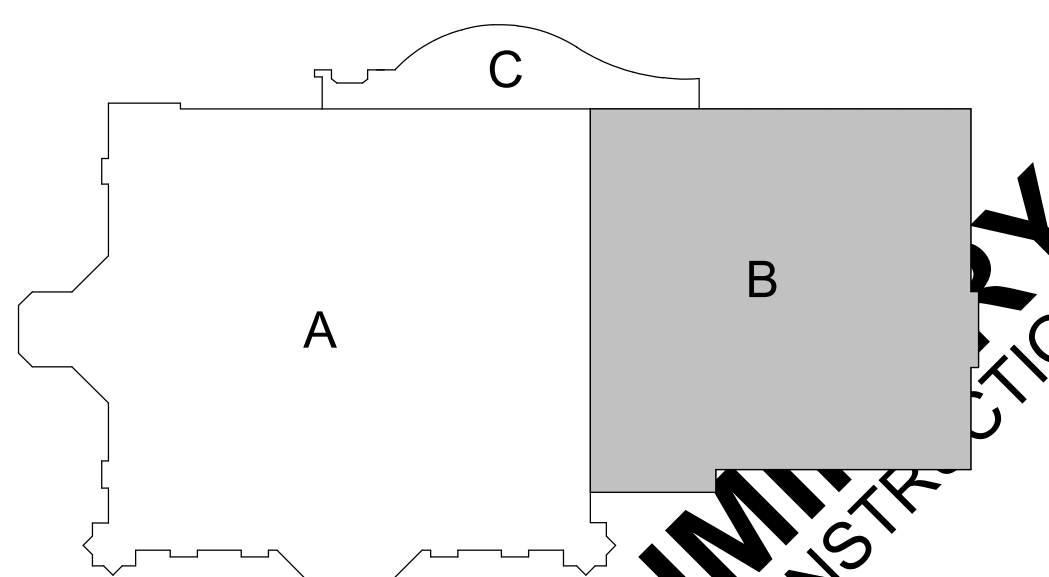
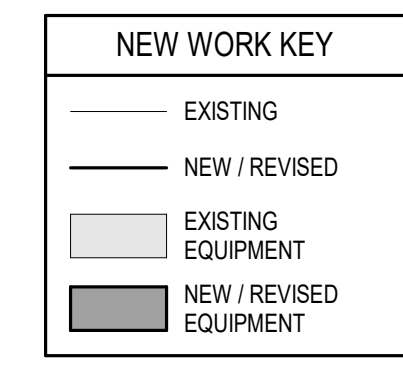
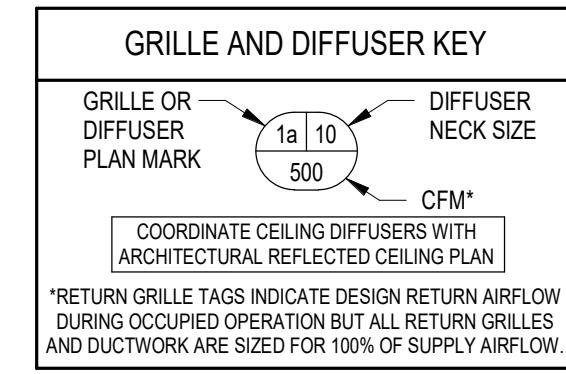


1 HVAC PIPING PLAN - AREA A
SCALE: 1/8" = 1'-0"

PRELIMINARY
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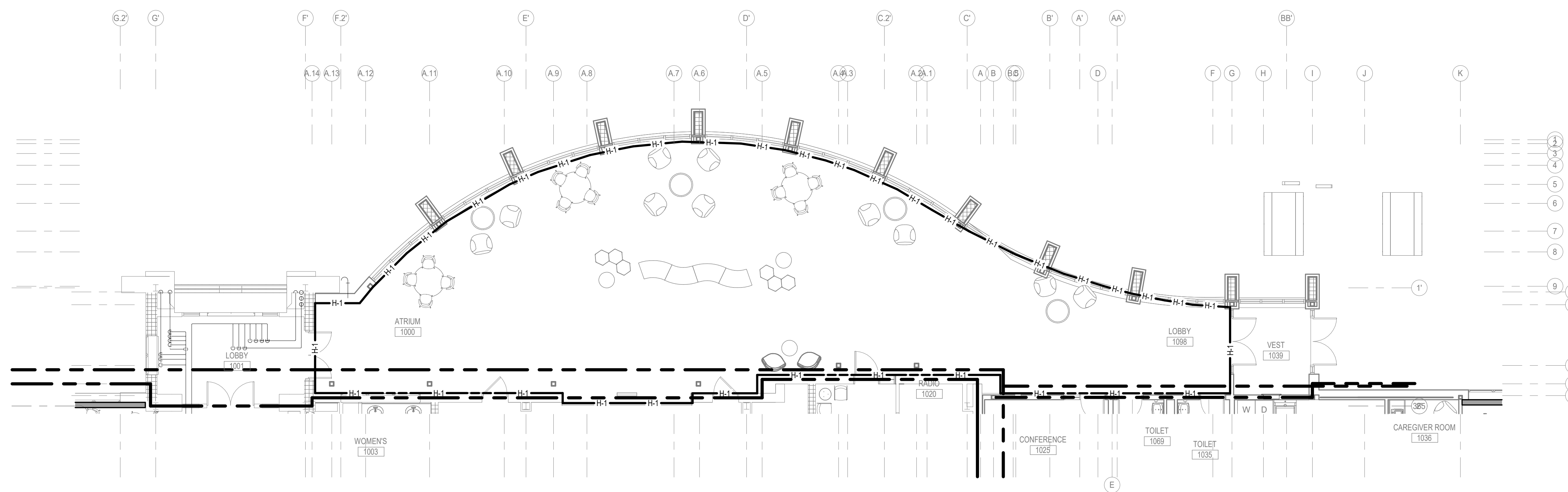
KEYED NOTES



1 HVAC PIPING PLAN - AREA B
SCALE: 1/8" = 1'-0"

KEY PLAN
PRELIMINARY
NOT FOR CONSTRUCTION

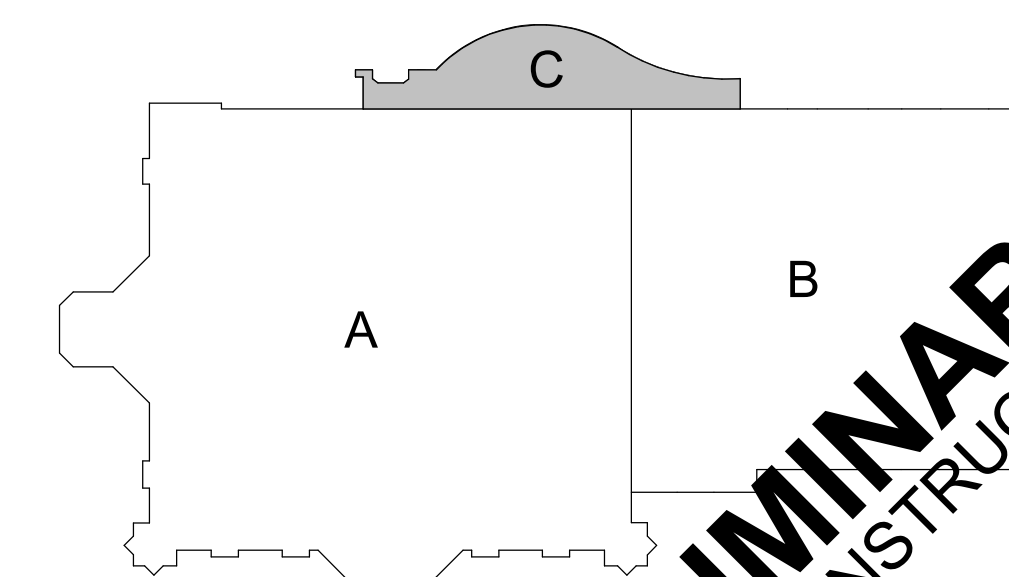
KEYED NOTES	
H-1	AREA DESIGNATED TO BE SUPPLIED WITH RADIANT FLOOR HEATING



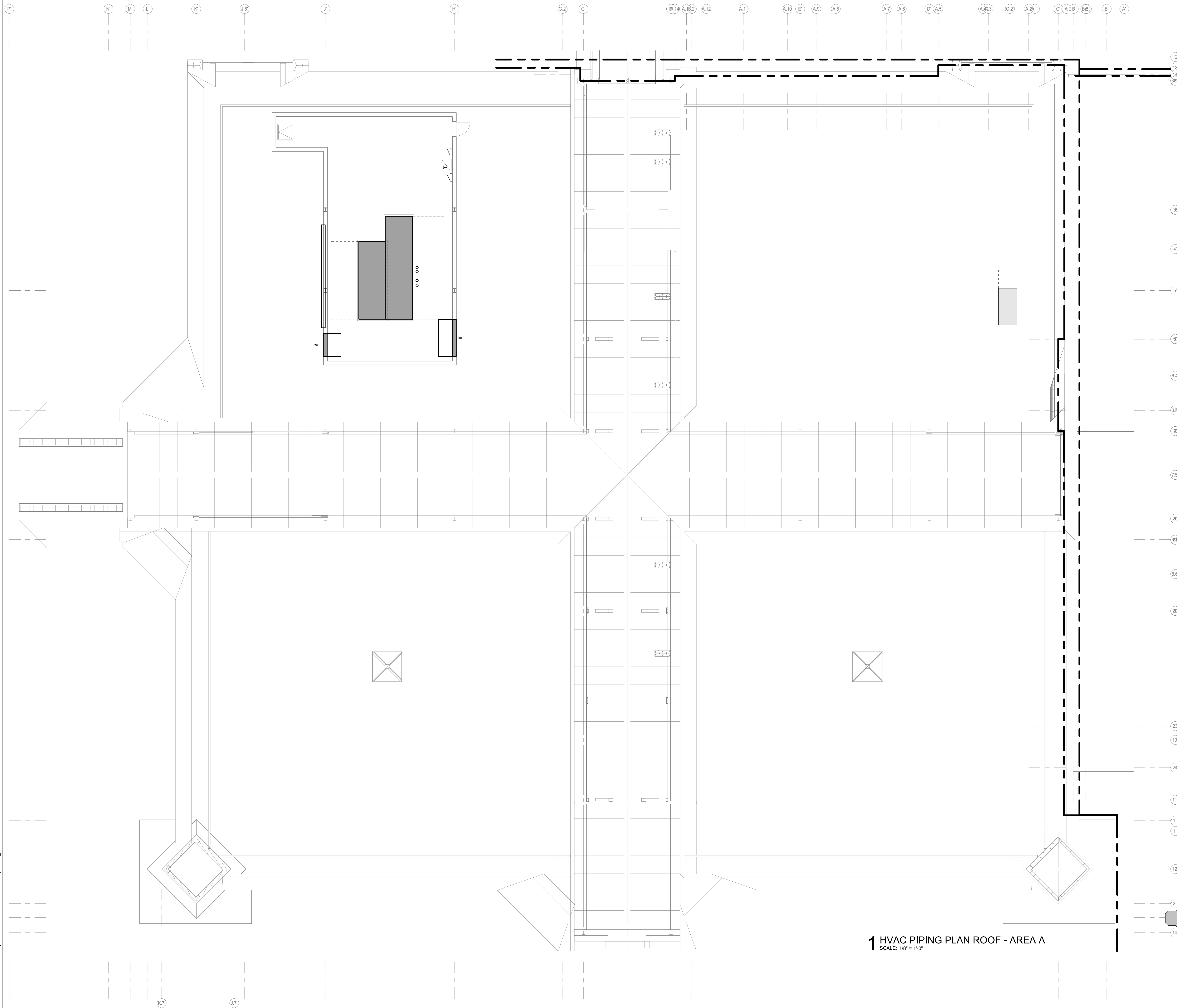
1 HVAC PIPING PLAN - AREA C
SCALE: 1/8" = 1'-0"

GRILLE AND DIFFUSER KEY	
GRILLE OR DIFFUSER PLAN MARK	DIFFUSER NECK SIZE
	CFM*
*COORDINATE CEILING DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLAN	
*RETURN GRILLE TAGS INDICATE DESIGN RETURN AIRFLOW DURING OCCUPIED OPERATION BUT ALL RETURN GRILLES AND DUCTWORK ARE SIZED FOR 100% OF SUPPLY AIRFLOW.	

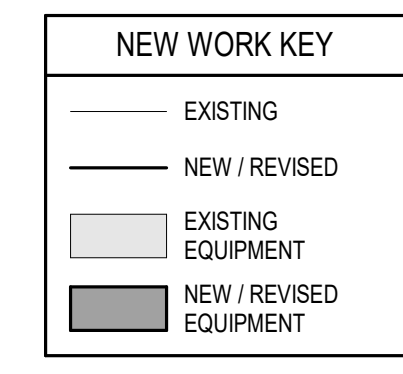
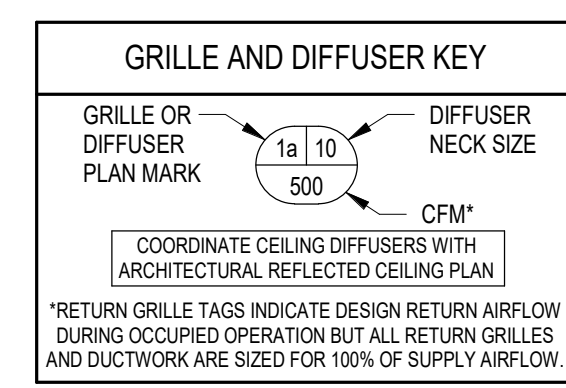
NEW WORK KEY	
	EXISTING EQUIPMENT
	NEW / REVISED EQUIPMENT



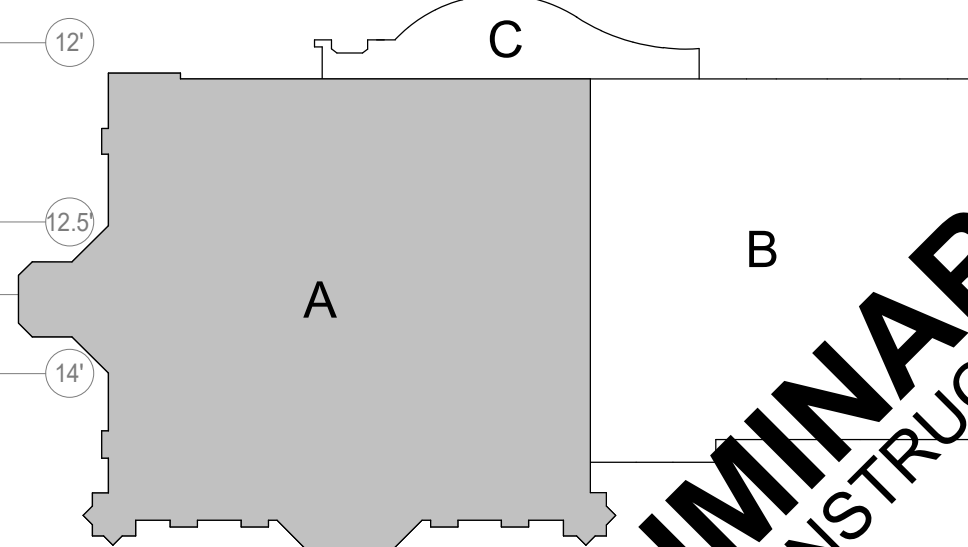
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KEYED NOTES



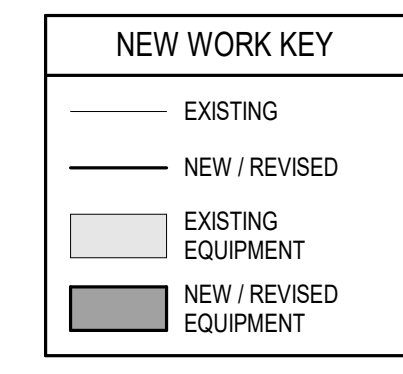
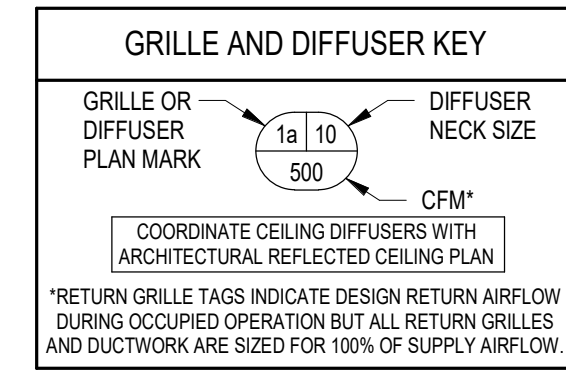
1 HVAC PIPING PLAN ROOF - AREA A
SCALE: 1/8" = 1'-0"



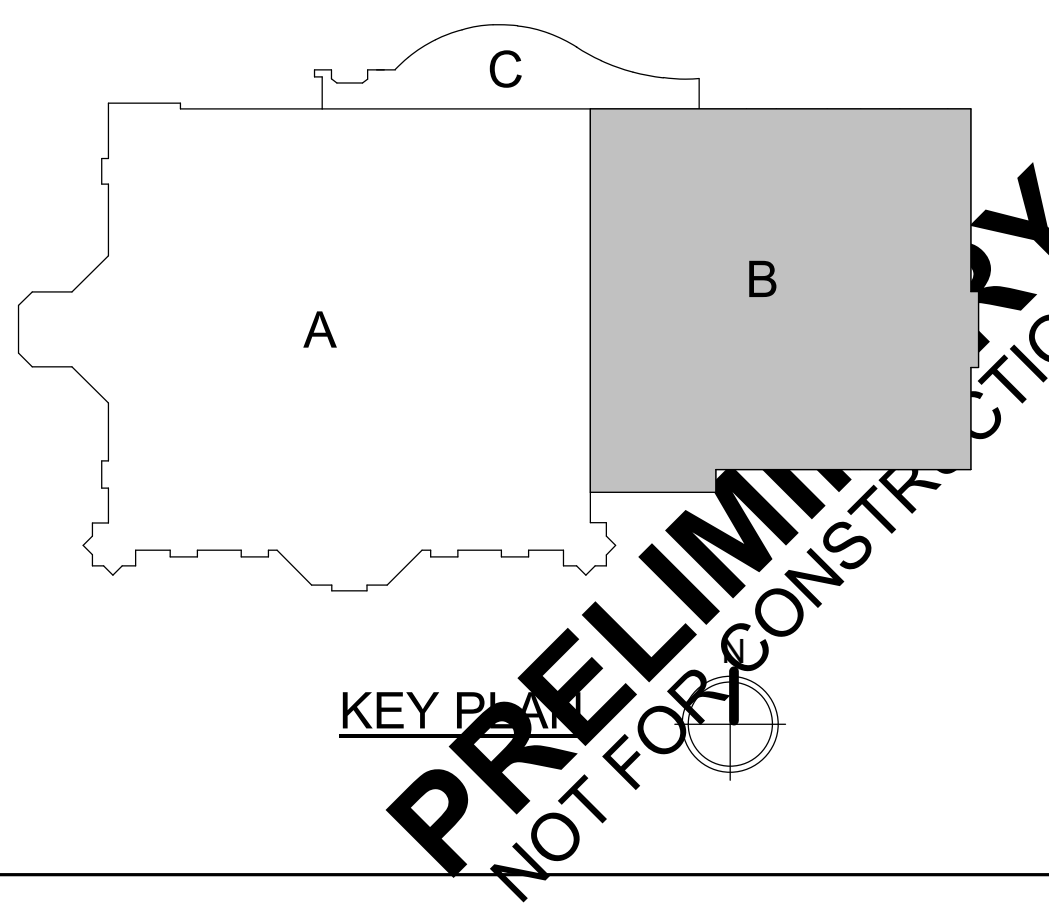
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KEYED NOTES



1 HVAC PIPING ROOF PLAN - AREA B
 SCALE: 1/8" = 1'-0"



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SNYDER & ASSOCIATES
DESIGN ENGINEERS

IN ASSOCIATION WITH

SHEET TITLE
HVAC PIPING ROOF PLAN - AREA B

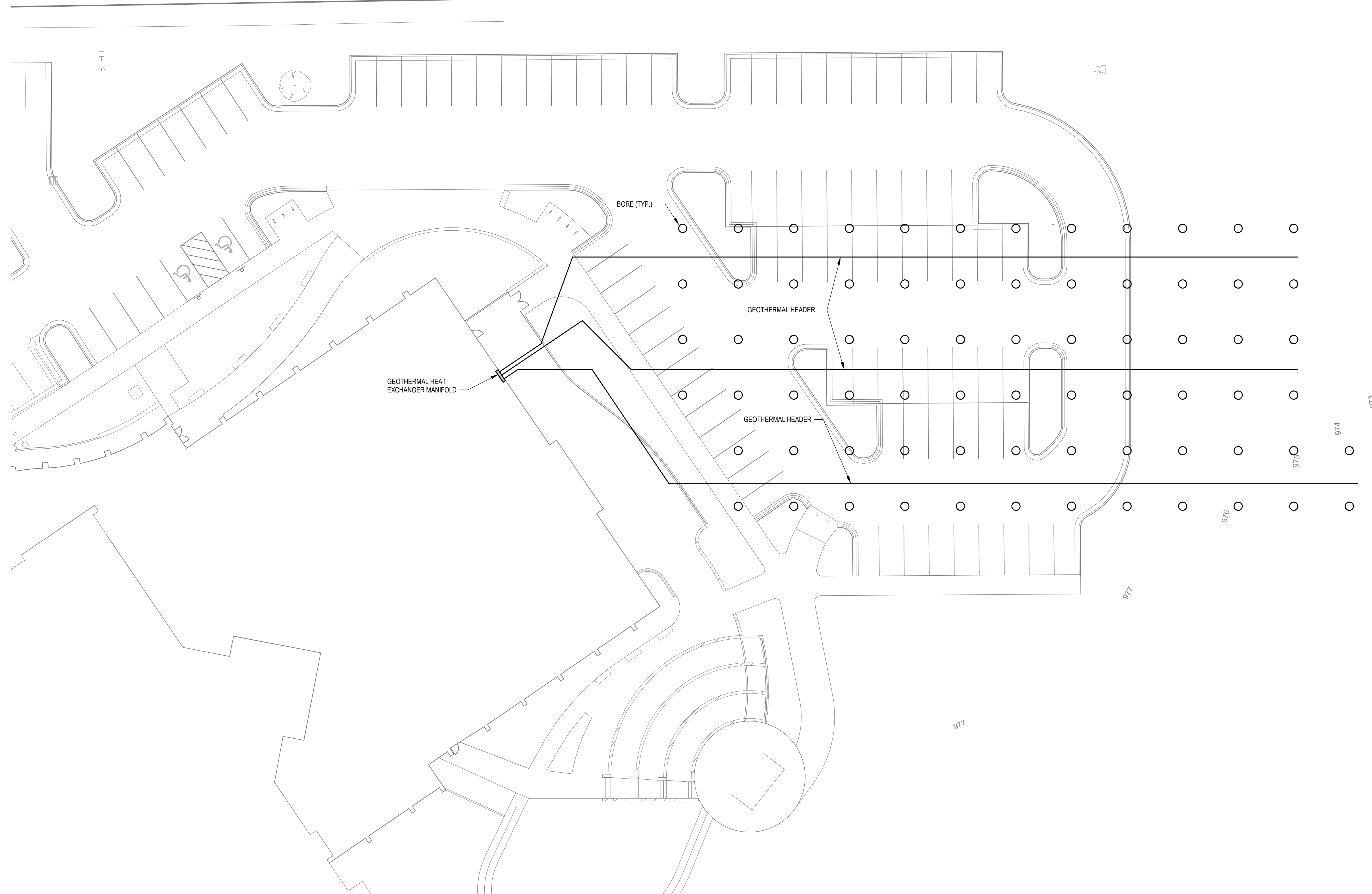
PROJECT TITLE
**CITY OF SUN PRAIRIE
 SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI**

DATE ISSUED 12/16/2023
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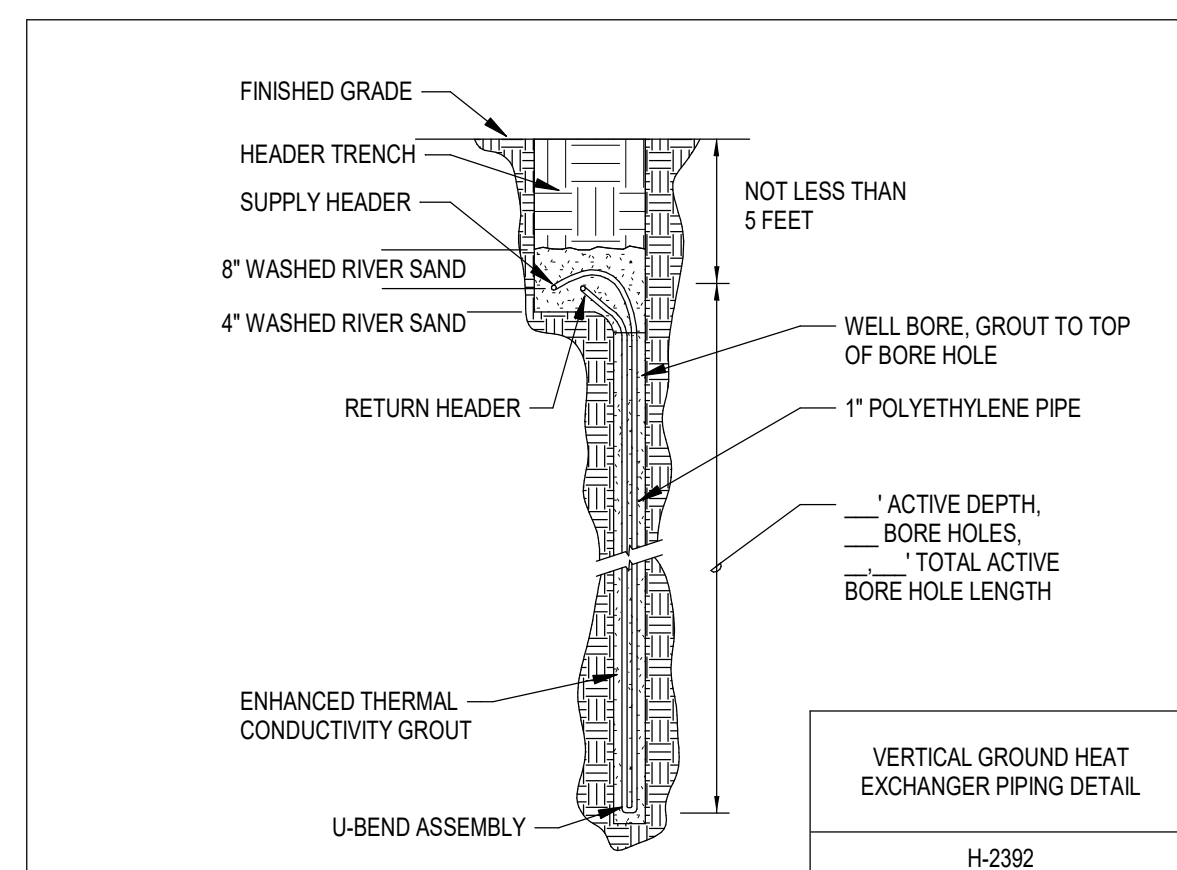
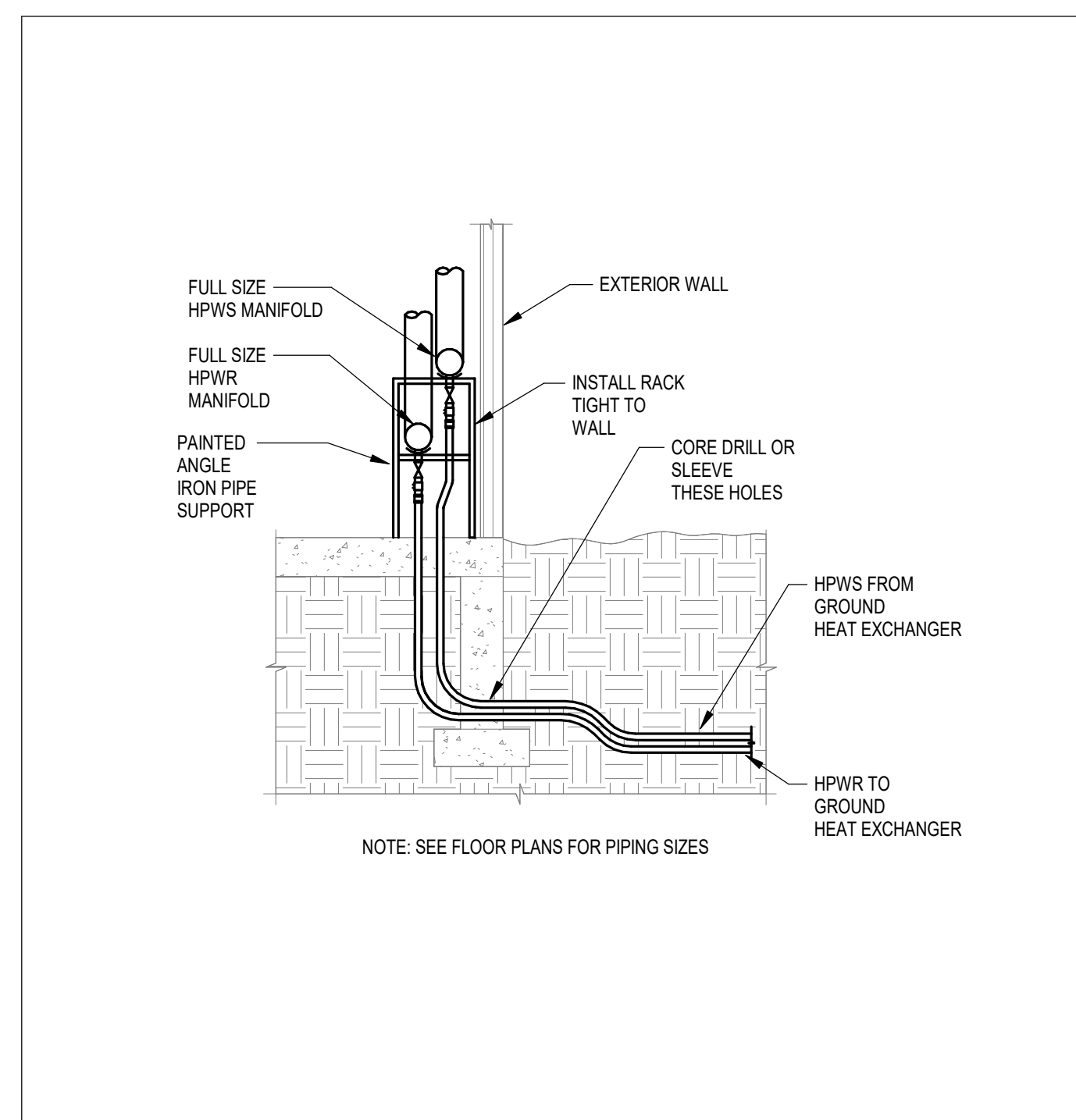
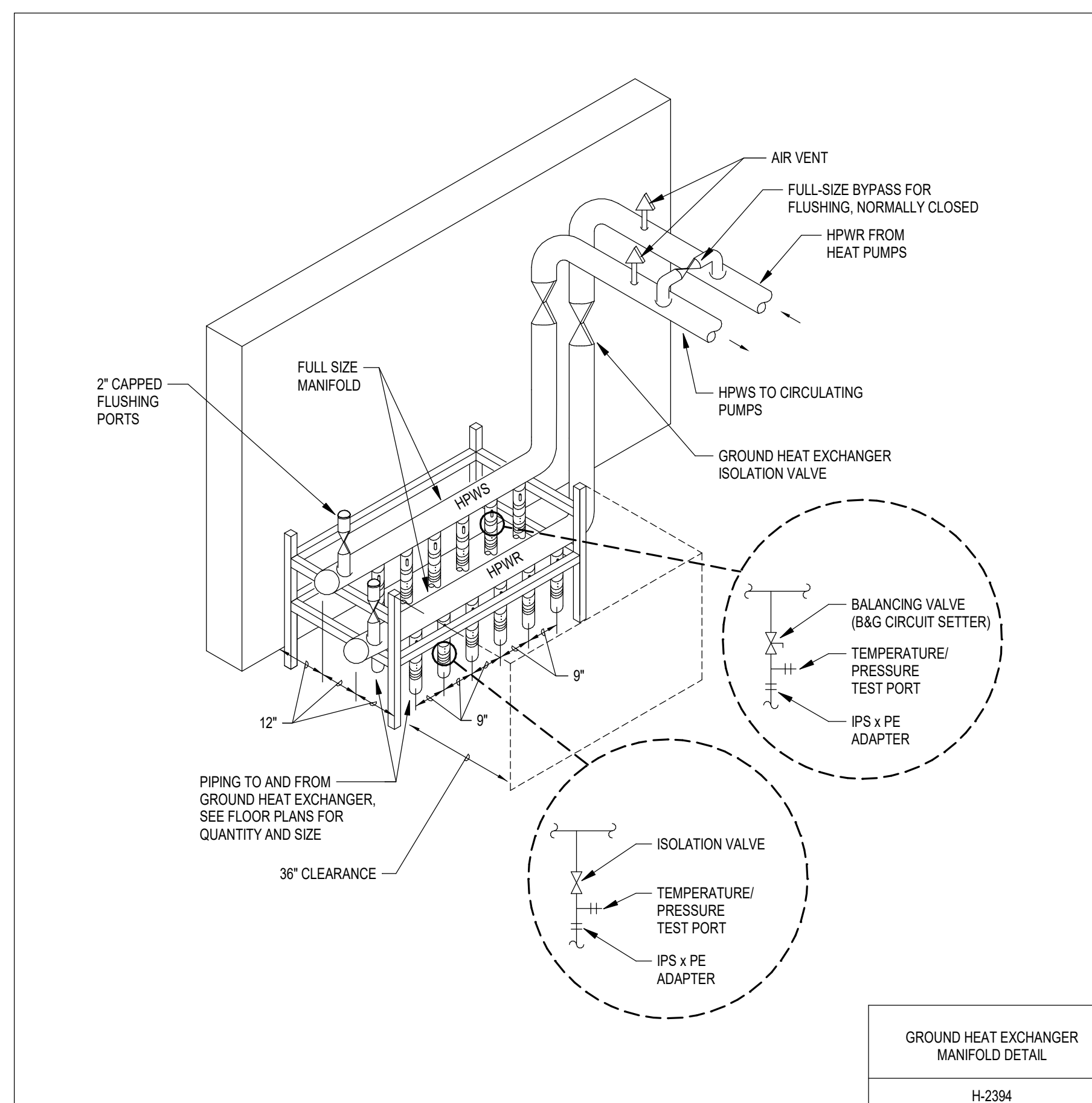
PROJECT NUMBER
2023402

SHEET
HP2.3

KEYED NOTES



1 HVAC SITE PLAN
SCALE: 1" = 20'-0"



GROUND HEAT EXCHANGER NOTES:

- GHE BORE HOLES TO HAVE 15 FT. SPACING AND BE AT LEAST 10 FT. FROM BUILDING, PROPERTY LINE, OR UTILITY EASEMENT. GHE CONTRACTOR IS RESPONSIBLE FOR ALL TRENCHING FOR GROUND LOOP PIPING AS REQUIRED. HORIZONTAL GHE PIPING SHALL BE PROVIDED 12" SAND BED (4" BELOW, 8" ABOVE) PER SPECIFICATIONS. COORDINATE ALL GHE WORK WITH GENERAL CONTRACTOR, SITE UTILITIES, AND LANDSCAPE.
- LOCATE ALL EXISTING UTILITIES AND HAND DIG GHE TRENCHES IN THESE AREAS. REFER TO CIVIL DRAWINGS FOR APPROXIMATE UTILITY LOCATIONS. ALL UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO DRILLING OR TRENCHING.
- CONTRACTOR SHALL PROVIDE UNIT PRICING FOR GROUTING MATERIAL, CASING, AND ALTERNATE FILLS. REFER TO SPECIFICATION SECTION 23.2113.33 FOR DETAILS.

NEW WORK KEY	
---	EXISTING
- - -	NEW / REVISED
□	EXISTING EQUIPMENT
□	NEW / REVISED EQUIPMENT

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE CITY OF SUN PRAIRIE

SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
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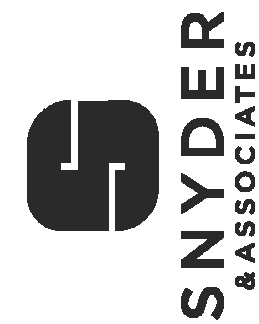
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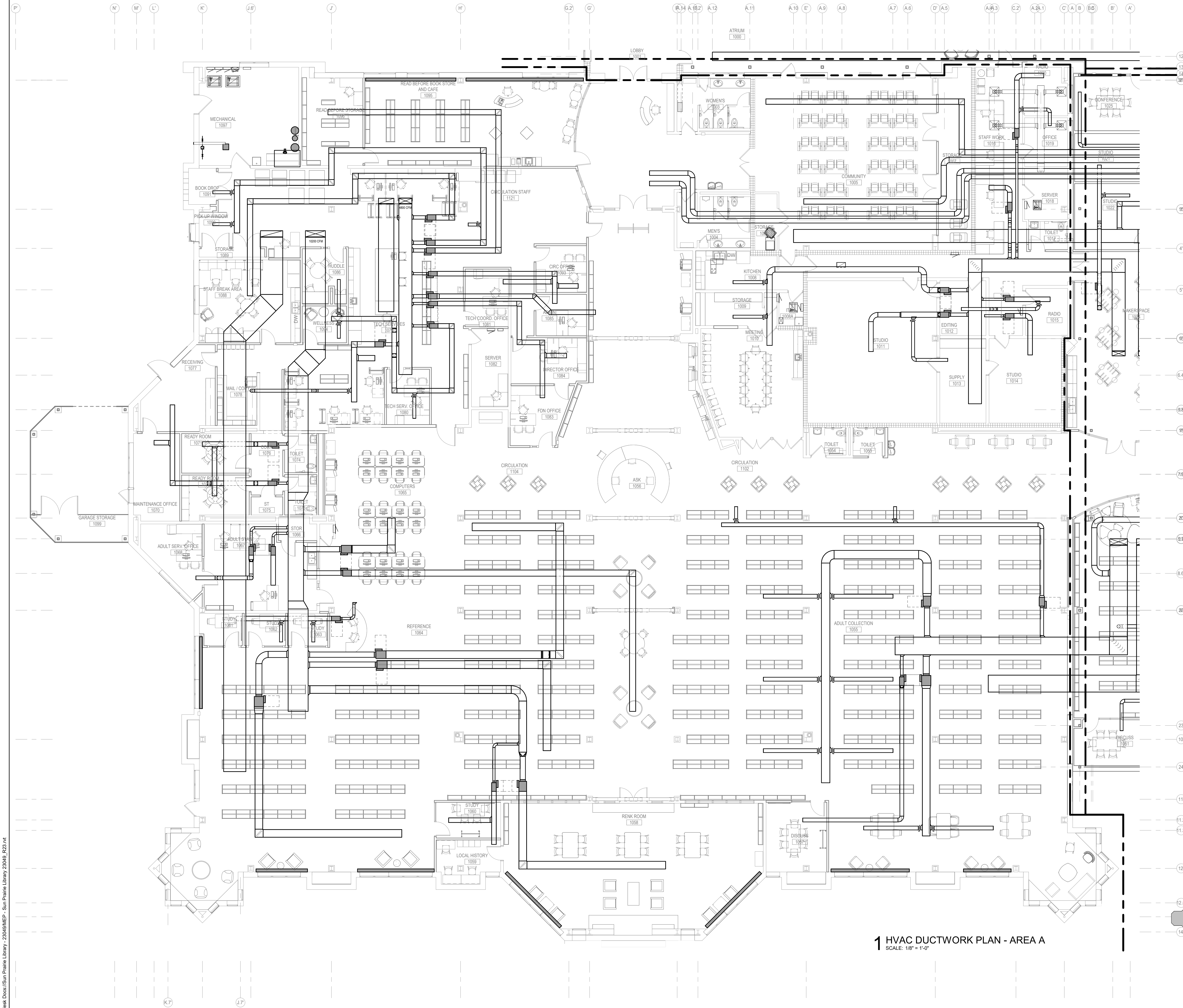
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SHEET TITLE
HVAC PIPING SITE PLAN

IN ASSOCIATION WITH



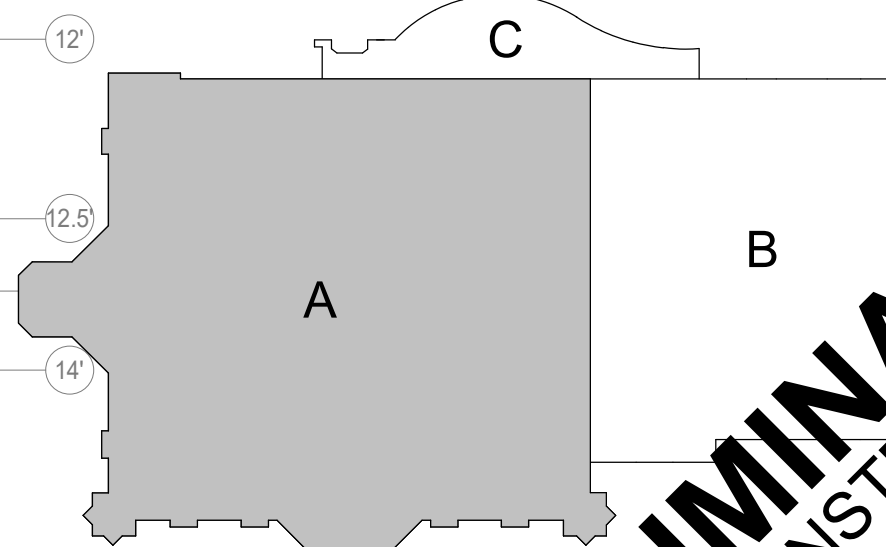
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KEYED NOTES

NEW WORK KEY	
	EXISTING
	NEW / REVISED
	EXISTING EQUIPMENT
	NEW / REVISED EQUIPMENT

1 HVAC DUCTWORK PLAN - AREA A
SCALE: 1/8" = 1'-0"



PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
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DATE ISSUED: 12/16/2023
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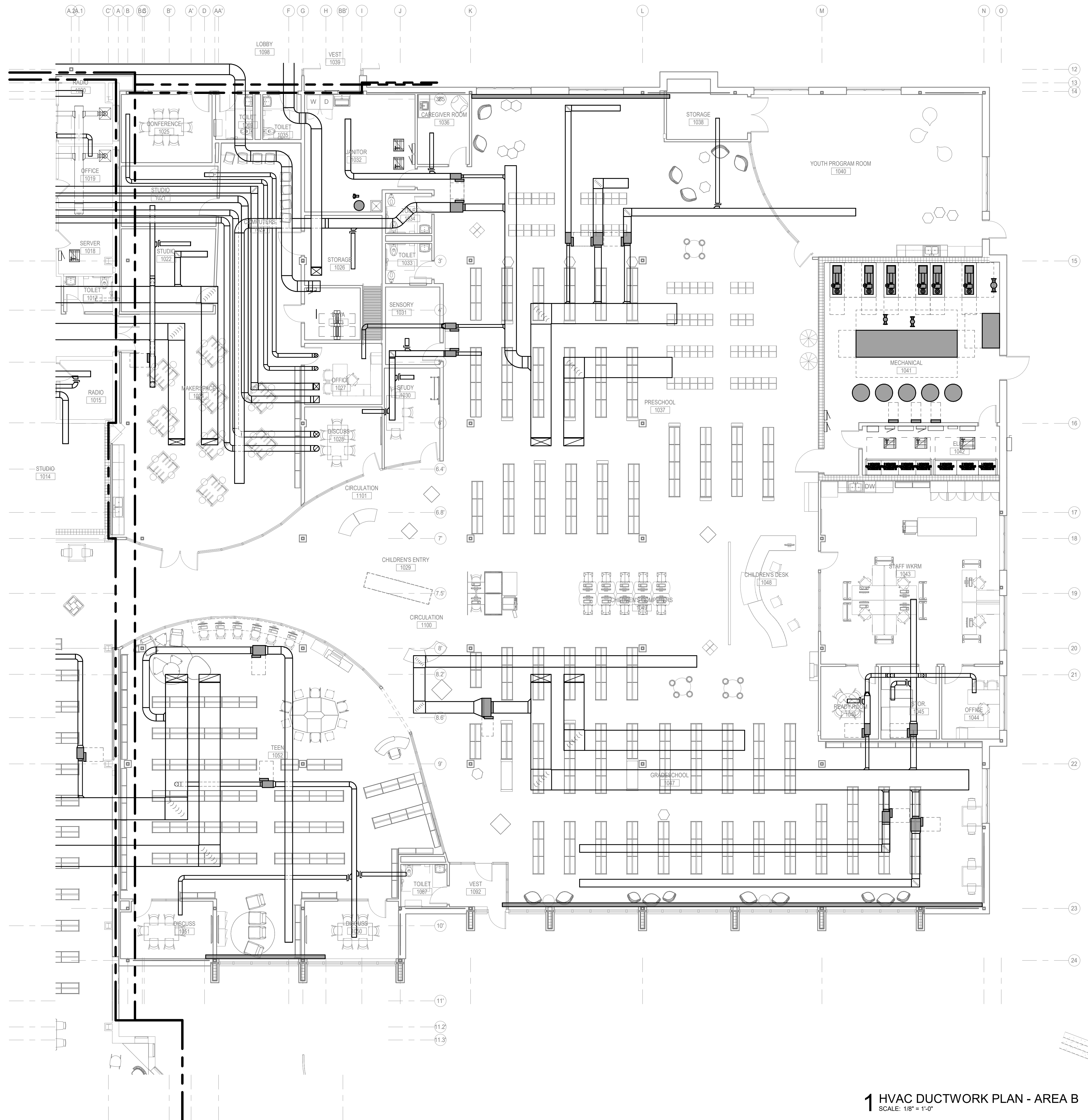
PROJECT NUMBER: 2023402
 SHEET: HV1.2

IN ASSOCIATION WITH:

SNYDER & ASSOCIATES

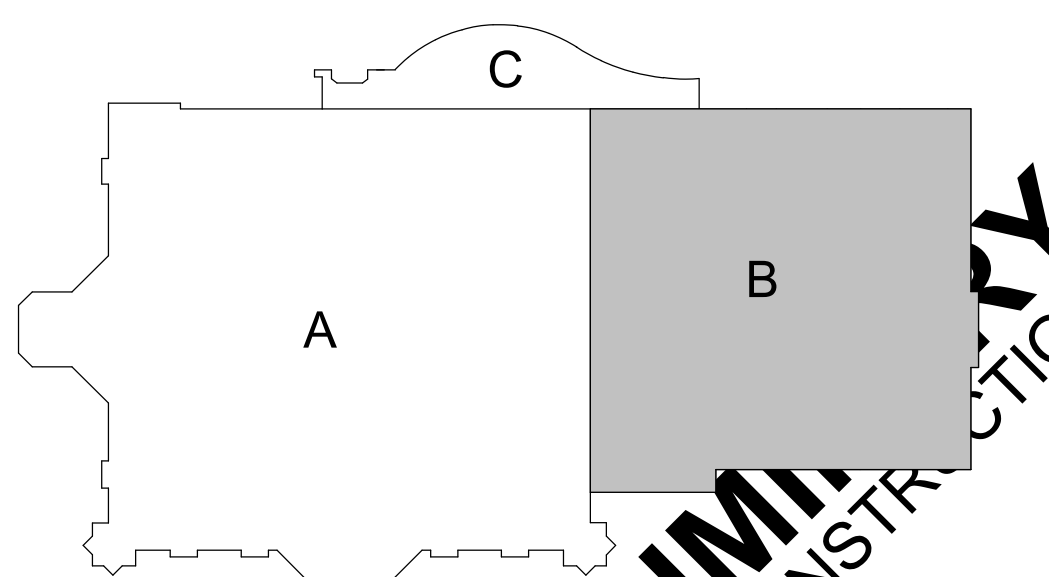
DESIGN ENGINEERS

FEH DESIGN
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 DUBUQUE, IA (663) 983-4900
 DES MOINES, IA (515) 288-2000
 SIOUX CITY, IA (712) 252-3889



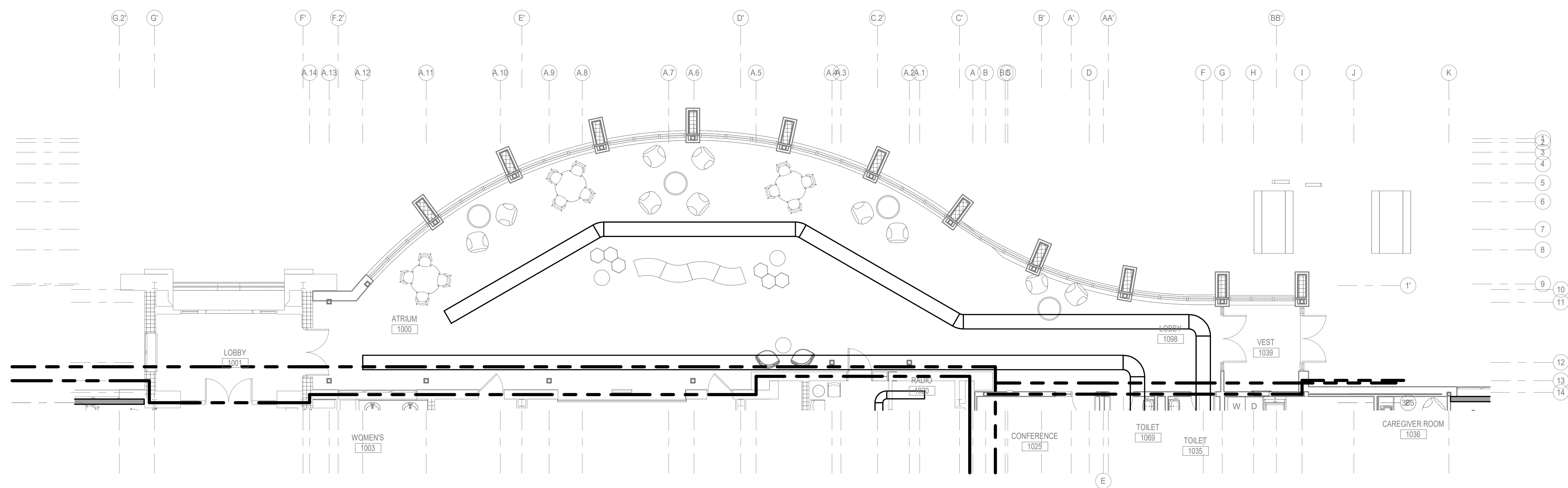
KEYED NOTES

NEW WORK KEY	
	EXISTING
	NEW / REVISED
	EXISTING EQUIPMENT
	NEW / REVISED EQUIPMENT



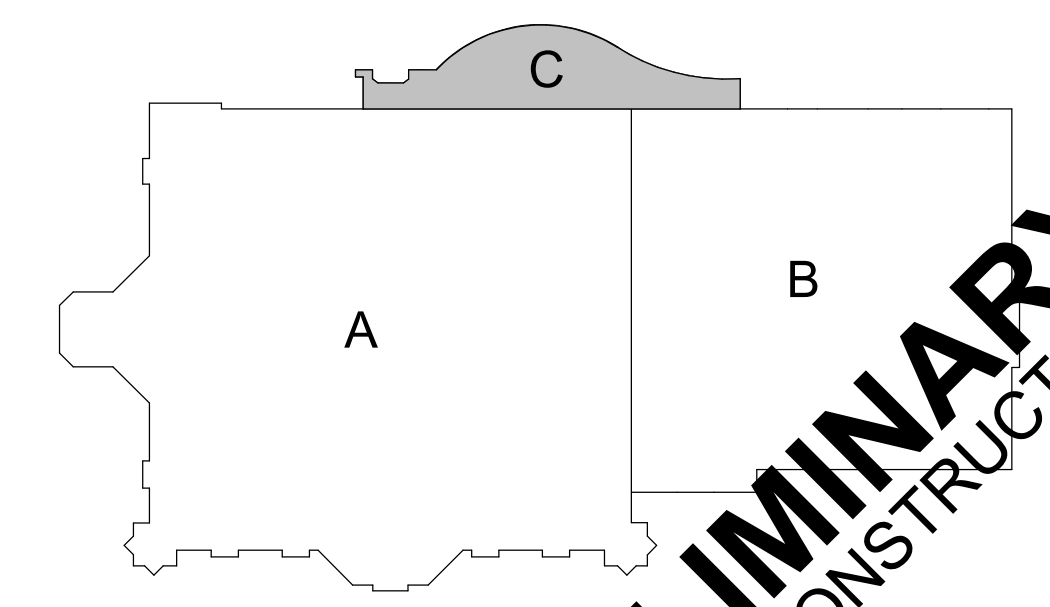
1 HVAC DUCTWORK PLAN - AREA B
 SCALE: 1/8" = 1'-0"

PRELIMINARY
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1 HVAC DUCTWORK PLAN - AREA C
SCALE: 1/8" = 1'-0"

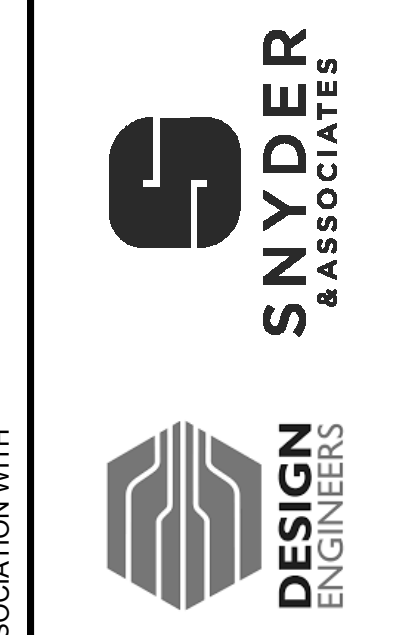
NEW WORK KEY	
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	NEW / REVISED
	EXISTING EQUIPMENT
	NEW / REVISED EQUIPMENT



PRELIMINARY
NOT FOR CONSTRUCTION

KEYED NOTES

IN ASSOCIATION WITH



SHEET TITLE
HVAC DUCTWORK PLAN - AREA C

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

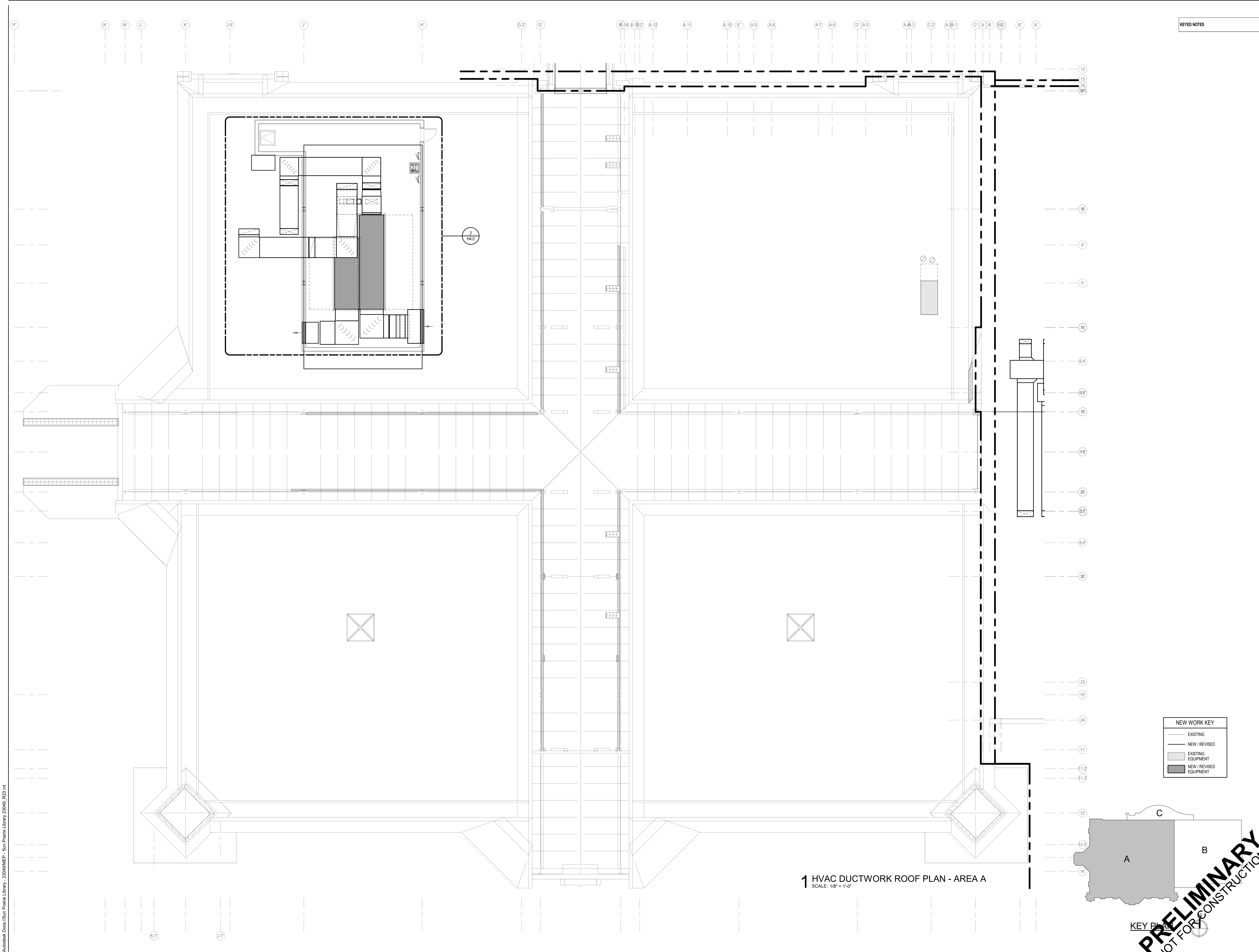
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SHEET
HV1.4



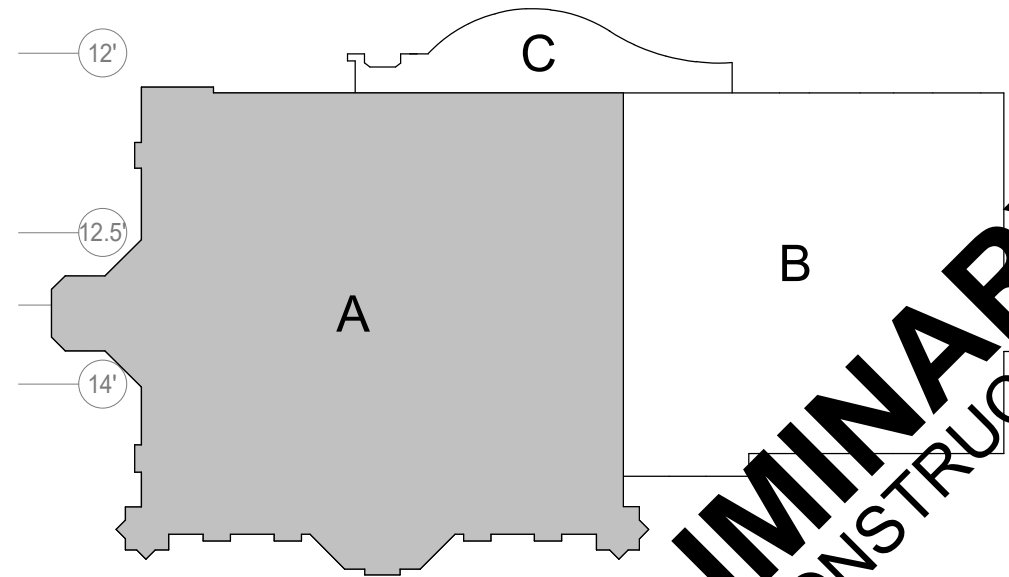
SIOUX CITY, IA (712) 252-3889
DES MOINES, IA (515) 288-2000
DUBUQUE, IA (663) 583-4500
OCONOMOWOC, WI (262) 968-2055



KEYED NOTES

NEW WORK KEY	
—	EXISTING
- - -	NEW / REVISED
□	EXISTING EQUIPMENT
□	NEW / REVISED EQUIPMENT

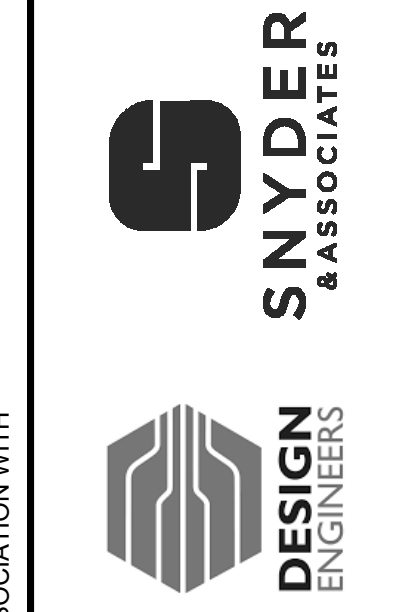
1 HVAC DUCTWORK ROOF PLAN - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

IN ASSOCIATION WITH



SHEET TITLE
HVAC DUCTWORK ROOF PLAN - AREA A

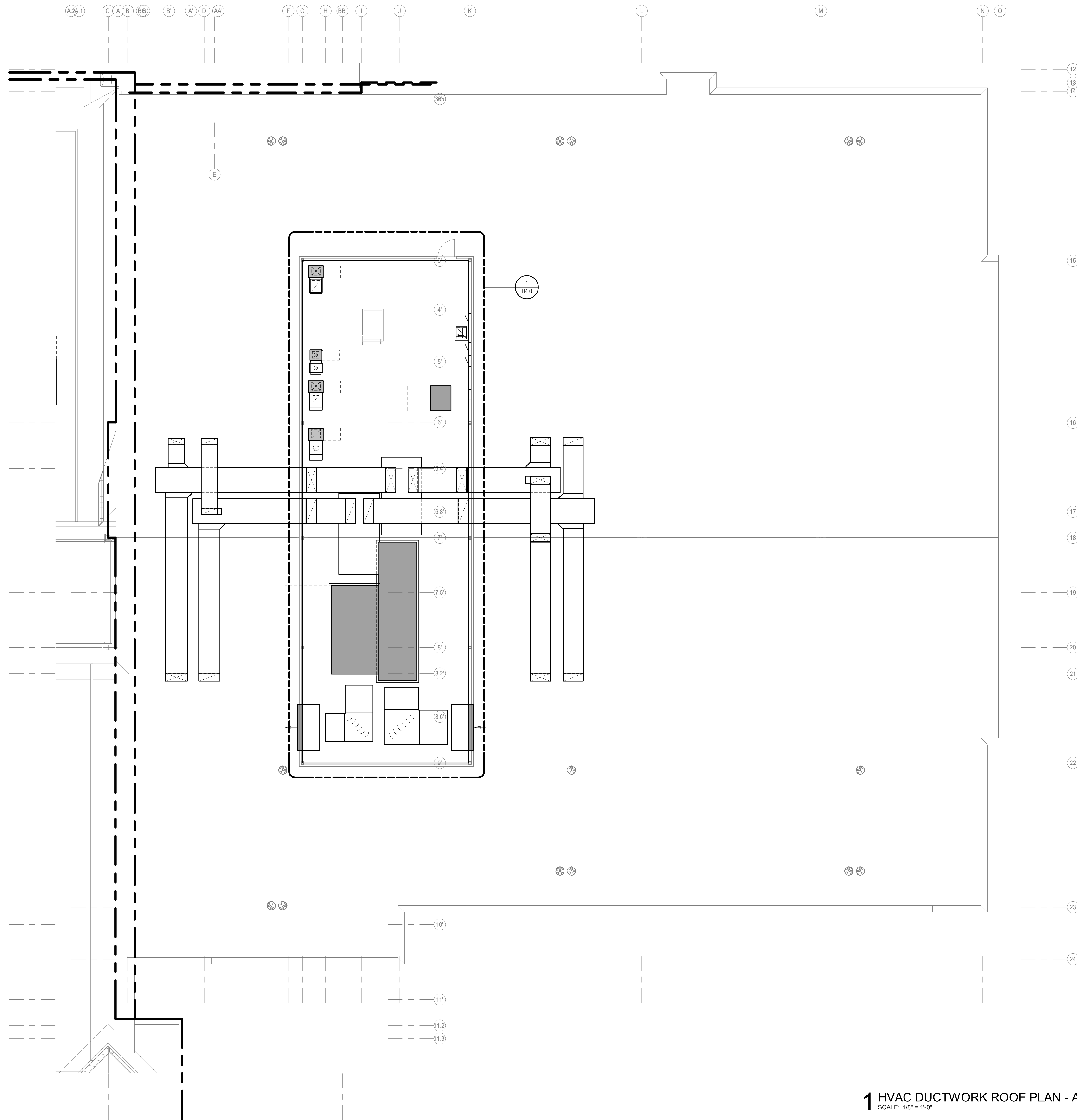
PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
REV. NO. DATE

PROJECT NUMBER
2023402

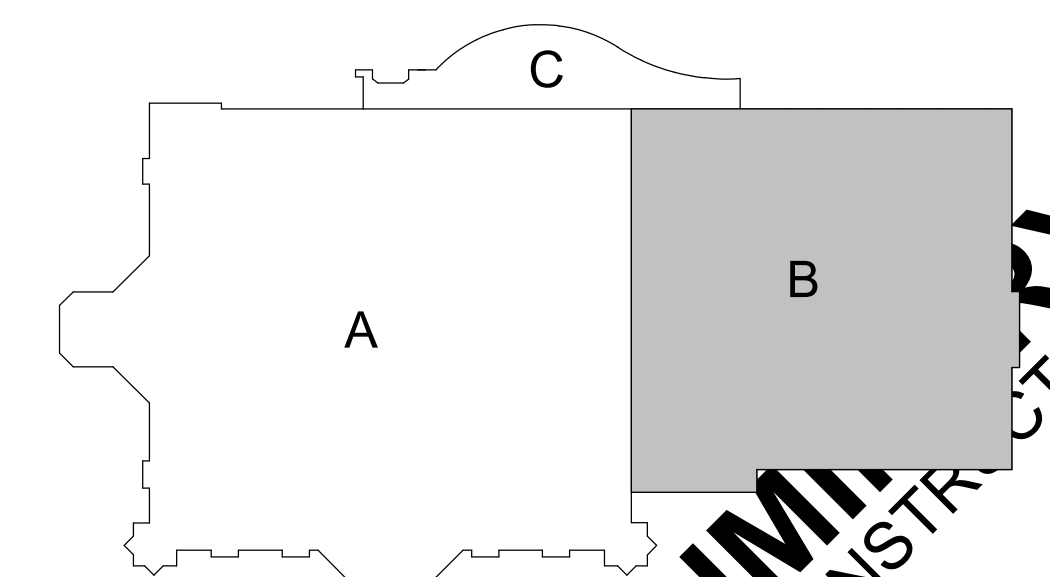
SHEET
HV2.2

FEH DESIGN
DESIGN ENGINEERS
SIOUX CITY, IA
(712) 252-3889
DES MOINES, IA
(515) 288-2000
DUBUQUE, IA
(663) 583-4500
OCONOMOWOC, WI
(262) 988-2055



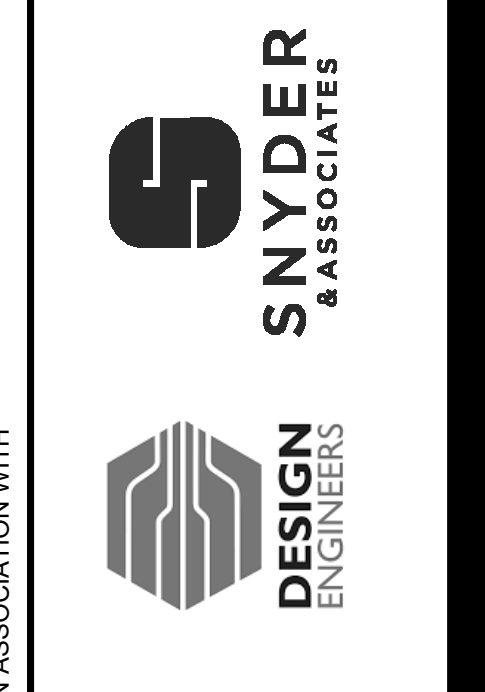
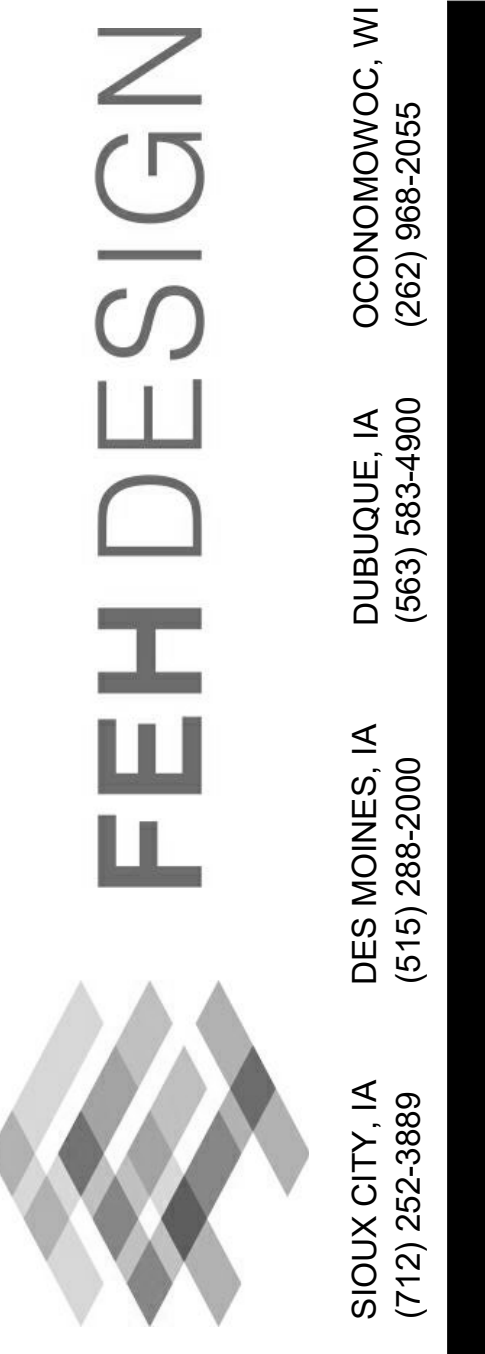
KEYED NOTES

NEW WORK KEY	
---	EXISTING
---	NEW / REVISED
□	EXISTING EQUIPMENT
□	NEW / REVISED EQUIPMENT



1 HVAC DUCTWORK ROOF PLAN - AREA B
SCALE: 1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

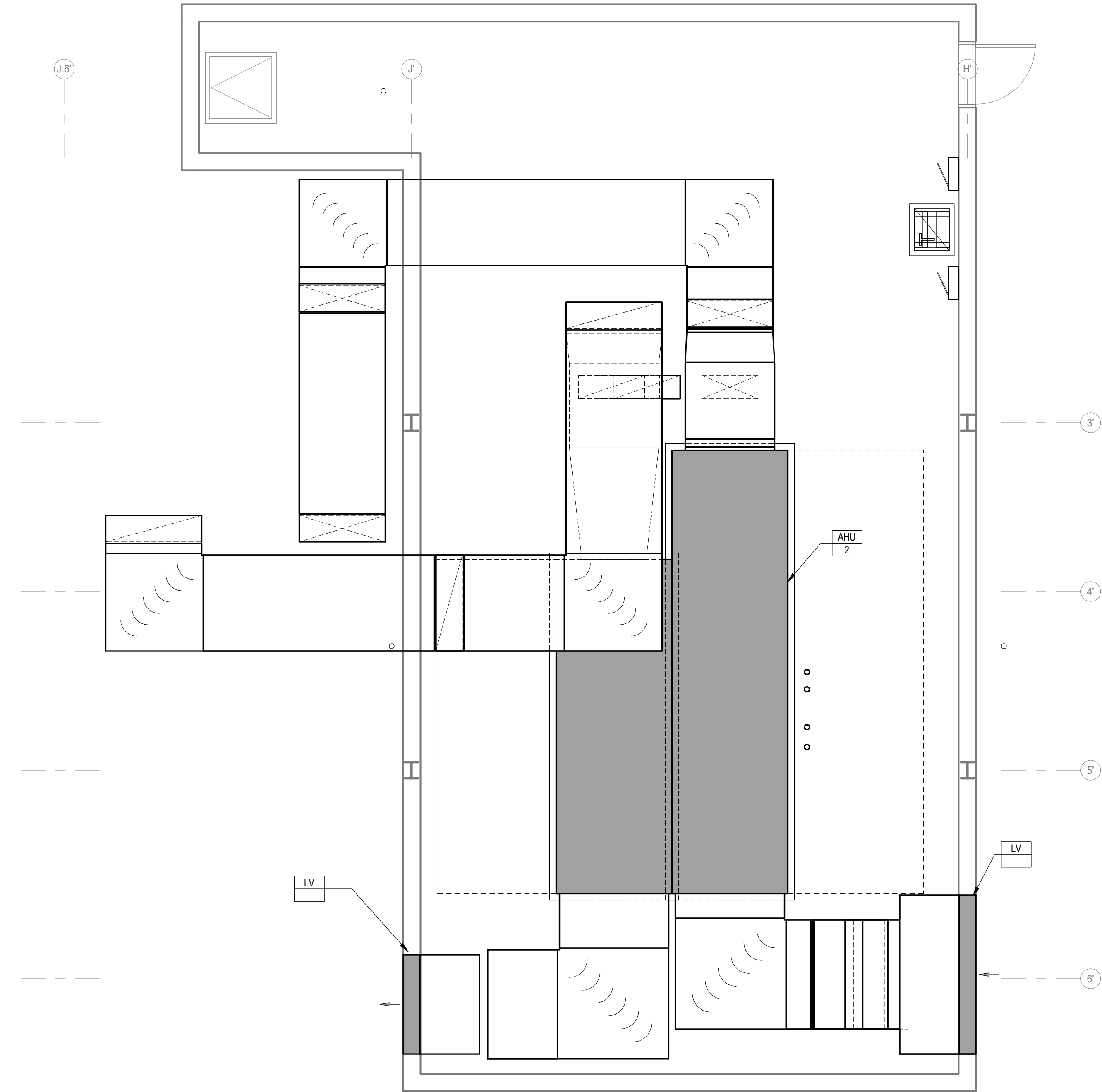


IN ASSOCIATION WITH
SHEET TITLE
HVAC DUCTWORK ROOF PLAN - AREA B

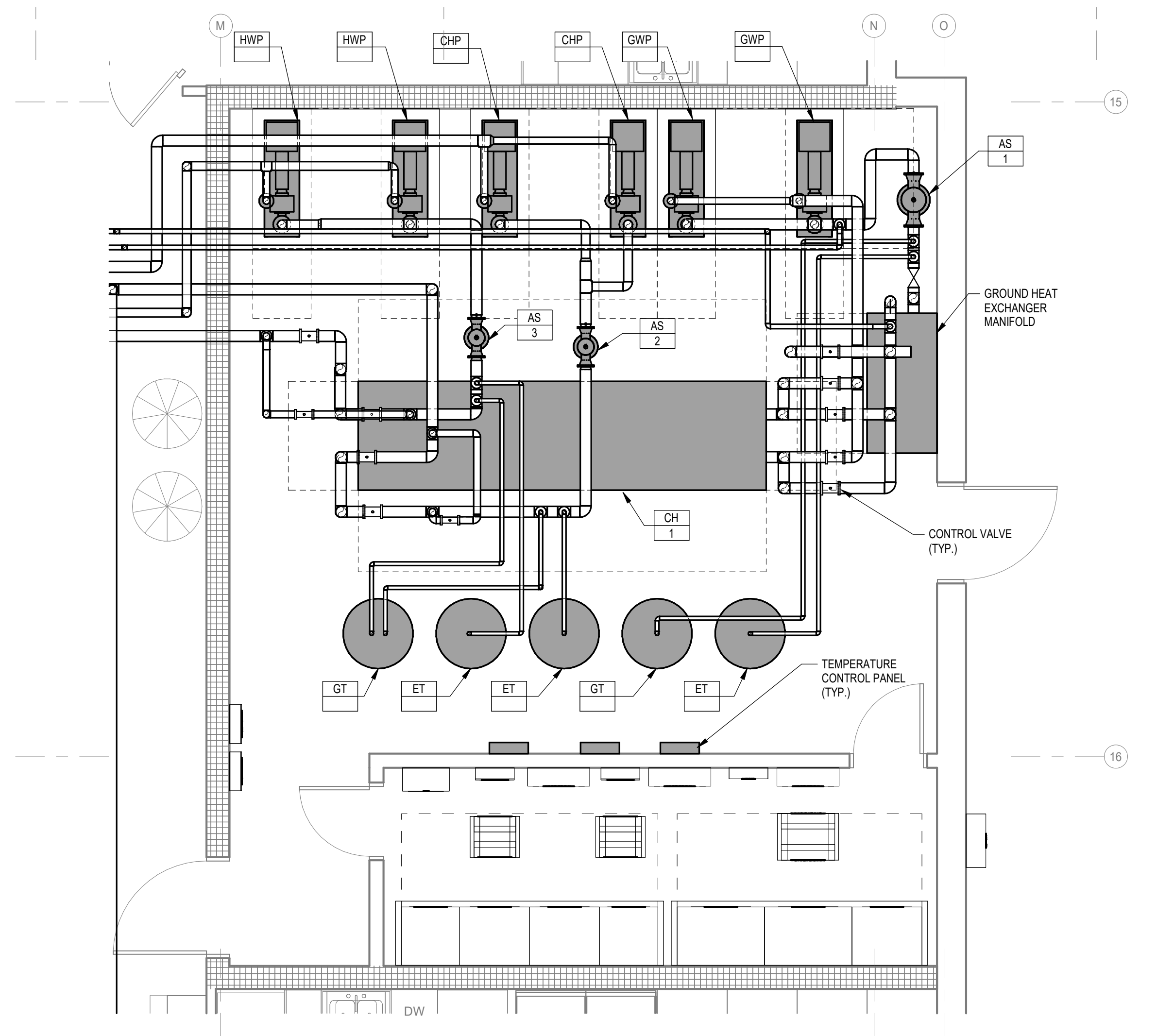
PROJECT TITLE
CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
REV. NO. DATE
PROJECT NUMBER
2023402
SHEET
HV2.3

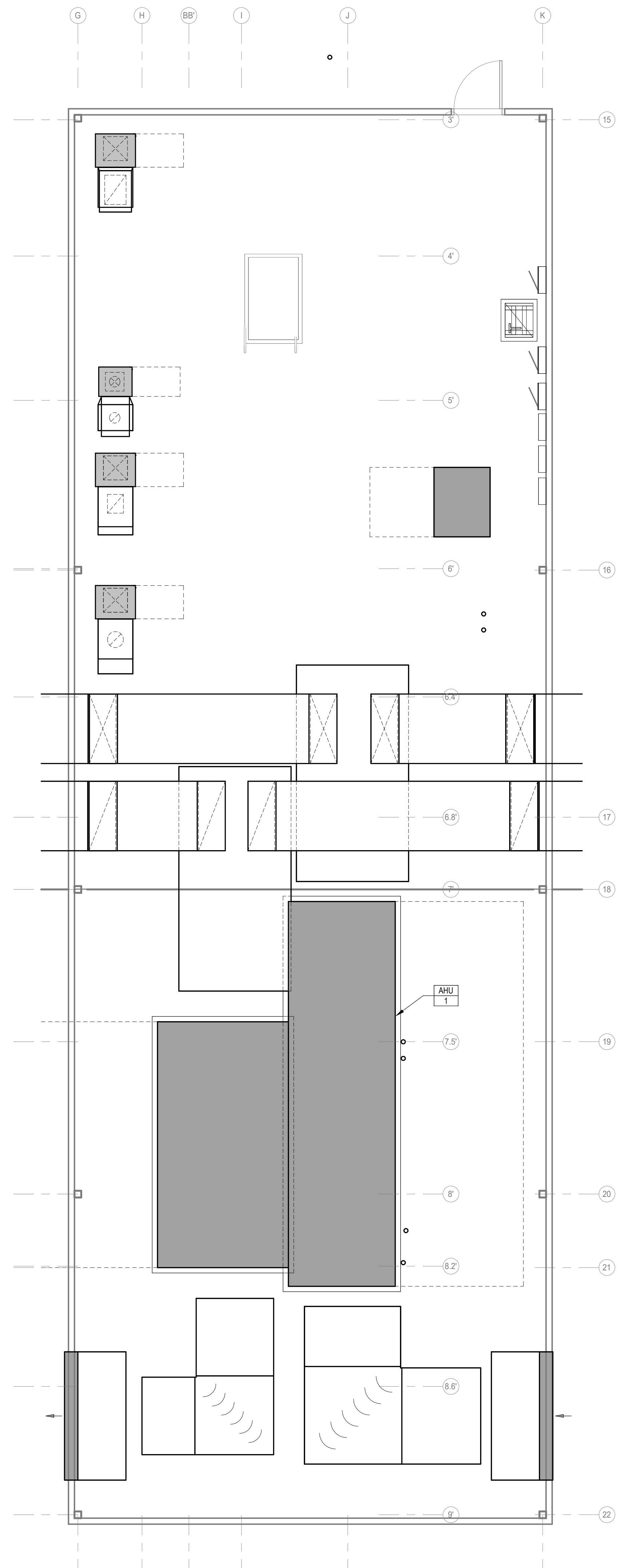
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DES MOINES, IA (515) 288-2000
DUBUQUE, IA (663) 583-4500
OCONOMOWOC, WI (262) 968-2055



2 HVAC - ENLARGED WEST PENTHOUSE PLAN
SCALE: 1/4" = 1'-0"



3 HVAC - MECHANICAL 1041 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



1 HVAC - ENLARGED EAST PENTHOUSE PLAN
SCALE: 1/4" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

WATER COOLED CHILLER SCHEDULE table with columns for PLAN MARK, MODE, COOLING CAP, HEATING CAP, EVAPORATOR, CONDENSER WATER, GEQ WATER, DIMENSIONS, WEIGHT, MANUFACTURER & MODEL NO., NOTES.

- NOTES: 1. SELECTIONS BASED ON 30% PROPYLENE GLYCOL. 2. PROVIDE WITH SUFFICIENT MODULES FOR N+1 REDUNDANCY. PROVIDE VME VALVE ASSEMBLY BETWEEN EACH MODULE. 3. INDIVIDUAL MODULES OF CHILLER TO BE NUMBERED 1A, 1B, ETC. FOR POWER AND CONTROLS PURPOSES.

RADIANT FLOOR SCHEDULE table with columns for PLAN MARK, AREA SERVED, ACTIVE AREA, TUBE SPACING, TUBE SIZE, AVERAGE ACTIVE LENGTH, TOTAL ACTIVE LENGTH, NUMBER OF CIRCUITS, HEATING WATER PERFORMANCE, NOTES.

- NOTES: 1. ESTIMATED AREAS AND PIPING LENGTHS. CONTRACTOR SHALL VERIFY EXACT ZONE AND CIRCUIT AREAS AND PIPING AND CIRCUIT LENGTHS. 2. ESTIMATED AREAS AND PIPING LENGTHS. CONTRACTOR SHALL VERIFY EXACT ZONE AND CIRCUIT AREAS AND PIPING AND CIRCUIT LENGTHS. 3. SEE DETAIL ___ FOR RADIANT FLOOR HEADER REQUIREMENTS.

UNIT HEATER SCHEDULE table with columns for PLAN MARK, AIR TEMP, CAPACITY, PRESS. DROP, ENT. WATER, LVG. WATER, MOTOR, MANUFACTURER, MODEL NO. & ARRANGEMENT, NOTES.

- NOTES: 1.

CONVECTOR SCHEDULE table with columns for PLAN MARK, SIZE, CAPACITY, ENTERING WATER, FLOW, ENT. AIR TEMP., MANUFACTURER, NOTES.

- NOTES: 1.

WATER SOURCE WATER-TO-AIR HEAT PUMP SCHEDULE table with columns for PLAN MARK, TOTAL UNIT, COOLING UNIT, HEATING UNIT, COND. WATER, FAN MTR, MODEL NO., NOTES.

- NOTES: 1. SELECTIONS BASED ON CLIMATEMASTER. SEE SPECIFICATIONS FOR OTHER MANUFACTURERS. 2. EER'S AND COP'S ARE AT ARI-HSO 330 CLOSED LOOP GSHSP CONDITIONS (77 SUM, 32 WIN). 3. SELECTIONS BASED ON 75/63 EAT COOLING, 70 EAT HEATING, 25% PROPYLENE GLYCOL, 90 EWT COOLING, 30 EWT HEATING. 4. FAN SPEED TO BE SET TO MEET AIRFLOW AT DIFFUSERS. 5. PROVIDE HEAT PUMP WITH FILTER RACK. 6. PROVIDE TWO-WAY TWO-POSITION HEAT PUMP CONDENSER WATER CONTROL VALVE. 7. PROVIDE UNIT WITH 2 SPEED COMPRESSOR. 8. PROVIDE UNIT WITH ECM2 MOTOR.

GLYCOL MAKE-UP WATER SYSTEM table with columns for PLAN MARK, SYSTEM, GLYCOL TYPE, TANK SIZE, MAX FILL, ELECTRICAL, MANUFACTURER AND MODEL NO., NOTES.

- NOTES: 1. PROVIDE MAKE-UP WATER SYSTEM WITH LOW LEVEL ALARM AND CONTROLLER, PRESSURIZED TANK, CHECK VALVE, PRV FILL VALVE, INLET AND OUTLET ISOLATION VALVES, PRESSURE GAUGES, GLYCOL MIXING TANK, AND FILL PUMP. 2. LOW LEVEL ALARM TO BE MONITORED BY DDC SYSTEM. COORDINATE CONNECTIONS WITH TEMPERATURE CONTROLS CONTRACTOR.

PUMP SCHEDULE table with columns for PLAN MARK, HEAD, IMPELLER SIZE, WATER TEMP, SIZE, MOTOR, TDV, SUCTION, MANUFACTURER & MODEL NO., NOTES.

- NOTES: 1. ALL 3-PHASE MOTORS SHALL BE INVERTER DUTY RATED (REFER TO SECTION 23 0513) AND SHALL HAVE SUITABLE COUPLING DESIGN FOR VARIABLE SPEED OPERATION (GEAR COUPLING WITH INTERNAL TEETH OR SIMILAR). PUMP SELECTION AT DESIGN CONDITIONS SHALL RESULT IN THE OPERATING POINT TO THE RIGHT OF THE BEST EFFICIENCY POINT. 2. SELECTION BASED ON BELL & GOSSETT, REFER TO 23 2123 FOR OTHER APPROVED MANUFACTURERS AND PUMP REQUIREMENTS.

VIBRATION ISOLATION SCHEDULE table with columns for EQUIPMENT PLAN MARK, EQUIPMENT DESCRIPTION, BASE TYPE, ISOLATOR TYPE, MIN. DEFLECTION, MANUFACTURER & MODEL NUMBER, NOTES.

- NOTES: 1.

CABINET UNIT HEATER & UNIT HEATER SCHEDULE table with columns for PLAN MARK, AIR TEMP, CAPACITY, PRESS. DROP, AVG. WATER, MOTOR, MANUFACTURER, MODEL NO. & ARRANGEMENT, NOTES.

- NOTES: 1.

EXPANSION TANK SCHEDULE table with columns for PLAN MARK, LOCATION, SYSTEM, SIZE, CAPACITY, ACCEPT, MANUFACTURER AND MODEL NO., NOTES.

- NOTES: 1. SYSTEM SIZING BASED ON 15 PSI FILL PRESSURE, 25 PSI MAX. EXPANSION TANK PRESSURE, 75 PSI RELIEF VALVE SETTING. 2. PROVIDE SYSTEM WITH BELL AND GOSSETT MODEL 790 PRESSURE RELIEF VALVE (75 PSI SETTING).

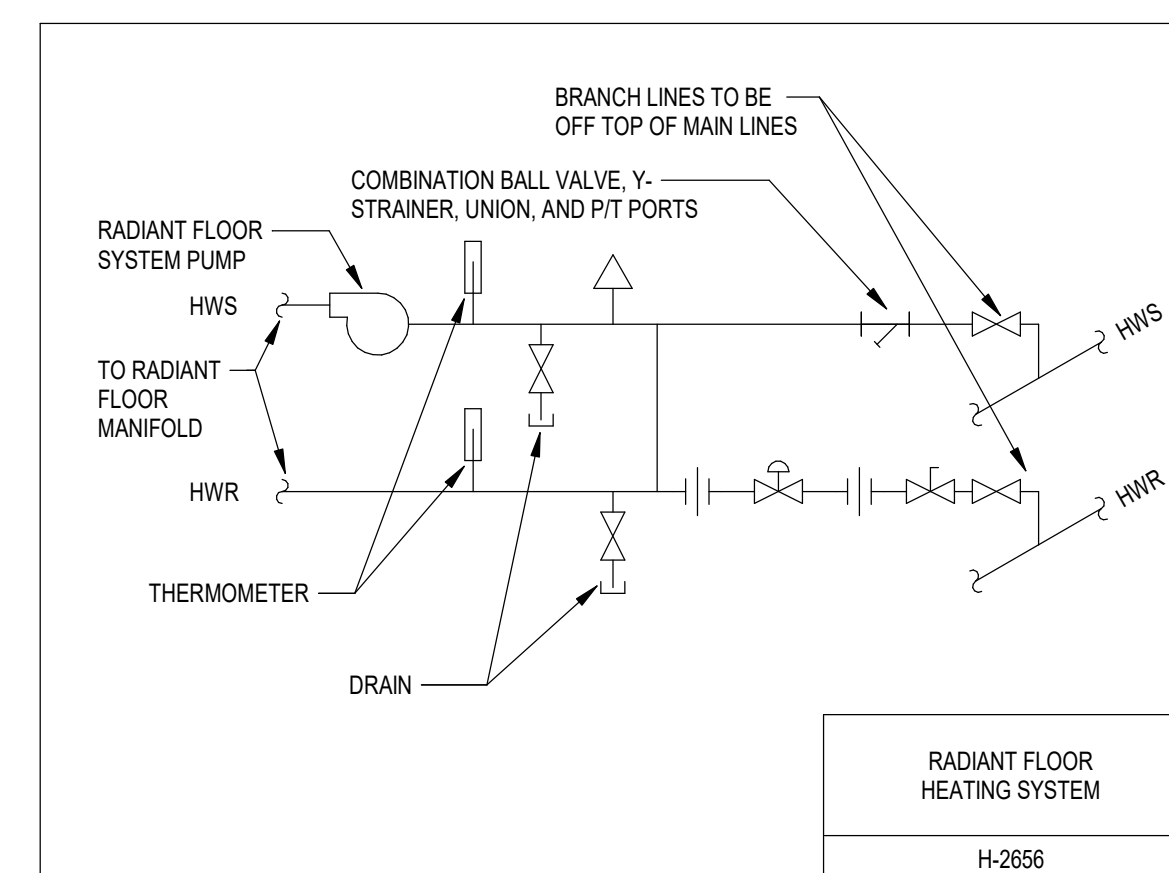
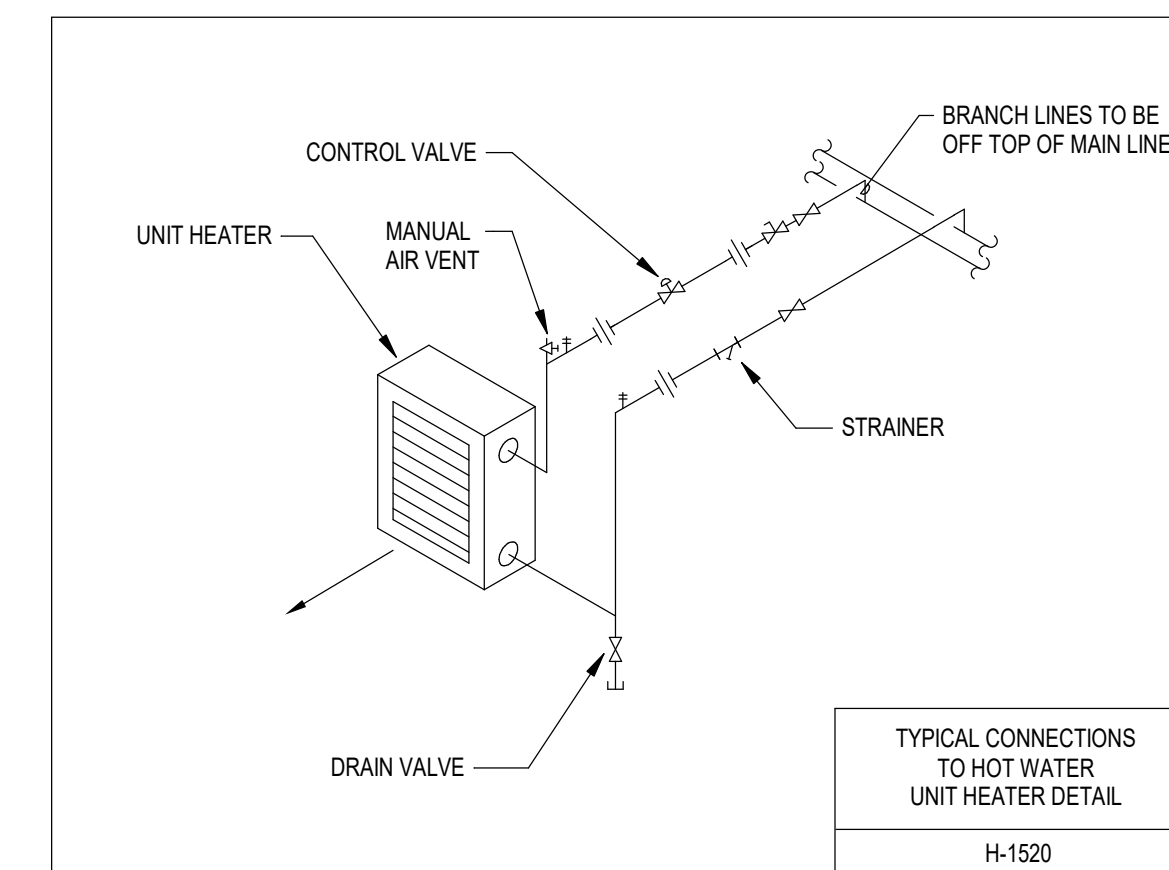
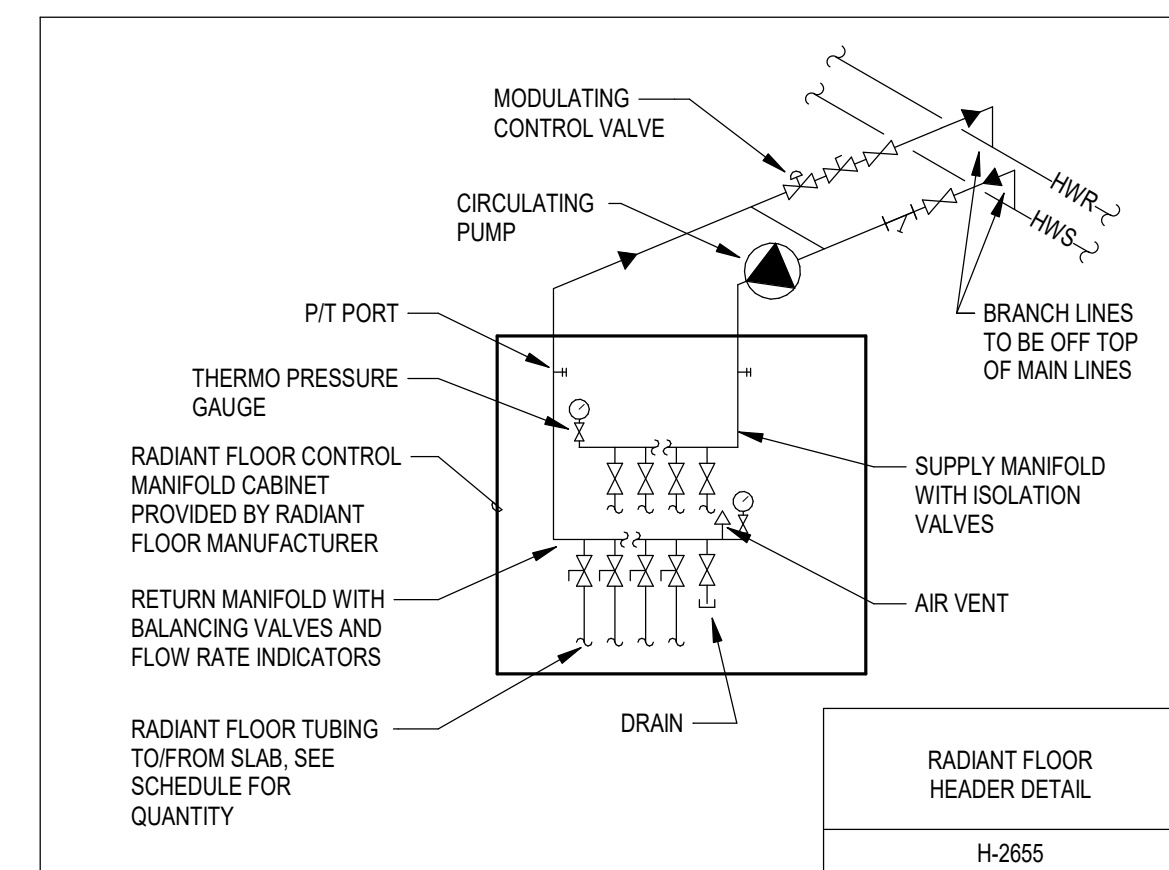
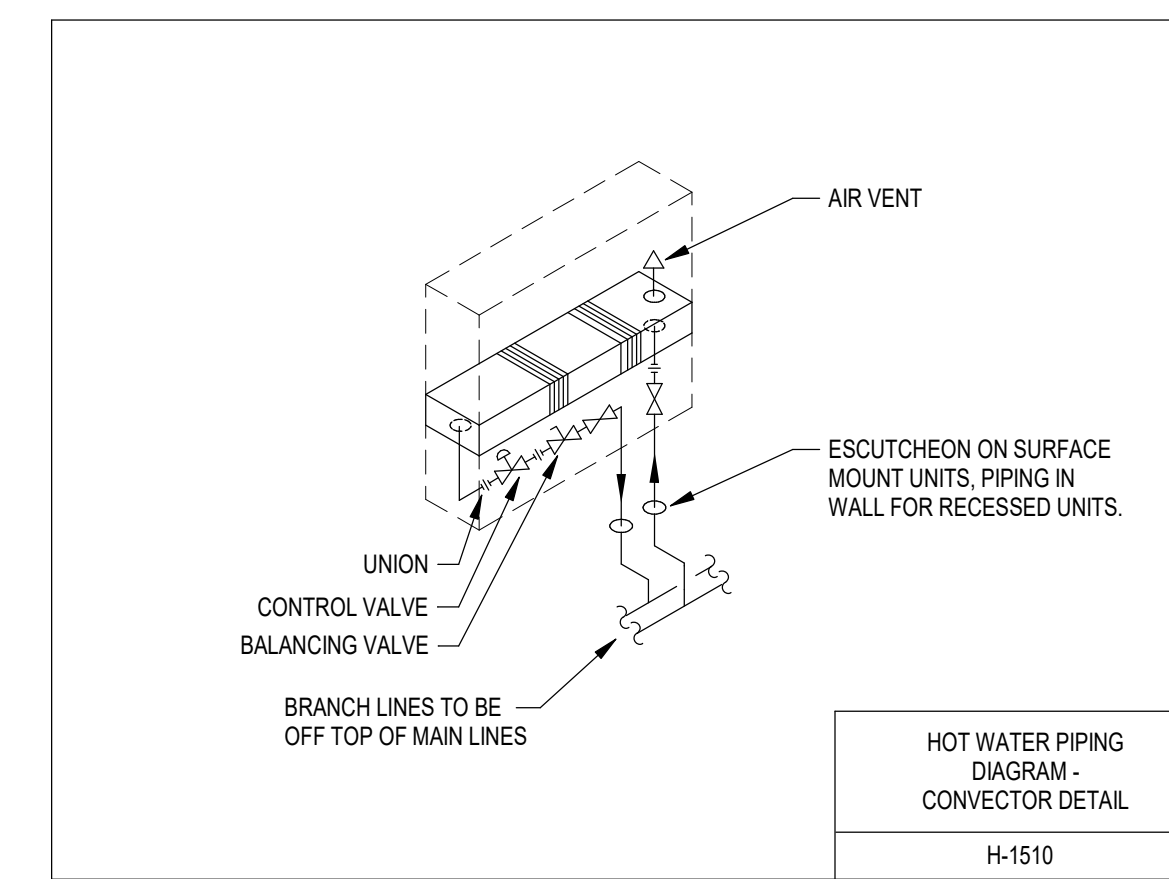
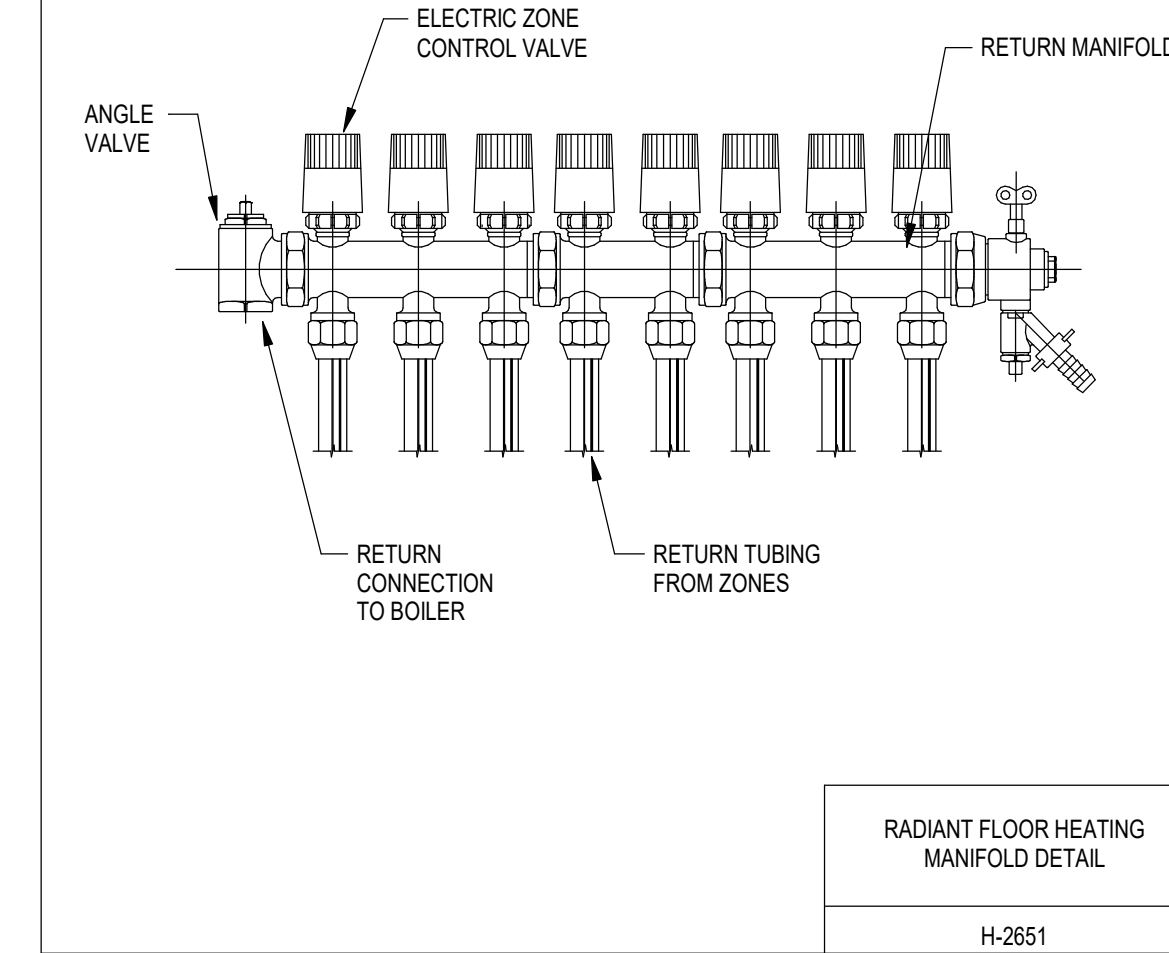
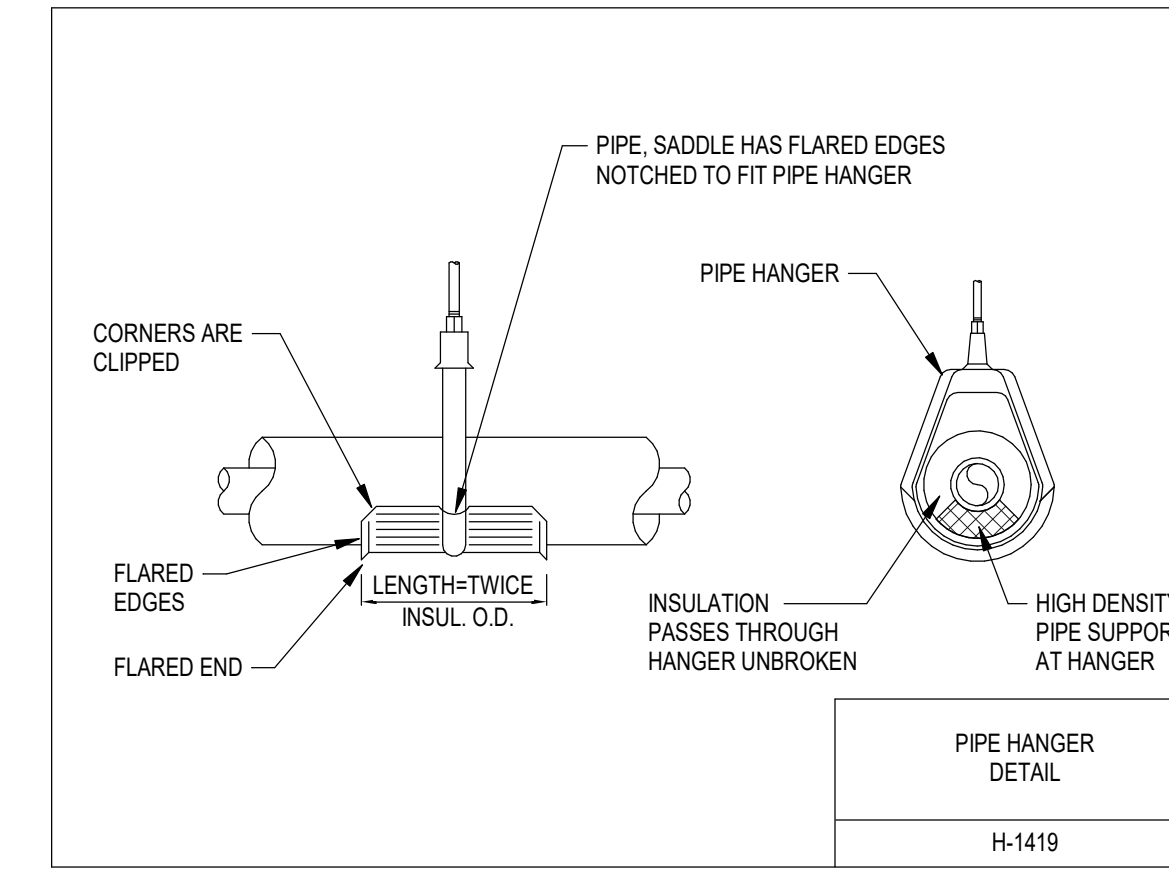
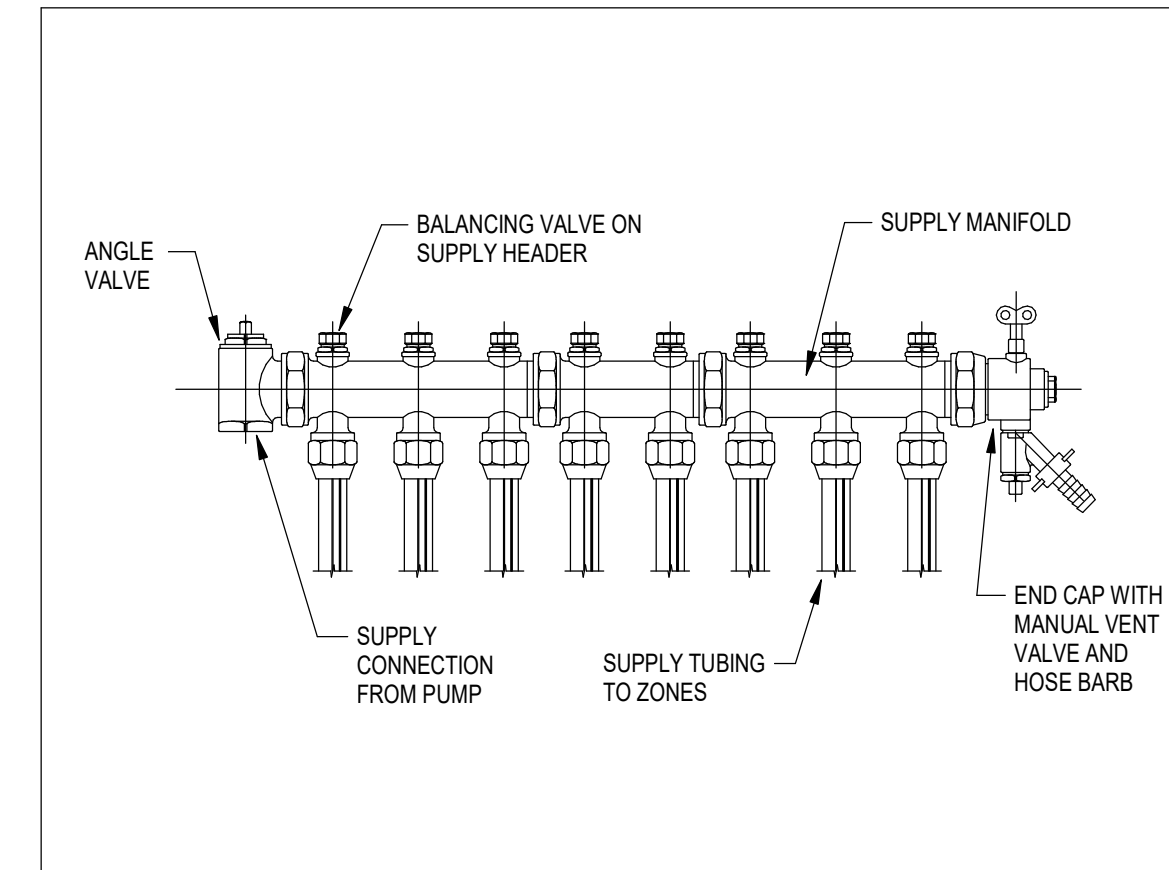
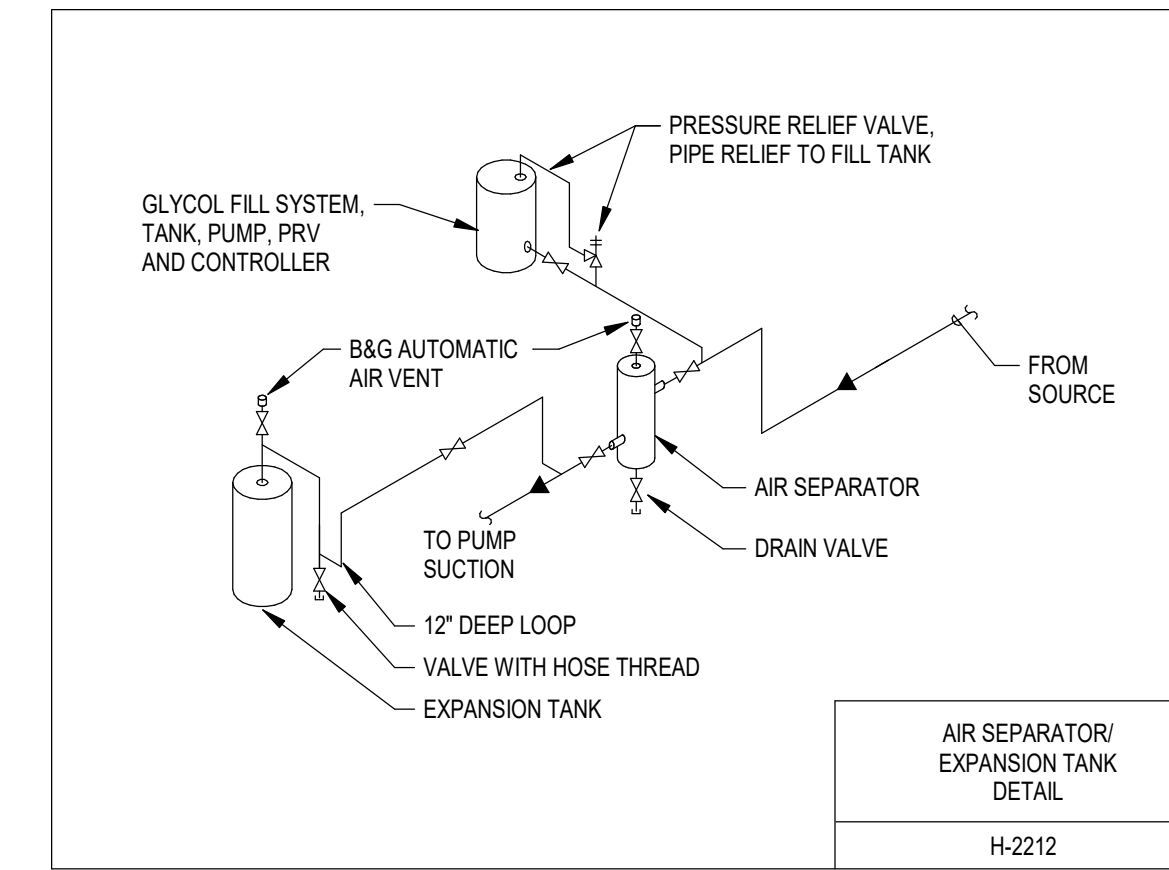
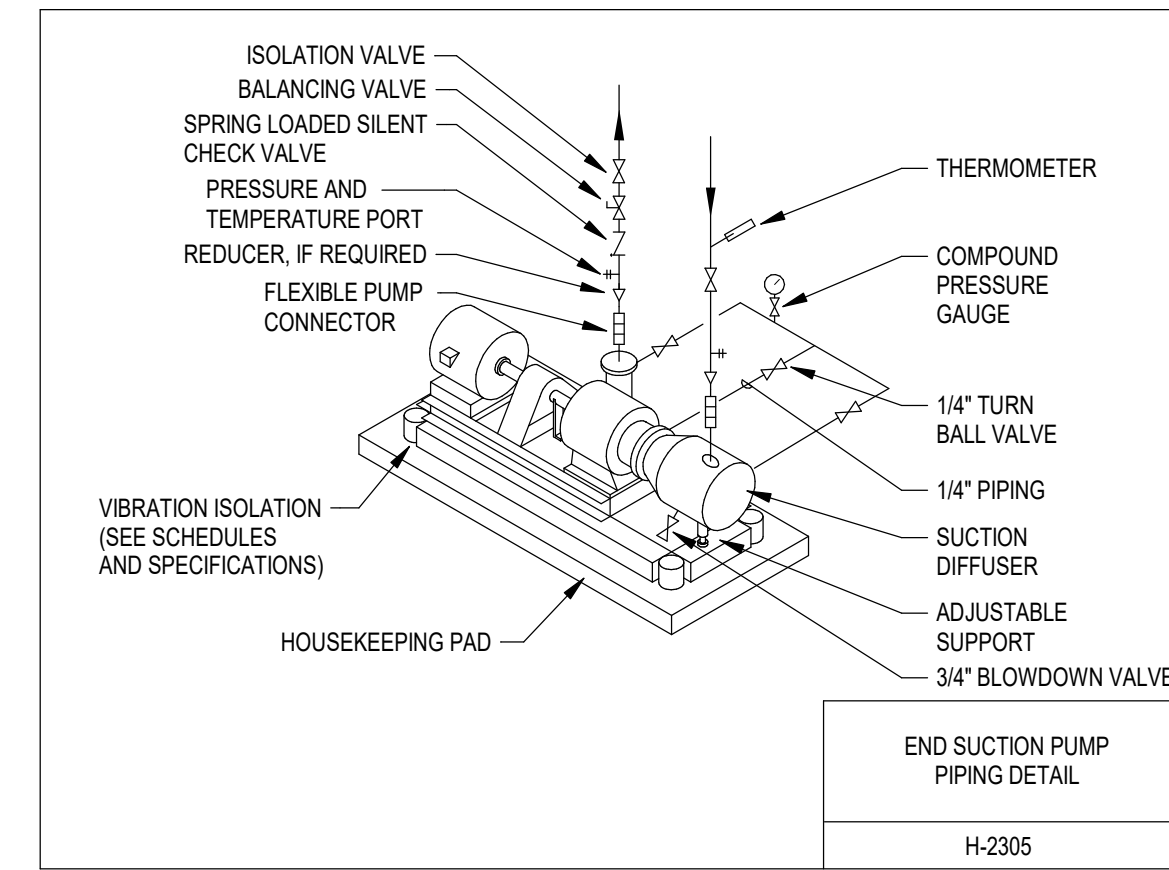
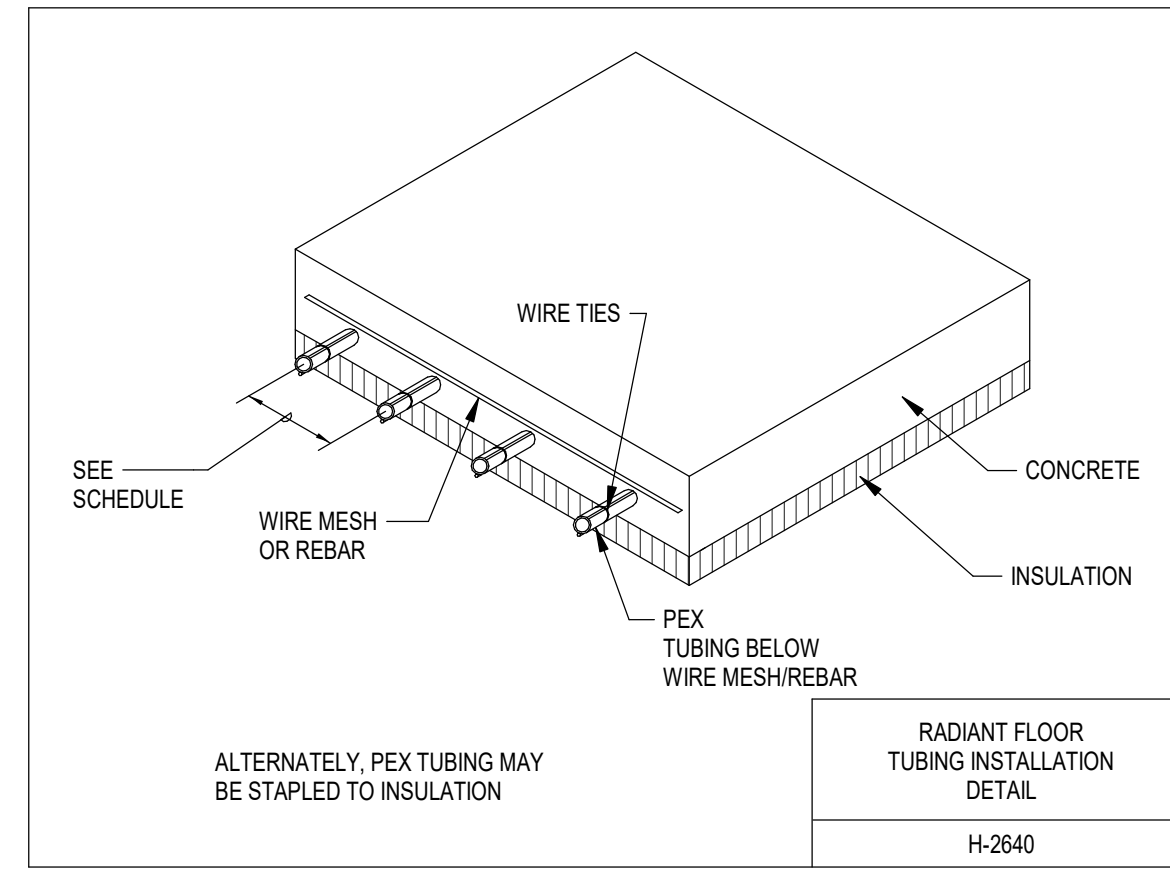
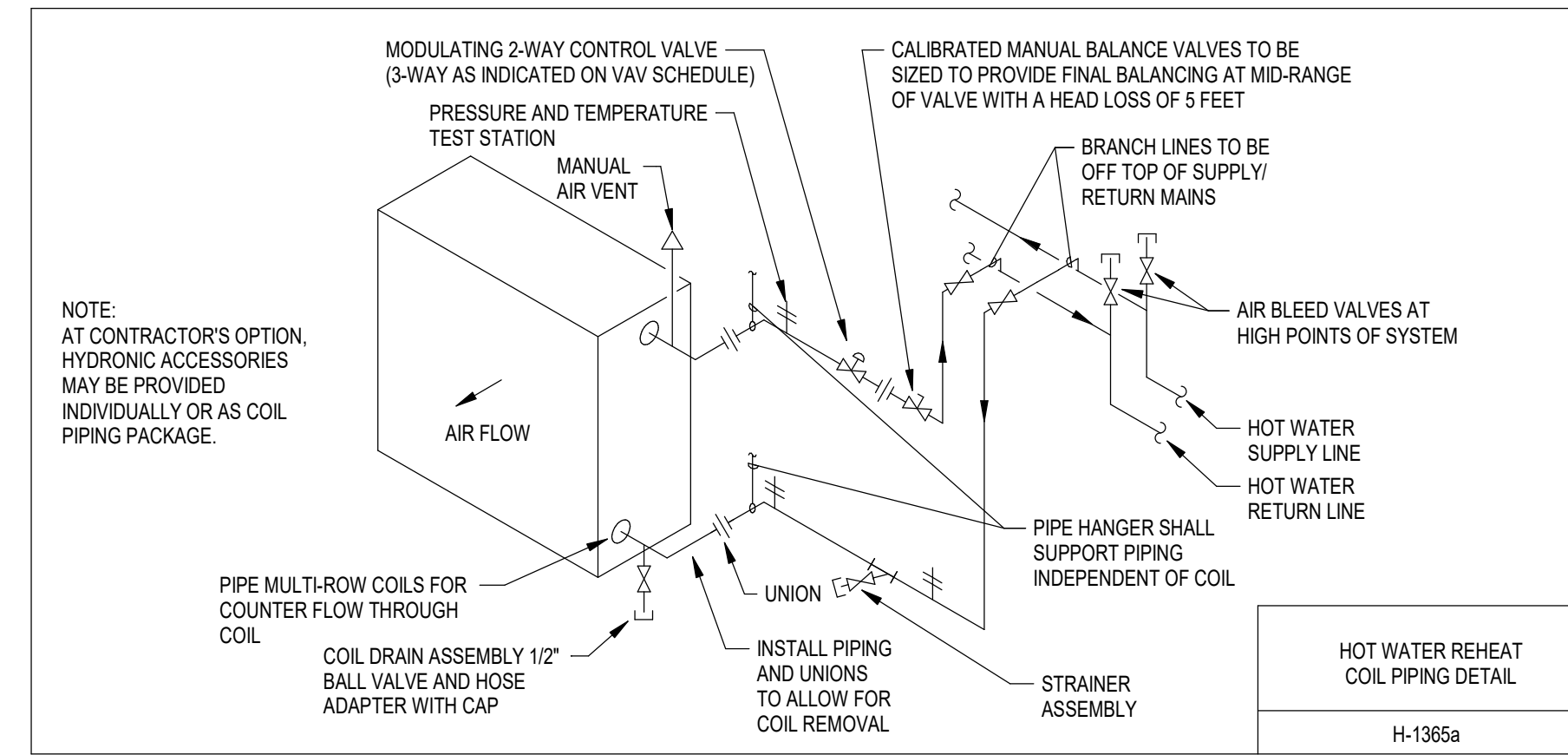
AIR SEPARATOR SCHEDULE table with columns for PLAN MARK, SYSTEM, FLOW, PD, AIR REMOVAL EFFICIENCY, MANUFACTURER AND MODEL NO., NOTES.

- NOTES: 1.

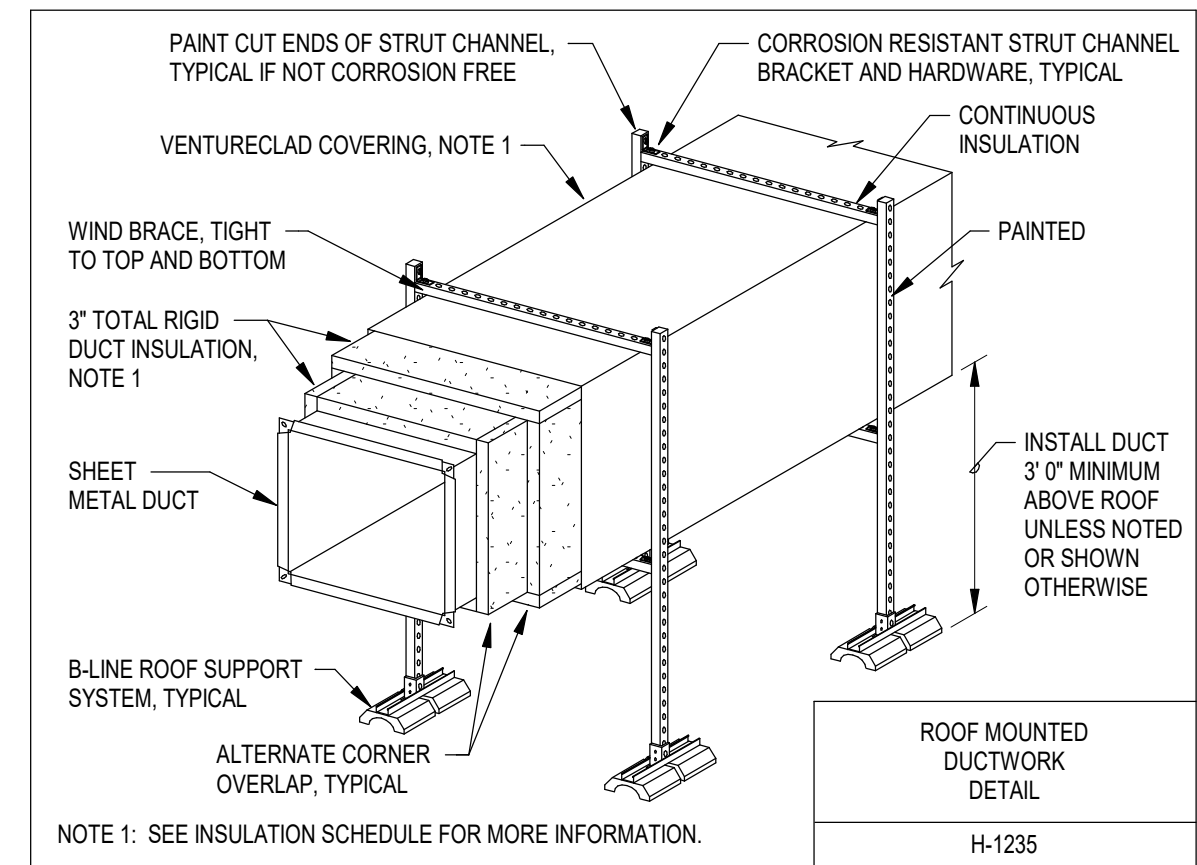
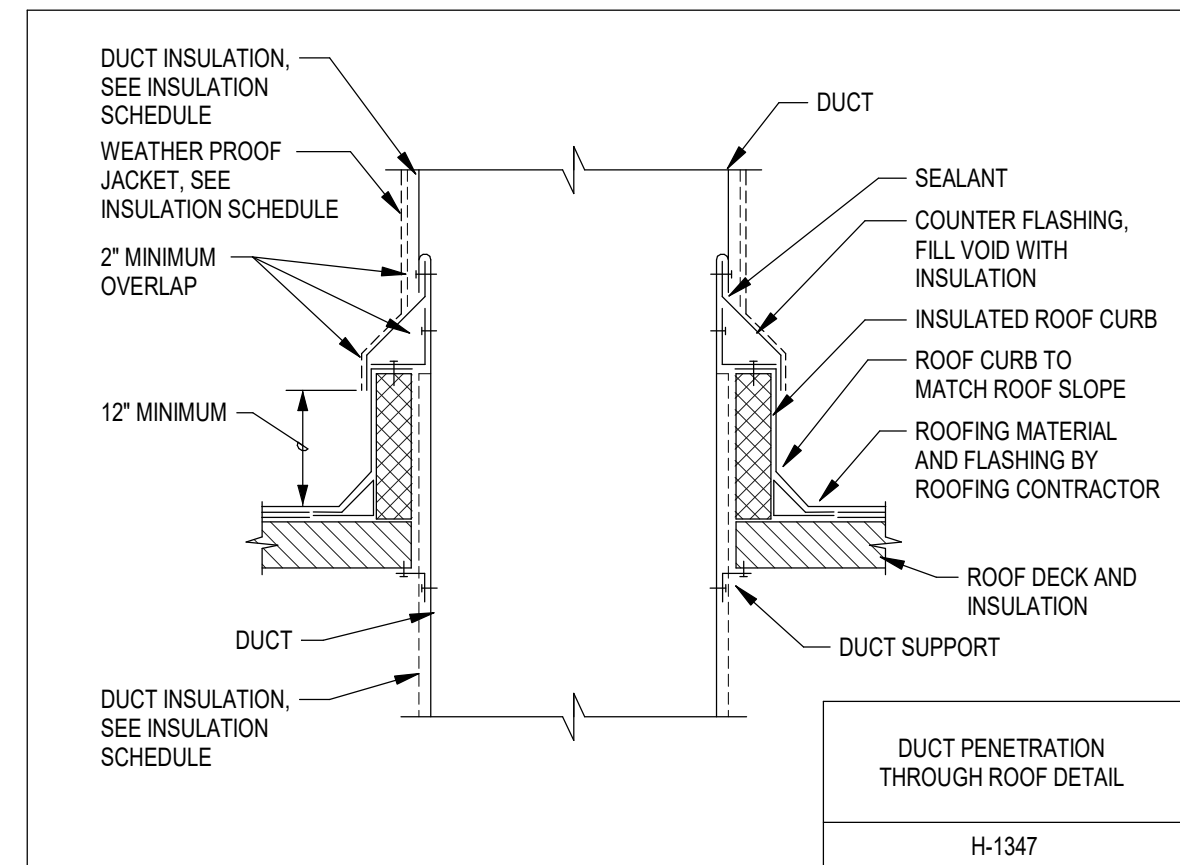
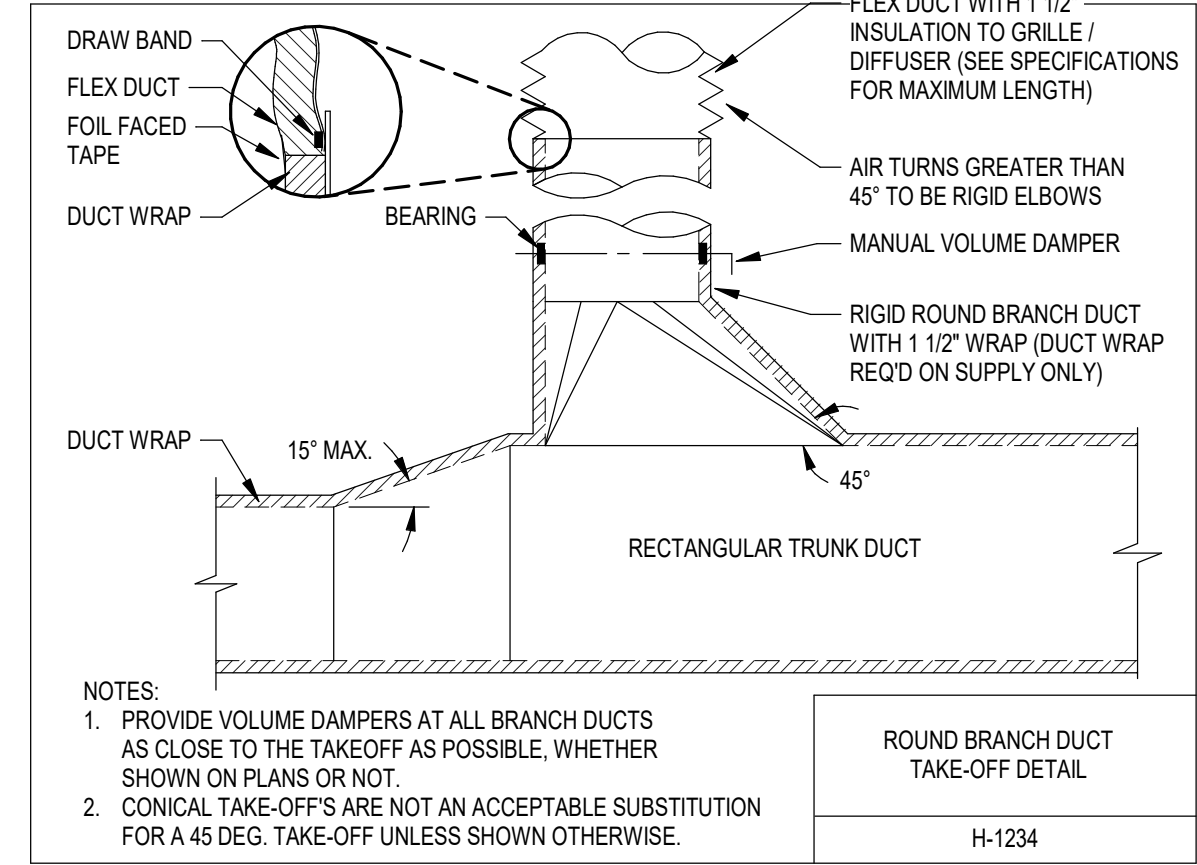
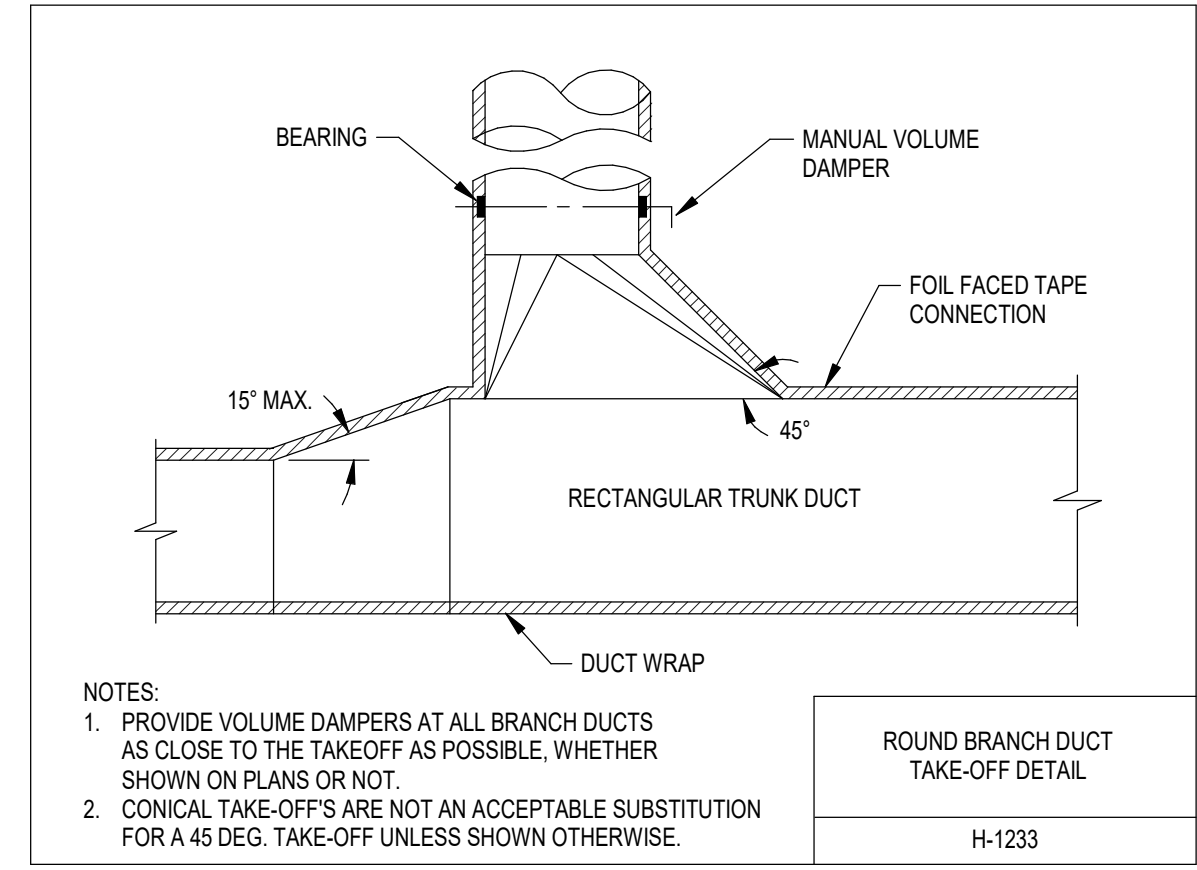
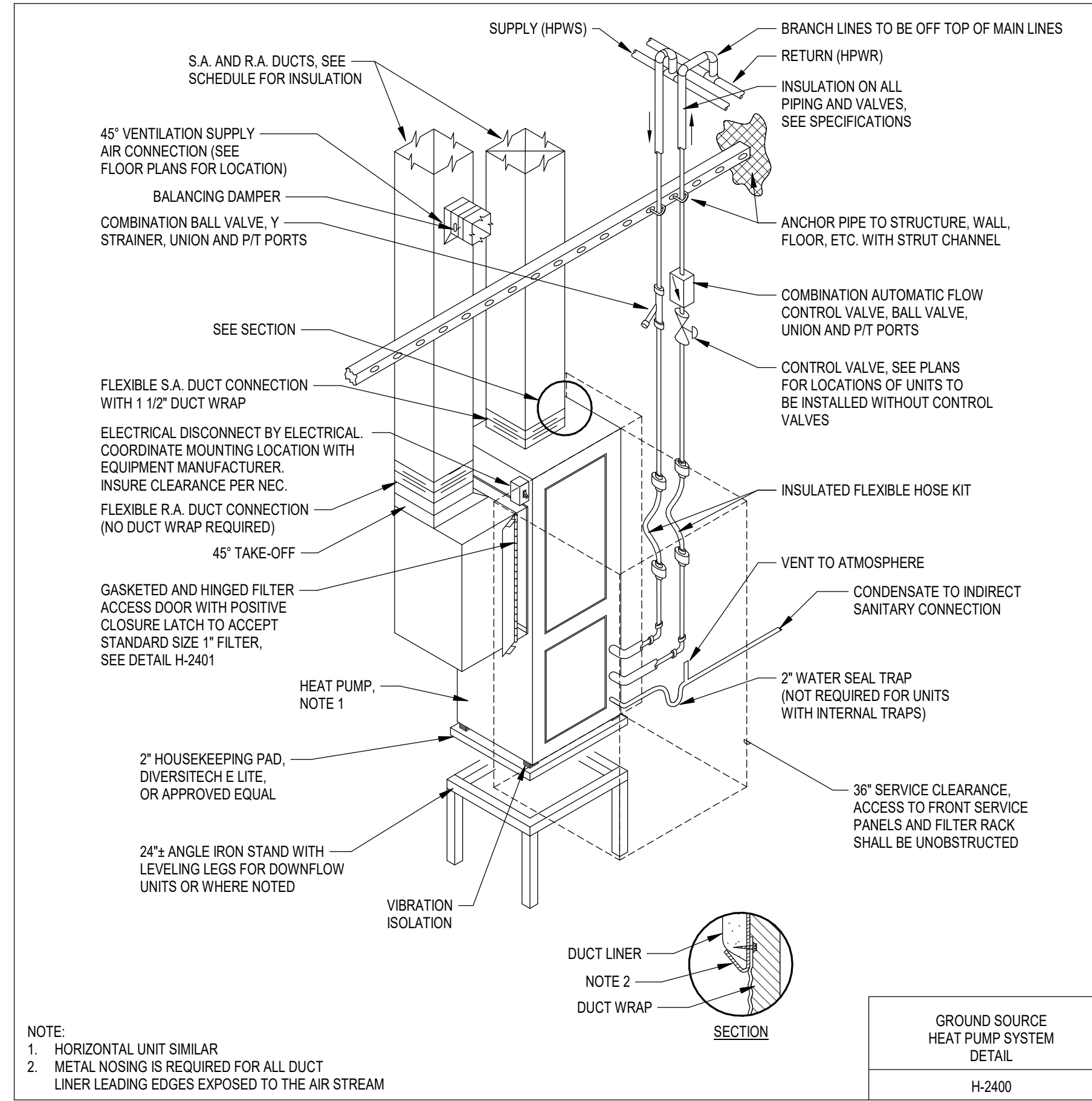
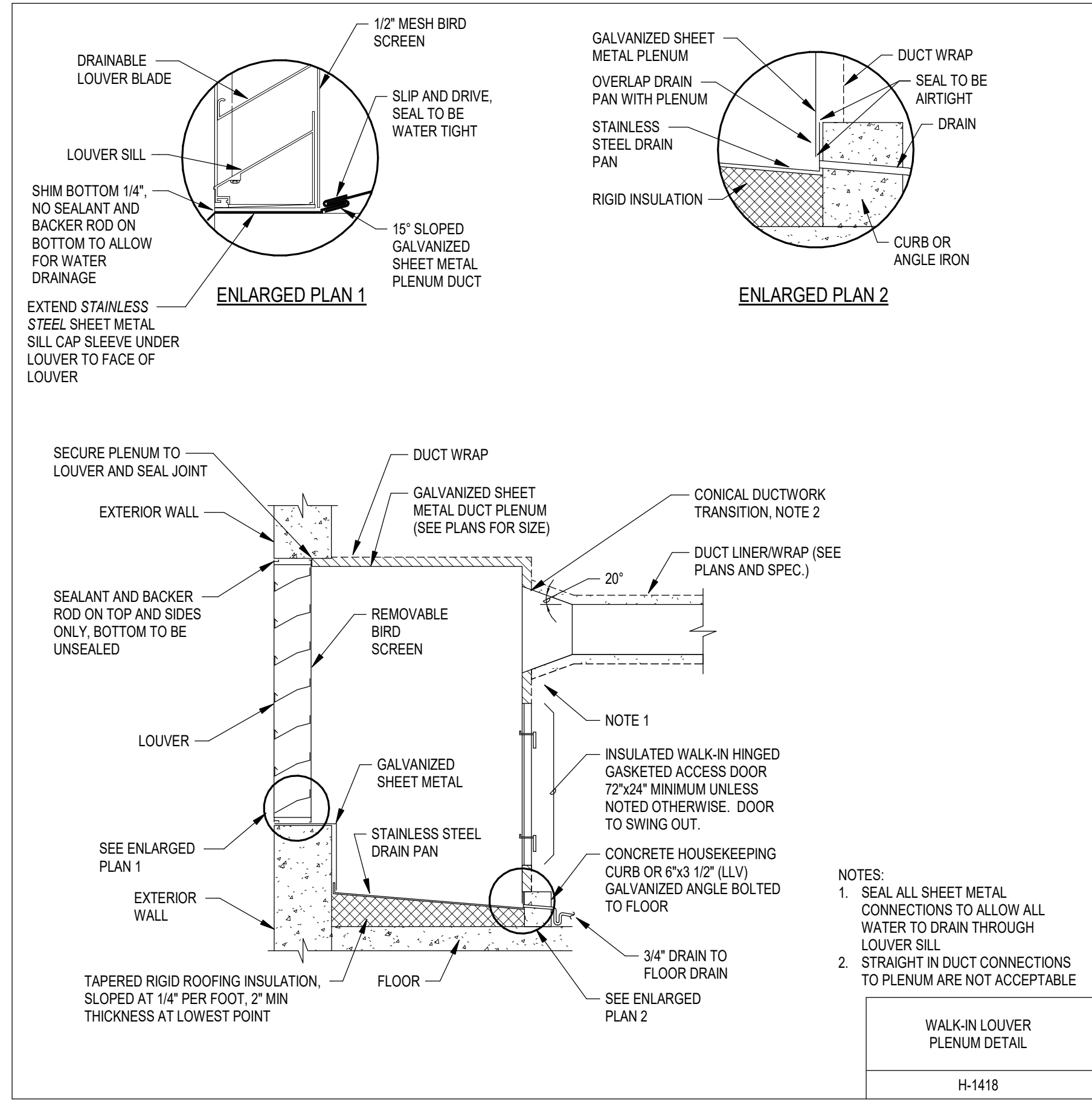
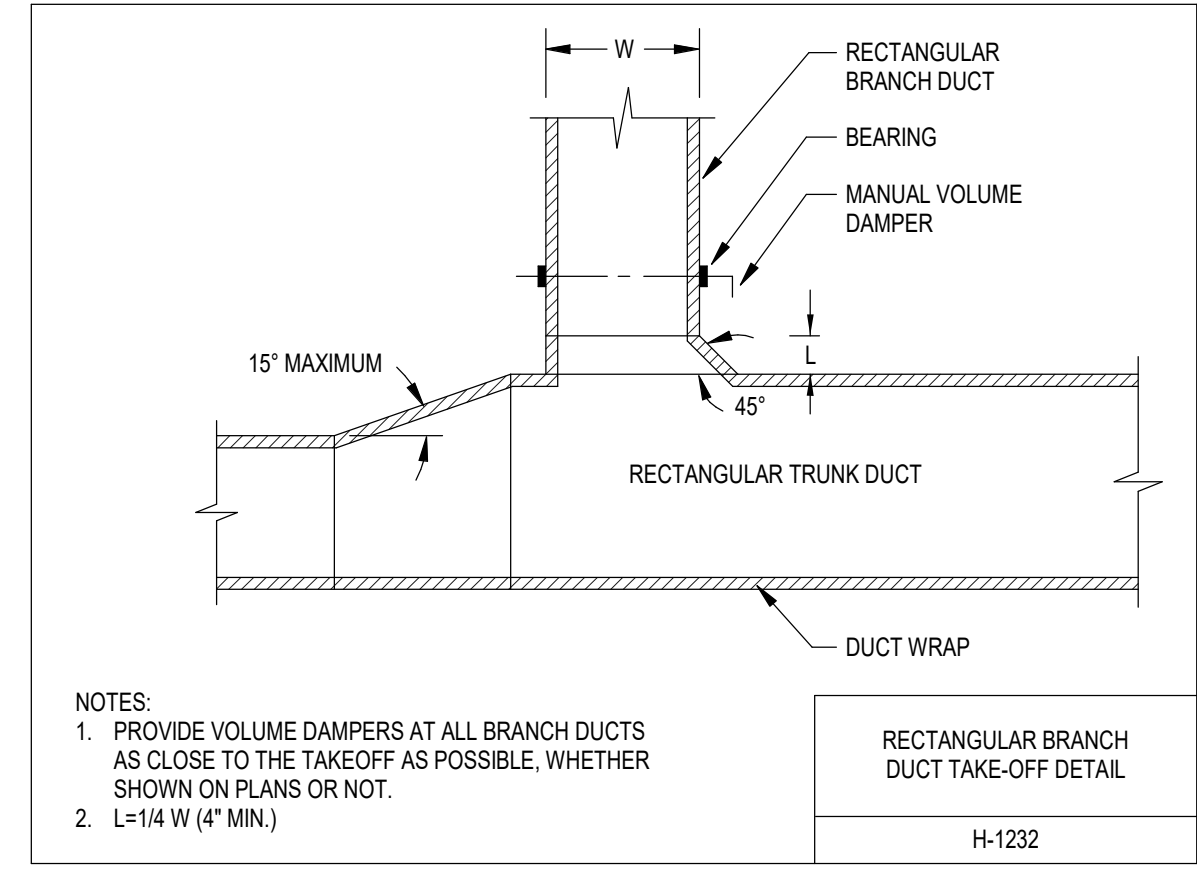
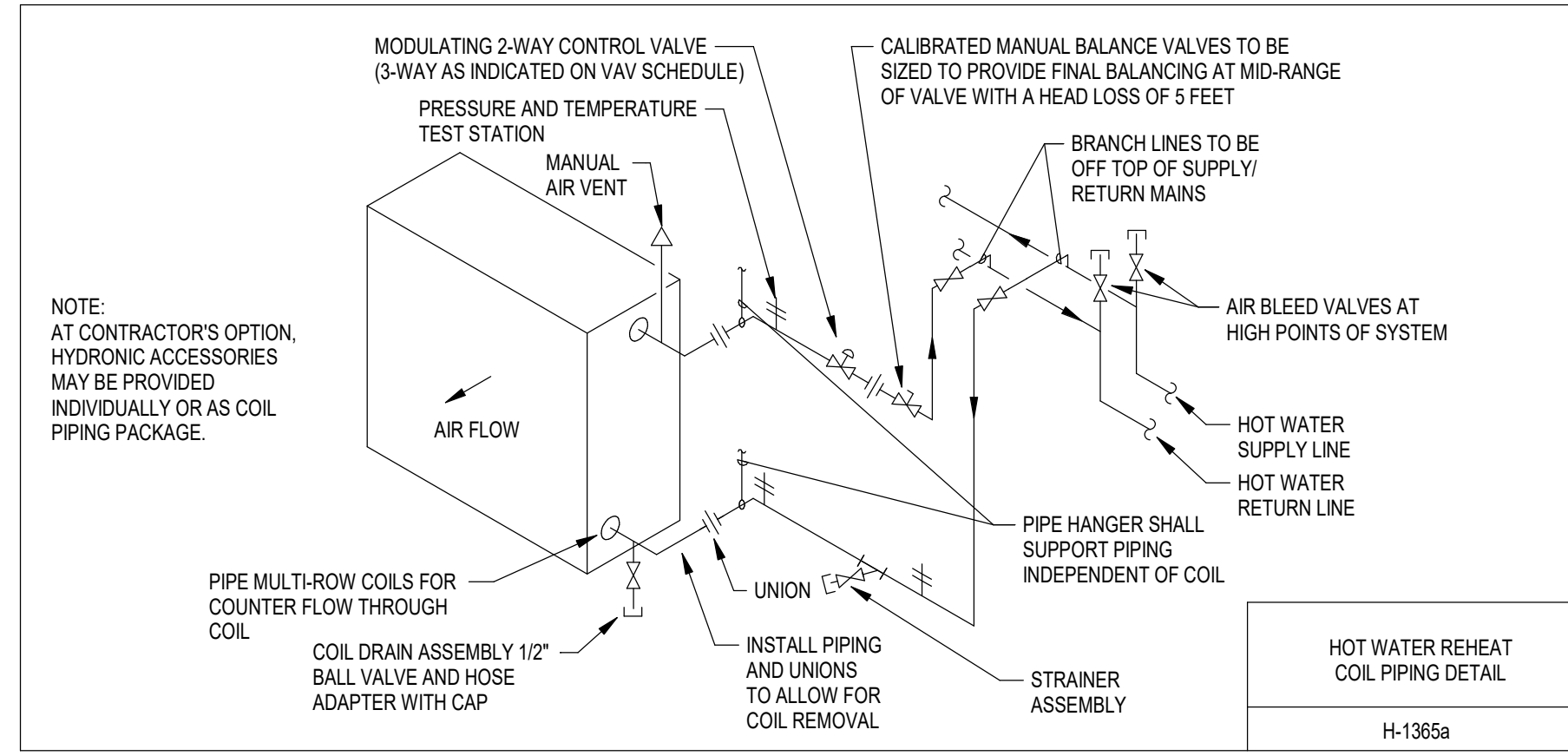
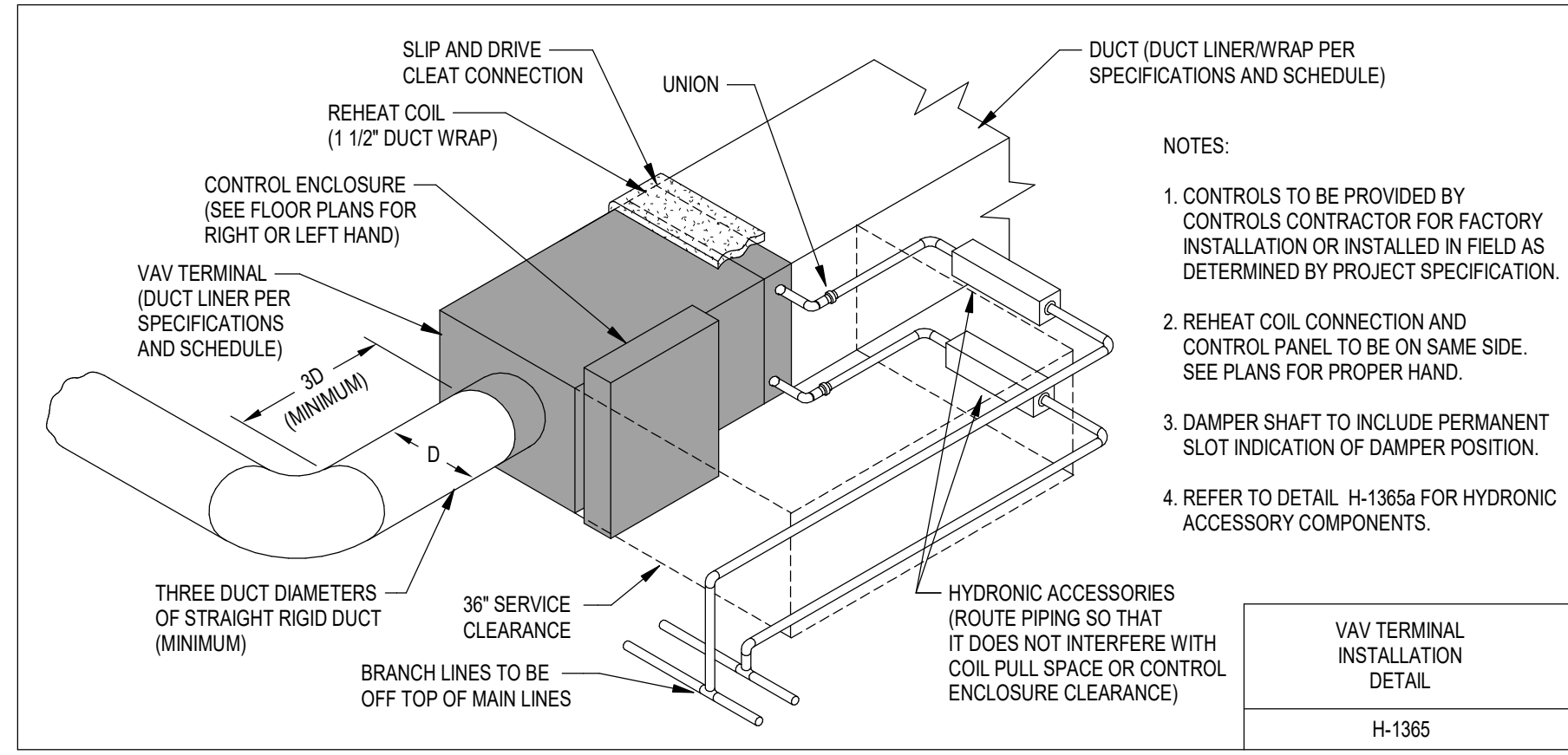
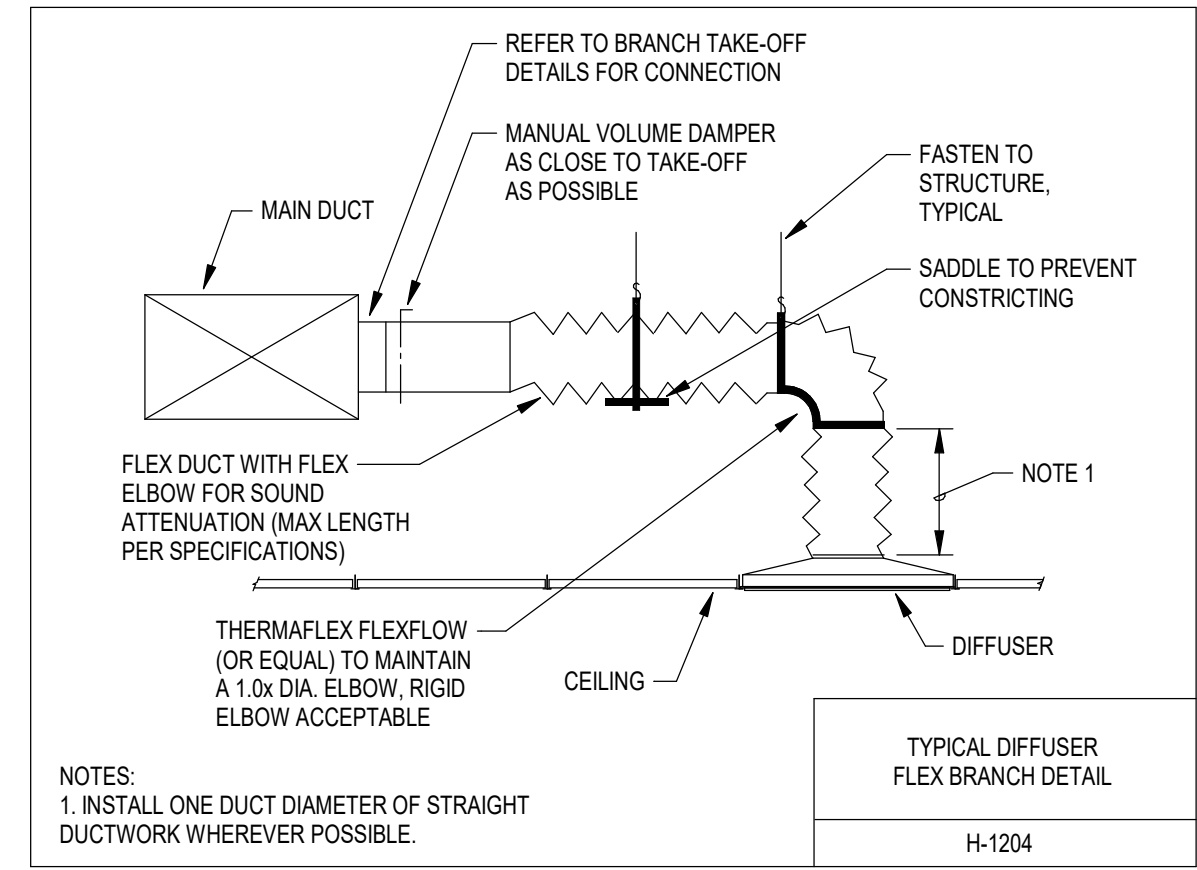
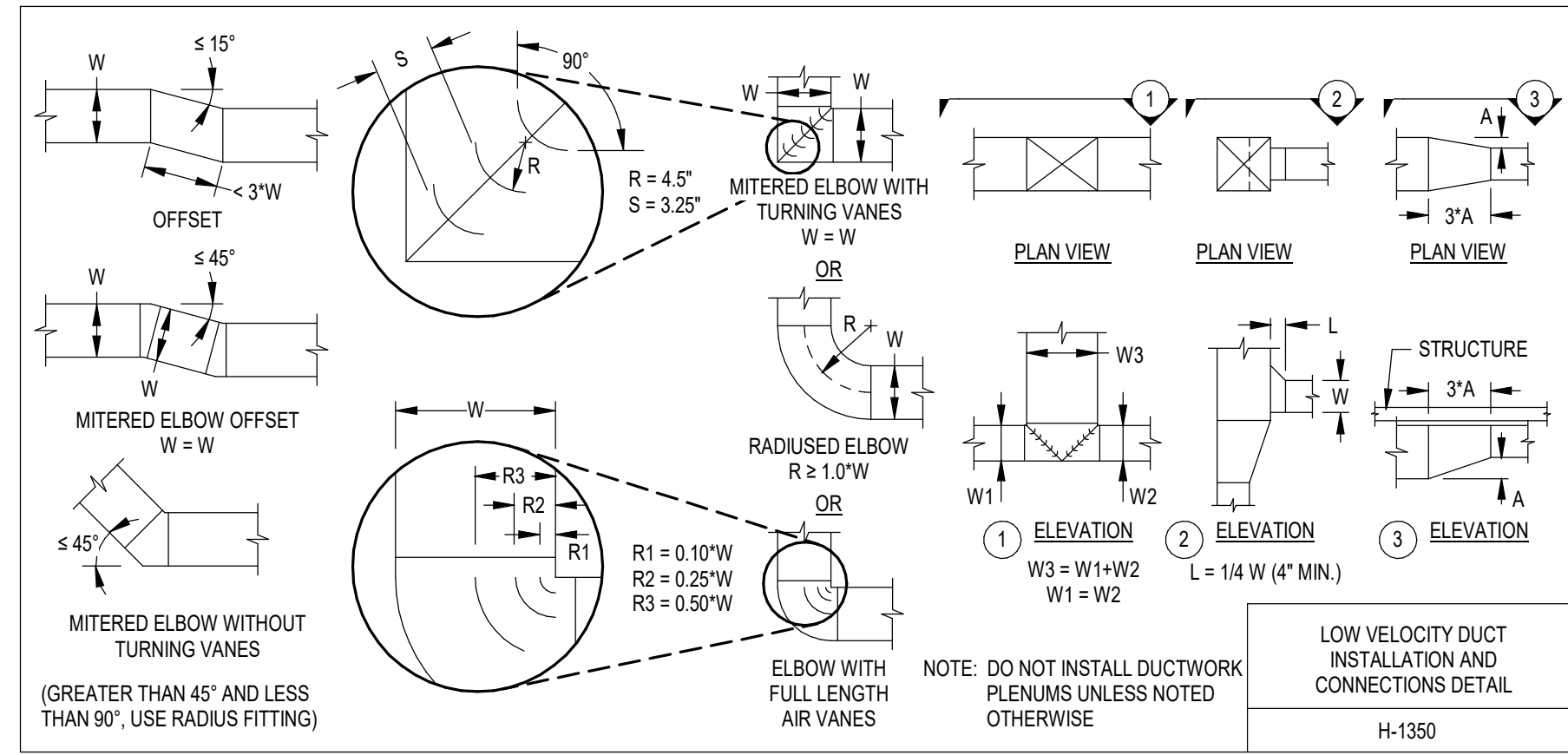
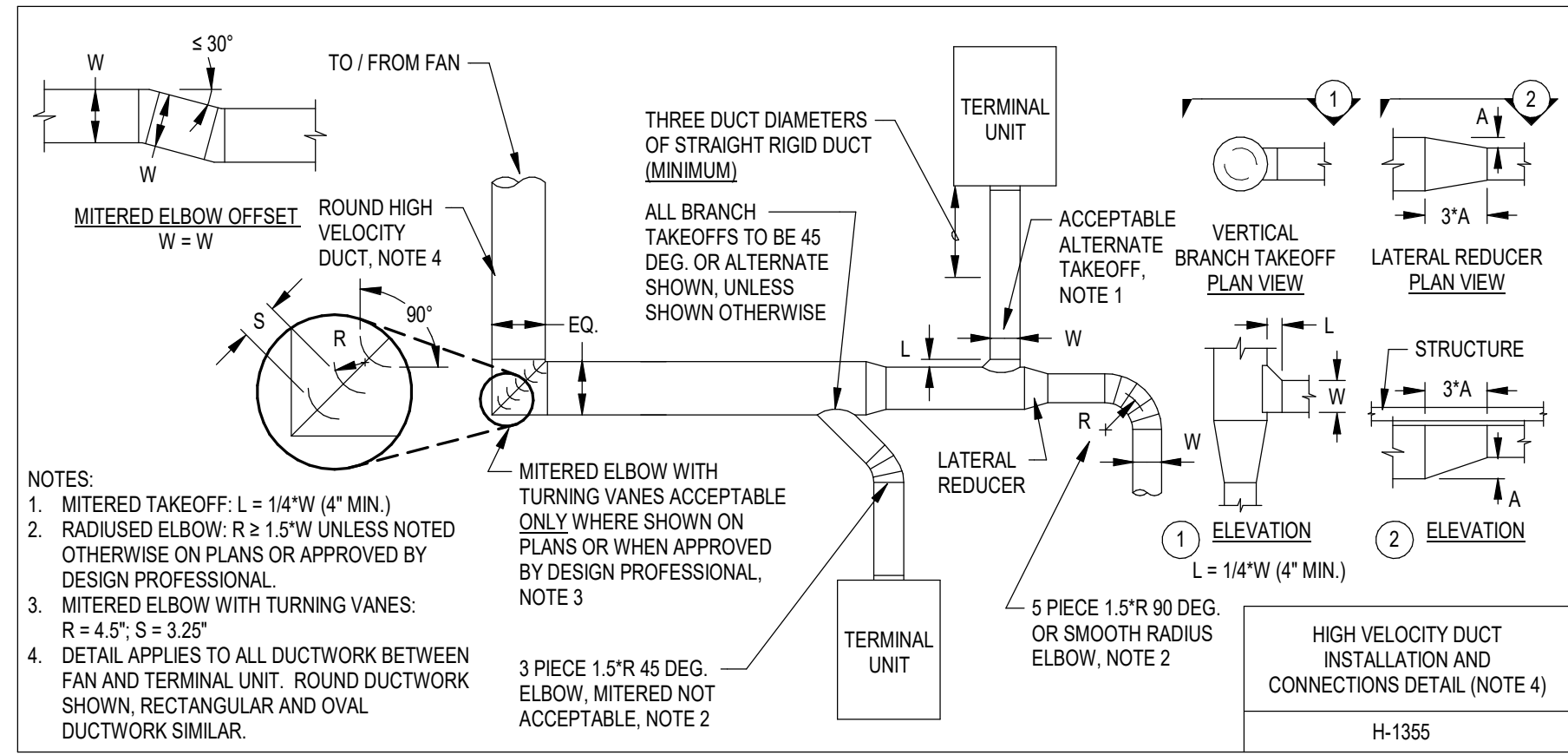
AIR HANDLING UNIT SCHEDULE table with columns for PLAN MARK, LOCATION / SERVICE, MODEL NUMBER, BLOWER UNITS, ENERGY RECOVERY WHEEL, CHILLED WATER COIL, HOT WATER COIL, PRE FILTER SECTIONS, FINAL FILTER SECTIONS, OTHER MODULES, OVERALL UNIT, NOTES.

- NOTES: 1. Refer to plan and elevation views for unit configuration and additional information. 2. Selections based on Daikin, see specifications for other approved manufacturers. 3. Refer to acoustical ratings and sound attenuator schedule for required sound ratings. 4. Provide with Inverter Duty Rated motor for use with variable frequency drive (refer to 23 0513). 5. See specifications for requirements regarding unit size and weight. 6. Coil entering air temperature accounts for mixed air calculation with return air and outdoor air off the wheel.

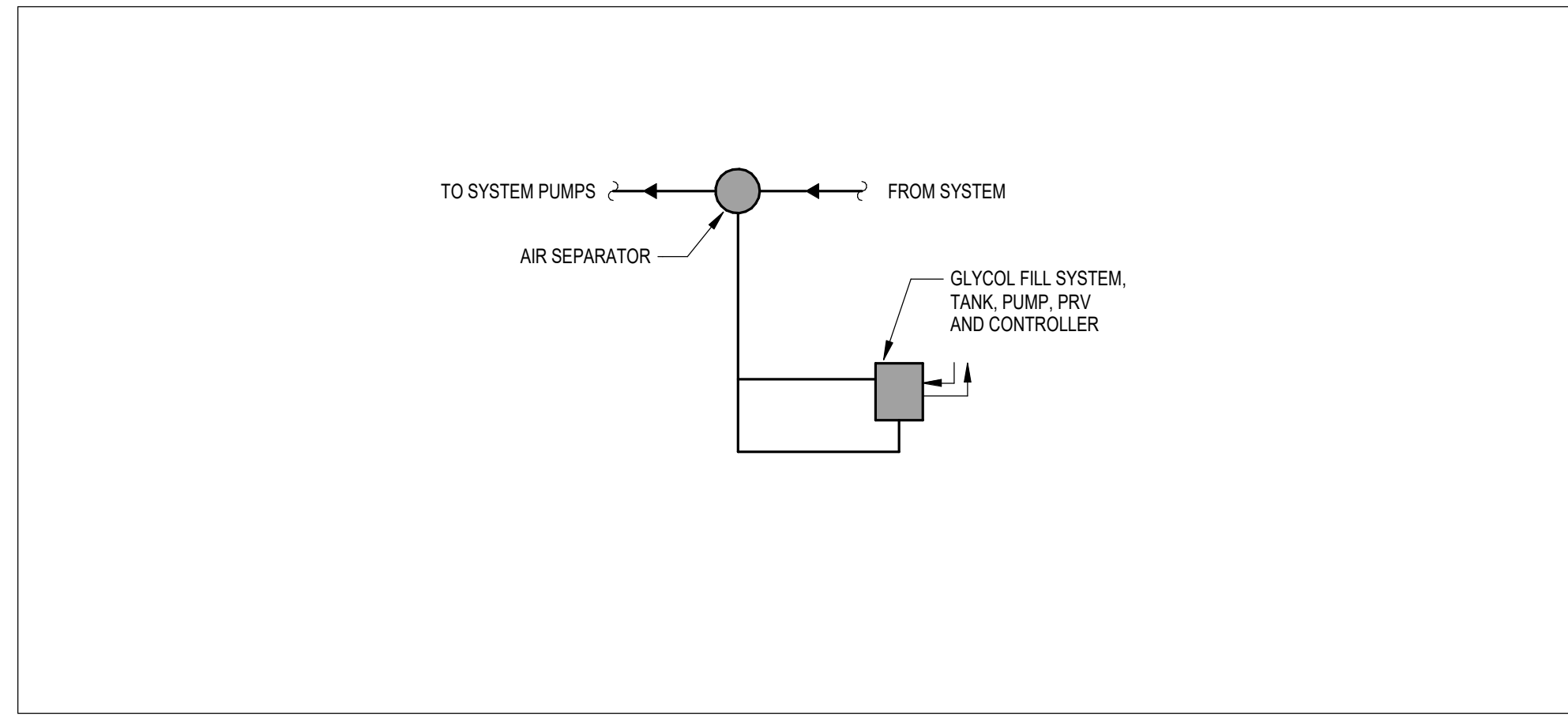
PRELIMINARY NOT FOR CONSTRUCTION



PRELIMINARY
NOT FOR CONSTRUCTION

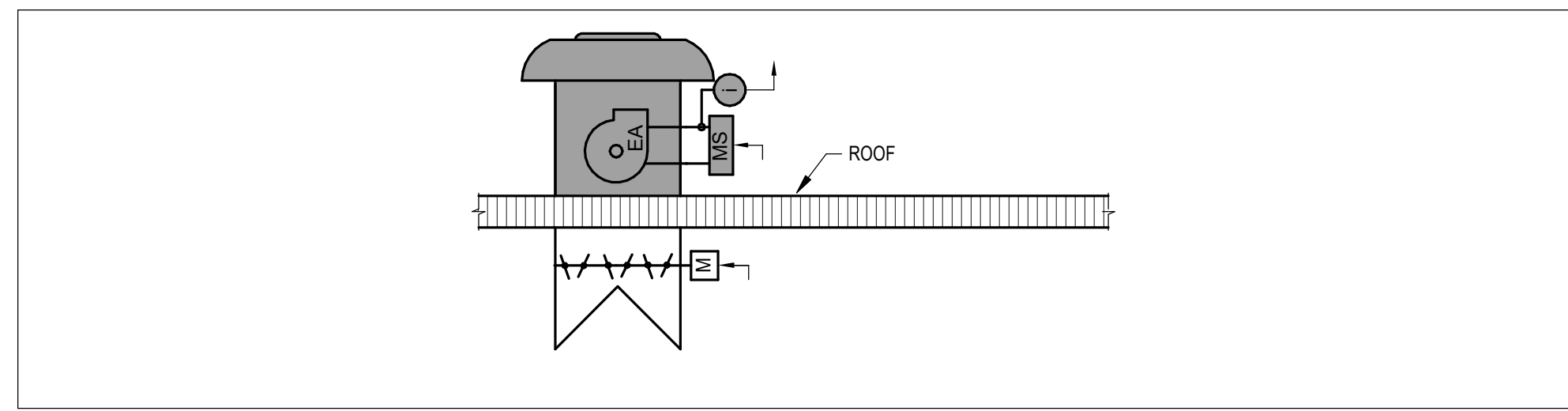


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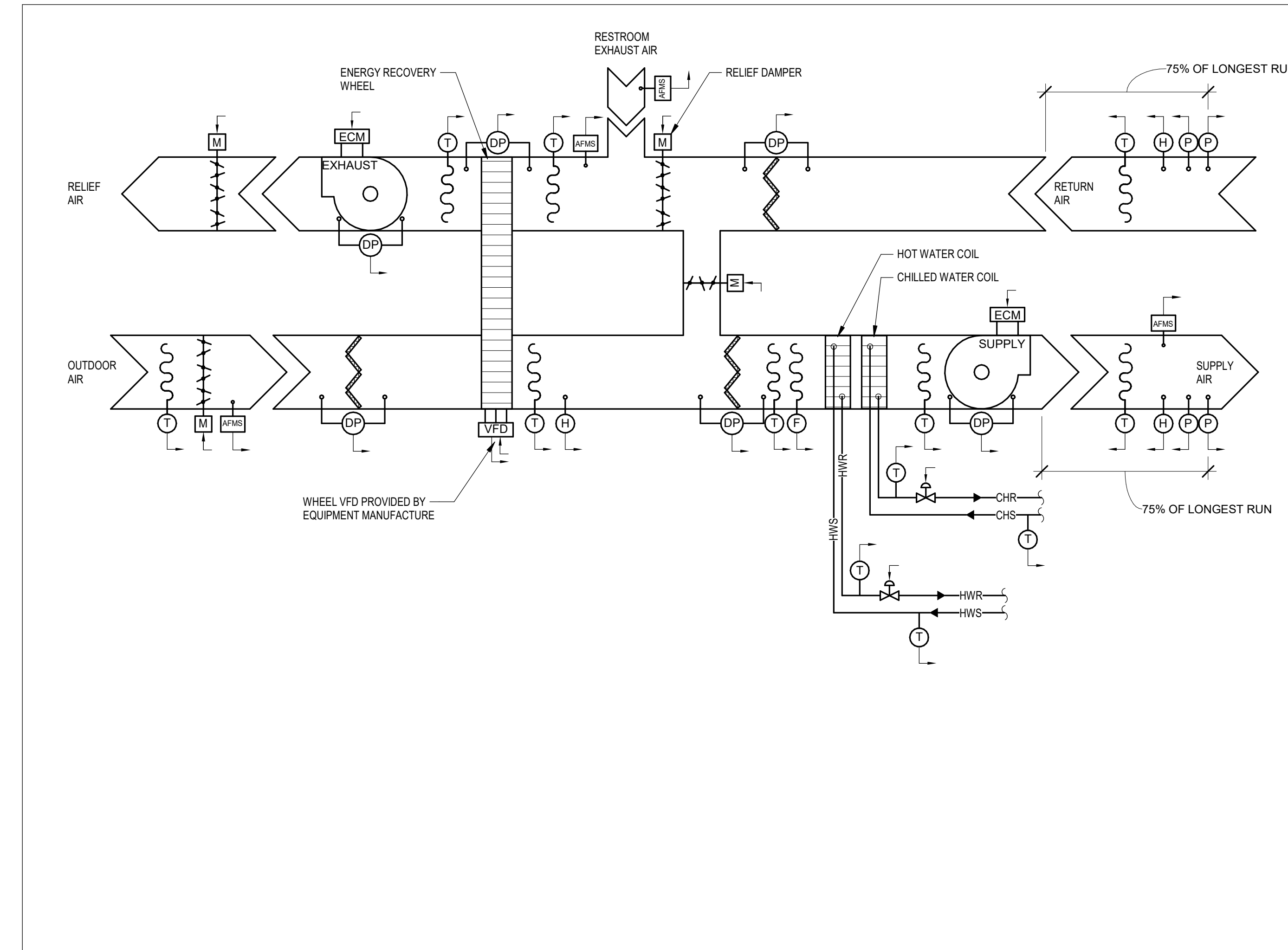
5 GLYCOL FILL SYSTEM CONTROL SCHEMATIC (GT-1)

SCALE: NOT TO SCALE



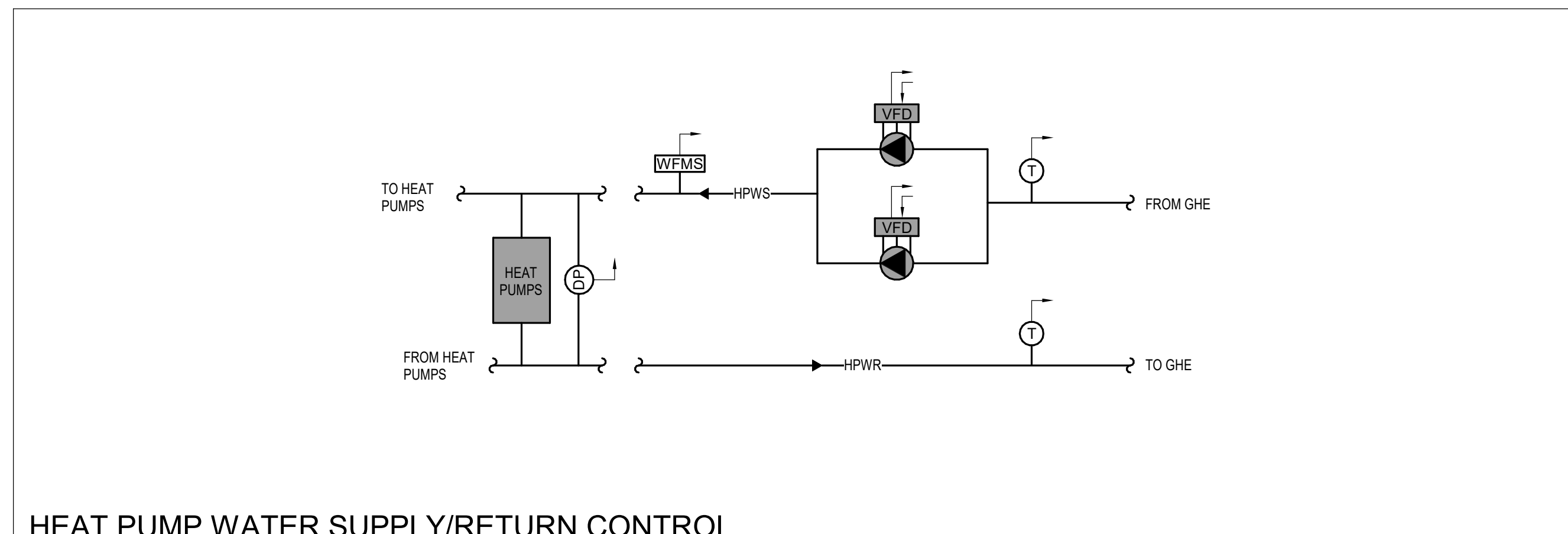
6 EXHAUST FAN CONTROL SCHEMATIC (EF-1)

SCALE: NOT TO SCALE



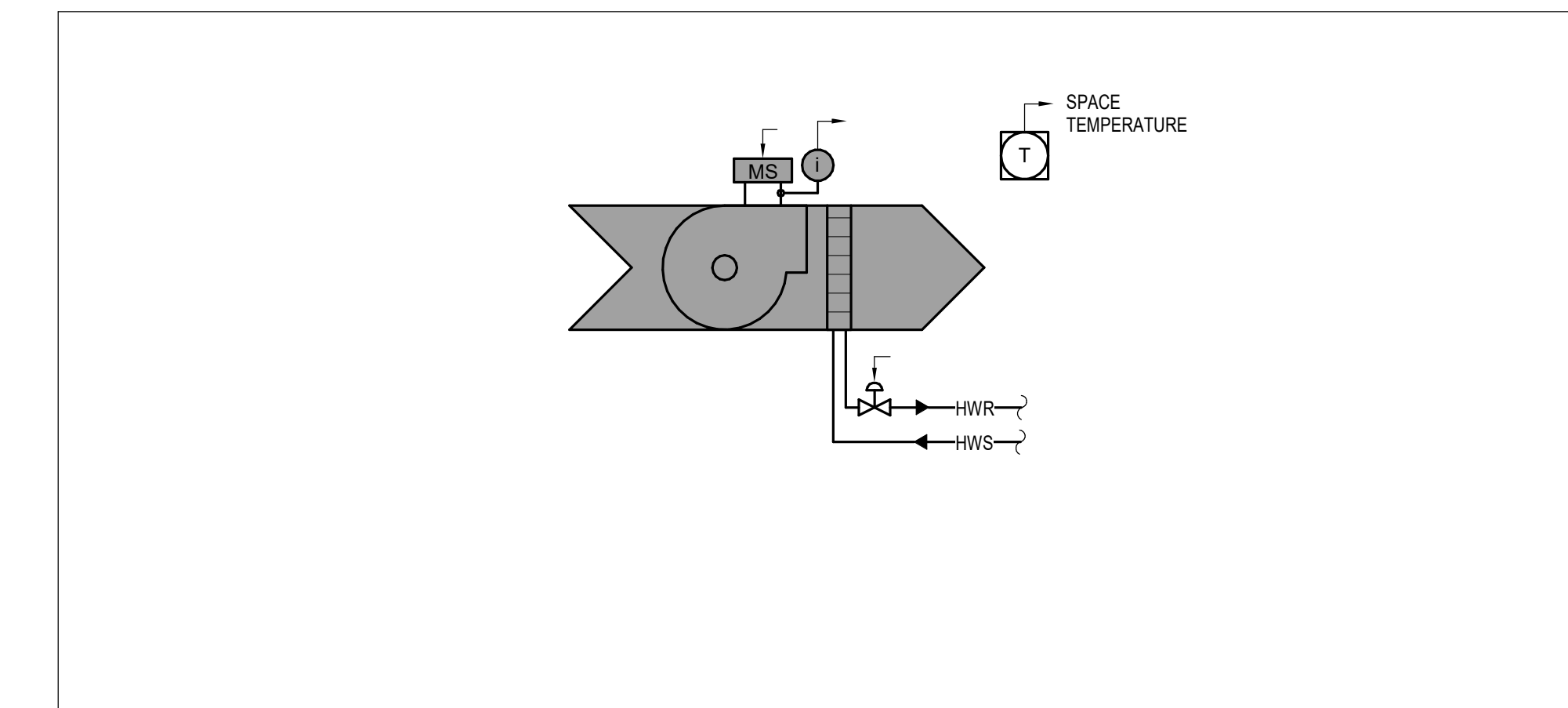
1 AIR HANDLING UNIT CONTROL SCHEMATIC (AHU-1)

SCALE: NOT TO SCALE



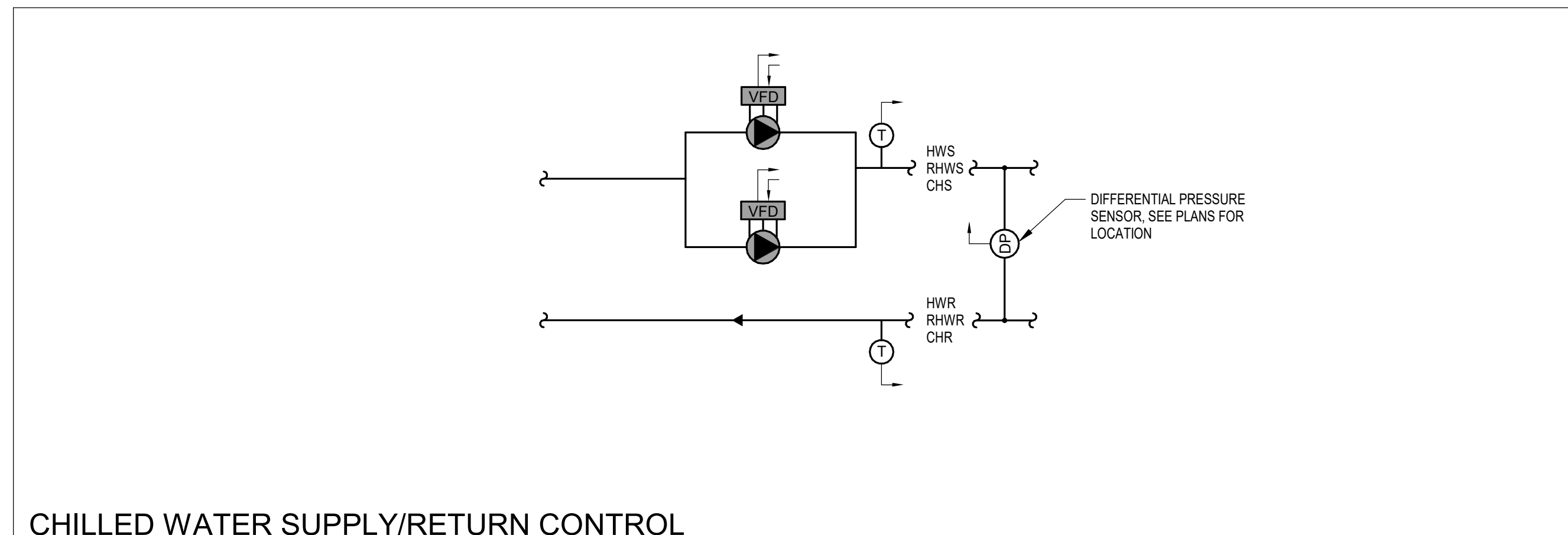
7 HEAT PUMP WATER SUPPLY/RETURN CONTROL SCHEMATIC (P-1 & 2)

SCALE: NOT TO SCALE



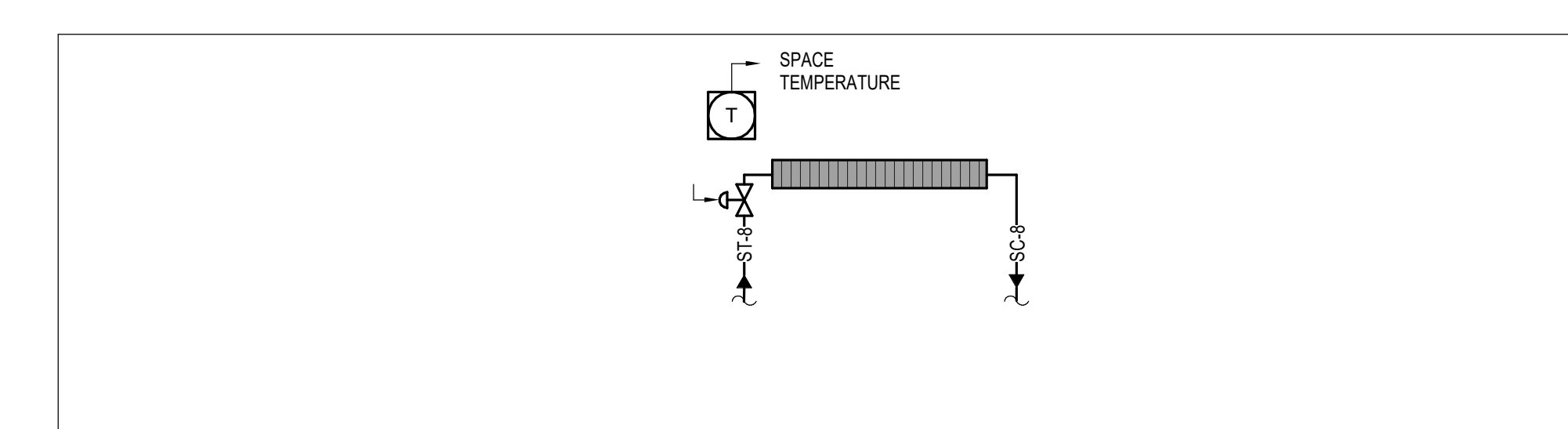
2 UNIT HEATER CONTROL SCHEMATIC (UH)

SCALE: NOT TO SCALE



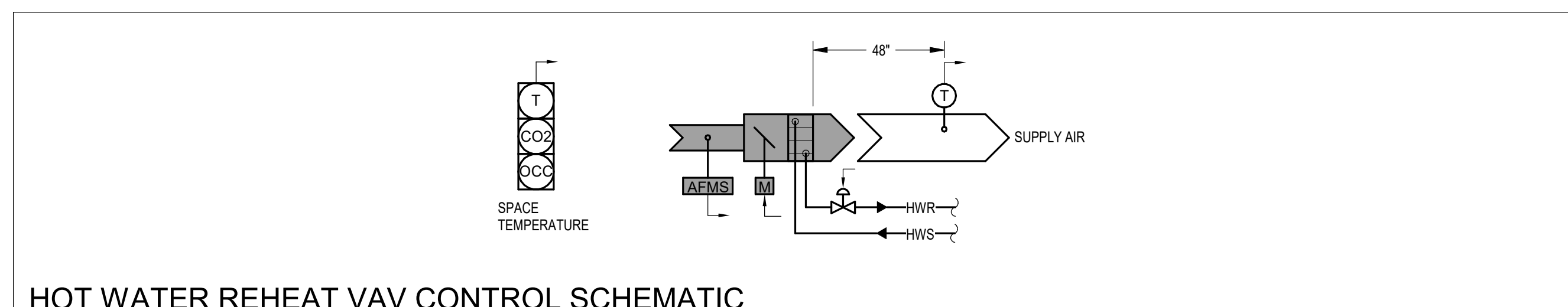
8 CHILLED WATER SUPPLY/RETURN CONTROL SCHEMATIC (P-1)

SCALE: NOT TO SCALE



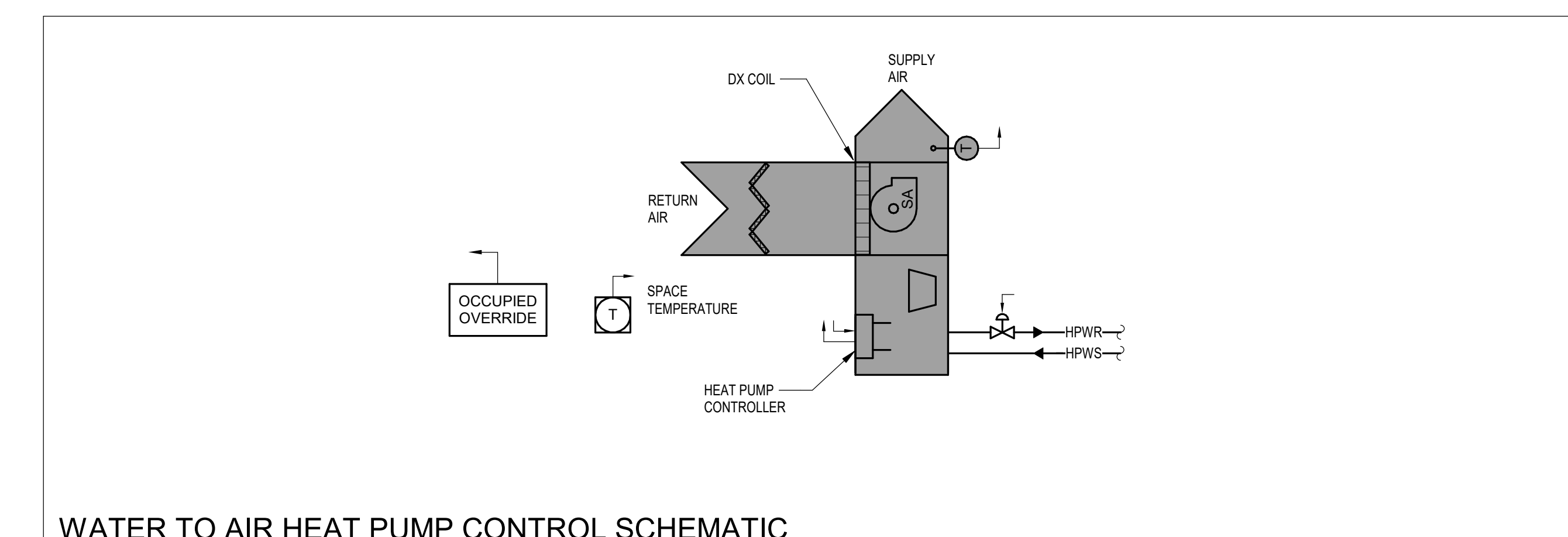
3 CONVECTOR CONTROL SCHEMATIC (CONV-1)

SCALE: NOT TO SCALE



9 HOT WATER REHEAT VAV CONTROL SCHEMATIC (SVAV)

SCALE: NOT TO SCALE

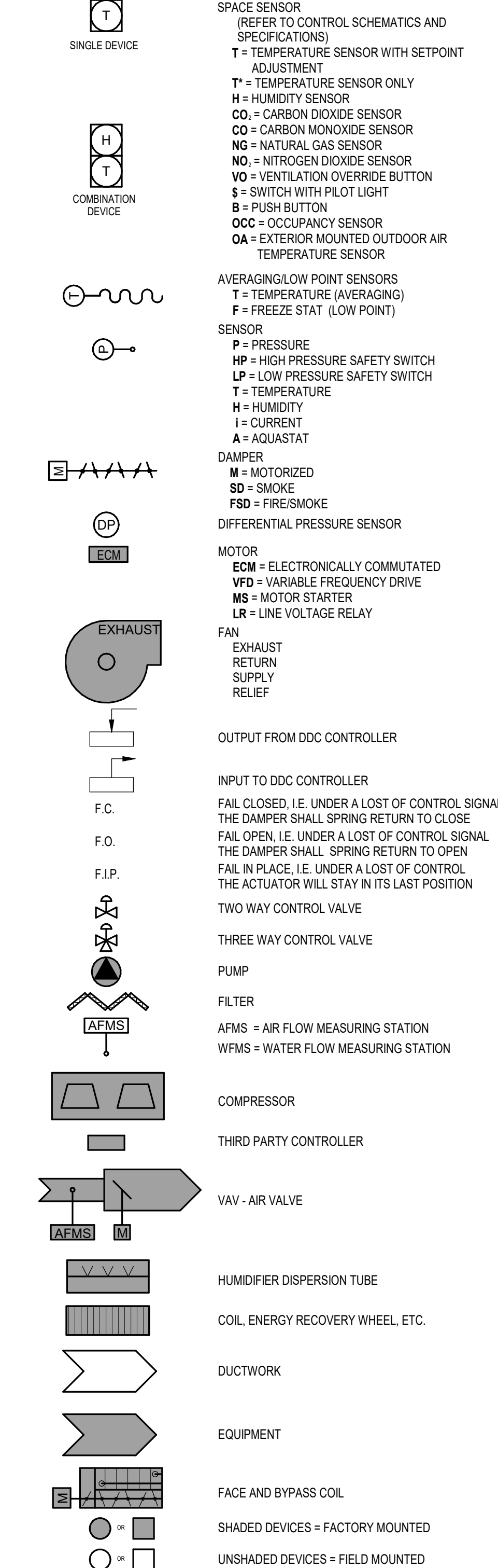


4 WATER TO AIR HEAT PUMP CONTROL SCHEMATIC (HP-1)

SCALE: NOT TO SCALE

CONTROLS SCHEMATIC SYMBOLS

(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT.)



PRELIMINARY
NOT FOR CONSTRUCTION

HVAC SYMBOLS

(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)

*** EQUIPMENT ***
EQUIPMENT DESIGNATION PER EQUIPMENT SCHEDULE
EQUIPMENT SERVICE CLEARANCE
*** SHEET METAL ***
MANUAL VOLUME DAMPER
FD = FIRE DAMPER
SD = SMOKE DAMPER
FSD = COMBINATION FIRE/SMOKE DAMPER
TRANSITION PIECE
MITERED ELBOW WITH THICKNESS TURNING VANES
RADIUSED ELBOW
GRILLE OR DIFFUSER ON SIDE OF DUCT
MOTOR OPERATED DAMPER
DIFFUSER OR GRILLE BELOW DUCT
PITCH DOWN IN DIRECTION OF ARROW
FLEX DUCTWORK
DUCT ACCESS DOOR
SUPPLY (CONDITIONED) AIR DUCT
DASHED CROSS - DOWNWAY
EXHAUST OR RELIEF AIR DUCT
RETURN OR TRANSFER AIR DUCT
UNCONDITIONED OUTDOOR AIR DUCT
*** CONTROLS ***
SPACE SENSOR
TEMPERATURE SENSOR WITH SETPOINT ADJUSTMENT
TEMPERATURE SENSOR ONLY
HUMIDITY SENSOR
CARBON DIOXIDE SENSOR
NATURAL GAS SENSOR
NITROGEN DIOXIDE SENSOR
VENTILATION OVERRIDE BUTTON
PUSH BUTTON
*** PIPING SPECIALTIES ***
PUMP
ELBOW TURNED UP OR TOWARDS
TEE TURNED UP OR TOWARDS
DROPPING OR RISE
ARROW IN LINE INDICATES DIRECTION OF FLOW
CAP OR PLUG
STRAINER
UNION
DIELECTRIC UNION
SHUT-OFF VALVE
BALANCING OR SHUT-OFF COCK
FLOW CONTROL VALVE
AUTOMATIC CONTROL VALVE
RELIEF OR SAFETY VALVE
PRESSURE REDUCING VALVE
CHECK VALVE
BACKFLOW PREVENTER
VALVE IN RISER
3-WAY AUTOMATIC CONTROL VALVE
PRESSURE-TEMPERATURE RELIEF VALVE
PRESSURE-TEMPERATURE TEST PORT
WATER METER
STEAM DRIP ASSEMBLY
SINGLE EXPANSION JOINT
CONCENTRIC REDUCER OR INCREASER
PIPE ANCHOR
PIPE GUIDE
CONNECTION - NEW TO EXISTING
THERMOMETER
PRESSURE GAUGE
PRESSURE SENSOR
DIFFERENTIAL PRESSURE SENSOR
*** SHEET METAL ABBREVIATIONS ***
SA = SUPPLY AIR
RA = RETURN AIR
TA = TRANSFER AIR
EA = EXHAUST AIR
OA = OUTDOOR AIR
*** DUCT SIZE NOMENCLATURE ***
x = RECTANGULAR
i = OVAL
e = ROUND
*** REFERENCE ***
ELECTRICAL PANEL SHOWN FOR COORDINATION
*** PIPING ABBREVIATIONS ***
CHS = CHILLED WATER SUPPLY
CHR = CHILLED WATER RETURN
HWS = HEATING HOT WATER SUPPLY
HWR = HEATING HOT WATER RETURN
HPWS = HEAT PUMP WATER SUPPLY
HPWR = HEAT PUMP WATER RETURN
D = CONDENSATE DRAIN LINE
CWS = CONDENSER WATER SUPPLY
CWR = CONDENSER WATER RETURN
HRS = HEAT RECOVERY SUPPLY
HRR = HEAT RECOVERY RETURN
RHH = REFRIGERANT HOT GAS
RR = REFRIGERANT RELIEF
SMS = SNOW MELT SUPPLY
SMR = SNOW MELT RETURN
EWS = EVAPORATOR WATER SUPPLY
EWR = EVAPORATOR WATER RETURN
GWS = GROUND WATER SUPPLY
GWR = GROUND WATER RETURN
WWS = WELL WATER SUPPLY
WWR = WELL WATER RETURN

GENERAL HVAC NOTES:

- 1. DRAWINGS ARE IN PART DIAGRAMMATIC, INTENDED TO CONVEY THE SCOPE OF WORK AND TO INDICATE THE GENERAL LOCATIONS OF EQUIPMENT, PIPING AND DUCTWORK...
a. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATIONS FOR EQUIPMENT AND ROUGH IN'S AND THE EXACT ROUTING OF PIPING AND DUCTS...
b. WHERE OFFSETS IN PIPING OR DUCTWORK ARE REQUIRED TO COORDINATE THE WORK OF OTHER TRADES...
c. ALL EXISTING PIPING AND DUCTWORK ROUTING SHOWN IS INTENDED TO INDICATE APPROXIMATE SIZE, NUMBER AND LOCATION OF PIPING BRANCHES...
d. UNLESS OTHERWISE NOTED, ALL DUCTWORK AND PIPING TO BE ROUTED CONCEALED IN WALLS, CHASES OR ABOVE SUSPENDED CEILING...
e. COORDINATE ROUTING OF PIPING AND DUCTWORK TO MAINTAIN ACCESS TO FILTERS, MOTORS, ELECTRICAL EQUIPMENT, AND CONTROLS...
f. COORDINATE EXACT DUCTWORK CONNECTION SIZES WITH EQUIPMENT AND TRANSITION AS REQUIRED...
g. VERIFY EXACT SIZE AND LOCATION OF ALL EXISTING SYSTEMS AND COMPONENTS REQUIRING CONNECTION TO NEW PIPING PRIOR TO COMMENCING WORK...
2. CUT AND PATCH WALLS AND FLOORS AS REQUIRED FOR INSTALLATION OF NEW SYSTEMS...
a. ALL OPENINGS IN CONCRETE OR MASONRY CONSTRUCTION SHALL BE CORE DRILLED OR SAW CUT...
b. SEAL AROUND ALL DUCTWORK AND PIPING PENETRATIONS WITH NON-SHRINK GROUT OR SIMILAR MATERIAL...
c. PATCH AND FIRE STOP ALL ABANDONED EXISTING OPENINGS...
d. MECHANICAL CONTRACTOR SHALL PROVIDE LINTELS FOR DUCT PENETRATIONS OF EXISTING WALLS AS REQUIRED TO SUPPORT STRUCTURE...
e. WHEN PATCHING OPENINGS IN AREAS WHICH ARE NOT TO RECEIVE NEW FINISHES...
f. REFER TO ARCHITECTURAL PLANS FOR INFORMATION ON WHICH PORTIONS OF THE EXISTING STRUCTURE ARE TO BE REMOVED AND WHICH ARE TO REMAIN...
3. BECAUSE OF THE SCALE OF THE DRAWINGS, CERTAIN PIPING OR ITEMS SUCH AS UNIONS, FITTINGS, OR VALVES MAY NOT BE SHOWN...
4. ALL ELEMENTS OF THE CONSTRUCTION SHALL BE PERFORMED BY TRADES PEOPLE SKILLED IN THE PARTICULAR CRAFT INVOLVED...
5. COORDINATE INSTALLATION OF EQUIPMENT AND COMPONENTS PENETRATING THE EXTERIOR BUILDING ENVELOPE WITH GENERAL CONTRACTOR...
6. COORDINATE LOCATIONS AND SIZES OF OPENINGS IN STRUCTURE WITH GENERAL CONTRACTOR...
7. MECHANICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED SUPPORT STEEL FOR PIPING, DUCTWORK AND EQUIPMENT...
8. HYDRONIC PIPE SIZES ARE INDICATED ON THE PLANS ONLY...
9. ALL PIPE SECTIONS BETWEEN SIZE NOTATIONS SHALL MATCH THE ADJACENT NOTATED SIZES...
10. PROVIDE AIR VENTS AT ALL HIGH POINTS IN PIPING SYSTEMS...
11. ALL BRANCH TAKE OFF PIPE CONNECTIONS SHALL COME OFF THE TOP OF THE MAINS...
12. ALL PIPE HANGERS IN EXPOSED STRUCTURE AREAS...
13. PROVIDE ISOLATION VALVES FOR ALL EQUIPMENT AND ALL BRANCH LINES...
14. DUCT DIMENSIONS SHOWN ON DRAWINGS ARE NET INSIDE DIMENSIONS...
15. PROVIDE VOLUME DAMPERS IN ALL DUCTWORK SERVING INDIVIDUAL GRILLES, REGISTERS, OR DIFFUSERS...
16. PROVIDE REMOTE REGULATORS FOR ALL INACCESSIBLE VOLUME DAMPERS...
17. F DUCT SIZE REVISIONS ARE NECESSARY FOR COORDINATION PURPOSES...
18. PROVIDE NEW 4" CONCRETE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED EQUIPMENT...
19. ALL CONTROL WIRING IN FINISHED SPACES IS TO BE ROUTED CONCEALED...
20. ALL CONTROL DEVICES TO BE MOUNTED AT 48" A.F.F. TO CENTER LINE...
21. ALL CONTROL DEVICES LOCATED IN VESTIBULES, RESTROOMS, CORRIDORS, AND OTHER GENERAL PUBLIC AREAS...
22. SHUT DOWN OF EXISTING HVAC SYSTEMS TO BE REQUESTED AND COORDINATED THROUGH OWNER'S REPRESENTATIVE...
23. REFER TO ARCHITECTURAL PLANS FOR DETAILED ELEVATIONS INDICATING STANDARD MOUNTING HEIGHTS...
24. FOR ALL WORK REQUIRED ABOVE EXISTING CEILING TO REMAIN...
25. COORDINATE INSTALLATION OF DUCTWORK RUNNING THROUGH OR BETWEEN TRUSSES AND JOISTS...
26. PROVIDE A MINIMUM OF ONE ELBOW AND TEN FEET OF LINED DUCTWORK BETWEEN DIFFUSER/REGISTER AND DUCT MAIN...
27. PROVIDE CONCRETE PADS WITH FROST FOOTINGS FOR EXTERIOR EQUIPMENT MOUNTED ON GRADE...
28. ALL VARIABLE AIR VOLUME TERMINAL UNITS SHALL BE CLEARLY LABELED IN THE FIELD WITH THE PLAN MARK DESIGNATION...
29. ALL WORK WILL BE COMPLETED IN MULTIPLE SEQUENCES...
30. CONTRACTOR TO SUBMIT INFORMATION REGARDING ALL PRIMERS, SOLVENTS AND SEALANTS TO BE USED FOR REVIEW RELATIVE TO ALLOWABLE VOC CONTENT...

HVAC KEYED NOTES
H-1 AREA DESIGNATED TO BE SUPPLIED WITH RADIANT FLOOR HEATING

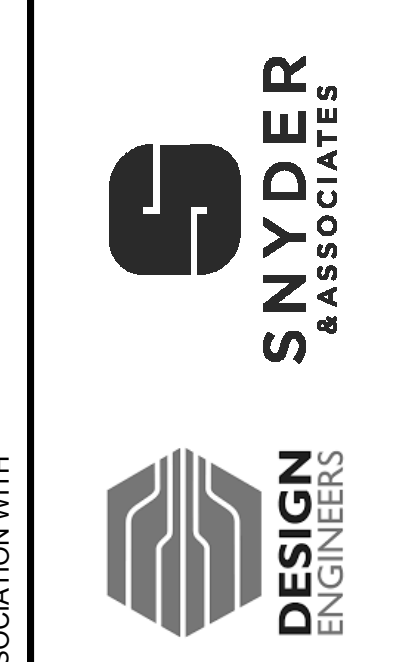
HVAC DEMOLITION KEYED NOTES

GENERAL STRUCTURE NOTES:

- 1. THE LOCATION AND SIZE OF ANY HOLES THROUGH STRUCTURE WILL REQUIRE REVIEW AND APPROVAL OF STRUCTURAL ENGINEER...
2. COORDINATE THE EXACT LOCATION OF FLOOR OPENINGS TO MISS STEEL BEAMS AND OPEN WEB FLOOR JOISTS...
3. IT IS ASSUMED THAT ALL HORIZONTAL PIPING WILL BE SUPPORTED ON INTERVALS OF 10' ON CENTER OR LESS...
4. CONTRACTOR TO COORDINATE EXACT SIZE AND LOCATIONS OF ALL HOUSEKEEPING PADS PRIOR TO POURING OF CONCRETE...
5. OPENINGS IN LOAD BEARING CMU WALLS, NOT SPECIFICALLY DETAILED ON DRAWINGS, SHALL BE COORDINATED BY CONTRACTOR...

GENERAL HVAC DEMOLITION NOTES:

- 1. REFER TO DEMOLITION KEY FOR ITEMS TO BE REMOVED VERSUS ITEMS TO REMAIN...
2. SHUT DOWN OF EXISTING HVAC SYSTEMS TO BE REQUESTED AND COORDINATED THROUGH OWNER'S REPRESENTATIVE...
3. SCHEDULE FOR ALL WORK IMPACTING ADJACENT OCCUPIED AREAS SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE...
4. NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO CREATING ANY SMOKE, HEAT, MOISTURE, VAPORS OR DUST AROUND ANY FIRE ALARM EQUIPMENT...
5. WHERE DUCTWORK OR PIPING THROUGH A FLOOR OR A WALL IS REMOVED, PATCH ALL REMAINING HOLES TO MATCH EXISTING...
6. WHERE EXISTING DUCTWORK IS ONLY PARTIALLY REMOVED...
7. UNLESS SPECIFICALLY NOTED OTHERWISE...
8. WHERE CONTROL DEVICES ARE REMOVED FROM SERVICE...
9. FOR ALL WORK REQUIRED ABOVE EXISTING CEILING TO REMAIN...
10. ALL WORK WILL BE COMPLETED IN MULTIPLE SEQUENCES...
11. CONTRACTOR TO SUBMIT INFORMATION REGARDING ALL PRIMERS, SOLVENTS AND SEALANTS TO BE USED FOR REVIEW...
12. ALL ITEMS DESIGNATED FOR SALVAGE SHALL BE DELIVERED TO XXXX OR TO OTHER LOCATION AS IDENTIFIED BY THE OWNER'S REPRESENTATIVE...



HVAC NOTES & SYMBOLS

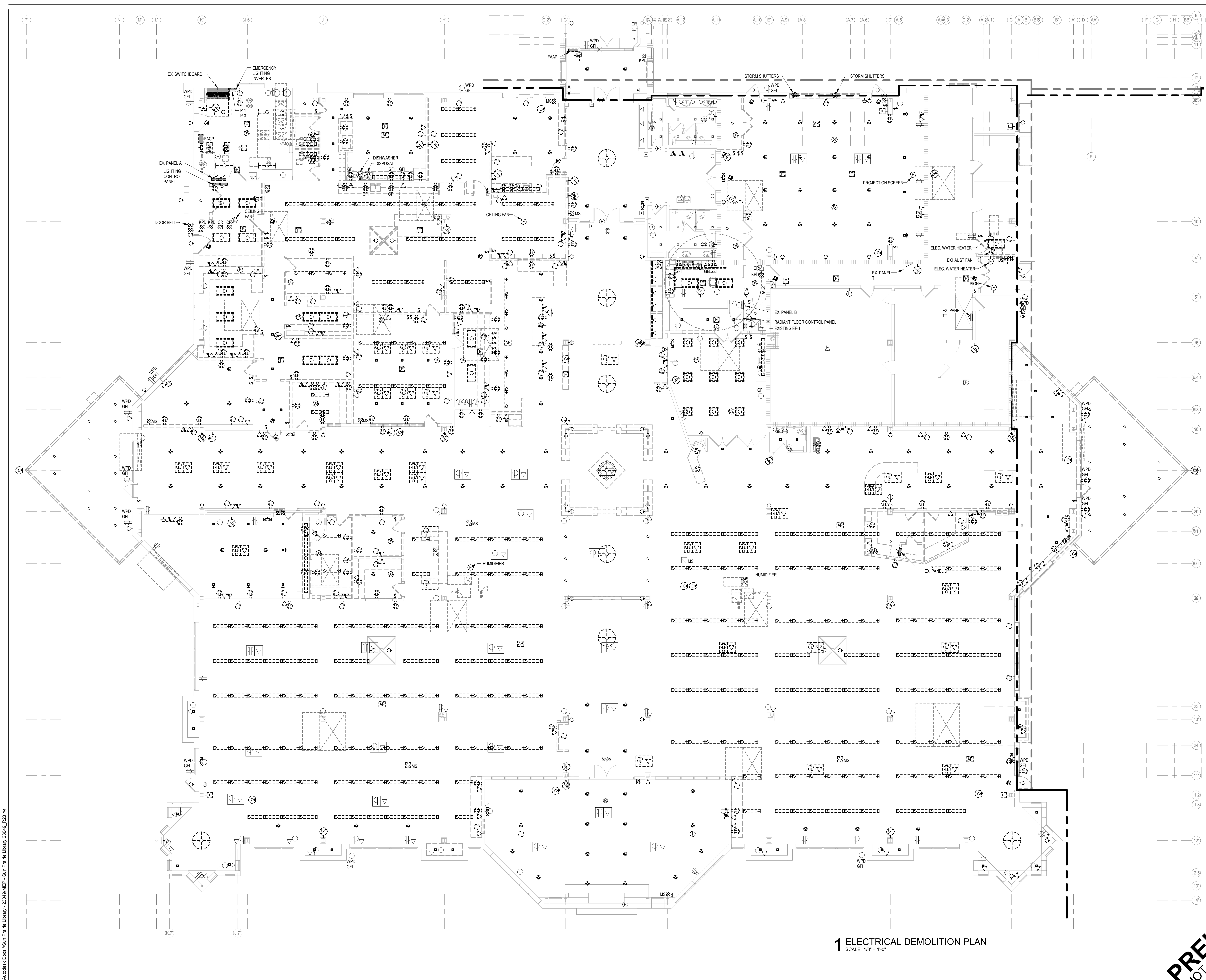
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET
H5.6

PRELIMINARY
NOT FOR CONSTRUCTION



KEYED NOTES

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

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED: 12/16/2023
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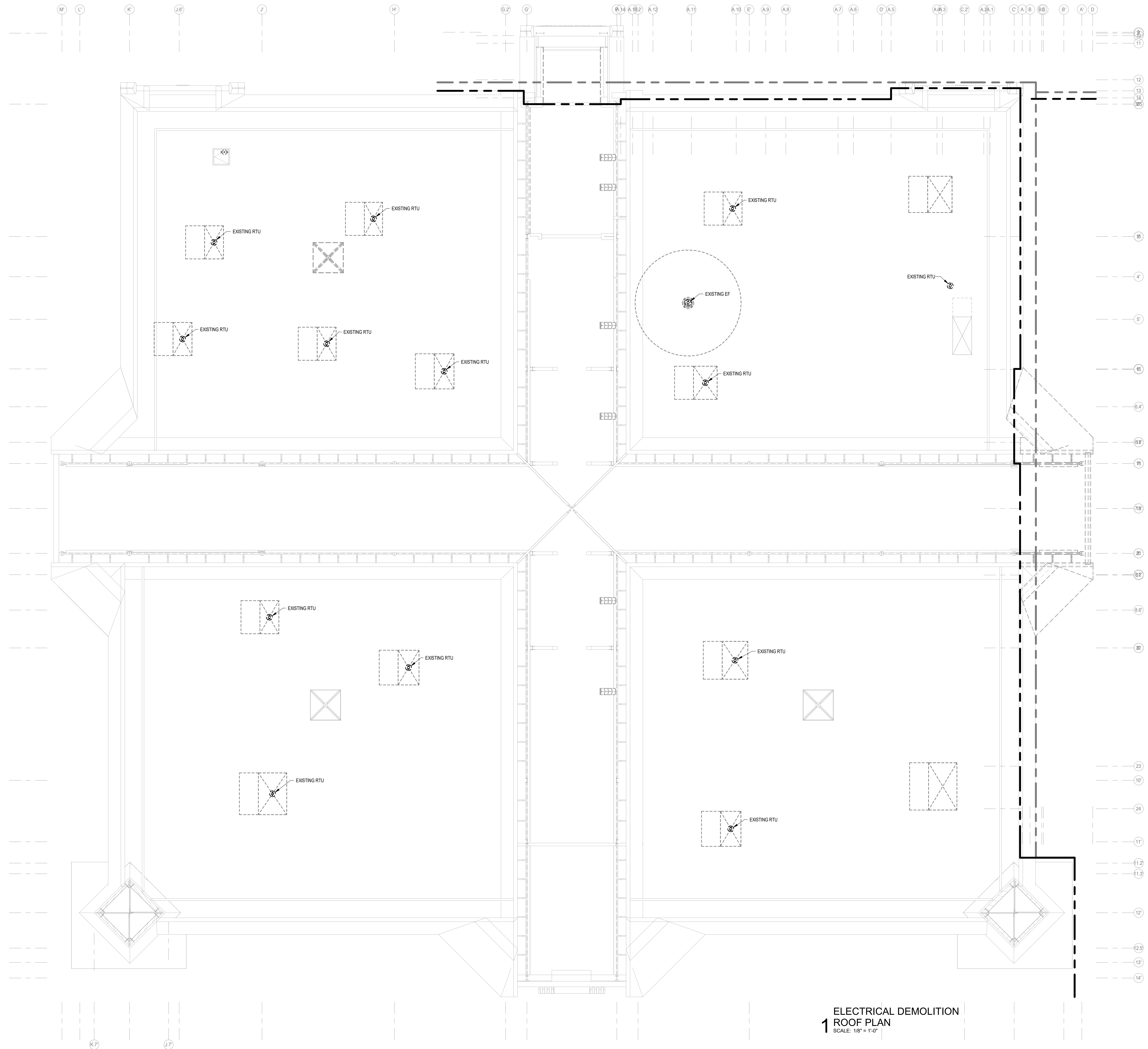
SHEET
ED1.1

IN ASSOCIATION WITH

SNYDER & ASSOCIATES
 DESIGN ENGINEERS

FEH DESIGN

SIOUX CITY, IA (712) 252-3889
 DES MOINES, IA (515) 288-2000
 DUBUQUE, IA (663) 983-4600
 OCCOMOWOC, WI (262) 968-2055



KEYED NOTES

1 ELECTRICAL DEMOLITION
 ROOF PLAN
 SCALE: 1/8" = 1'-0"

PRELIMINARY
 NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

PROJECT NUMBER: 2023402
 SHEET: ED2.1

DATE ISSUED: 12/16/2023
 REV. NO. DATE

SHEET TITLE: ELECTRICAL DEMOLITION ROOF PLAN

IN ASSOCIATION WITH:

SNYDER & ASSOCIATES

DESIGN ENGINEERS

FEH DESIGN
 DES MOINES, IA (515) 288-2000
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 OCONOMOWOC, WI (262) 988-2055
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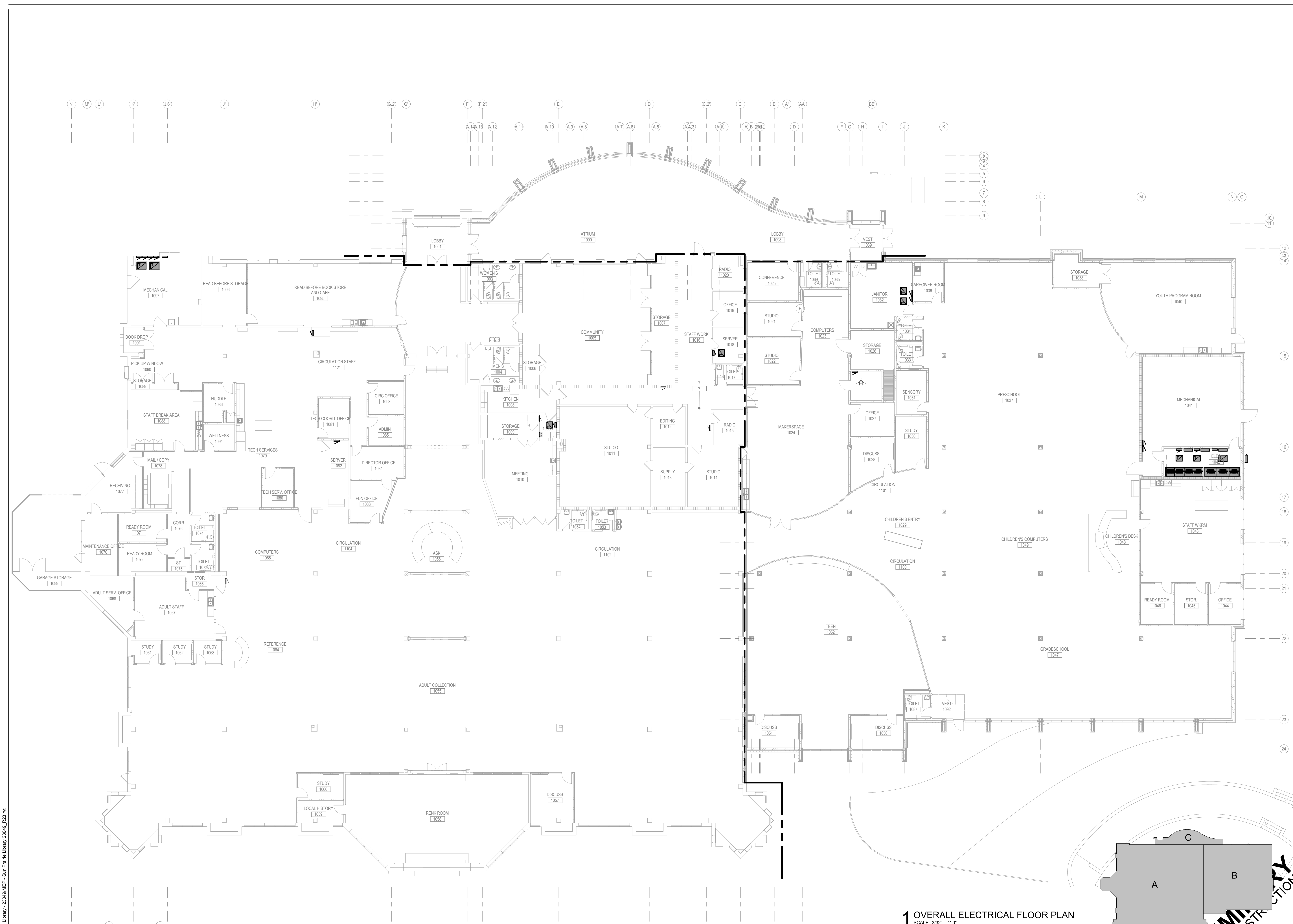


KEYED NOTES	
ED-1	REMOVE EXISTING SITE LIGHTING FIXTURE, CONCRETE BASE AND UNDERGROUND BRANCH CIRCUIT RACEWAY / CONDUCTORS BACK TO SOURCE OR NEAREST POINT OF USE. LIGHT FIXTURE SHALL REMAIN IN OPERATION UNTIL THE NEW EXTERIOR LIGHTING SYSTEM IS INSTALLED AND OPERATIONAL.
ED-2	

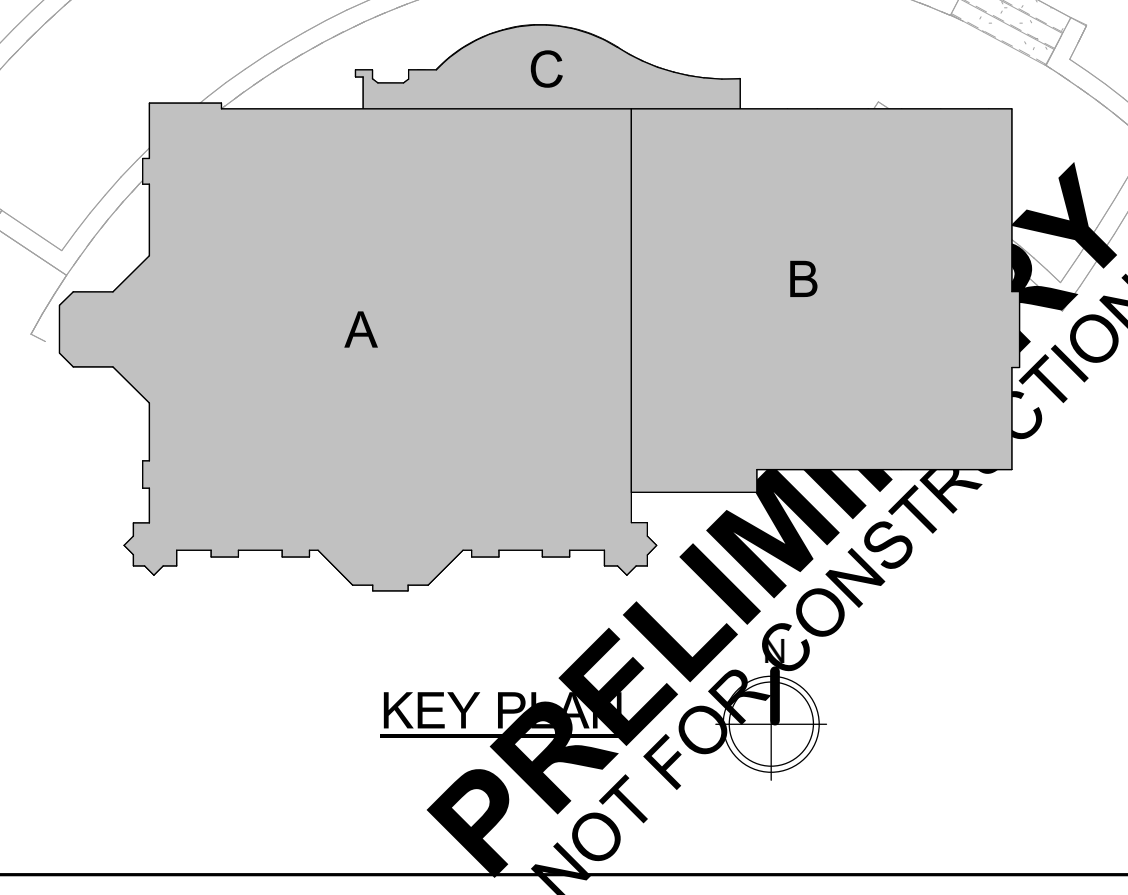
1 ELECTRICAL DEMOLITION SITE PLAN
SCALE: 1" = 30'-0"

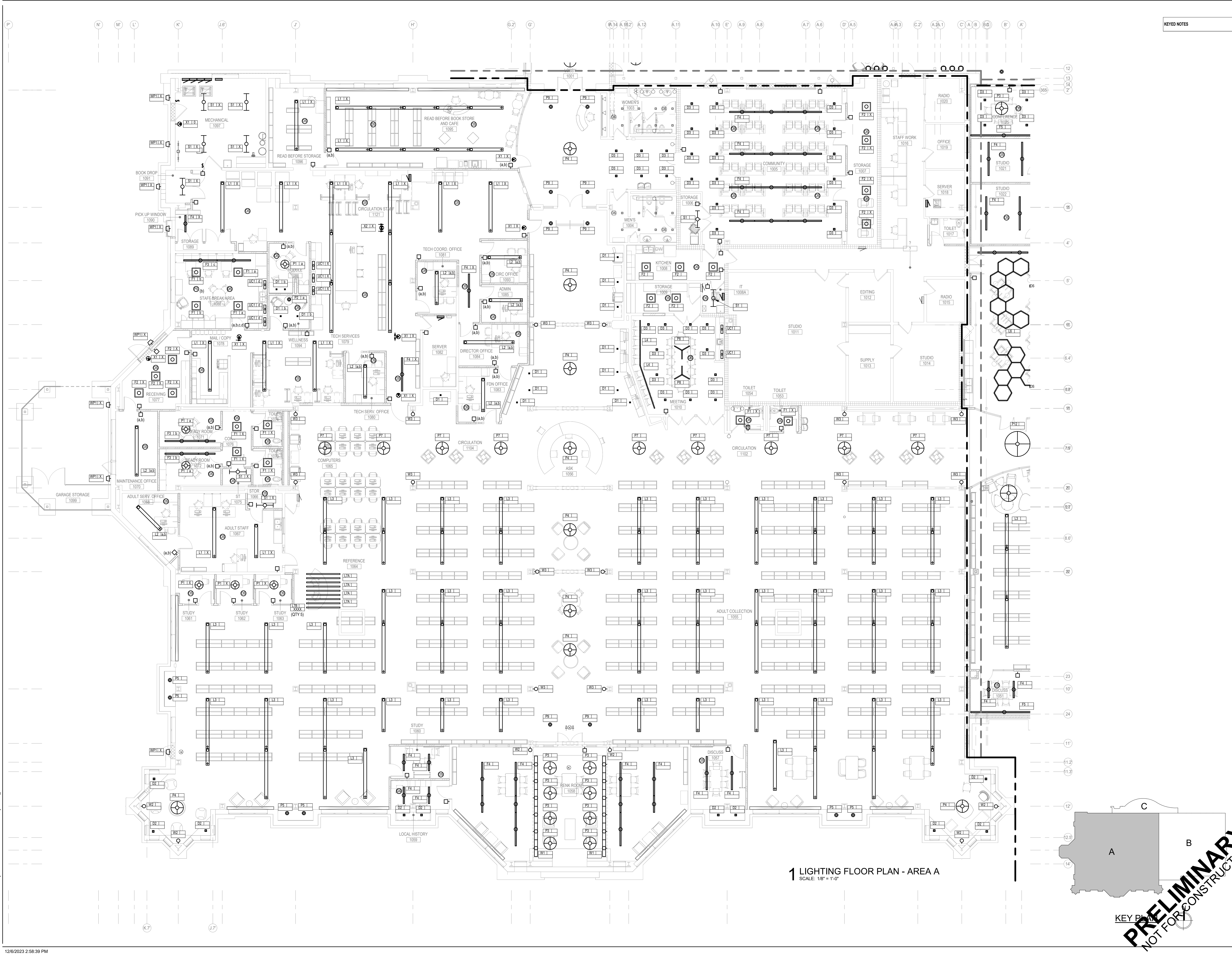
PRELIMINARY
NOT FOR CONSTRUCTION

 FEH DESIGN SIOUX CITY, IA (712) 252-3889 DES MOINES, IA (515) 288-2000 DUBUQUE, IA (663) 583-4500 OCONOMOWOC, WI (262) 968-2055	PROJECT TITLE CITY OF SUN PRAIRIE SUN PRAIRIE PUBLIC LIBRARY REMODEL AND ADDITION 1350 LINNERUD DRIVE SUN PRAIRIE, WI
	PROJECT NUMBER 2023402
SHEET TITLE ELECTRICAL DEMOLITION SITE PLAN	DATE ISSUED 12/16/2023 REV. NO. DATE
IN ASSOCIATION WITH SNYDER & ASSOCIATES DESIGN ENGINEERS	PROJECT NUMBER 2023402 SHEET ED3.1



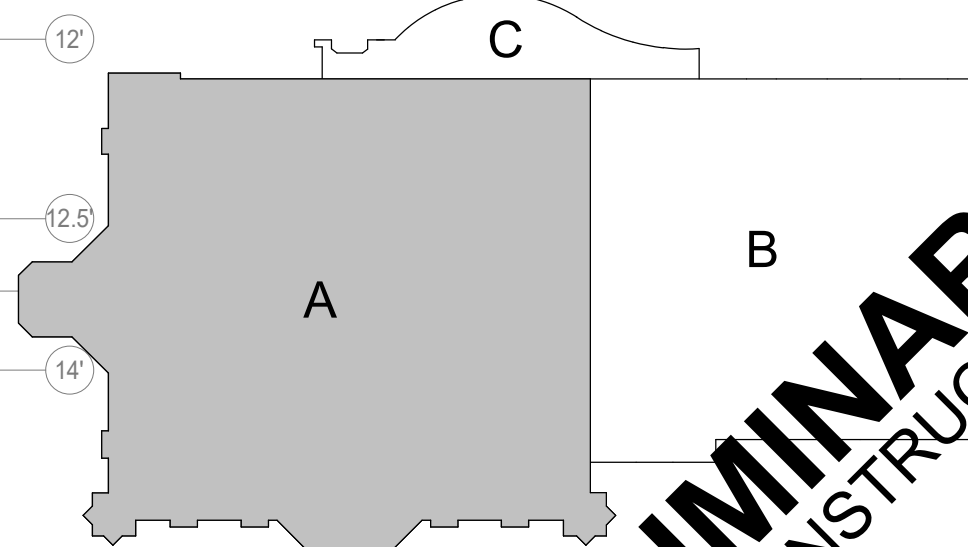
1 OVERALL ELECTRICAL FLOOR PLAN
SCALE: 3/32" = 1'-0"





KEYED NOTES

1 LIGHTING FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

FEH DESIGN
DESIGN ENGINEERS
SNYDER & ASSOCIATES
DESIGN ENGINEERS

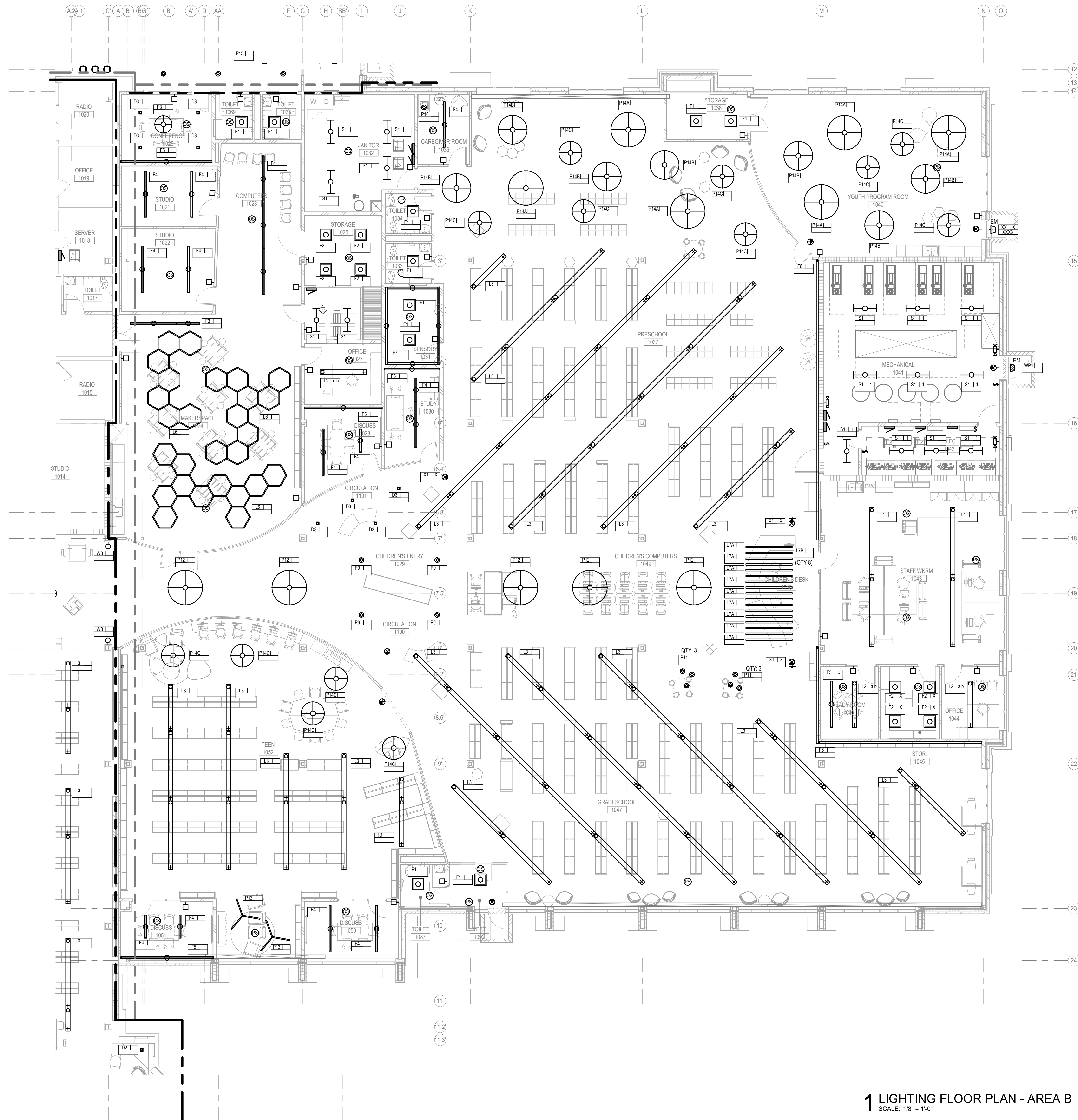
IN ASSOCIATION WITH
SNYDER & ASSOCIATES
DESIGN ENGINEERS

SHEET TITLE
LIGHTING FLOOR PLAN - AREA A

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

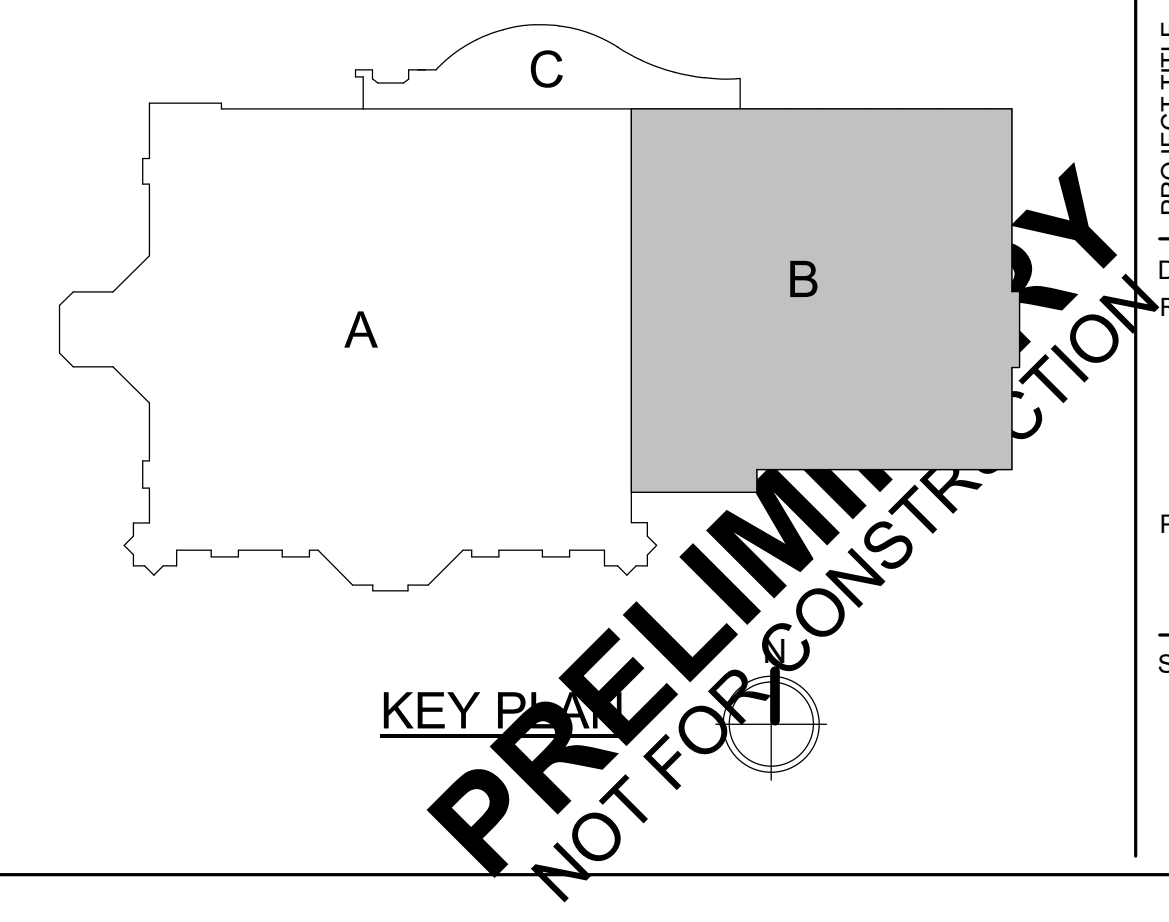
DATE ISSUED 12/16/2023
REV. NO. DATE
PROJECT NUMBER
2023402
SHEET
EL1.2

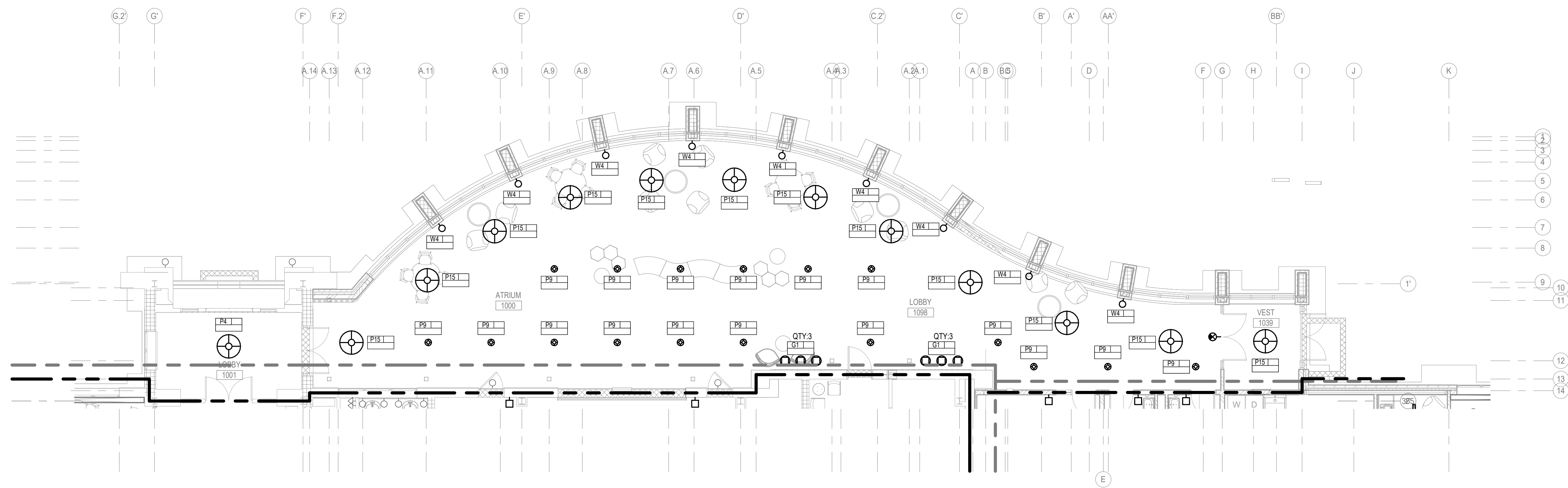
OCONOMOWOC, WI (262) 968-2055
DUBUQUE, IA (663) 983-4600
DES MOINES, IA (515) 288-2000
SIOUX CITY, IA (712) 252-3889



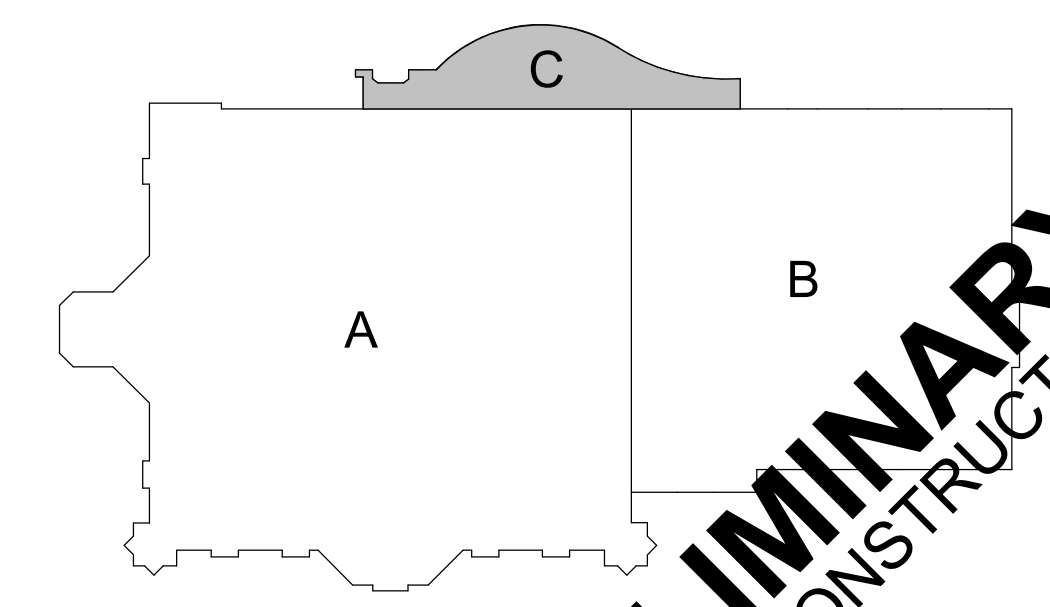
KEYED NOTES

1 LIGHTING FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"





1 LIGHTING FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



PRELIMINARY
NOT FOR CONSTRUCTION

KEYED NOTES

IN ASSOCIATION WITH



SHEET TITLE
LIGHTING FLOOR PLAN - AREA C

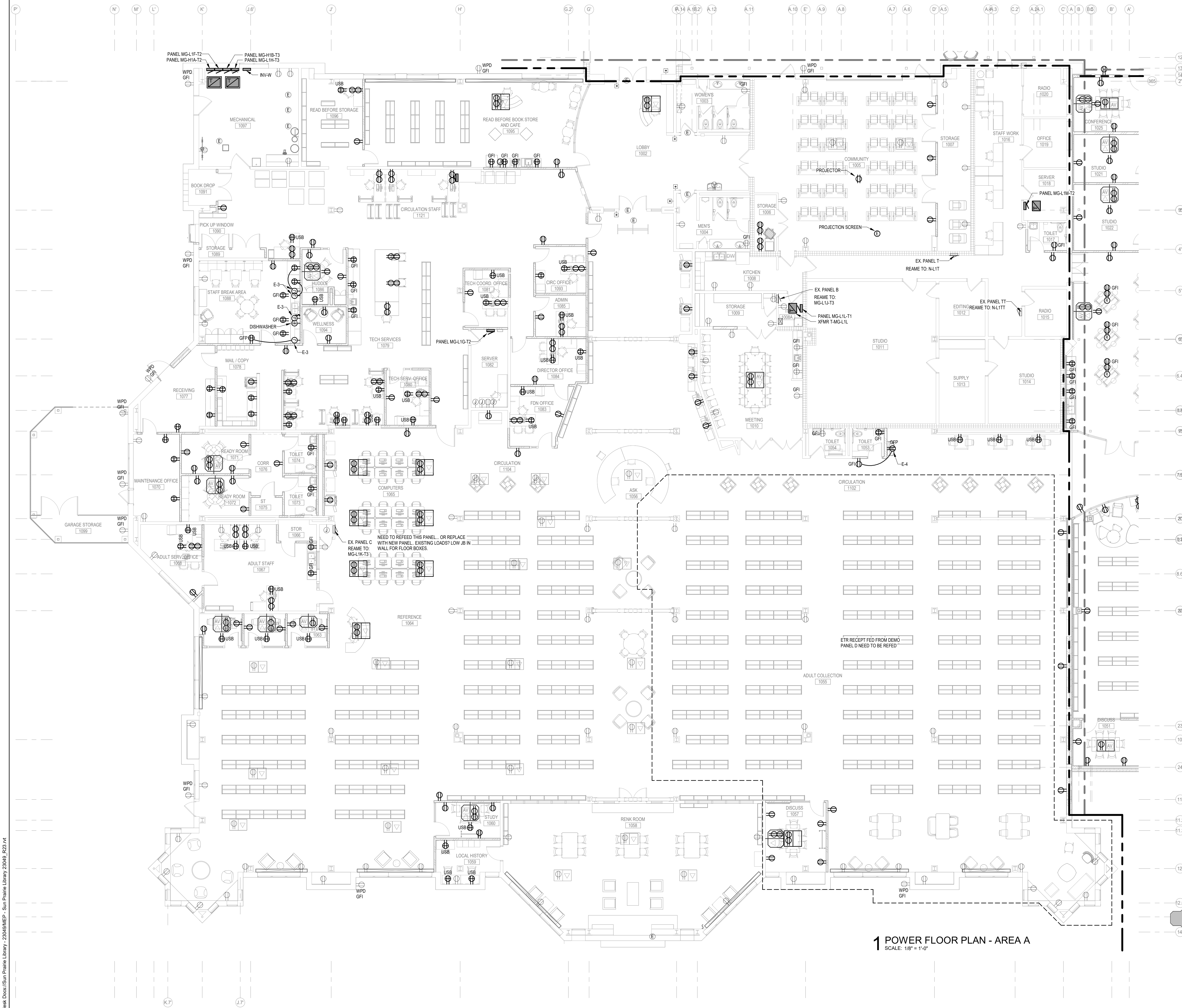
PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET
EL1.4

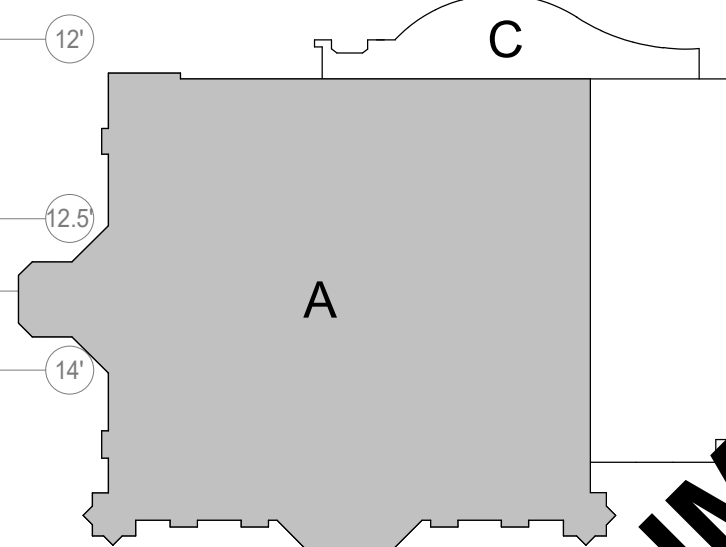
FEH DESIGN
SIOUX CITY, IA (712) 252-3889
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DUBUQUE, IA (663) 583-4500
OCONOMOWOC, WI (262) 968-2055



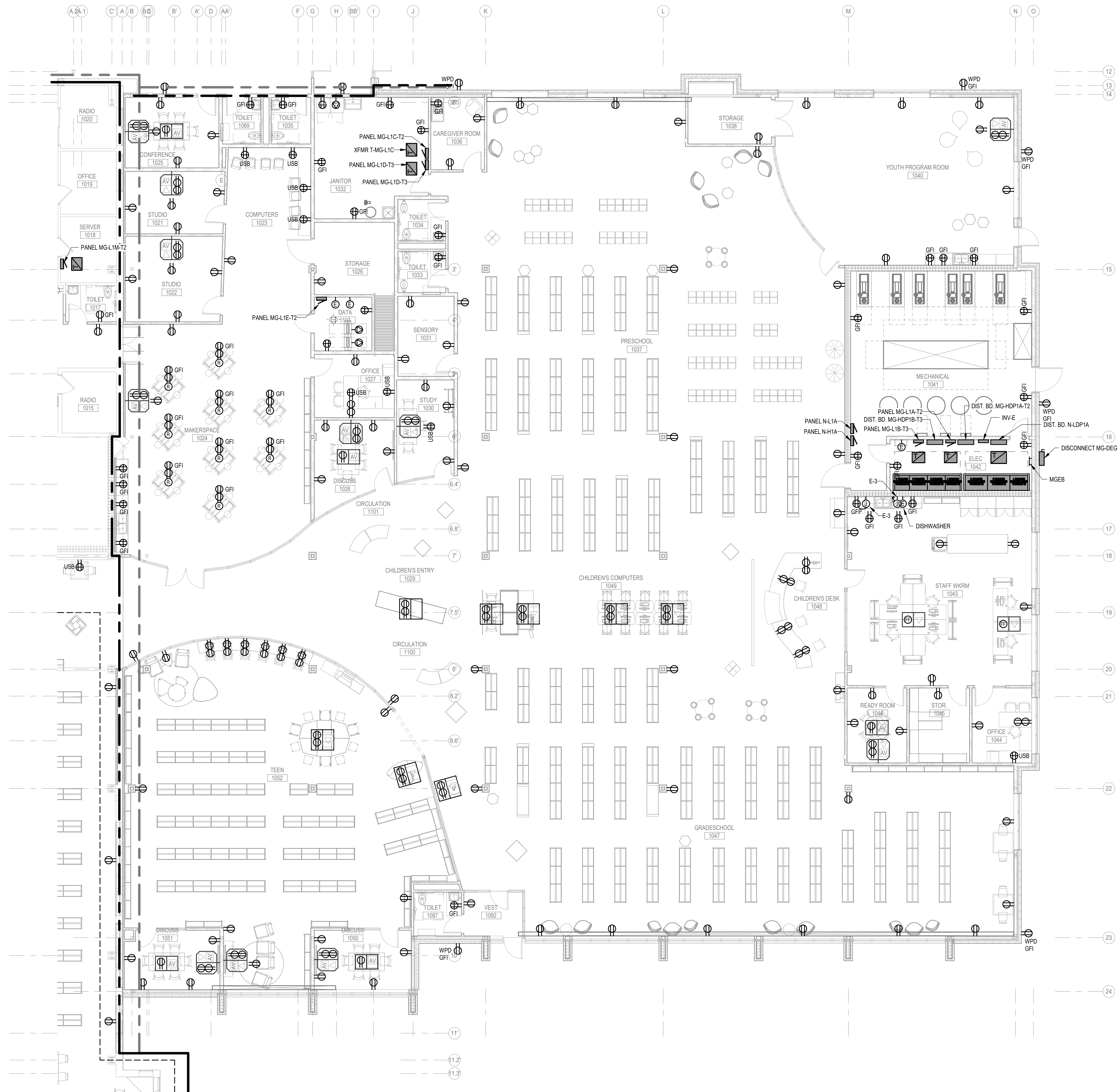
KEYED NOTES

E-3	PROVIDE FACELESS GFI DEVICE TO SERVE SIMPLEX RECEPTACLE BEHIND EQUIPMENT AS NOTED. MOUNT GFI DEVICE ABOVE COUNTERTOP WITH LABEL "REFRIGERATOR", "DISHWASHER", OR "VENDING".
E-4	ELECTRIC WATER COOLER (EWC) SHALL BE GFCI PROTECTED THROUGH ADJACENT GFI RECEPTACLE SHOWN ON PLANS. COORDINATE EWC CONNECTION WITH DIVISION 22 PRIOR TO ROUGH-IN. PROVIDE LABEL TO IDENTIFY SOURCE GFI LOCATION.

1 POWER FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"

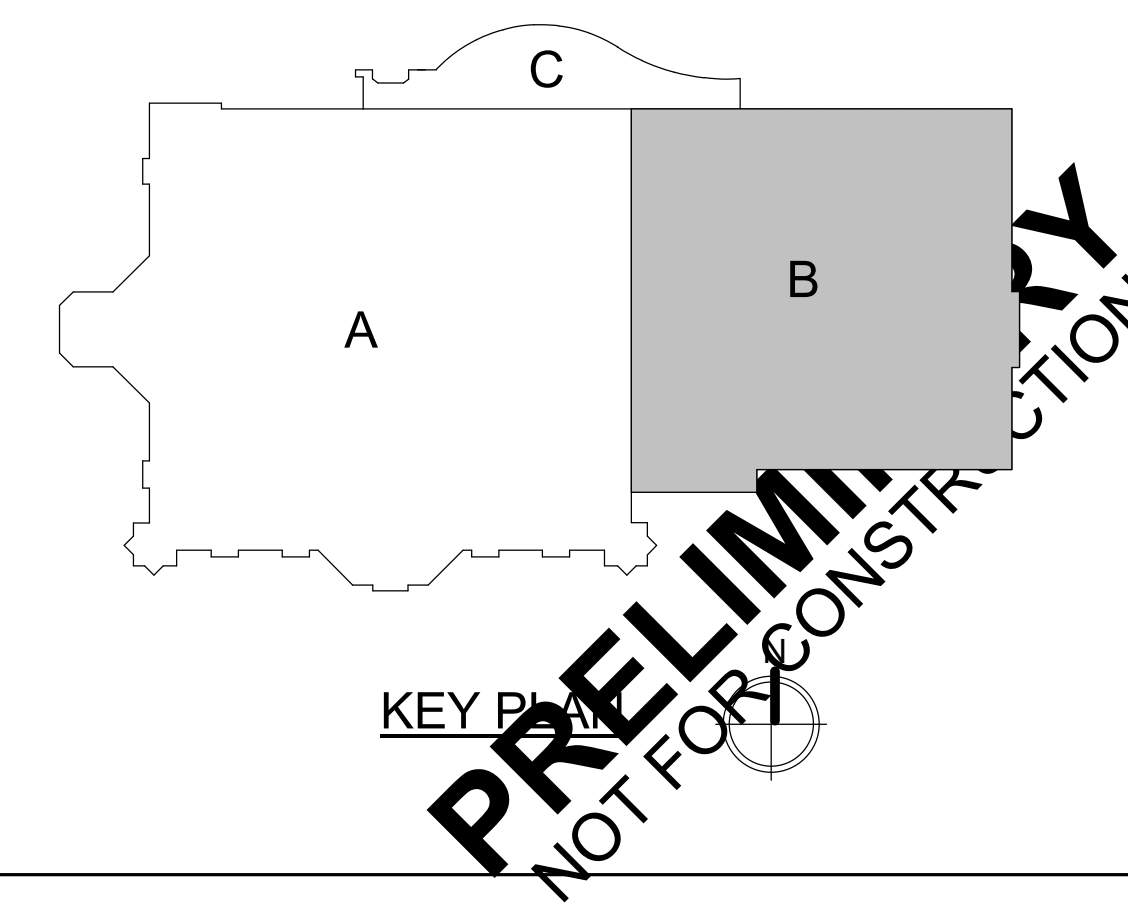


PRELIMINARY
NOT FOR CONSTRUCTION



KEY NOTES	
E-3	PROVIDE FACELESS GFI DEVICE TO SERVE SIMPLEX RECEPTACLE BEHIND EQUIPMENT AS NOTED. MOUNT GFI DEVICE ABOVE COUNTERTOP WITH LABEL "REFRIGERATOR", "DISHWASHER", OR "VENDING".

1 POWER FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"



PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

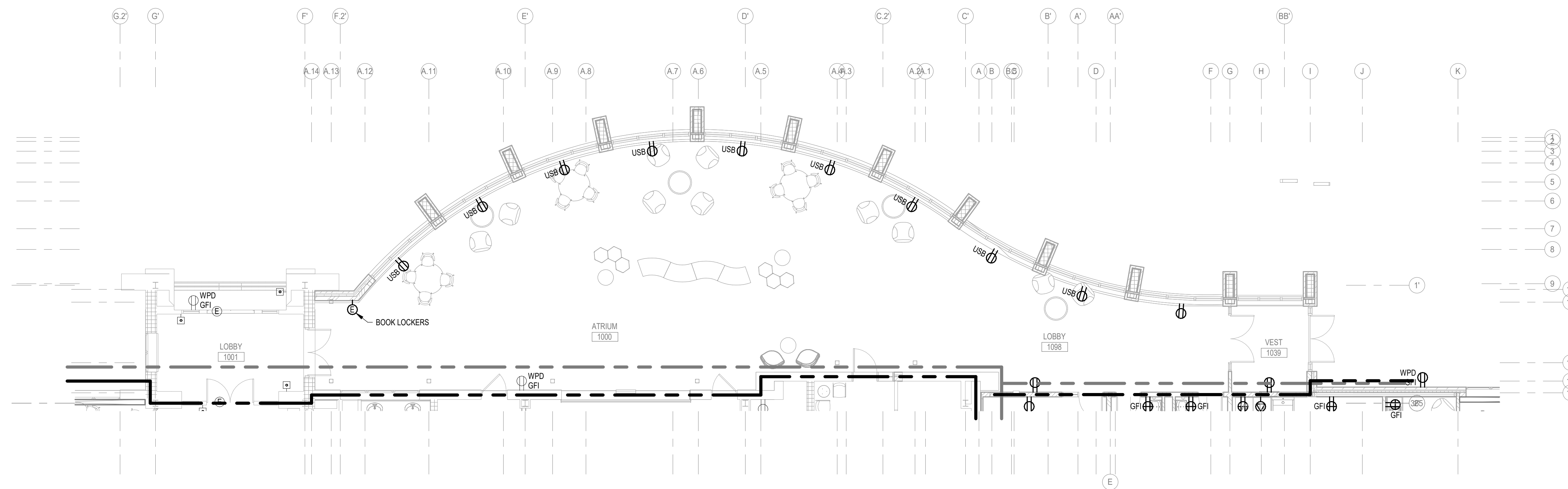
DATE ISSUED: 12/16/2023
 REV. NO. DATE

PROJECT NUMBER: 2023402

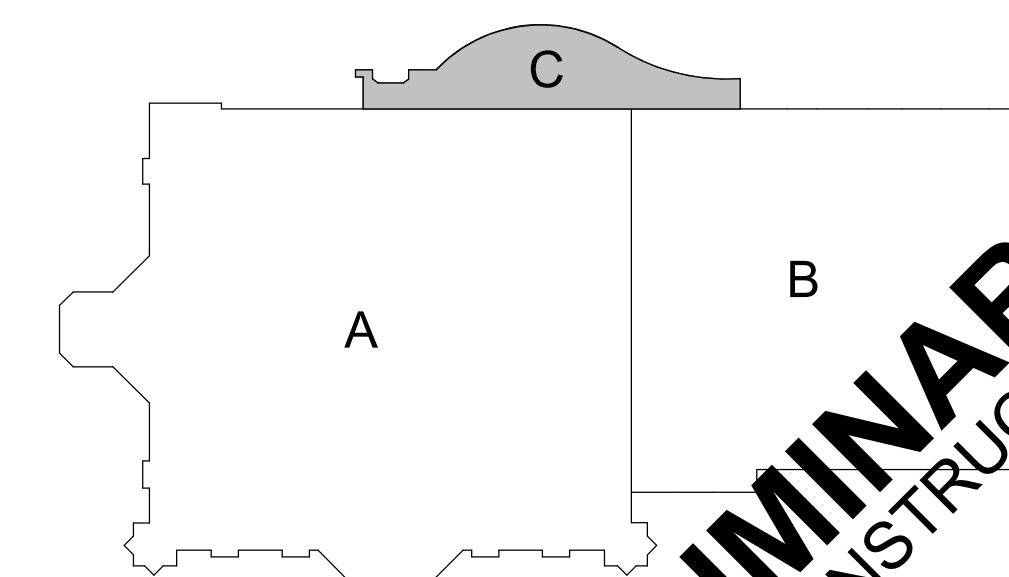
SHEET: EP1.3

IN ASSOCIATION WITH:
SNYDER & ASSOCIATES
 DESIGN ENGINEERS

FEH DESIGN
 DES MOINES, IA (515) 288-2000
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1 POWER FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



KEY PLAN

KEYED NOTES

IN ASSOCIATION WITH



SIOUX CITY, IA (712) 252-3889
DES MOINES, IA (515) 288-2000
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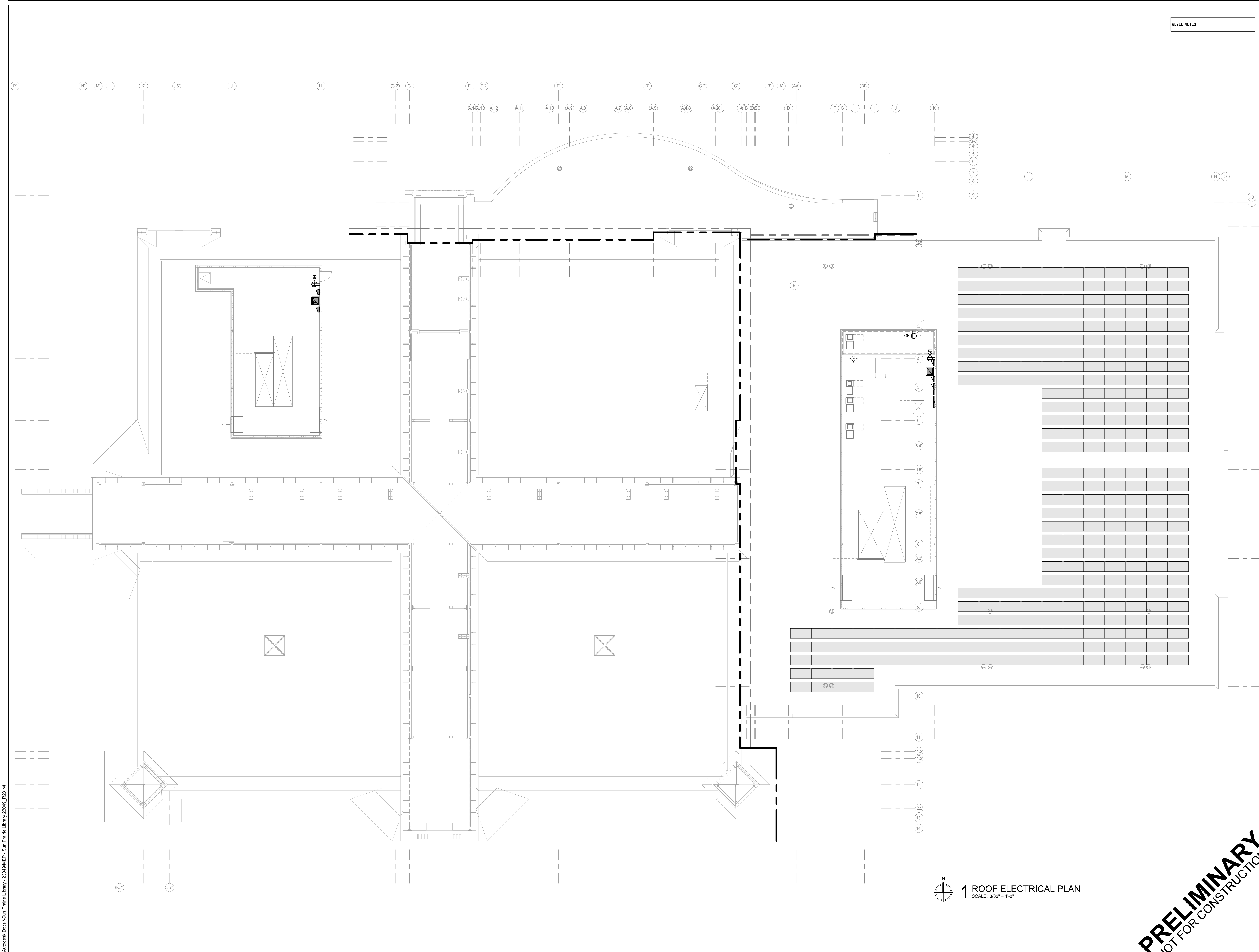
SHEET TITLE
POWER FLOOR PLAN - AREA C

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET
EP1.4



KEYED NOTES

1 ROOF ELECTRICAL PLAN
 SCALE: 3/32" = 1'-0"

PRELIMINARY
 NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED: 12/16/2023
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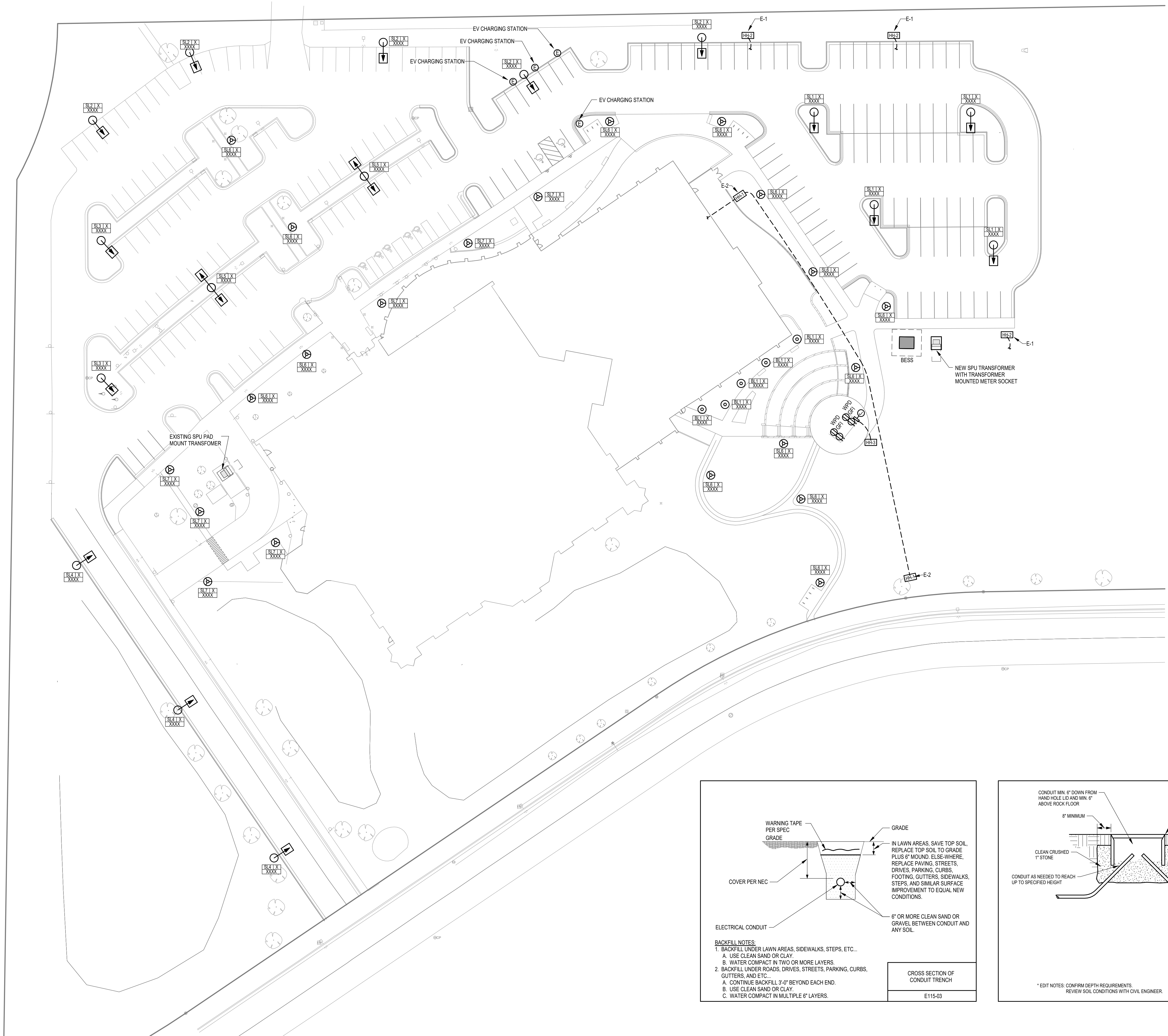
PROJECT NUMBER: 2023402
 SHEET: EP2.1

IN ASSOCIATION WITH:

SNYDER & ASSOCIATES

DESIGN ENGINEERS

FEH DESIGN
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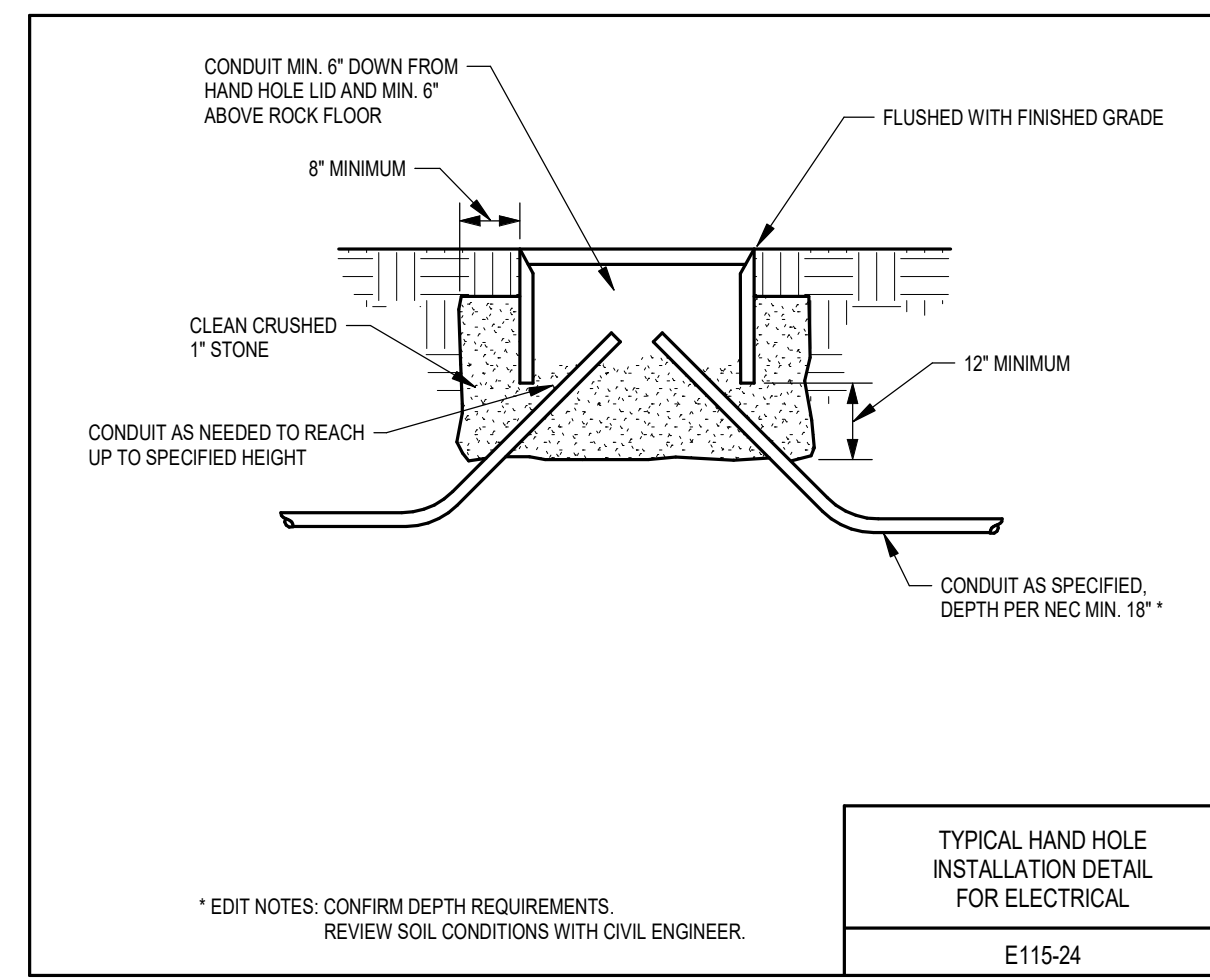
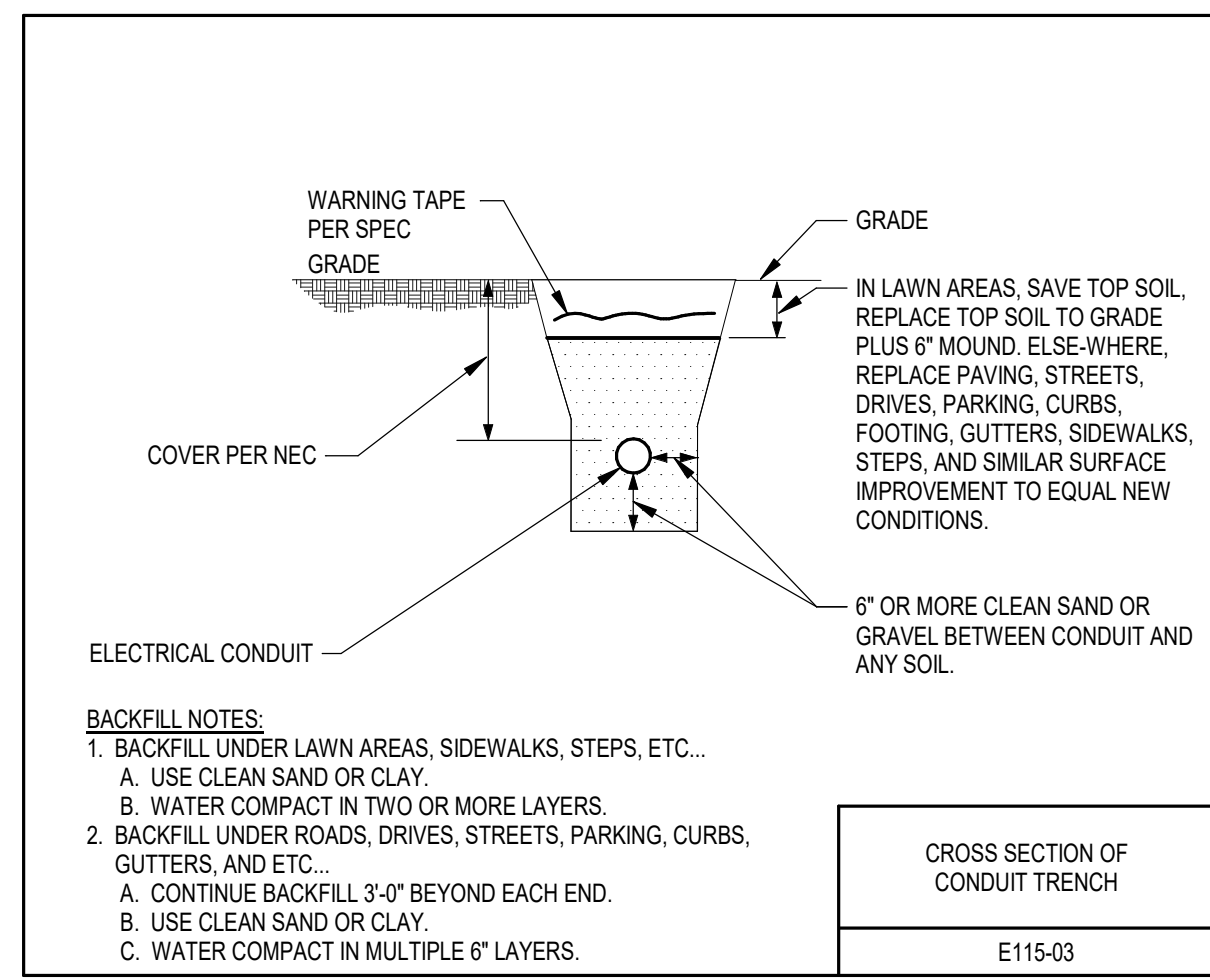


HAND HOLE SCHEDULE						
PLAN MARK	SIZE	DEPTH	TIER	COVER IDENTIFICATION	QUAZITE SERIES	NOTES
HH-1	36"x48"		8	TELECOM	FRP	1.2
HH-2	12"x12"		8	ELECTRICAL	FRP	1.2
HH-3	12"x12"		8	ELECTRICAL	FRP	1.2
HH-4						

NOTES:
 1. OPEN BOTTOM WITH MOUSE HOLES
 2. REFER TO SPECIFICATION 28.05.33 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS FOR ADDITIONAL INFORMATION

KEYED NOTES	
E-1	HAND HOLE AND 2" PVC RACEWAY TO BUILDING FOR FUTURE EV CHARGING STATIONS.
E-2	HAND HOLE AND 21/4" PVC RACEWAY FOR TELECOM SERVICE ENTRANCE CABLING.

1 ELECTRICAL SITE PLAN
 SCALE: 1" = 30'-0"



PRELIMINARY
 NOT FOR CONSTRUCTION

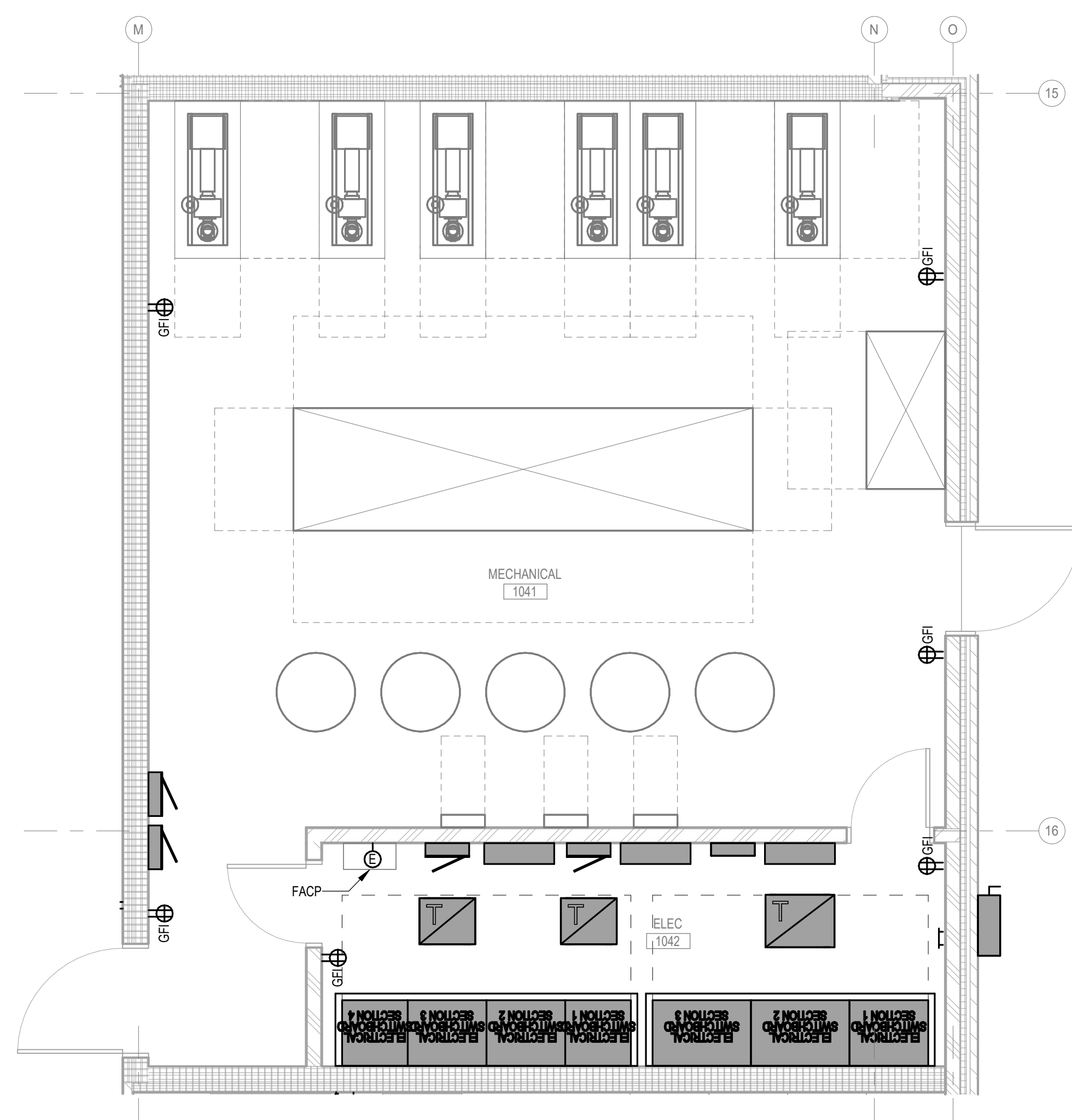
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SUN PRAIRIE PUBLIC LIBRARY REMODEL AND ADDITION
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI
 PROJECT NUMBER: 2023402
 SHEET: **E3.1**

SHEET TITLE: ELECTRICAL SITE PLAN
 IN ASSOCIATION WITH:

SNYDER & ASSOCIATES
 DESIGN ENGINEERS

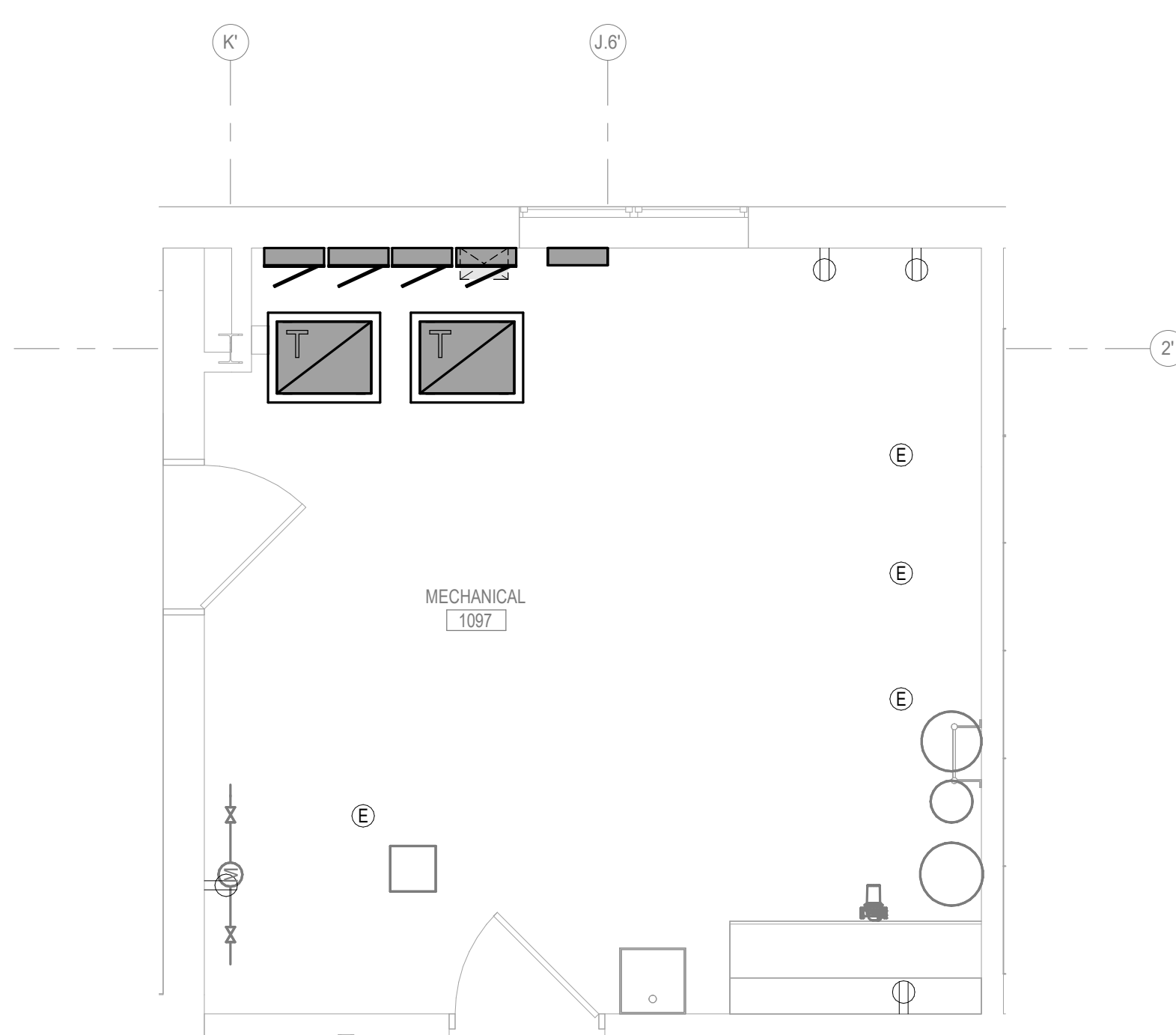
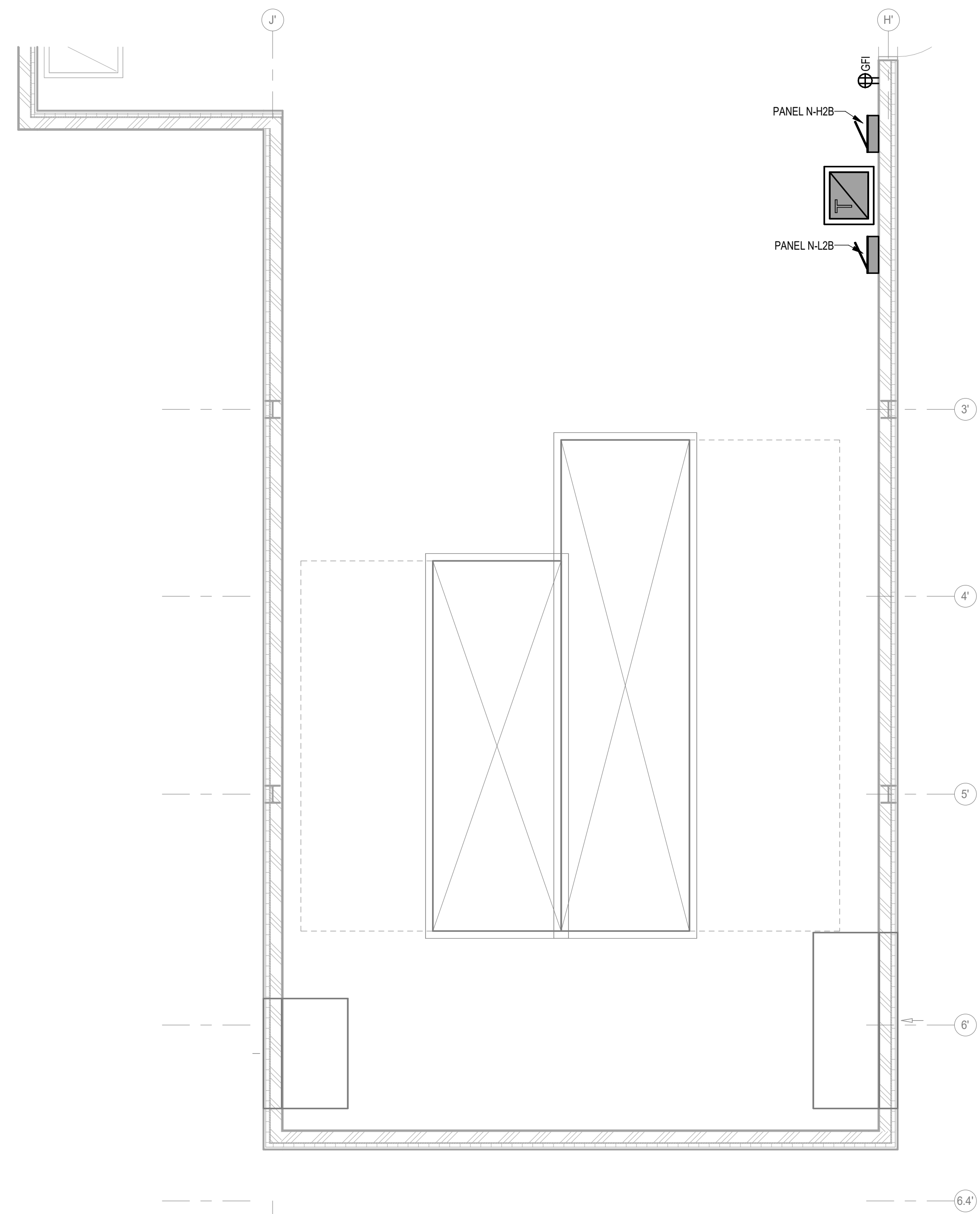
FEH DESIGN
 DUBUQUE, IA (515) 288-2000
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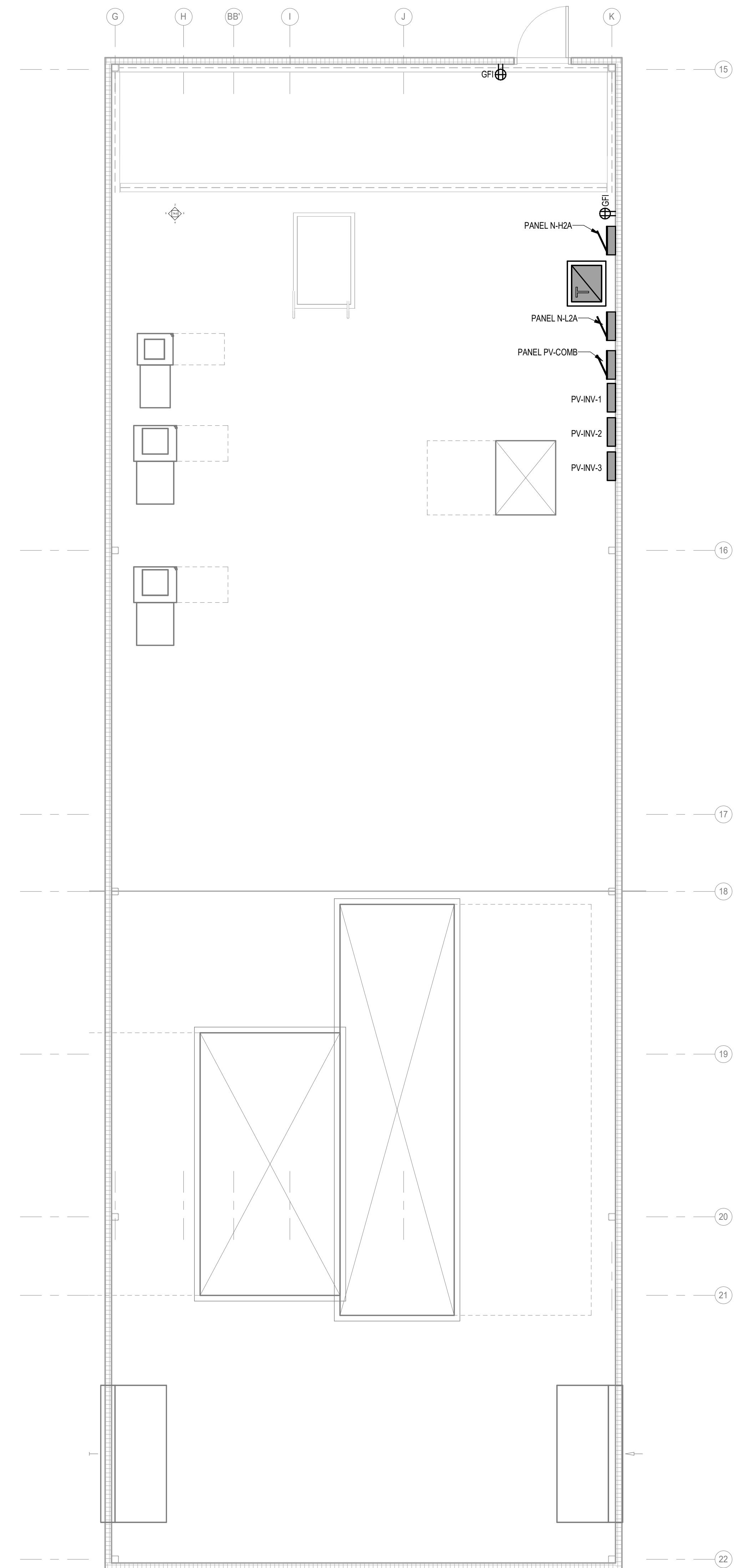


3 MECH 1041/ELEC 1042 ENLARGED PLAN
SCALE: 1/4" = 1'-0"

1 ENLARGED WEST PENTHOUSE PLAN
SCALE: 1/4" = 1'-0"



4 MECH 1097 ENLARGED PLAN
SCALE: 1/4" = 1'-0"

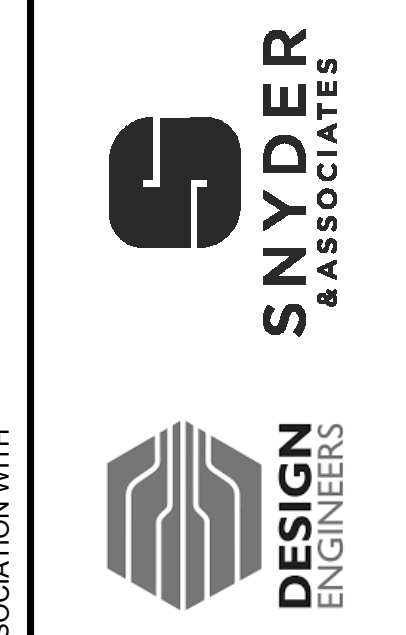


2 ENLARGED EAST PENTHOUSE PLAN
SCALE: 1/4" = 1'-0"

KEYED NOTES

PRELIMINARY
NOT FOR CONSTRUCTION

IN ASSOCIATION WITH



SHEET TITLE
ELECTRICAL ENLARGED PLANS

PROJECT TITLE CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

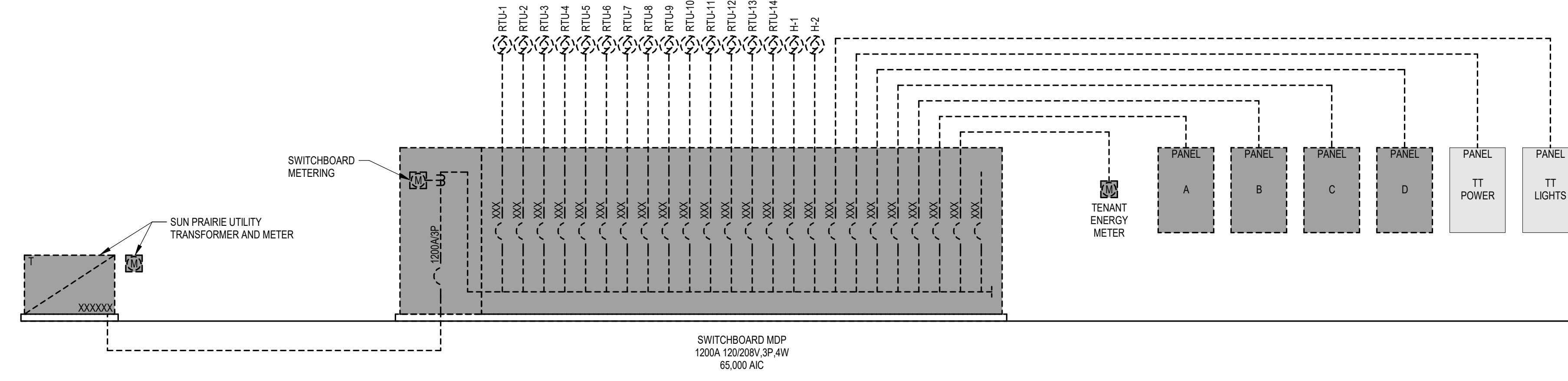
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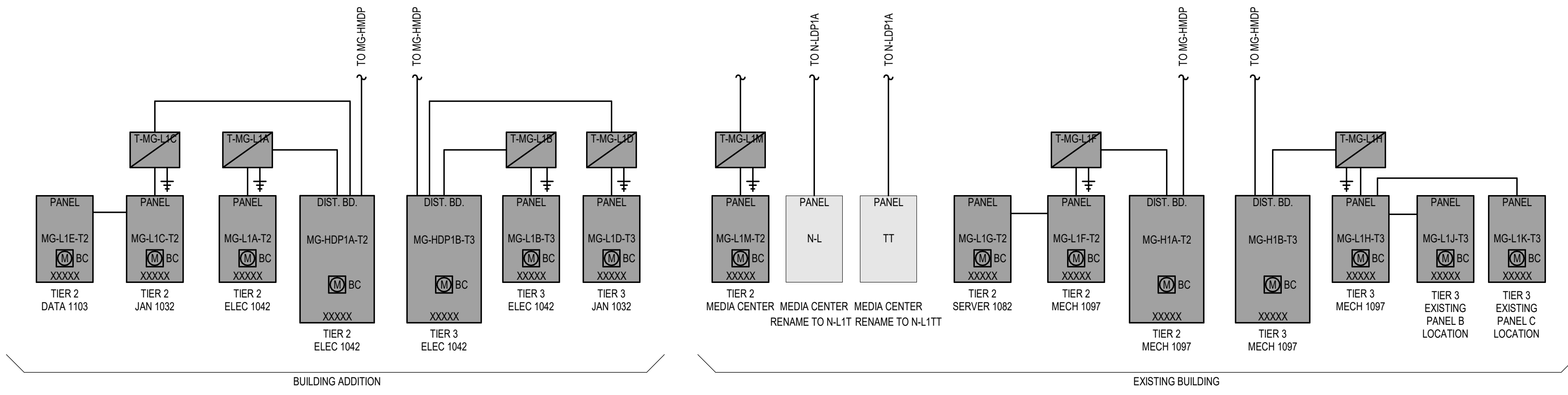
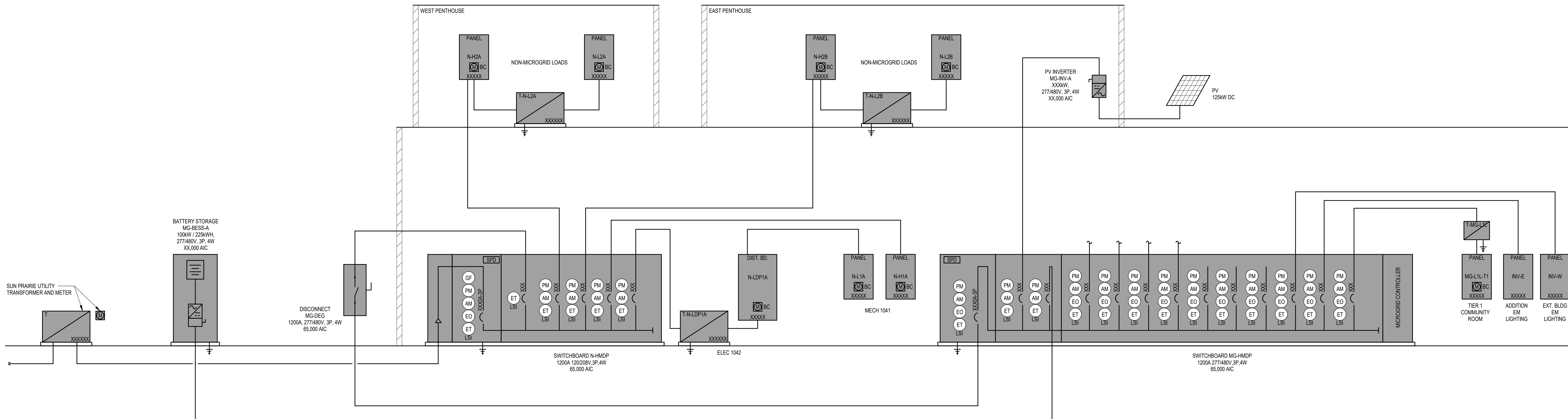
SHEET
E4.0



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1 ELECTRICAL SCHEMATIC RISER - DEMOLITION
NOT TO SCALE



2 ELECTRICAL SCHEMATIC RISER - NEW WORK
NOT TO SCALE

PRELIMINARY
NOT FOR CONSTRUCTION

PLAN MARK	DESCRIPTION	MANUFACTURER	FLOOR/WALL TYPE	ACTIVATION BOX SCHEDULE				LOW VOLTAGE				SCHEMATIC DETAIL	NOTES		
				BOX		COVER		POWER		MOUNTING PLATE (QTY.)				CONDUIT	
				RFBAE-OG	EFB8S-OG	EFB6810BTCBK	BLACK	RECEPT QTY.	CONDUIT	QTY. OF OPENINGS	CONDUIT			CONDUIT	CONDUIT
ABF-1	CONCEALED SERVICE FLOOR BOX - POWER/DATA	WIREMOLD	CARPET ON CONCRETE	RFBAE-OG	EFB8S-OG	EFB6810BTCBK	BLACK	2	(1) 3/4"	2	6	(1) 1-1/4"	1,2,3		
ABF-2	CONCEALED SERVICE FLOOR BOX - POWER/DATA/AV	WIREMOLD	CARPET ON CONCRETE	RFBAE-OG	EFB8S-OG	EFB6810BTCBK	BLACK	2	(1) 3/4"	2	6	(2) 1-1/4"	1,2,3		
ABF-3	CONCEALED SERVICE FLOOR BOX - FURN. FEED	WIREMOLD	CARPET ON CONCRETE	RFBAE-OG	EFB8S-OG	EFB6810BTCBK	BLACK	1	(1) 3/4"	1	1	(2) 1-1/4"	1,2,3		
ABW-1	FLAT PANEL WALL BOX	FSR	DRYWALL ON METAL STUD	PWB-250	--	--	WHITE	1	(1) 3/4"			(2) 1-1/4"	1,2,3		

NOTES:

- General Items
 - Provide all necessary components required for a complete installation.
 - Provide blank cover plates for all un-used openings.
 - Refer to Technology drawings to verify number of cables and data jacks required as well as conduit sizes and quantity.
 - Confirm cover plate types and finishes with architect.
- Provide NEMA 5-20R receptacle(s).
- Provide with divider to separate line voltage from low voltage.

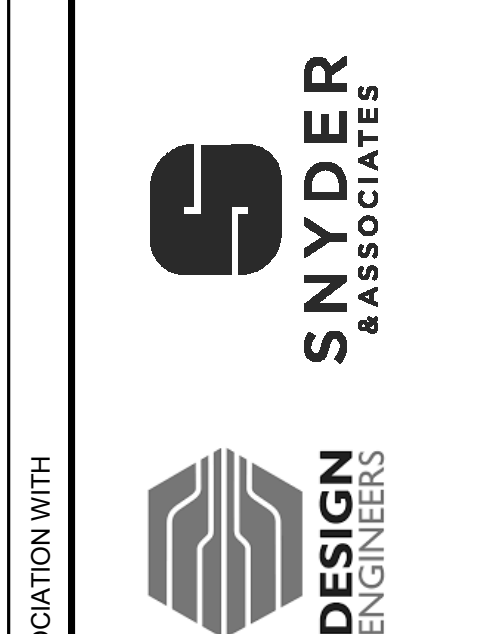
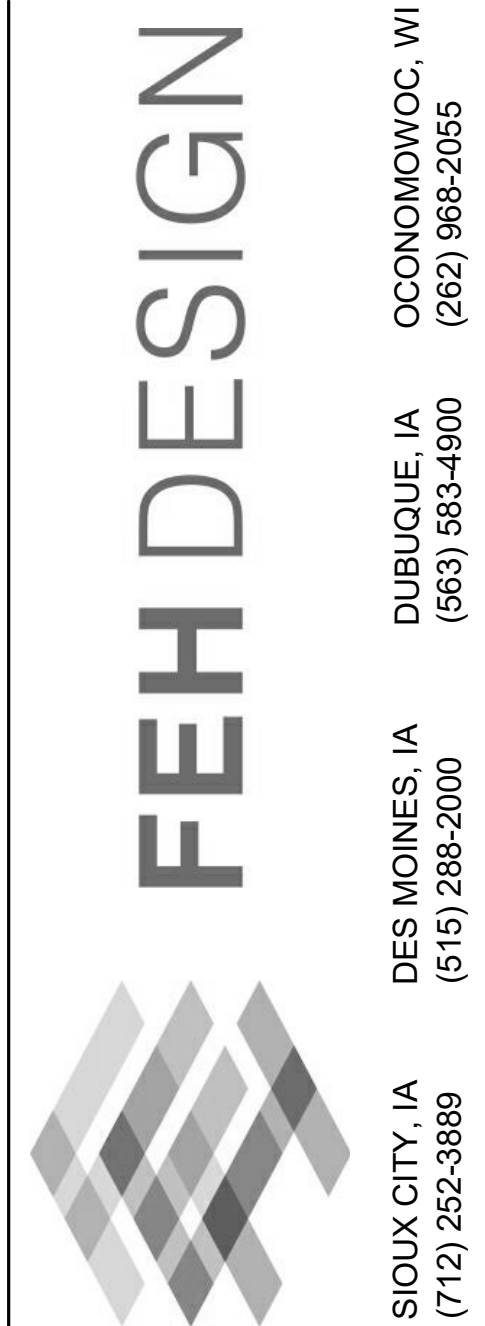
PLAN MARK	KVA RATING	OC TEMP. RISE	PRIMARY		SECONDARY		TAPS		K Rating	NOTES		
			VOLTS	PH WIRE	VOLTS	PH WIRE	% REG.	NO. (+) NO. (-)				
T-N-LDP1A	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-N-L2A	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-N-L2B	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-MG-L1A	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-MG-L1B	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-MG-L1C	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-MG-L1D	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-MG-L1F	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-MG-L1H	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-MG-L1L	115	480	3	3	120/208	3	4	2.5	2	4	1	1
T-MG-L1M	115	480	3	3	120/208	3	4	2.5	2	4	1	1

NOTES:

- Refer to specifications for approved manufacturers and additional information.

SWITCHBOARD SCHEDULE: MG-HMDP									
VOLTAGE: 277/480V, 3Ph, 4W					ELECTRICAL 1042 LOCATION				
GRND BUS: Yes					65000 IESCR				
NEUTRAL: 100%					:SPD(Note 1)				
BUS: 1600A MB					:METERING(Note 1)				
CKT NO.	BREAKER FRAME	BREAKER TRIP	POLE	BREAKER OPTIONS	BREAKER RATING	BASIS OF DESIGN (Note 3)	LOAD SERVED	REMARKS	
MAIN CIRCUIT BREAKER (FIXED MOUNTED)(Note 4)									
1	1200A	3	L,S,I,PM,EO	100%			N/A		
FEEDER CIRCUIT BREAKERS (FIXED MOUNTED)(Note 4)									
1	400A	3	L,S,I,PM	100%			PV INTERCONNECT		
2	400A	3	L,S,I,PM,EO	80%			BESS INTERCONNECT		
3	400A	3	L,S,I,PM,EO	80%			MG-HDP1A-T2		
4	400A	3	L,S,I,PM,EO	80%			MG-HDP1B-T3		
5	400A	3	L,S,I,PM,EO	80%			MG-H1A-T2		
6	400A	3	L,S,I,PM,EO	80%			MG-H1B-T3		
7	400A	3	L,S,I,PM,EO	80%			T-MG-L1L / MG-L1L-T1		
8	400A	3	L,S,I,PM,EO	80%			INV-E		
9	400A	3	L,S,I,PM,EO	80%			INV-W		
10	400A	3	L,S,I,PM,EO	80%				PREPARED SPACE	
11	400A	3	L,S,I,PM,EO	80%				PREPARED SPACE	
12	400A	3	L,S,I,PM,EO	80%				PREPARED SPACE	
13	400A	3		80%				PREPARED SPACE	
14	400A	3		80%				PREPARED SPACE	
15	400A	3		80%				PREPARED SPACE	
MICROGRID CONTROLLER (NOTE X)									
BREAKER OPTIONS KEY: L = Long time trip pickup and delay adjustment S = Short time trip pickup and delay adjustment I = Instantaneous trip pickup adjustment G = Ground Fault Trip pickup and delay adjustment, Note 2 GA = Ground Fault Alarm pickup and delay adjustment, Note 2 ST = Shunt Trip ZSI# = Zone Selective Interlock (Short time and/or Ground Fault), # indicates zone number A = Integral Amp Meter PM = Power Meter, Integral to Breaker EO = Electrically Operated (Open-Close) TM = Thermal Magnetic fixed Trip									
NOTES: 1. Refer to specification sections for additional information. 2. Provide neutral current transformers for all circuit breakers with ground fault sensing and 4 wire feeds. 3. Basis of design reflects the desired trip characteristics to achieve desired coordination and/or arc flash reduction. 4. All breakers with frame or adjustability 1200A and more shall comply with NEC 240.87. 5. Power supply for breakers to get read out on electronic breaker settings.									

SWITCHBOARD SCHEDULE: N-HMDP									
VOLTAGE: 277/480V, 3Ph, 4W					ELECTRICAL 1042 LOCATION				
GRND BUS: Yes					65000 IESCR				
NEUTRAL: 100%					:SPD(Note 1)				
BUS: 2000A MB					:METERING(Note 1)				
CKT NO.	BREAKER FRAME	BREAKER TRIP	POLE	BREAKER OPTIONS	BREAKER RATING	BASIS OF DESIGN (Note 3)	LOAD SERVED	REMARKS	
MAIN CIRCUIT BREAKER (FIXED MOUNTED)(Note 4)									
1	2000A	3	L,S,I,G,PM,EO	100%			N/A		
FEEDER CIRCUIT BREAKERS (FIXED MOUNTED)(Note 4)									
1	1200A	3	L,S,I,PM	100%			MICROGRID INTERCONNECT		
2	400A	3	L,S,I,PM	80%			N-H2A		
3	400A	3	L,S,I,PM	80%			N-H2B		
4	400A	3	L,S,I,PM	80%			N-H1A		
5	400A	3	L,S,I,PM	80%			T-N-LDP1A-N-LDP1A		
6	400A	3	L,S,I,PM	80%				SPARE BREAKER	
7	400A	3	L,S,I,PM	80%				SPARE BREAKER	
8	400A	3	L,S,I,PM	80%				SPARE BREAKER	
9	400A	3	L,S,I,PM	80%				PREPARED SPACE	
10	400A	3		80%				PREPARED SPACE	
BREAKER OPTIONS KEY: L = Long time trip pickup and delay adjustment S = Short time trip pickup and delay adjustment I = Instantaneous trip pickup adjustment G = Ground Fault Trip pickup and delay adjustment, Note 2 GA = Ground Fault Alarm pickup and delay adjustment, Note 2 ST = Shunt Trip ZSI# = Zone Selective Interlock (Short time and/or Ground Fault), # indicates zone number A = Integral Amp Meter PM = Power Meter, Integral to Breaker EO = Electrically Operated (Open-Close) TM = Thermal Magnetic fixed Trip									
NOTES: 1. Refer to specification sections for additional information. 2. Provide neutral current transformers for all circuit breakers with ground fault sensing and 4 wire feeds. 3. Basis of design reflects the desired trip characteristics to achieve desired coordination and/or arc flash reduction. 4. All breakers with frame or adjustability 1200A and more shall comply with NEC 240.87. 5. Power supply for breakers to get read out on electronic breaker settings.									



IN ASSOCIATION WITH

ELECTRICAL POWER SCHEDULES

PROJECT TITLE CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
 REV. NO. DATE
 PROJECT NUMBER
 2023402
 SHEET
E5.1

PRELIMINARY
 NOT FOR CONSTRUCTION

SIOUX CITY, IA (712) 252-3889
 DES MOINES, IA (515) 288-2000
 DUBUQUE, IA (663) 583-4600
 OCONOMOWOC, WI (262) 968-2055

LIGHTING CONTROL SEQUENCE OF OPERATION									
OPERATION SEQUENCE	SCHEMATIC DETAIL	LIGHT LEVEL SET POINT	TIME DELAY	LIGHTING SEQUENCE			RECEPTACLE SEQUENCE	HVAC SEQUENCE	NOTES
				TRIGGER ON	DAY LIGHT CONTROLS	TRIGGER OFF			
0	N/A	N/A	N/A	CONSTANT ON	N/A	CONSTANT ON	N/A	-	FIXTURE IS WIRED TO UNSWITCHED CIRCUIT. FIXTURE IS ALWAYS ENERGIZED.
1	N/A	N/A	N/A	SINGLE POLE WALL SWITCH	N/A	SINGLE POLE WALL SWITCH	N/A	N/A	FIXTURE IS WIRED TO A SWITCH LEG FOR MANUAL CONTROL. SPACE CONTAINS EQUIPMENT THAT MAY BECOME UNSAFE FOR AUTOMATIC OFF CONTROL.
2	N/A	N/A	ADJUSTABLE, SET TO 15 MINUTES	LIGHTING CONTROL STATION	N/A	LIGHTING CONTROL STATION OR OCCUPANCY SENSOR	N/A	N/A	MANUAL ON BY LIGHTING CONTROL STATION. AUTO OFF BY OCCUPANCY SENSOR. MANUAL OFF BY LIGHTING CONTROL STATION.
3	N/A	N/A	N/A	LIGHTING CONTROL STATION, TIMECLOCK	N/A	LIGHTING CONTROL STATION, TIMECLOCK	N/A	N/A	
5	N/A	N/A	ADJUSTABLE, SET TO 15 MINUTES	OCCUPANCY SENSOR	N/A	OCCUPANCY SENSOR	N/A	N/A	AUTOMATIC ON BY OCCUPANCY SENSOR. AUTOMATIC OFF BY OCCUPANCY SENSOR.
6	N/A	20FC	ADJUSTABLE, SET TO 15 MINUTES	OCCUPANCY SENSOR	PHOTOCELL	OCCUPANCY SENSOR	N/A	N/A	AUTOMATIC ON BY OCCUPANCY SENSOR. PHOTOCELL AUTOMATICALLY CALIBRATES LIGHT INTENSITY TO LIGHT LEVEL SET POINT. AUTOMATIC OFF BY OCCUPANCY SENSOR.
8	N/A	N/A	ADJUSTABLE, SET TO 15 MINUTES	LIGHTING CONTROL STATION	N/A	LIGHTING CONTROL STATION OR OCCUPANCY SENSOR	N/A	N/A	MANUAL ON BY LIGHTING CONTROL STATION. AUTOMATIC OFF BY OCCUPANCY SENSOR OR MANUAL OFF BY LIGHTING CONTROL STATION. LIGHTING CONTROL STATION CAPABLE OF DIMMING LIGHTS.
10	N/A	N/A	ADJUSTABLE, SET TO 15 MINUTES	OCCUPANCY SENSOR	N/A	LIGHTING CONTROL STATION OR OCCUPANCY SENSOR	N/A	N/A	AUTOMATIC ON BY OCCUPANCY SENSOR TO 50%. AUTOMATIC OFF BY OCCUPANCY SENSOR OR MANUAL OFF BY LIGHTING CONTROL STATION. LIGHTING CONTROL STATION CAPABLE OF DIMMING LIGHTS AND RAISING TO 100% ON.
12	N/A	N/A	N/A	ASTRONOMICAL CLOCK CONTROL	N/A	ASTRONOMICAL CLOCK CONTROL	N/A	N/A	LIGHTS ON DUSK TO 12AM & 6AM TO DAWN. LIGHTS OFF 12AM-6AM.
13	N/A	N/A	N/A	ASTRONOMICAL CLOCK CONTROL	N/A	ASTRONOMICAL CLOCK CONTROL	N/A	N/A	LIGHTS ON DUSK TO DAWN.

GENERAL NOTES:
 A. FOR ALL CONTROL SEQUENCES WITH WALL STATIONS, THE PROGRAMMED SETTING OF THE WALL STATION WILL MAINTAIN THE ACTIVE CONTROL FUNCTION UNTIL LOSS OF OCCUPANCY IS DETECTED, THEN THE SYSTEM WILL DEFAULT BACK TO ITS INITIAL SEQUENCE.

SPECIFIC NOTES:
 1.
 2.

LIGHTING CONTROL DEVICE SCHEDULE			
PLAN MARK	DESCRIPTION	MOUNTING	NOTES
OS-A	DUAL TECHNOLOGY LOW VOLTAGE SENSOR	CEILING	
OS-B	DUAL TECHNOLOGY LOW VOLTAGE SENSOR	WALL 8'-0" AFF OR PER ARCH.	
PS-A	PHOTOSENSOR- OPEN LOOP	CEILING	

GENERAL NOTES:
 A. LOCATIONS OF CEILING DEVICES MAY REQUIRE ADJUSTMENT AFTER INSTALLATION. REFER TO 260923 FOR SPARE CABLE REQUIREMENTS.
 B. REFER TO SPECIFICATION SECTION 260923 - LIGHTING CONTROL SYSTEMS FOR MORE INFORMATION.
 C. ALL OCCUPANCY SENSORS ARE TYPE OS-A UNLESS NOTED OTHERWISE.
 D. ALL DAYLIGHT / PHOTOSENSORS ARE TYPE PS-A UNLESS NOTED OTHERWISE.

NOTES:
 1.

LIGHTING CONTROL PANEL (LCP-W)						
ZONE	CIRCUIT NO.	POWER CIRCUIT	DESCRIPTION	LIGHTING TYPE	CONNECTED WATTS	REMARKS
a	1		WALL MTD LTS 24HR	LED		
b	2		WALL MTD LTS CURFEW	LED		
c	3		SITE LIGHTING 24HR	LED		
d	4		SITE LIGHTING CURFEW	LED		
e	5		SPARE			
f	6		SPARE			
g	7		SPARE			
h	8		SPARE			

GENERAL NOTES:
 1. System Basis of Design - x
 2. Manufacturer shall include a pre-construction meeting and commissioning of the lighting controls, refer to specification.
 3. Contractor shall provide all necessary parts and accessories for a complete and operating system.
 4. Contractor shall have a meeting with the Owner and Design Team to review the operation sequence. Meeting shall occur during either a standing construction meeting or prior to final programming of the panel. Meeting shall be used to confirm with Owner the time sequence for the switching and make any programming adjustments to accommodate the Owner's desired function of the LCP.

LIGHTING CONTROL PANEL (LCP-E)						
ZONE	CIRCUIT NO.	POWER CIRCUIT	DESCRIPTION	LIGHTING TYPE	CONNECTED WATTS	REMARKS
a	1		WALL MTD LTS 24HR	LED		
b	2		WALL MTD LTS CURFEW	LED		
c	3		SITE LIGHTING 24HR	LED		
d	4		SITE LIGHTING CURFEW	LED		
e	5		AMPHITHEATER SIDEWALK	LED		
f	6		FLAGPOLE	LED		
g	7		SPARE			
h	8		SPARE			

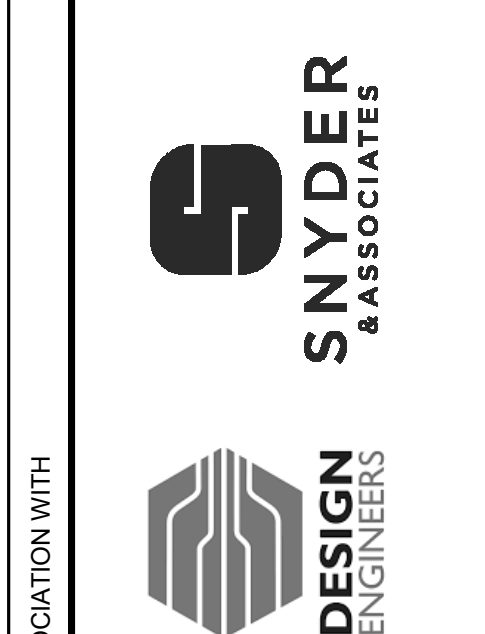
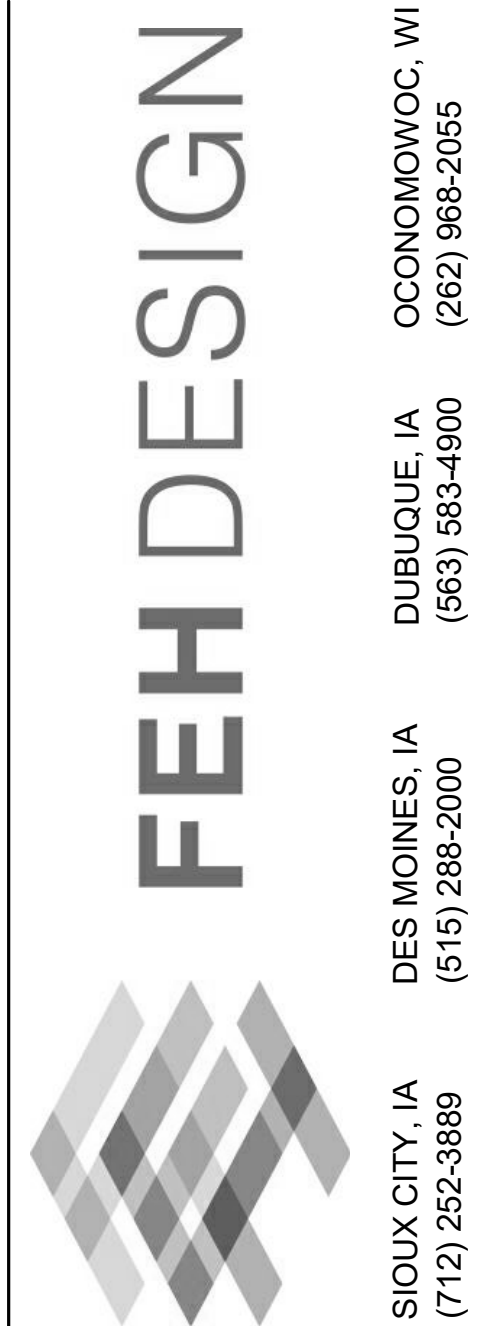
GENERAL NOTES:
 1.
 2. Manufacturer shall include a pre-construction meeting and commissioning of the lighting controls, refer to specification.
 3. Contractor shall provide all necessary parts and accessories for a complete and operating system.
 4. Contractor shall have a meeting with the Owner and Design Team to review the operation sequence. Meeting shall occur during either a standing construction meeting or prior to final programming of the panel. Meeting shall be used to confirm with Owner the time sequence for the switching and make any programming adjustments to accommodate the Owner's desired function of the LCP.

LIGHT FIXTURE SCHEDULE												
PLAN MARK	MANUFACTURERS AND MODEL NUMBERS	DESCRIPTION	LED DETAILS		DRIVER		INPUT WATTS	VOLTS	FITTURE MOUNTING	NOTES		
			COLOR (K)	LUMEN OUTPUT	QTY	TYPE					DIM MIN.	
L1	LUMENWERX CANYON	SUSP D/I	3500		1	0-10	10%		CEILING SUSPENDED			
L2	LUMENWERX CANYON	SUSP D/I	3500		1	0-10	10%		CEILING SUSPENDED			
L3	LUMENWERX VIA2	SUSP D/I	3500		1	0-10	10%		CEILING SUSPENDED			
L4	ECOSENSE NITROGEN 0	SUSP D WW	3500		1	0-10	1%		CEILING SUSPENDED			
L5												
L6	LUMENWERX VIA2 PATTERN	SUSP D/I	3500		1	0-10	10%		CEILING SUSPENDED			
L7A	LUMENWERX VIA1.5 ACOUSTIX	SUSP D ACOUST LIT SECTION	3500		1	0-10	10%		CEILING SUSPENDED			
L7B	LUMENWERX VIA1.5 ACOUSTIX BLANK	SUSP D ACOUST UNLIT SECTION	3500		1	0-10	10%		CEILING SUSPENDED			
P1	TEGAN LIGHTING BUZZISQUARE	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P2	TEGAN LIGHTING BUZZISQUARE	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P3	EUREKA APERTURE	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P4	STRUCTURA AURA	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P5		DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P6	EUREKA APERTURE	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P7	OCL LOOP	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P8	LUMENWERX VIA1.5 ACOUSTIX SPOKE	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P9	GOTHAM EVO CYLINDER	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P10		DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P11	EUREKA MILL	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P12	OCL LOOP	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P13	LUMENWERX VIA1.5 ACOUSTIX SPOKE	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P14A	OCL PETAL 48"	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P14B	OCL PETAL 36"	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P14C	OCL PETAL 24"	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
P15	TRUBRIDGE CORAL	DECORATIVE PENDANT	3500		1	0-10	10%		CEILING SUSPENDED			
F1	LUMENWERX NOVA	2X2 ARCH	3500		1	0-10	10%		CEILING RECESSED			
F2	LITHONIA CPANL	2X2 FLAT PANEL	3500		1	0-10	10%		CEILING RECESSED			
F3	LUMENWERX VIA2	REC LIN WW	3500		1	0-10	10%		CEILING RECESSED			
F4	LUMENWERX VIA2	REC LIN	3500		1	0-10	10%		CEILING RECESSED			
F5	LUMENWERX VIA3 PERIMETER	PERIMETER SLOT	3500		1	0-10	10%		CEILING RECESSED			
F6	LUMENWERX VIA3 PERIMETER	PERIMETER SLOT	3500		1	0-10	10%		CEILING RECESSED			
F7	LUMENWERX VIA3 PERIMETER	PERIMETER SLOT	3500		1	0-10	10%		CEILING RECESSED			
G1	PURE EDGE SUN3	INGRADE INDIRECT	2700		1	0-10	10%		FLOOR RECESSED			
W1	PURE EDGE REVEAL	RECESSED INWALL INDIRECT	3500		1	0-10	10%		WALL RECESSED			
W2	STICKBULB RAY SCONCE	DECORATIVE SCONCE	3500		1	0-10	10%		WALL SURFACE			
W3	STICKBULB RAY SCONCE	DECORATIVE SCONCE	3500		1	0-10	10%		WALL SURFACE			
W4	SISTEMALUX MICROLOFT WALL	DECORATIVE SCONCE	2700		1	0-10	10%		WALL SURFACE			
WP1	BEGA 33 81#	EXT WALL LIGHT SMALL	4000		1	--	--		WALL SURFACE			
WP2	BEGA 24 21#	EXT WALL LIGHT LARGE			1	--	--		WALL SURFACE			
S1	LITHONIA CSS	4' LENSED STRIP			1	0-10	10%		VARIABLE			
D1	GOTHAM EVO2	2" DOWNLIGHT NC HOUSING	3500		1	0-10	10%		CEILING RECESSED			
D2	GOTHAM EVO2	2" DOWNLIGHT REMODEL HOUSING	3500		1	0-10	10%		CEILING RECESSED			
D3	GOTHAM EVO4	4" DOWNLIGHT	3500		1	0-10	10%		CEILING RECESSED			
UC	SSL UNDERLINE XL	24" UC	3500		1	--	--		UNDERCAB SURFACE			
X1	LITHONIA LQM	EXIT SIGN SINGLE FACE	--		1	--	--		VARIABLE			
X2	LITHONIA LQM	EXIT SIGN DUAL FACE	--		1	--	--		VARIABLE			
SL1	LITHONIA D SERIES	POLE MOUNTED AREA SITE, T5	4000		1	--	--		POLE/BASE			
SL2	LITHONIA D SERIES	POLE MOUNTED AREA SITE, T3	4000		1	--	--		POLE/BASE			
SL3	LITHONIA D SERIES	POLE MOUNTED AREA SITE, T5	4000		1	--	--		POLE/BASE			
SL4	LITHONIA D SERIES	POLE MOUNTED AREA SITE, T3	4000		1	--	--		POLE/BASE			
SL5	LITHONIA D SERIES	POLE MOUNTED AREA SITE, 2T3	4000		1	--	--		POLE/BASE			
SL6	LANDSCAPE FORMS ALCOTT	POLE MOUNTED PED. SITE, T5	4000		1	--	--		POLE/BASE			
SL7	LANDSCAPE FORMS ALCOTT	POLE MOUNTED PED. SITE, T3	4000		1	--	--		POLE/BASE			
BL1	LANDSCAPE FORMS HAWTHORNE	BOLLARD TYPE 3	4000		1	--	--		POLE/BASE			

KEY:
 3W =Three Wire Dimming
 0-10 =0-10V Dimmed
 DA =Digital Addressable
 ND =Non-Dimmed
 SD =Step Dimmed
 DMX =DMX Enabled

GENERAL NOTES:
 a. Refer to specification 265000 for additional requirements.
 b. Provide a minimum 5 year warranty on all LED products 20W and greater.
 c. Equivalent manufacturers listed shall meet performance requirements of the base fixture specified. Equivalents shall not consume more than 10% in wattage or be less than 5% in lumens.
 d. Coordinate with Architectural ceiling plans for ceiling types prior to submittal process. Verify planned ceiling types coordinate with specified fixtures.
 e. Coordinate fixtures located in non-accessible ceilings are accessible from below through the fixture, prior to submittal process.
 f. Coordinate driver type with the lighting control system, prior to submittal process.

SPECIFIC NOTES:
 1. Provide with integral battery pack.
 2. Provide and install lengths per plans. Provide adjustable aircraft cable with straight cord feeds. Fixtures shall be mounted at +FF-n" A.F.F. Coordinate with architectural plans for ceiling type(s) prior to ordering hanging hardware. Each row of fixtures shall have only one feed point with circuit run being fed through fixture housing.



PROJECT TITLE: CITY OF SUN PRAIRIE
 SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

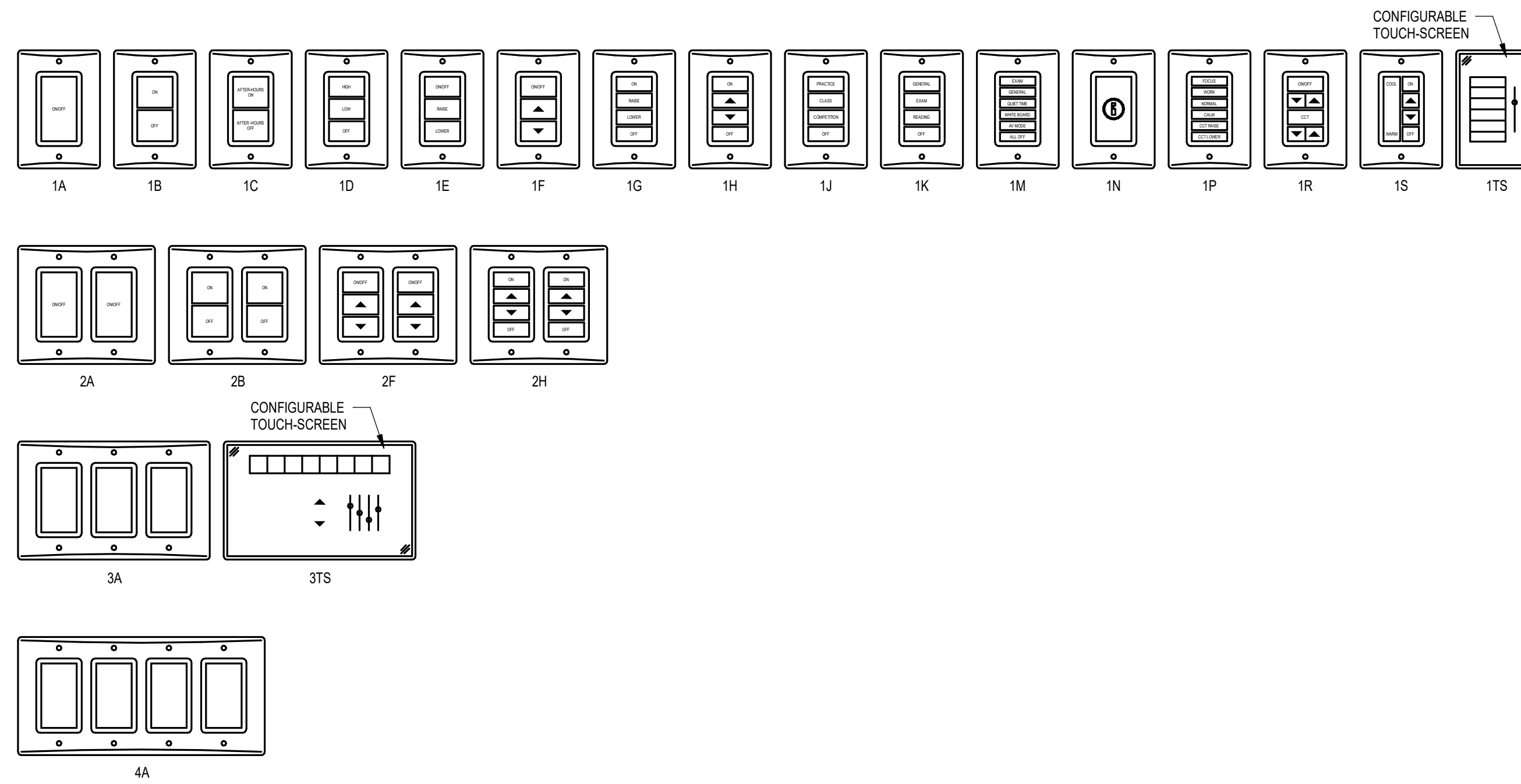
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PROJECT NUMBER: 2023402

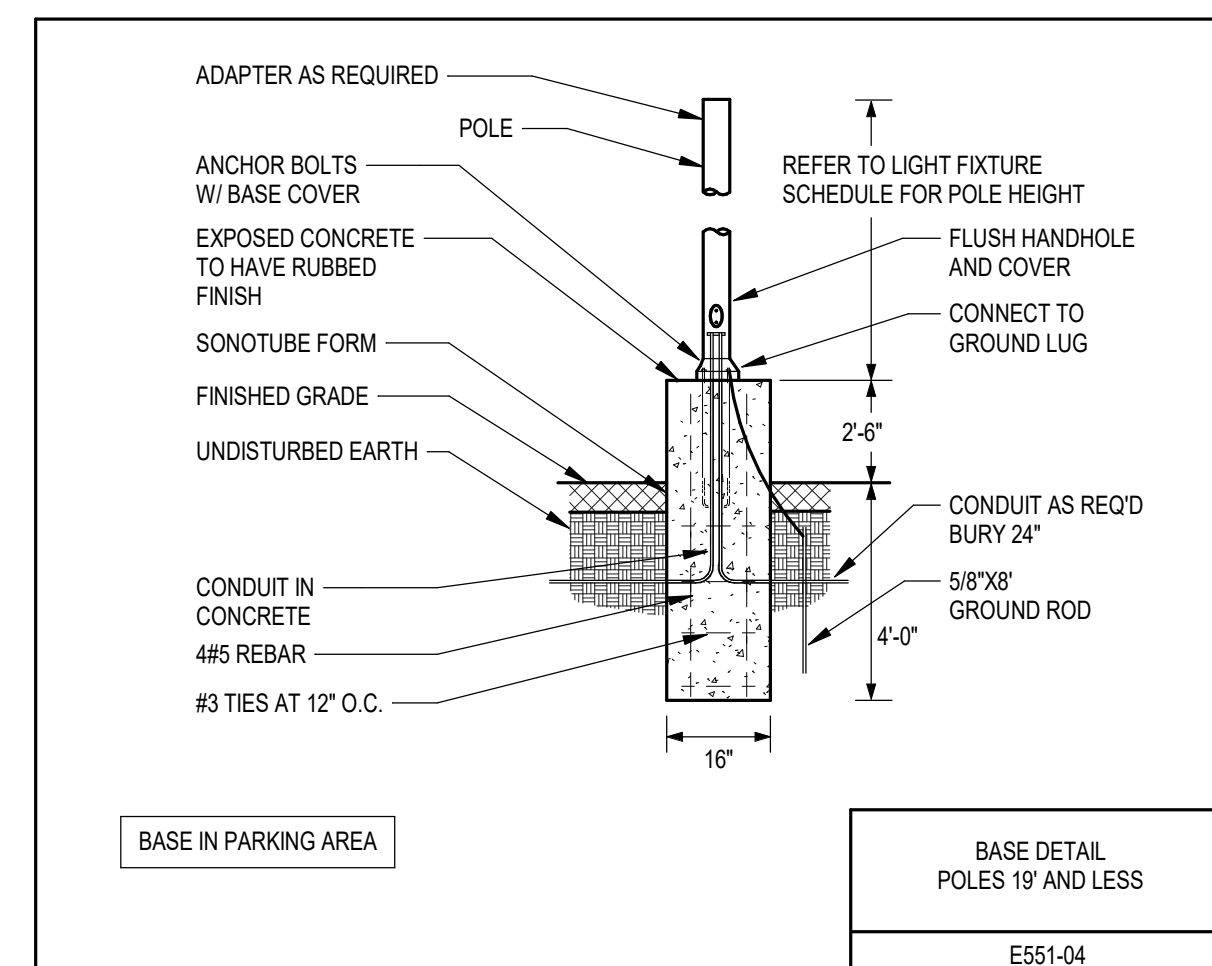
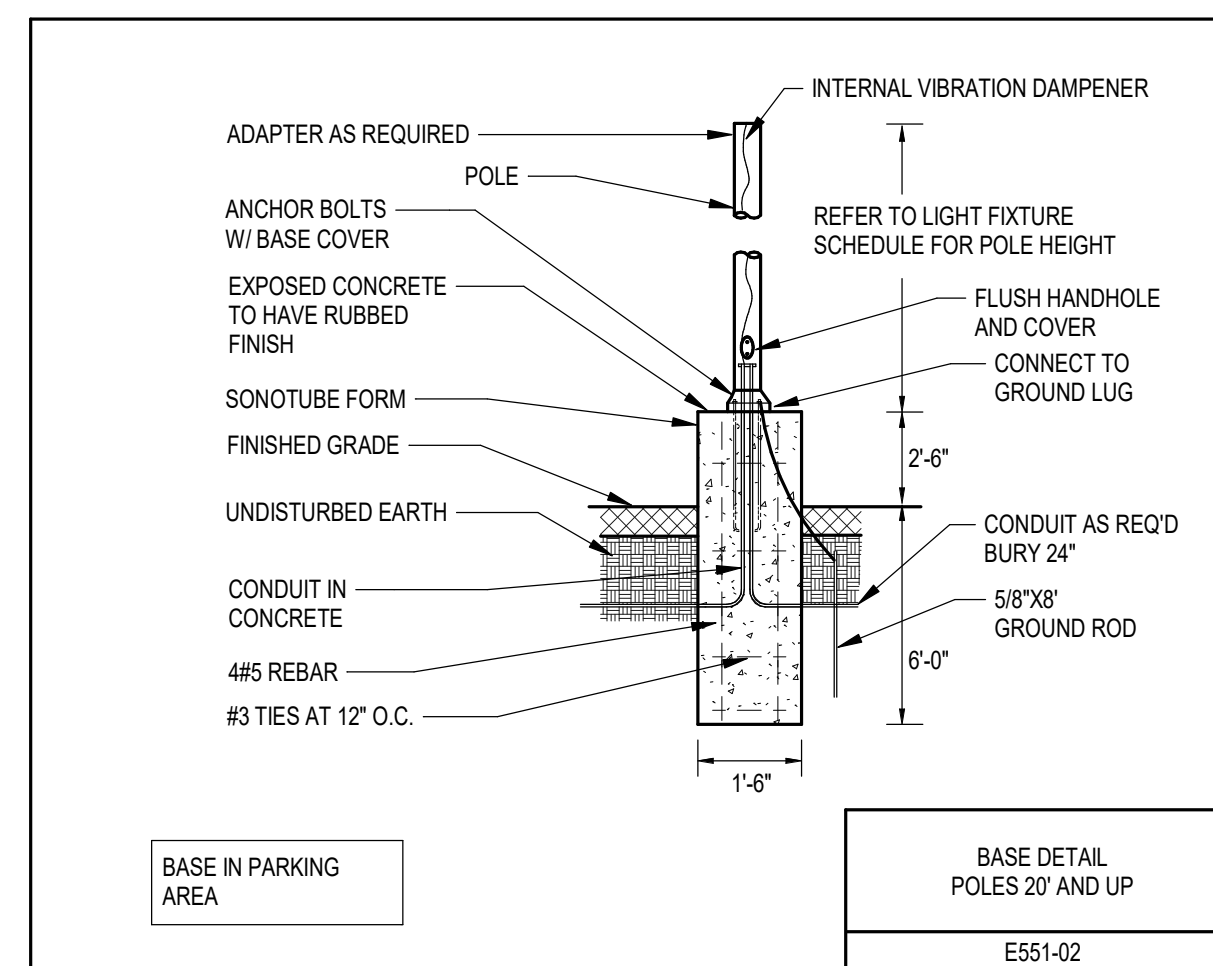
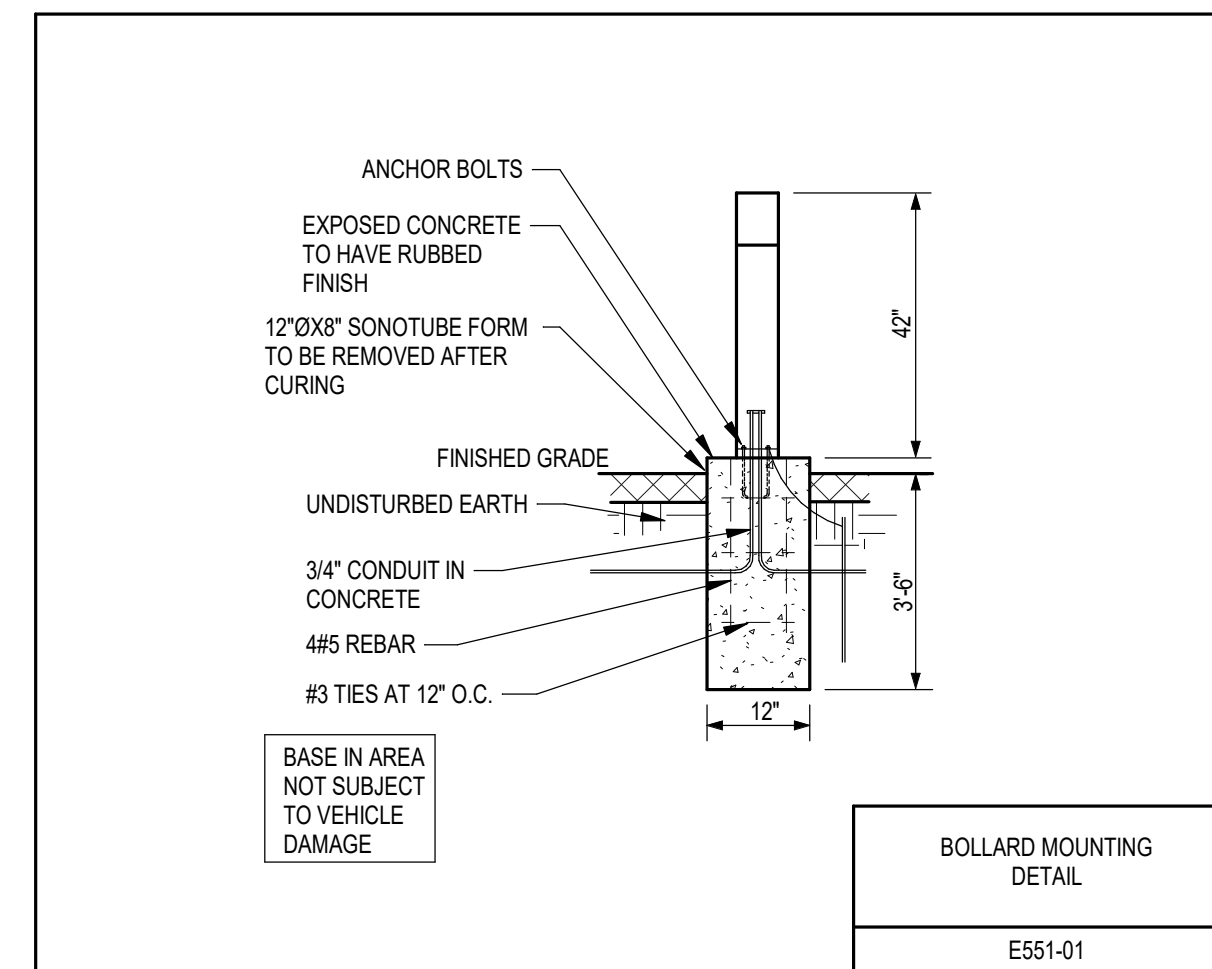
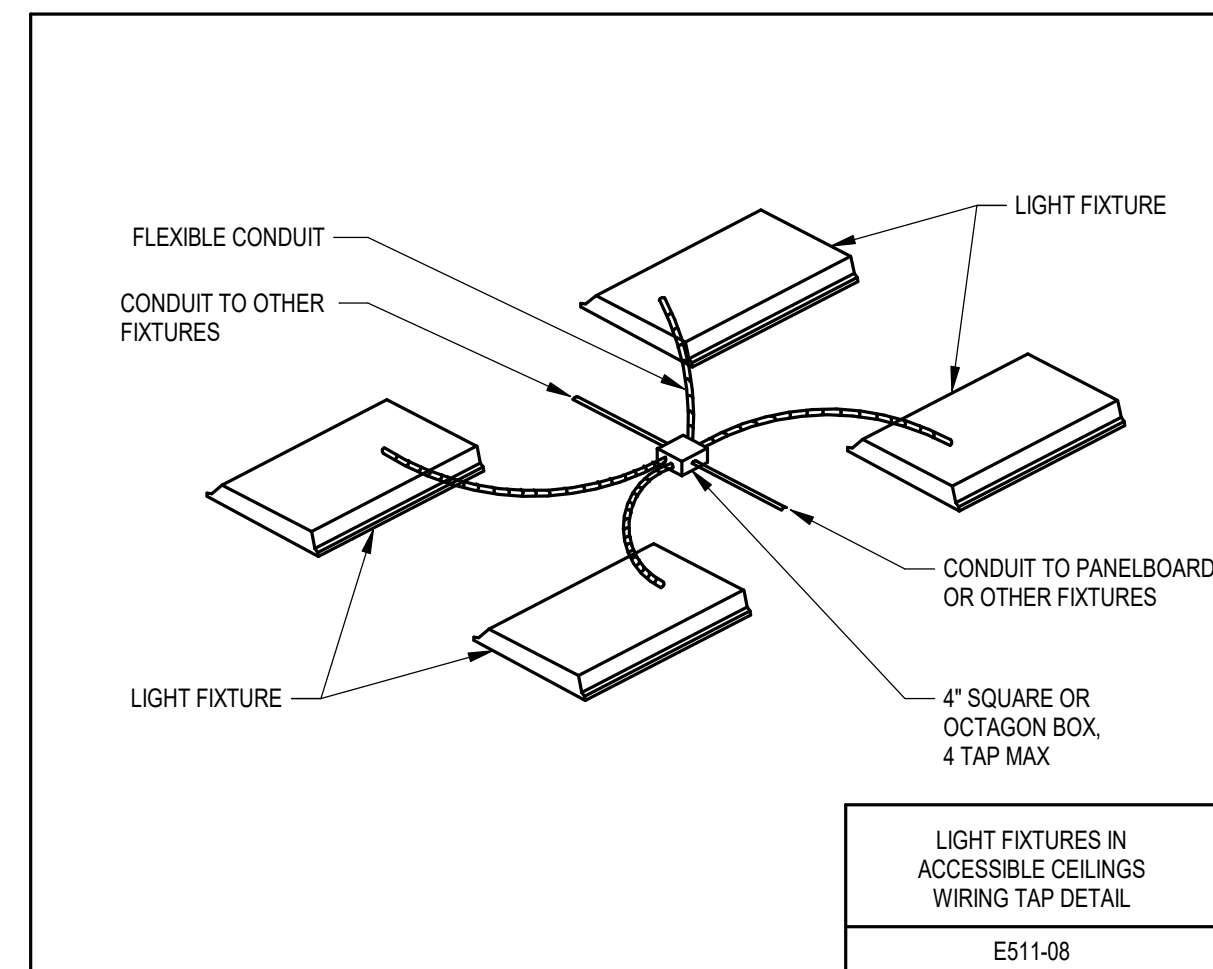
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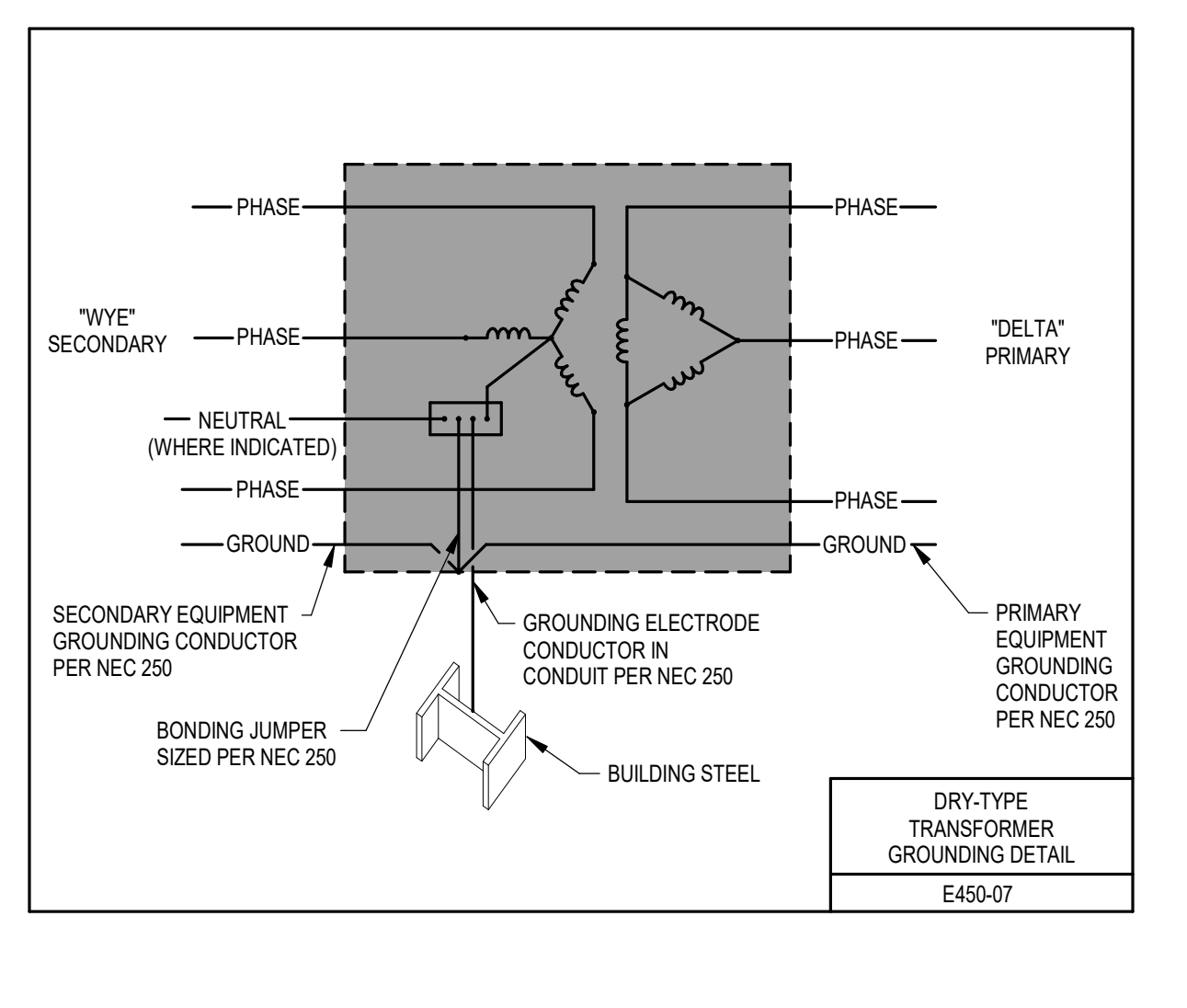
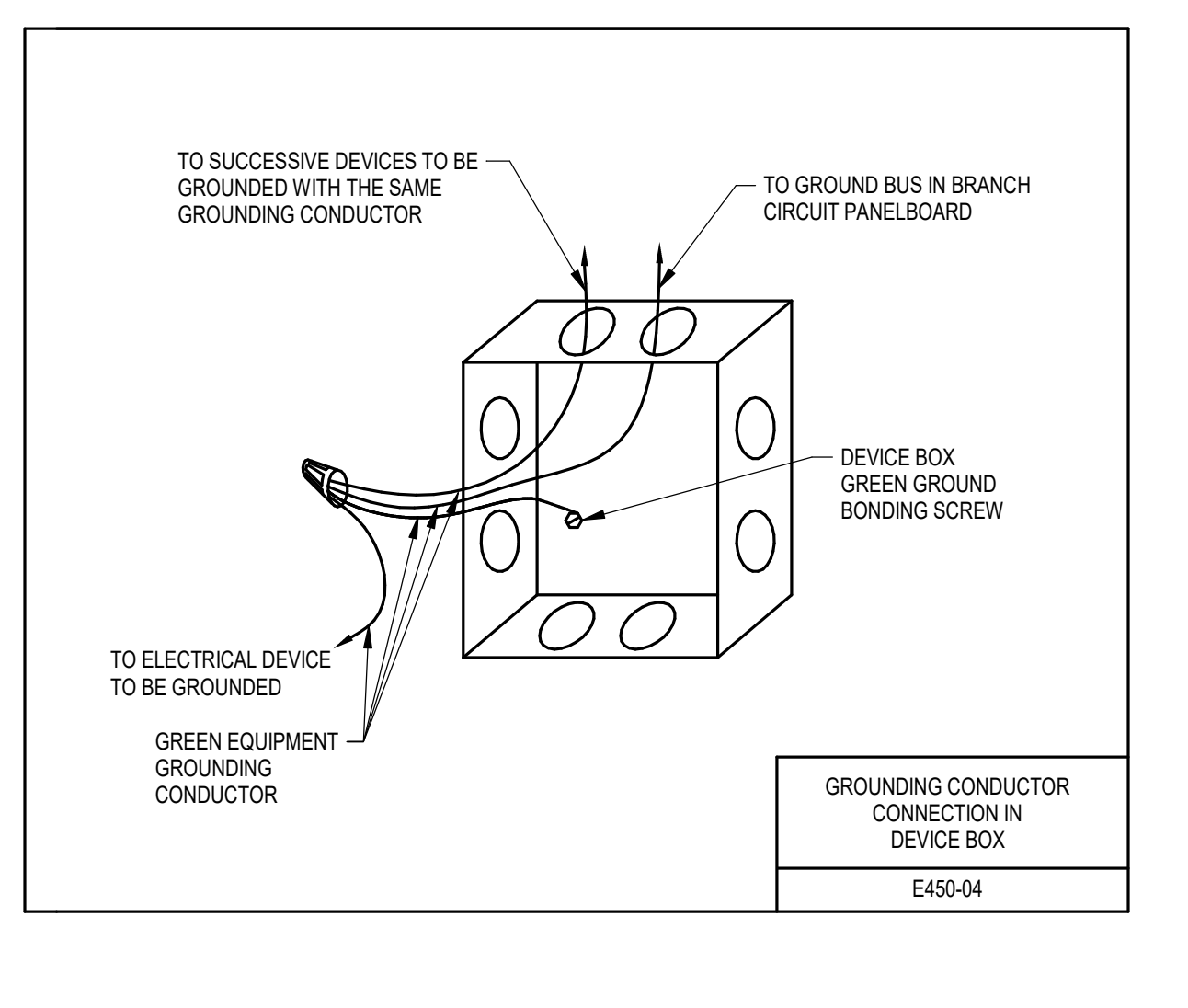
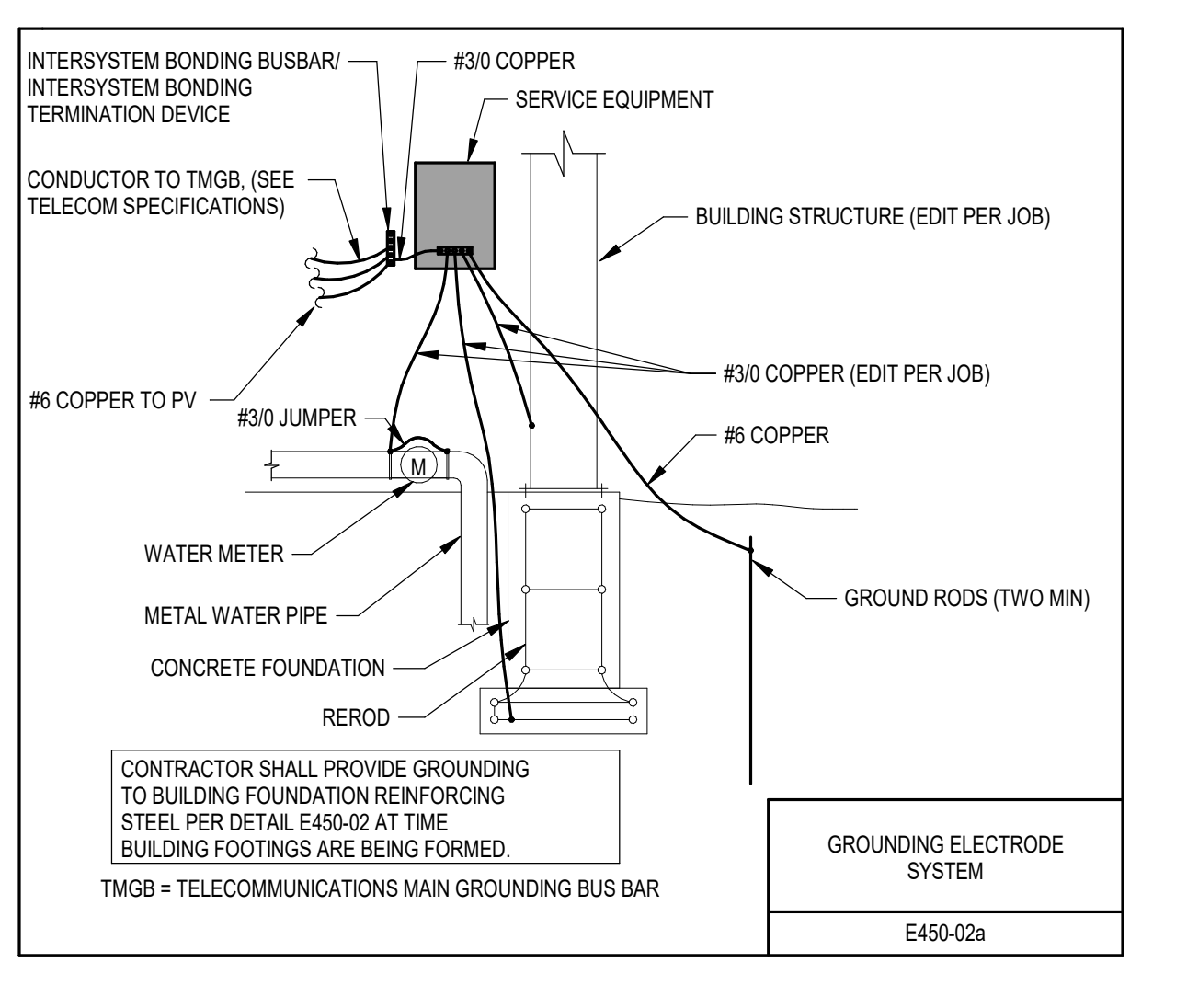
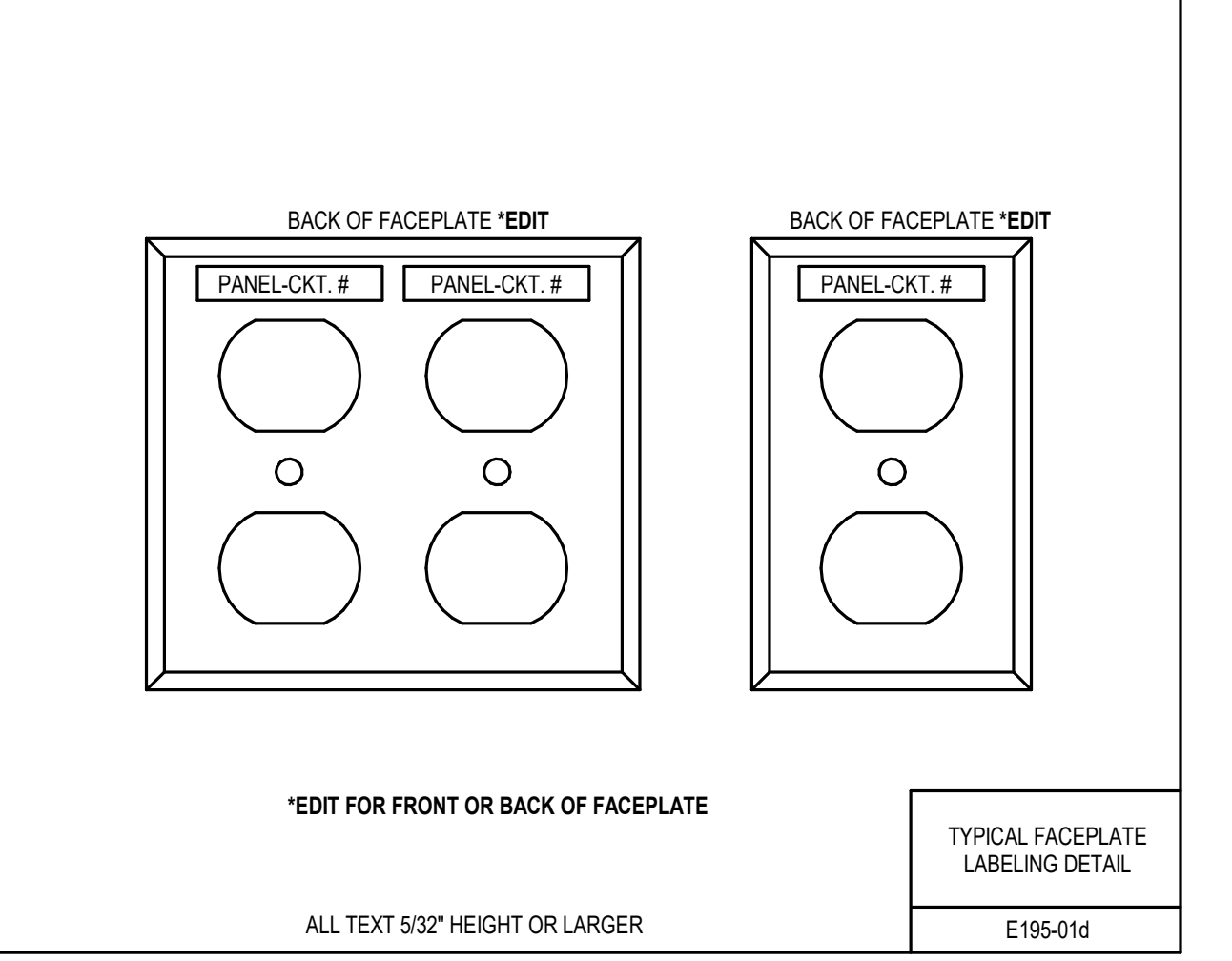
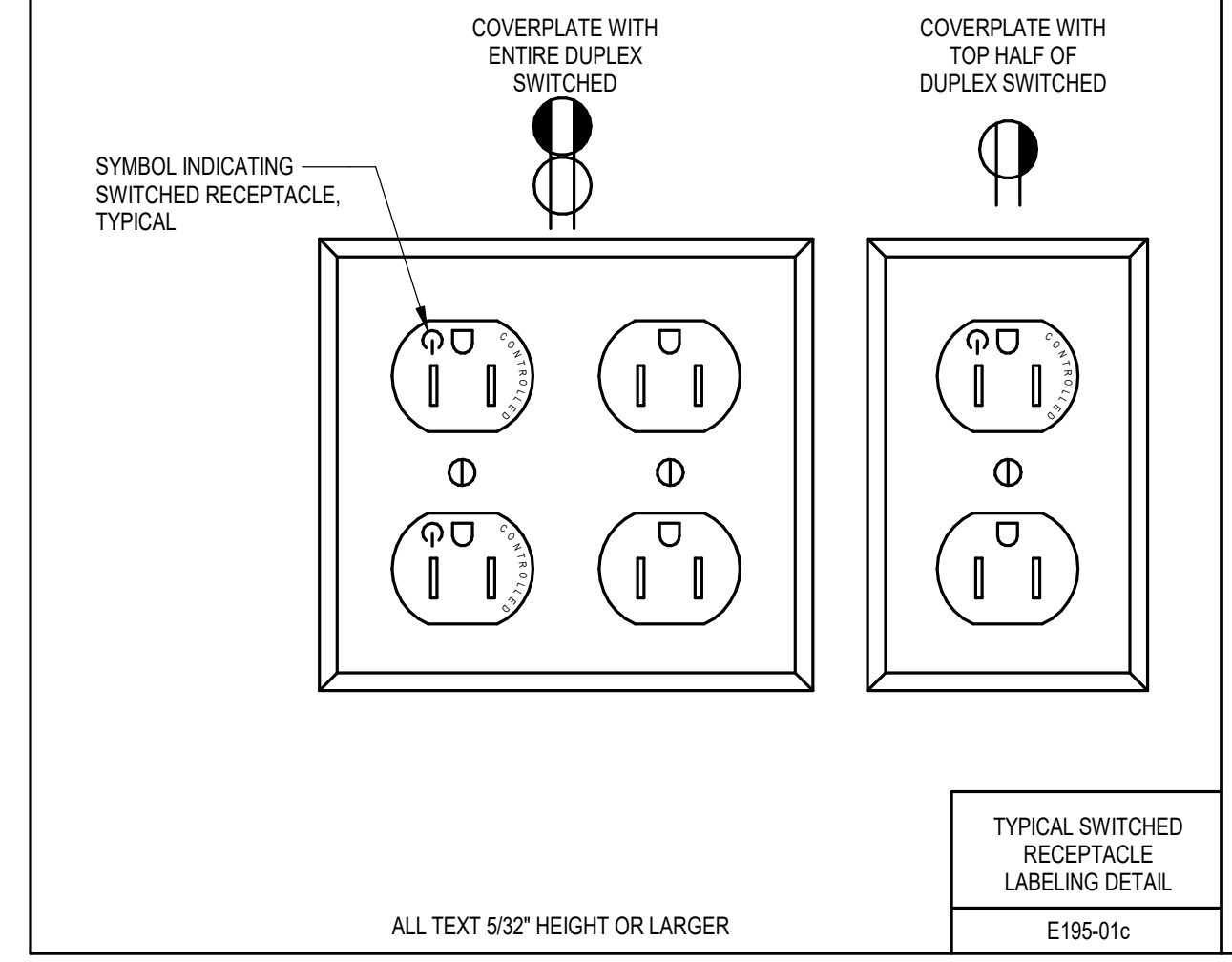
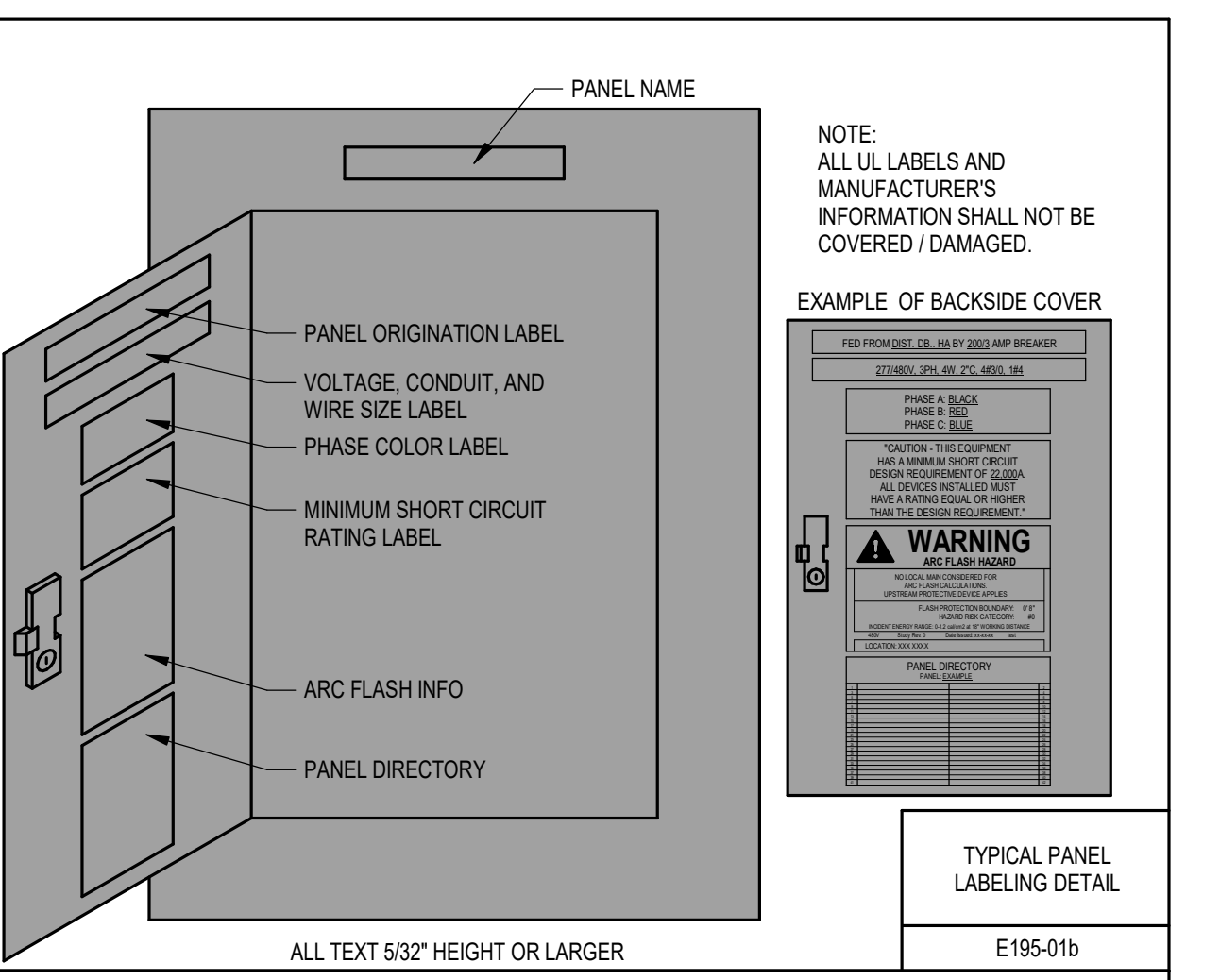
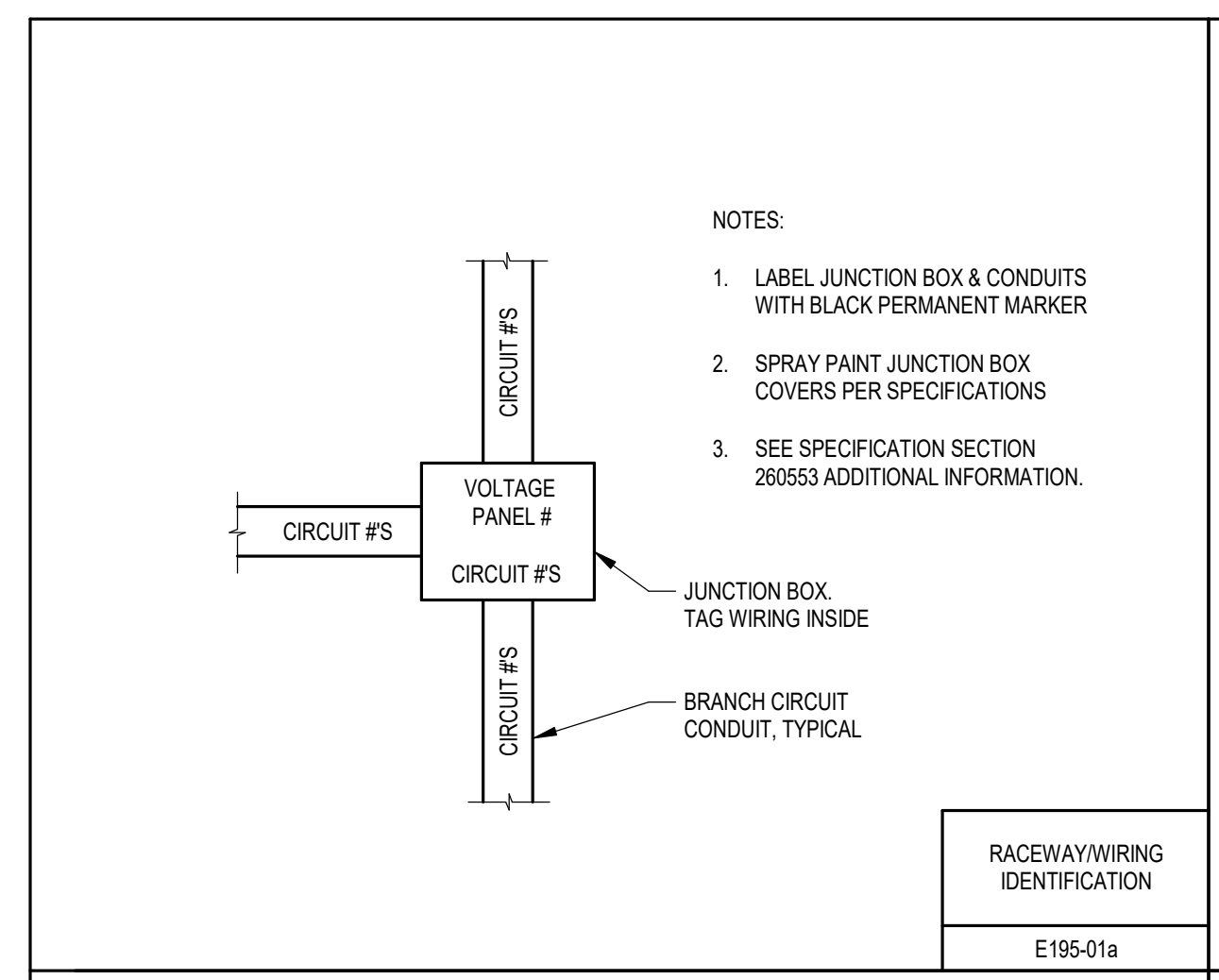
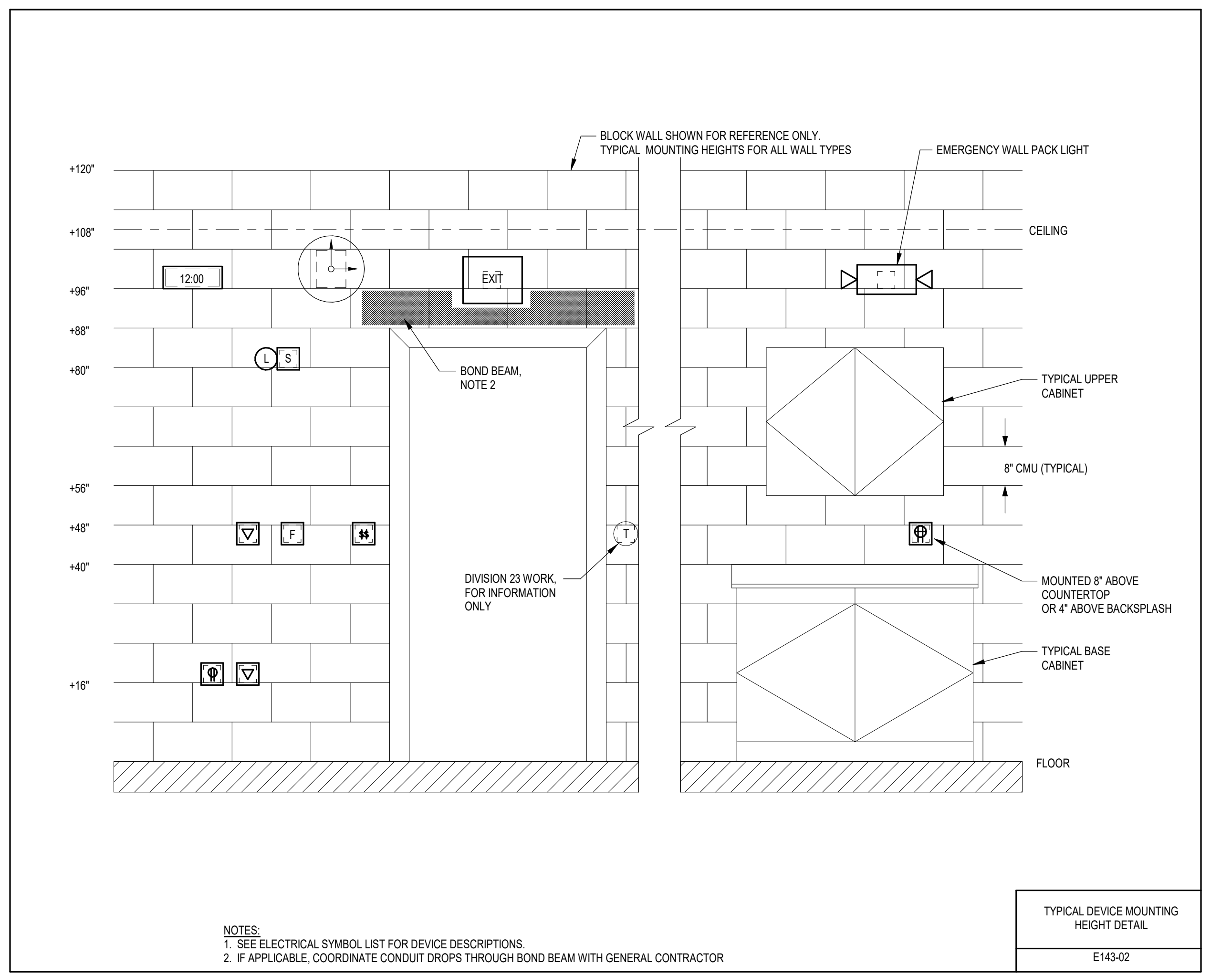
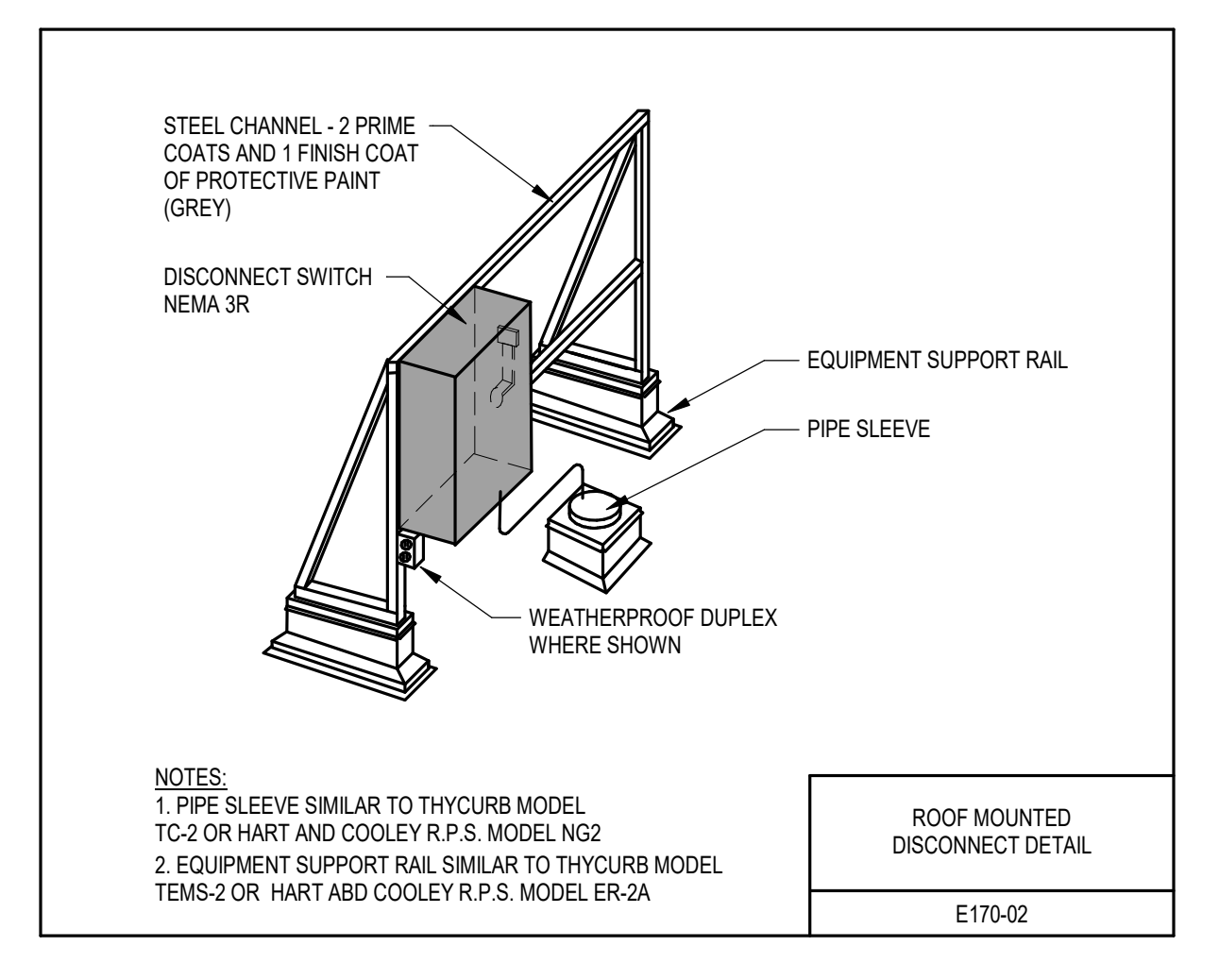
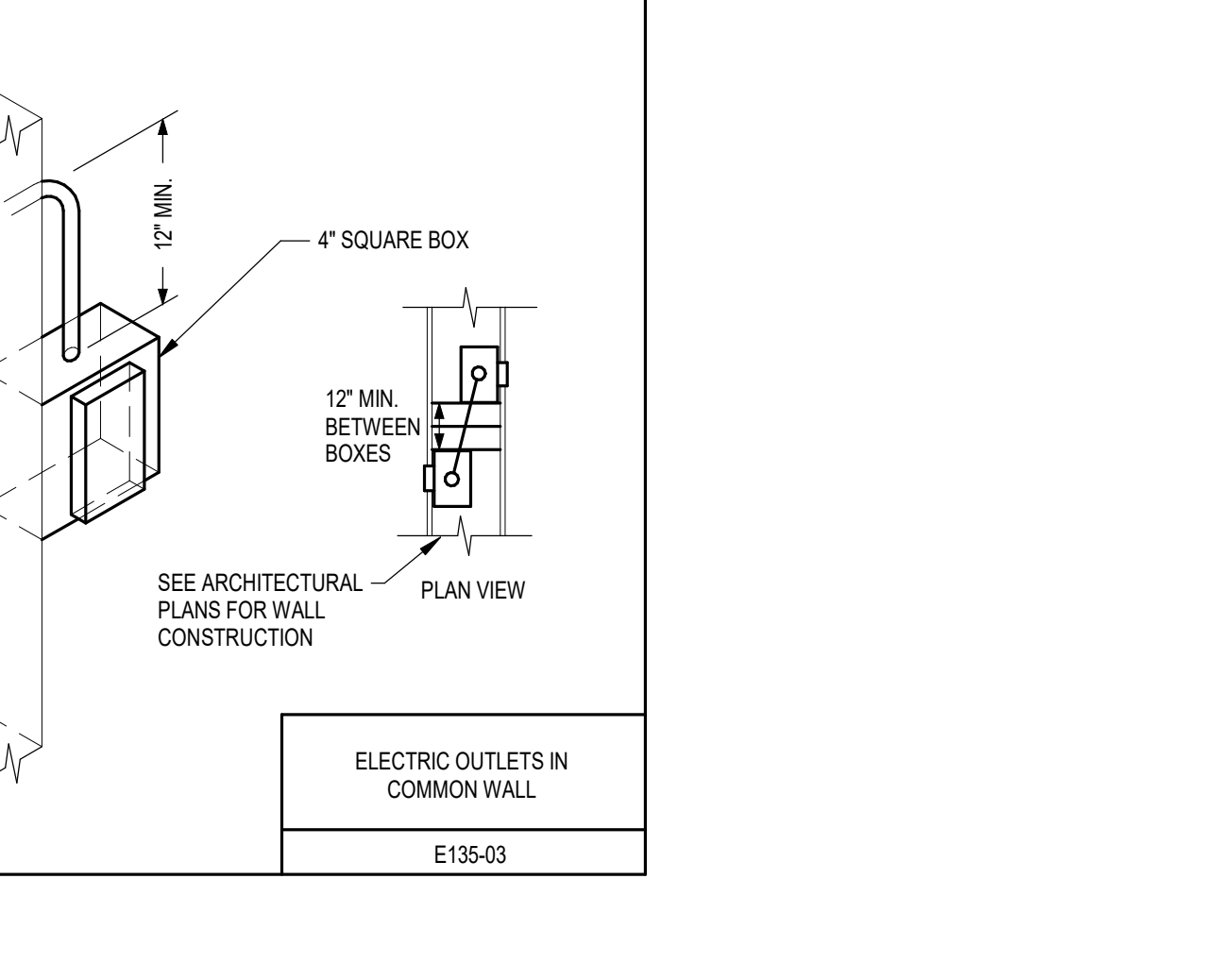
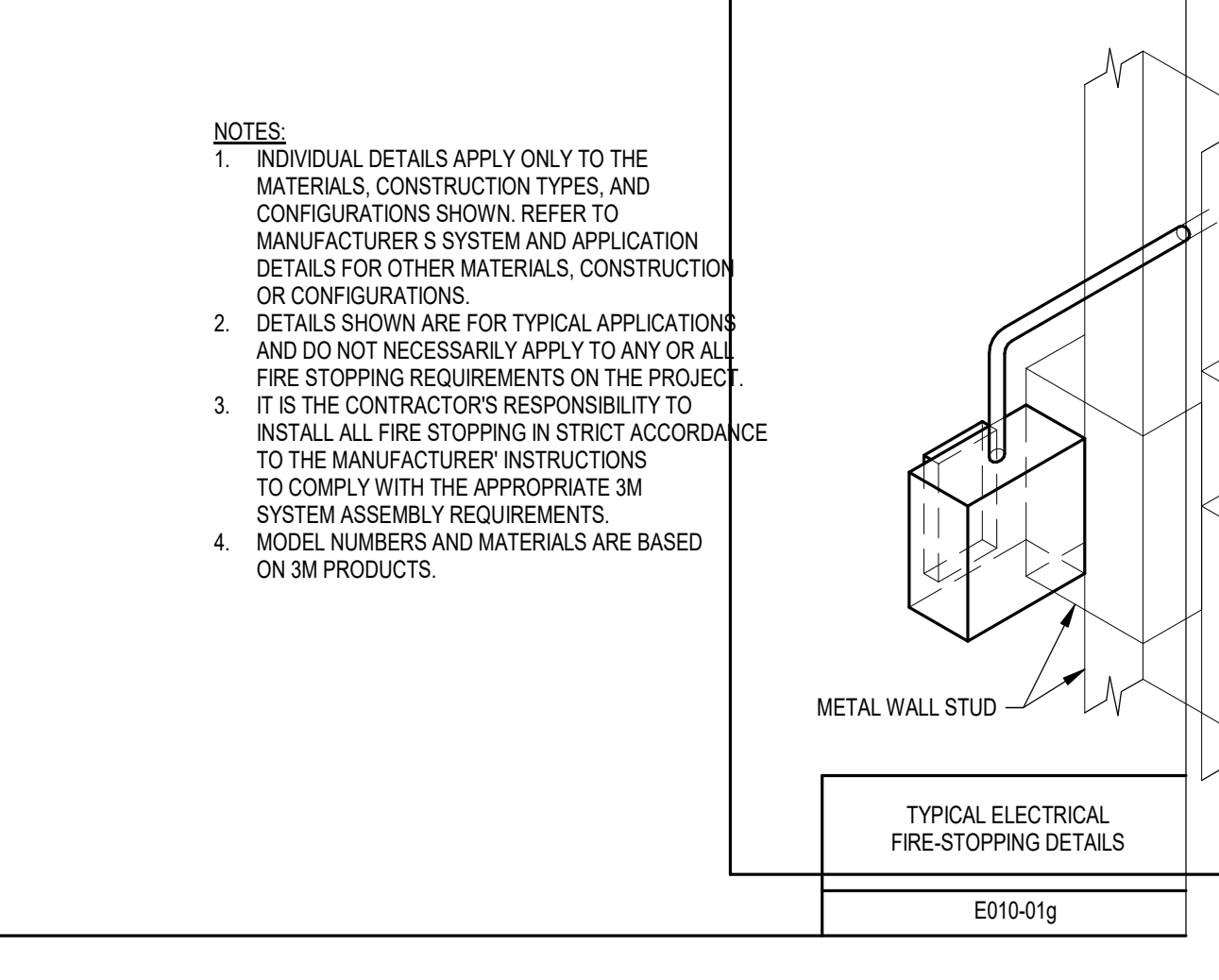
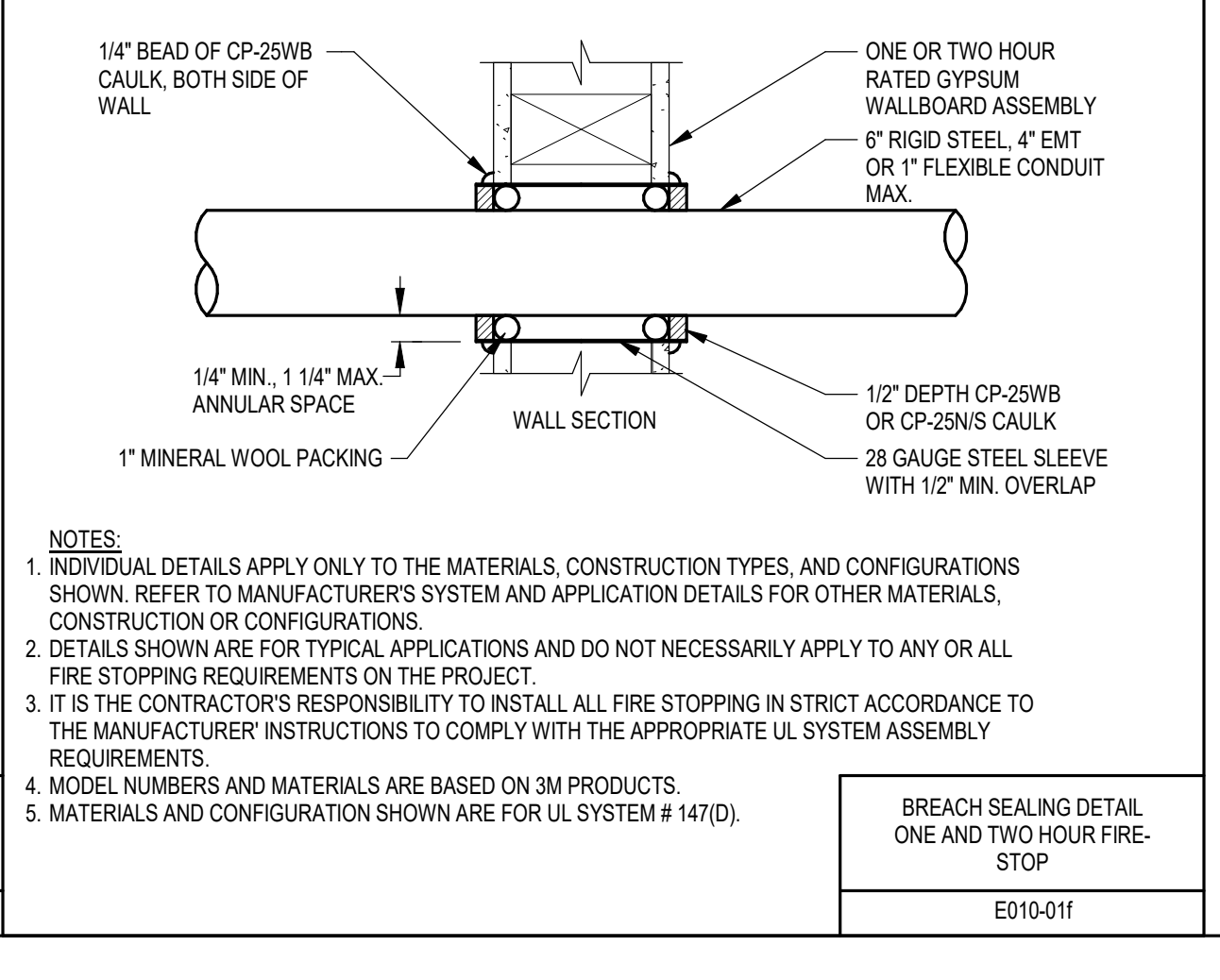
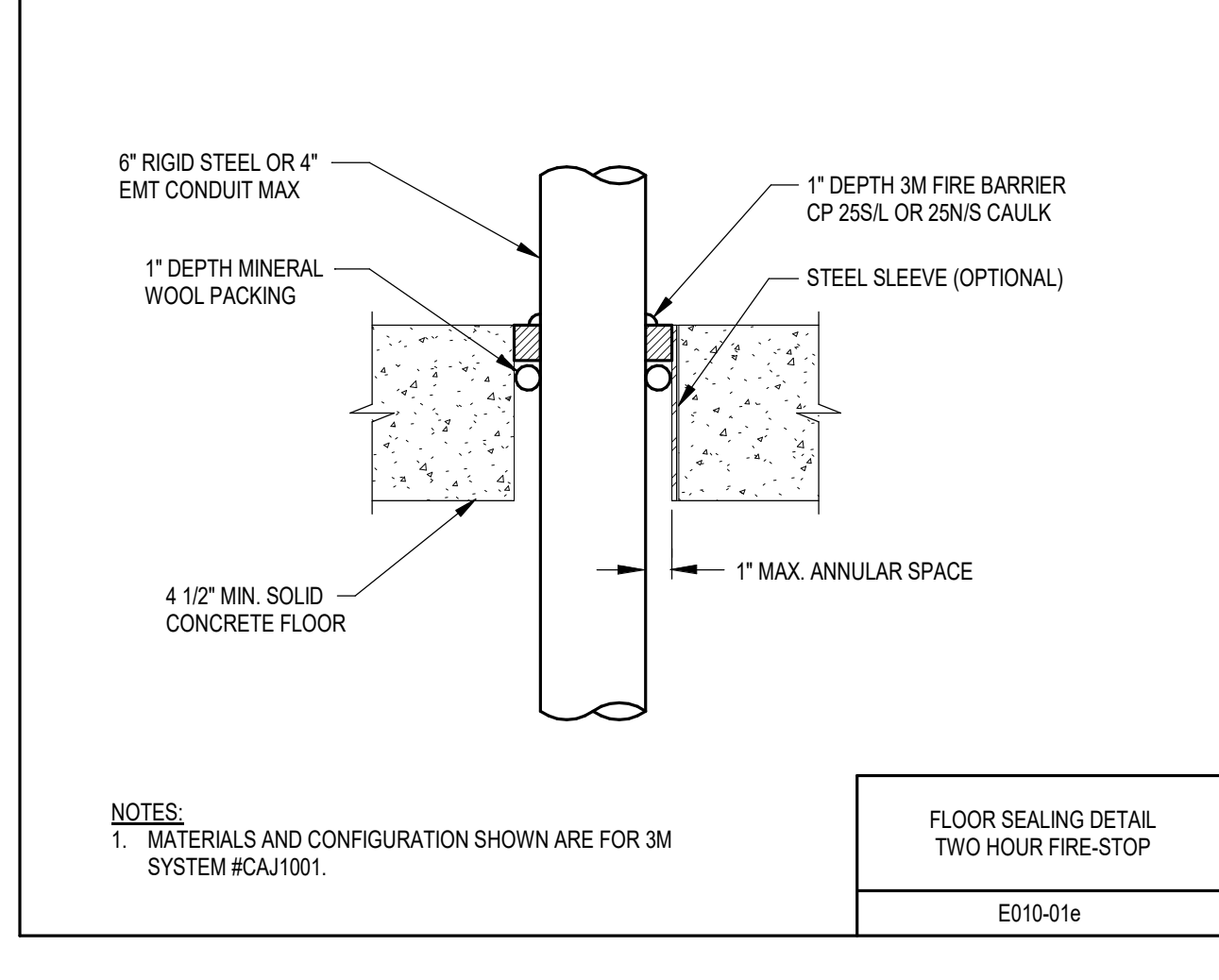
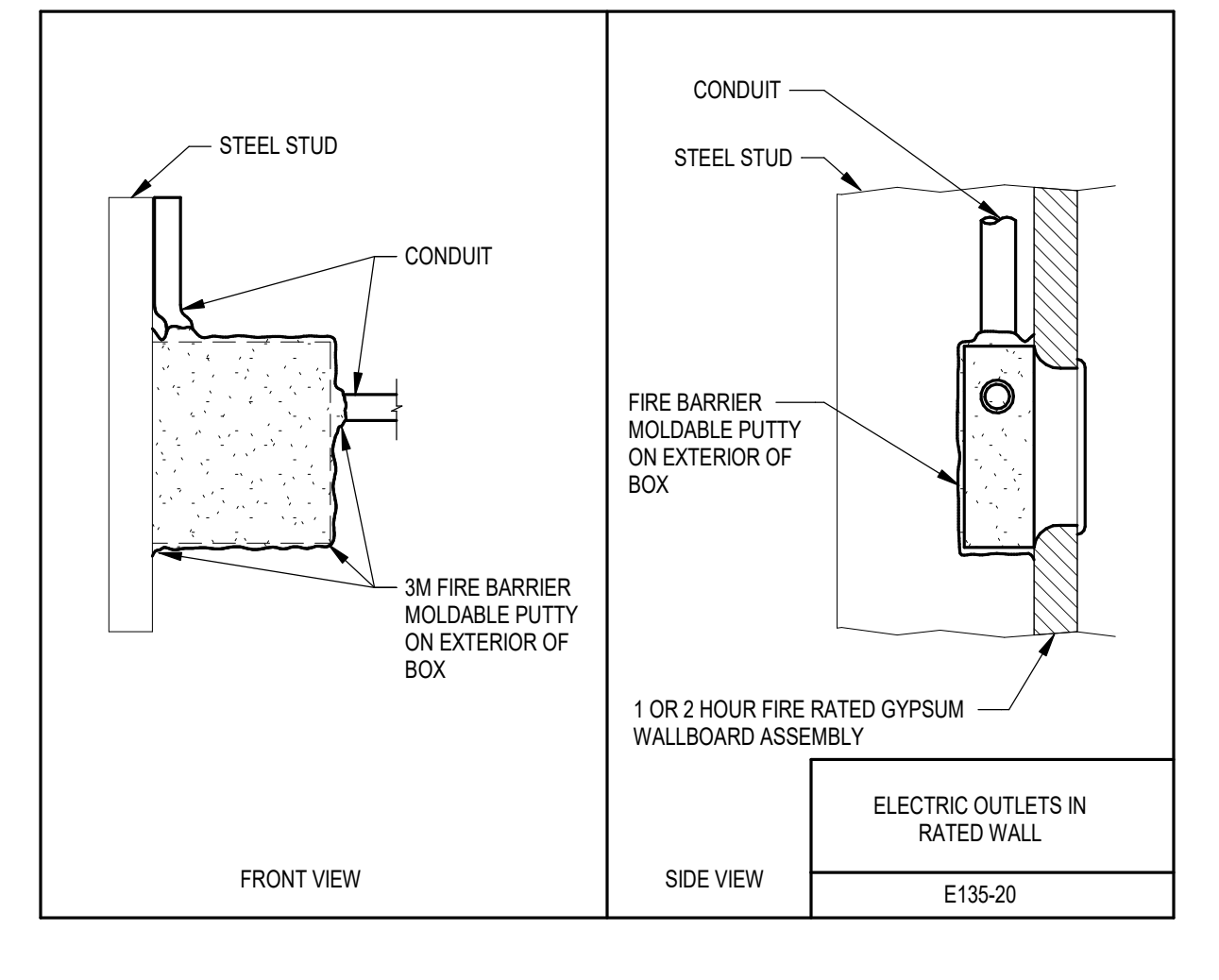
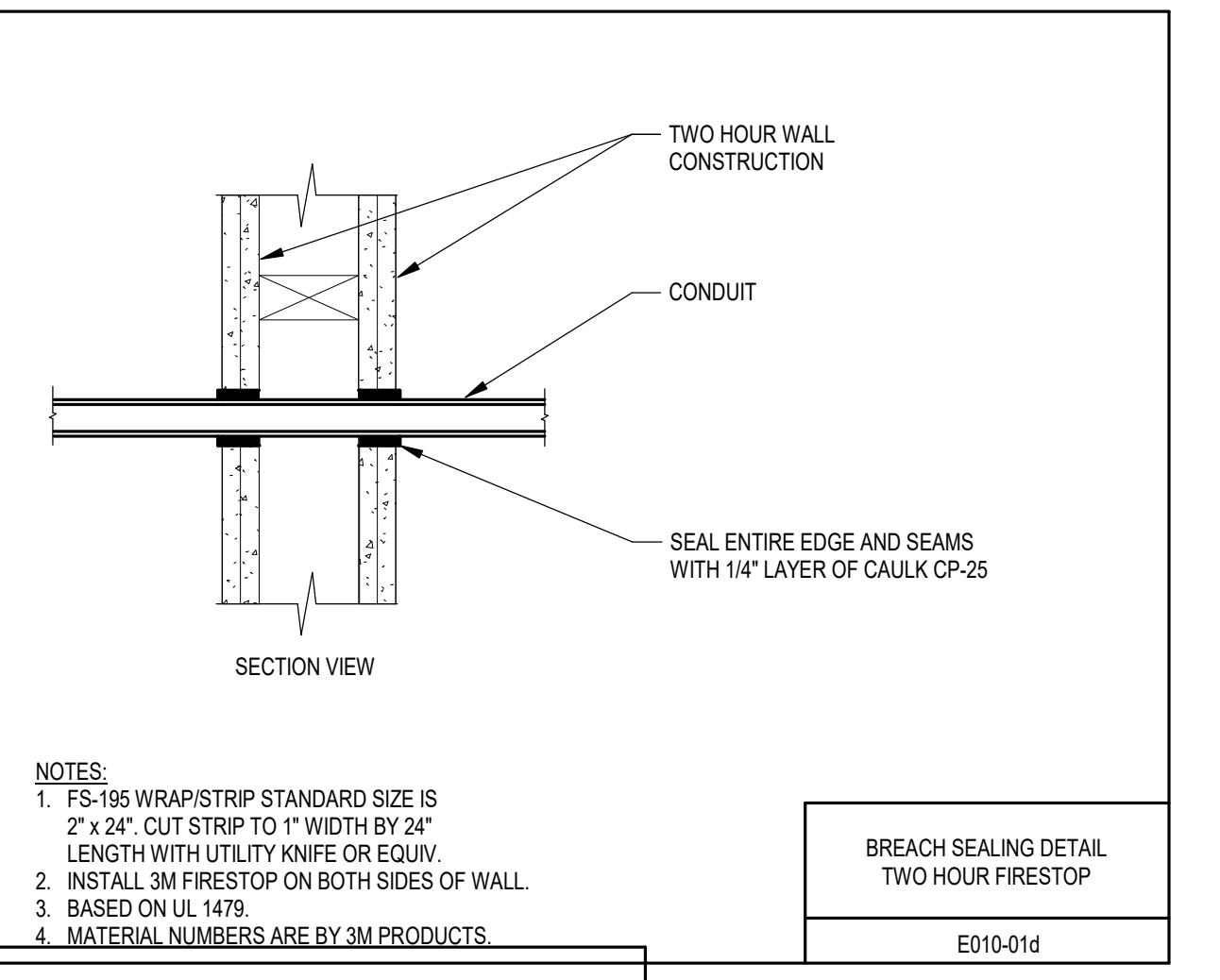
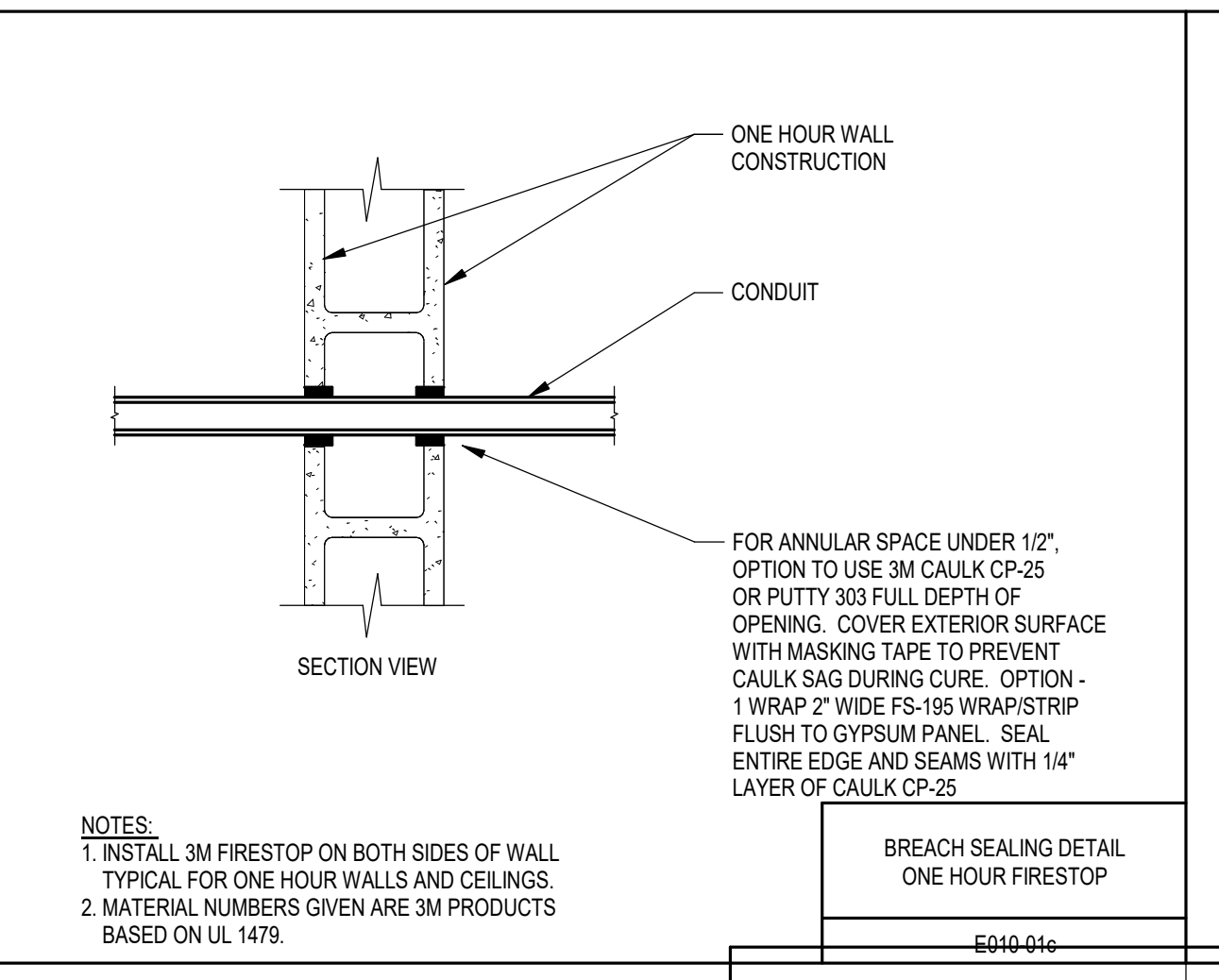
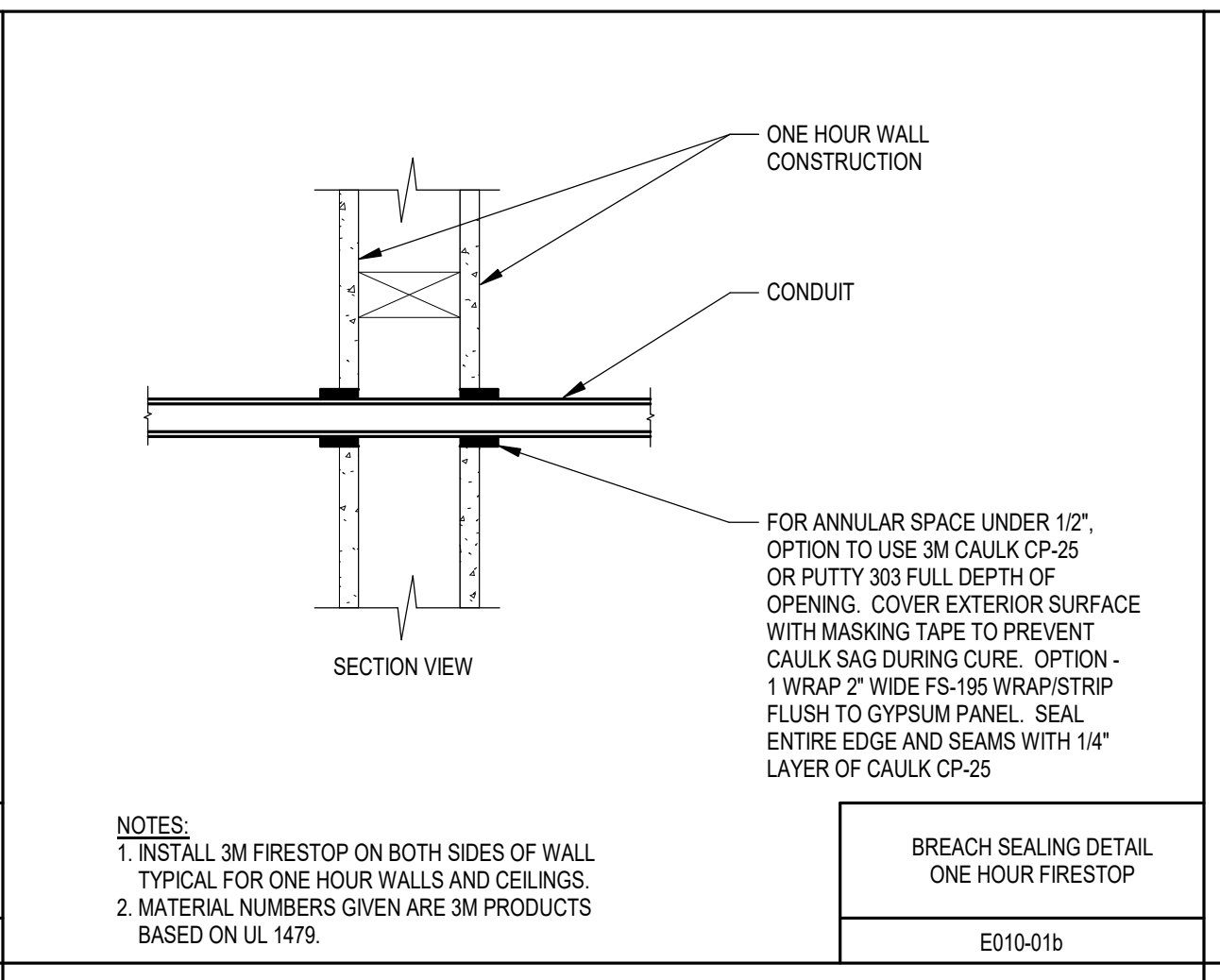
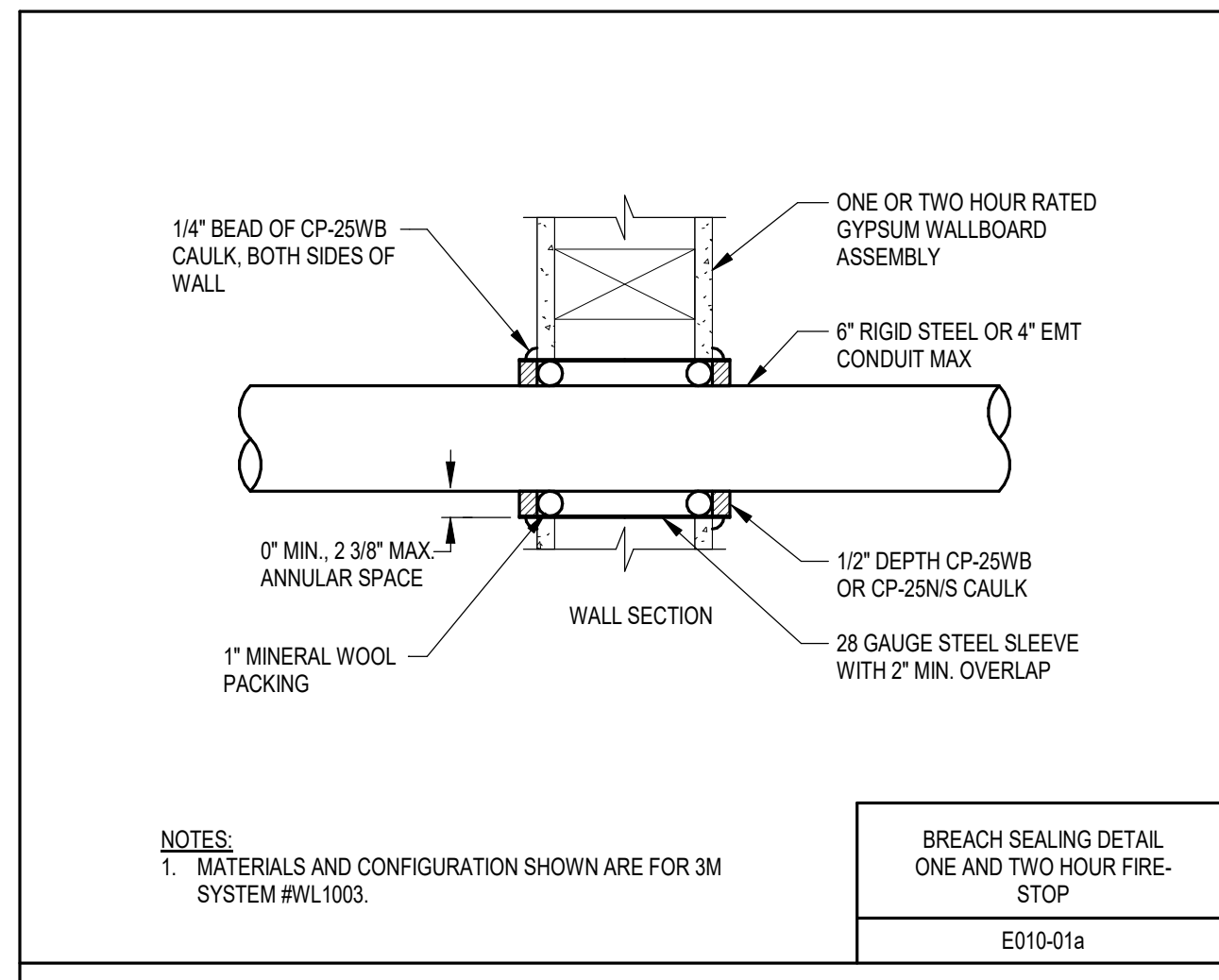
PROJECT NUMBER: 2023402
 SHEET: E5.2



- LIGHTING CONTROL DEVICE STANDARD NOTES**
1. PROVIDE LIGHTING CONTROL STATION WITH CONTROL BUTTONS NOTED.
 2. PROVIDE ENGRAVING/SCREEN PRINTING AS NOTED.



PRELIMINARY
 NOT FOR CONSTRUCTION



PRELIMINARY
 NOT FOR CONSTRUCTION

ELECTRICAL ABBREVIATIONS
(NOTE: ALL ABBREVIATIONS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)

Table of electrical abbreviations including symbols and descriptions for items like NEMA 3R ENCLOSURE, AMPERES, CIRCUIT BREAKER, CONDUIT, DISTRIBUTION BOARD, etc.

FIRE ALARM SYMBOLS
(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)

Table of fire alarm symbols including symbols and descriptions for items like MANUAL PULL STATION, SMOKE DETECTOR, THERMAL DETECTOR, etc.

ELECTRICAL SYMBOLS
(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)

Table of electrical symbols including symbols and descriptions for items like LIGHTING FIXTURES, RACEWAYS, EQUIPMENT, etc.

WIRING DEVICES

Table of wiring devices including symbols and descriptions for items like GROUND FAULT INTERRUPTER, TAMPERS, SWITCHES, etc.

SCHEMATIC RISER DIAGRAM

Table of schematic riser diagram symbols including symbols and descriptions for items like DRAWOUT AIR CIRCUIT BREAKER, FLOW SWITCH, etc.

GENERAL ELECTRICAL DEMOLITION NOTES:

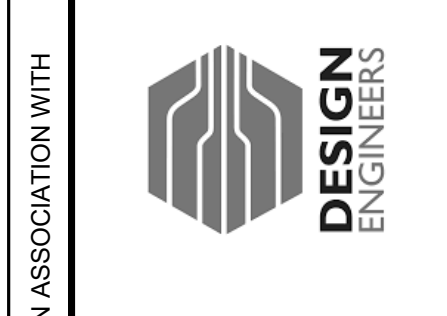
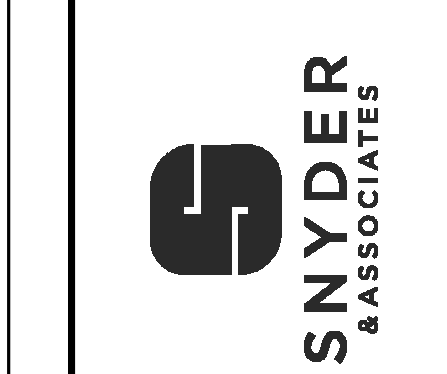
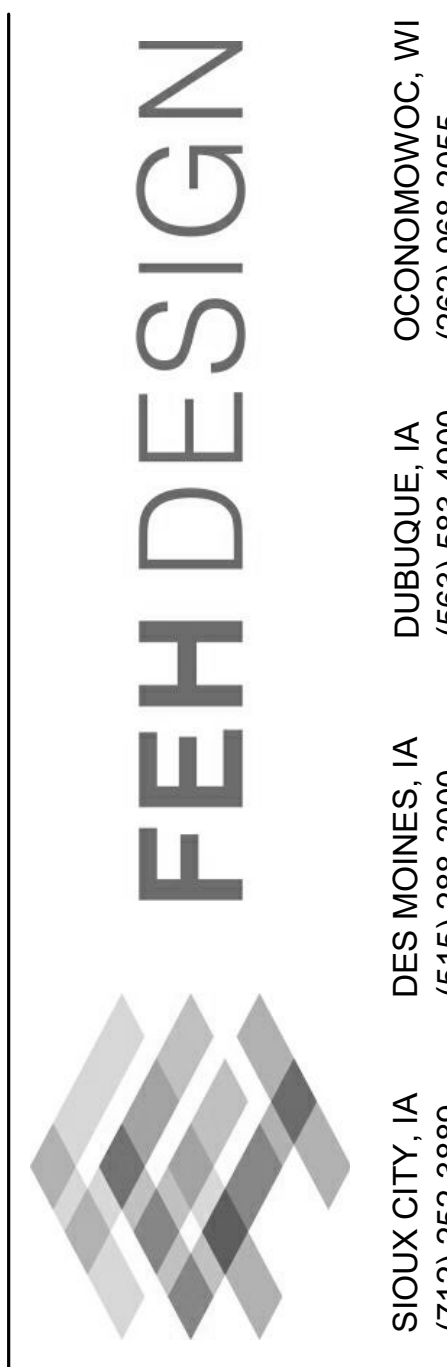
- 1. UNLESS NOTED OTHERWISE ALL ITEMS TO BE REMOVED AND DISPOSED OF BY CONTRACTOR. SEE DEMOLITION KEY. THE OWNER MAY ELECT TO SALVAGE SELECT ELECTRICAL SYSTEM COMPONENTS. COORDINATE WITH OWNER PRIOR TO DISPOSAL OF EQUIPMENT.
- 2. WHERE ELECTRICAL EQUIPMENT, WIRING DEVICES, OR COMMUNICATIONS DEVICES ARE NOTED TO BE REMOVED, DEMO CONDUIT AND WIRE BACK TO SOURCE OR NEAREST ACTIVE JUNCTION BOX. WHERE CONDUITS PENETRATE CMU OR CAST-IN-PLACE CONCRETE, CUT CONDUIT FLUSH WITH WALL OR FLOOR. PATCH ALL WALL AND FLOOR PENETRATIONS TO MATCH EXISTING SURFACE. UNDER CONDUIT CIRCUMSTANCES SHALL ABANDONED CONDUIT, WIRE, OR ELECTRICAL EQUIPMENT REMAIN AT THE COMPLETION OF CONSTRUCTION.

GENERAL ELECTRICAL NOTES:

- 1. BELOW IS A LIST OF COMMON REQUIREMENTS OUTLINED IN THE PROJECT MANUAL. REFER TO THE PROJECT MANUAL AND STANDARD DETAILS FOR MORE DETAILED INFORMATION FOR THESE ITEMS AND FOR ALL OTHER MATERIALS AND CONSTRUCTION METHODS REQUIRED.
- 2. COORDINATE LIGHT FIXTURE LOCATIONS WITH MECHANICAL EQUIPMENT AND PIPING.
- 3. COORDINATE DEVICE LOCATIONS AND HEIGHTS WITH ARCHITECTURAL ELEVATIONS AND DETAILS PRIOR TO ROUGH-IN.
- 4. PENETRATIONS FOR ALL CONDUITS PASSING THROUGH FIRE AND SMOKE RATED WALLS AND FLOORS SHALL BE PROVIDED WITH PRECASTING TO MAINTAIN THE FIRE RATING. USE OTHER 3M (OR EQUAL) UL-LISTED PRODUCTS AS APPLICABLE FOR SPECIFIC INSTALLATIONS.

GENERAL FIRE ALARM NOTES:

- 1. SYSTEM BASED ON SIMPLEX.
- 2. PROVIDE ALL PROGRAMMING FOR A COMPLETE AND OPERATIONAL SYSTEM. VERIFY ALL ROOM NUMBERS AND NAMES WITH OWNER PRIOR TO PROGRAMMING.
- 3. INSTALL ALL SURFACE MOUNT FIRE ALARM DEVICES WITH WIREMOLD V700 SERIES.
- 4. PROVIDE FIRE ALARM DOCUMENTATION CABINET IN ACCORDANCE WITH NFPA-72-2013 7.7. CABINET TO BE LABELED "SYSTEM RECORD DOCUMENTS". SPACE AGE SYSTEMS SDJ-ACE-11 OR EQUAL. ALL SYSTEM DOCUMENTATION IS TO BE IN CABINET PRIOR TO SYSTEM ACCEPTANCE.



ELECTRICAL NOTES AND SYMBOLS

**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**

E5.5

CITY OF SUN PRAIRIE
PROJECT TITLE
SHEET TITLE

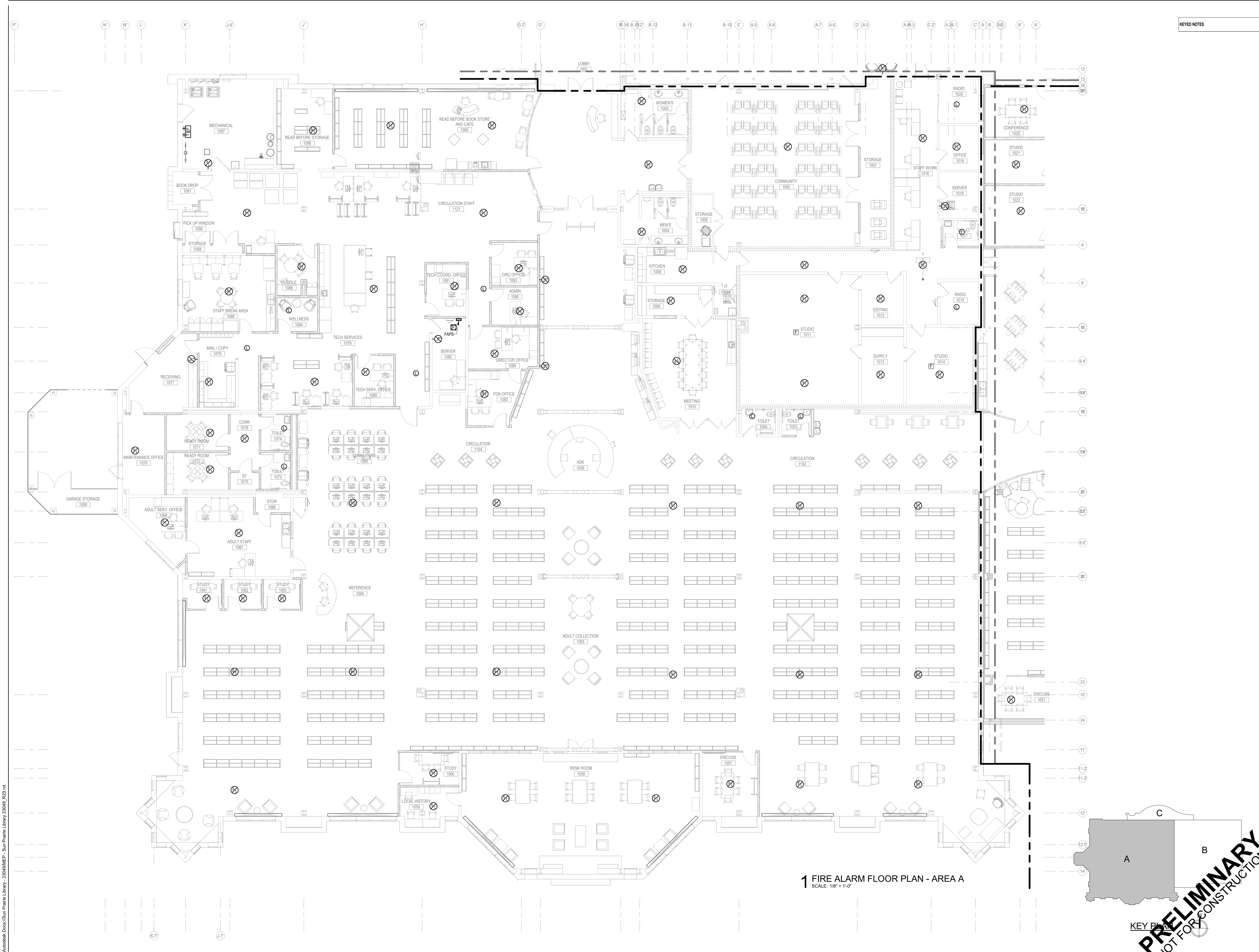
DES MOINES, IA
DUBUQUE, IA
SIoux CITY, IA

1350 LINNERTUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
REV. NO. DATE

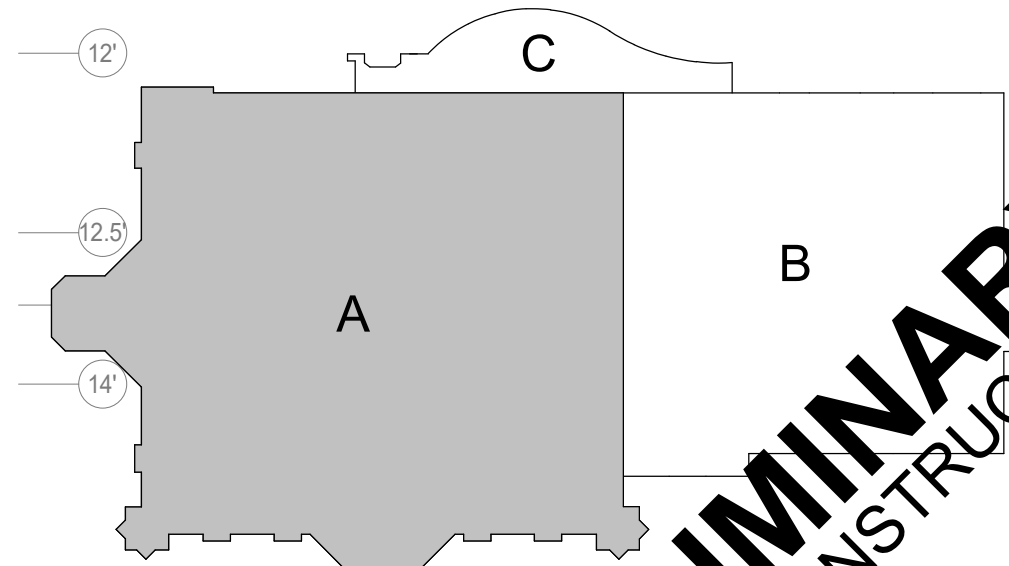
PROJECT NUMBER
2023402
SHEET





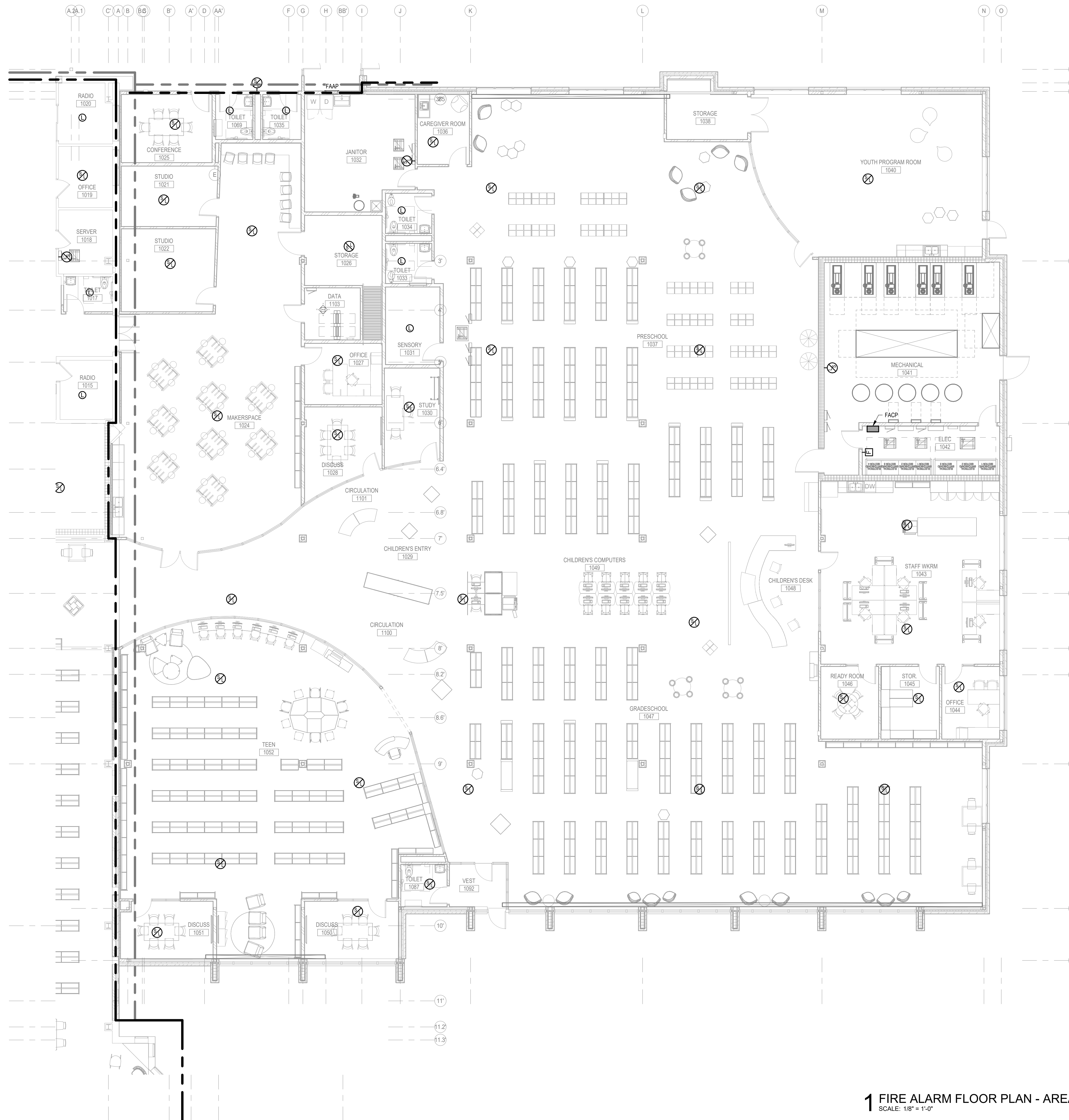
KEYED NOTES

1 FIRE ALARM FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"



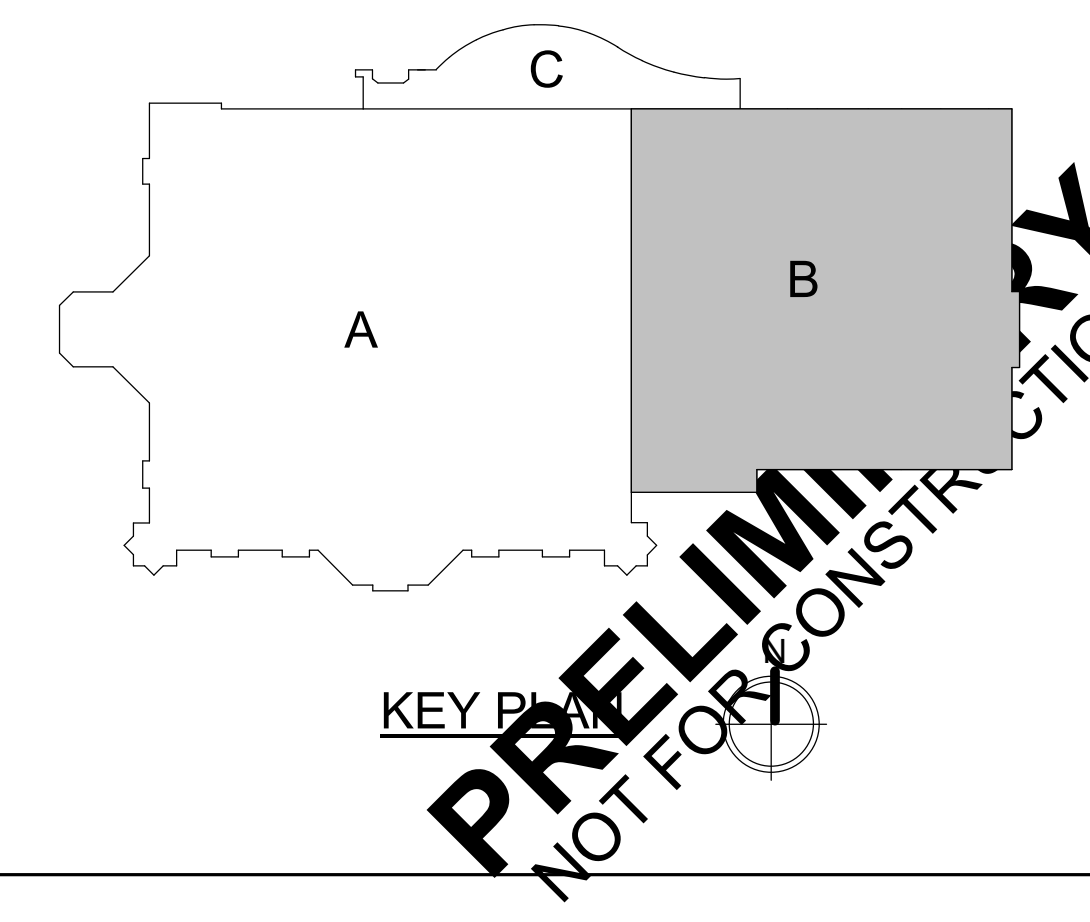
KEY PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

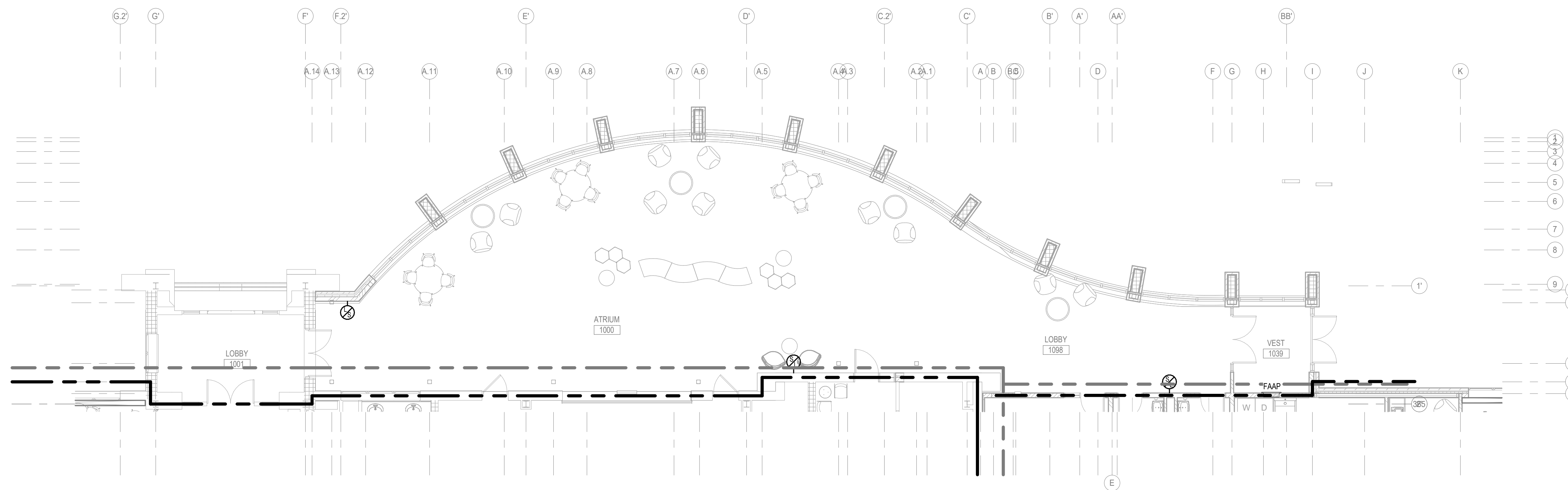


KEYED NOTES

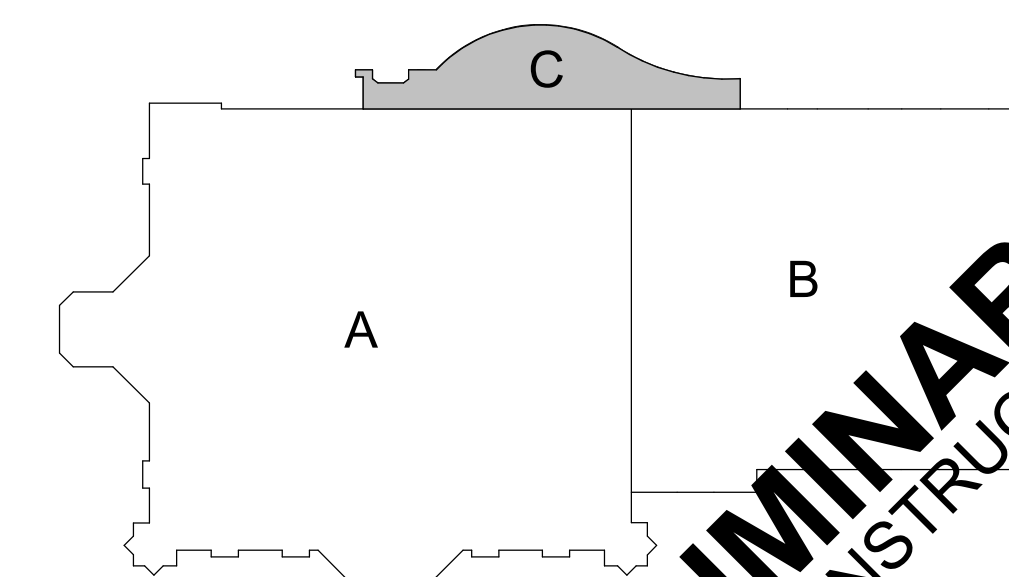
1 FIRE ALARM FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"



KEYED NOTES



1 FIRE ALARM FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



KEY PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

FEH DESIGN

SIOUX CITY, IA (712) 252-3889
 DES MOINES, IA (515) 288-2000
 DUBUQUE, IA (663) 583-4500
 OCONOMOWOC, WI (262) 968-2055

IN ASSOCIATION WITH

SNYDER & ASSOCIATES

DESIGN ENGINEERS

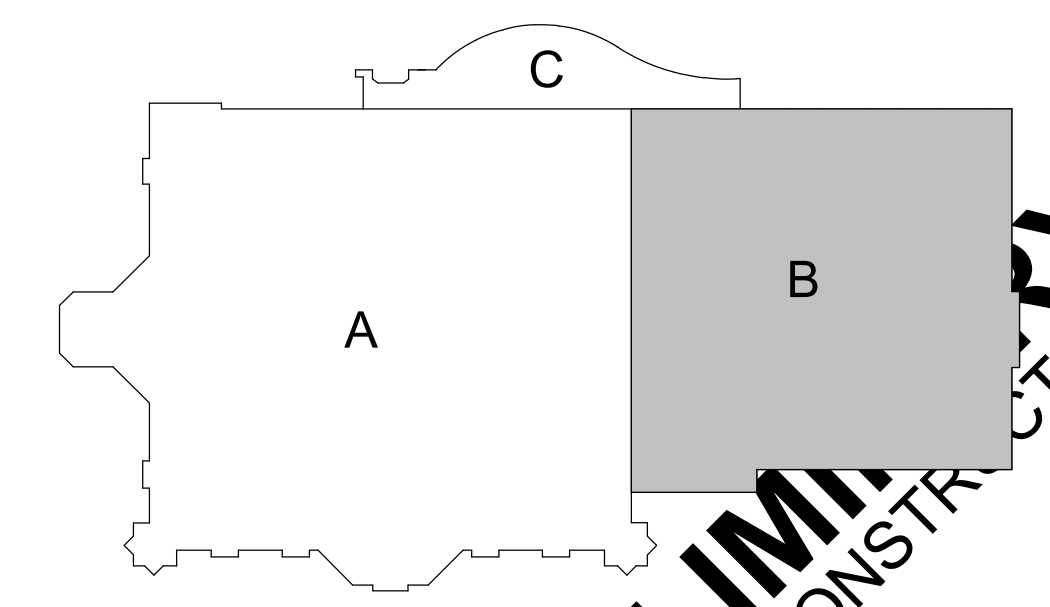
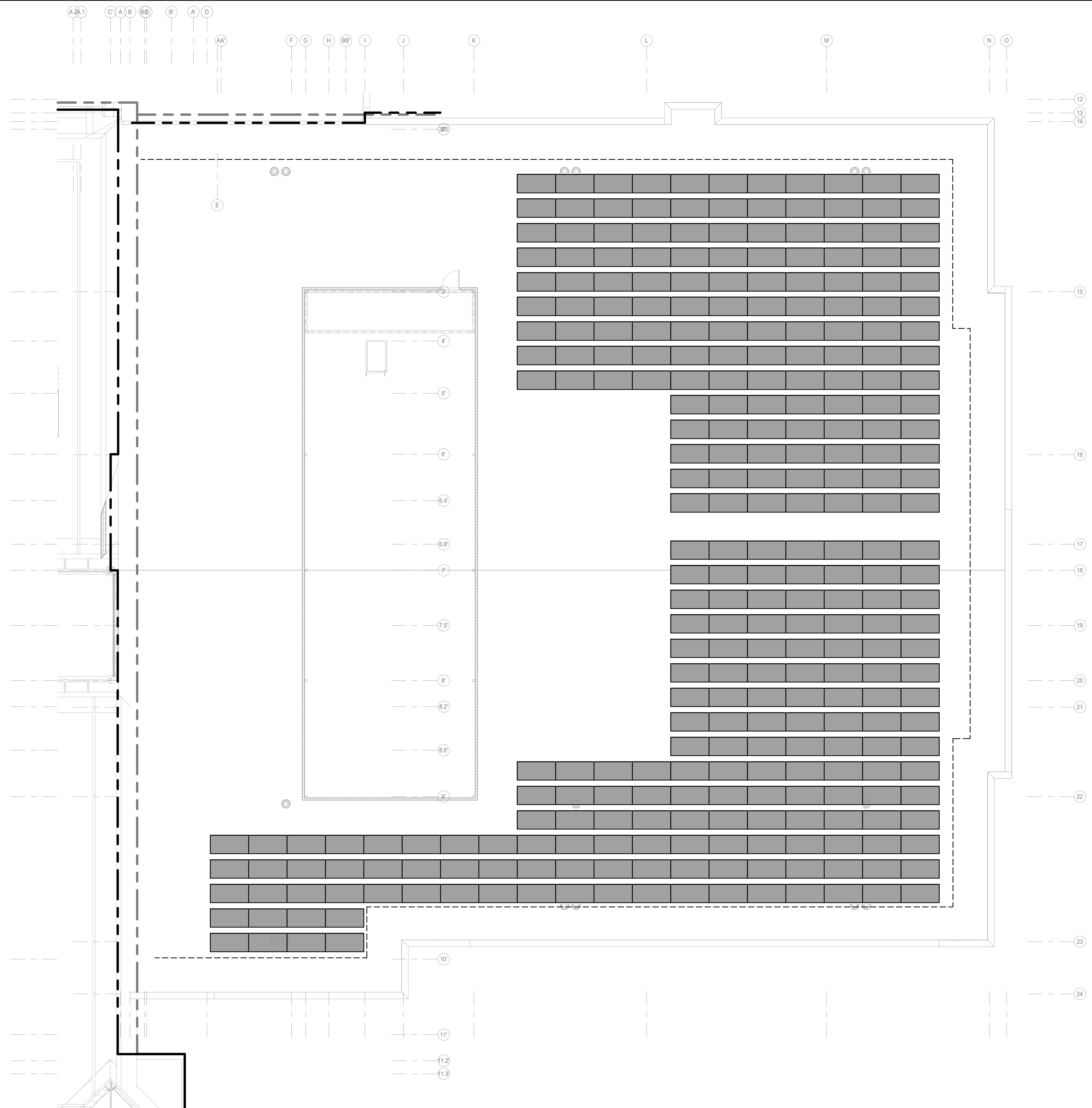
SHEET TITLE
FIRE ALARM FLOOR PLAN - AREA C

PROJECT TITLE
CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET
FA1.4



1 ELECTRICAL PHOTOVOLTAIC ROOF PLAN
SCALE: 1/8" = 1'-0"

KEY PLAN
PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED: 12/16/2023
REV. NO. DATE

PROJECT NUMBER: 2023402

SHEET: PV2.1

IN ASSOCIATION WITH:
SNYDER & ASSOCIATES
DESIGN ENGINEERS

FEH DESIGN
SIOUX CITY, IA (712) 252-3889
DES MOINES, IA (515) 288-2000
DUBUQUE, IA (663) 583-4500
OCONOMOWOC, WI (262) 968-2055

PRELIMINARY
NOT FOR CONSTRUCTION

SHEET

PV5.0

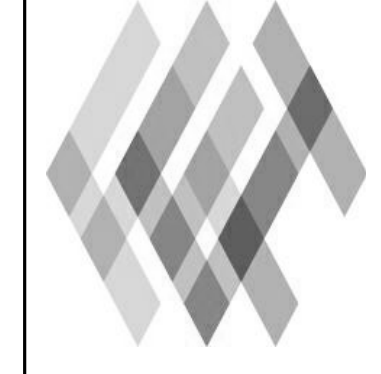
PROJECT NUMBER
2023402

DATE ISSUED 12/16/2023
REV. NO. DATE

PROJECT TITLE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

SHEET TITLE
PHOTOVOLTAIC SCHEDULES AND DETAILS

IN ASSOCIATION WITH

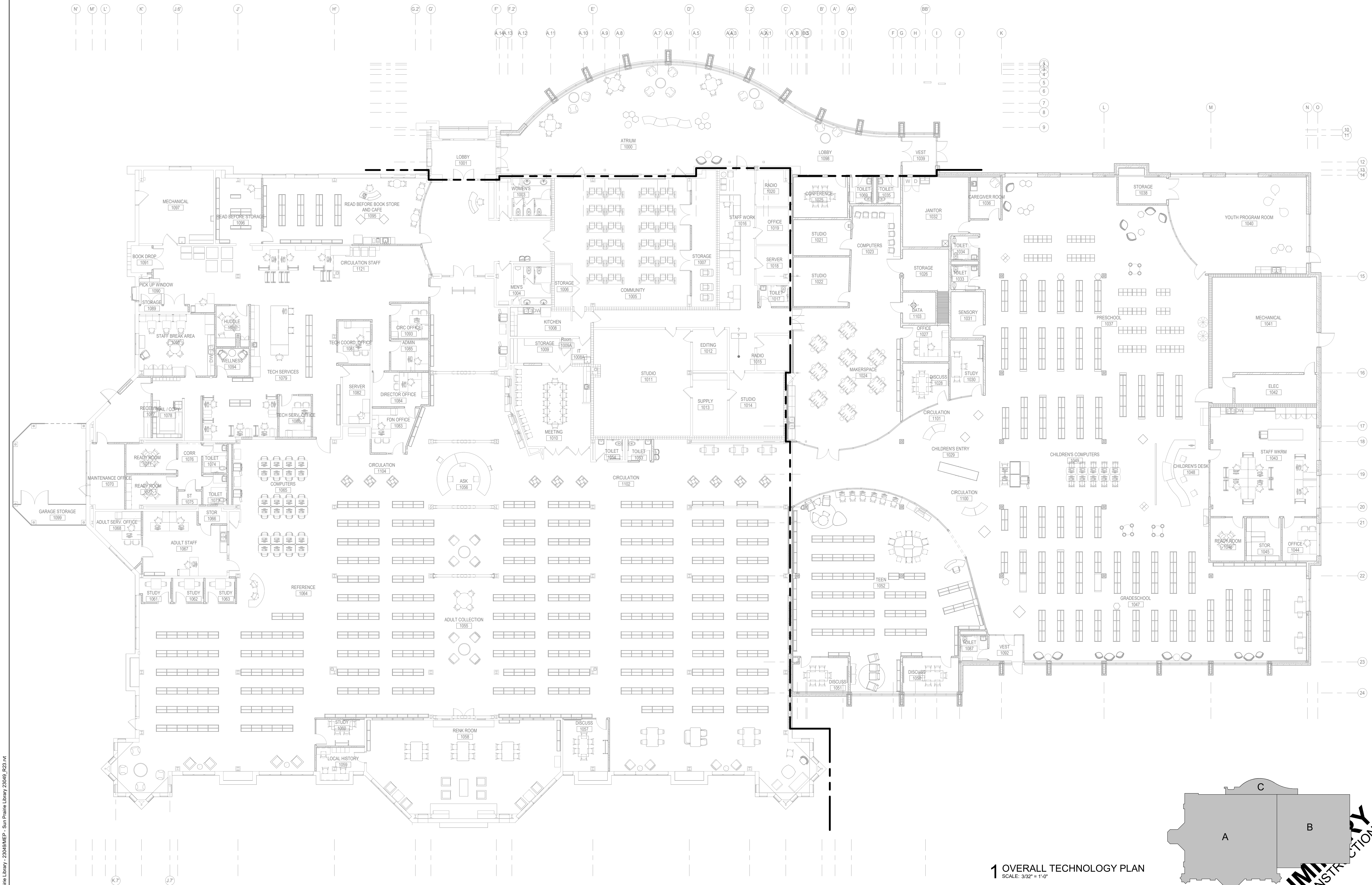


SIOUX CITY, IA
(712) 252-3889

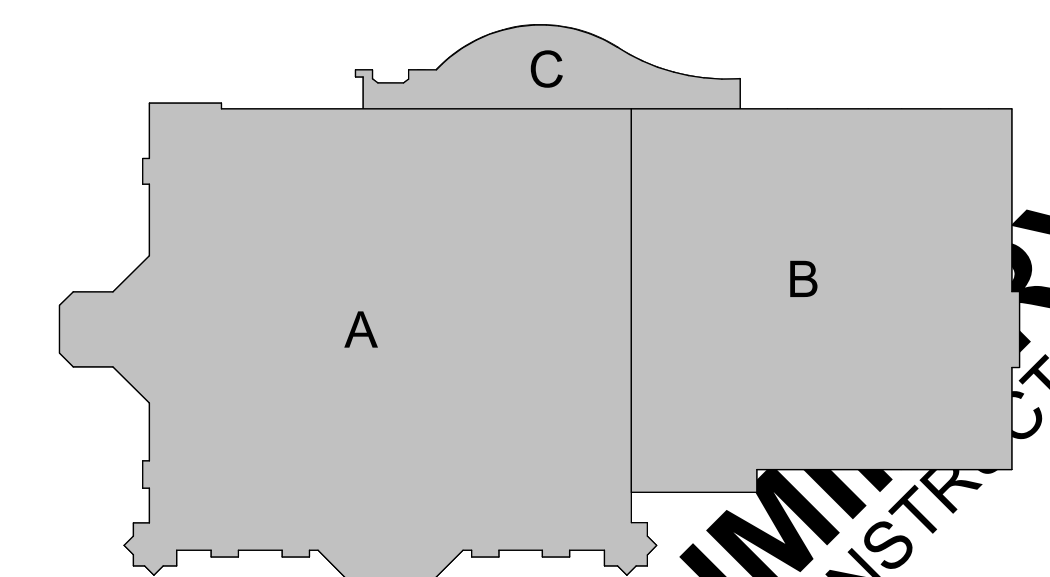
DES MOINES, IA
(515) 288-2000

DUBUQUE, IA
(663) 583-4500

OCONOMOWOC, WI
(262) 968-2055



1 OVERALL TECHNOLOGY PLAN
SCALE: 3/32" = 1'-0"



KEY PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

OVERALL TECHNOLOGY PLAN

**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**

1350 LINNERUD DRIVE
SUN PRAIRIE, WI

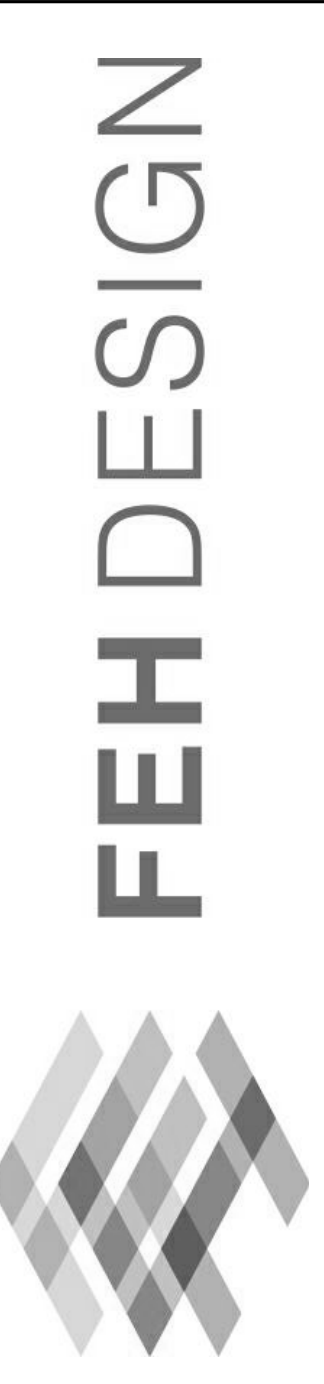
PROJECT TITLE CITY OF SUN PRAIRIE

DATE ISSUED 12/16/2023
REV. NO. DATE

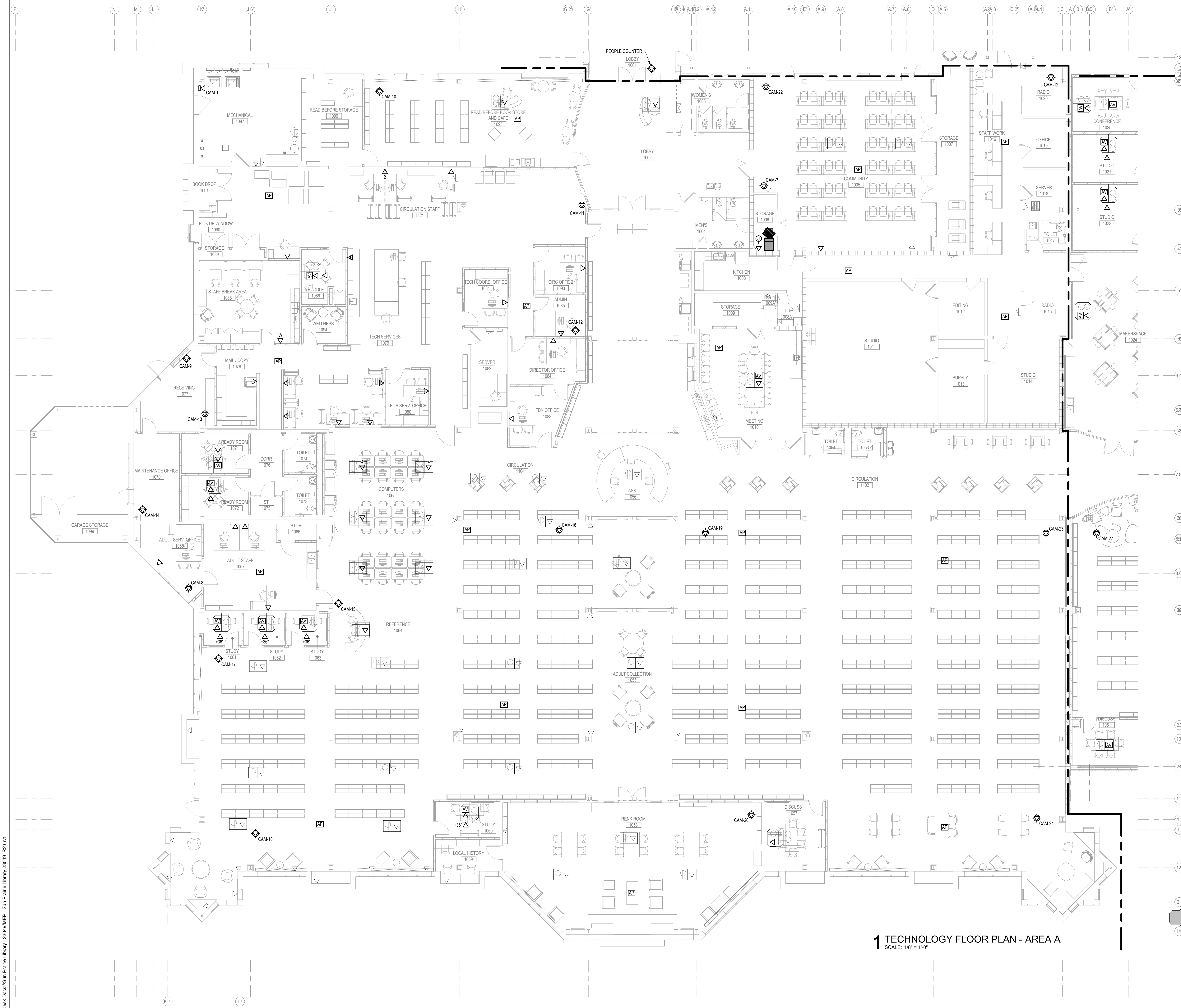
PROJECT NUMBER
2023402

SHEET
T1.1

IN ASSOCIATION WITH

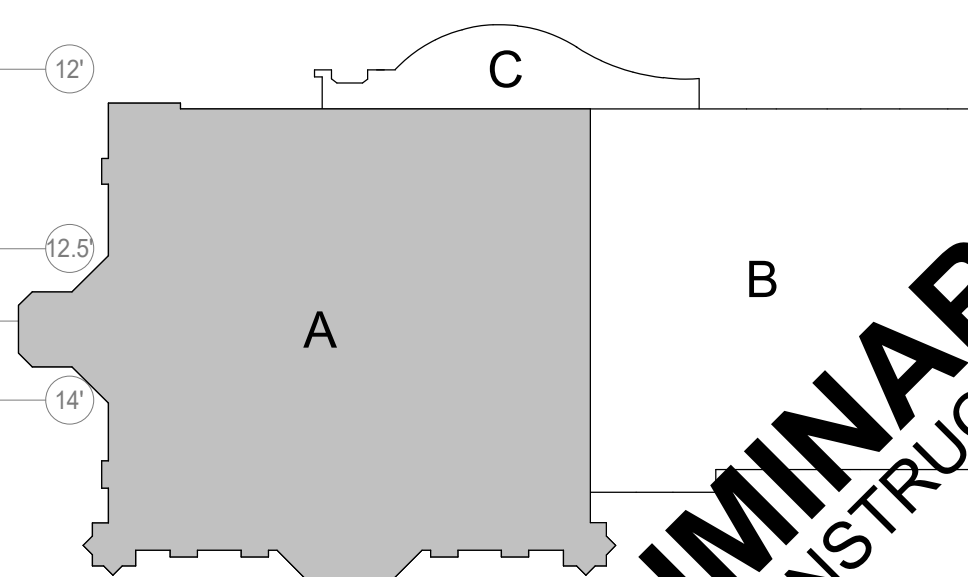


SIOUX CITY, IA (712) 252-3889
DES MOINES, IA (515) 288-2000
DUBUQUE, IA (663) 983-4900
OCONOMOWOC, WI (262) 968-2055



KEYED NOTES

1 TECHNOLOGY FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"



PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

DATE ISSUED: 12/16/2023
 REV. NO. DATE

PROJECT NUMBER
 2023402

SHEET
T1.2

IN ASSOCIATION WITH

SNYDER & ASSOCIATES
 DESIGN ENGINEERS

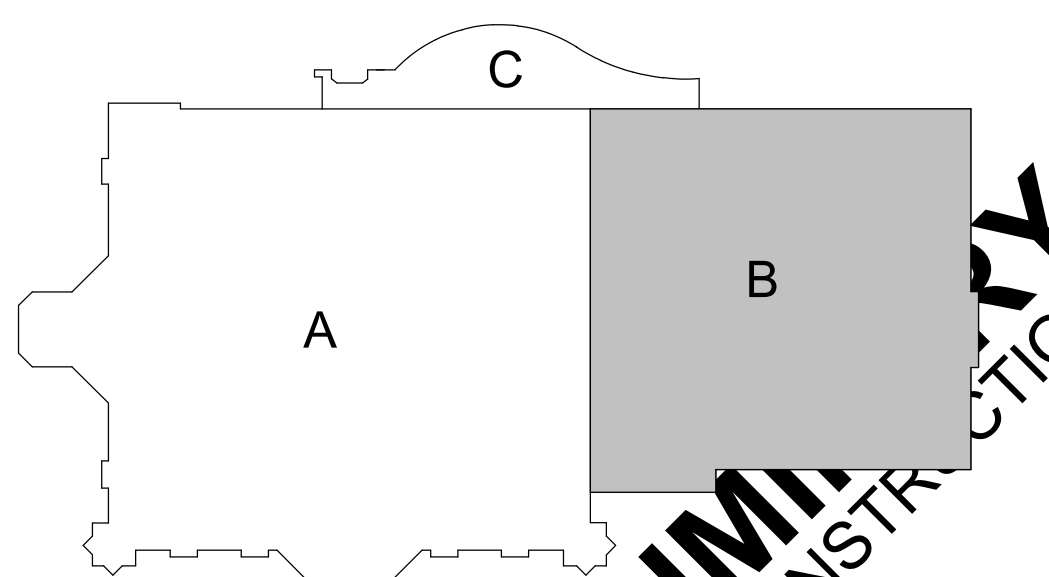
FEH DESIGN

SIOUX CITY, IA (712) 252-3889
 DES MOINES, IA (515) 288-2000
 DUBUQUE, IA (663) 983-4600
 OCONOMOWOC, WI (262) 968-2055

KEYED NOTES



1 TECHNOLOGY FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"



KEY PLAN
PRELIMINARY
NOT FOR CONSTRUCTION

FEH DESIGN

SIOUX CITY, IA (712) 252-3889
DES MOINES, IA (515) 288-2000
DUBUQUE, IA (663) 583-4500
OCONOMOWOC, WI (262) 968-2055

IN ASSOCIATION WITH

SNYDER & ASSOCIATES

DESIGN ENGINEERS

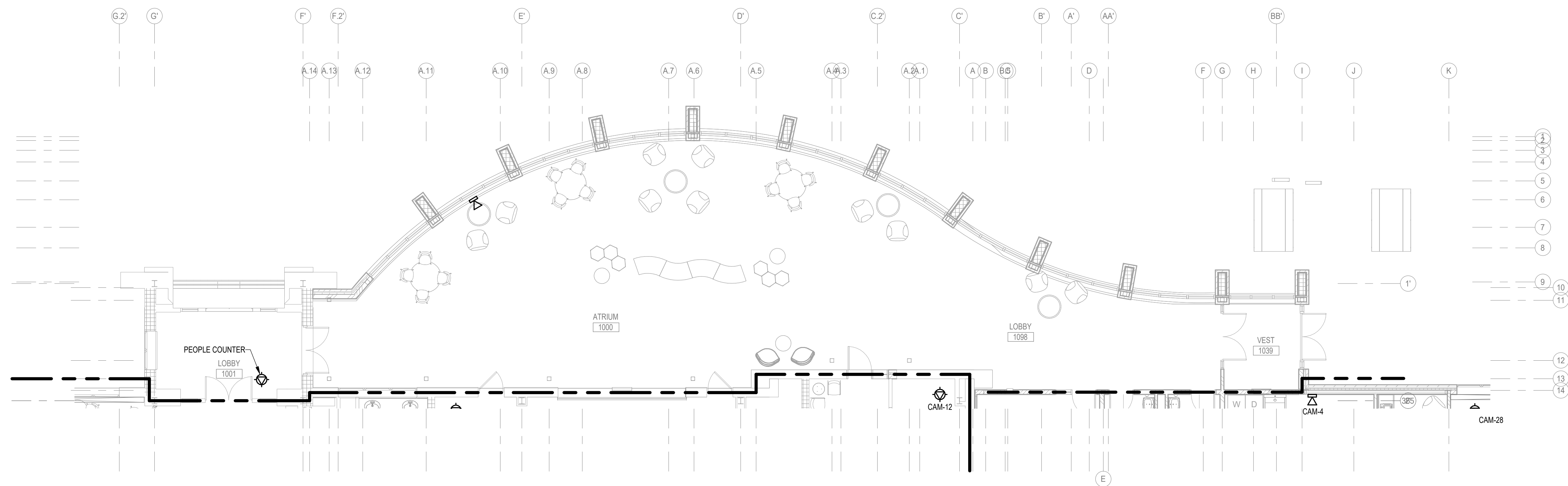
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TECHNOLOGY FLOOR PLAN - AREA B

PROJECT TITLE
CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERTUD DRIVE
SUN PRAIRIE, WI

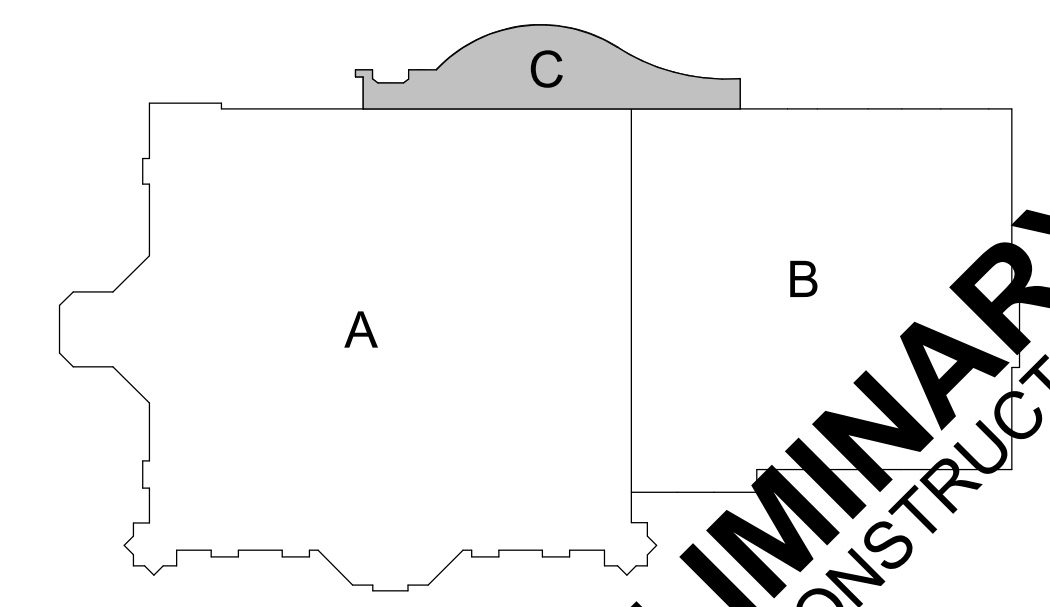
DATE ISSUED 12/16/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET
T1.3



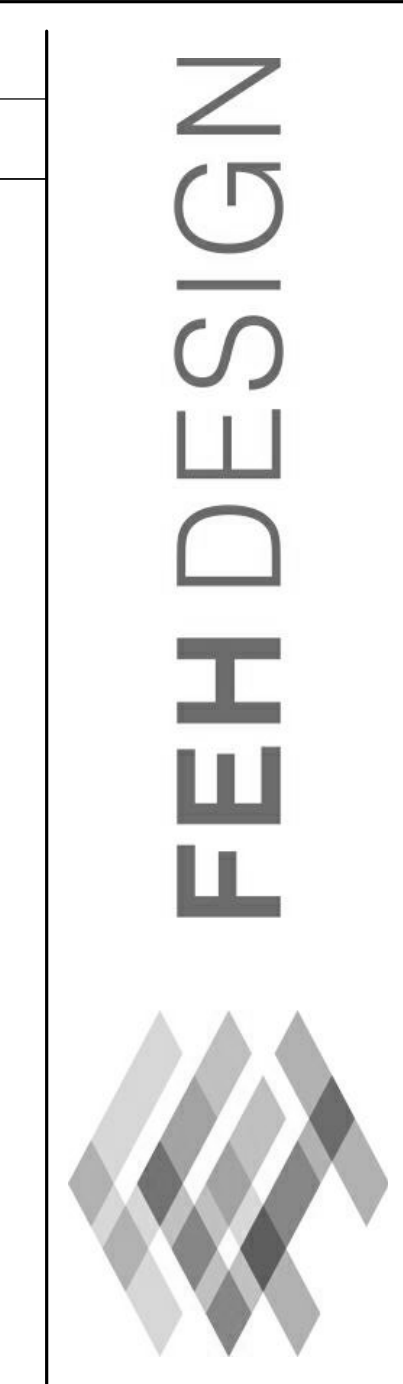
1 TECHNOLOGY FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



KEY PLAN

KEYED NOTES

IN ASSOCIATION WITH



SIOUX CITY, IA (712) 252-3889
DES MOINES, IA (515) 288-2000
DUBUQUE, IA (663) 583-4500
OCONOMOWOC, WI (262) 968-2055

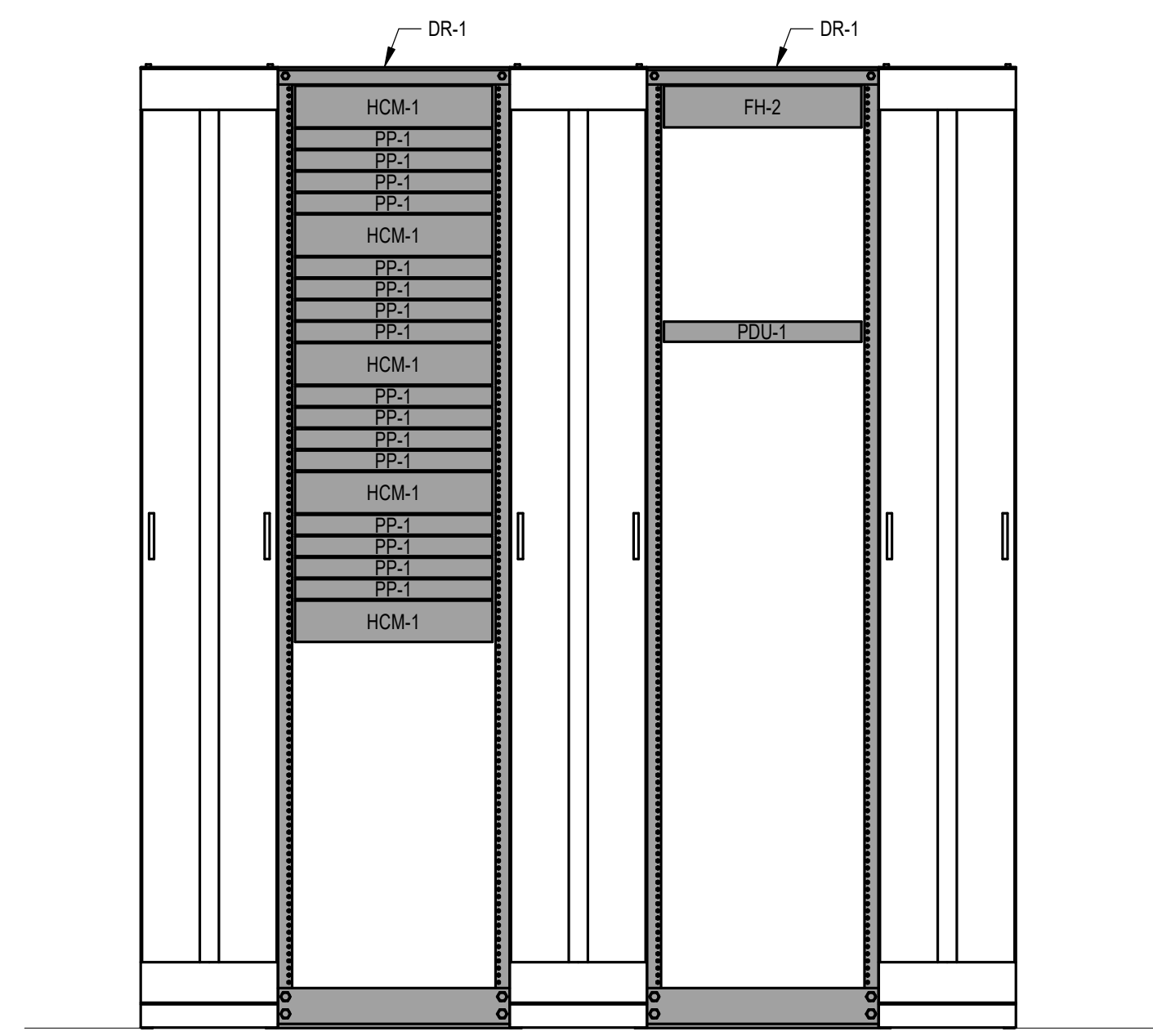
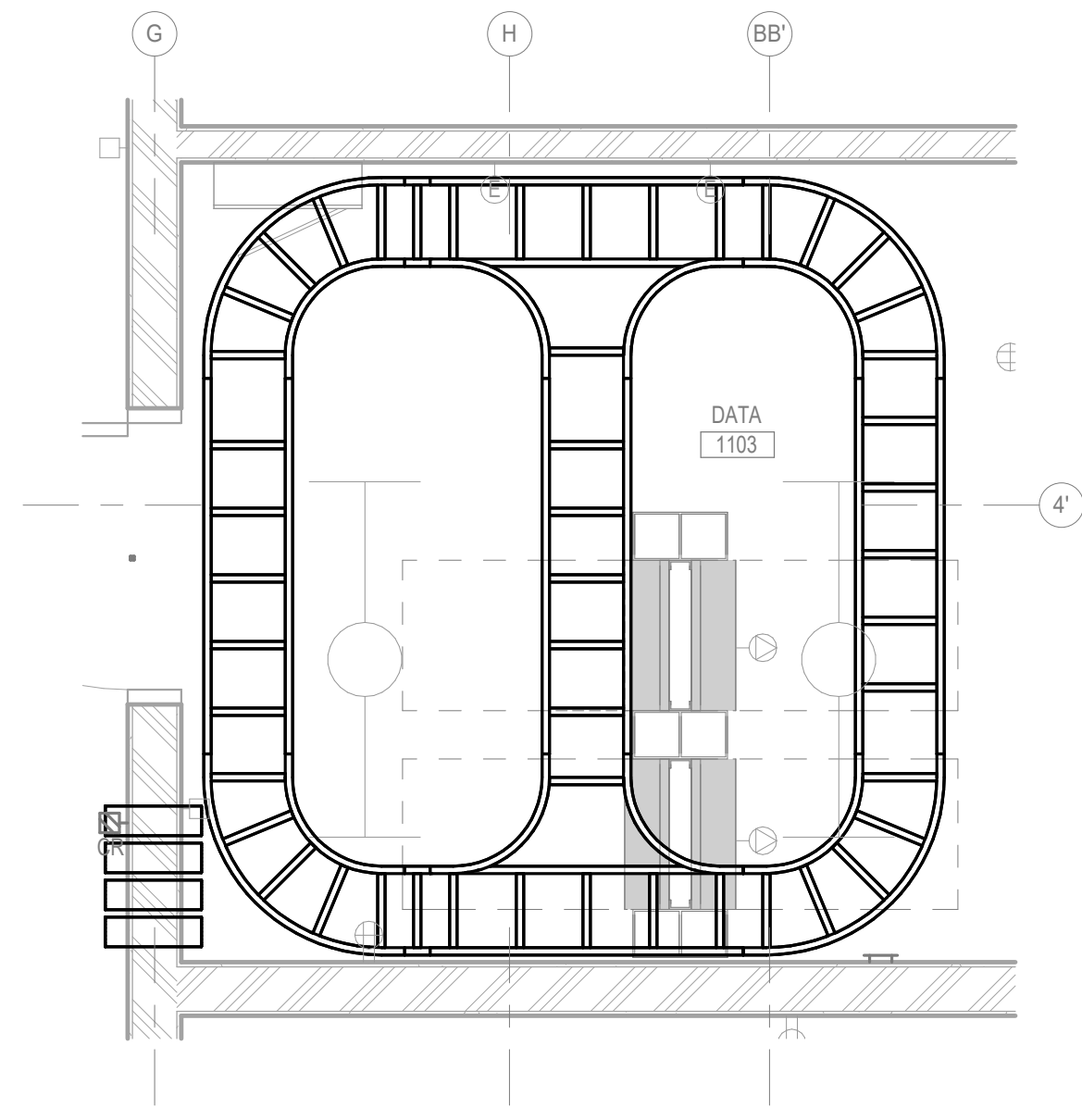
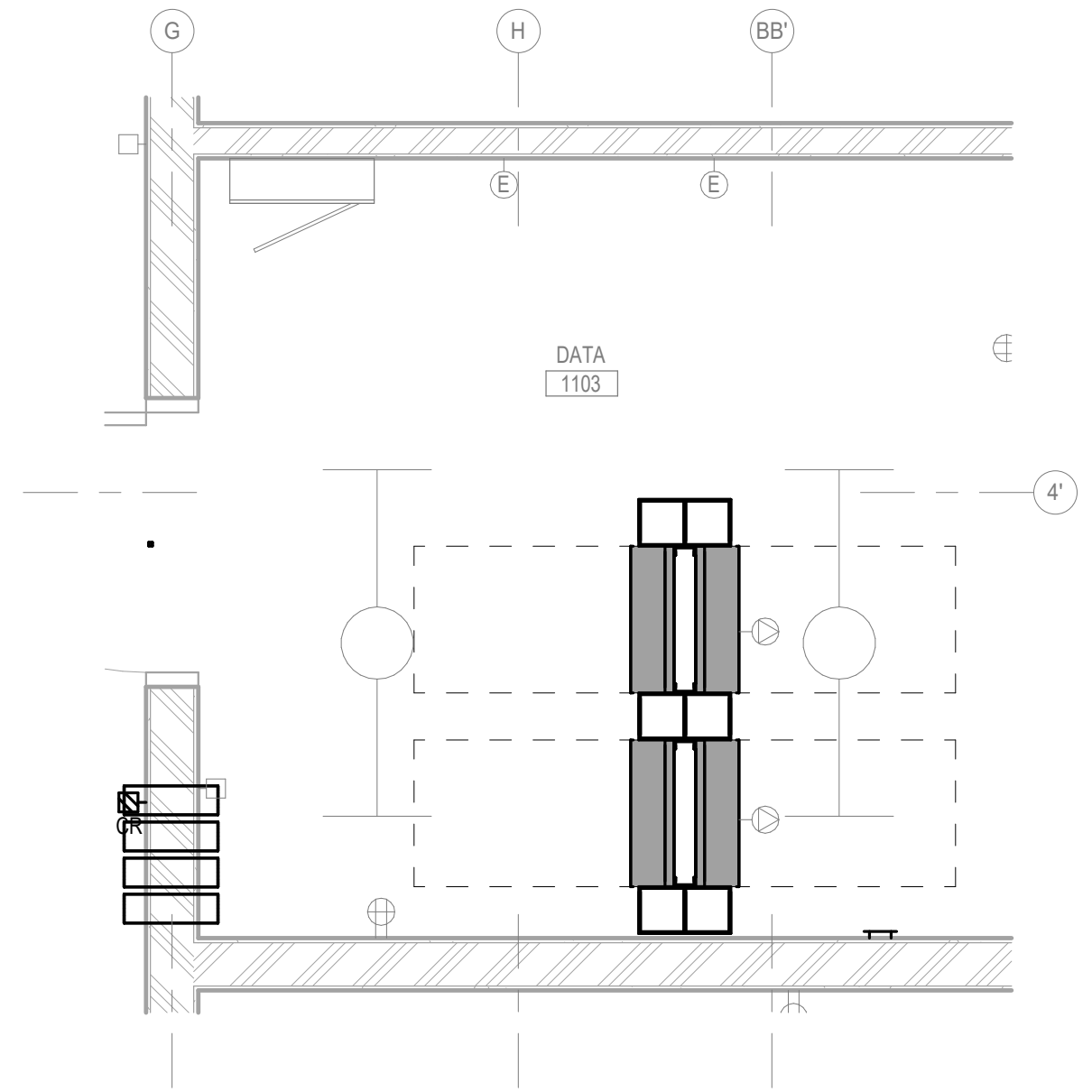
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TECHNOLOGY FLOOR PLAN - AREA C

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

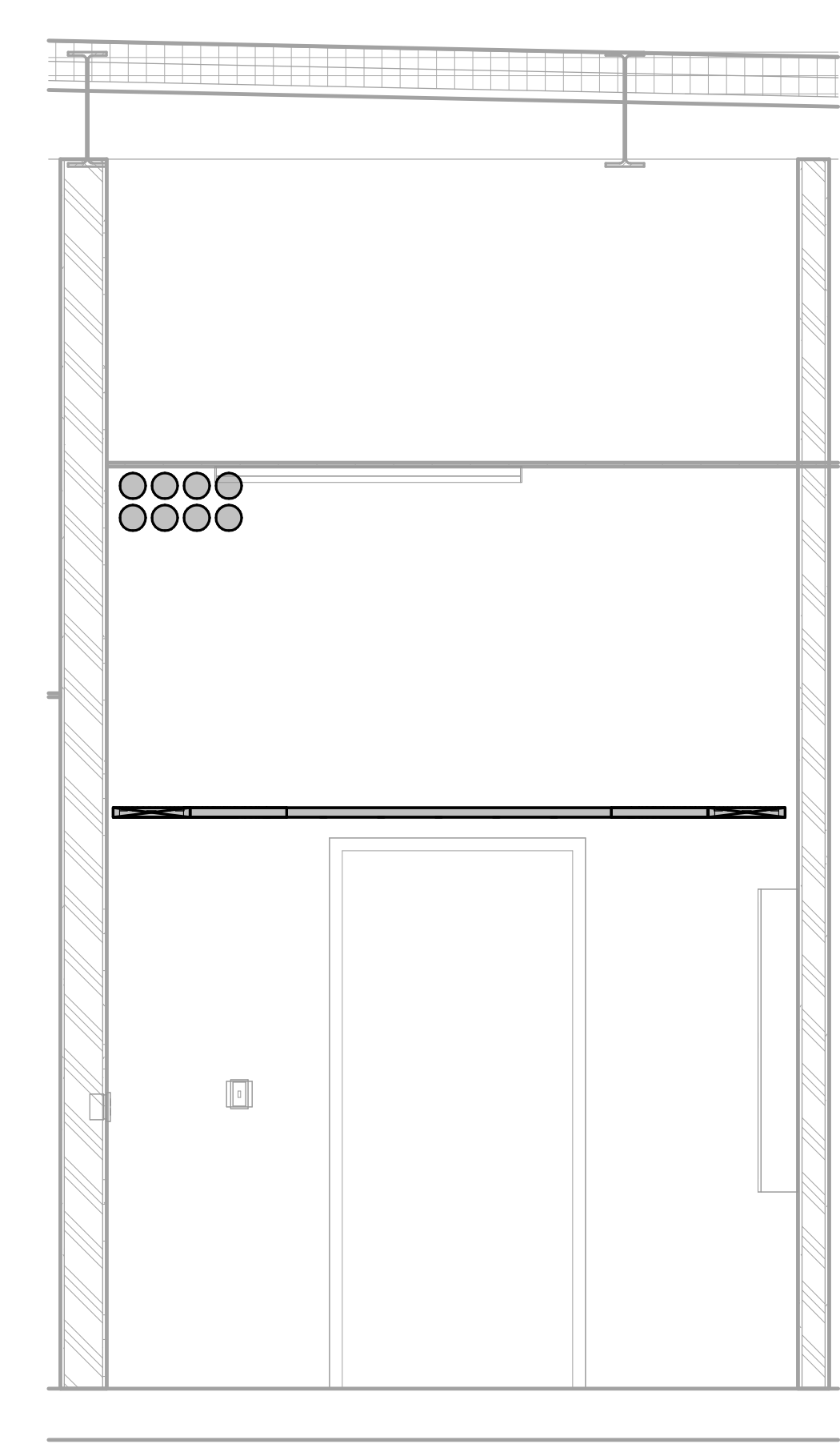
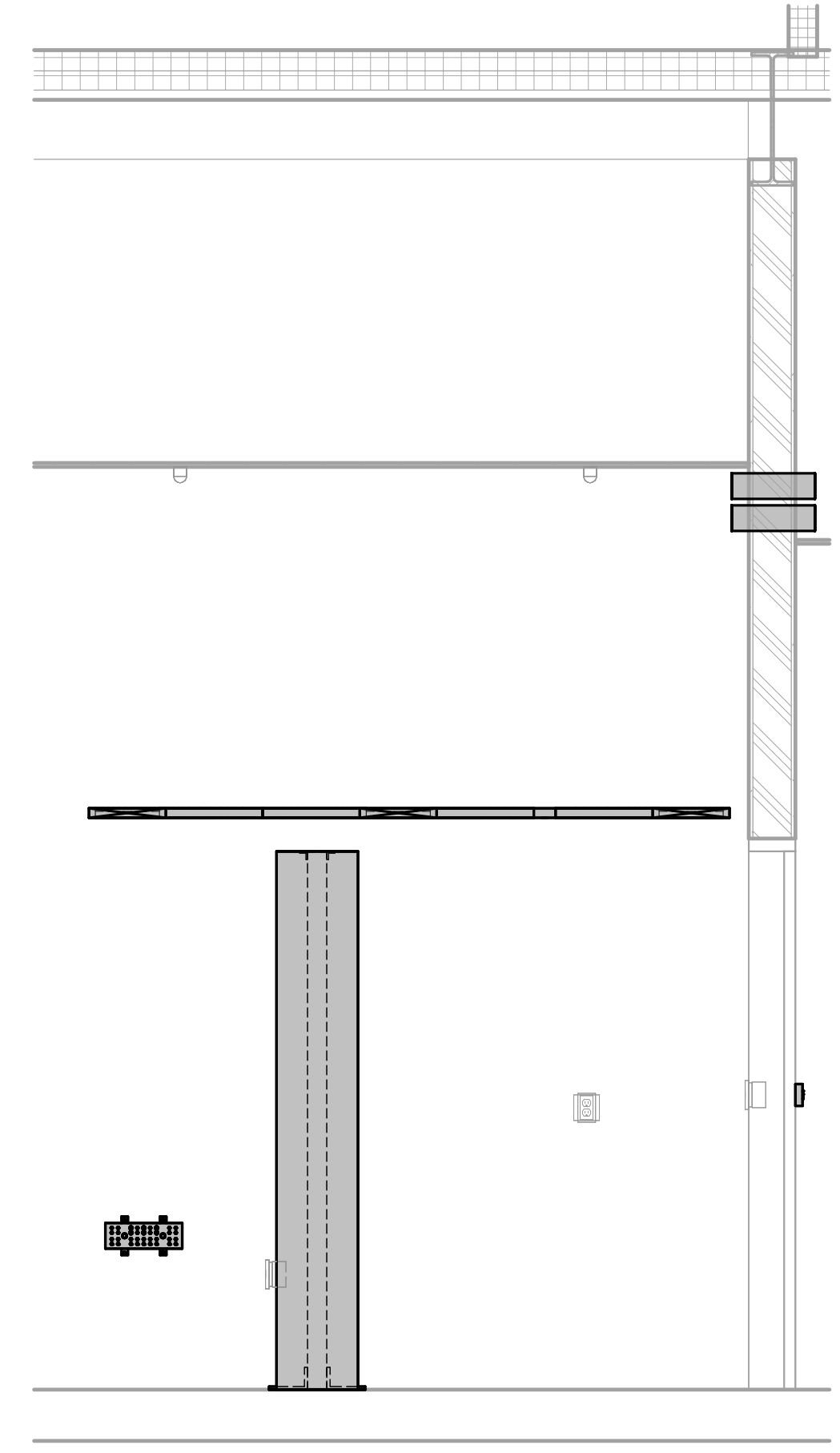
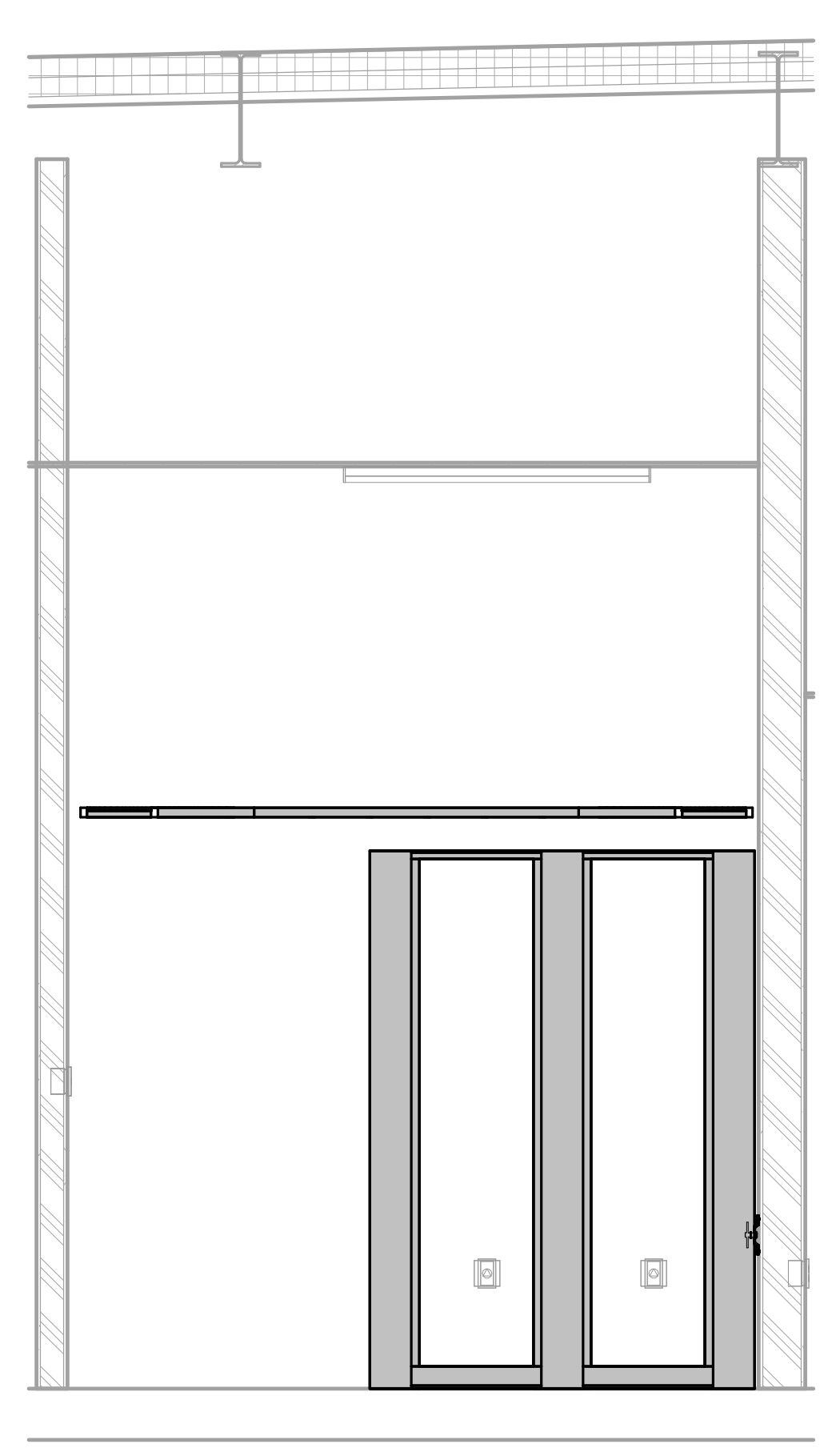
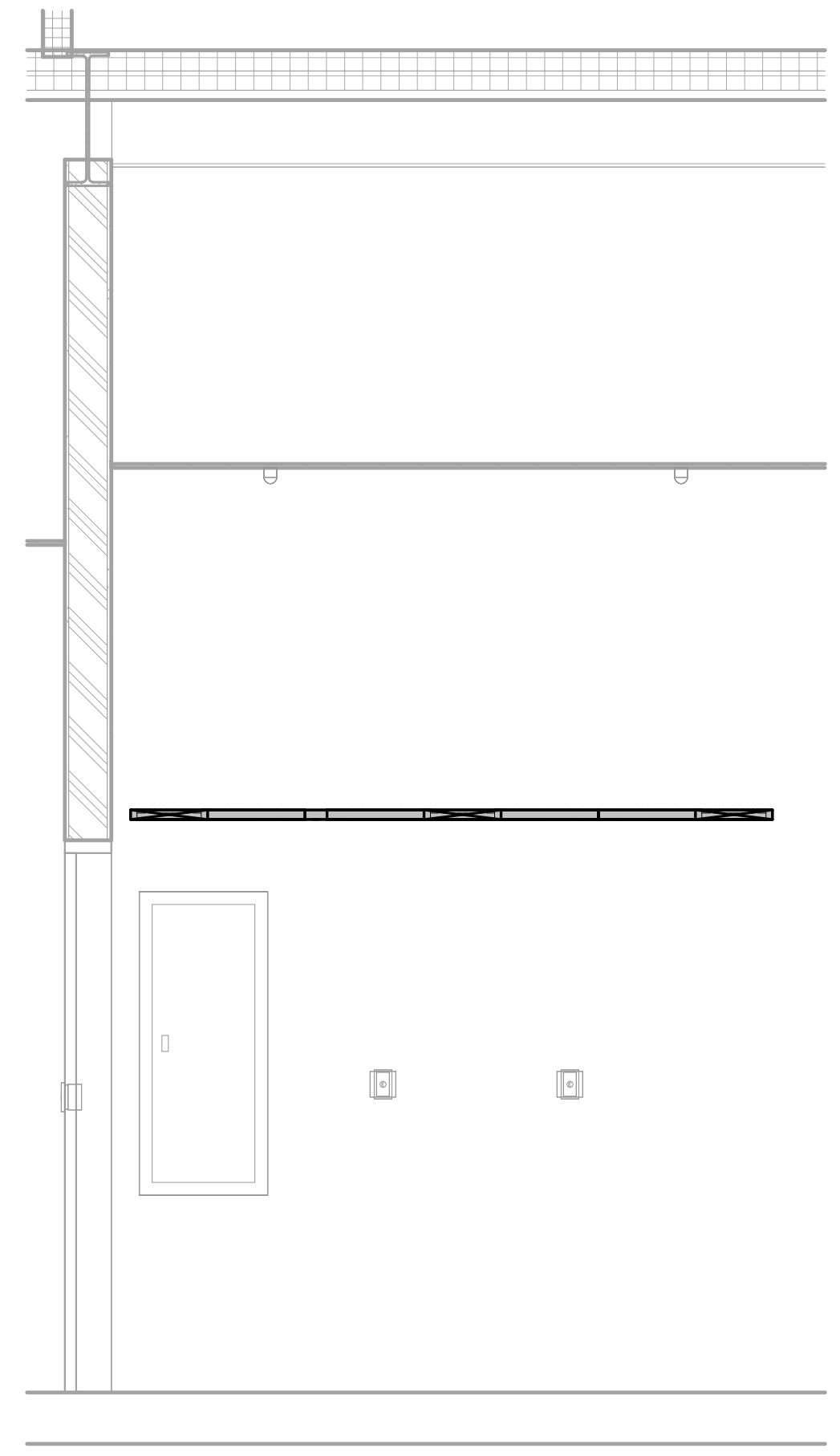
DATE ISSUED 12/16/2023
REV. NO. DATE

PROJECT NUMBER
2023402

SHEET
T1.4



1 DATA ROOM 1103 ENLARGED PLAN
SCALE: 1/2" = 1'-0"



2 ROOM 1103 WALL ELEVATIONS
SCALE: 1/2" = 1'-0"

NORTH

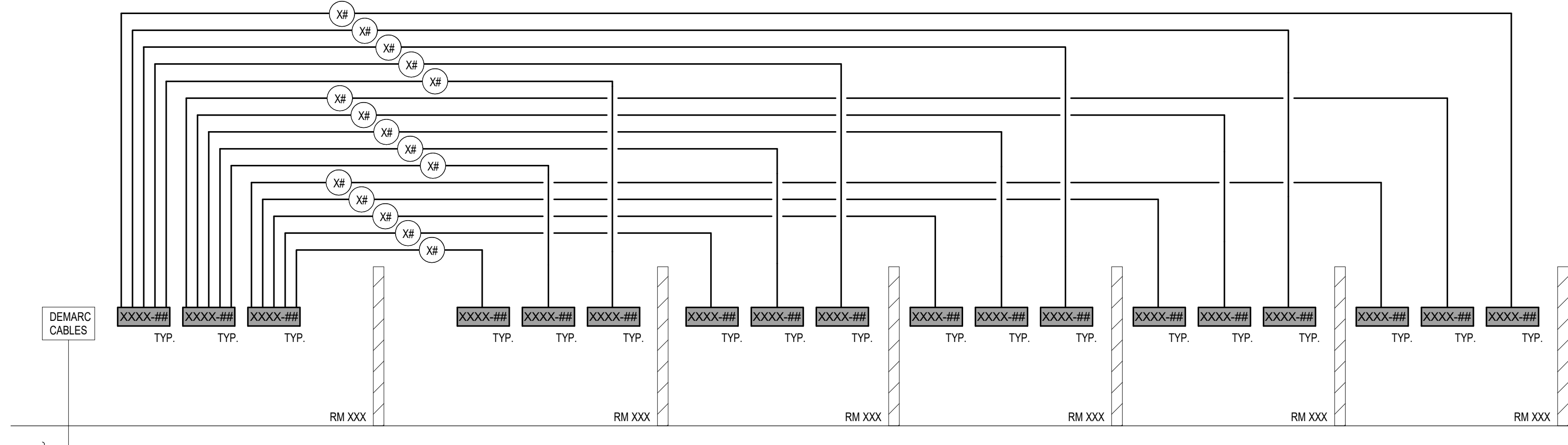
EAST

SOUTH

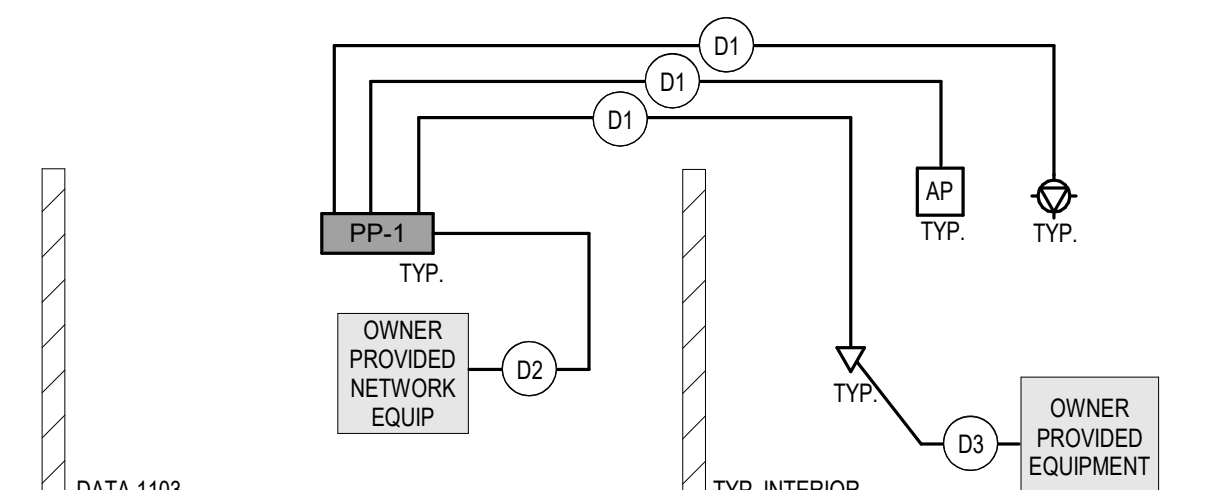
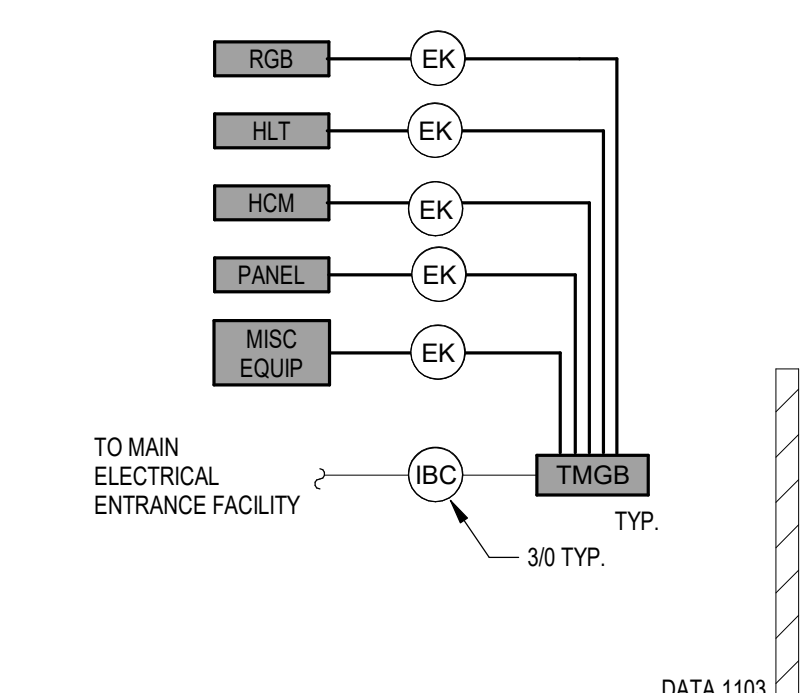
WEST

PRELIMINARY
NOT FOR CONSTRUCTION

TELECOMMUNICATIONS SCHEDULE					
Key:					
FB: Furnished By		DIV.27: Telecom Contractor			
IB: Installed By		DIV.26: Electrical Contractor			
O: Owner					
General Notes:					
1.					
2.					
3.					
Schedule Notes:					
1.					
2.					
PLAN MARK	DESCRIPTION	FB	IB	REMARKS	SCHEDULE NOTES
ROW INTENTIONALLY LEFT BLANK					



TECHNOLOGY SCHEMATIC DIAGRAM OPTION 1



NOTE: ALL CROSS-CONNECTS AND CORDAGE CONNECTIONS ARE BY CONTRACTOR. COORDINATE SPECIFICS WITH OWNER.

PRELIMINARY
 NOT FOR CONSTRUCTION

TECHNOLOGY SYMBOLS

(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)
(NOTE: ALL STANDARD HEIGHT DEVICES 18" AFF TO CENTER OF BOX UNLESS NOTED OTHERWISE)

*** STRUCTURE CABLING DEVICES ***

- ▶ # INFORMATION JACK FOR VOICE OR DATA USE. MATCH RECEPTACLE HEIGHT UNLESS OTHERWISE NOTED. # - INDICATES CABLE AND JACK QUANTITY. W - INDICATES WALL PHONE PLATE AT +48" TO CENTER OF BACKBOX UNLESS OTHERWISE NOTED. ▶ - INDICATED IF ABOVE COUNTERTOP OR IF ABOVE BACKPLASH UNLESS OTHERWISE NOTED. ▶ - INDICATES MULTIPLE CABLE TYPES AS NOTED ON DRAWINGS.

INFORMATION JACK FOR VOICE OR DATA USE - ABOVE CEILING

- INDICATES CABLE AND JACK QUANTITY

WIRELESS ACCESS POINT (WAP) - CEILING MOUNTED, TWO INFORMATION JACKS FOR DATA BY TELECOMMUNICATION CONTRACTOR

- INDICATES CABLE AND JACK QUANTITY

WIRELESS ACCESS POINT (WAP) - WALL MOUNTED, TWO INFORMATION JACKS FOR DATA BY TELECOMMUNICATION CONTRACTOR

- INDICATES CABLE AND JACK QUANTITY

CATV SYSTEM OUTLET

CLOCK - CEILING MOUNTED

X - INDICATES PLAN MARK OF CLOCK DEVICE. SEE CLOCK SCHEDULE

CLOCK - WALL MOUNTED

X - INDICATES PLAN MARK OF CLOCK DEVICE. SEE CLOCK SCHEDULE

EMERGENCY COMMUNICATION DEVICE, ONE INFORMATION JACK FOR VOICE OR DATA

X - INDICATES PLAN MARK OF EMERGENCY COMMUNICATION DEVICE. SEE EMERGENCY COMMUNICATION SCHEDULE

EMERGENCY COMMUNICATION DEVICE - WALL MOUNTED, ONE INFORMATION JACK FOR VOICE OR DATA

X - INDICATES PLAN MARK OF EMERGENCY COMMUNICATION DEVICE. SEE EMERGENCY COMMUNICATION SCHEDULE

INTERCOM DEVICE, COMPLETELY SOLID

X - INDICATES PLAN MARK OF INTERCOM DEVICE. SEE INTERCOM SCHEDULE

INTERCOM DEVICE

X - INDICATES PLAN MARK OF INTERCOM DEVICE. SEE INTERCOM SCHEDULE

INTERCOM SPEAKER - CEILING MOUNTED

X - INDICATES PLAN MARK OF INTERCOM DEVICE. SEE INTERCOM SCHEDULE

INTERCOM SPEAKER - WALL MOUNTED

X - INDICATES PLAN MARK OF INTERCOM DEVICE. SEE INTERCOM SCHEDULE

VAPE DETECTOR - CEILING MOUNTED

VAPE DETECTOR - WALL MOUNTED

*** TYPICAL EQUIPMENT ***

XX #/ EQUIPMENT DESIGNATION PER EQUIPMENT SCHEDULE

TECHNOLOGY RACK - 2 POST
--- CLEARANCE BORDER

TECHNOLOGY RACK - 4 POST
--- CLEARANCE BORDER

TECHNOLOGY RACK - SLIDE OUT
--- CLEARANCE BORDER

TECHNOLOGY RACK - SWING OUT
--- CLEARANCE BORDER

SPECIAL CABINET AS NOTED - SURFACE MOUNTED

SPECIAL CABINET AS NOTED - RECESSED MOUNTED

GROUND BAR

*** TYPICAL RACEWAYS ***

WIRE BASKET

LADDER RACK

SPLINE TRAY
W - INDICATES WIDTH IN INCHES
H - INDICATES HEIGHT IN INCHES

HALF SPLINE TRAY
W - INDICATES WIDTH IN INCHES
H - INDICATES HEIGHT IN INCHES

CABLE HOOKS

SPRICE CONNECTION FROM EXISTING TO NEW

CONDUIT STUB

CONDUIT CONTINUATION

CONDUIT TURNING UP

CONDUIT TURNING DOWN

PULL BOX

JUNCTION BOX - IN FLOOR BOX OR CEILING

JUNCTION BOX - WALL MOUNTED

HANDHOLE BOX - IN GROUND

MULTI-DEVICE RACEWAY AS NOTED

FEED POINT - JUNCTION BOX
GENERAL NOTE: BOXED INFORMATION JACK AND OTHER BOXED DEVICES INDICATE RACEWAY MOUNTED

FURNITURE FEED

FURNITURE FEED - WALL MOUNTED

*** TYPICAL DEVICES ***

FLOOR BOX / POKE THRU WITH SERVICES AS NOTED

WALL BOX WITH SERVICES AS NOTED

ANY WIRING DEVICE WITH THIS SYMBOL INDICATES SURFACE MOUNTED OUTLET BOX

ANY WIRING DEVICE WITH THIS SYMBOL INDICATES WIRELESS NETWORK CAPABILITY

GENERAL STRUCTURE NOTES:

- THE LOCATION AND SIZE OF ANY HOLES THROUGH STRUCTURE WILL REQUIRE REVIEW AND APPROVAL OF STRUCTURAL ENGINEER.
- IT IS ASSUMED THAT ALL CONDUIT WILL BE SUPPORTED AT EACH FLOOR RATHER THAN AS A POINT LOAD AT ONE LOCATION.
- COORDINATE THE EXACT LOCATION OF FLOOR BOXES TO MISS STEEL BEAMS AND OPEN WEB FLOOR JOISTS. CONTRACTOR SHALL FORM ALL RECESSED FLOOR BOXES INTO CONCRETE POUR.
- IT IS ASSUMED THAT ALL HORIZONTAL CONDUIT WILL BE SUPPORTED ON INTERVALS OF 10' ON CENTER OR LESS. DO NOT SUSPEND EQUIPMENT FROM METAL ROOF DECKING.
- CONTRACTOR TO COORDINATE EXACT SIZE AND LOCATIONS OF ALL HOUSEKEEPING PADS PRIOR TO POURING OF CONCRETE.
- CONTRACTOR TO BLOCK OUT DUCTWORK OPENINGS AND SLEEVE PIPING AND CONDUIT OPENINGS IN FLOORS AND IN FIRE RATED CONCRETE AT BOTTOM AND TOP OF EACH SHAFT. REFER TO STRUCTURAL PLANS FOR TYPICAL DETAILS FOR OPENINGS IN FLOORS.
- OPENINGS IN LOAD BEARING CMU WALLS AND PRECAST WALL PANELS, NOT SPECIFICALLY DETAILED ON DRAWINGS, SHALL BE COORDINATED BY CONTRACTOR. REFER TO STRUCTURAL PLANS FOR SPECIFIC LOCATIONS OF LOAD BEARING CMU WALLS AND PRECAST WALL PANELS.
- CONTRACTOR TO COORDINATE THE SPECIFIC SIZE AND LOCATION FOR ALL OPENINGS REQUIRED IN HOLLOW CORE SLABS IN ALL APPLICABLE AREAS OF THE BUILDING. CUTTING OF HOLLOWCORE TENDONS IS PROHIBITED AND THE CONTRACTOR SHALL TAKE SPECIAL CARE WHEN LOCATING CORE DRILLED HOLES. ALL CORE DRILLED HOLES SHALL BE LOCATED IN THE VOID SPACES OF THE PRECAST PLANKS.

GENERAL TELECOMMUNICATIONS NOTES:

- THE DIVISION 26 CONTRACTOR SHALL STUDY ALL TELECOM PLANS INCLUDING READING ALL TELECOM GENERAL AND SPECIFIC NOTES FOR INSTRUCTIONS THAT WILL AFFECT OR PERTAIN TO THE ELECTRICAL CONTRACTOR.
- THE DIVISION 26 CONTRACTOR SHALL PROVIDE AND INSTALL ALL TELECOM CONDUITS TO ACCESSIBLE CEILING SPACE. THEY SHALL NOT BE TERMINATED ABOVE HANDLES OR IN EXPOSED AREAS, UNLESS INSTRUCTED OTHERWISE. STUB ALL TELECOM CONDUITS TO THE ACCESSIBLE CEILING SPACE IN THE SAME ROOM AS THE OPENING.
- THE DIVISION 26 CONTRACTOR SHALL NOT DASHY CHAN ANY VOICE/DATA CABLE OR AV CABLE CONDUITS WHEN ROUTING FROM BOXES TO ACCESSIBLE CEILING SPACES, ETC.
- THE DIVISION 26 CONTRACTOR SHALL PROVIDE AND INSTALL BUSHINGS ON ALL TELECOM CONDUITS AT THE TIME OF CONDUIT INSTALLATION.
- COORDINATE ROUTING OF RACEWAY AND EQUIPMENT TO MAINTAIN ACCESS TO FILTERS, MOTORS, ELECTRICAL EQUIPMENT, AND CONTROLS. IN NO CASE SHALL RACEWAY, CABLE BUNDLES, OR EQUIPMENT PASS DIRECTLY OVER ELECTRICAL PANELS OR DISCONNECTS OR RESTRICT ACCESS TO ANY ELECTRICAL EQUIPMENT INCLUDING JUNCTION BOXES.
- CONDUIT MINIMUM SIZES SHALL BE PER THE ELECTRICAL RACEWAY SPECIFICATIONS UNLESS NOTED OTHERWISE.
- THE DIVISION 26 CONTRACTOR SHALL VERIFY ALL QUANTITIES.
- THE DIVISION 26 CONTRACTOR SHALL FASTEN ALL EQUIPMENT TO STRUCTURE SO EVERYTHING IS COMPLETELY SOLID.
- THE DIVISION 27 CONTRACTOR SHALL USE HOOK AND LOOP FASTENERS ON CABLES EXCLUSIVELY. NO TIE WRAPS. EXCEPTION: TIE WRAPS MAY BE USED LOOSELY FOR DRESSING CABLES DURING INSTALLATION, BUT SHALL BE REMOVED AND REPLACED WITH HOOK AND LOOP FASTENERS BEFORE JOB IS COMPLETE.
- THE MAXIMUM DISTANCE BETWEEN ALL J HOOKS SHALL BE FIVE FEET. ALL J HOOKS SHALL BE SIZED TO HAVE AT LEAST 50% CAPACITY AVAILABLE FOR FUTURE GROWTH. CONTRACTOR SHALL NOT FASTEN CABLES TO PIPING, DUCTWORK, CONDUITS, OR ANYTHING OTHER THAN CONTRACTOR INSTALLED J HOOKS OR CABLE TRAY SUPPORTED FROM STRUCTURE. CONTRACTOR SHALL NOT LAY CABLE OVER PIPING, DUCTWORK, CONDUITS, CEILING GRID/TILES, AND ANY OTHER BUILDING STRUCTURE ELEMENT OR BUILDING SUPPORT SYSTEM DEVICE. USE LOW VOLTAGE PATHWAY ONLY.
- ALL TELECOM CABLES IN FINISHED SPACES IS TO BE ROUTED CONCEALED IN WALLS, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL EXPOSED CABLES AND CABLES BEHIND INACCESSIBLE CONSTRUCTION (SUCH AS IN WALLS AND ABOVE DRYWALL CEILING) SHALL BE ROUTED IN CONDUIT WHICH IS PROVIDED AND INSTALLED BY THE DIVISION 26 CONTRACTOR. ALL WALL PENETRATIONS SHALL BE SLEEVED WITH CONDUIT.
- THE CONTRACTOR SHALL NOT PULL ANY CABLE THROUGH CONDUITS THAT DO NOT HAVE THE REQUIRED BUSHINGS INSTALLED. CABLE DAMAGED DUE TO BEING INSTALLED THROUGH CONDUITS WITH NO BUSHINGS SHALL BE REPLACED BY THE CONTRACTOR AT NO CHARGE TO THE OWNER.
- THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL PLANS FOR FIRE WALL LOCATIONS, THEN FURNISH AND INSTALL FIRE STOPPING IN ALL TELECOM CONDUITS INCLUDING THOSE WITH CABLES IN THEM AND THOSE TELECOM SLEEVES OR CONDUITS WITHOUT CABLES IN THEM FOR THOSE FIRE WALL LOCATIONS.
- THE TELECOM STRUCTURED CABLES SHALL NOT HAVE PAINT OR PAINT OVERSPRAY ON THE CABLE JACKET WHICH MAY DEGRADE THE PERFORMANCE OF THE CABLES AND VOID THE WARRANTY. CABLES WHICH HAS PAINT ON IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE (IT CANNOT BE CLEANED MECHANICALLY OR WITH SOLVENTS, IT SHALL BE REPLACED).
- THE CONTRACTOR SHALL ARRANGE FOR A PRE-INSTALLATION MEETING WITH THE DIVISION 26 CONTRACTOR FOR REVIEW OF SLEEVE PLACEMENT PRIOR TO ROUGH-IN. THE DIVISION 26 CONTRACTOR SHALL INCLUDE MATERIAL AND LABOR COST FOR AN ALLOWANCE OF 10 EXTRA 2"X2" CONDUIT SLEEVES TO BE USED AS DIRECTED DURING THE PRE-INSTALLATION MEETING OR AS OTHERWISE DIRECTED BY THE DESIGN PROFESSIONAL OR OWNER.

FEH DESIGN

SNYDER & ASSOCIATES

DESIGN ENGINEERS

DES MOINES, IA (515) 288-2000
DUBUQUE, IA (663) 983-4600
SIoux CITY, IA (712) 252-3889
ECONOMOWOC, WI (262) 968-2065

TECHNOLOGY NOTES AND SYMBOLS

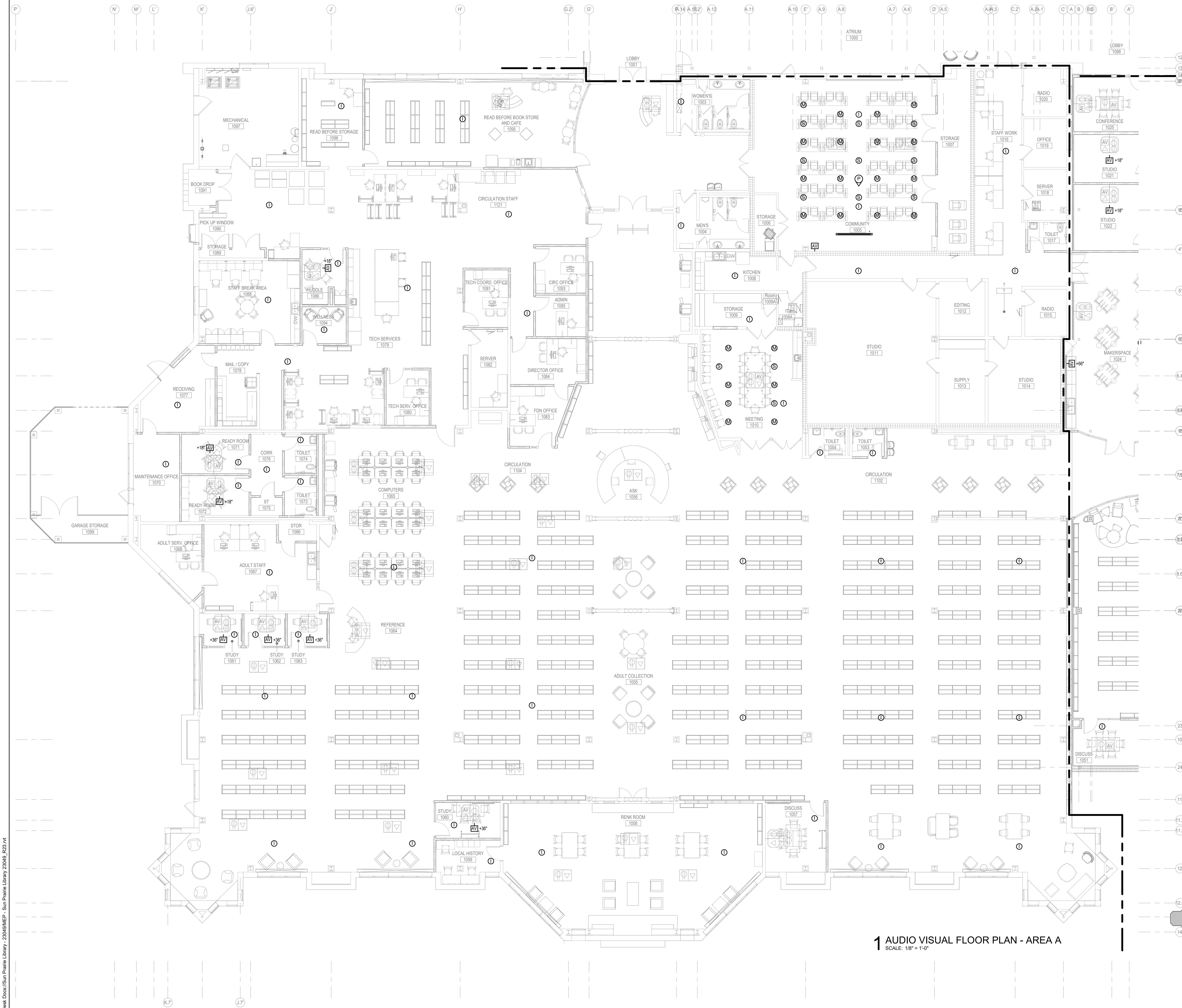
PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED: 12/16/2023
REV. NO. DATE

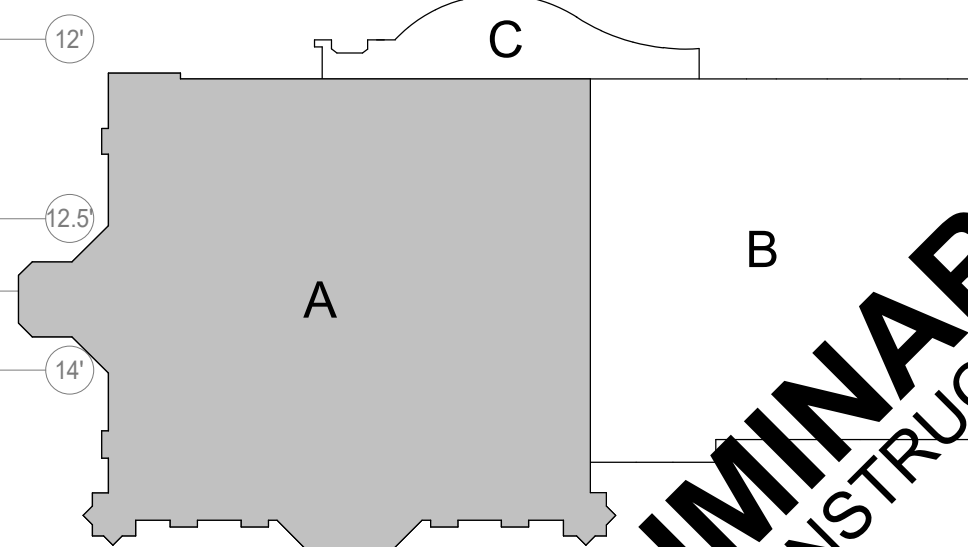
PROJECT NUMBER: 2023402

SHEET: **T5.1**

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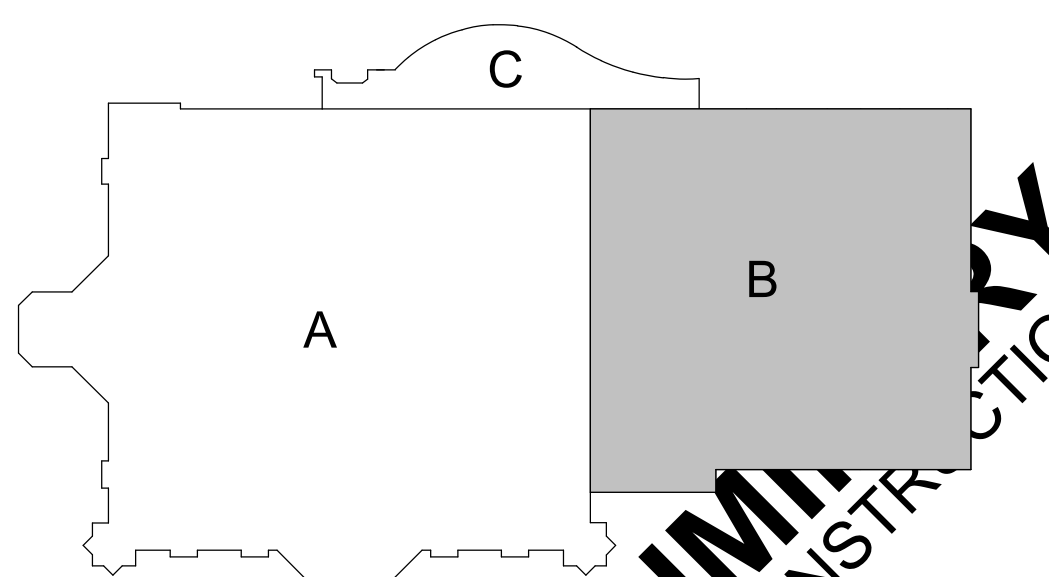
1 AUDIO VISUAL FLOOR PLAN - AREA A
 SCALE: 1/8" = 1'-0"



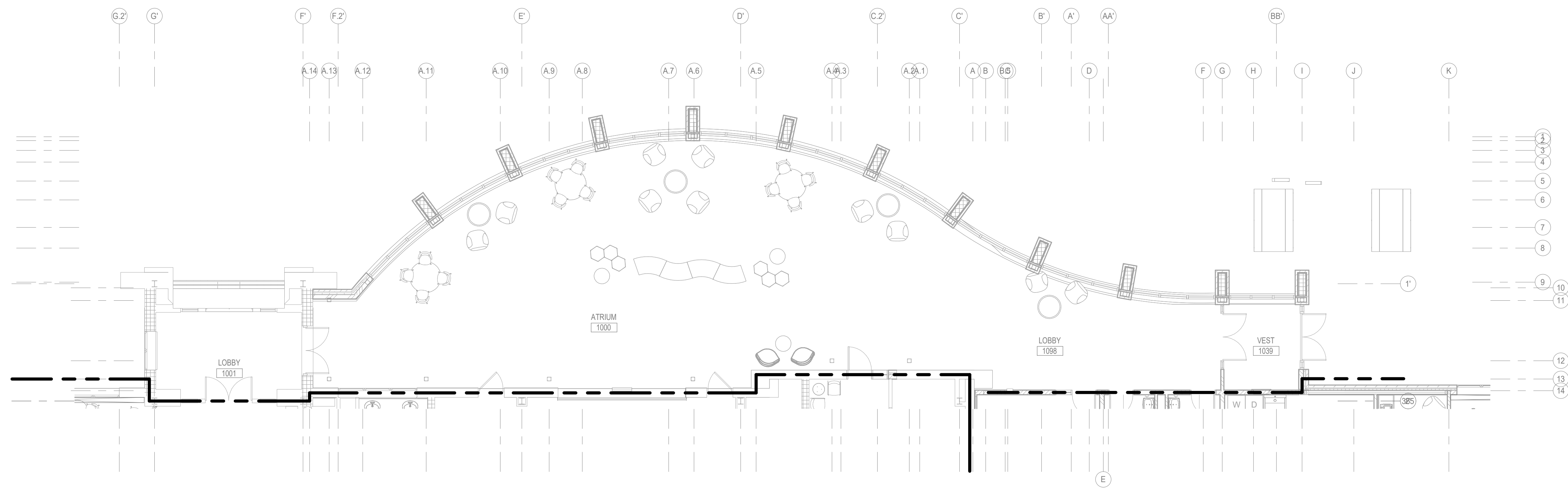
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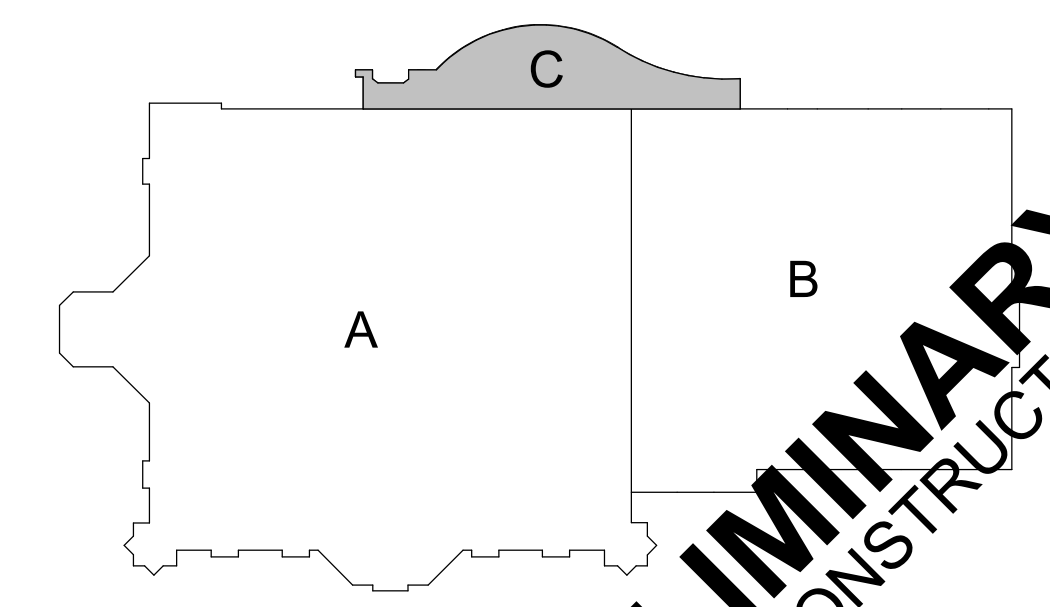
1 AUDIO VISUAL FLOOR PLAN - AREA B
 SCALE: 1/8" = 1'-0"



PRELIMINARY
 NOT FOR CONSTRUCTION



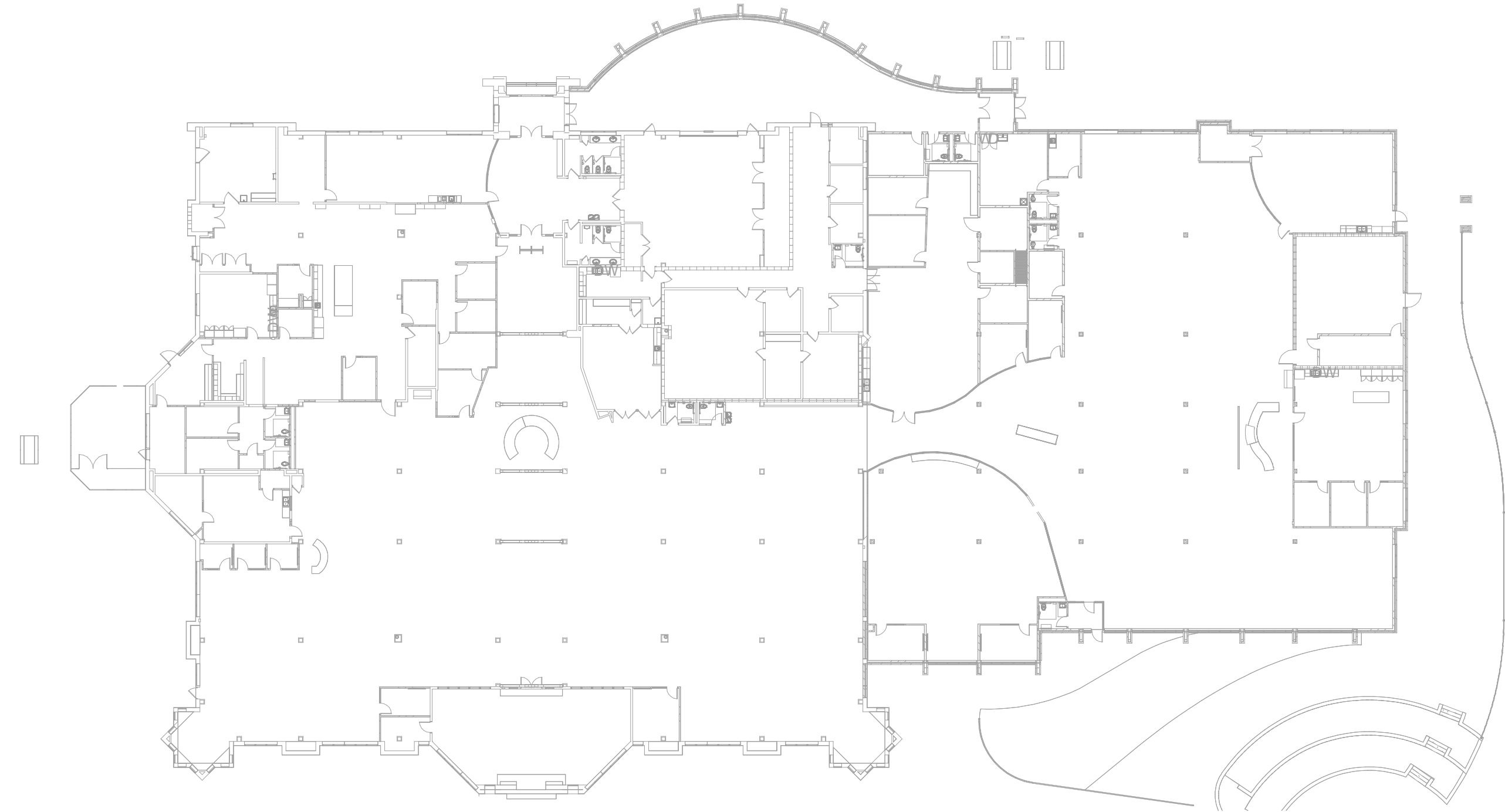
1 AUDIO VISUAL FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



KEY PLAN
PRELIMINARY
NOT FOR CONSTRUCTION

AUDIOVISUAL SCHEDULE					
PLAN MARK	DESCRIPTION	FURNISHED BY	INSTALLED BY	REMARKS	NOTES
	Cable.				
	Cable.				
	Cable.				
Intentional Blank Row					
	Equipment goes here				

Contractor Shall Check Specifications For Possible Further Details



PAGING ZONES

IN ASSOCIATION WITH



SHEET TITLE
AUDIO VISUAL SCHEDULES AND DETAILS

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERTUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
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












PROJECT NUMBER
2023402









SHEET
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



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










FEH DESIGN
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DUBUQUE, IA (663) 583-4500
OCOMOYOC, WI (262) 968-2055





AUDIO VISUAL SYMBOLS
(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)
(NOTE: ALL STANDARD HEIGHT DEVICES 18" AFF TO CENTER OF BOX UNLESS NOTED OTHERWISE)

- *** AUDIO VISUAL DEVICES ***
-  SPEAKER OUTLET - CEILING MOUNTED
X - INDICATES PLAN MARK OF SPEAKER DEVICE. SEE IN SCHEDULE
 -  SPEAKER OUTLET - WALL MOUNTED
X - INDICATES PLAN MARK OF SPEAKER DEVICE. SEE IN SCHEDULE
 -  MICROPHONE OUTLET (DLR ONLY) - IN FLOOR BOX OR CEILING MOUNTED
 -  MICROPHONE OUTLET (DLR ONLY) - WALL MOUNTED
 -  VOLUME CONTROL - WALL MOUNTED
 -  PROJECTOR - CEILING MOUNTED
 -  PROJECTOR - WALL MOUNTED
P - INDICATES MANUAL SCREEN
M - INDICATES MOTORIZED SCREEN
 -  PROJECTION SCREEN - CEILING MOUNTED
P - INDICATES MANUAL SCREEN
M - INDICATES MOTORIZED SCREEN
 -  PROJECTION SCREEN - WALL MOUNTED
P - INDICATES MANUAL SCREEN
M - INDICATES MOTORIZED SCREEN
 -  ELECTRONIC DISPLAY - CEILING MOUNTED
 -  ELECTRONIC DISPLAY - WALL MOUNTED
 -  AUDIO VISUAL ANTENNA
 -  AUDIO VISUAL DEVICE
 -  AUDIO VISUAL DEVICE - WALL MOUNTED

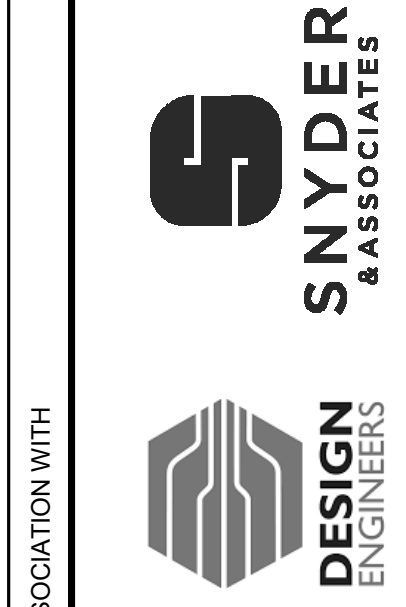
- *** TYPICAL EQUIPMENT ***
-  EQUIPMENT DESIGNATION PER EQUIPMENT SCHEDULE
 -  TECHNOLOGY RACK - 2 POST CLEARANCE BORDER
 -  TECHNOLOGY RACK - 4 POST CLEARANCE BORDER
 -  TECHNOLOGY RACK - SLIDE OUT
 -  TECHNOLOGY RACK - SWING OUT CLEARANCE BORDER
 -  SPECIAL CABINET AS NOTED - SURFACE MOUNTED
 -  SPECIAL CABINET AS NOTED - RECESSED MOUNTED
 -  GROUND BAR

- *** TYPICAL RACEWAYS ***
-  WIRE BASKET
 -  LADDER RACK
 -  SPLINE TRAY
W - INDICATES WIDTH IN INCHES
H - INDICATES HEIGHT IN INCHES
 -  HALF SPLINE TRAY
W - INDICATES WIDTH IN INCHES
H - INDICATES HEIGHT IN INCHES

-  CABLE HOOKS
-  SPLICE CONNECTION FROM EXISTING TO NEW
-  CONDUIT STUB
-  CONDUIT CONTINUATION
-  CONDUIT TURNING UP
-  CONDUIT TURNING DOWN
-  PULL BOX
-  JUNCTION BOX - IN FLOOR BOX OR CEILING
-  JUNCTION BOX - WALL MOUNTED
-  HANDHOLE BOX - IN GROUND
-  FURNITURE FEED
-  FURNITURE FEED - WALL MOUNTED

- *** TYPICAL DEVICES ***
-  FLOOR BOX / POKE THRU WITH SERVICES AS NOTED
 -  WALL BOX WITH SERVICES AS NOTED
 -  ANY WIRING DEVICE WITH THIS SYMBOL INDICATES SURFACE MOUNTED OUTLET BOX
 -  ANY WIRING DEVICE WITH THIS SYMBOL INDICATES WIRELESS NETWORK CAPABILITY

IN ASSOCIATION WITH



SHEET TITLE
AUDIO VISUAL NOTES AND SYMBOLS

PROJECT TITLE
CITY OF SUN PRAIRIE
SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

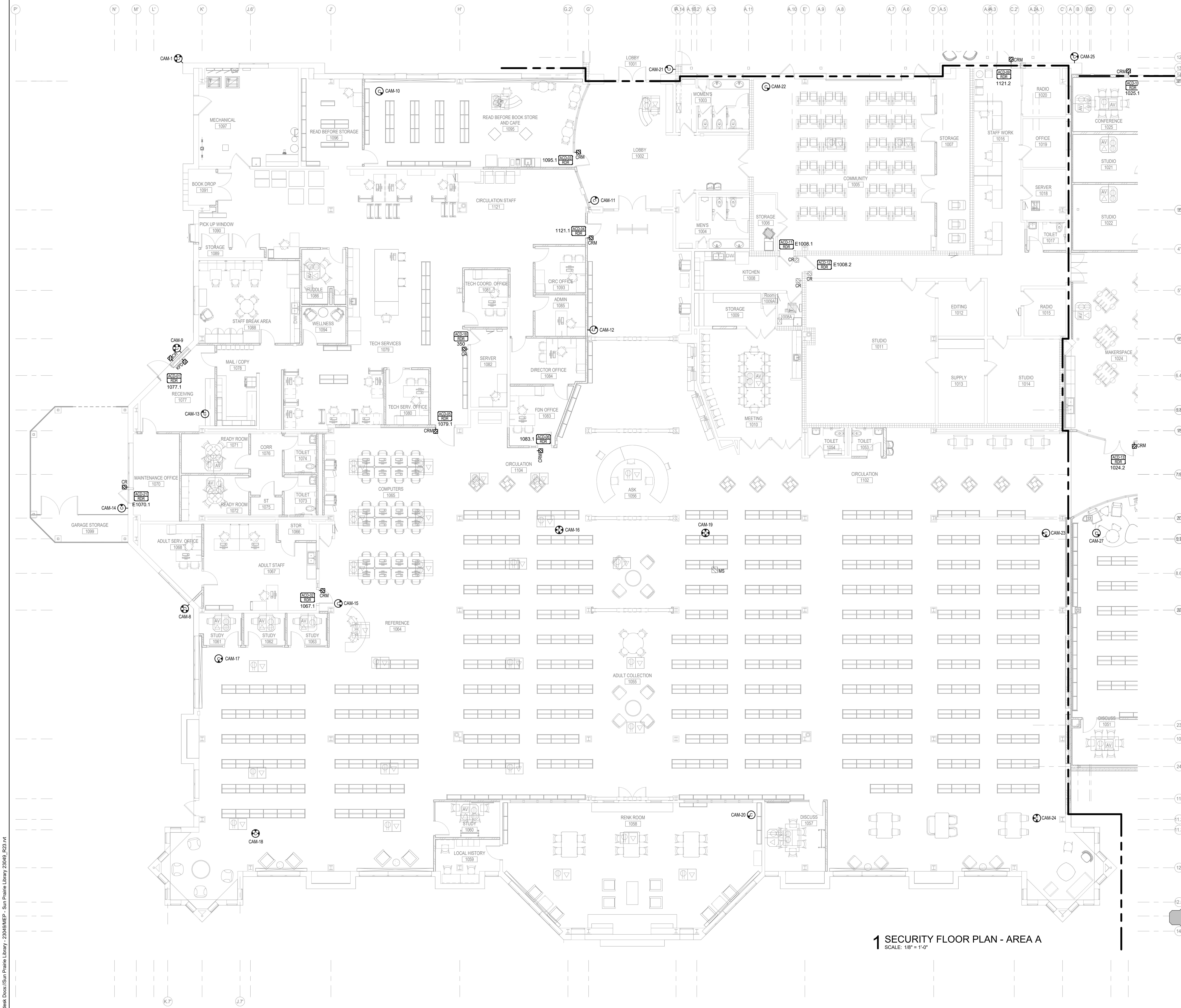
DATE ISSUED 12/16/2023
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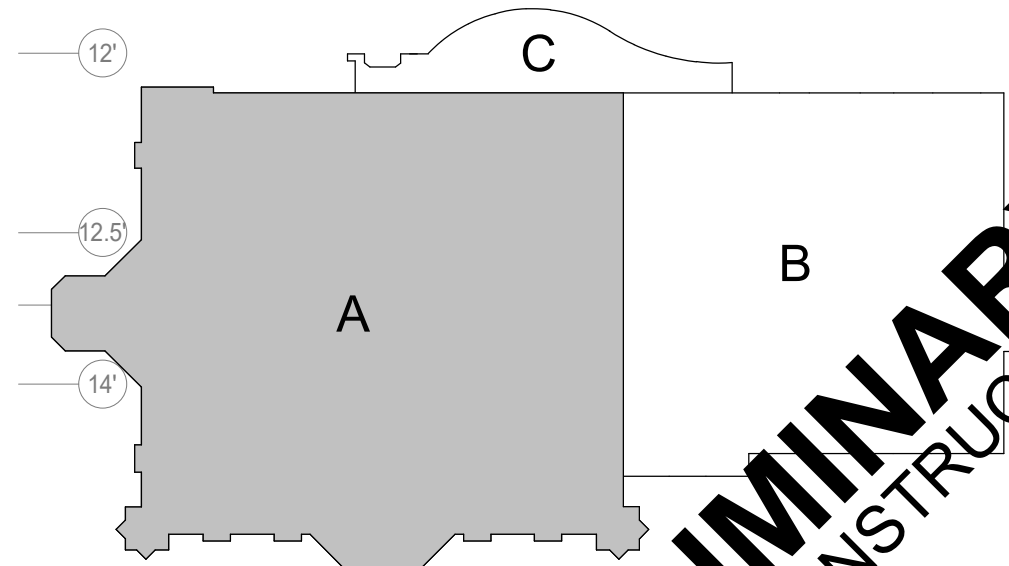
SHEET
TA5.1

FEH DESIGN
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DUBUQUE, IA (663) 983-4600
OCONOMOWOC, WI (262) 968-2055

PRELIMINARY
NOT FOR CONSTRUCTION



1 SECURITY FLOOR PLAN - AREA A
SCALE: 1/8" = 1'-0"



KEY PLAN

PRELIMINARY
NOT FOR CONSTRUCTION

SHEET TITLE
SECURITY FLOOR PLAN - AREA A

PROJECT TITLE
CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
REMODEL AND ADDITION**
1350 LINNERUD DRIVE
SUN PRAIRIE, WI

DATE ISSUED 12/16/2023
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2023402

SHEET
TY1.2

IN ASSOCIATION WITH



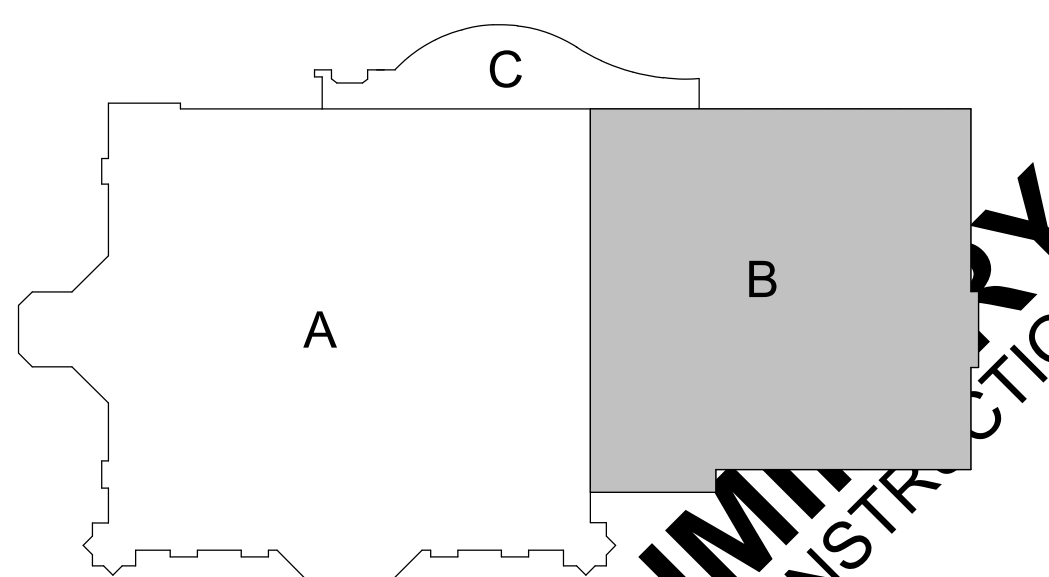
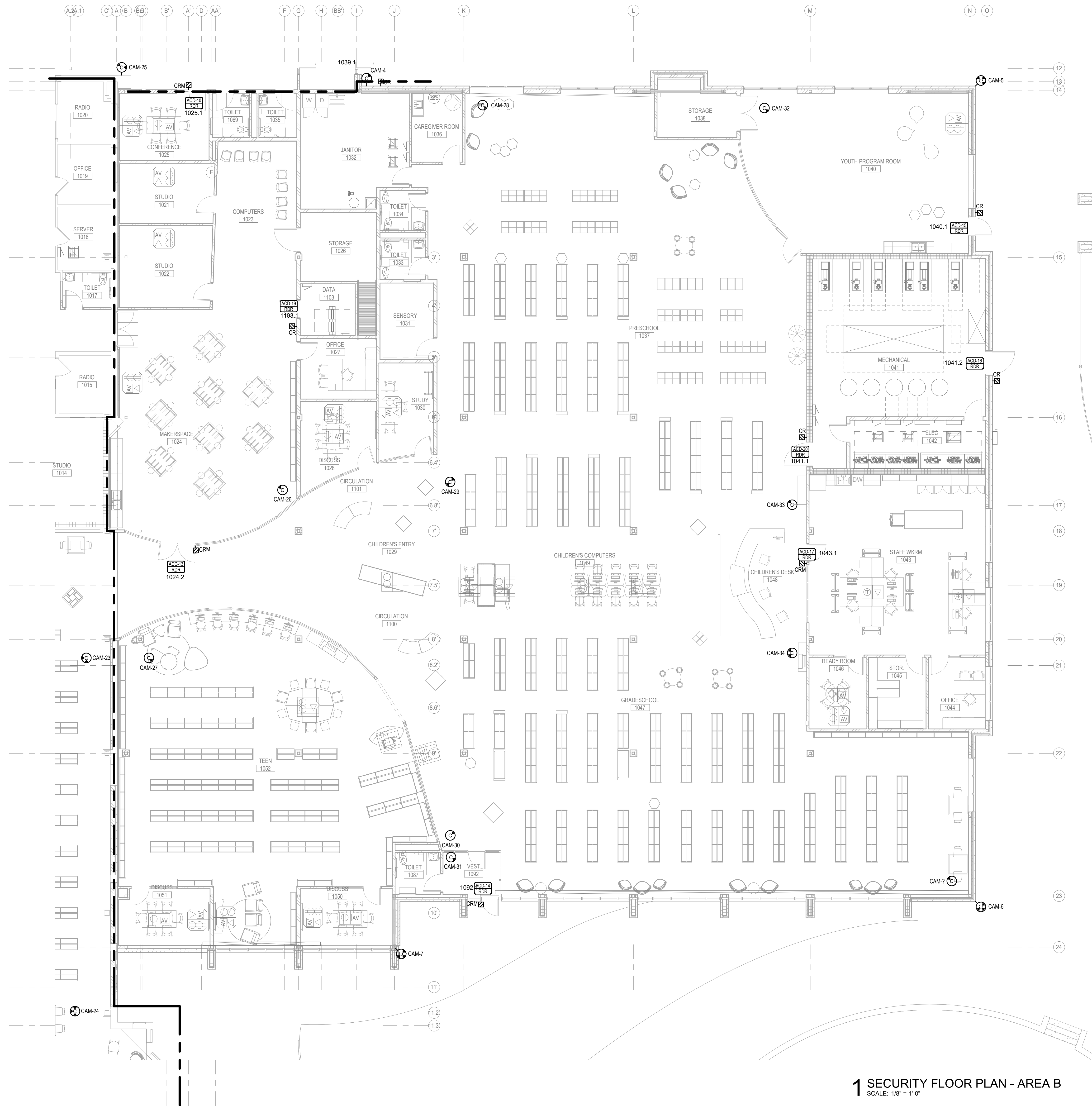
FEH DESIGN

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(712) 252-3889

DES MOINES, IA
(515) 288-2000

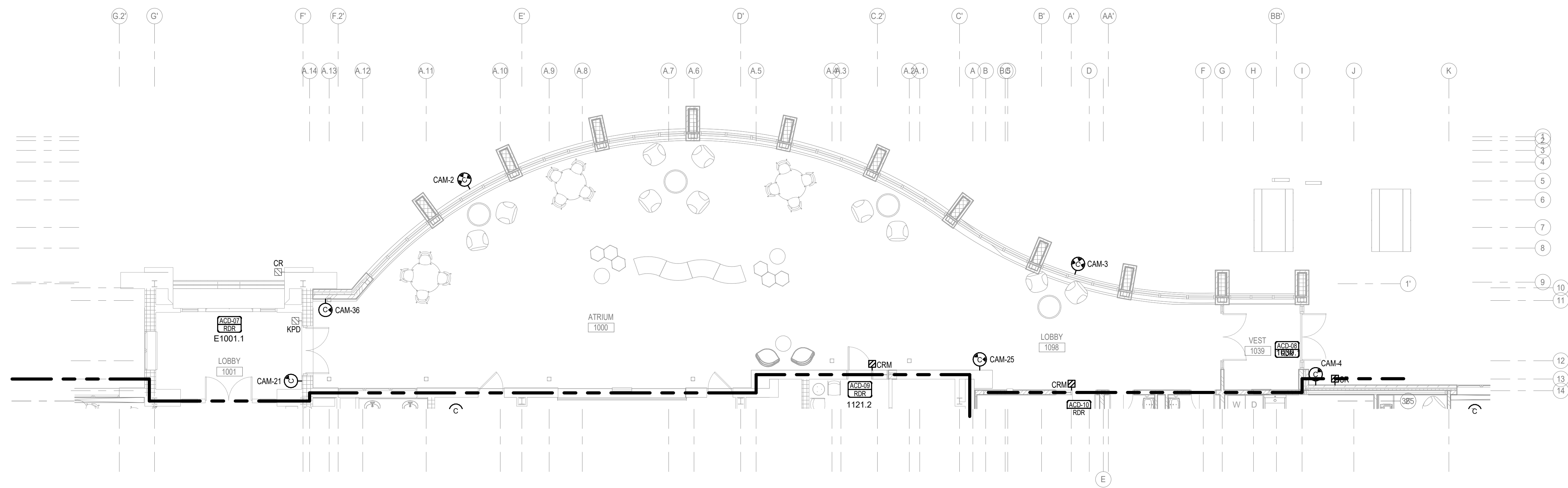
DUBUQUE, IA
(663) 983-4600

OCONOMOWOC, WI
(262) 968-2065

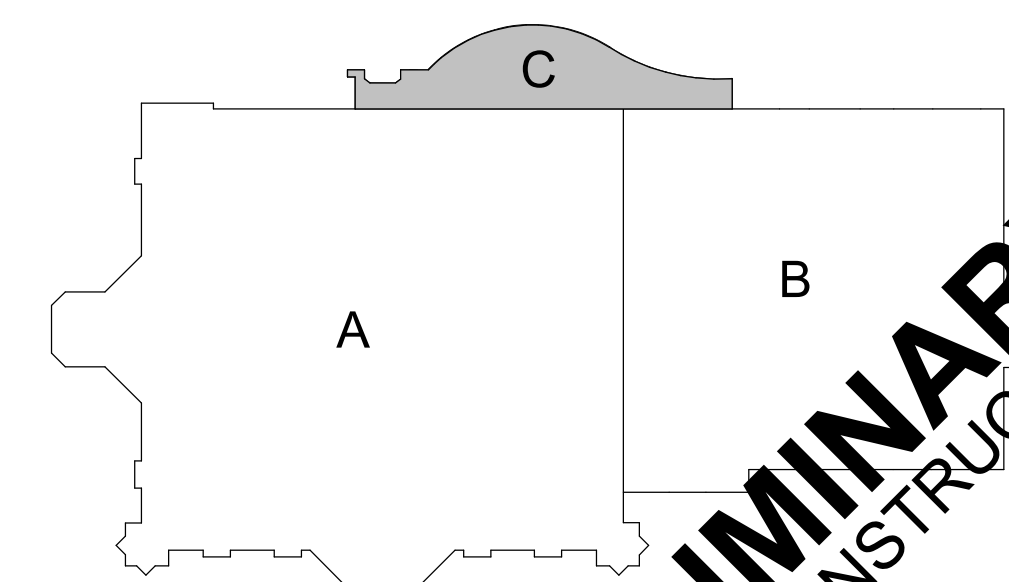


1 SECURITY FLOOR PLAN - AREA B
SCALE: 1/8" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

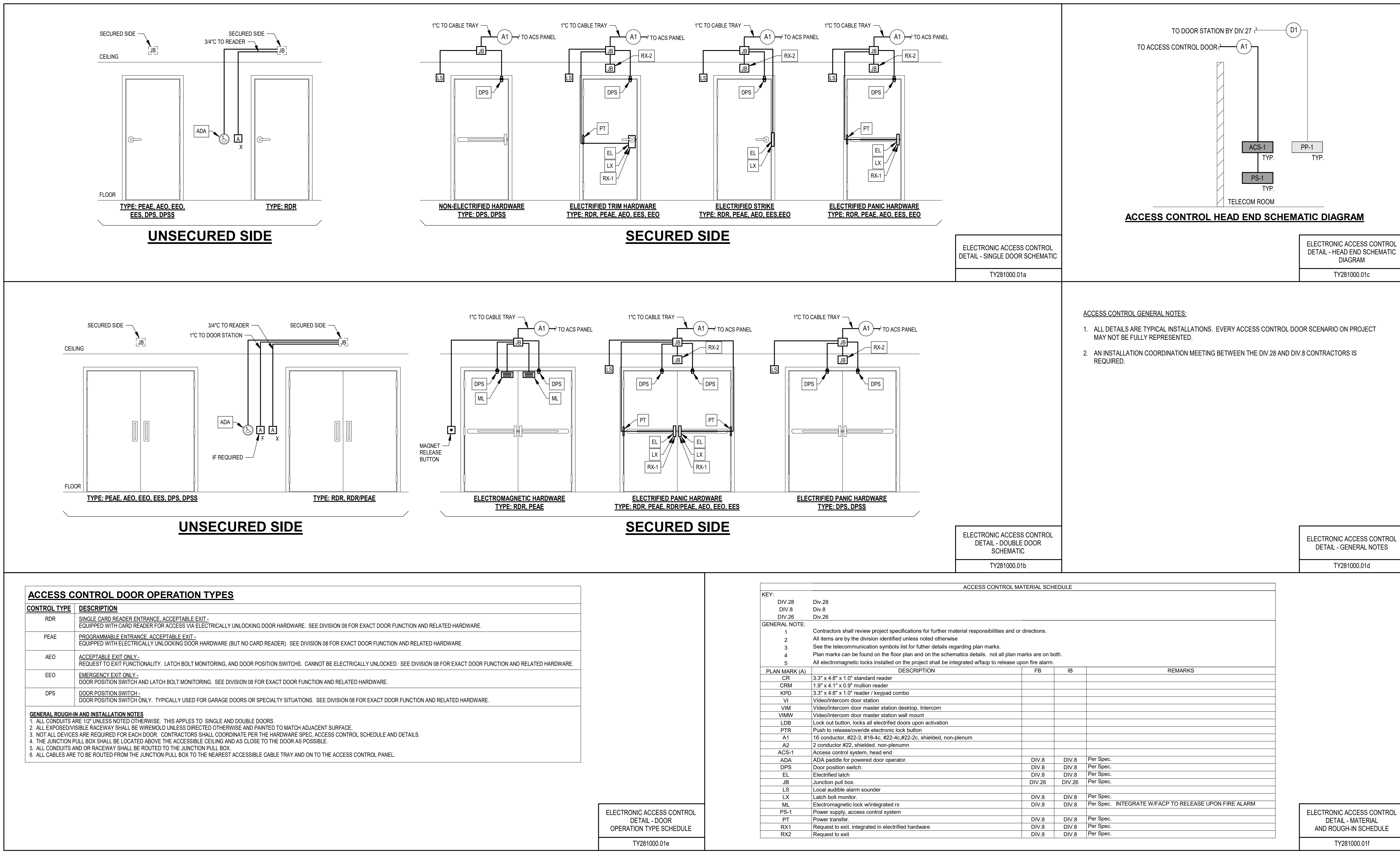


1 SECURITY FLOOR PLAN - AREA C
SCALE: 1/8" = 1'-0"



KEY PLAN
PRELIMINARY
NOT FOR CONSTRUCTION

PRELIMINARY
 NOT FOR CONSTRUCTION



ACCESS CONTROL DOOR SCHEDULE

Key:
 ACC: Access Control Door

General Notes:
 1. Contractor shall check specifications for possible further details.
 2. Contractor shall reference the Electronic Access Control Detail for further details.

Notes:
 1.

PLAN MARK (PREFIX: ACC)	DOOR LOCATION	DOOR #	DOOR TYPE	HEAD END LOCATION	NOTES
01		1077.1	RDR		
02		1067.1	RDR		
03		1065.1	RDR		
04		1121.1	RDR		
05		1079.1	RDR		
06		1083.1	RDR		
07		E1001.1	RDR		
08		1039.1	RDR		
09		1121.2	RDR		
10		1029.1	RDR		
11		E1008.1	RDR		
12		E1008.2	RDR		
13		1024.2	RDR		
14		1092.1	RDR		
15		1040.1	RDR		
16		1041.2	RDR		
17		1043.1	RDR		
18		350	RDR		
19		1103.1	RDR		
20		1041.1	RDR		
21		E1070.1	RDR		

SECURITY SYMBOLS

(NOTE: ALL SYMBOLS SHOWN MAY NOT BE REQUIRED FOR THIS PROJECT)
(NOTE: ALL STANDARD HEIGHT DEVICES TYP. AFF TO CENTER OF BOX UNLESS NOTED OTHERWISE)

*** SECURITY DEVICES ***

TYPICAL DEVICE CLASSIFICATION			
CR	- CARD READER	GBS	- GLASS BREAK SENSOR
CRM	- CARD READER - WALL MOUNTED	REX	- REQUEST TO EXIT
DB	- DURESS BUTTON	PRX	- PUSH TO RELEASE DEVICE
LDB	- LOCK DOWN BUTTON	KPD	- KEYPAD DEVICE
MS	- MOTION SENSOR	VDS	- VIDEO DOOR STATION
CPO	- CONTROL PANEL DEVICE		

SECURITY DEVICE
 [Symbol] X - INDICATES DEVICE CLASSIFICATION REFER TO TYPICAL DEVICE CLASSIFICATIONS NOTED ABOVE.
 # - INDICATES PLAN MARK OF SECURITY DEVICE. SEE SECURITY SCHEDULE

SECURITY DEVICE - WALL MOUNTED
 [Symbol] X - INDICATES DEVICE CLASSIFICATION REFER TO TYPICAL DEVICE CLASSIFICATIONS NOTED ABOVE.
 # - INDICATES PLAN MARK OF SECURITY DEVICE. SEE SECURITY SCHEDULE

ACCESS CONTROL DOOR
 [Symbol] # - INDICATES PLAN MARK. SEE ACCESS CONTROL DOOR SCHEDULE
 xxx - INDICATES DOOR OPERATION TYPE. SEE ACCESS CONTROL DOOR DETAIL

CAMERA - CEILING MOUNTED
 [Symbol] X - INDICATES LENS AIMED OUT
 [Symbol] • - INDICATES LENS AIMED DOWN
 X - INDICATES PLAN MARK. SEE VIDEO SURVEILLANCE SCHEDULE

CAMERA - WALL MOUNTED
 [Symbol] X - INDICATES LENS AIMED OUT
 [Symbol] • - INDICATES LENS AIMED DOWN
 X - INDICATES PLAN MARK. SEE VIDEO SURVEILLANCE SCHEDULE

*** TYPICAL EQUIPMENT ***

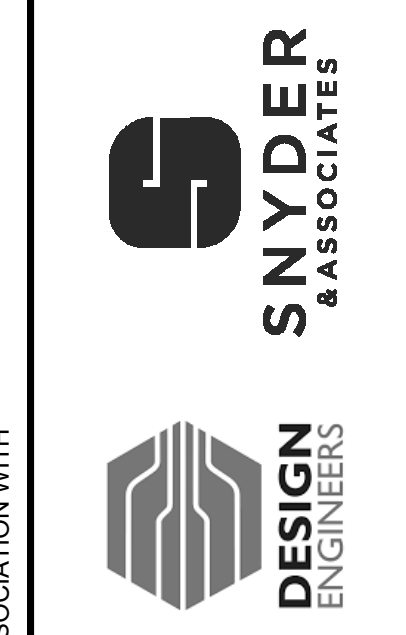
[Symbol]	EQUIPMENT DESIGNATION PER EQUIPMENT SCHEDULE
[Symbol]	TECHNOLOGY RACK - 2 POST --- CLEARANCE BORDER
[Symbol]	TECHNOLOGY RACK - 4 POST --- CLEARANCE BORDER
[Symbol]	TECHNOLOGY RACK - SLIDE OUT
[Symbol]	TECHNOLOGY RACK - SLIDING OUT --- CLEARANCE BORDER
[Symbol]	SPECIAL CABINET AS NOTED - SURFACE MOUNTED
[Symbol]	SPECIAL CABINET AS NOTED - RECESSED MOUNTED
[Symbol]	GROUND BAR

*** TYPICAL RACEWAYS ***

[Symbol]	WIRE BASKET
[Symbol]	LADDER RACK
[Symbol]	SPLINE TRAY W - INDICATES WIDTH IN INCHES H - INDICATES HEIGHT IN INCHES
[Symbol]	HALF SPLINE TRAY W - INDICATES WIDTH IN INCHES H - INDICATES HEIGHT IN INCHES
[Symbol]	CABLE J-HOOKS
[Symbol]	SPLICE CONNECTION FROM EXISTING TO NEW
[Symbol]	CONDUIT STUB
[Symbol]	CONDUIT CONTINUATION
[Symbol]	CONDUIT TURNING UP
[Symbol]	CONDUIT TURNING DOWN
[Symbol]	PULL BOX
[Symbol]	JUNCTION BOX - IN FLOOR BOX OR CEILING
[Symbol]	JUNCTION BOX - WALL MOUNTED
[Symbol]	HANDHOLE BOX - IN GROUND
[Symbol]	FURNITURE FEED
[Symbol]	FURNITURE FEED - WALL MOUNTED

*** TYPICAL DEVICES ***

[Symbol]	FLOOR BOX / POKE THRU WITH SERVICES AS NOTED
[Symbol]	WALL BOX WITH SERVICES AS NOTED
[Symbol]	ANY WIRING DEVICE WITH THIS SYMBOL INDICATES SURFACE MOUNTED OUTLET BOX
[Symbol]	ANY WIRING DEVICE WITH THIS SYMBOL INDICATES WIRELESS NETWORK CAPABILITY



IN ASSOCIATION WITH

SECURITY NOTES AND SYMBOLS

PROJECT TITLE: CITY OF SUN PRAIRIE
**SUN PRAIRIE PUBLIC LIBRARY
 REMODEL AND ADDITION**
 1350 LINNERUD DRIVE
 SUN PRAIRIE, WI

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