

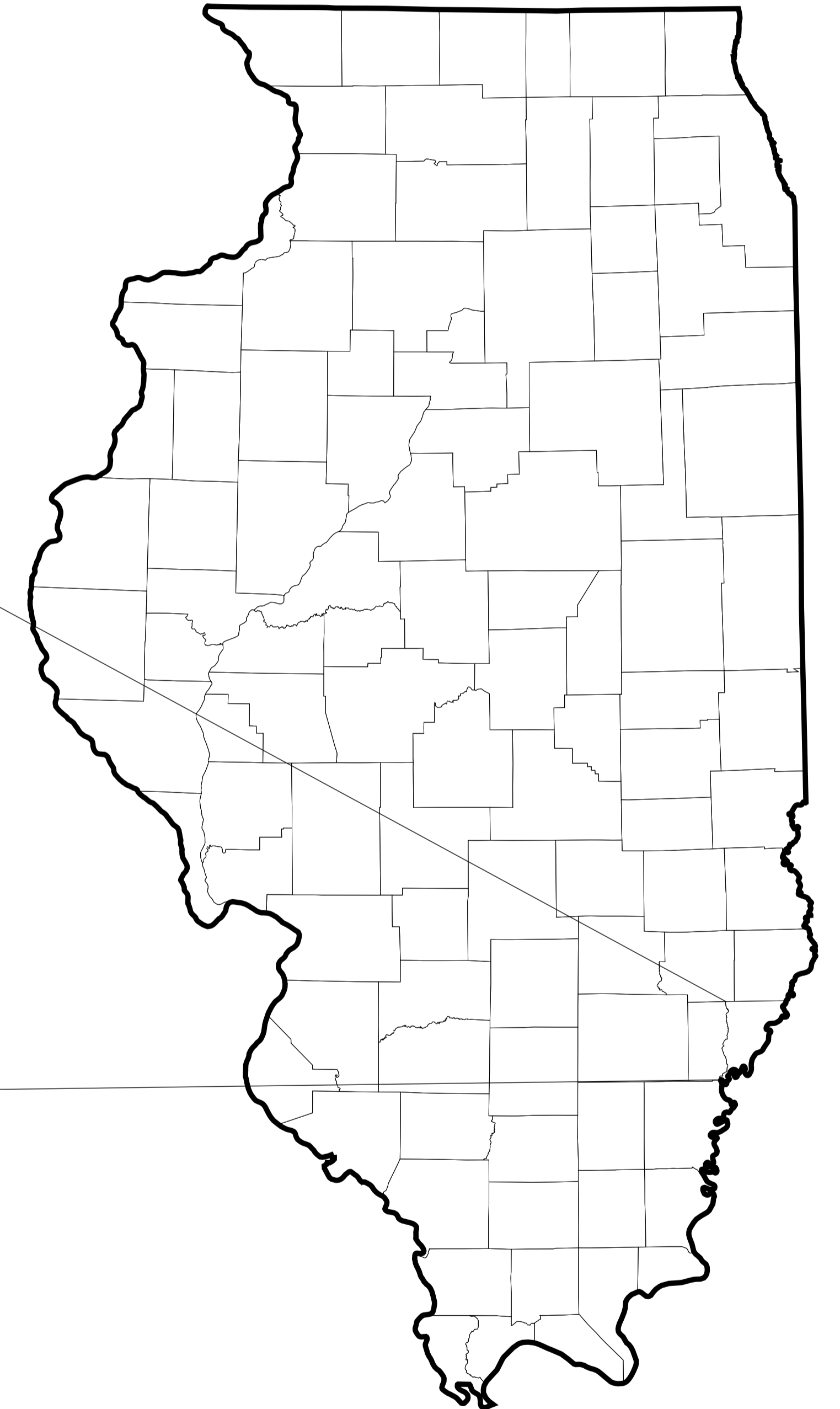
ATHLETIC TRAINING FACILITY WABASH VALLEY COLLEGE 2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863



200 N. Market Street
Marion, Illinois 62959
618.998.0075 t
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PROJECT LOCATION



UTILITY OWNERS

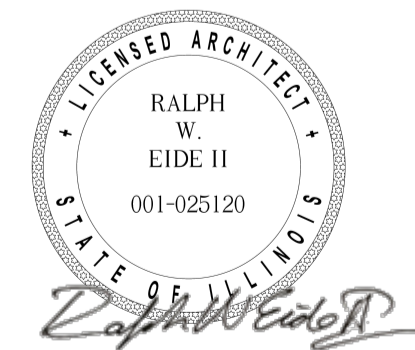
ELECTRIC/GAS: MT. CARMEL PUBLIC UTILITY CO.
316 N. MARKET ST., MT. CARMEL, IL, 62863
PH: (618) 262-5151

SEWER/WATER: MOUNT CARMEL PUBLIC WORKS DEPARTMENT
602 E. FIFTH STREET
PH: (618) 262-4822

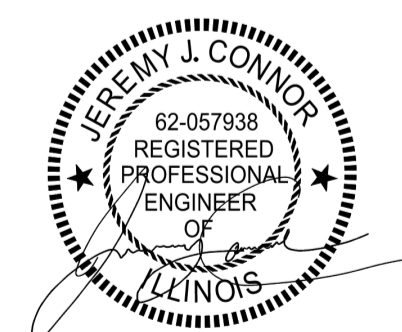
COMMUNICATIONS: WABASH COMMUNICATIONS CO-OP
PH: (618) 665-3311

FRONTIER
PH: 1-877-6646518

SPARKLIGHT:
PH: 1-844-546-3278



RALPH W. EIDE, AIA.
DATE: 04-23-2024
LICENSE EXPIRES: 11-30-2024



JEREMY CONNOR, P.E.
DATE: 04-23-2024
LICENSE EXPIRES: 11-30-2025



MATTHEW J. KAHN, P.E.
DATE: 04-23-2024
LICENSE EXPIRES: 11-30-2025



ZACH W. CARTER, P.E.
DATE: 04-23-2024
LICENSE EXPIRES: 11-30-2025

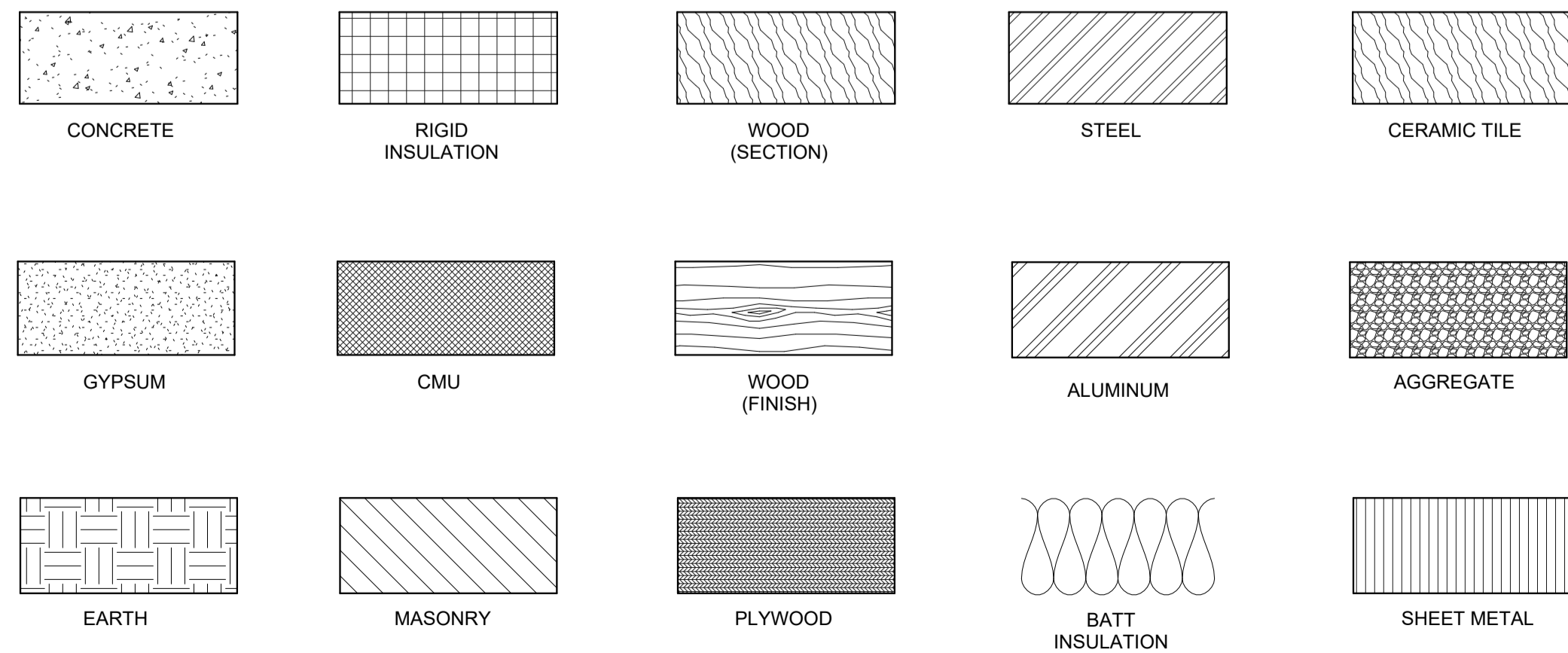
DATE: 04/23/2024

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395-3272

ABBREVIATIONS

ABV	ABOVE	GA	GAUGE	TB	TILE BASE
ACC	ACCESS	GFCI	GROUND FAULT CIRCUIT	T.O	TOP OF
ACT	ACOUSTICAL CEILING TILE	GWB	GYPSPUM WALL BOARD	TYP	TYPICAL
ACU	AIR CONDITIONING UNIT	GYP	GYPSPUM		
ADJ	ADJACENT			UH	UNIT HEATER
ADJT	ADJUSTABLE	HC	HOLLOW CORE		
AFF	ABOVE FINISH FLOOR	HM	HOLLOW METAL	VA	VOLT AMPS
AHU	AIR HANDLING UNIT	HP	HORSEPOWER	VB	VAPOR BARRIER
ALT	ALTERNATE, ALTERNATIVE	HORIZ	HORIZONTAL	VTR	VENT THROUGH ROOF
ALUM	ALUMINUM	HSS	STRUCTURAL TUBE		
AMPS	AMPERES	HT	HEIGHT	WD	WOOD
AUTO	AUTOMATIC	HTG	HEATING	WF	WALL FINISH
		HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	WH-X	WATER HEATER
			HOT WATER SUPPLY	WP	WATER PROOFING
BD	BOARD			W/	WITH
BLDG	BUILDING			W/O	WITHOUT
B.O.	BOTTOM OF				
BTUH	BRITISH THERMAL UNIT PER HOUR	IN	INCH		
		INS	INSULATE (D), (ION)		
BTWN	BETWEEN	INT	INTERIOR		
CASS	CASSETTE	JT	JOINT		
CF	CUBIC FOOT				
CFL	COUNTERFLASHING	KPL	KICKPLATE		
CFS	COLD FORMED STEEL				
CFM	CUBIC FEET PER MINUTE	L	LENGTH		
CJ	CONTROL JOINT	LL	LIVE LOAD		
CLG	CEILING	LLC	LOCAL LIGHTING CONTROLLER		
CMU	CONCRETE MASONRY UNIT	LT	LIGHT		
CO	CLEAN OUT				
COL	COLUMN				
CONC	CONCRETE	M/MECH	MECHANICAL		
CONST	CONSTRUCTION	MAX	MAXIMUM		
CONT	CONTINUOUS	MBH	1,000 BTU/hr.		
CONTR	CONTROLLER BOX	MED	MEDIUM		
COTF	CLEAN OUT TO FLOOR	MEZZ.	MEZZANINE		
COTG	CLEAN OUT TO GRADE	MFG	MANUFACTURE (ER)		
COTW	CLEAN OUT TO WALL	MIN	MINIMUM		
CPT	CARPET (ED)	MISC	MISCELLANEOUS		
CS	COUNTERSINK	MO	MASONRY OPENING		
CSBA	COLOR SELECTED BY ARCHITECT	MOV	MOVABLE		
		MP	METAL PANEL		
CT	CARPET TILE	MT	MOUNT (ED), (ING)		
CU-X	CONDENSER UNIT	MTL	METAL		
CWS	COLD WATER SUPPLY				
		No	NUMBER		
		NOM	NOMINAL		
DBL	DOUBLE				
DEG	DEGREES				
DEMO	DEMOLISH, DEMOLITION	OAU.	OUTDOOR AIR UNIT		
DIAG	DIAGONAL	O.C.	ON CENTER		
DIAM	DIAMETER	OH	OVERHEAD		
DIM	DIMENSION	OS	OCCUPANCY SENSOR		
DISP.	DISPENSER	OPP	OPPOSITE		
DIV	DIVISION	OWSJ	OPEN WEB STEEL JOIST		
DR	DOOR				
DS	DOWNSPOUT				
DT	DRAINTILE	PEMB	PRE-ENGINEERED METAL BUILDING		
DWG	DRAWING				
		PP	POWER PACK		
EL	EMERGENCY LIGHT	PS	PULL SWITCH		
ELEC	ELECTRIC (AL)	PT	PAINT (ED)		
ERV	EMERGENCY RECOVERY VENTILATION				
EXG	EXISTING	RB	RUBBER BASE		
		RF	RUBBER FLOORING		
		RM	ROOM		
F	DEGREES FAHRENHEIT	RO	ROUGH OPENING		
FA	FIRE ALARM	RR	RESTROOM		
FACP	FIRE ALARM CONTROL PANEL	RTU	ROOF TOP UNIT		
FC	FAN COIL				
FD	FLOOR DRAIN	SHT	SHEET		
F.F.	FINISHED FLOOR	SIM	SIMILAR		
FDN	FOUNDATION	SL	SEALER		
FP	FIREPROOF	SS	STAINLESS STEEL		
FR	FRAME	STS	STANDING SEAM		
FT	FEET	STL	STEEL		
FTG	FOOTING	STO.	STORAGE		
		STR	STRUCTURE		



SHEET INDEX

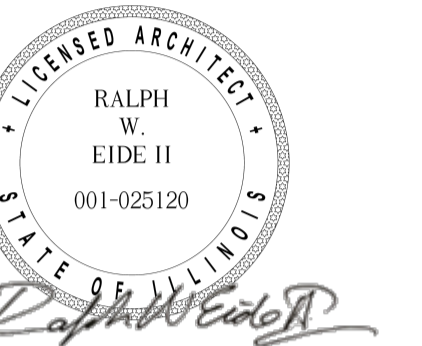
SHEET NUMBER	SHEET NAME
GENERAL	
G-001	COVER SHEET
G-002	ABBREVIATIONS, INDEX, NOTES, AND ANNOTATIONS
CIVIL	
C-001	GENERAL NOTES
C-100	DEMO
C-101	SITE PLAN
C-102	SITE PLAN CONNECTIONS
C-103	SANITARY SEWER FORCEMAIN PROFILE
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STRUCTURAL	
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P-101	PLUMBING FLOOR PLAN
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E-102	STORAGE PLAN - ELECTRICAL LIGHTING
E-111	FLOOR PLAN - ELECTRICAL POWER
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E-302	ELECTRICAL DETAILS
E-400	ELECTRICAL DIAGRAMS
E-500	ELECTRICAL SCHEEDULES
E-600	ELECTRICAL PANEL SCHEDULES



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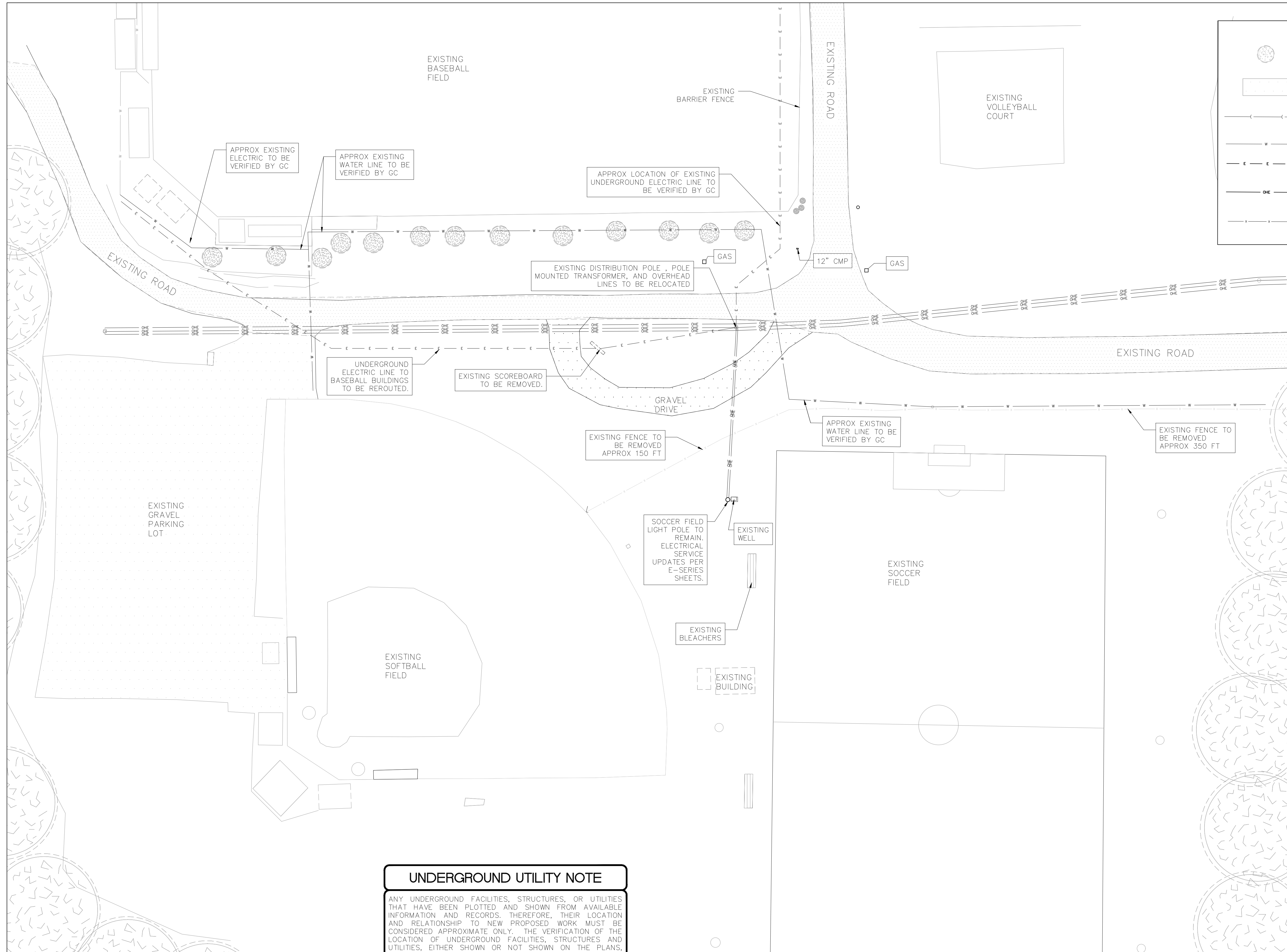
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ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RWE

ABBREVIATIONS,
INDEX, NOTES, AND
ANNOTATIONS

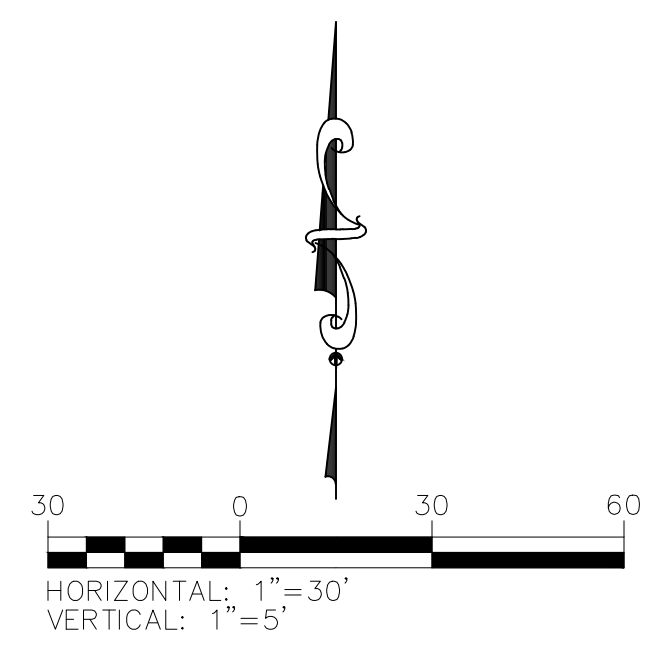
G-002



	EXISTING LANDSCAPE
	EXISTING ROAD
	EXISTING SAN SEWER
	EXISTING 12" WATER
	EXISTING ELECTRIC
	EXISTING OVERHEAD ELECTRIC
	EXISTING FENCE

UNDERGROUND UTILITY NOTE

ANY UNDERGROUND FACILITIES, STRUCTURES, OR UTILITIES THAT HAVE BEEN PLOTTED AND SHOWN FROM AVAILABLE INFORMATION AND RECORDS. THEREFORE, THEIR LOCATION AND RELATIONSHIP TO NEW PROPOSED WORK MUST BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE LOCATED PRIOR TO ANY WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL THE LOCAL GOVERNING AGENCIES AND UTILITY COMPANIES PRIOR TO CONSTRUCTION TO DETERMINE THEIR UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES EXACT LOCATION AND THE EXISTENCE OF ANY NOT SHOWN. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AND THE OWNER AS TO THE RELOCATION OR REMOVAL OF ANY UTILITIES SHOWN OR NOT SHOWN. THE ENGINEER/ARCHITECT AND THE OWNER DO NOT WARRANT OR GUARANTEE THE COMPLETENESS OR THE CORRECTNESS OF THE INFORMATION GIVEN.



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SIGNATURE *Jeremy J. Connor* 04-23-2024
 DATE 11-30-2025
 LICENSE EXPIRES

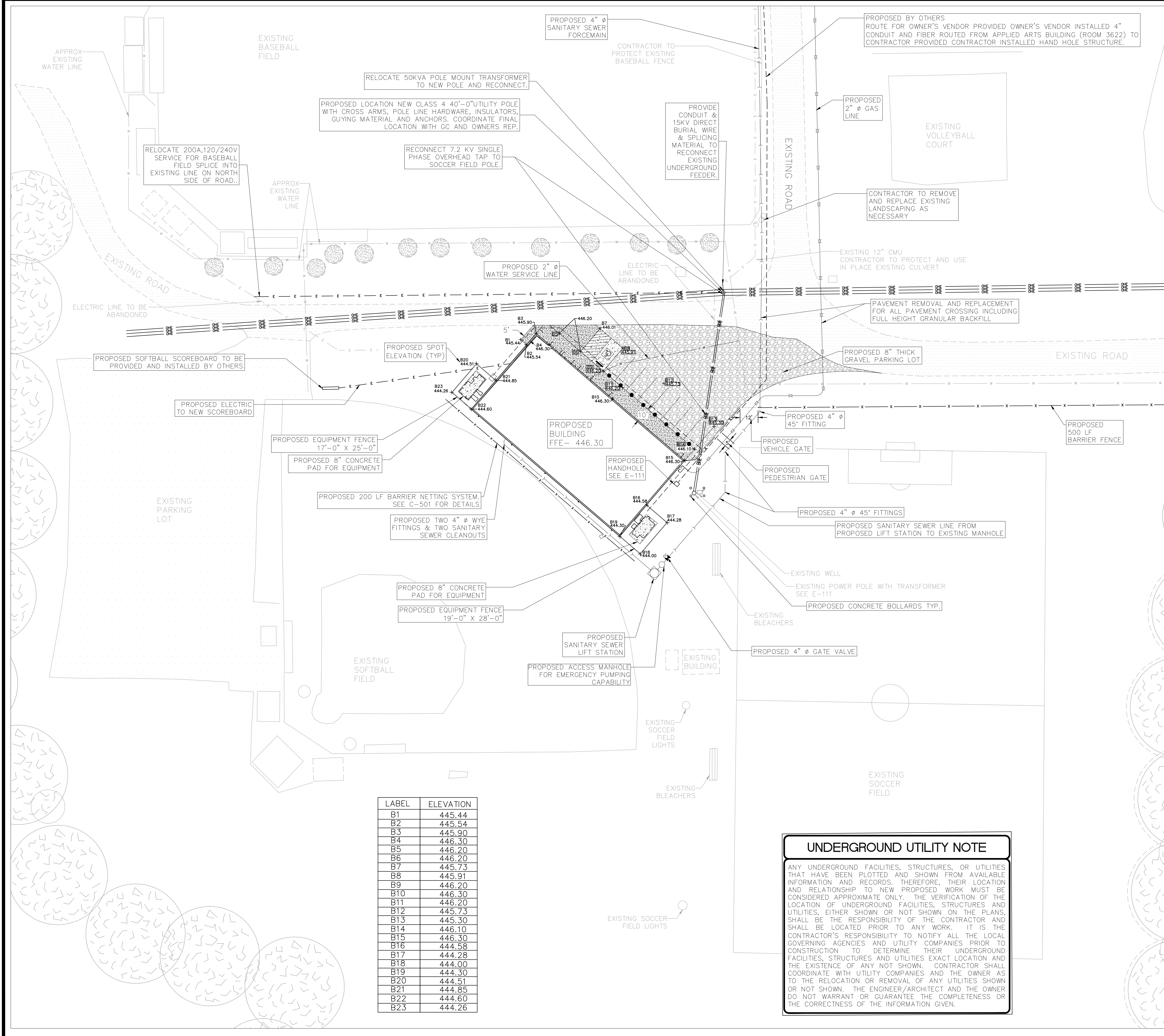
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MK.	DATE	DESCRIPTION

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DEMO

C 100



LABEL	ELEVATION
B1	445.44
B2	445.54
B3	445.90
B4	446.30
B5	446.20
B6	446.20
B7	445.73
B8	445.91
B9	446.20
B10	446.30
B11	446.20
B12	445.73
B13	445.30
B14	446.10
B15	446.30
B16	444.58
B17	444.28
B18	444.00
B19	444.30
B20	444.51
B21	444.85
B22	444.60
B23	444.26

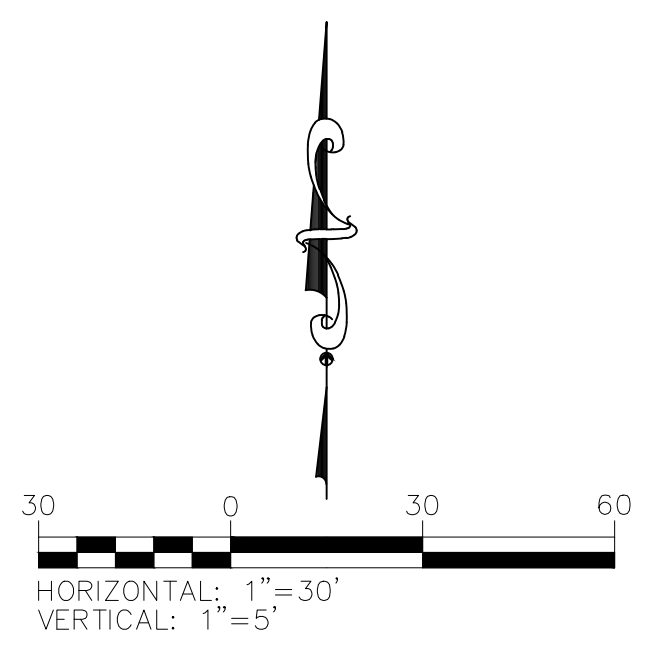
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LEGEND

- EXISTING LANDSCAPE
- EXISTING ROAD
- EXISTING SAN SEWER
- EXISTING 12" WATER
- EXISTING ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- PROPOSED GATE
- PROPOSED FENCE
- PROPOSED GAS LINE
- PROPOSED WATER SERVICE
- PROPOSED SAN SEWER
- PROPOSED ELECTRIC
- PROPOSED 4" REINFORCED SIDEWALK
- PROPOSED 8" GRAVEL PARKING LOT
- PROPOSED 6" VAN ACCESSIBLE ADA CONCRETE PARKING AREA
- PROPOSED WHEEL STOP
- PROPOSED SIGN
- PROPOSED BOLLARDS
- SCOREBOARD TO BE SUPPLIED AND INSTALLED BY OTHERS

- NOTES:
- SLOPE ALL GRADES AWAY FROM BUILDING AT MINIMUM SLOPE OF 1% AND MEET ALL STANDARD ADA REQUIREMENTS
 - OVERHEAD ELECTRIC LINES TO FOLLOW NESC CODES REGARDING REQUIRED CLEARANCES.
 - PROPOSED ELECTRIC TO SCOREBOARD, SUPPLIED BY OTHERS, VERIFY WITH OWNER ON LOCATION FOR ELECTRICAL HOOK UP



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JEREMY J. CONNOR
62-057938
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

SIGNATURE 04-23-2024
DATE 11-30-2025
LICENSE EXPIRES

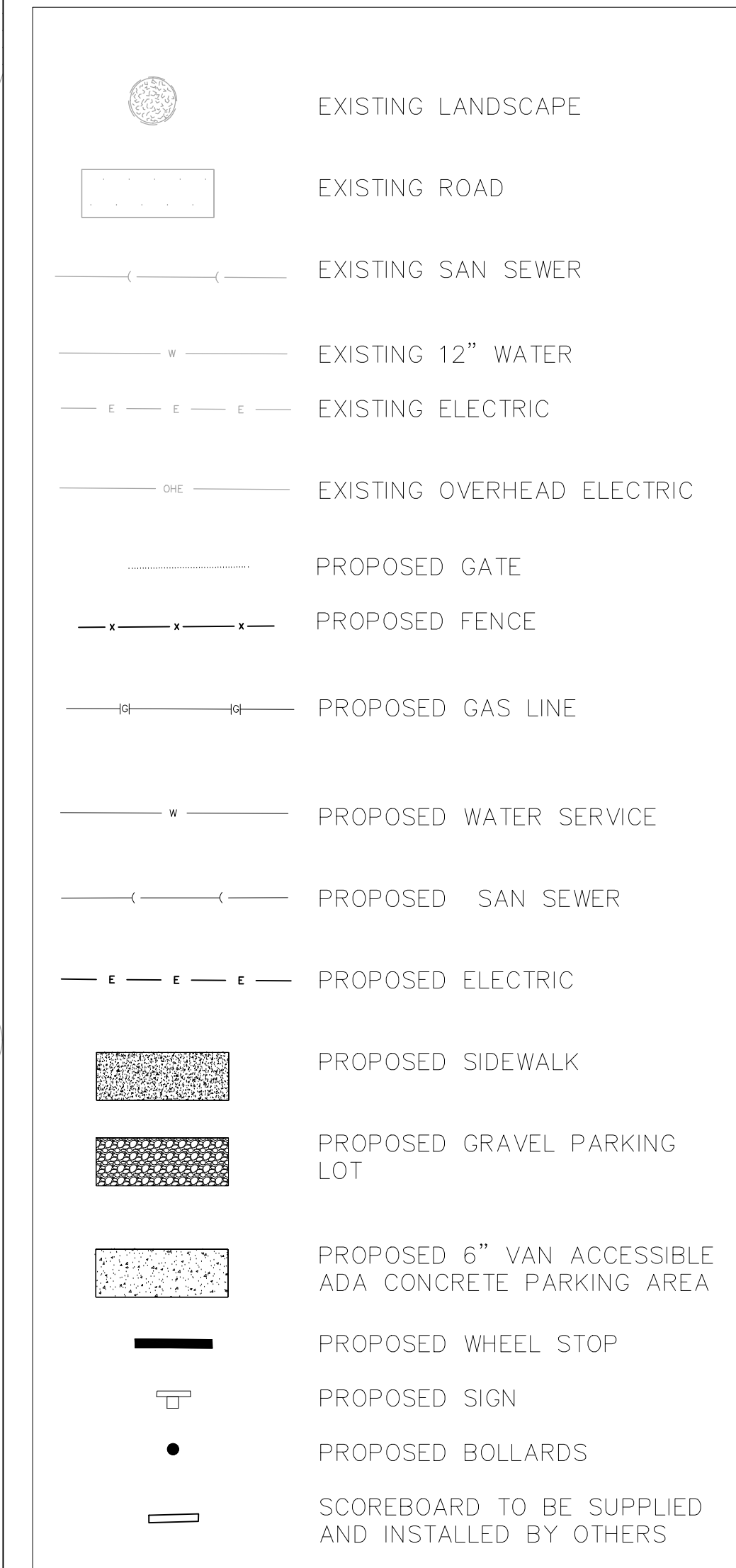
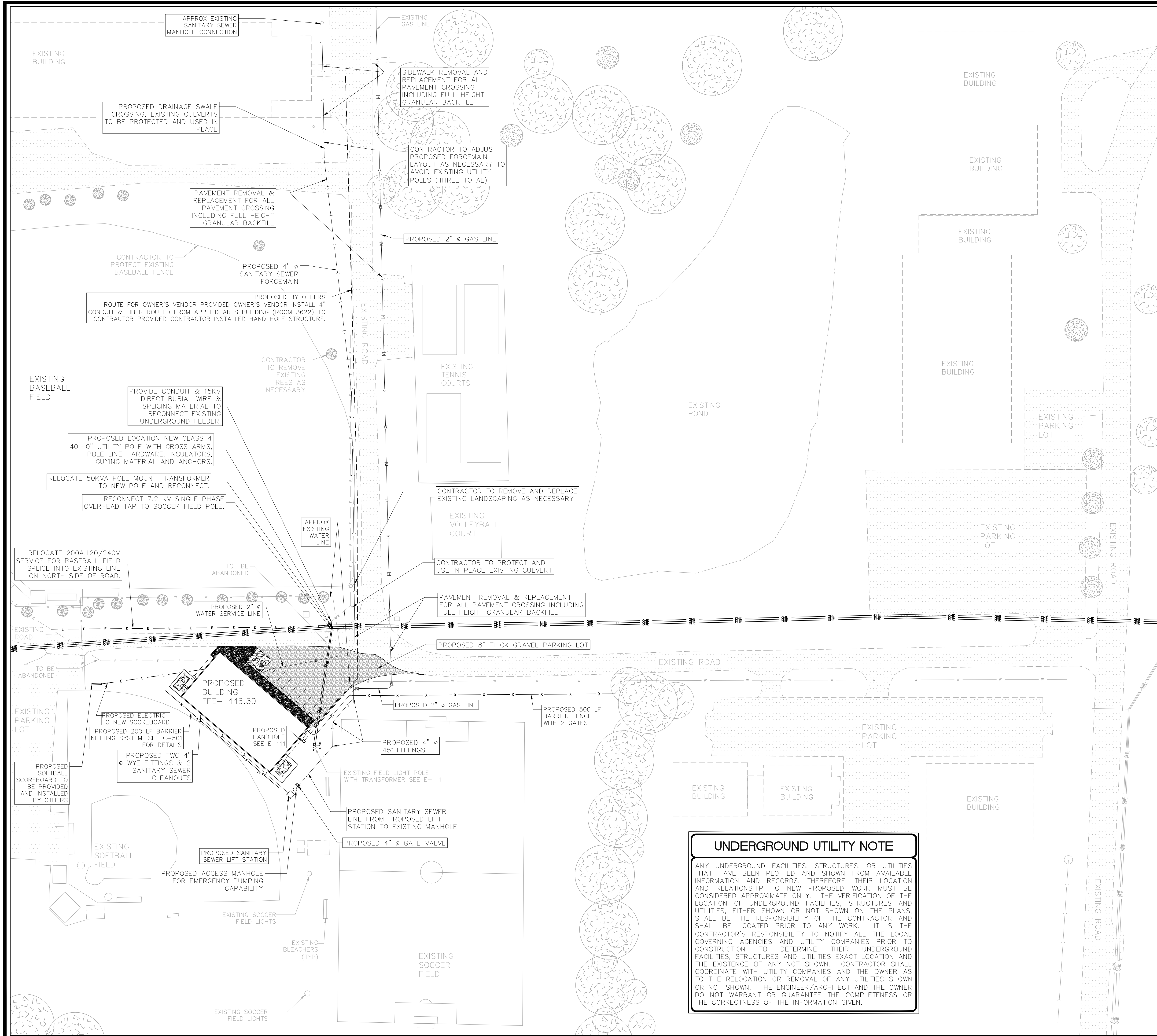
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ILLINOIS EASTERN COMMUNITY COLLEGES**

MK.	DATE	DESCRIPTION

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SITE PLAN

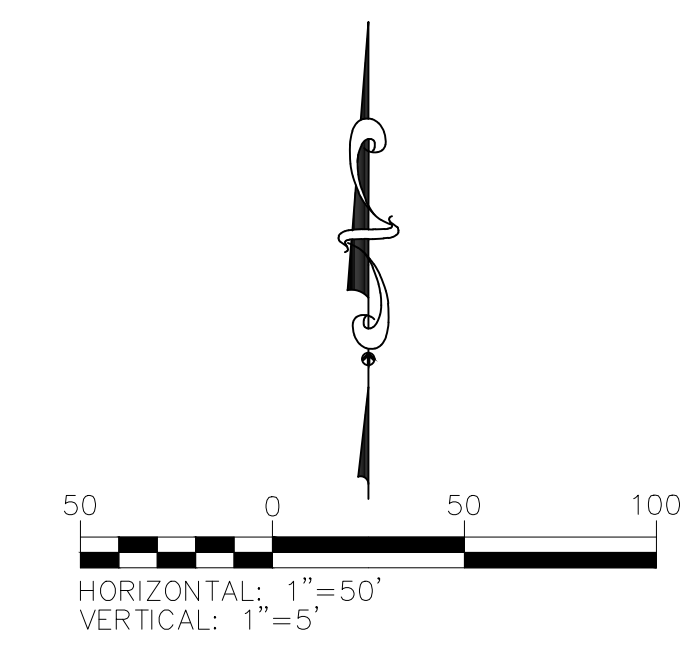
C 101



- NOTES:
1. SLOPE ALL GRADES AWAY FROM BUILDING AT MINIMUM SLOPE OF 1% AND MEET ALL STANDARD ADA REQUIREMENTS
 2. OVERHEAD ELECTRIC LINES TO FOLLOW NESC CODES REGARDING REQUIRED CLEARANCES.
 3. PROPOSED ELECTRIC TO SCOREBOARD, SUPPLIED BY OTHERS, VERIFY WITH OWNER ON LOCATION FOR ELECTRICAL HOOK UP

UNDERGROUND UTILITY NOTE

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REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
 SIGNATURE: [Signature]
 DATE: 11-30-2025
 LICENSE EXPIRES: 04-23-2024

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SITE PLAN CONNECTIONS

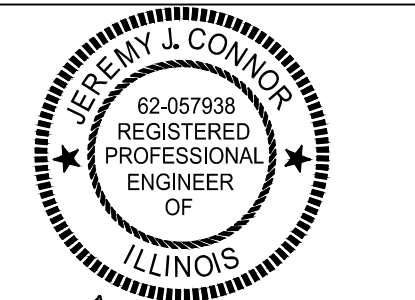
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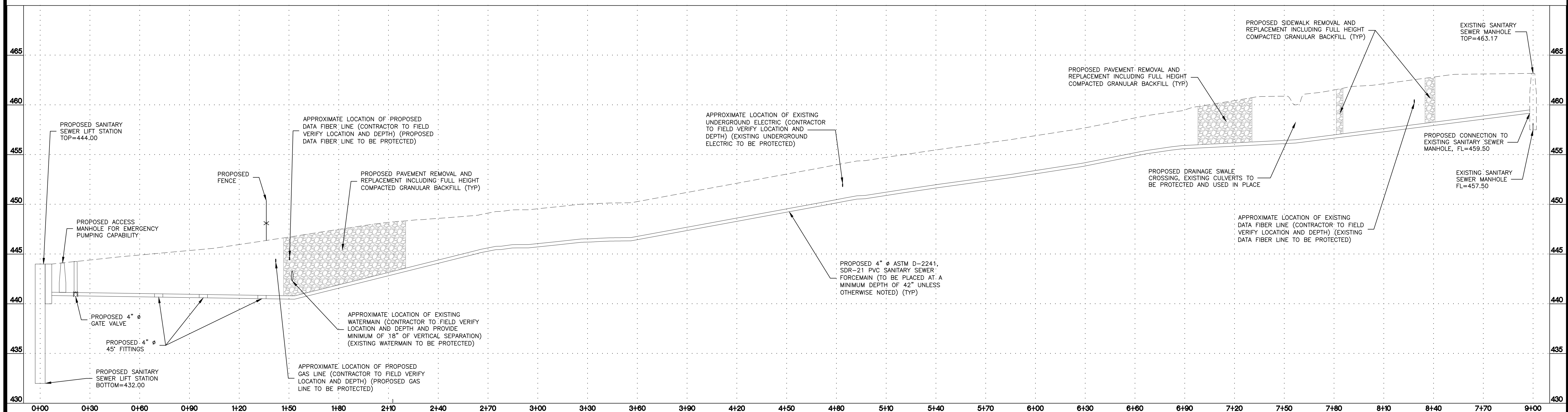
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DATE 04-23-2024

DATE 11-30-2025
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SANITARY SEWER FORCEMAIN PROFILE
HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 5'

GENERAL NOTES:

1. ALL IMPROVEMENTS AND APPURTENANCES METHOD OF CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF ALL LOCAL GOVERNING AGENCIES, ILLINOIS EASTERN COMMUNITY COLLEGES, IEPA, ASTM, AND IDOT.
2. UTILITY LOCATIONS AND ELEVATIONS ARE APPROXIMATE. IT IS THE CONTRACTOR RESPONSIBILITY TO FIELD VERIFY ALL UTILITIES.
3. CONTRACTOR TO ADJUST ALL SERVICE LINES (WATER, GAS, SANITARY, ETC.) THAT CROSS THE PROPOSED UTILITY IMPROVEMENTS AS NECESSARY TO CROSS OVER OR UNDER SAID UTILITY IMPROVEMENTS.
4. ALL TRENCHES UNDER AREAS TO BE PAVED AND UNDER EXISTING PAVING SHALL BE FULL HEIGHT GRANULARLY FILLED WITH COMPACTED SELECT GRANULAR BACKFILL, AND THE SURFACE SHALL BE RESTORED WITH FULL DEPTH PAVEMENT REPLACEMENT IN KIND. BACKFILL AND PAVEMENT SHALL BE PLACED IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF ALL LOCAL GOVERNING AGENCIES' SPECIFICATIONS AND AS DIRECTED ON THE PLANS.
5. EXISTING ABOVE AND BELOW GROUND UTILITIES TO BE PROTECTED AND USED IN PLACE, UNLESS OTHERWISE SPECIFIED. EXISTING UTILITIES AND/OR STRUCTURES AFFECTED BY CONSTRUCTION, EITHER SHOWN OR NOT SHOWN ON THE PLANS, SHALL BE ADJUSTED TO GRADE.
6. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF CONSTRUCTION AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
7. CONTRACTOR TO INSTALL VERTICAL FITTINGS AS NECESSARY TO ADJUST FOR CHANGE IN EXISTING AND PROPOSED GRADES.

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ILLINOIS EASTERN COMMUNITY COLLEGES

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SANITARY SEWER FORCEMAIN PROFILE

C 103



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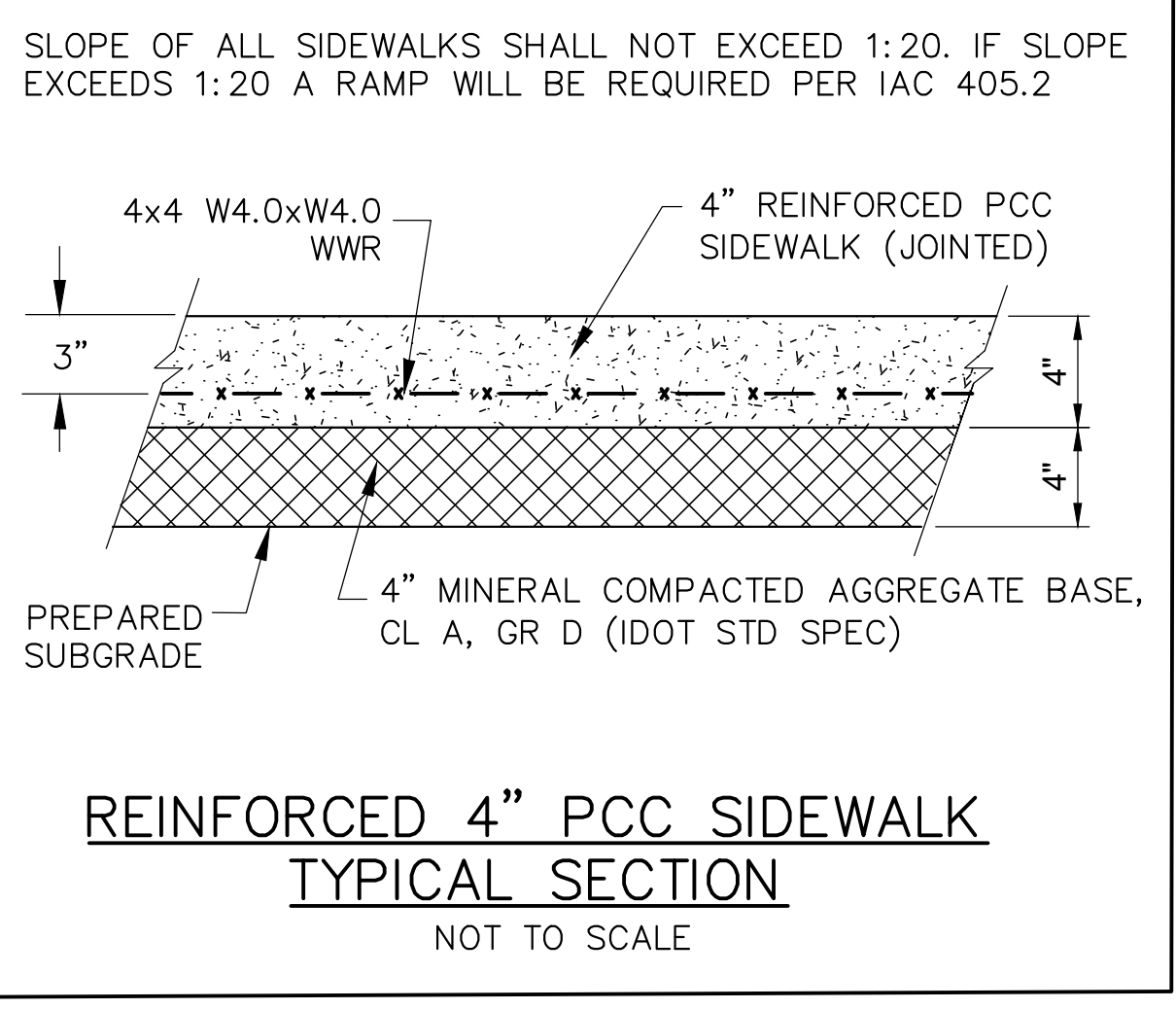
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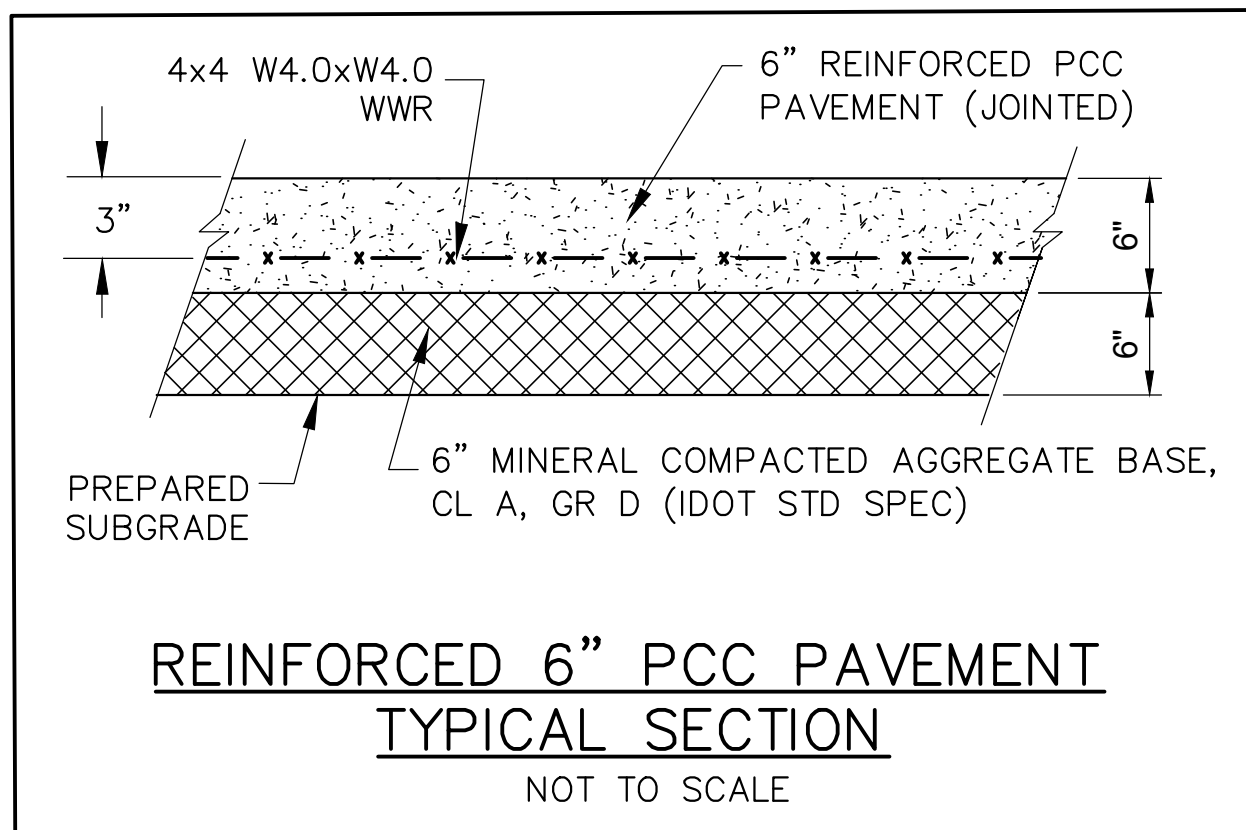
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DESIGN: ZMS DRAWN: CHECK: ZMS JJC

MISC. DETAILS

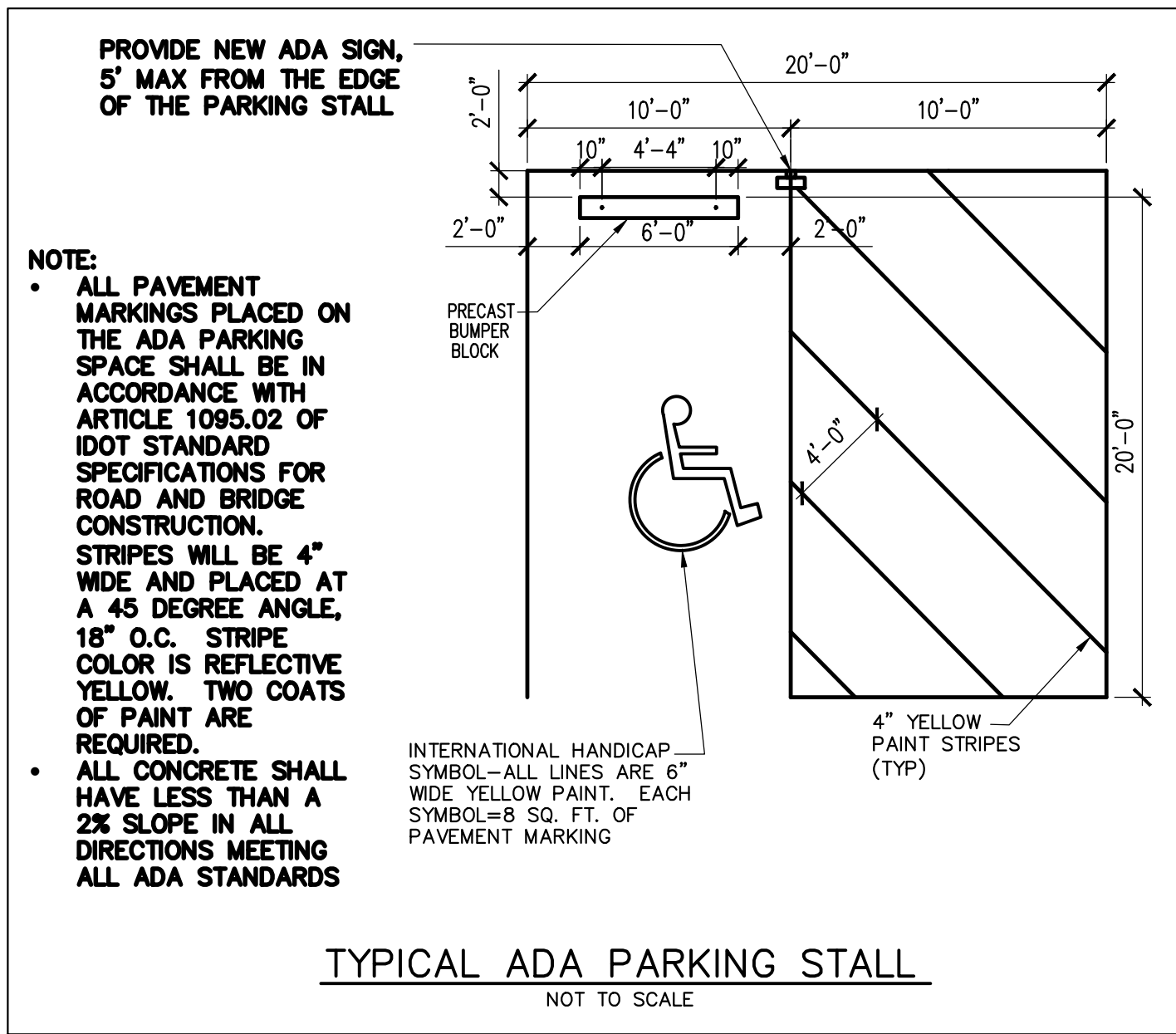
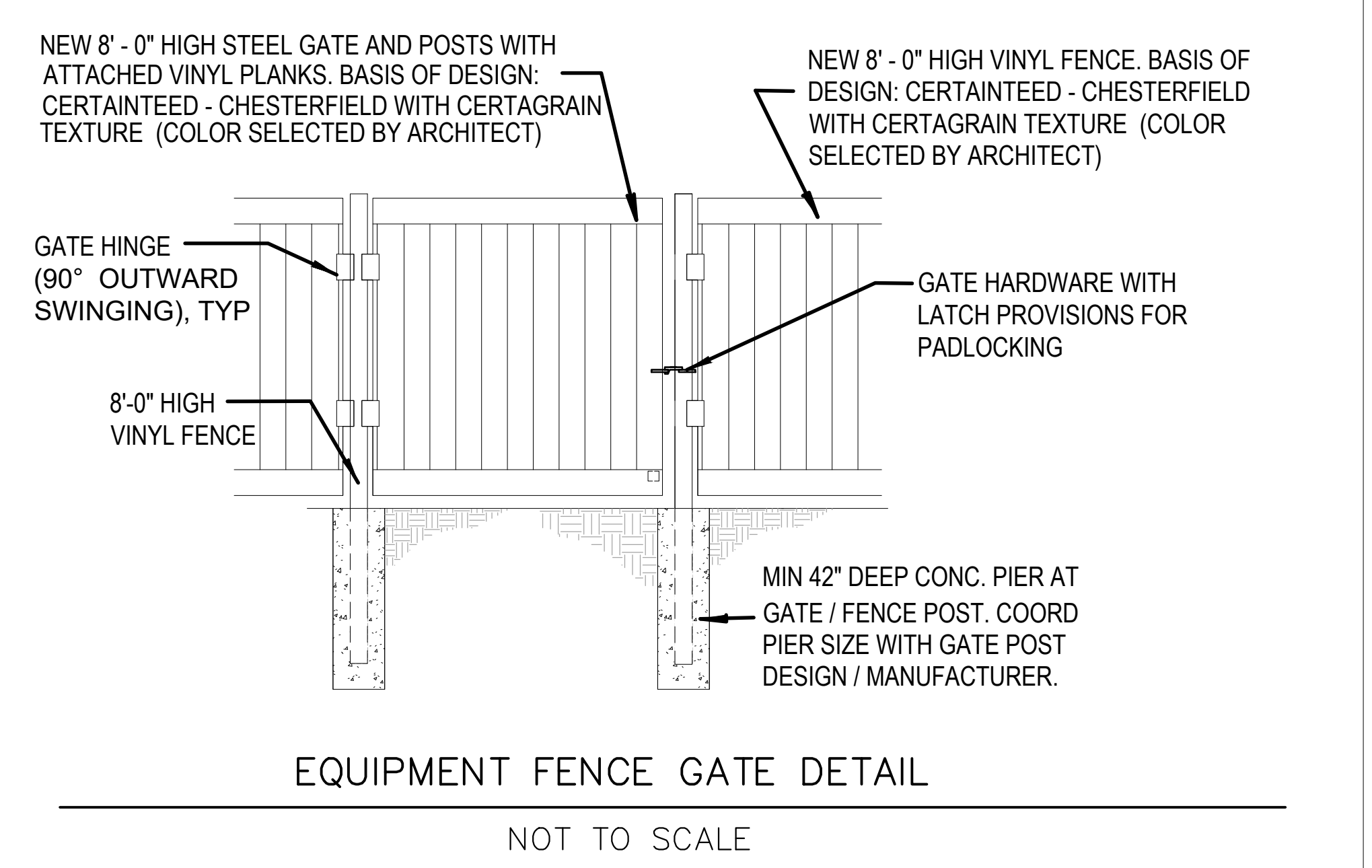
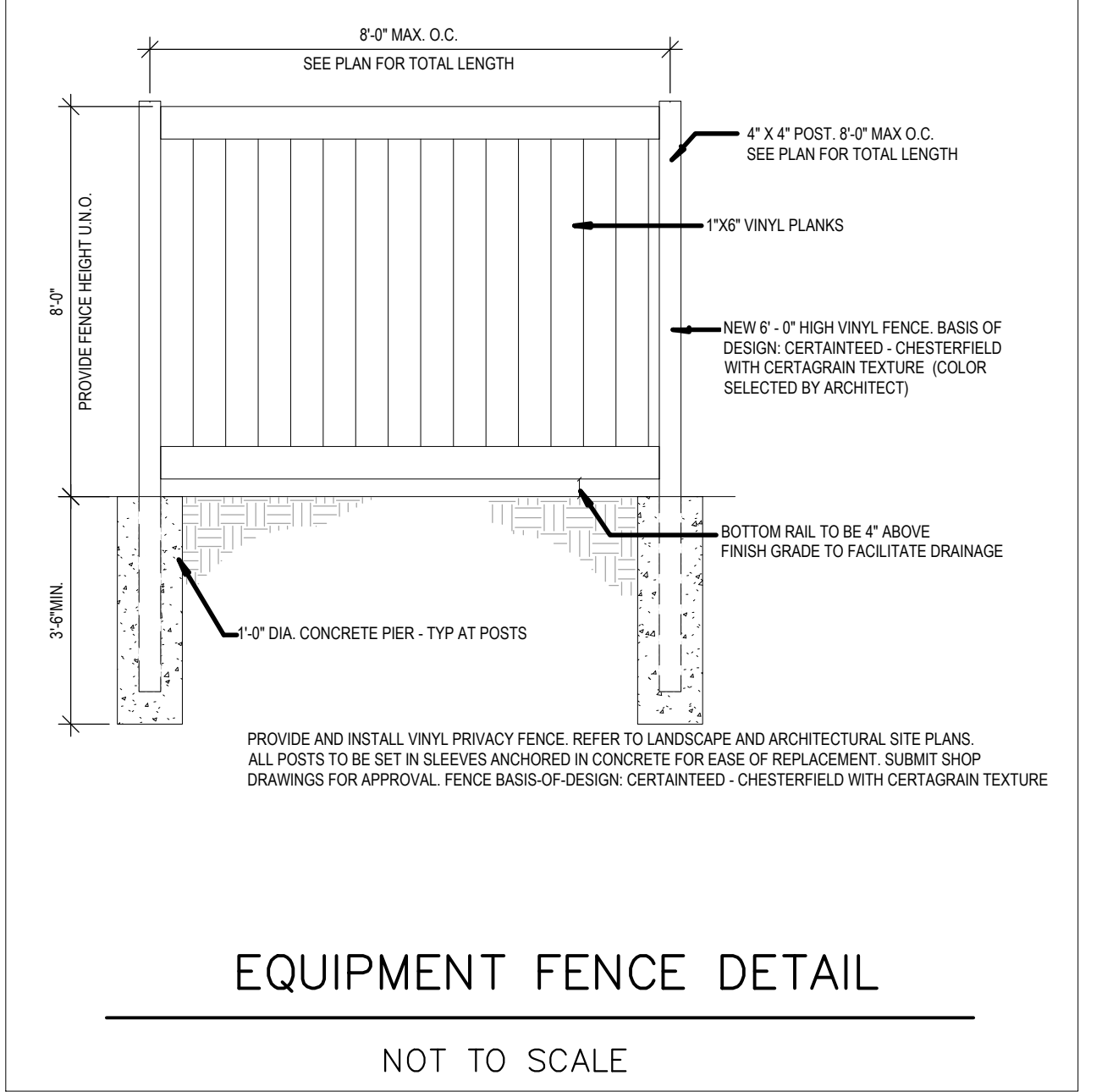
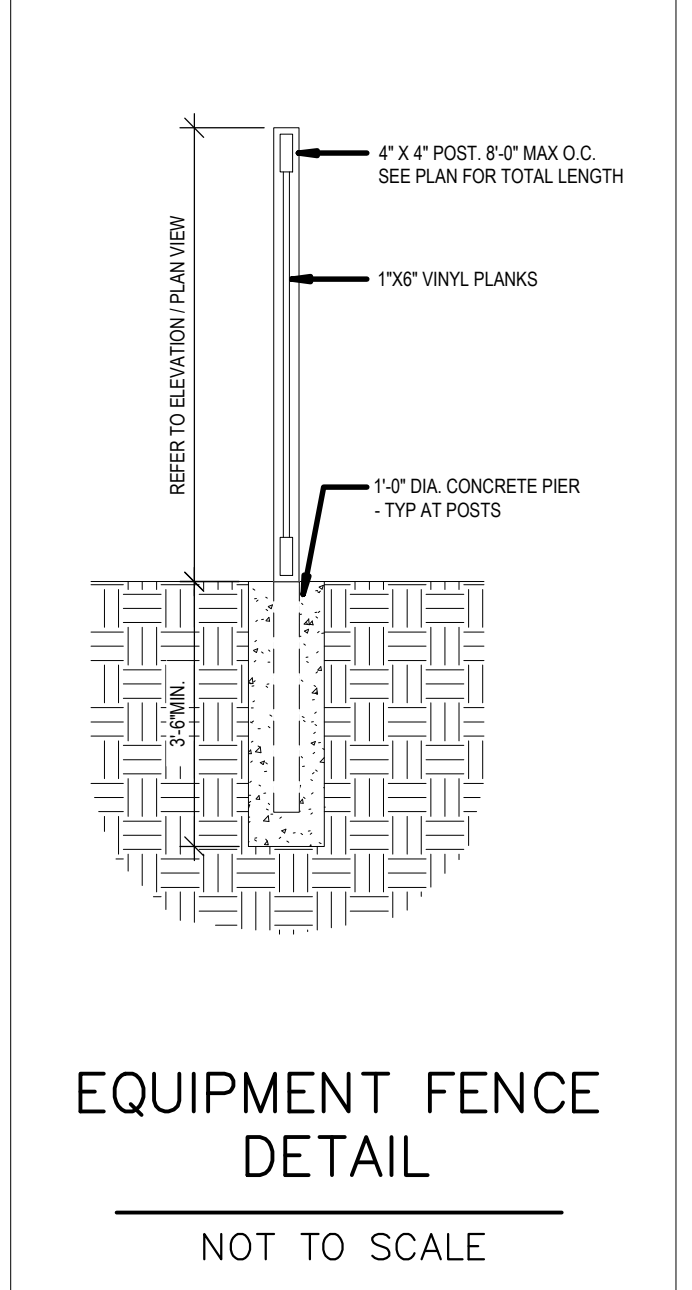
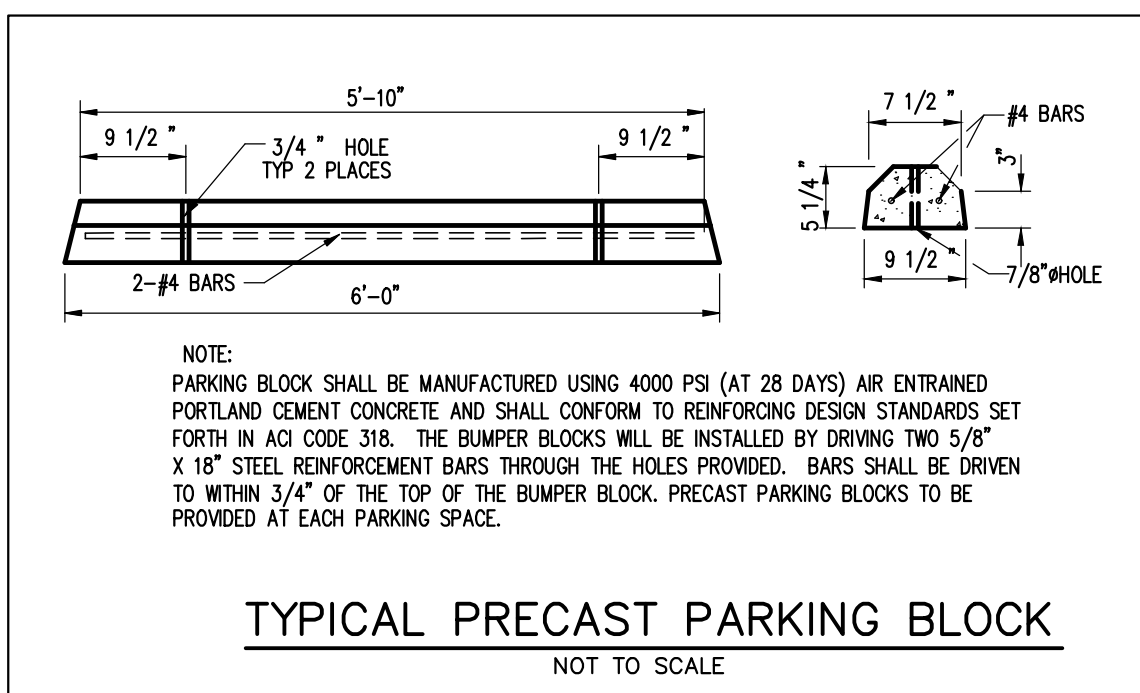
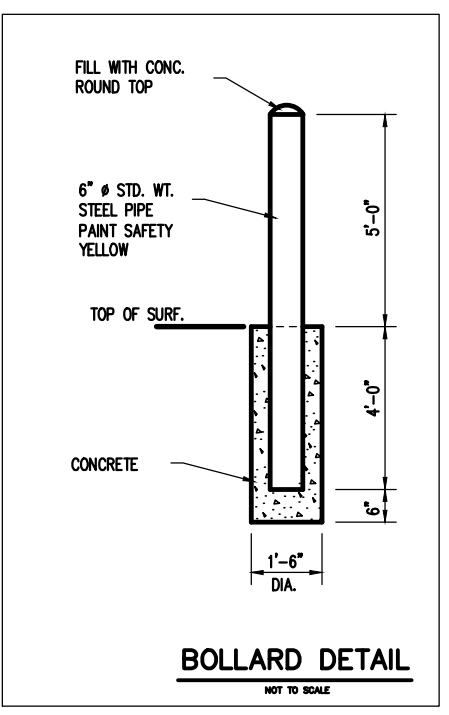
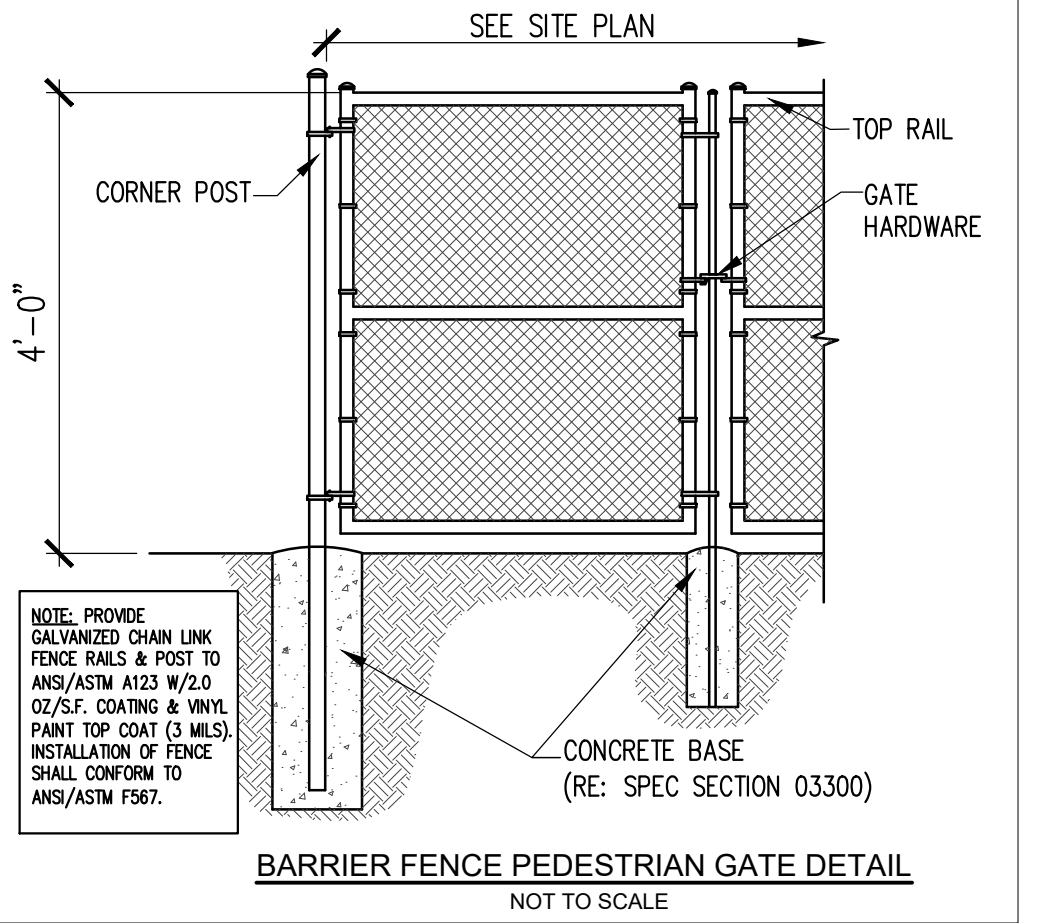
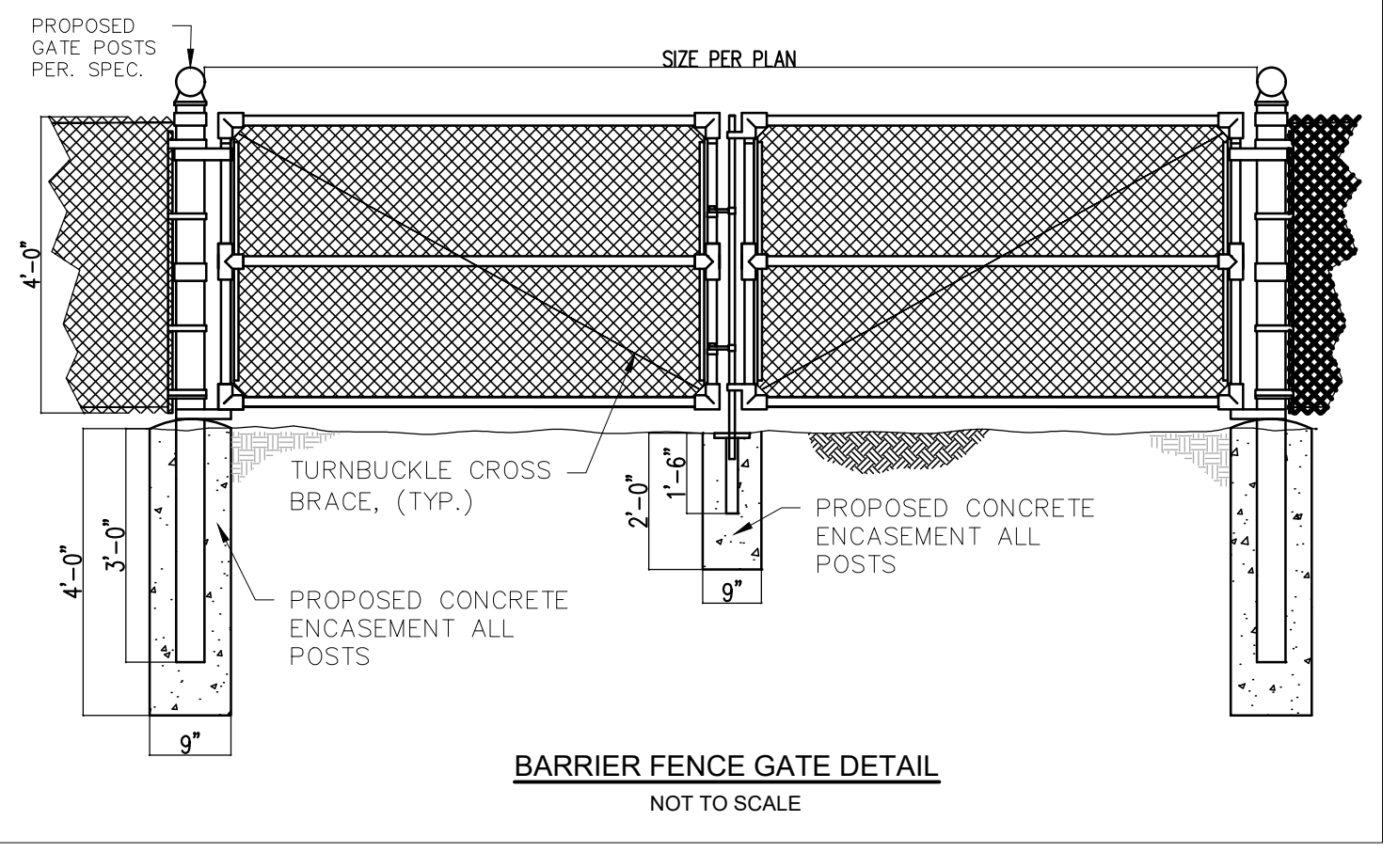
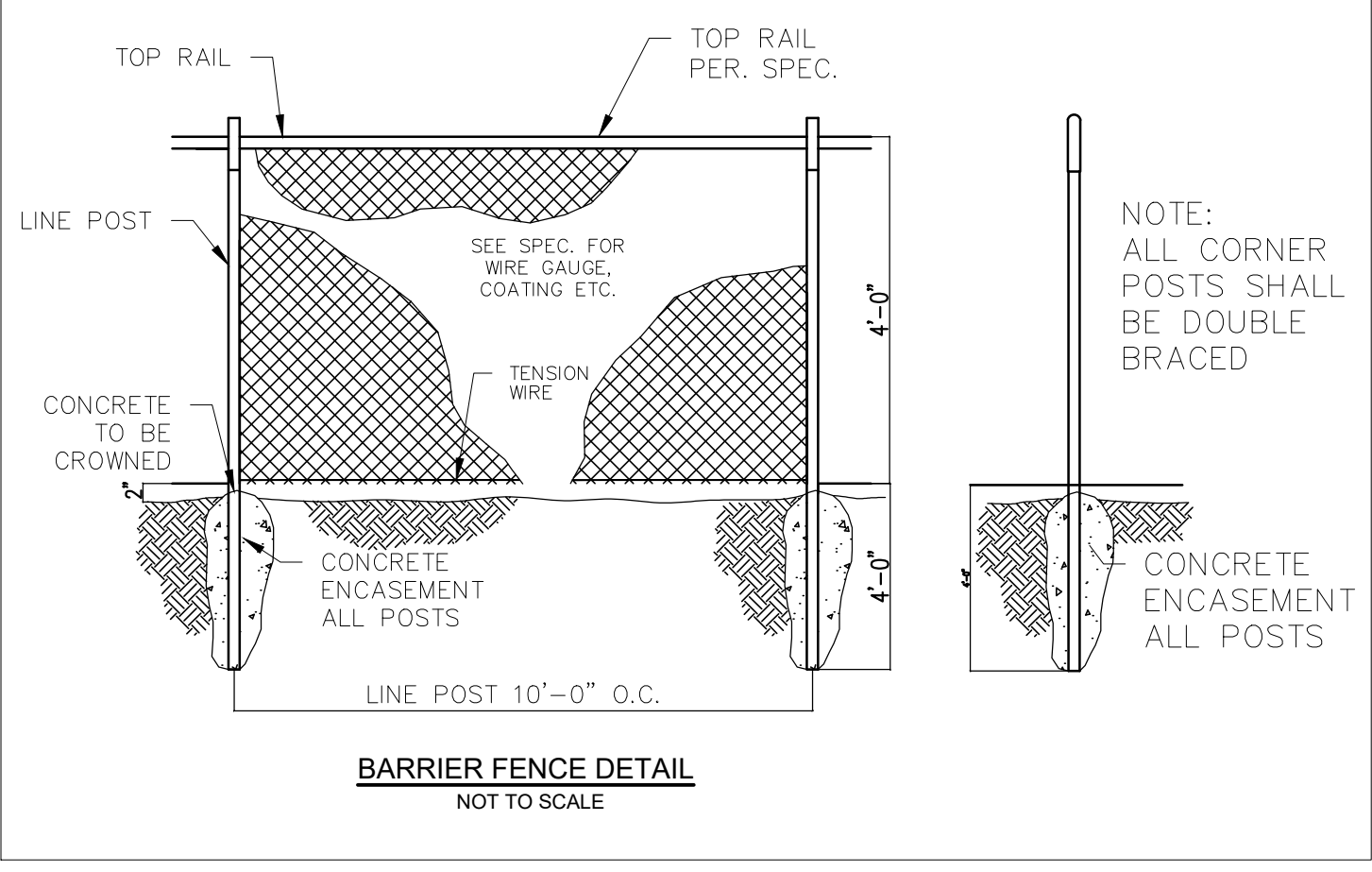
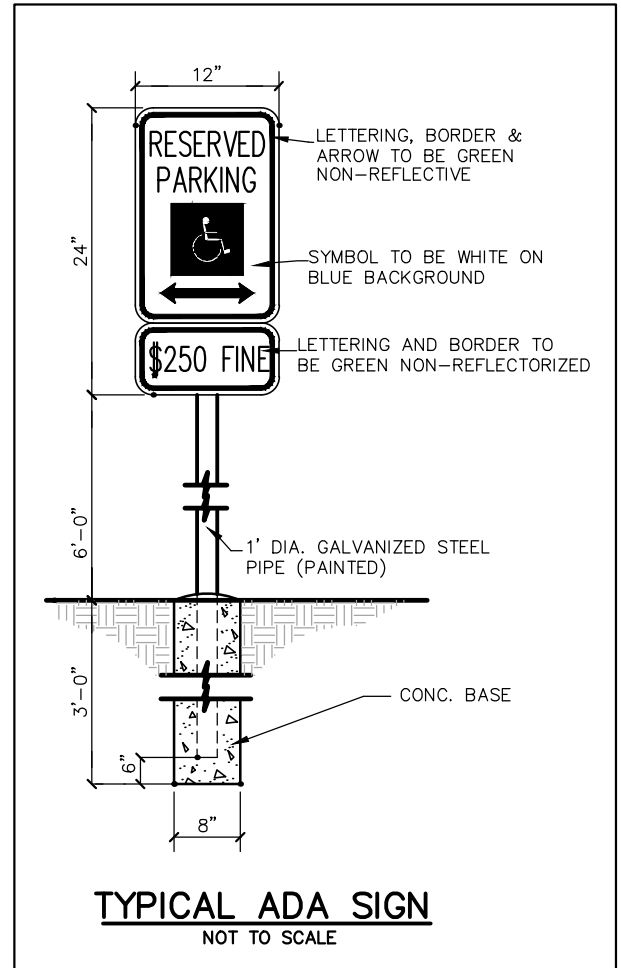
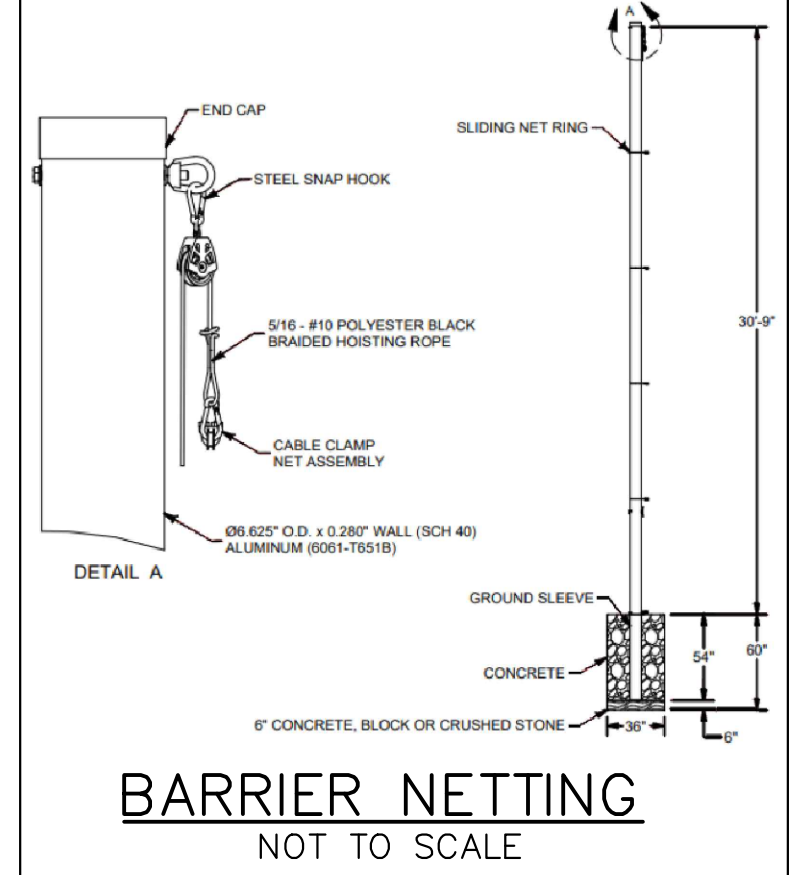
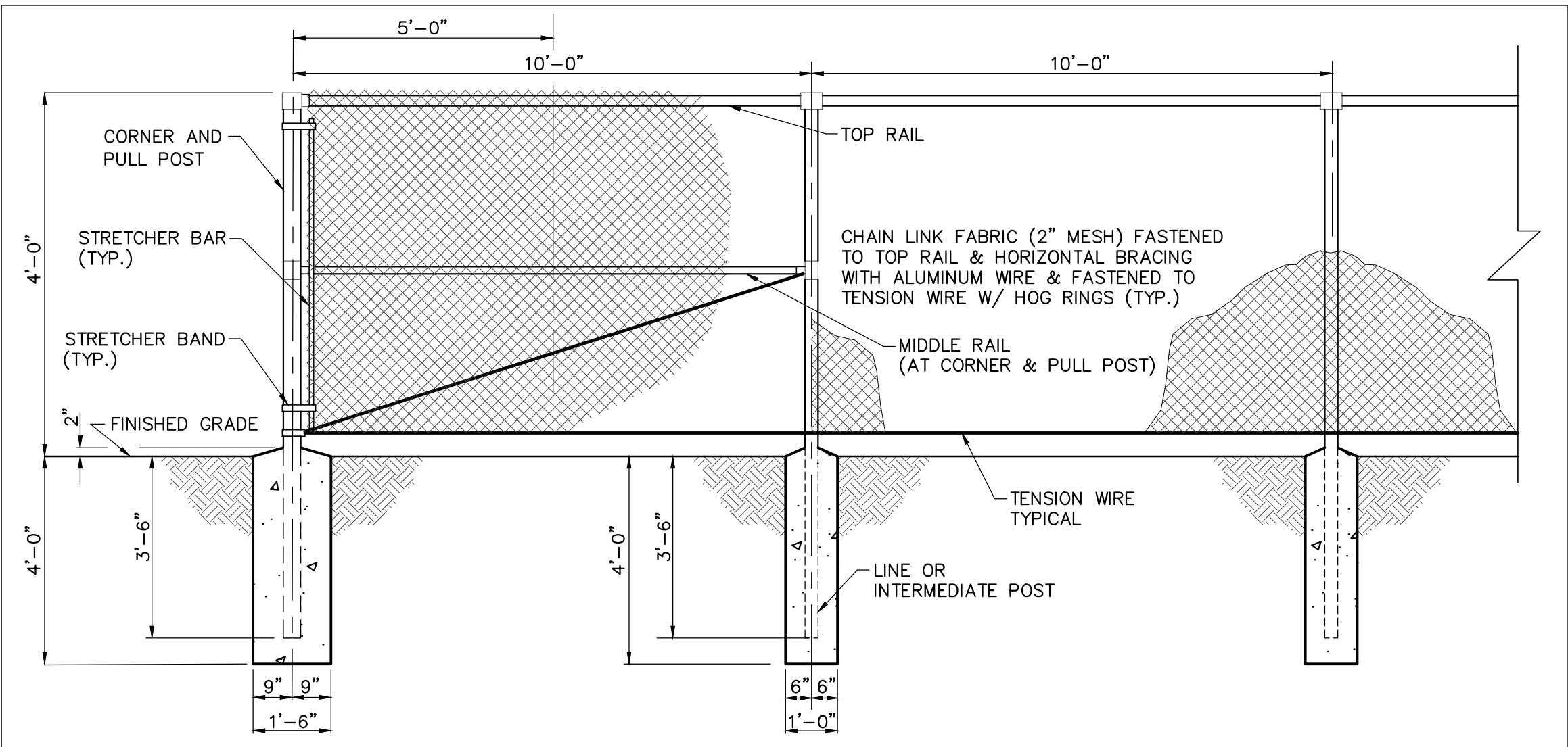
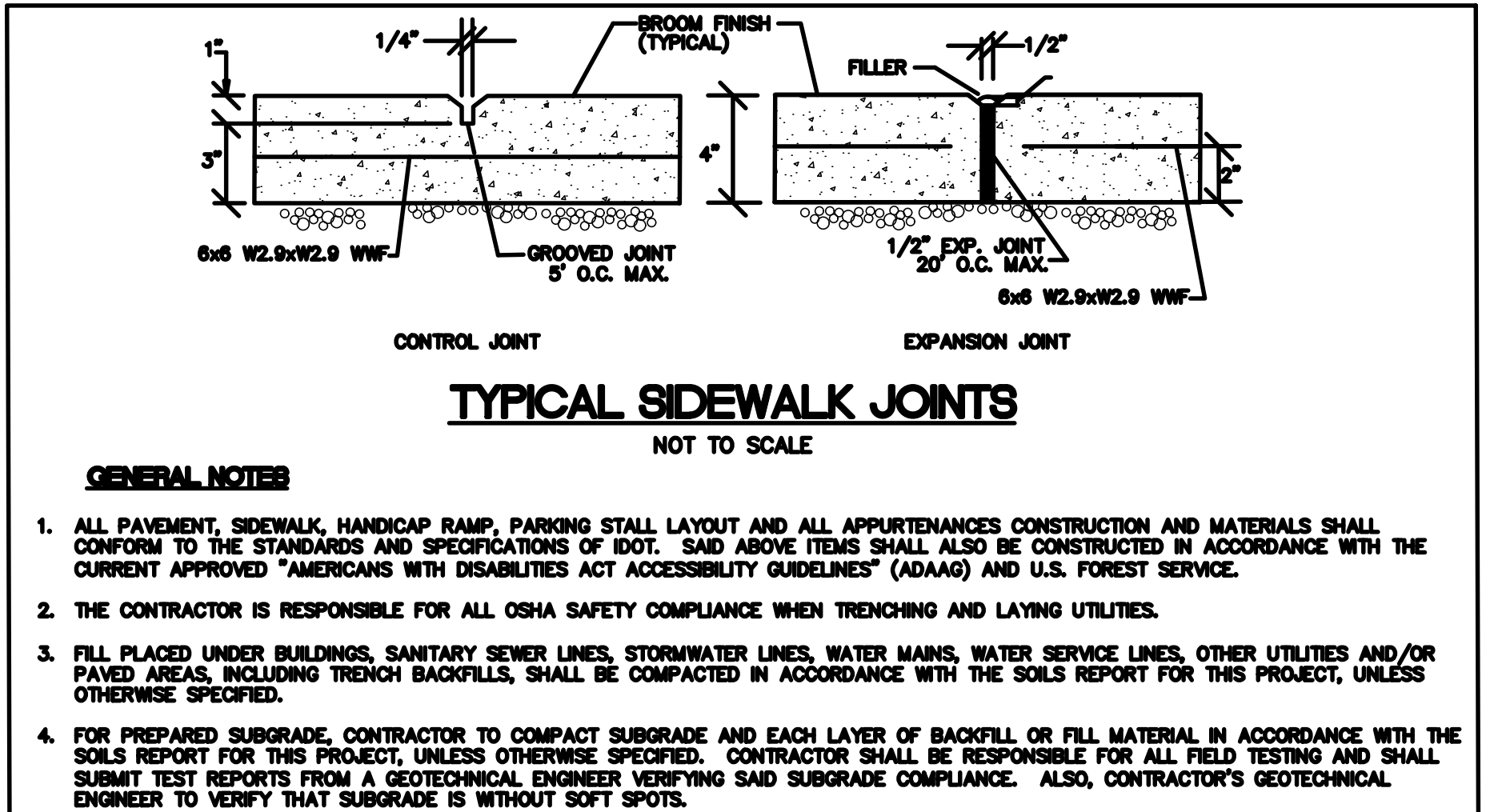
C 501

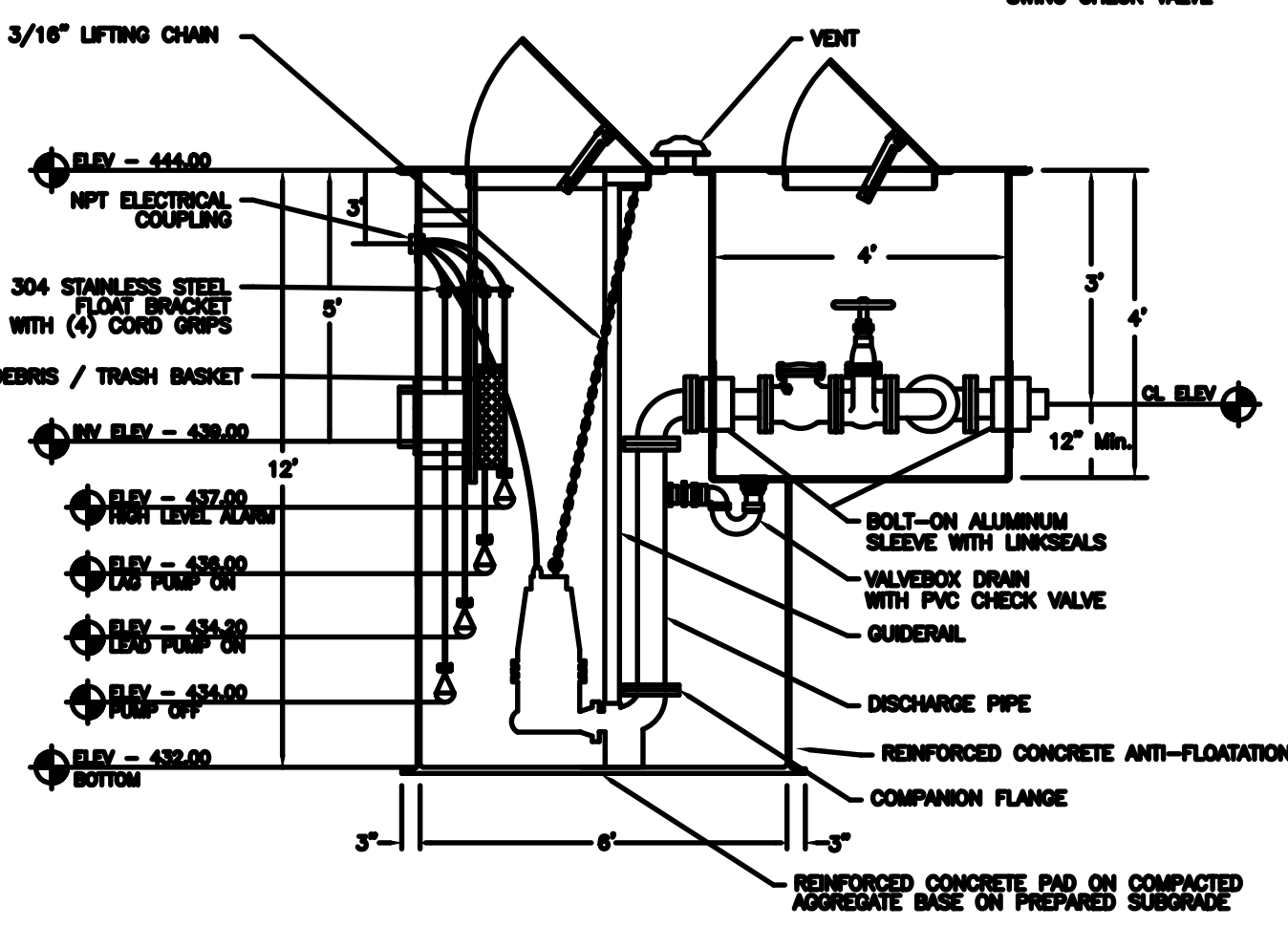
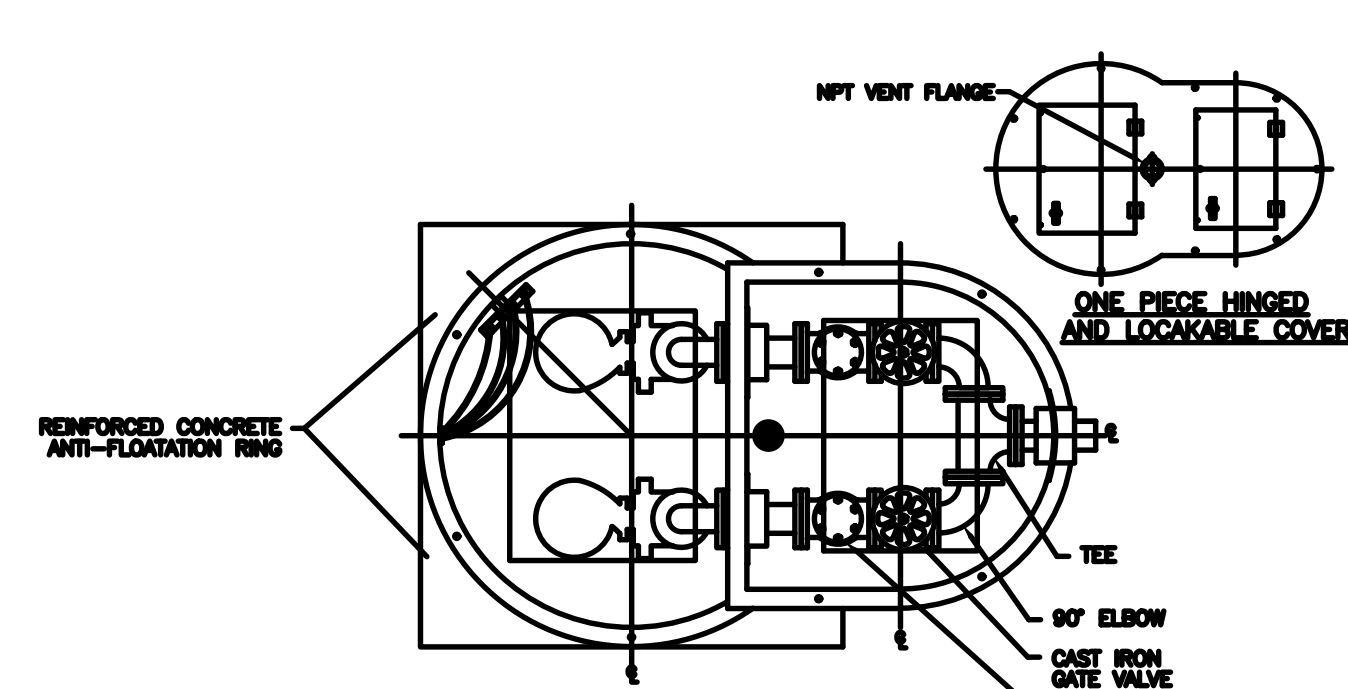


REINFORCED 4" PCC SIDEWALK
TYPICAL SECTION
NOT TO SCALE

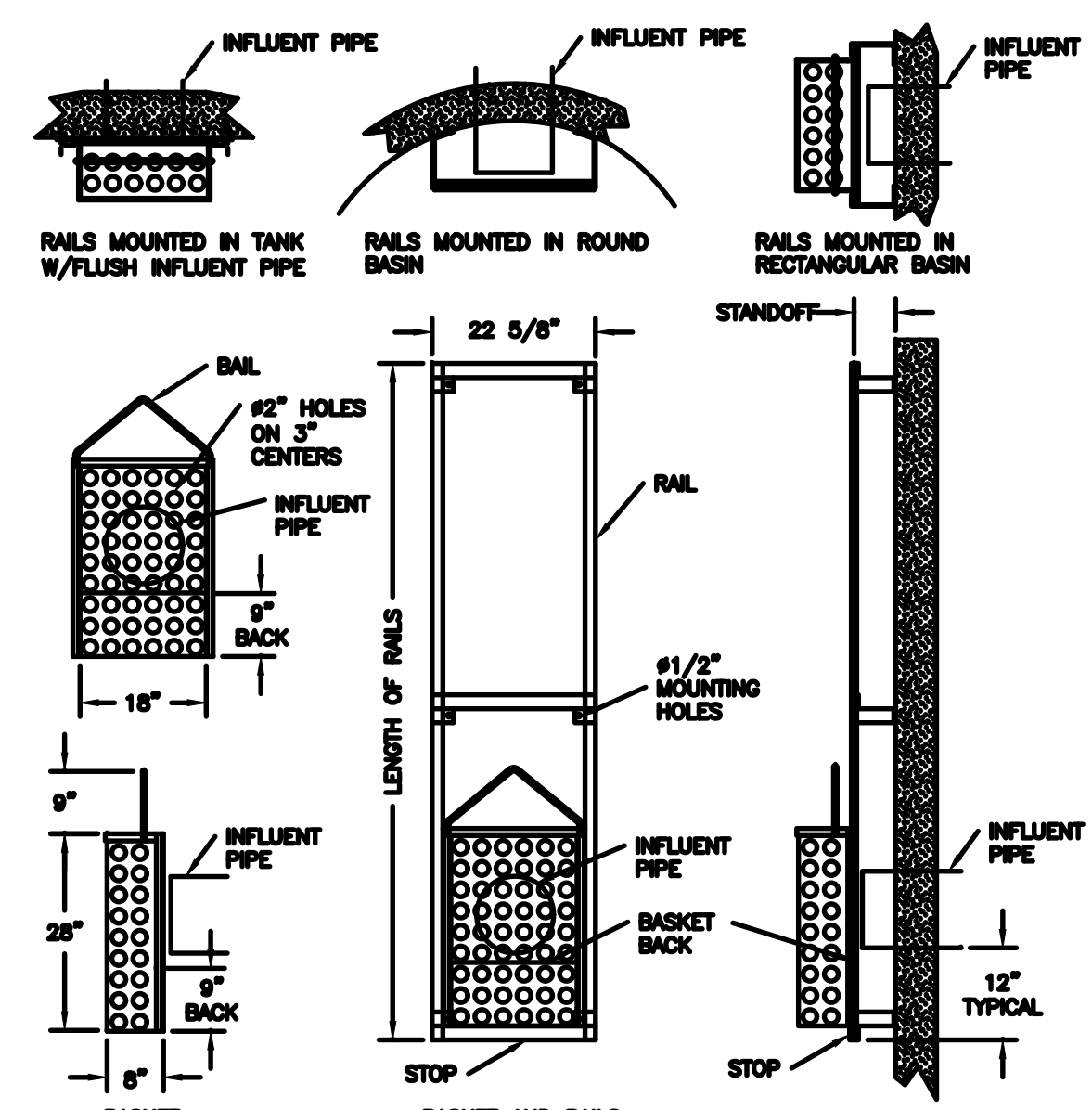


REINFORCED 6" PCC PAVEMENT
TYPICAL SECTION
NOT TO SCALE

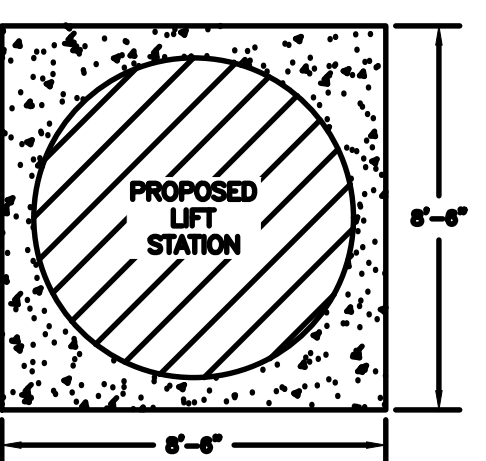




LIFT STATION DETAIL
NOT TO SCALE



DEBRIS / TRASH BASKET DETAILS
NOT TO SCALE



LIFT STATION CONCRETE PAD TYPICAL SECTION
NOT TO SCALE

DESIGN STRESSES:

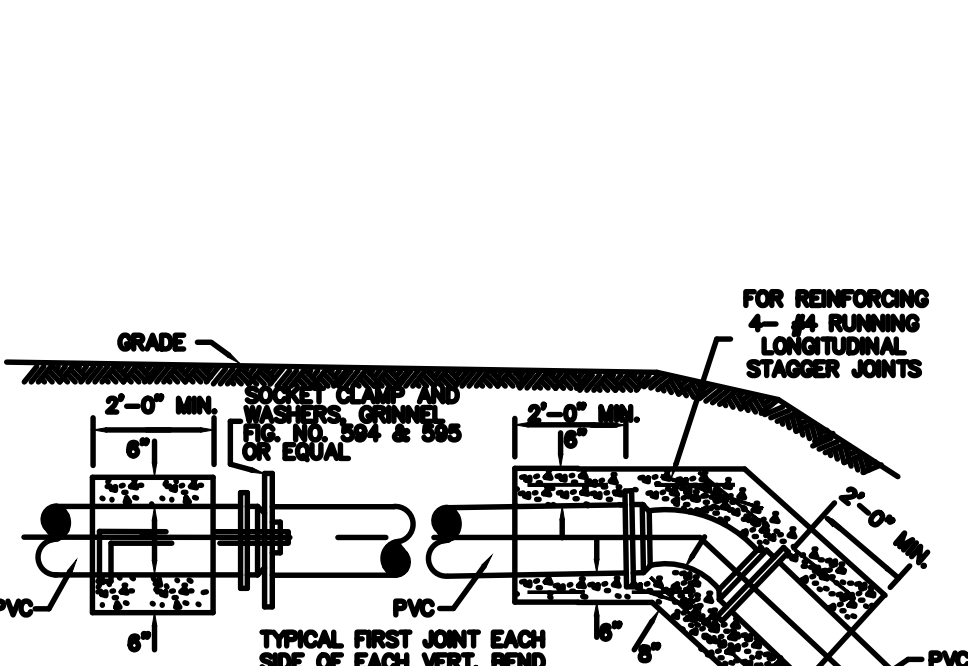
$f_y = 60,000$ psi
 $f_c = 4,500$ psi

CONCRETE PAD NOTES:

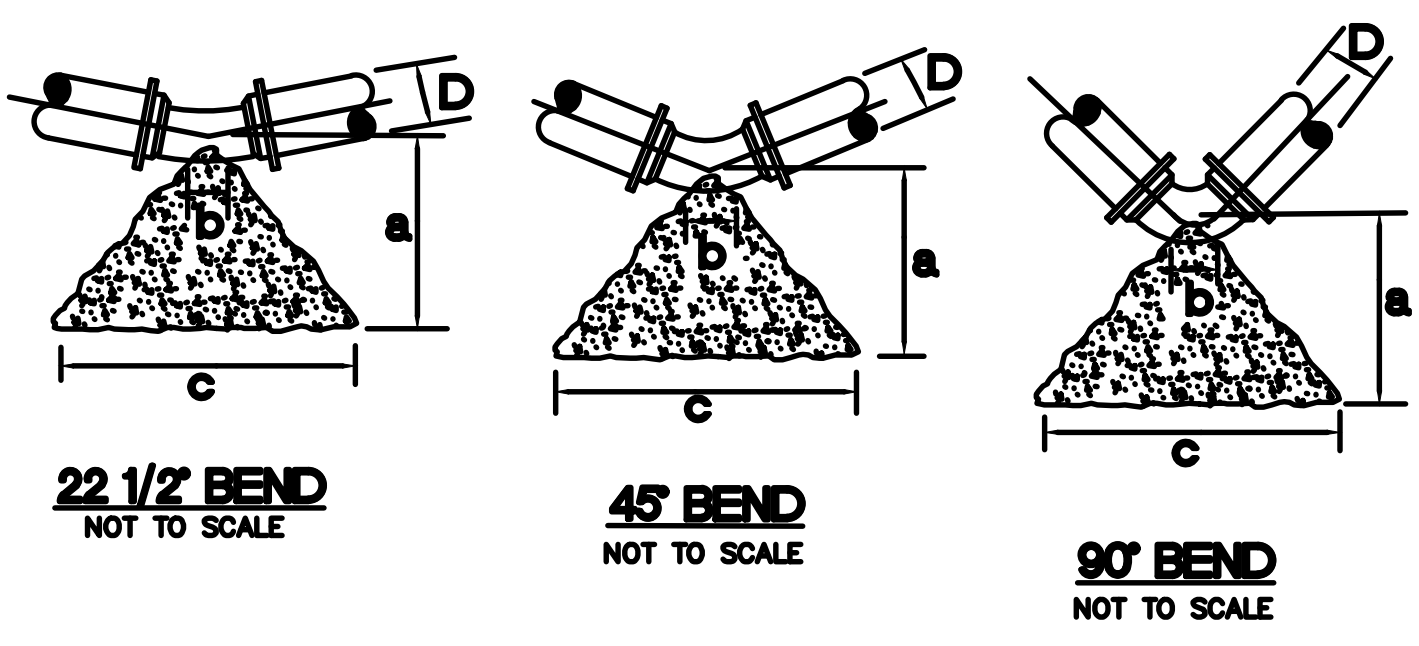
- 3" MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE.
- ALL SHOWN REINFORCEMENT IS #4 - W1.4X11.4 W/F, UNLESS NOTED OTHERWISE.
- ALL SUBGRADE SOILS SHALL BE COMPACTED TO A MINIMUM SOIL OF MAXIMUM DRY DENSITY DETERMINED BY ASTM D-1556, FOR A DEPTH OF AT LEAST 12 INCHES BELOW THE SURFACE FOR PREPARED SUBGRADE.

THRUST BLOCK DIMENSIONS FOR VERTICAL BENDS

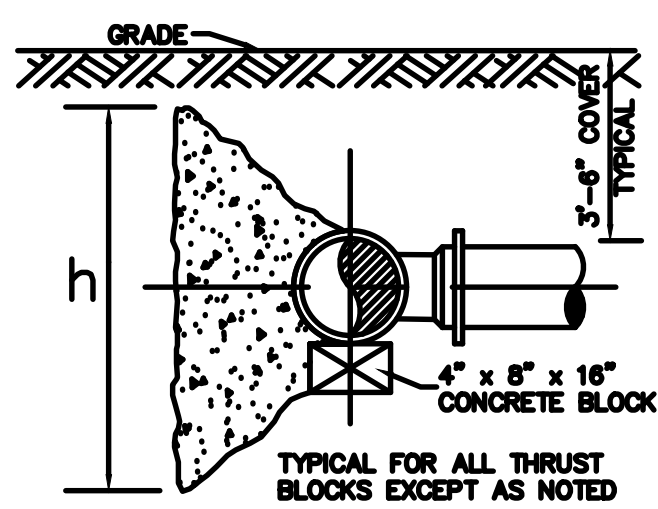
SIZE OF PIPE (IN)	VERTICAL BENDS (FEET)				
	E	F	G	H	J
4	0.5'	0.75'	2.2'	3.0'	1.0'
6	0.9'	0.9'	3.4'	3.0'	1.5'
8	1.0'	1.5'	3.8'	3.5'	2.0'
10	1.25'	1.8'	5.0'	3.7'	2.25'
12	1.5'	2.2'	6.0'	4.0'	2.5'
14	1.75'	2.7'	7.0'	4.2'	3.0'
16	2.0'	3.2'	8.0'	4.5'	3.5'



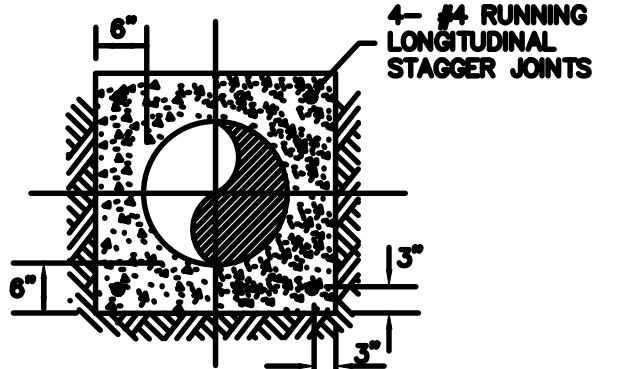
ELEVATION - CONCRETE ENCASEMENT FOR VERTICAL BEND
NOT TO SCALE



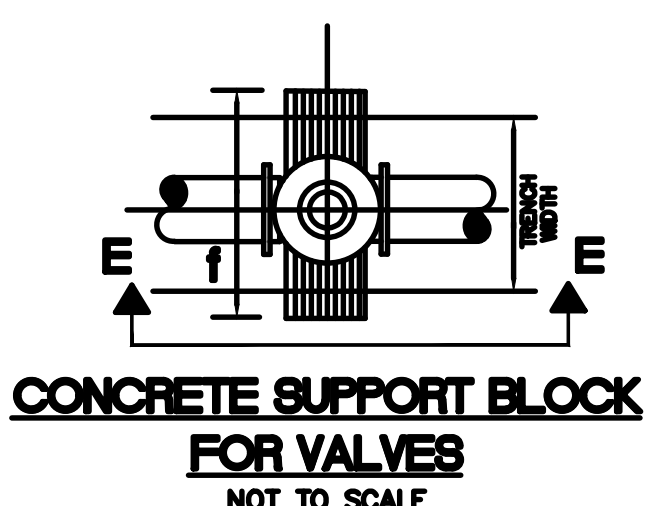
22 1/2 BEND NOT TO SCALE
45 BEND NOT TO SCALE
90 BEND NOT TO SCALE



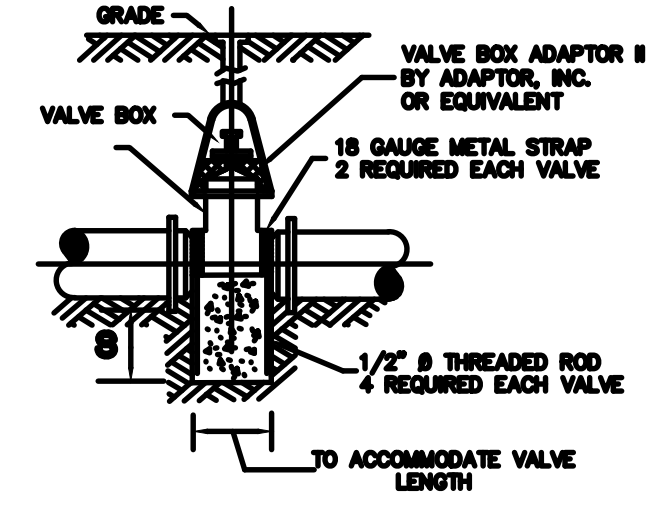
SECTION C-C
NOT TO SCALE



TYPICAL SECTION CONCRETE ENCASEMENT
NOT TO SCALE

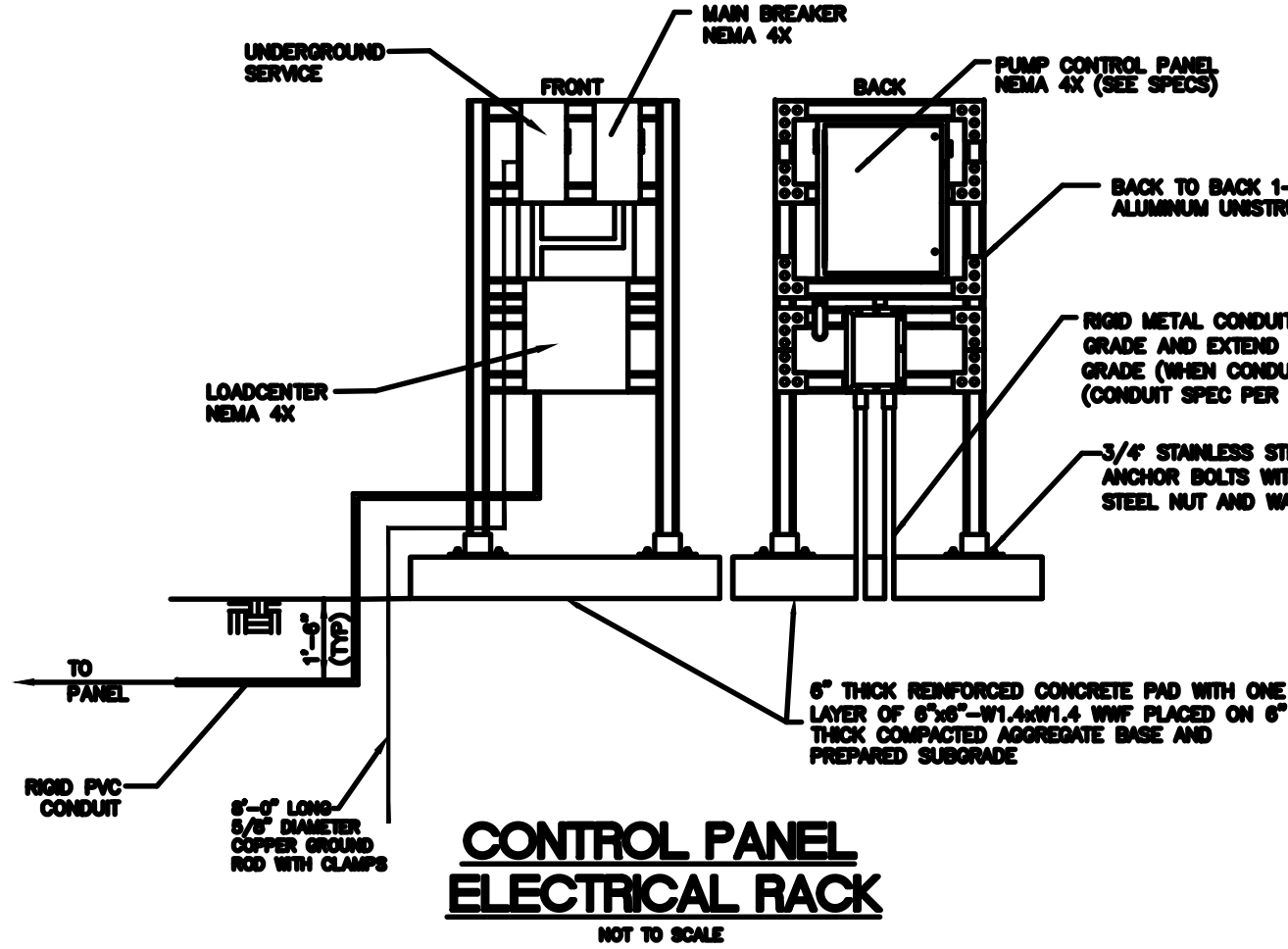


CONCRETE SUPPORT BLOCK FOR VALVES
NOT TO SCALE

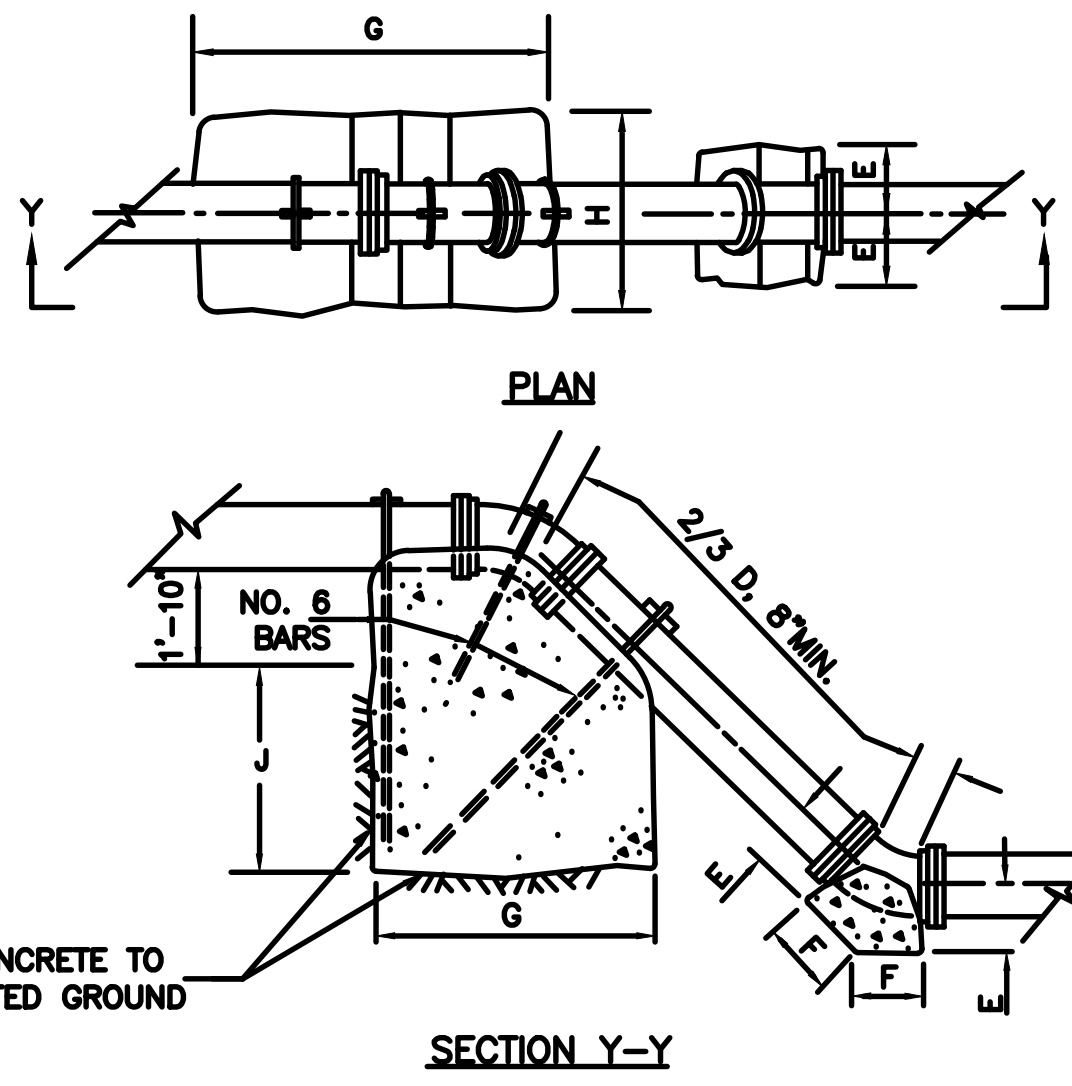


SECTION E-E
NOT TO SCALE

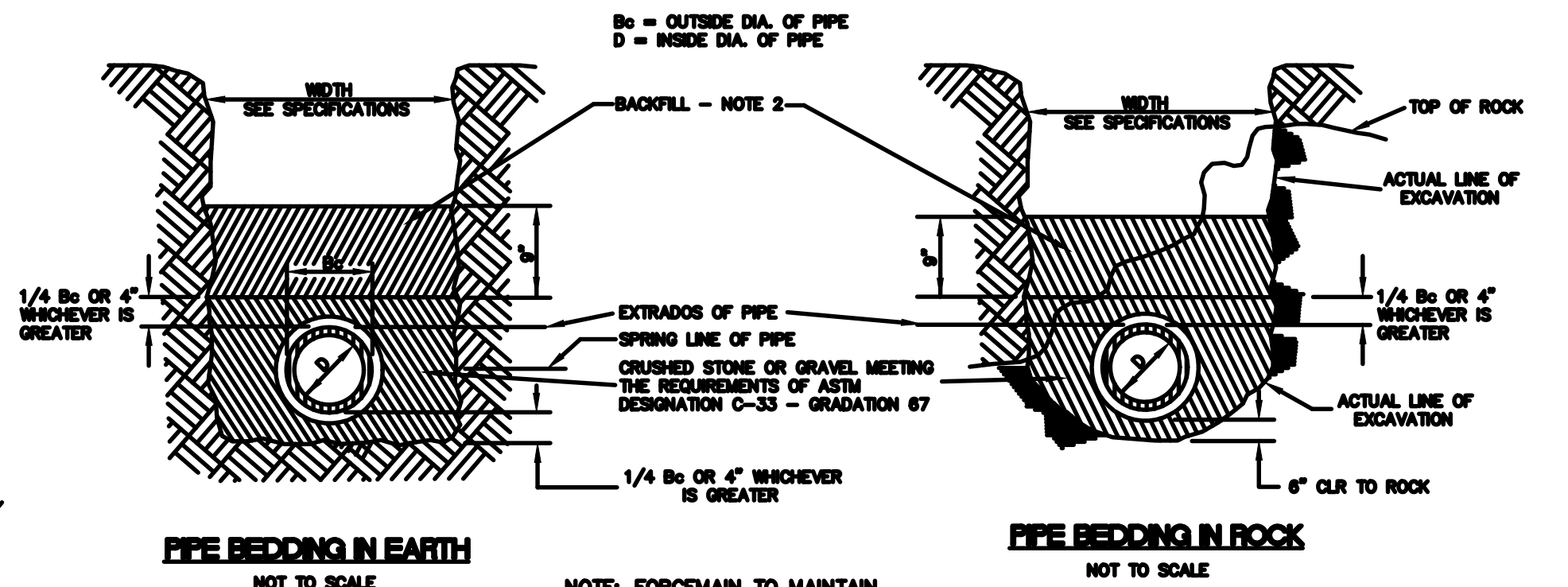
PIPE SIZE	THRUST BLOCK DIMENSIONS (INCHES)											
	D	a	b	c	h	c	h	c	h	s	f	
4	14	4	26	13	30	15	24	12	16	8	12	36
6	22	6	36	18	44	22	32	16	24	12	18	48
8	29	8	50	25	58	29	42	21	30	15	18	54
10	37	10	62	31	74	37	55	27	40	20	24	54
12	44	12	74	37	88	44	65	33	46	23	24	90
14	52	14	86	43	103	52	76	38	54	27	30	96
16	58	15	98	49	118	58	86	43	60	30	36	96



CONTROL PANEL ELECTRICAL RACK
NOT TO SCALE



THRUST BLOCK FOR VERTICAL BENDS
NOT TO SCALE



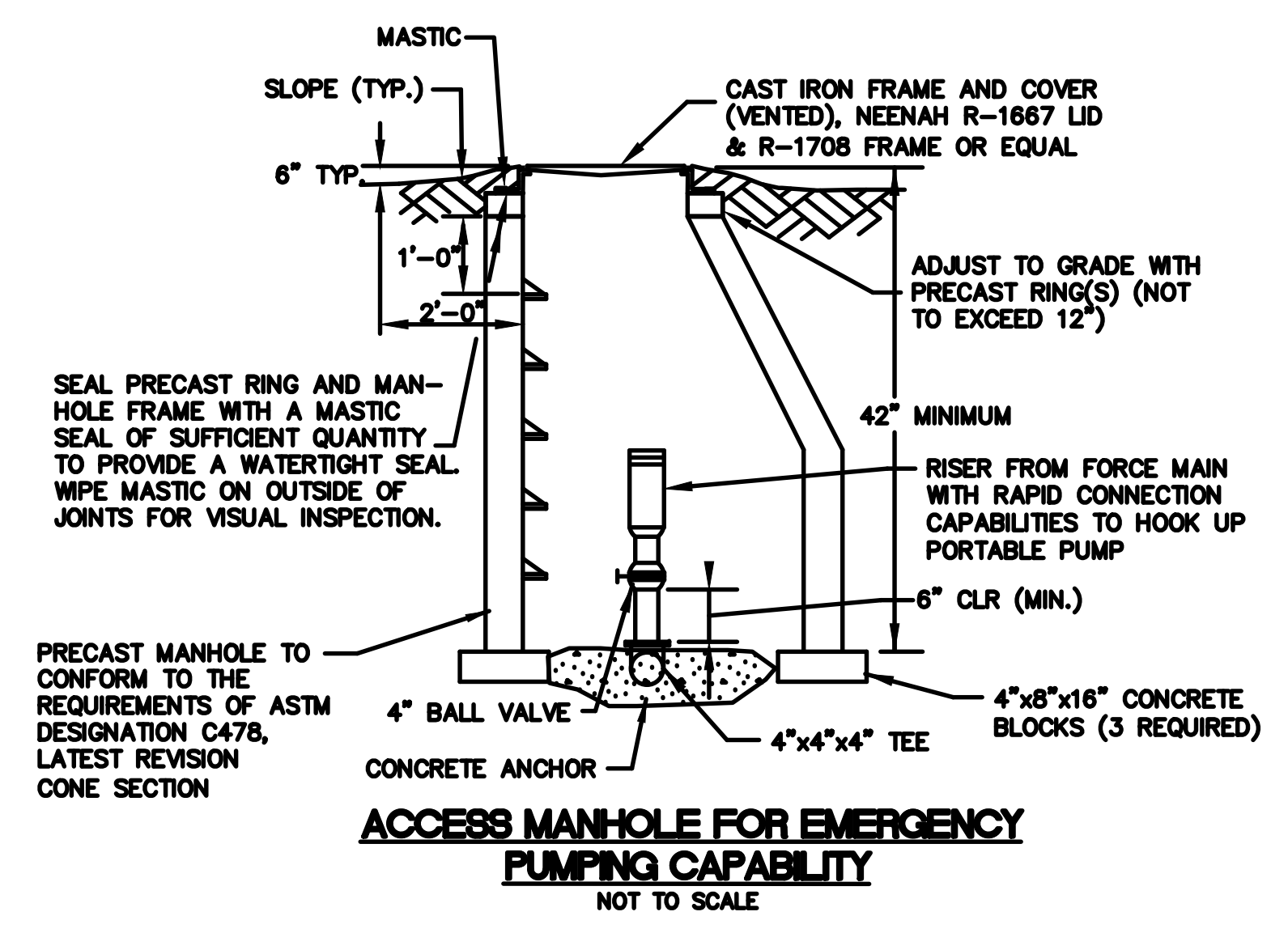
PIPE BEDDING IN EARTH NOT TO SCALE
PIPE BEDDING IN ROCK NOT TO SCALE

NOTE: FORCEMAN TO MAINTAIN 42" MINIMUM COVER AT ALL LOCATIONS UNLESS OTHERWISE NOTED.

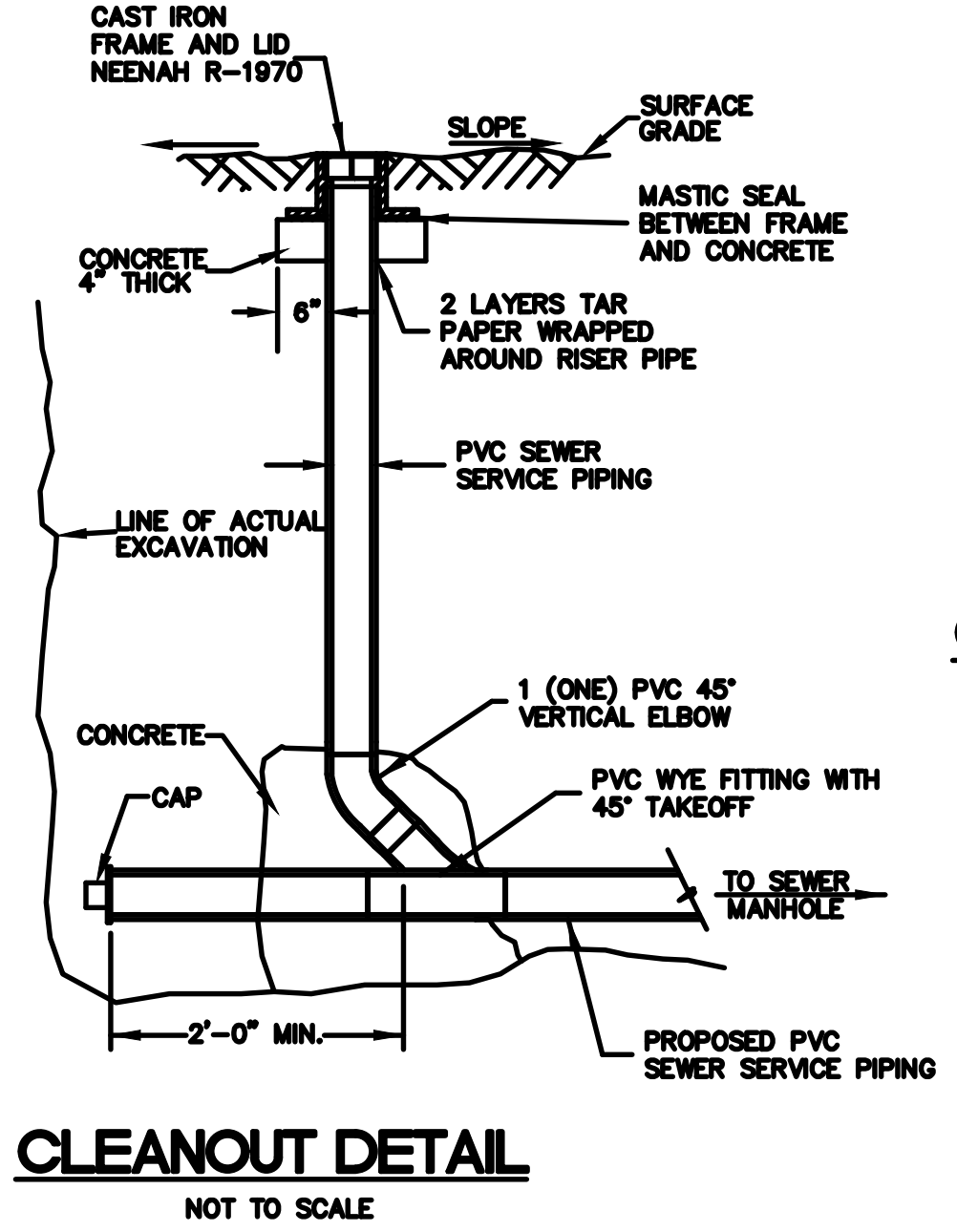
FORCEMAN NOTES:

- VALVES SHALL BE RESILIENT SEAT, DOUBLE DISC, NON-RISING STEM VALVES WITH OPERATING NUT AND MECHANICAL JOINT FLANGES MANUFACTURED IN ACCORDANCE WITH AWWA SPECIFICATION C509 OR C515. THEY SHALL HAVE O-RING SEALS AND SHALL BE MANUFACTURED BY MUELLER COMPANY OR EQUIVALENT.
- CAREFULLY PLACED AND COMPACTED SELECTED EARTH BACKFILL IN 4" LAYERS OR CRUSHED STONE OR GRAVEL WELL GRADED WITHIN THE FOLLOWING LIMITS:

SIEVE SIZE:	% PASSING:	SIEVE SIZE:	% PASSING:
1-1/2"	100	#8	25-60
1"	100	#16	20-40
1/2"	60-100	#20	MAX. 15
#4	40-80		
- FORCEMAN TO MAINTAIN 42" MINIMUM COVER AT ALL LOCATIONS UNLESS OTHERWISE NOTED.
- 11-1/4" BEND TO HAVE SAME THRUST BLOCK DIMENSIONS AS 22-1/2" BEND.
- SECTION C-C ON THIS SHEET TYPICAL FOR ALL THRUST BLOCKS EXCEPT AS NOTED.
- ALL TRENCHES UNDER AREAS TO BE PAVED AND UNDER EXISTING PAVING SHALL BE FULL HEIGHT GRANULARLY FILLED WITH COMPACTED SELECT GRANULAR BACKFILL. BACKFILL SHALL BE PLACED IN ACCORDANCE WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF IDOT, PROJECT SPECIFICATIONS AND AS DIRECTED ON THE PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL OSHA SAFETY COMPLIANCES WHEN TRENCHING AND LAYING UTILITIES.
- LOCATOR WIRE SHALL BE INSTALLED WITH ALL PVC FORCEMAN, FITTING AND VALVE INSTALLATIONS AS SPECIFIED IN THE PROJECT SPECIFICATIONS.



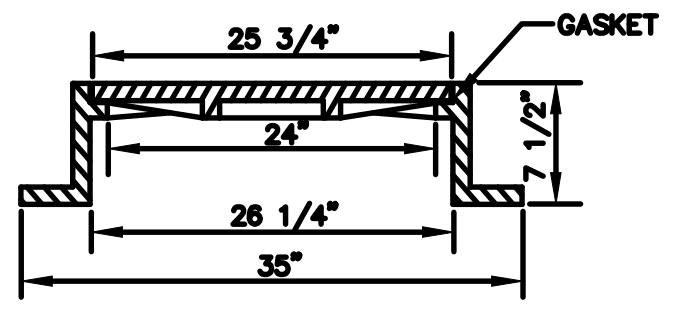
ACCESS MANHOLE FOR EMERGENCY PUMPING CAPABILITY
NOT TO SCALE



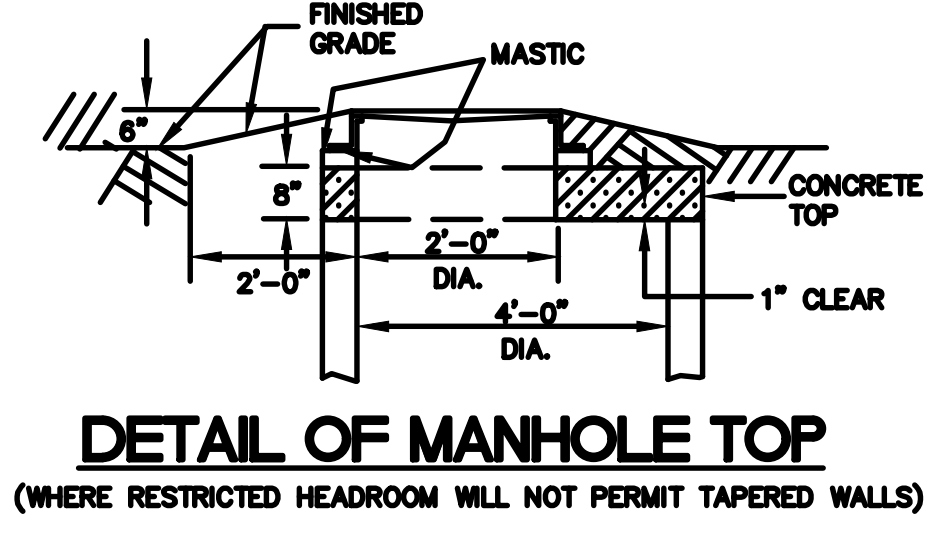
CLEANOUT DETAIL
NOT TO SCALE



SELF-SEALING MANHOLE COVER AND FRAME (CAST IRON)
(TOTAL WT. 375 LB.) NEENAH R-1643



SECTION B-B



DETAIL OF MANHOLE TOP
(WHERE RESTRICTED HEADROOM WILL NOT PERMIT TAPERED WALLS)

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MK.	DATE	DESCRIPTION

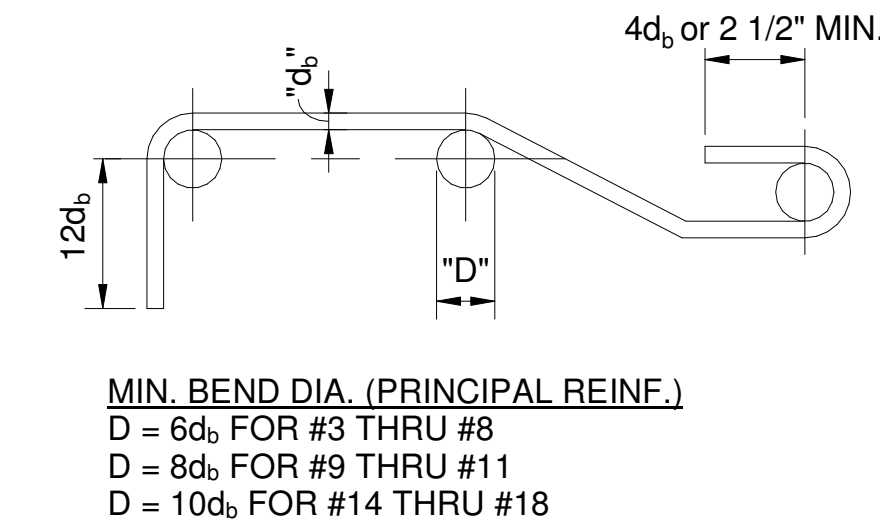
DATE: PROJECT NO: 395-3272
DESIGN: DRAWN: CHECK: ZAY ZMS JJC

UTILITY DETAILS
C 502

9. MISCELLANEOUS:

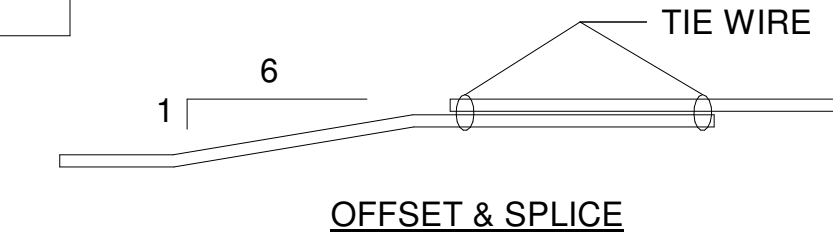
- A. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS, SHOP DRAWINGS, AND WORK.
- B. NO OPENING SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- C. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- D. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME LOADS ARE IMPOSED.
- E. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
- F. UNLESS OTHERWISE NOTED, FIREPROOFING METHODS AND MATERIALS FOR STRUCTURAL MEMBERS ARE NOT SHOWN ON STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIRE RATING REQUIREMENTS, FIRE PROOFING METHODS, AND MATERIALS.
- G. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS.
- H. CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD. EXPANSION JOINTS SHOWN ON THE DRAWINGS HAVE BEEN DESIGNED TO ACCOMMODATE ANTICIPATED THERMAL MOVEMENT AFTER THE BUILDING IS COMPLETE.
- I. THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR SUCH DEVIATION BY THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS HE/SHE HAS SPECIFICALLY INFORMED THE ARCHITECT OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
- J. ALL THINGS WHICH, IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS, OR AMBIGUITIES, IN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. PLANS AND/OR SPECIFICATIONS WILL BE CORRECTED, OR WRITTEN INTERPRETATION OF THE ALLEGED DEFICIENCY, OMISSION, CONTRADICTION OR AMBIGUITY WILL BE MADE BY THE ARCHITECT/ENGINEER BEFORE THE AFFECTED WORK PRECEDES.
- K. FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN OR INFERRED BY THESE DRAWINGS.
- L. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- M. REFERENCE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- N. DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE PLANS CAN BE DETERMINED BY THE TITLE OF THE DETAIL. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. DECISIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ARCHITECT/ENGINEER.
- O. REVIEW OF THE SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AN AUTHORIZATION TO DEVIATE FROM CONTRACT DOCUMENTS.

BAR SIZE	SPLICE LENGTH CLASS "B"								DEVELOPMENT LENGTH CLASS "A"							
	3000 PSI CONC. f'c		4000 PSI CONC. f'c		5000 PSI CONC. f'c		6000 PSI CONC. f'c		3000 PSI CONC. f'c		4000 PSI CONC. f'c		5000 PSI CONC. f'c		6000 PSI CONC. f'c	
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	29	22	24	18	22	17	20	15	22	17	21	15	17	13	15	12
#4	38	29	32	25	29	22	26	20	30	22	26	19	22	17	20	15
#5	48	36	40	31	36	28	33	25	37	27	32	24	28	22	25	19
#6	58	43	48	37	43	33	39	30	44	33	38	29	33	26	30	23
#7	81	62	70	54	63	49	57	44	62	48	54	42	49	37	44	34
#8	93	71	80	62	72	55	65	50	71	55	62	48	55	43	50	39
#9	105	80	90	70	81	63	74	57	80	62	70	54	63	48	57	44
#10	118	91	102	78	91	70	83	64	90	70	78	60	70	54	64	49
#11	131	100	114	87	101	78	92	71	100	77	87	67	78	60	71	55



MIN. BEND DIA. (PRINCIPAL REINF.)
 D = 6d_b FOR #3 THRU #8
 D = 8d_b FOR #9 THRU #11
 D = 10d_b FOR #14 THRU #18

STANDARD HOOD DETAILS FOR PRINCIPAL REINFORCEMENT

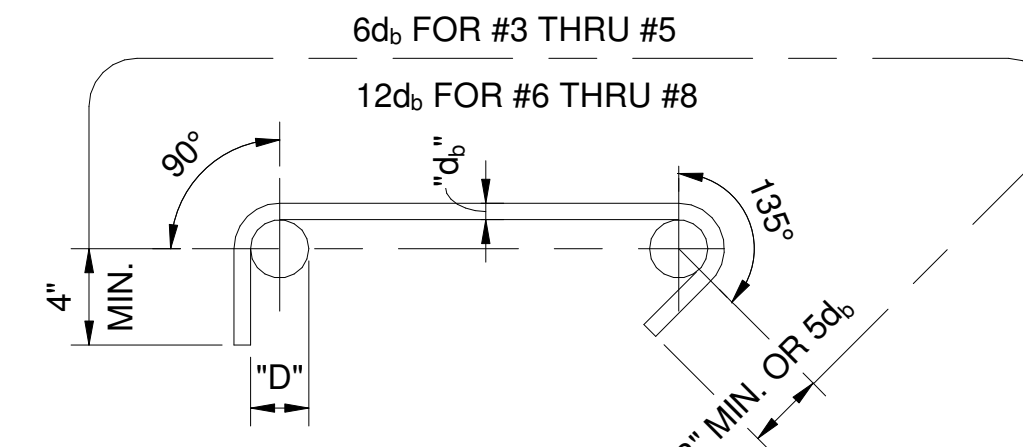


MIN. BEND DIA. (STIRRUPS & TIES)

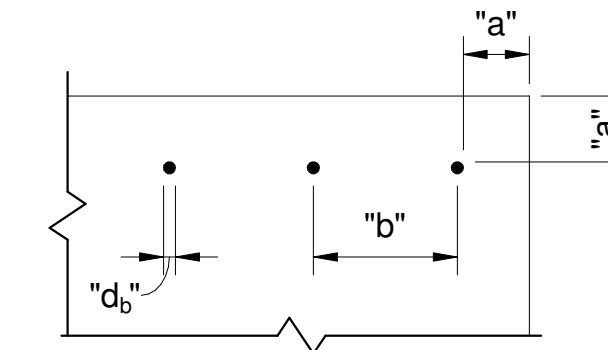
BAR	D
#3	1 1/2"
#4	2"
#5	2 1/2"
#6	4 1/2"

SPLICE LENGTHS FOR BARS PLACED AS FOLLOW CATEGORY:

CATEGORY	
I	II
a < d _b : any b	a > d _b : b > 3d _b
a > d _b : b < 3d _b	
TOP BARS	



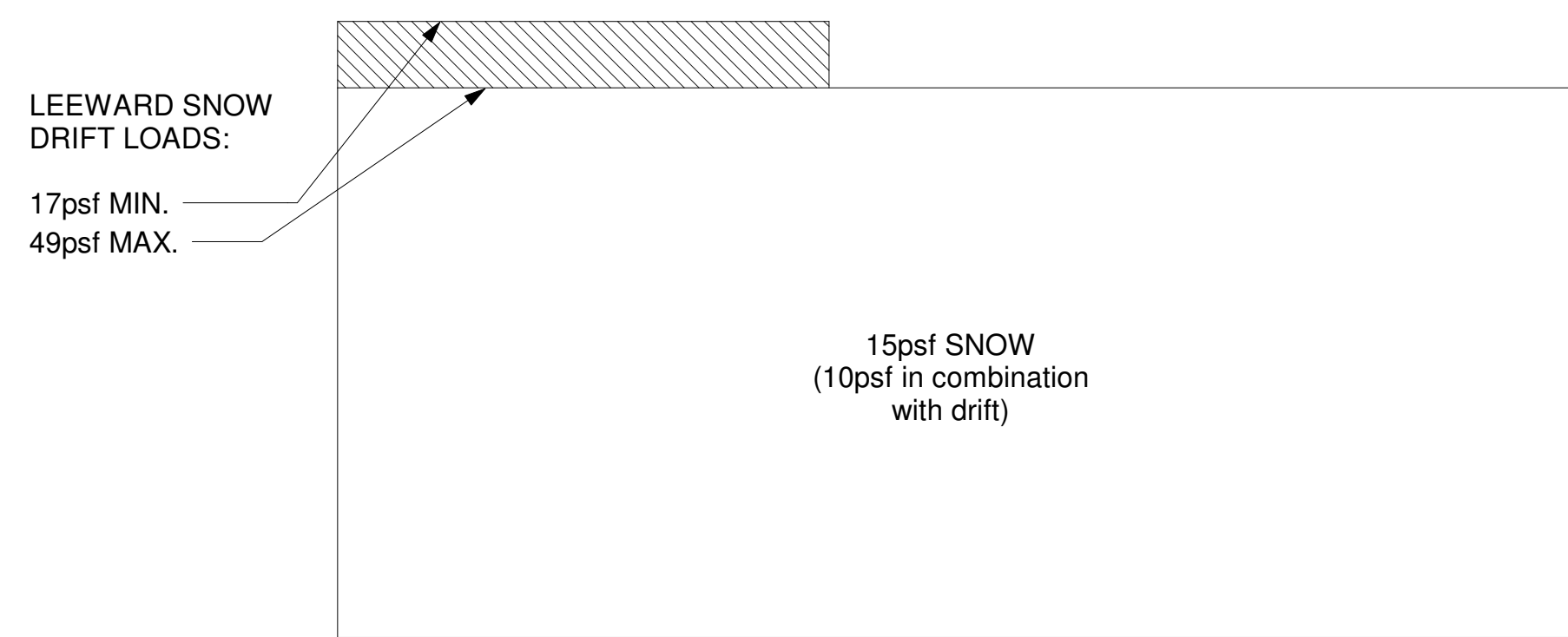
STANDARD HOOD DETAILS FOR STIRRUPS & TIES



WHERE:
 "a" IS THE CLEAR COVER
 "b" IS THE CLEAR SPACING
 "d_b" IS THE BAR DIA.

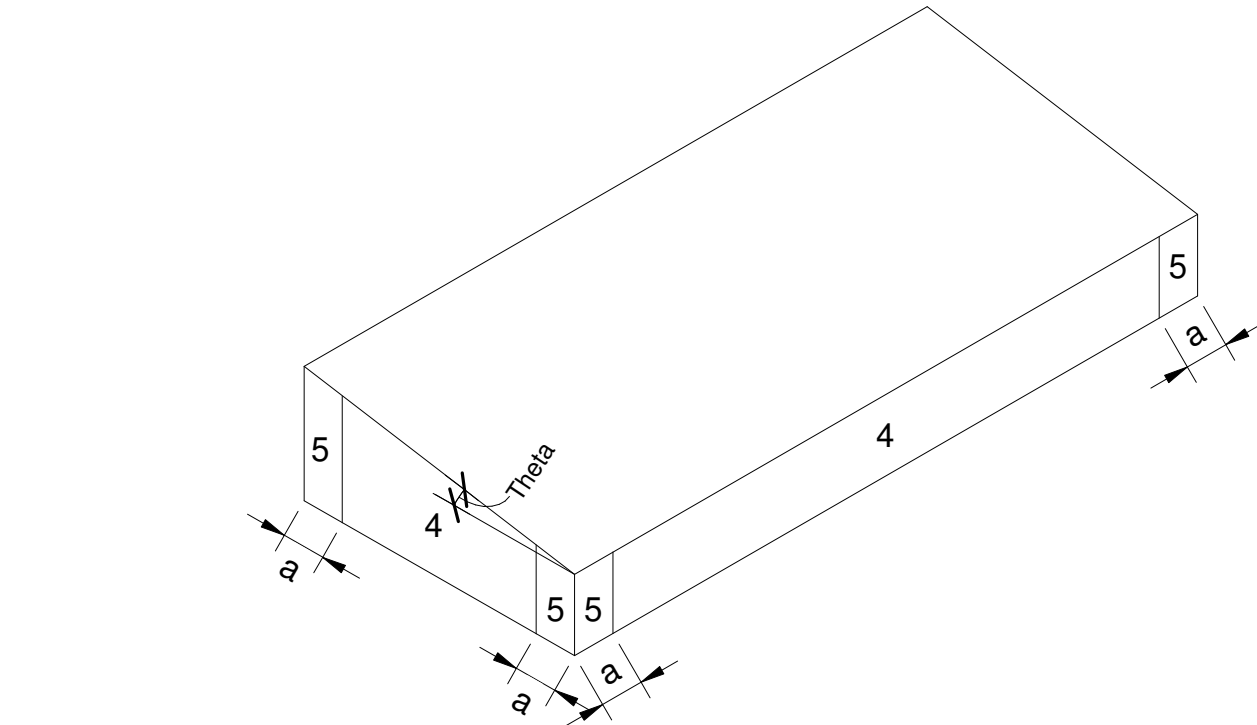
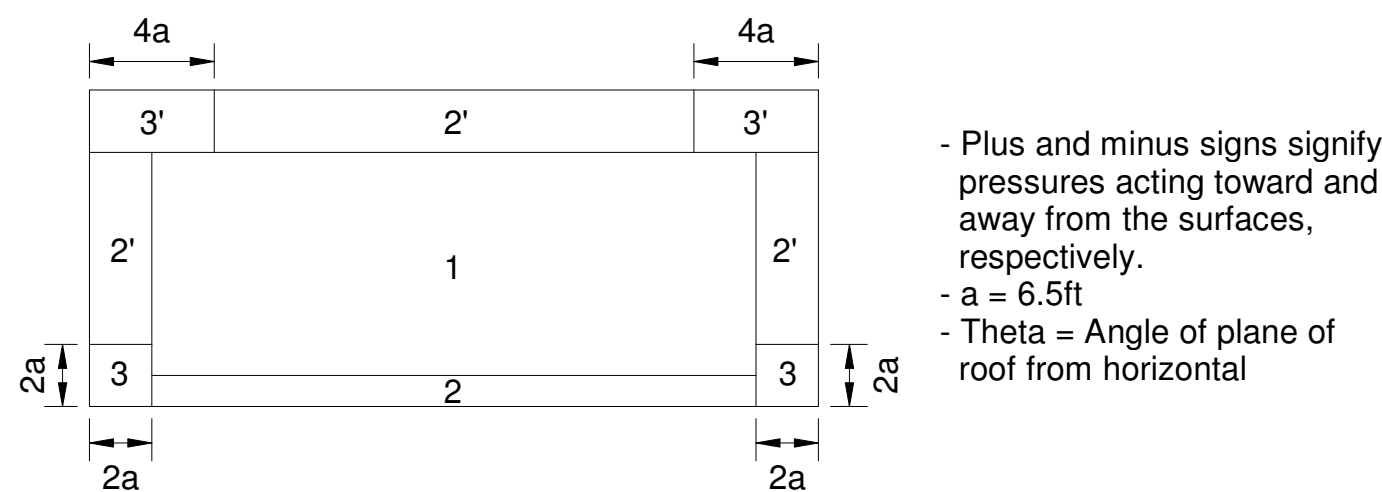
HOOK BAR EMBED LENGTH "L_{dh}"

BAR SIZE	4000 PSI CONC. f'c	5000 PSI CONC. f'c	6000 PSI CONC. f'c
#3	8	7	6
#4	10	9	8
#5	12	11	10
#6	15	13	12
#7	17	15	14
#8	19	17	16
#9	22	20	18
#10	25	22	20
#11	27	24	22



Wind C&C Pressures (LRFD, psf)

EWA	Roof					Walls		Overhangs	
	Zone 1	Zone 2	Zone 3	Zone 2'	Zone 3'	Zone 4	Zone 5	Zone 2	Zone 3
<=10 sqft	+16, -34	+16, -39	+16, -53	+16, -48	+16, -74	+29, -31	+29, -39	+16, -66	+16, -90
20 sqft	+16, -34	+16, -39	+16, -48	+16, -47	+16, -66	+28, -30	+28, -36	+16, -61	+16, -80
50 sqft	+16, -34	+16, -38	+16, -42	+16, -46	+16, -55	+26, -28	+26, -33	+16, -53	+16, -67
100 sqft	+16, -34	+16, -37	+16, -37	+16, -45	+16, -48	+25, -27	+25, -30	+16, -47	+16, -57
>200 sqft	+16, -34	+16, -37	+16, -37	+16, -45	+16, -48	+23, -26	+23, -27	+16, -42	+16, -47



HURST-ROSCHÉ, Inc.
 PROFESSIONAL DESIGN NUMBER: 164-000208
 200 N. MARKET STREET
 MARION, IL
 PH: 618.998.0075

HILLSBORO, IL
 EAST ST. LOUIS, IL
 SPRINGFIELD, IL
 ARNOLD, MO
 NASHVILLE, TN



SIGNATURE: [Signature]
 DATE: 04/23/2024
 LICENSE EXPIRES: 11-30-2024

ATHLETIC TRAINING FACILITY
 WABASH VALLEY COLLEGE
 2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
 ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04/23/2024
 PROJECT NO: 395-3272
 DESIGN: ZDT
 DRAWN: ZDT
 CHECK: CJC

STRUCTURAL NOTES

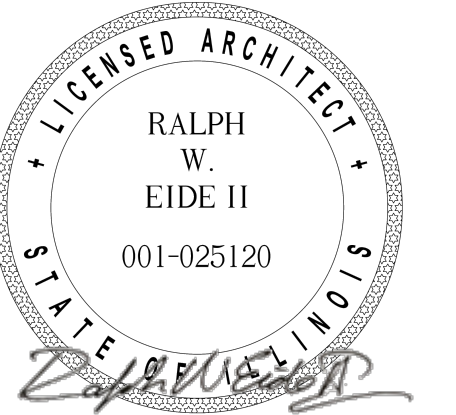
S-002



HURST-ROSCHKE, Inc.
PROFESSIONAL DESIGN NUMBER: 164-000208

200 N. MARKET STREET
MARION, IL
PH: 618.998.0075

HILLSBORO, IL
EAST ST. LOUIS, IL
SPRINGFIELD, IL
ARNOLD, MO
NASHVILLE, TN



SIGNATURE
04/23/2024
DATE
11-30-2024
LICENSE EXPIRES

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

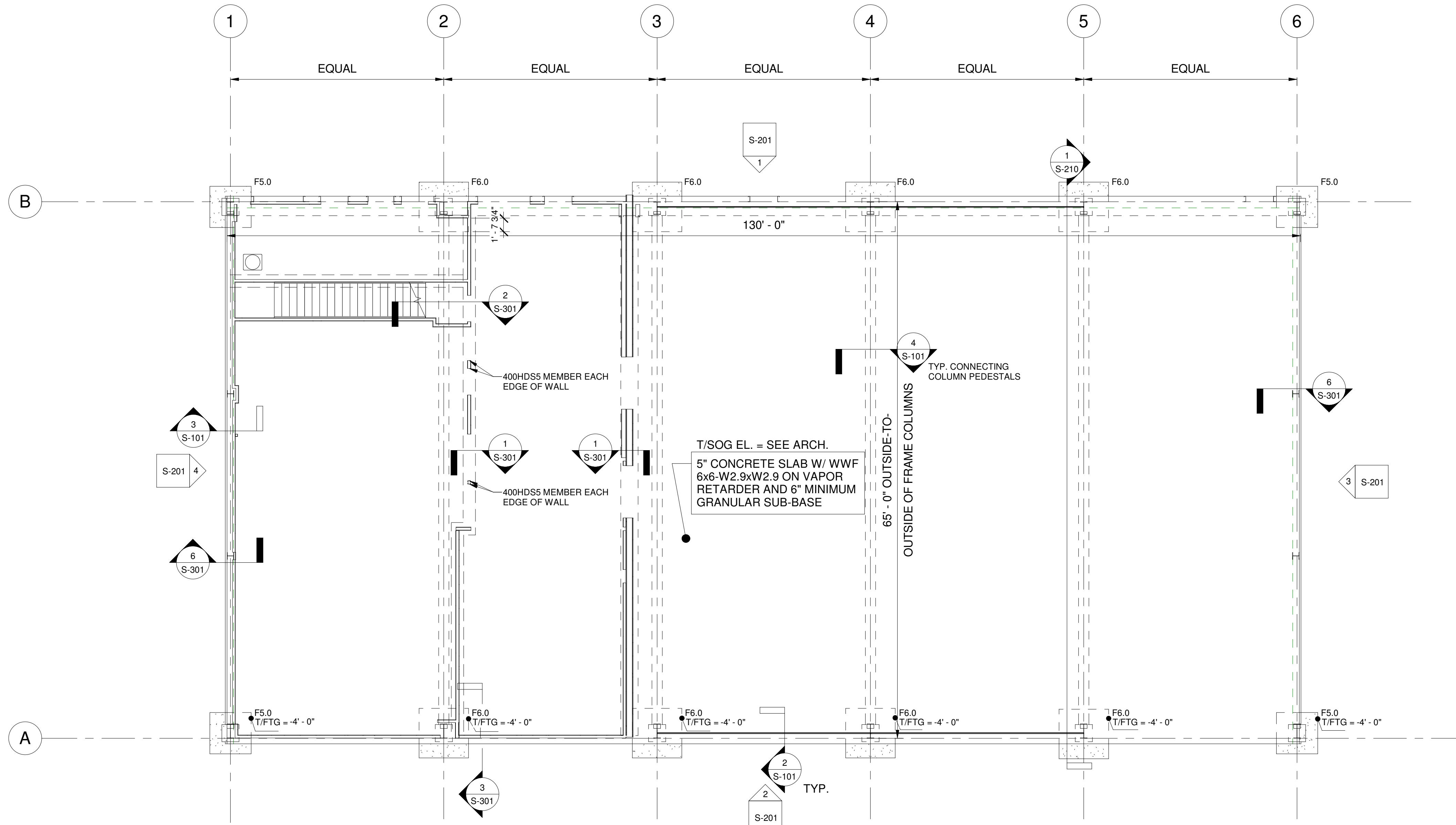
DATE: 04/23/2024

PROJECT NO: 395-3272

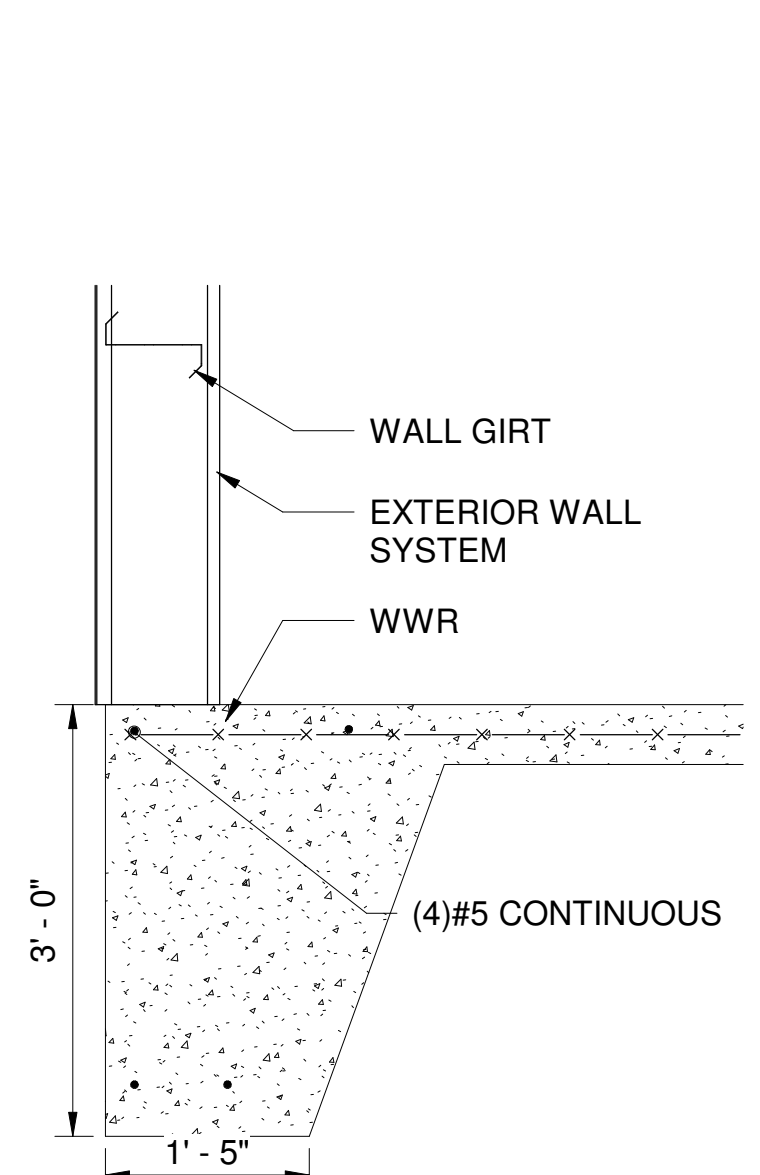
DESIGN: ZDT DRAWN: ZDT CHECK: CJC

FOUNDATION PLAN

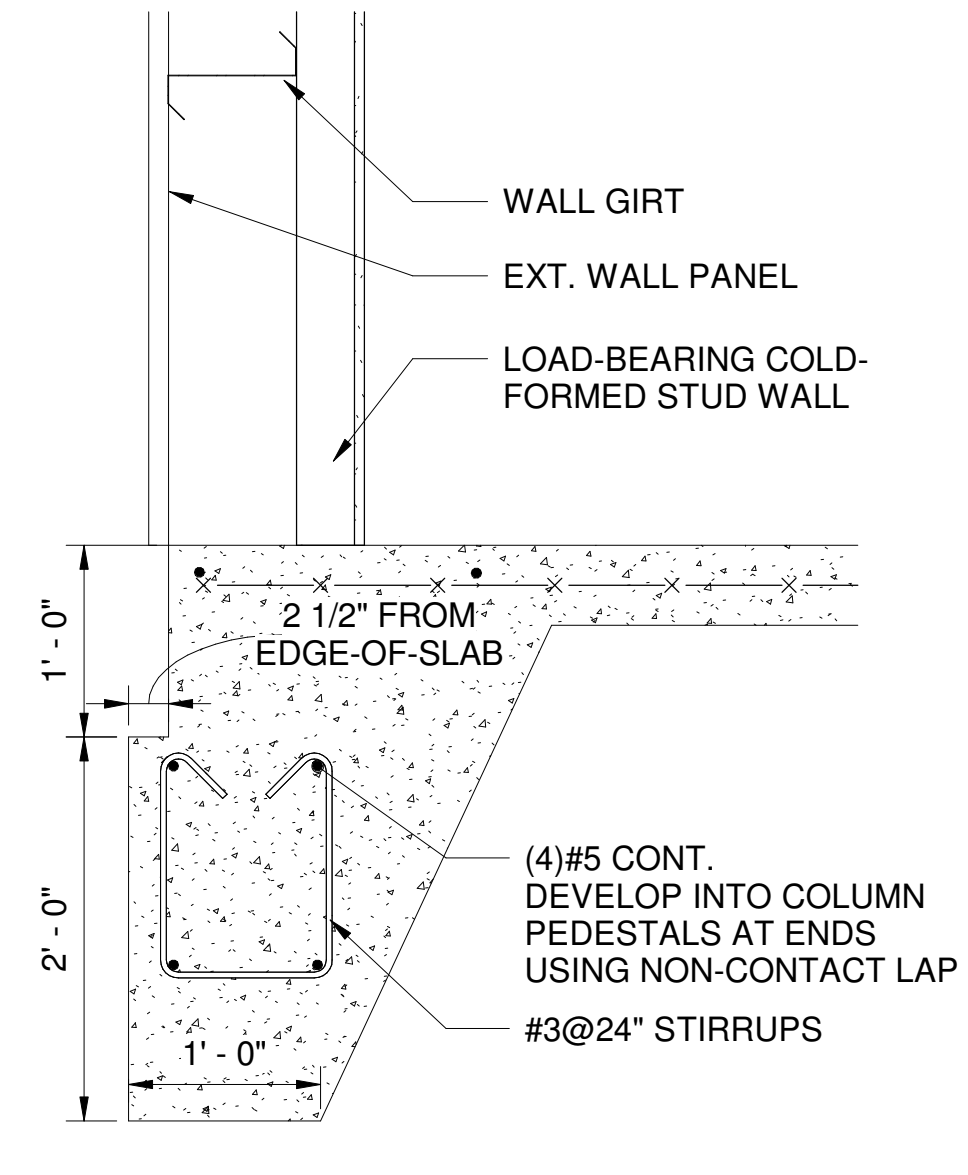
S-101



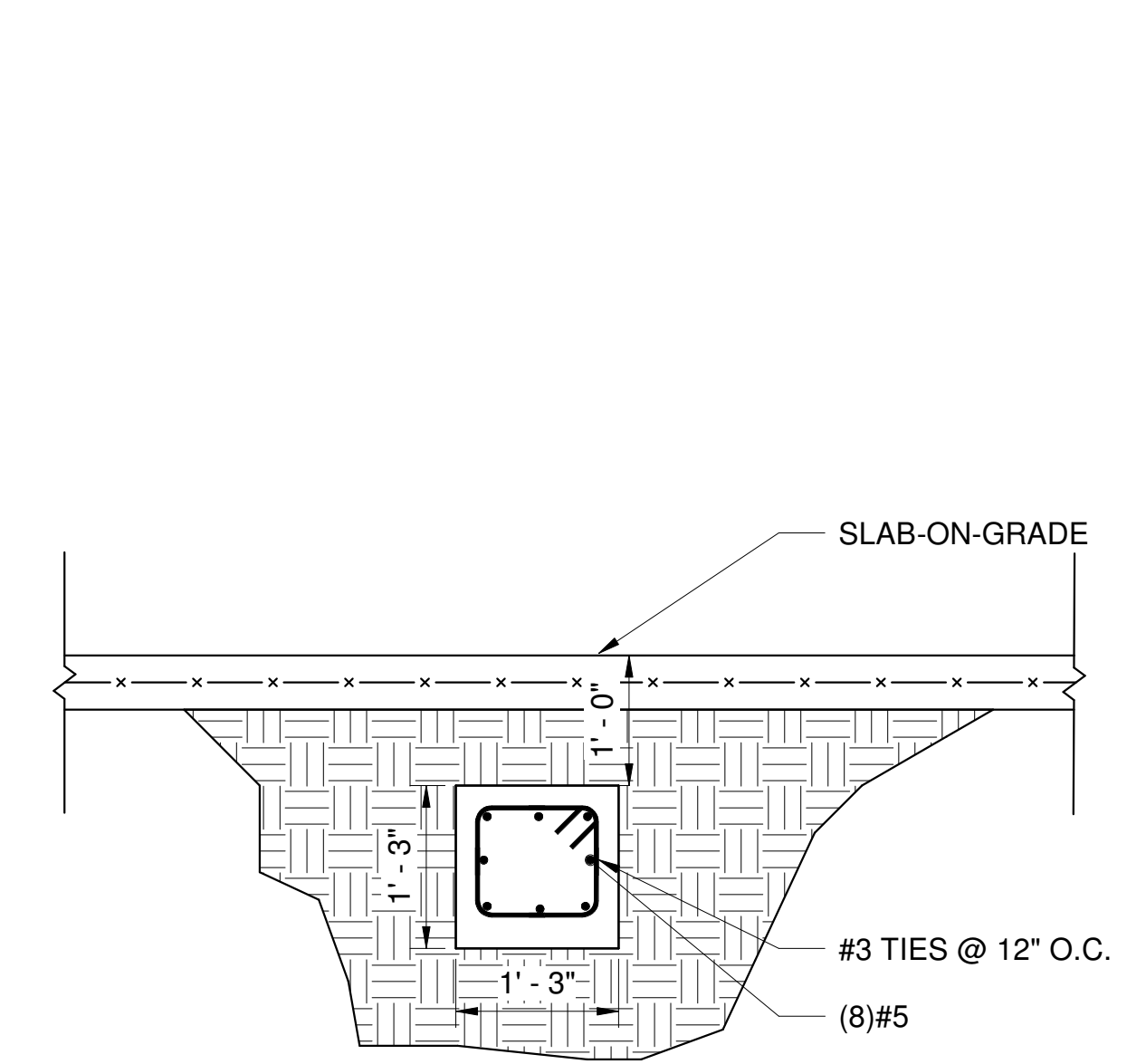
1 FINISHED FLOOR
SCALE: 1/8" = 1'-0"



2 Typ. Slab Edge Detail
SCALE: 3/4" = 1'-0"



3 Turndown Parallel to Ridge Frame



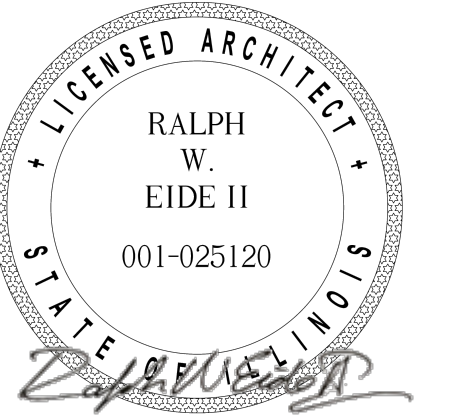
4 Rigid Frame Tiebeam
SCALE: 3/4" = 1'-0"



HURST-ROSCHE, Inc.
PROFESSIONAL DESIGN NUMBER: 164-000298

200 N. MARKET STREET
MARION, IL
PH: 618.998.0075

HILLSBORO, IL
EAST ST. LOUIS, IL
SPRINGFIELD, IL
ARNOLD, MO
NASHVILLE, TN



SIGNATURE: [Signature]
DATE: 04/23/2024
DATE: 11-30-2024
LICENSE EXPIRES

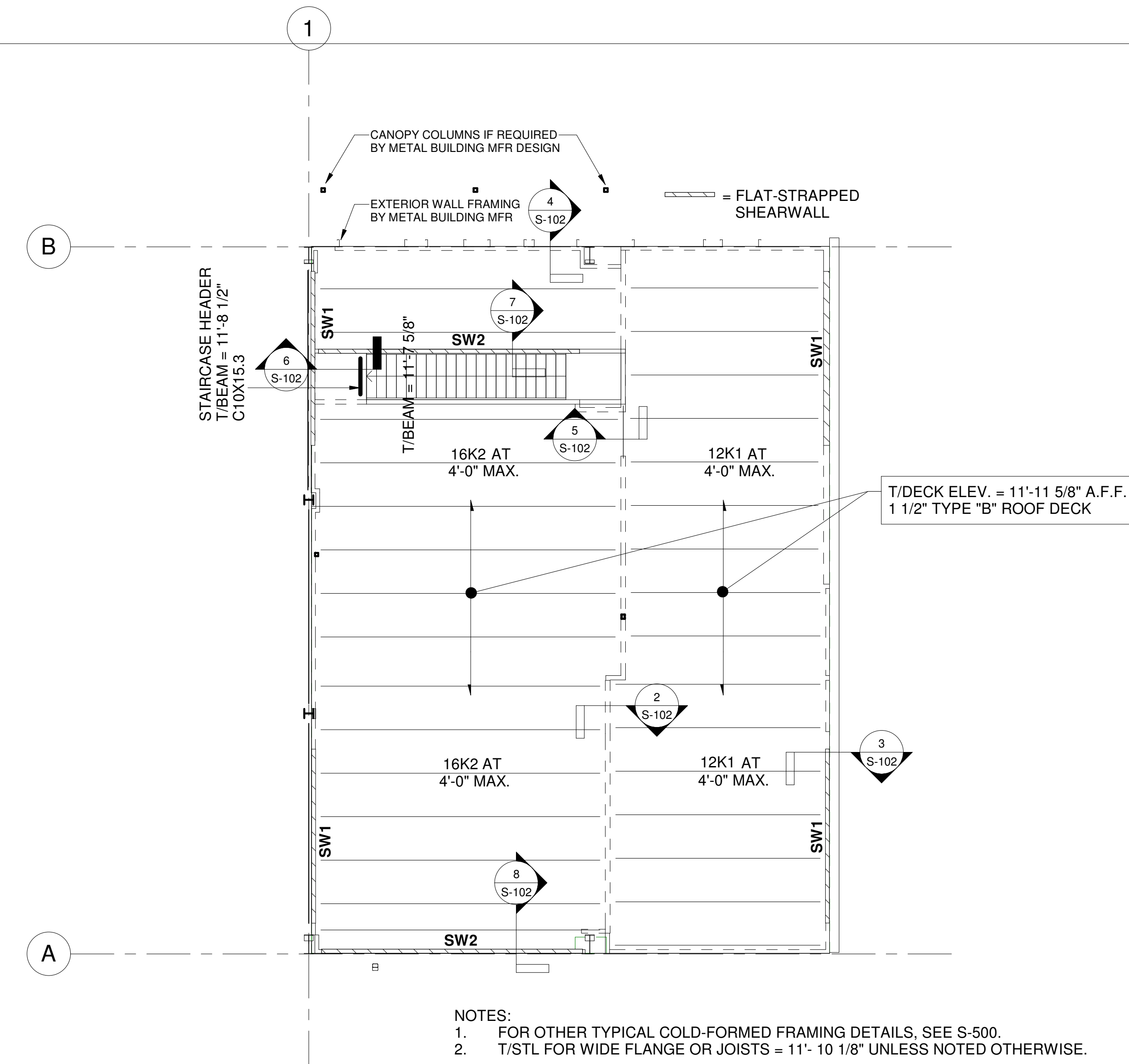
ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

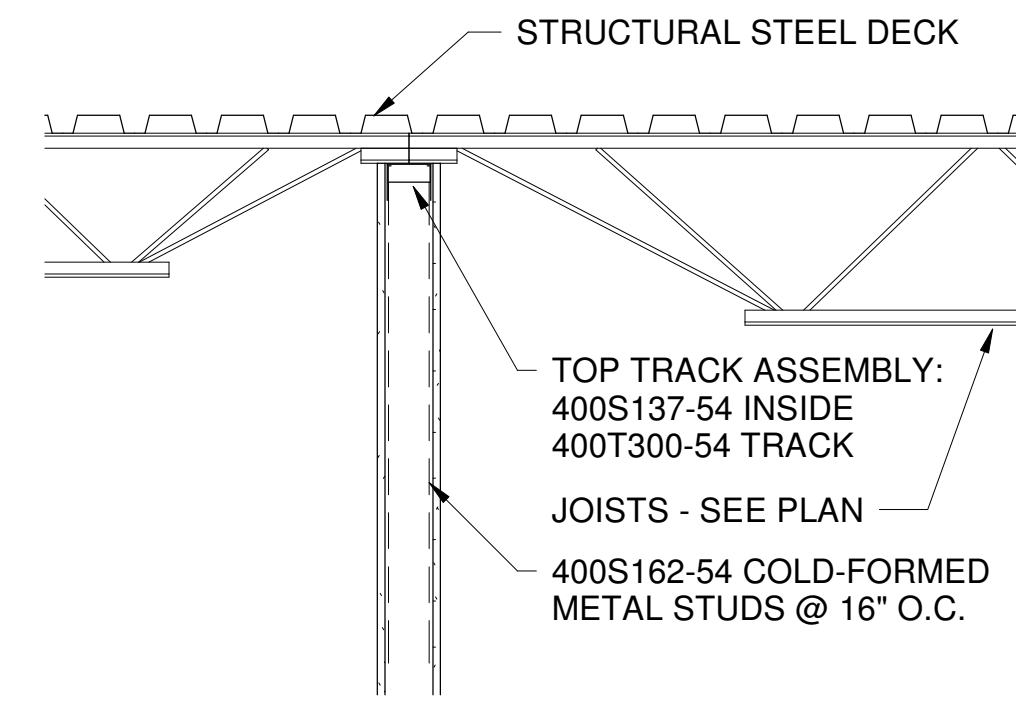
DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: ZDT DRAWN: ZDT CHECK: CJC

STORAGE PLAN

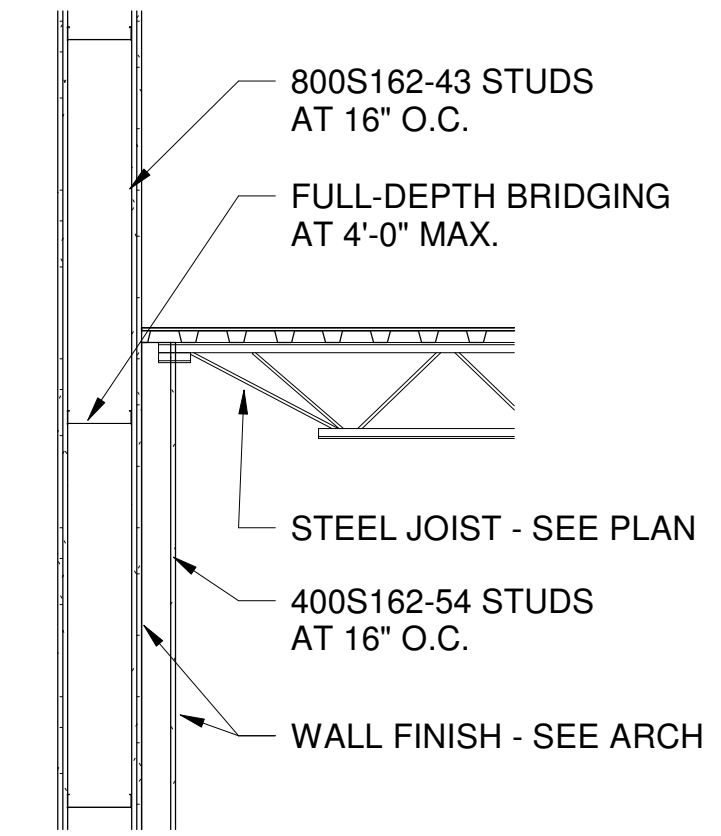
S-102



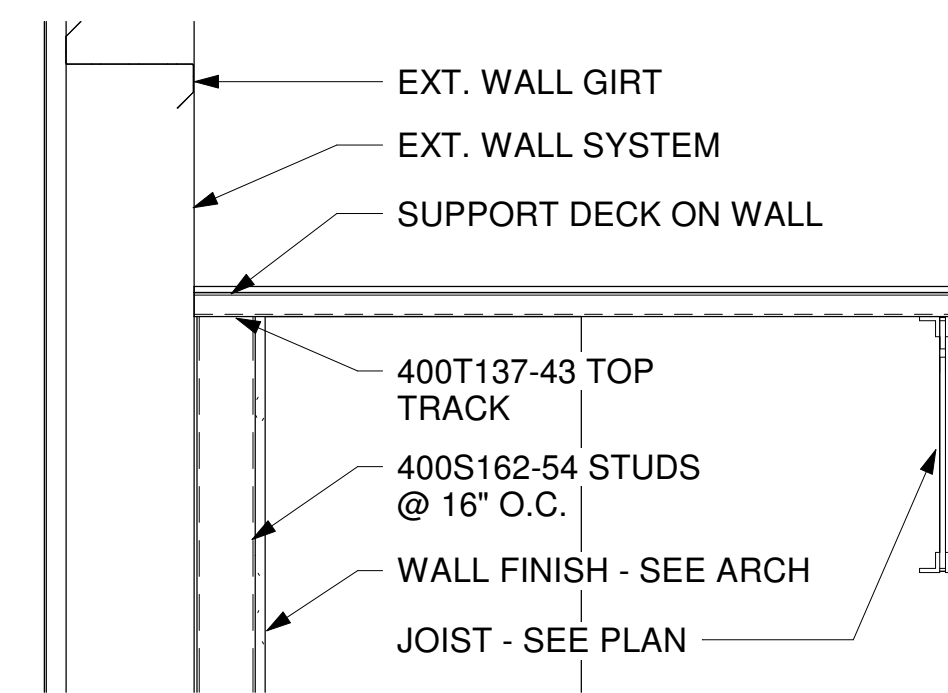
1 Storage/Mezzanine Framing Plan
SCALE: 1/8" = 1'-0"



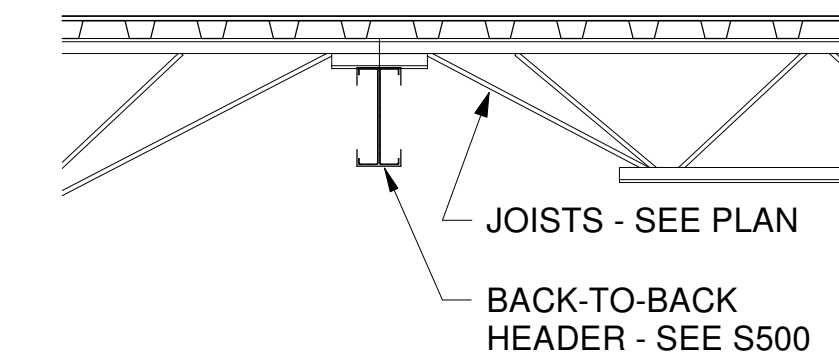
2 Typ. Jst Bearing Section



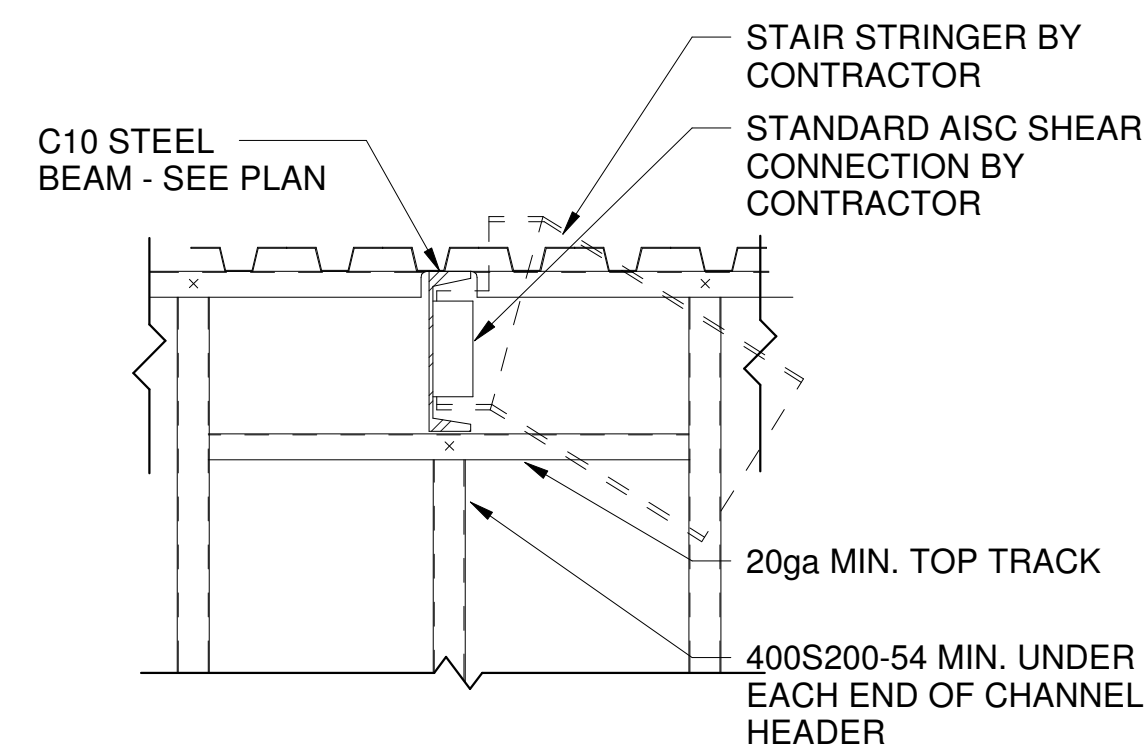
3 Jst Bearing Near Partition Wall



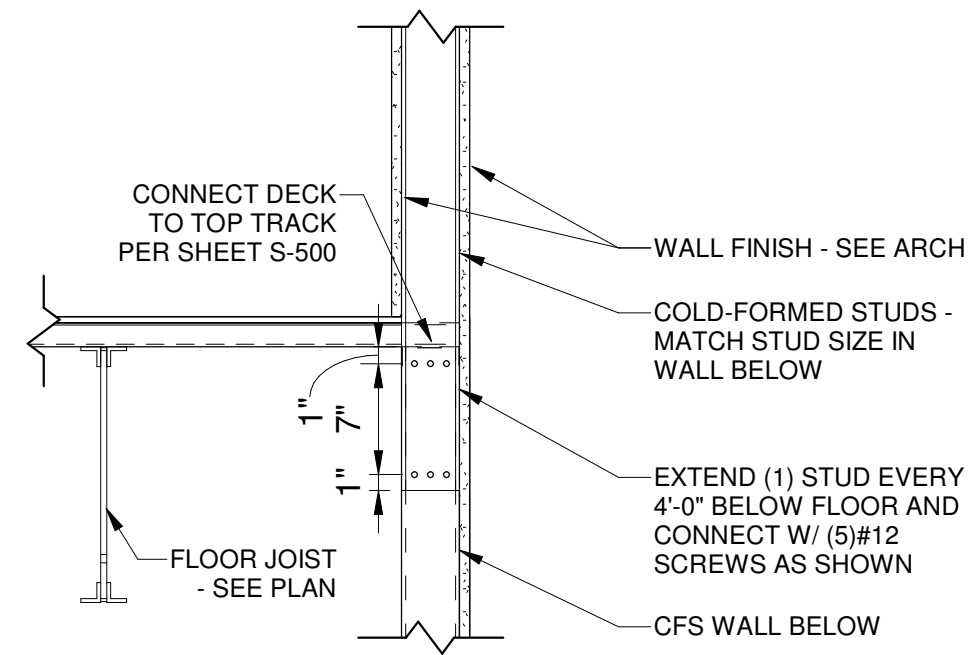
4 Typ. Deck Bearing Near Exterior



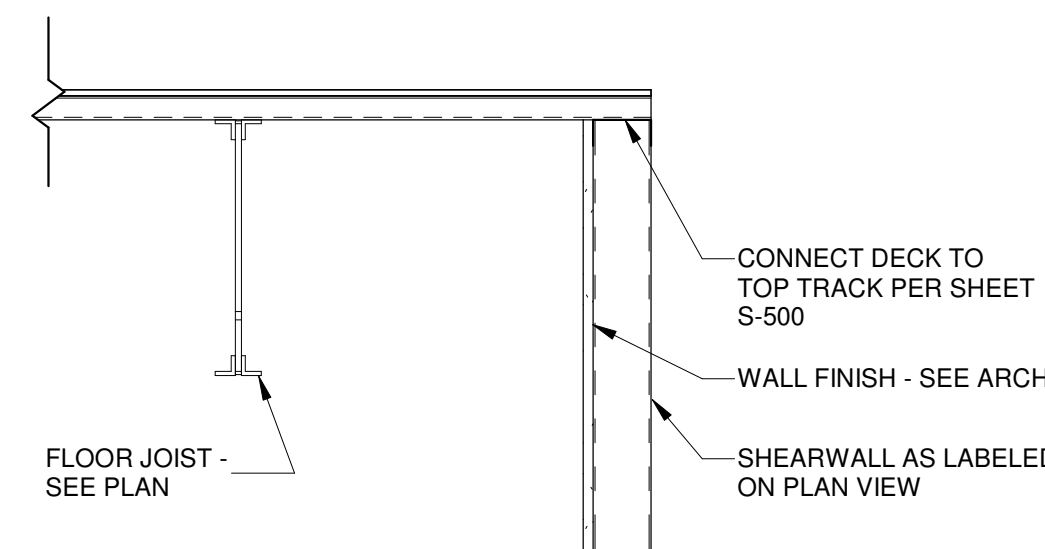
5 Typ. Header Over Opening



6 Section at Stair Landing
SCALE: 1" = 1'-0"



7 Section at Stairwell Edge
SCALE: 1" = 1'-0"



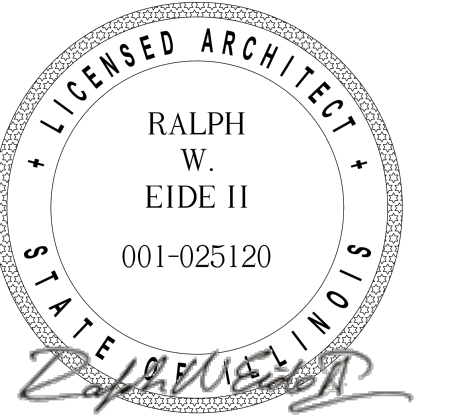
8 Deck Bearing on SW



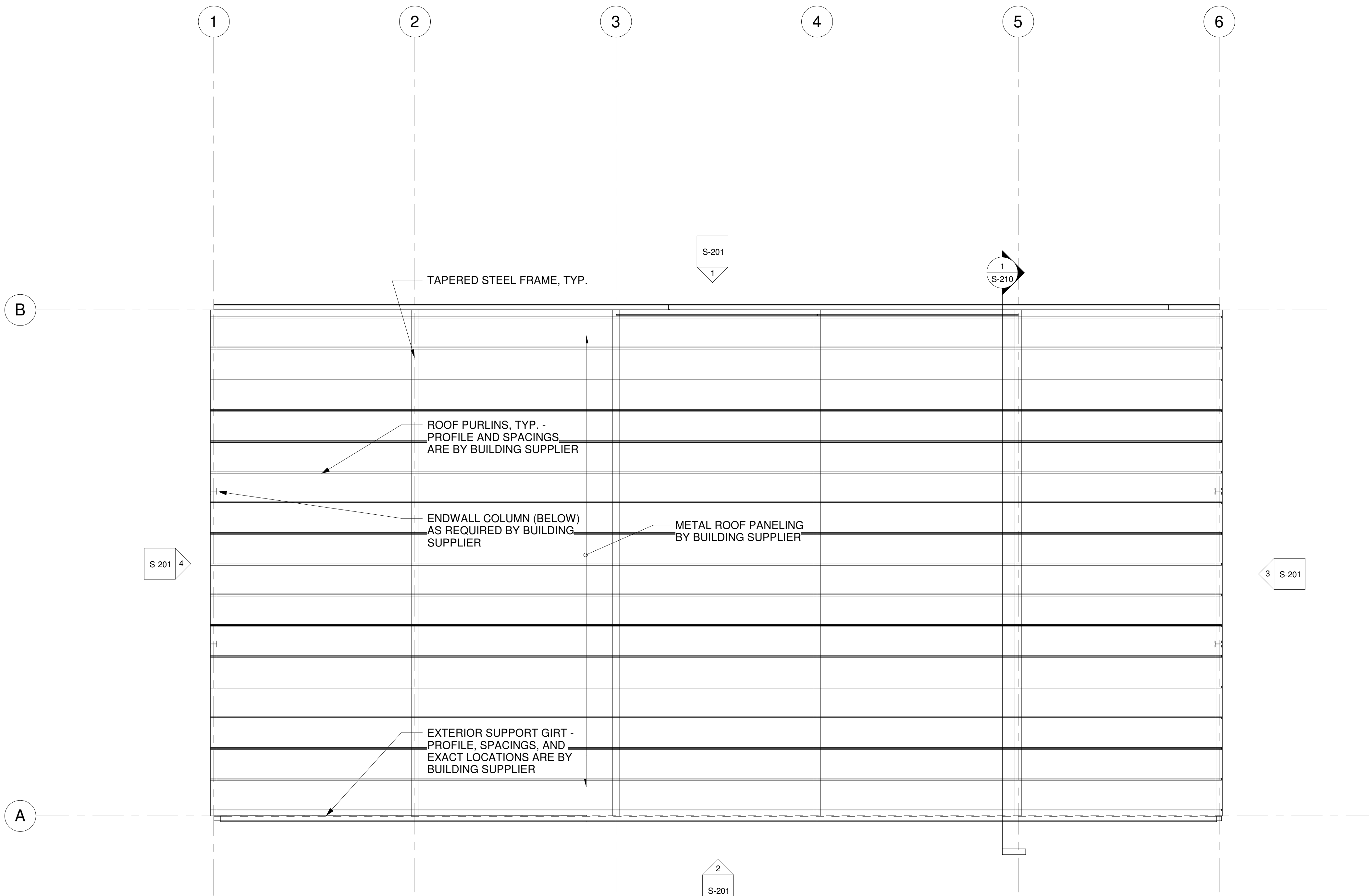
HURST-ROSCHKE, Inc.
PROFESSIONAL DESIGN NUMBER: 164-000298

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MARION, IL
PH:618.998.0075

HILLSBORO, IL
EAST ST. LOUIS, IL
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04/23/2024
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1 S-104 ROOF HIGH STR
SCALE: 1/8" = 1'-0"

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WABASH VALLEY COLLEGE
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MARK	DATE	DESCRIPTION

DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: ZDT DRAWN: ZDT CHECK: CJC

ROOF PLAN

S-104

SHEET NOTES:

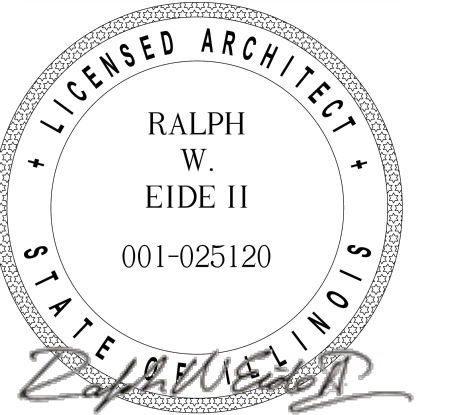
- METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR DESIGN OF RIGID FRAMES, ROD BRACING, WALL GIRTS, ROOF PURLINS, ENDWALL COLUMNS, AND OTHER COMPONENTS SUPPLIED BY THE MANUFACTURER. LOCATIONS, SIZES, AND SPACING SHOWN ON THE CONTRACT DOCUMENTS ARE FOR GENERAL GUIDANCE ONLY.
- ALL RIGID FRAME BAYS SHALL BE PART OF THE LATERAL LOAD RESISTING SYSTEM, INCLUDING THE ENDWALL FRAMES.
- ROD OR CABLE CROSS BRACING SHALL BE LOCATED IN THE BAYS SHOWN ON THE ELEVATIONS. DESIGN OF THE RODS AND THEIR CONNECTIONS ARE BY THE METAL BUILDING MANUFACTURER.



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DATE: 04/23/2024
DATE: 11-30-2024
LICENSE EXPIRES

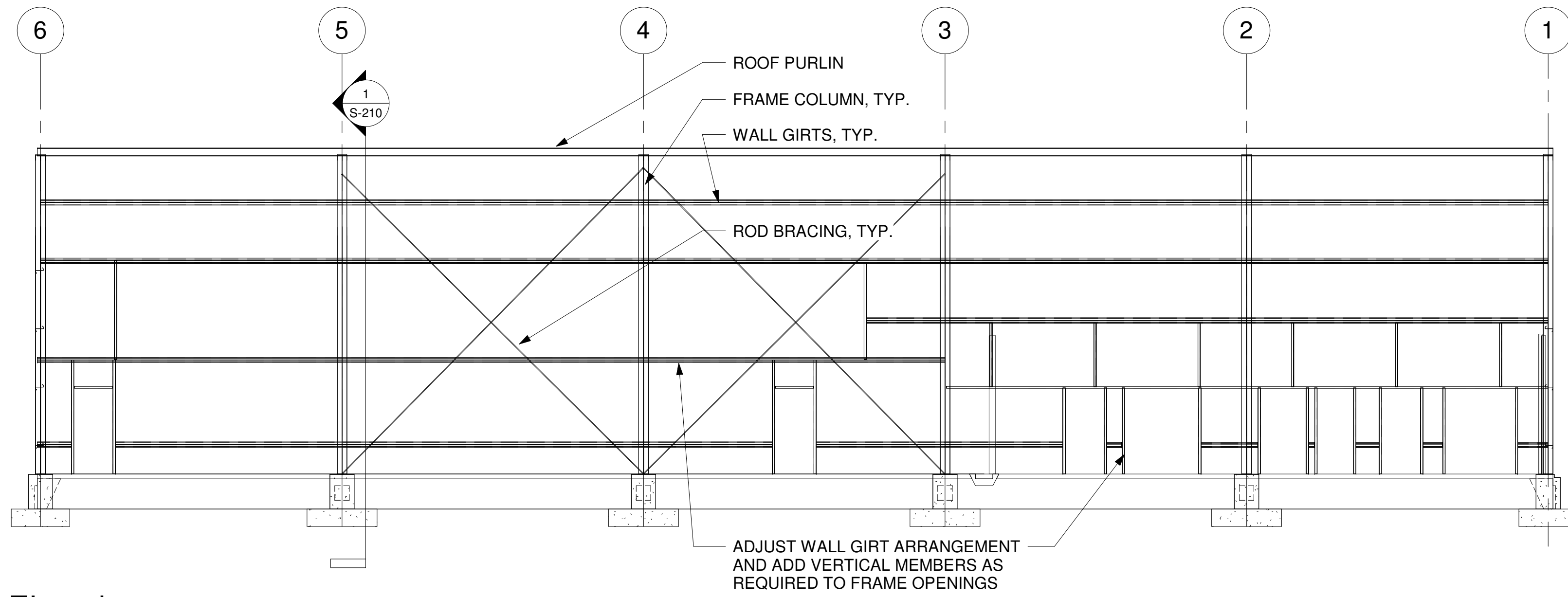
ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
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MARK	DATE	DESCRIPTION

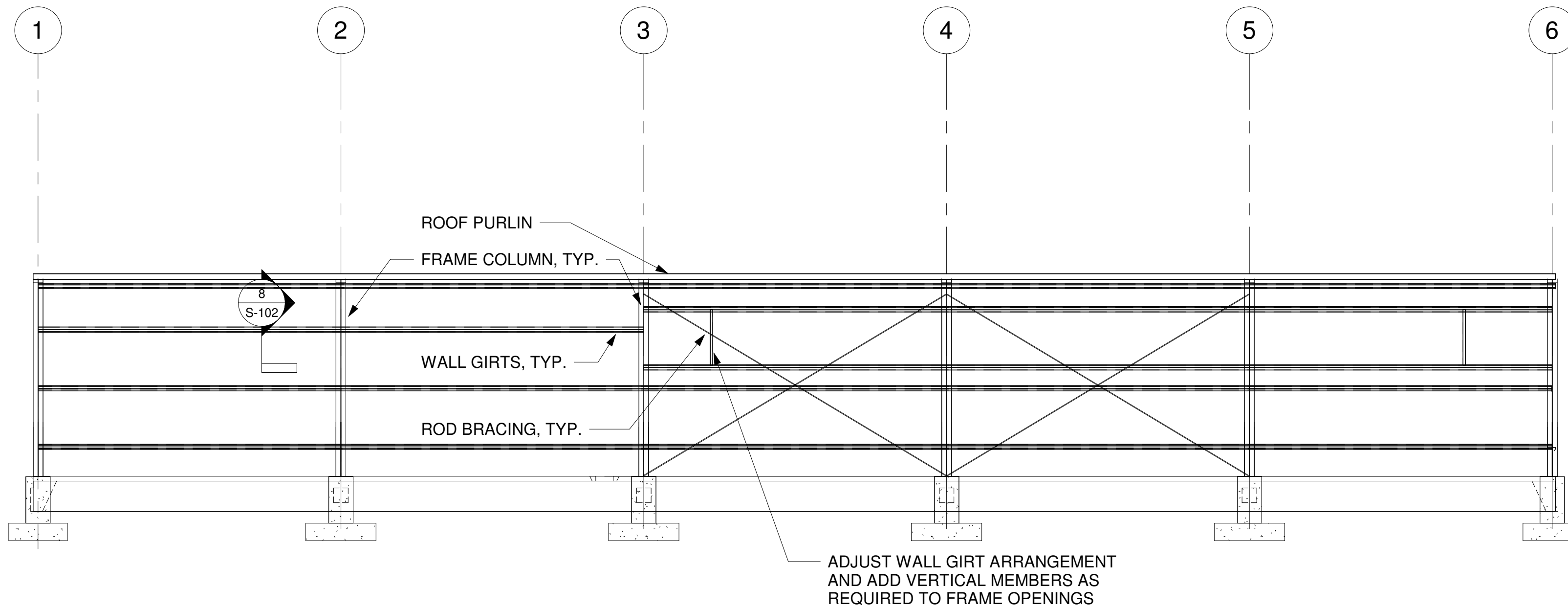
DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: ZDT DRAWN: ZDT CHECK: CJC

STRUCTURAL
EXTERIOR
ELEVATIONS

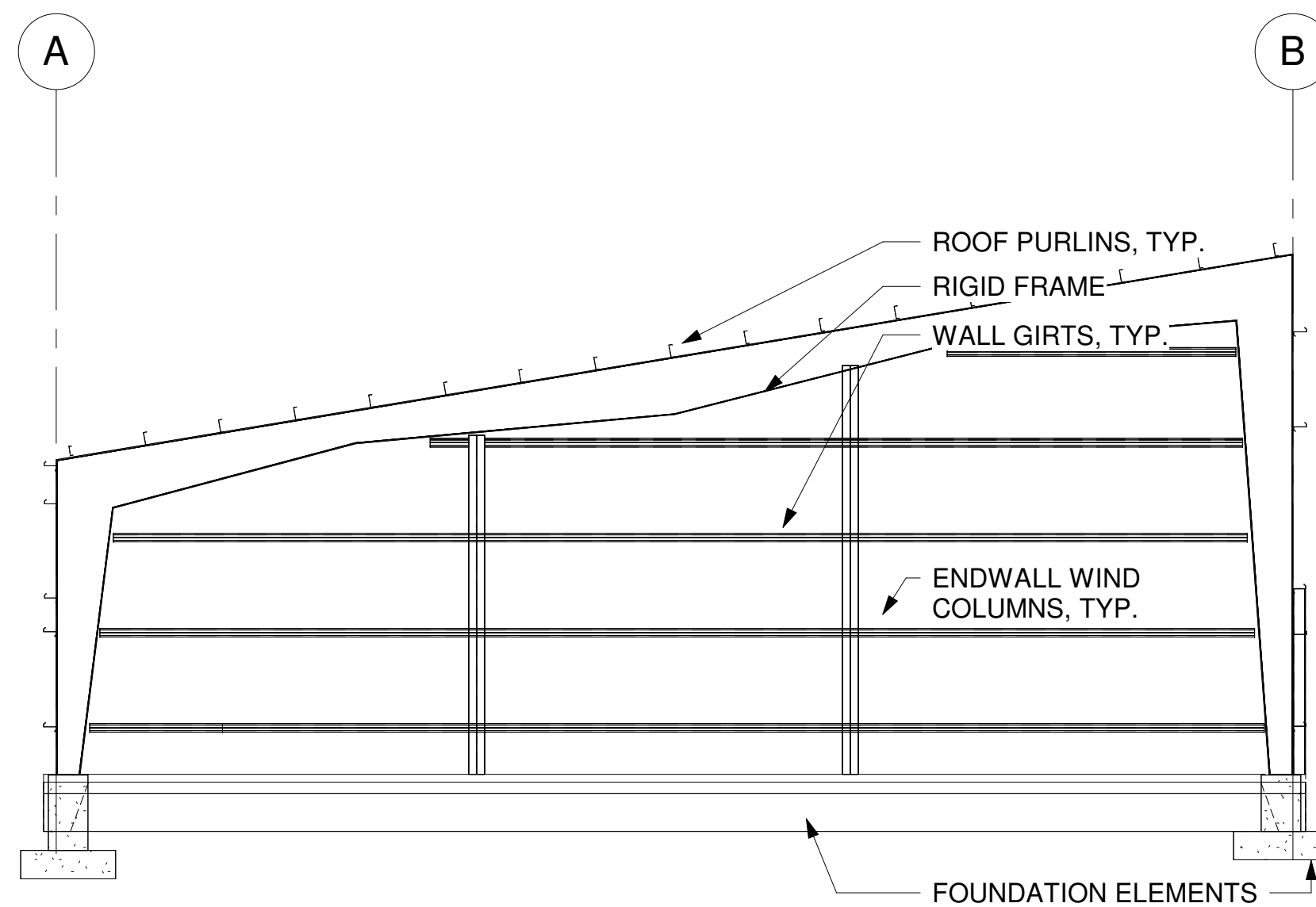
S-201



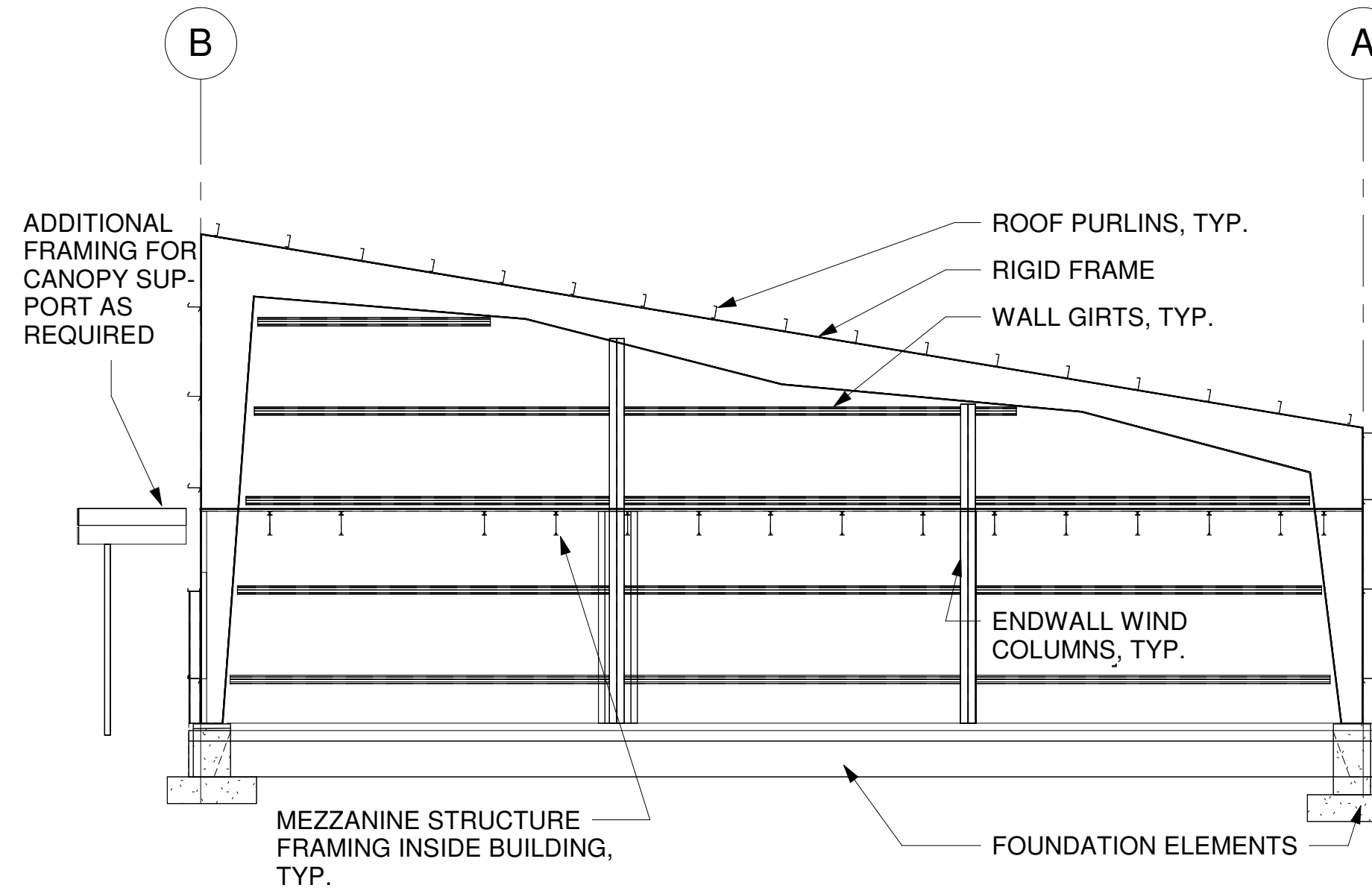
1 North Elevation
S-201 SCALE: 1/8" = 1'-0"



2 South Elevation
S-201 SCALE: 1/8" = 1'-0"



3 East Elevation
S-201 SCALE: 1/8" = 1'-0"



4 West Elevation
S-201 SCALE: 1/8" = 1'-0"

SHEET NOTES:

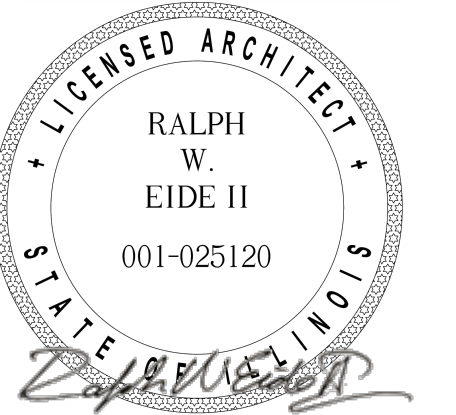
- METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR DESIGN OF RIGID FRAMES, ROD BRACING, WALL GIRTS, ROOF PURLINS, ENDWALL COLUMNS, AND OTHER COMPONENTS SUPPLIED BY THE MANUFACTURER. LOCATIONS, SIZES, AND SPACING SHOWN ON THE CONTRACT DOCUMENTS ARE FOR GENERAL GUIDANCE ONLY.
- ALL RIGID FRAME BAYS SHALL BE PART OF THE LATERAL LOAD RESISTING SYSTEM, INCLUDING THE ENDWALL FRAMES.
- ROD OR CABLE CROSS BRACING SHALL BE LOCATED IN THE BAYS SHOWN ON THE ELEVATIONS. DESIGN OF THE RODS AND THEIR CONNECTIONS ARE BY THE METAL BUILDING MANUFACTURER.



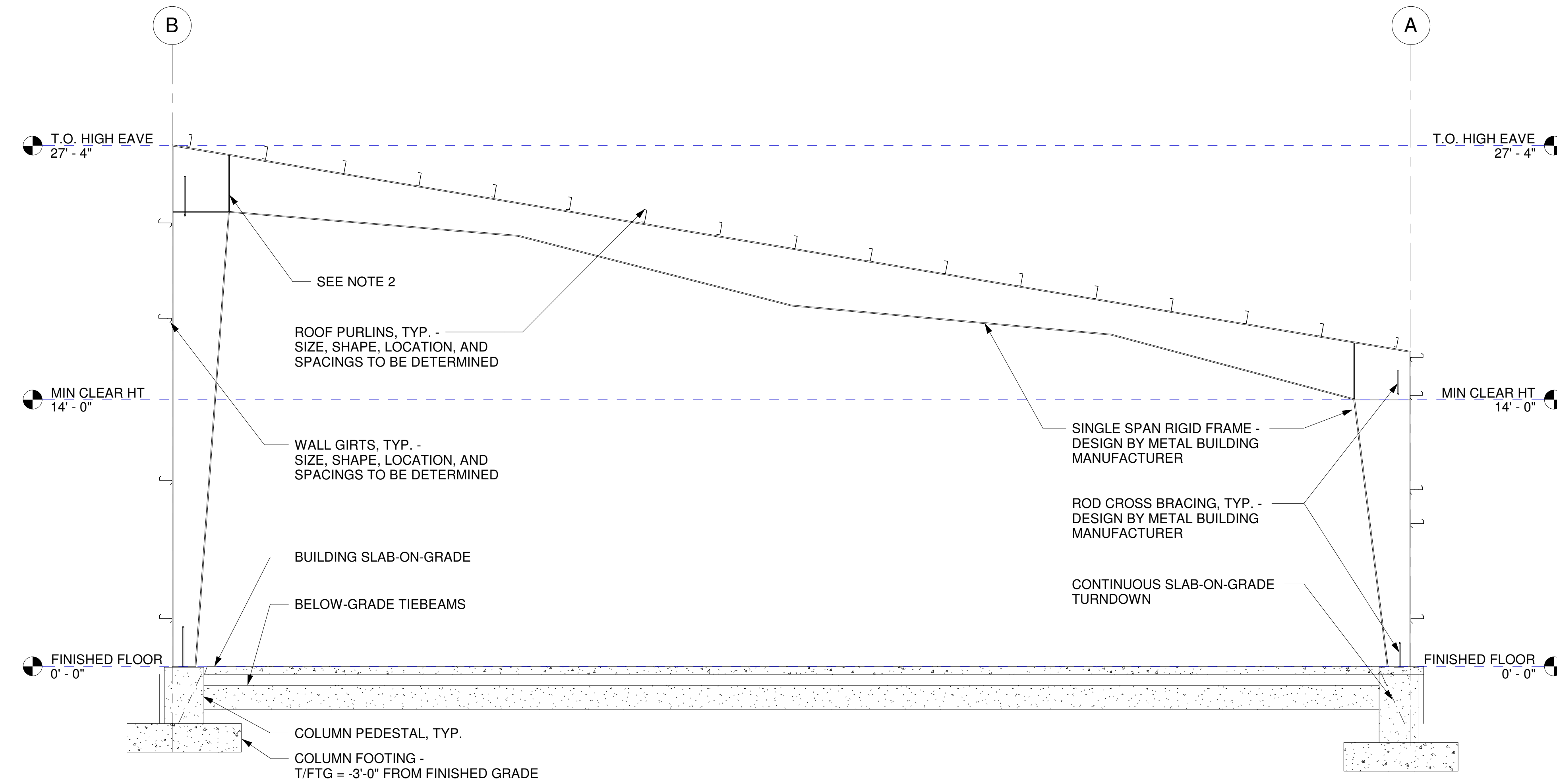
HURST-ROSCHÉ, Inc.
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SIGNATURE
04/23/2024
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11-30-2024
LICENSE EXPIRES



1 Frame Section
S-210 SCALE: 1/4" = 1'-0"

- SHEET NOTES:
1. METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR DESIGN OF RIGID FRAMES, ROD BRACING, WALL GIRTS, ROOF PURLINS, ENDWALL COLUMNS, AND OTHER COMPONENTS SUPPLIED BY THE MANUFACTURER. LOCATIONS, SIZES, AND SPACING SHOWN ON THE CONTRACT DOCUMENTS ARE FOR GENERAL GUIDANCE ONLY.
 2. STEEL RIGID FRAMES DETAILS INCLUDING WEB STIFFENERS, DOUBLER PLATES, SPLICE CONNECTIONS, AND OTHER SIMILAR ELEMENTS ARE THE RESPONSIBILITY OF THE BUILDING MANUFACTURER.
 3. ALL RIGID FRAME BAYS SHALL BE PART OF THE LATERAL LOAD RESISTING SYSTEM, INCLUDING THE ENDWALL FRAMES.

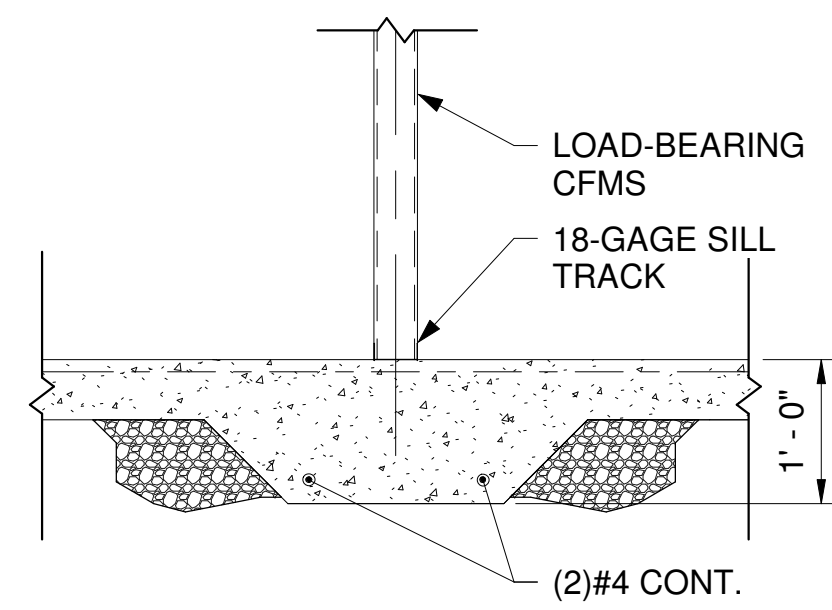
ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

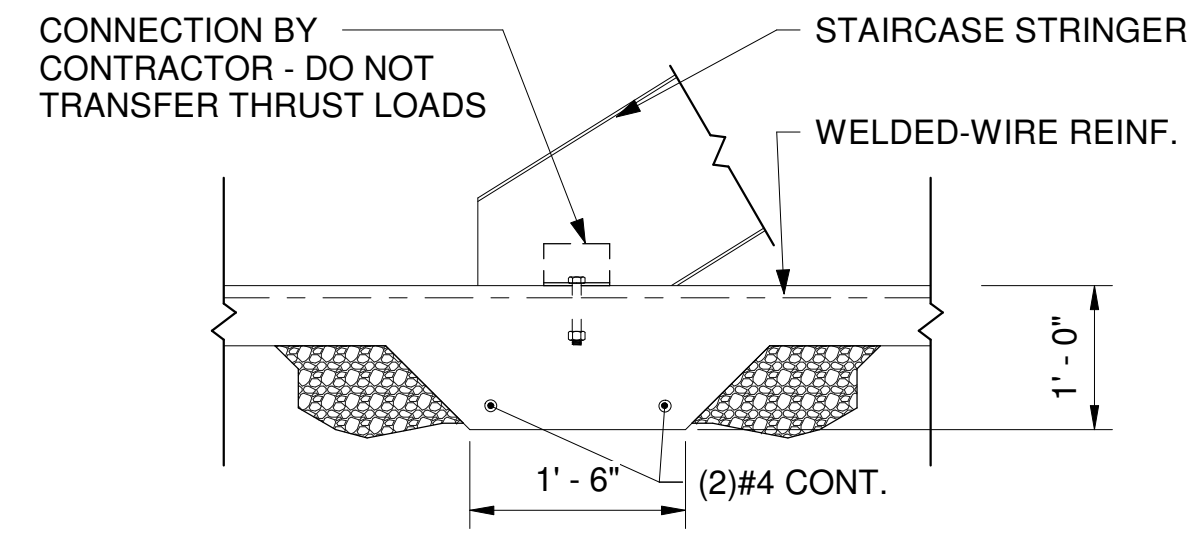
DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: ZDT DRAWN: ZDT CHECK: CJC

TYPICAL FRAME
ELEVATION

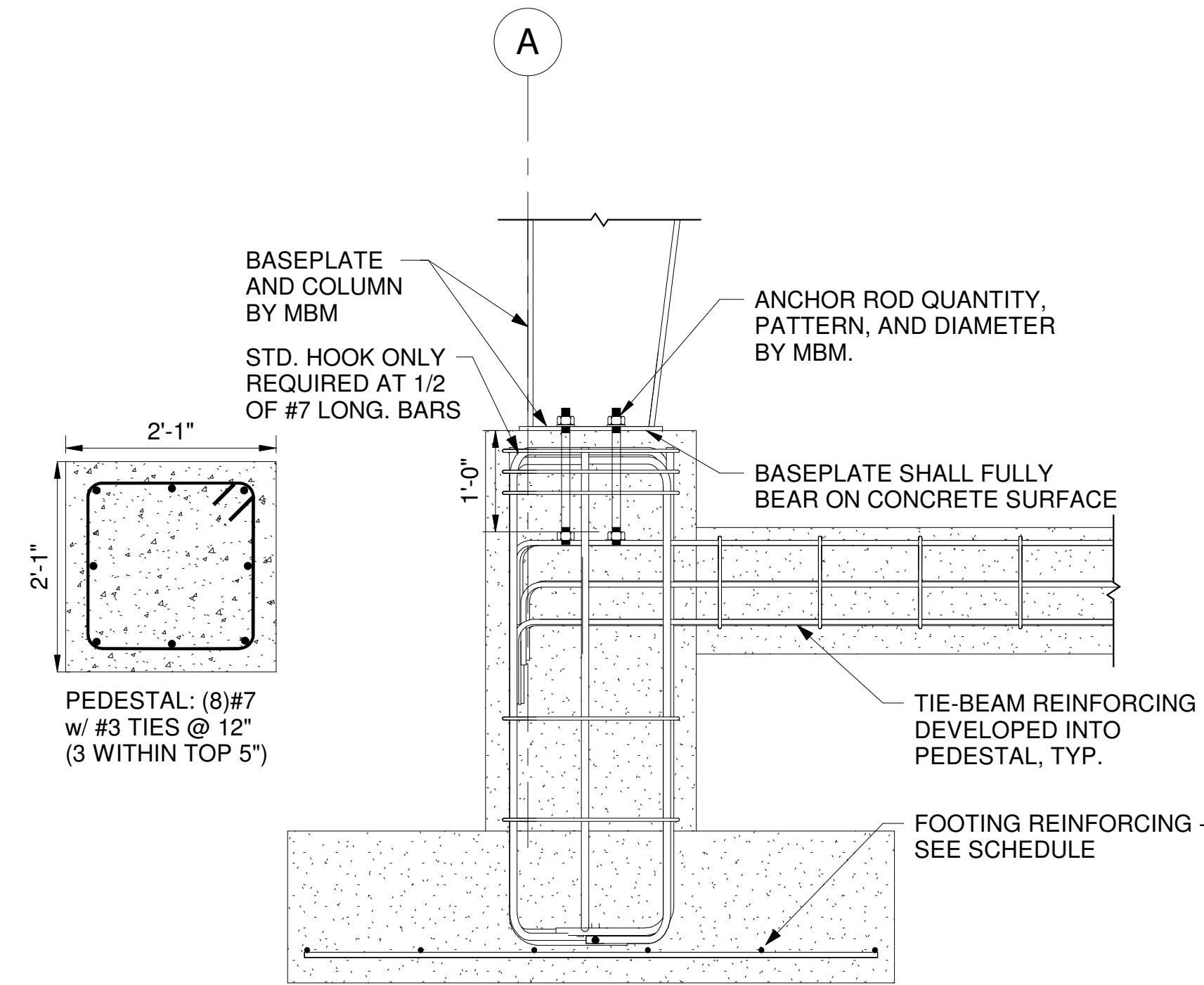
S-210



1 S-301 Typ. Thickened Slab at Load-Bearing Walls



2 S-301 Thickened Slab at Stair Riser

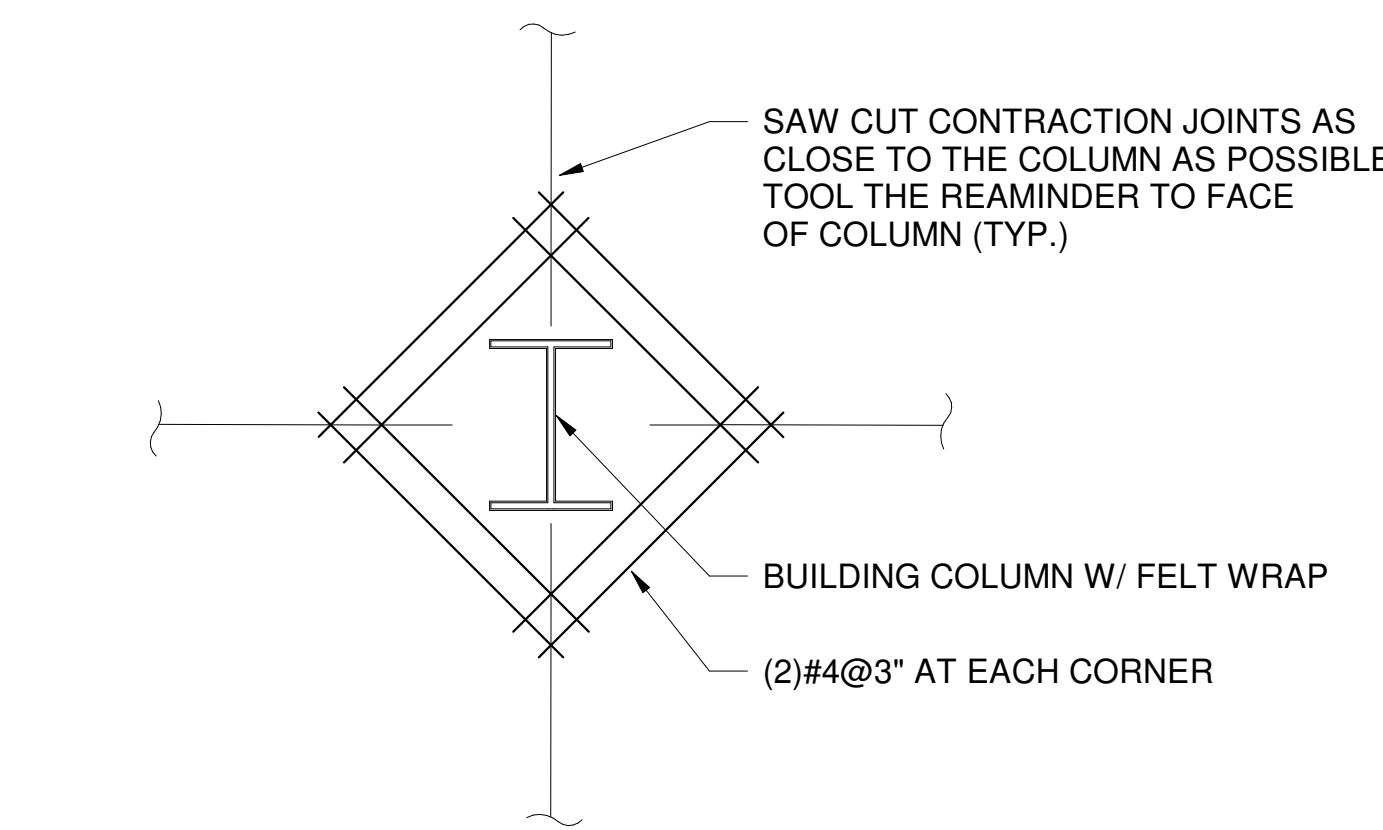
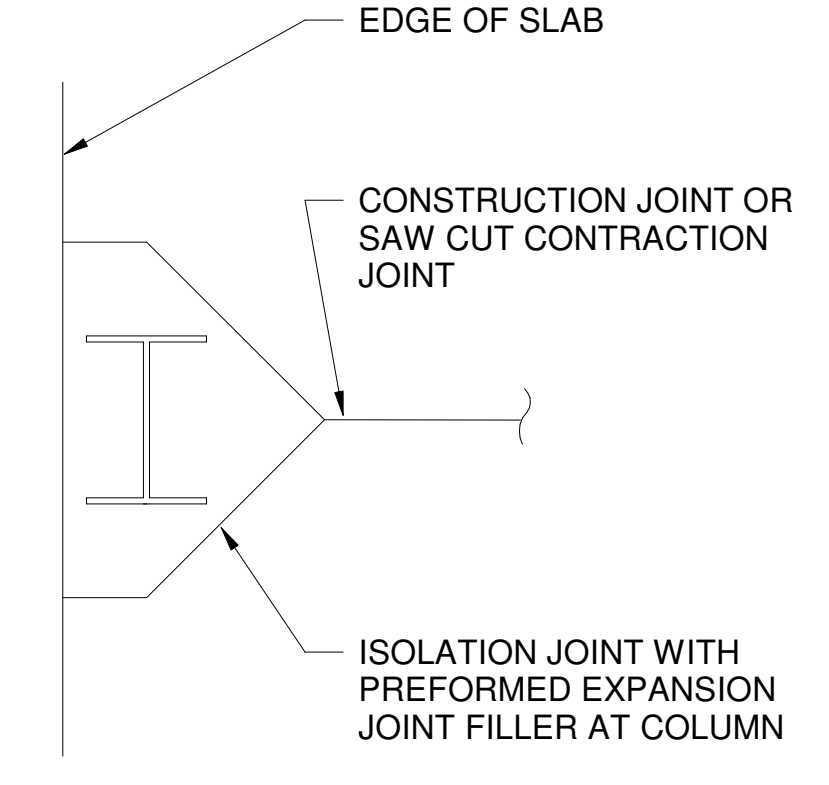
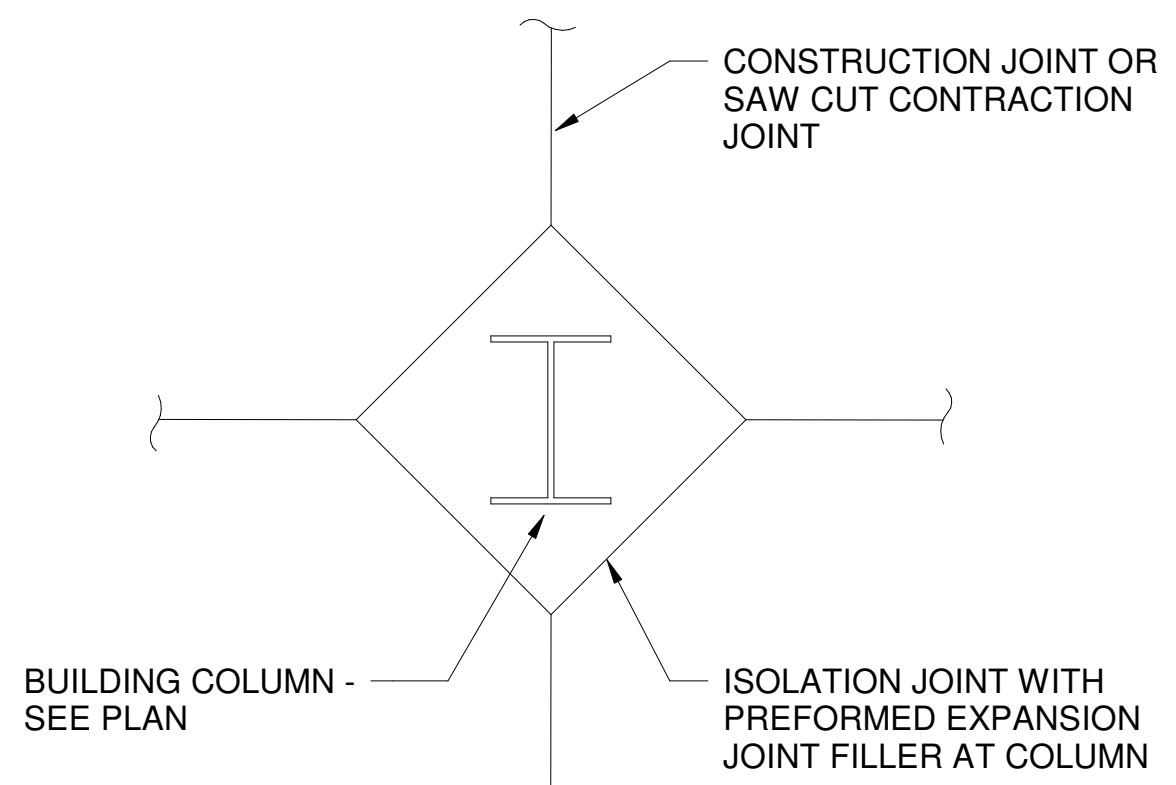


3 S-301 Typ. Column Foundation Detail
SCALE: 3/4" = 1'-0"

Footing Schedule					
Designation	T/Flg Elevation	Width	Length	Thickness	Reinforcing
F5.0	NOTE 1	5'-0"	5'-0"	1'-6"	(5)#5 BOTH WAYS
F6.0	NOTE 1	6'-0"	6'-0"	1'-6"	(6)#5 BOTH WAYS

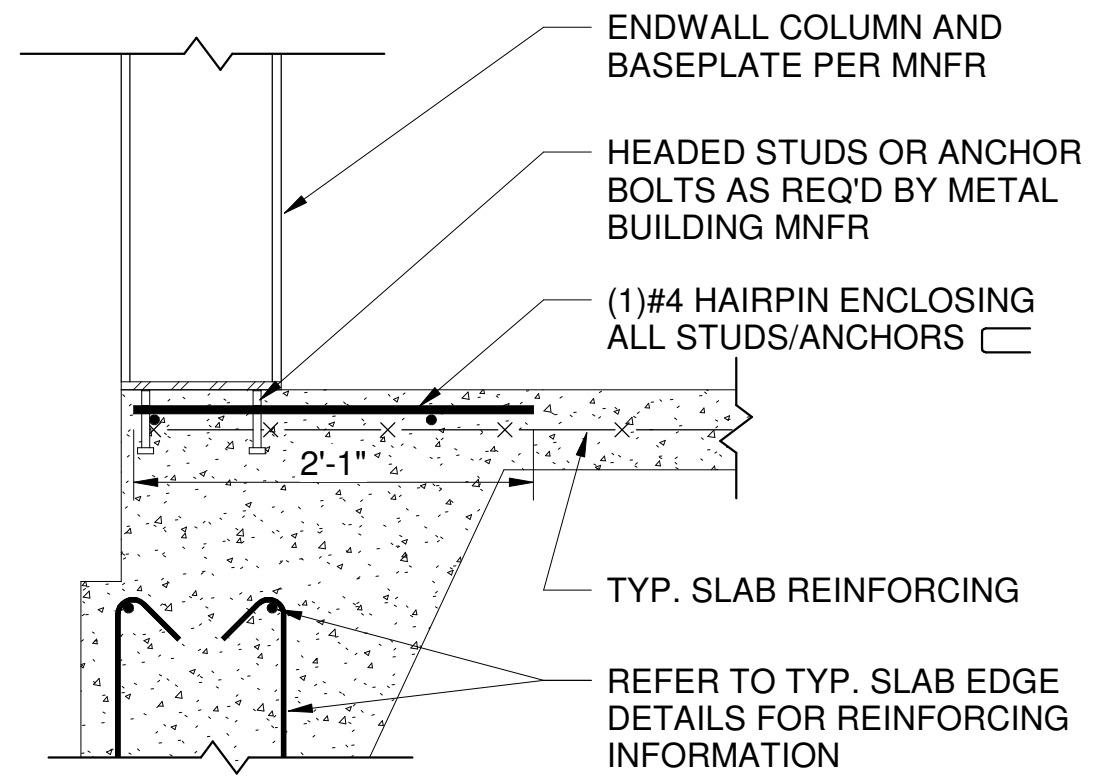
SCHEDULE NOTES:
1. TOP-OF-FTG (T/FTG) IS 3'-0" BELOW FINISHED FLOOR ELEVATION UNLESS NOTED OTHERWISE. REFER TO SHEET S-101.

4 S-301 Footing Schedule

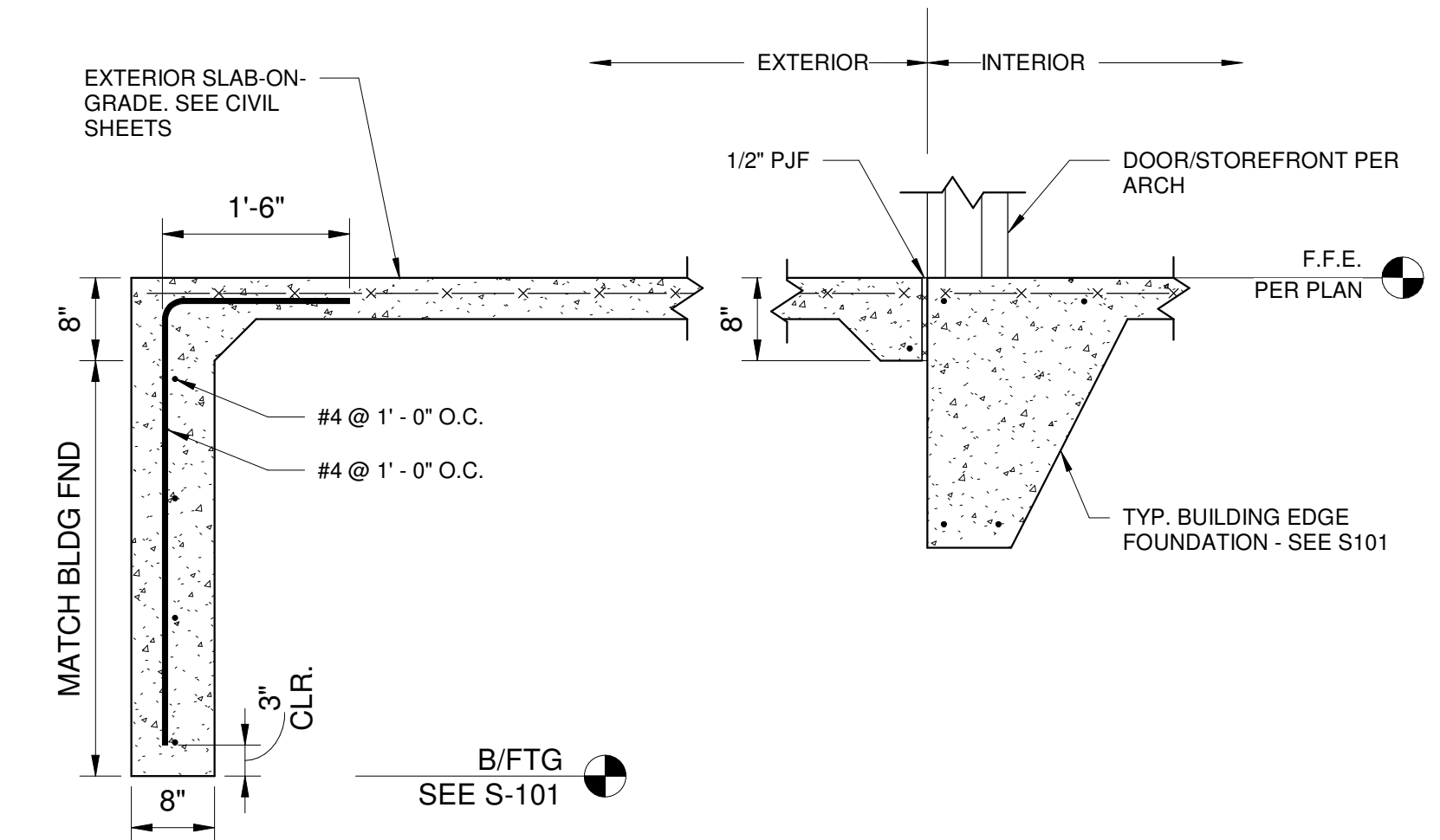


NOTE:
ISOLATION OF COLUMNS IS REQUIRED. PROVIDE EITHER ISOLATION JOINTS OR FELT WRAP AT COLUMN (CONTRACTOR'S OPTION).

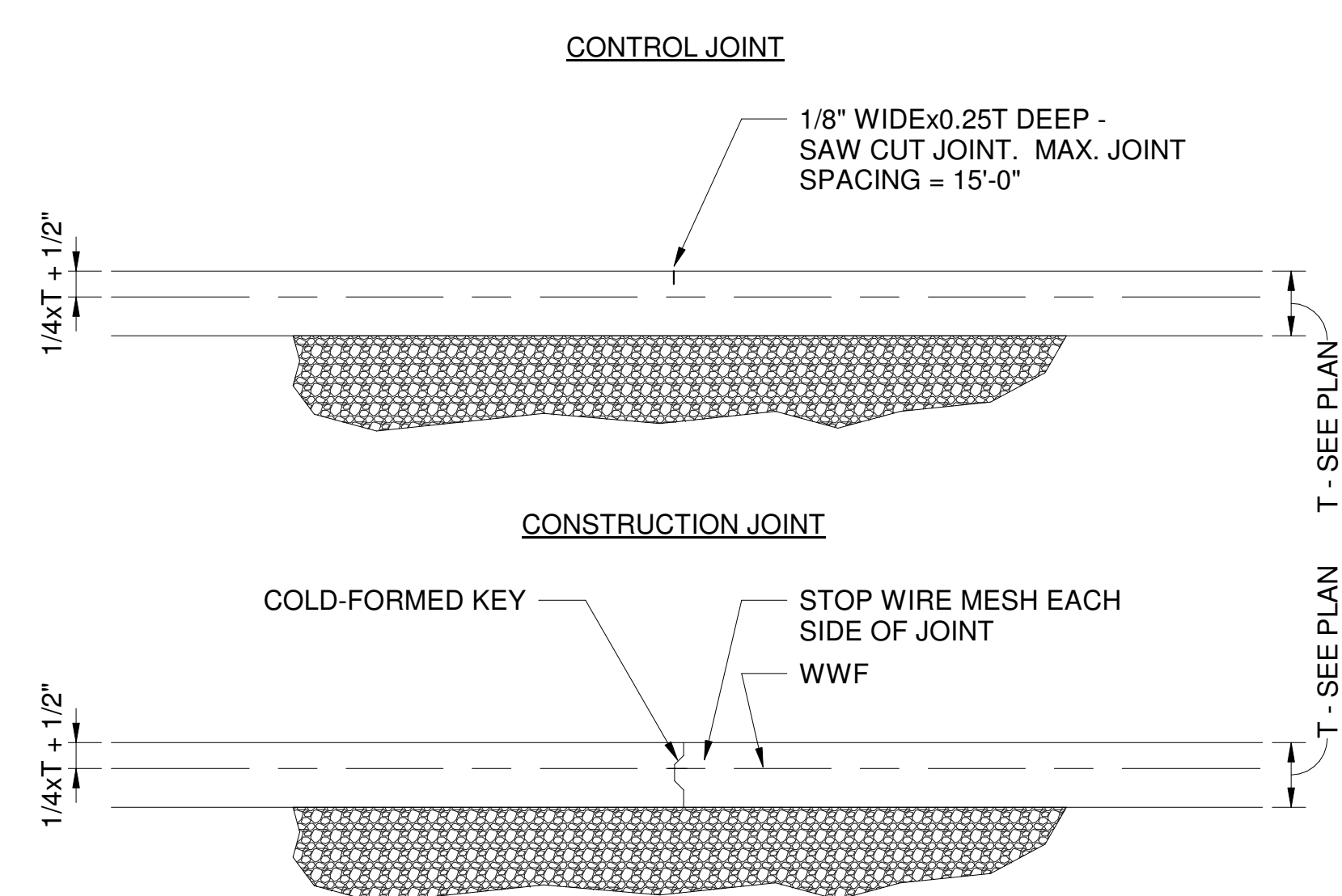
5 S-301 Typ. SOG Joint Details at Columns



6 S-301 Typ. Endwall Column Anchorage



7 S-301 Typical Threshold Detail w/ Stoop



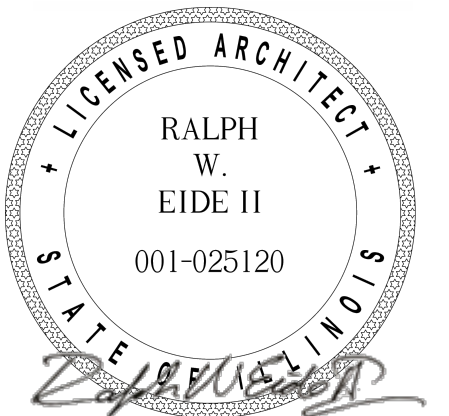
8 S-301 Typ. Joint Details



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ARNOLD, MO
NASHVILLE, TN



SIGNATURE: [Signature]
DATE: 04/23/2024
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LICENSE EXPIRES:

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: ZDT
DRAWN: ZDT
CHECK: CJC

FOUNDATION DETAILS

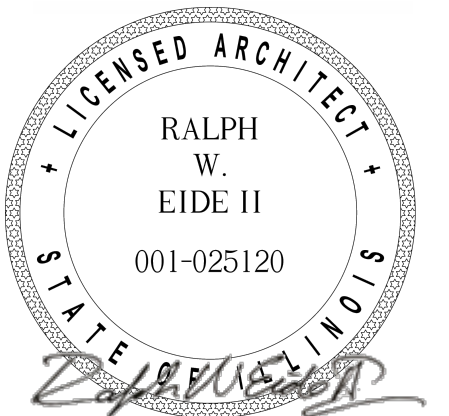
S-301



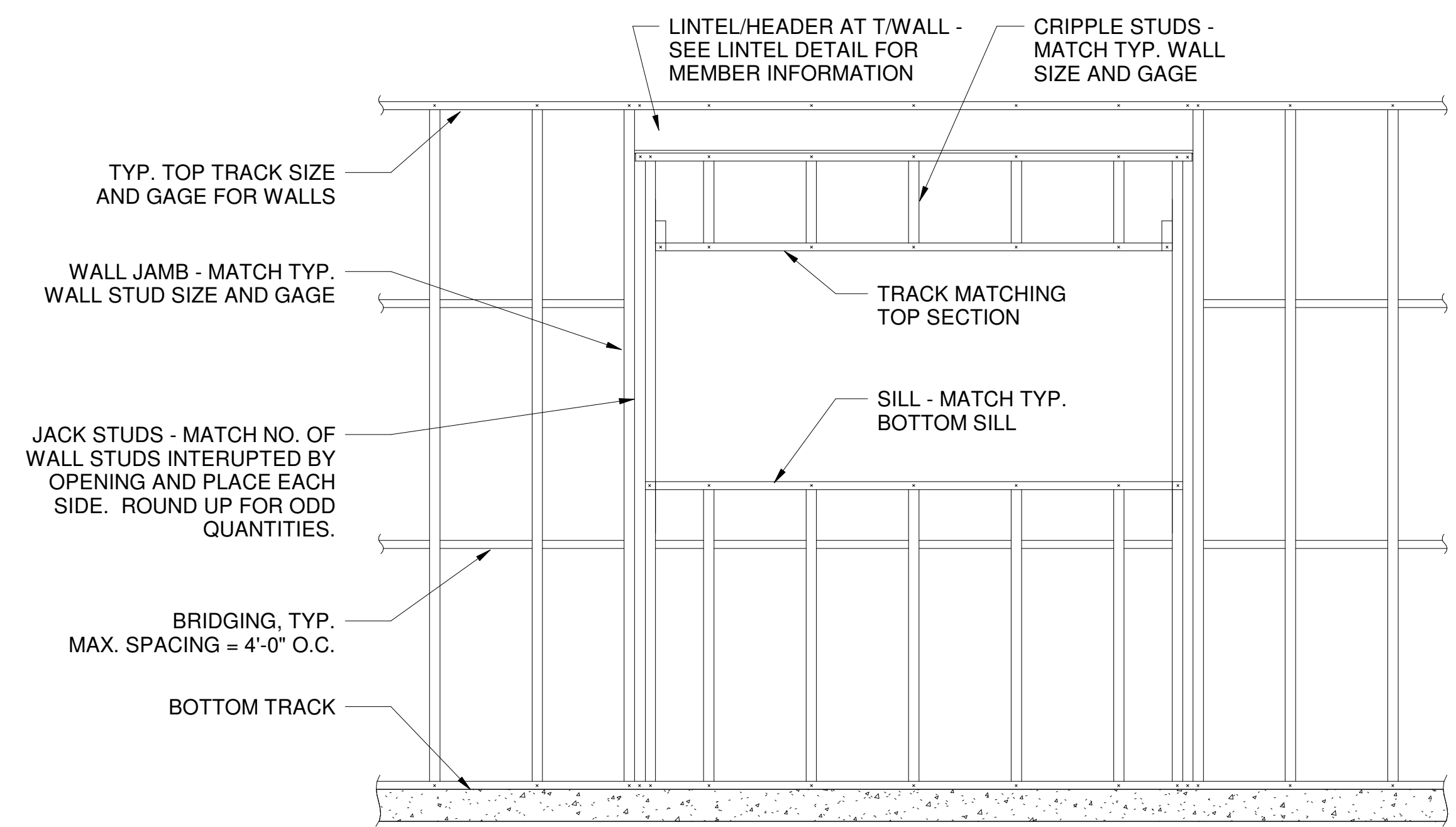
HURST-ROSCHÉ, Inc.
PROFESSIONAL DESIGN NUMBER: 184-000298

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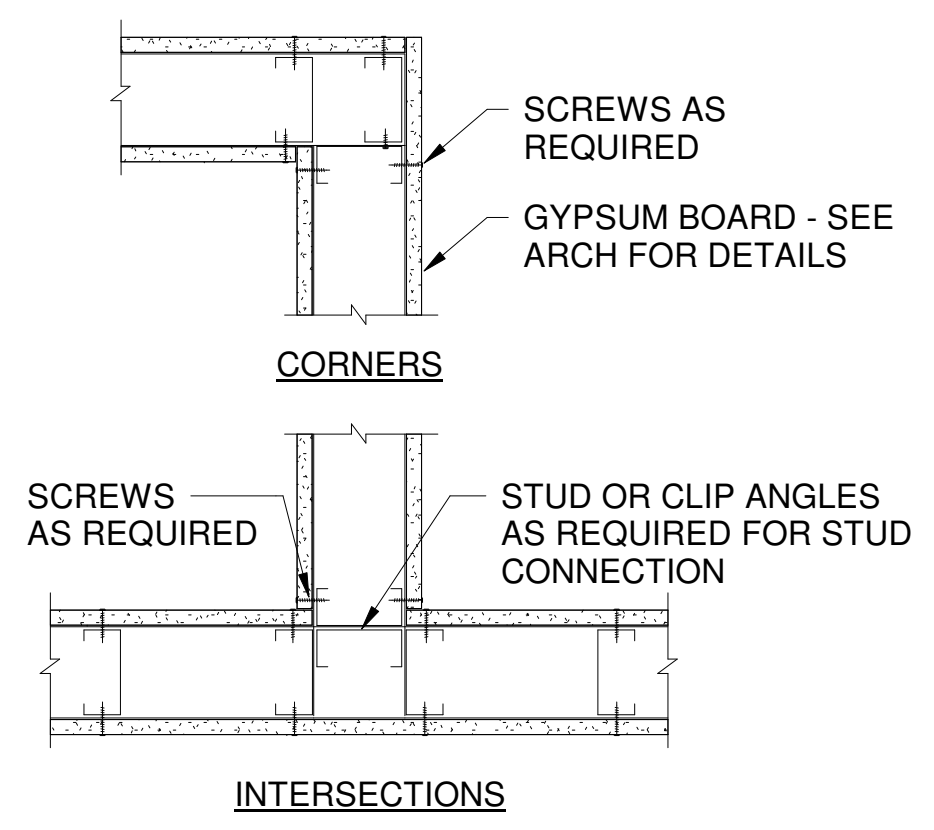
HILLSBORO, IL
EAST ST. LOUIS, IL
SPRINGFIELD, IL
ARNOLD, MO
NASHVILLE, TN



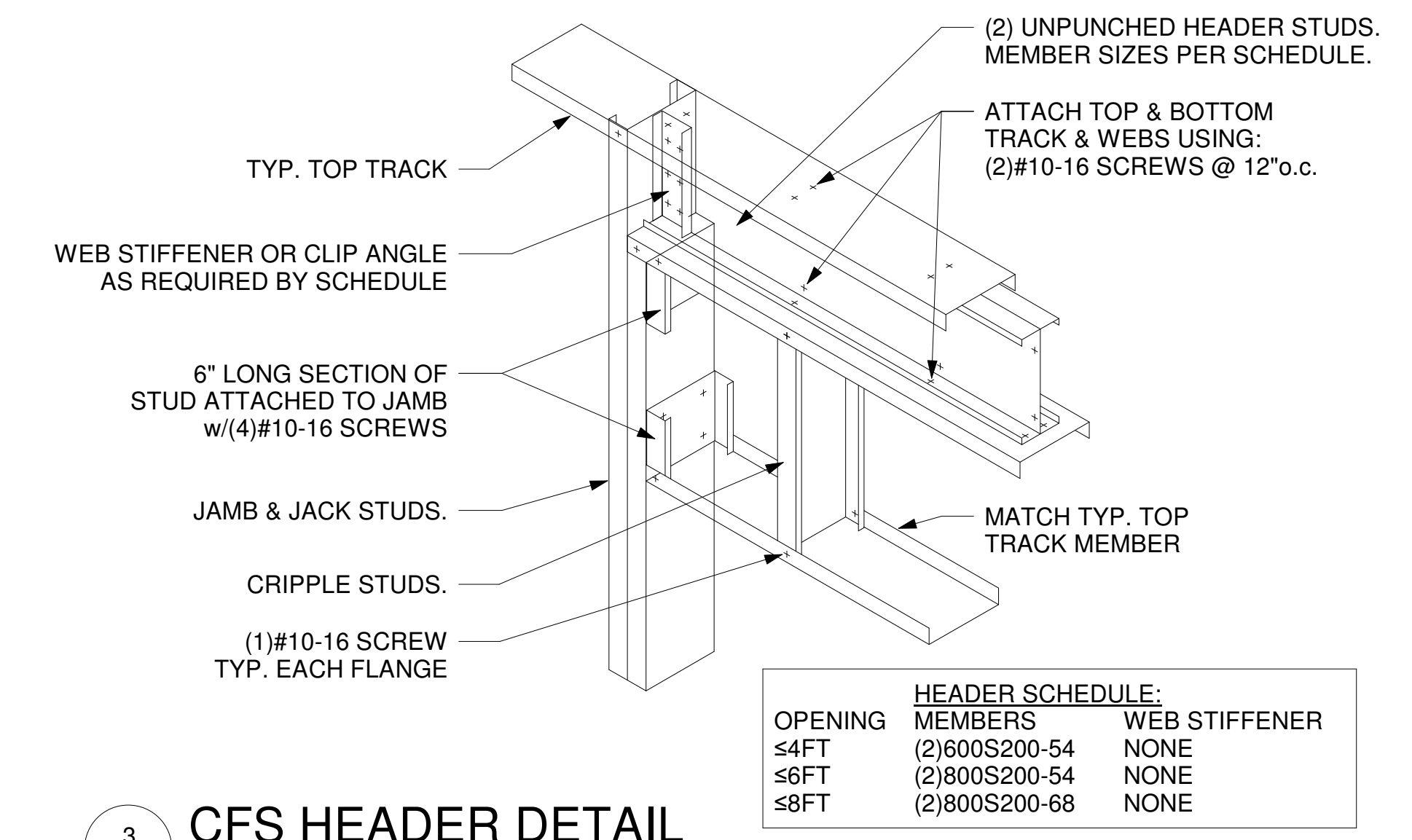
SIGNATURE: *Ralph W. Eide II*
DATE: 11-30-2024
LICENSE EXPIRES: 04/23/2024



1 CFS TYP. WALL DETAILS
S-500

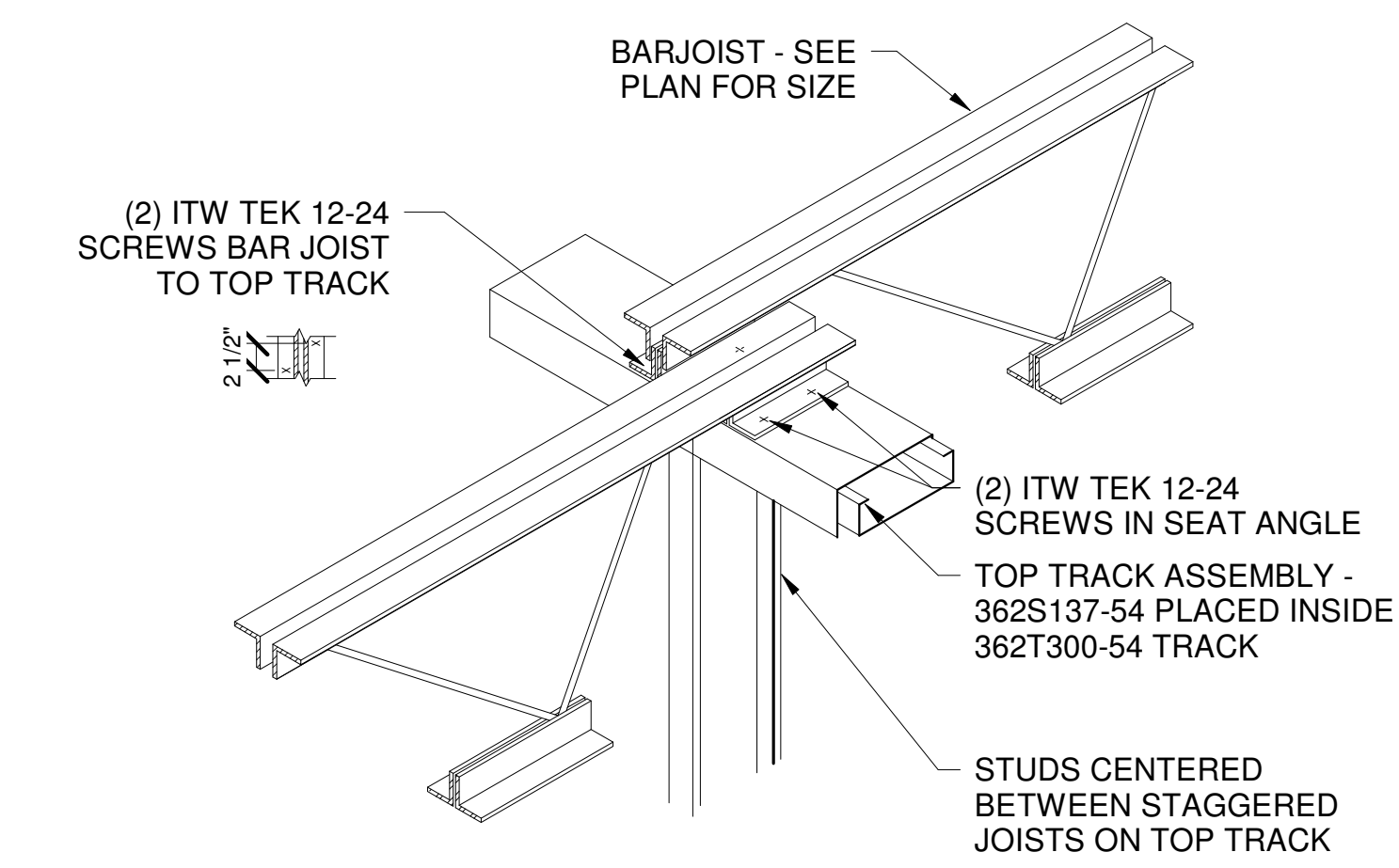


2 CFS TYP. WALL CONSTRUCTION
S-500

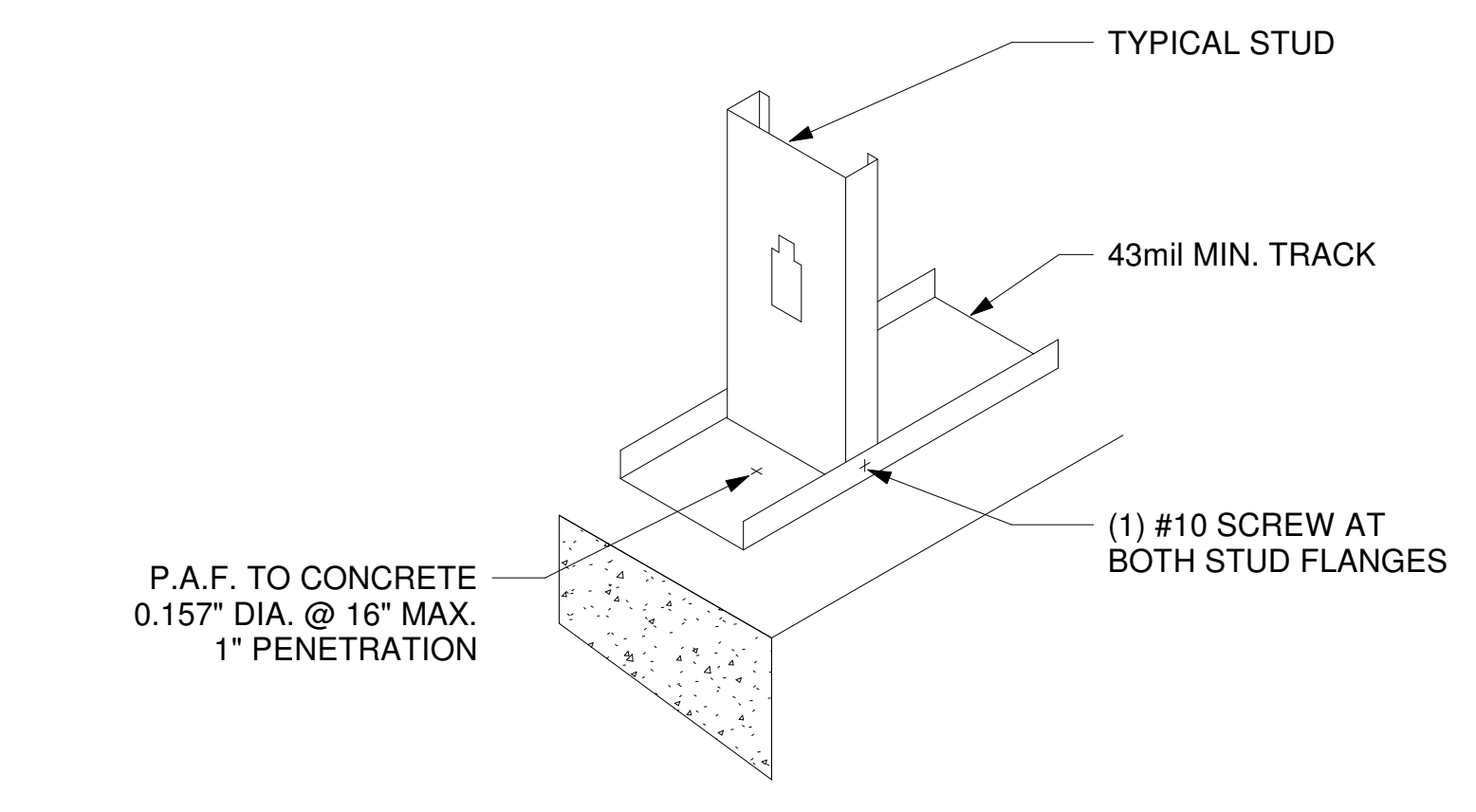


3 CFS HEADER DETAIL
S-500

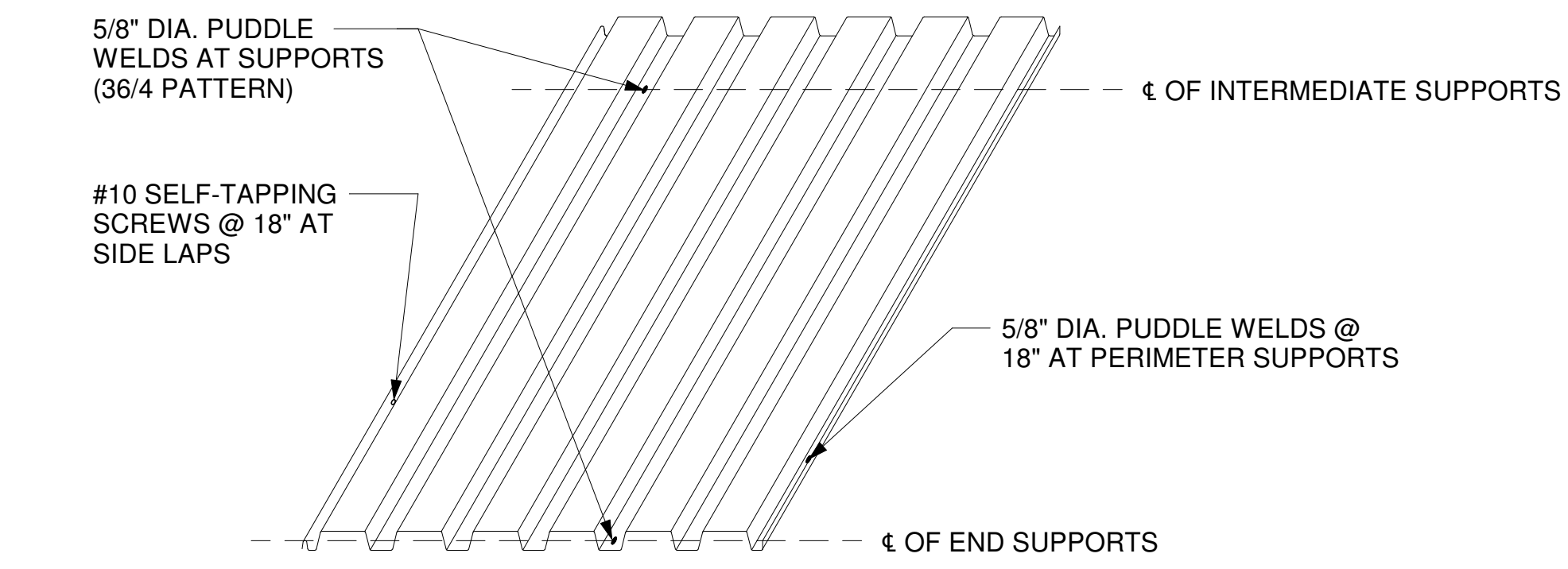
OPENING	MEMBERS	WEB STIFFENER
≤4FT	(2)600S200-54	NONE
≤6FT	(2)800S200-54	NONE
≤8FT	(2)800S200-68	NONE



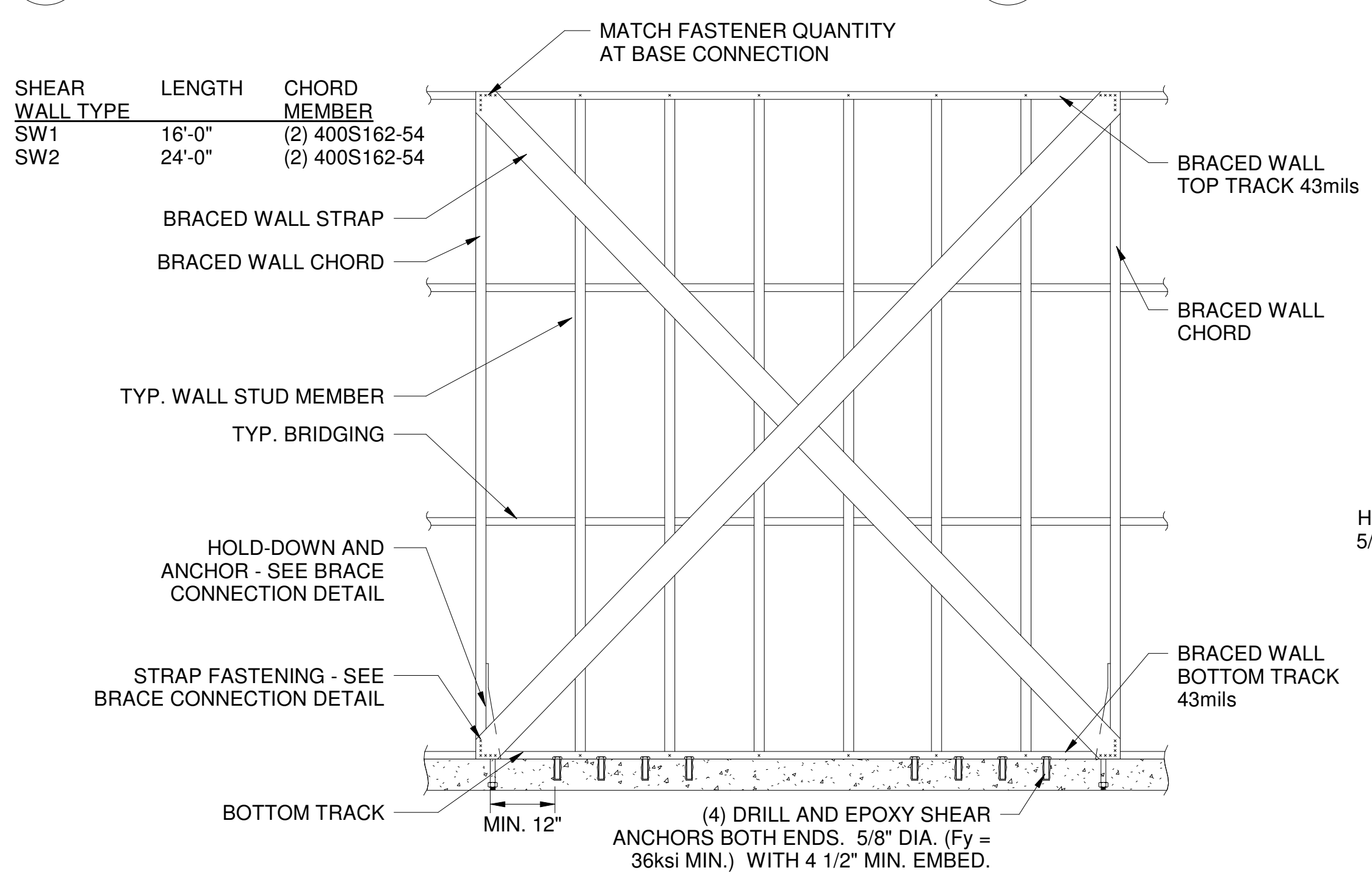
4 CFS JOIST BEARING
S-500



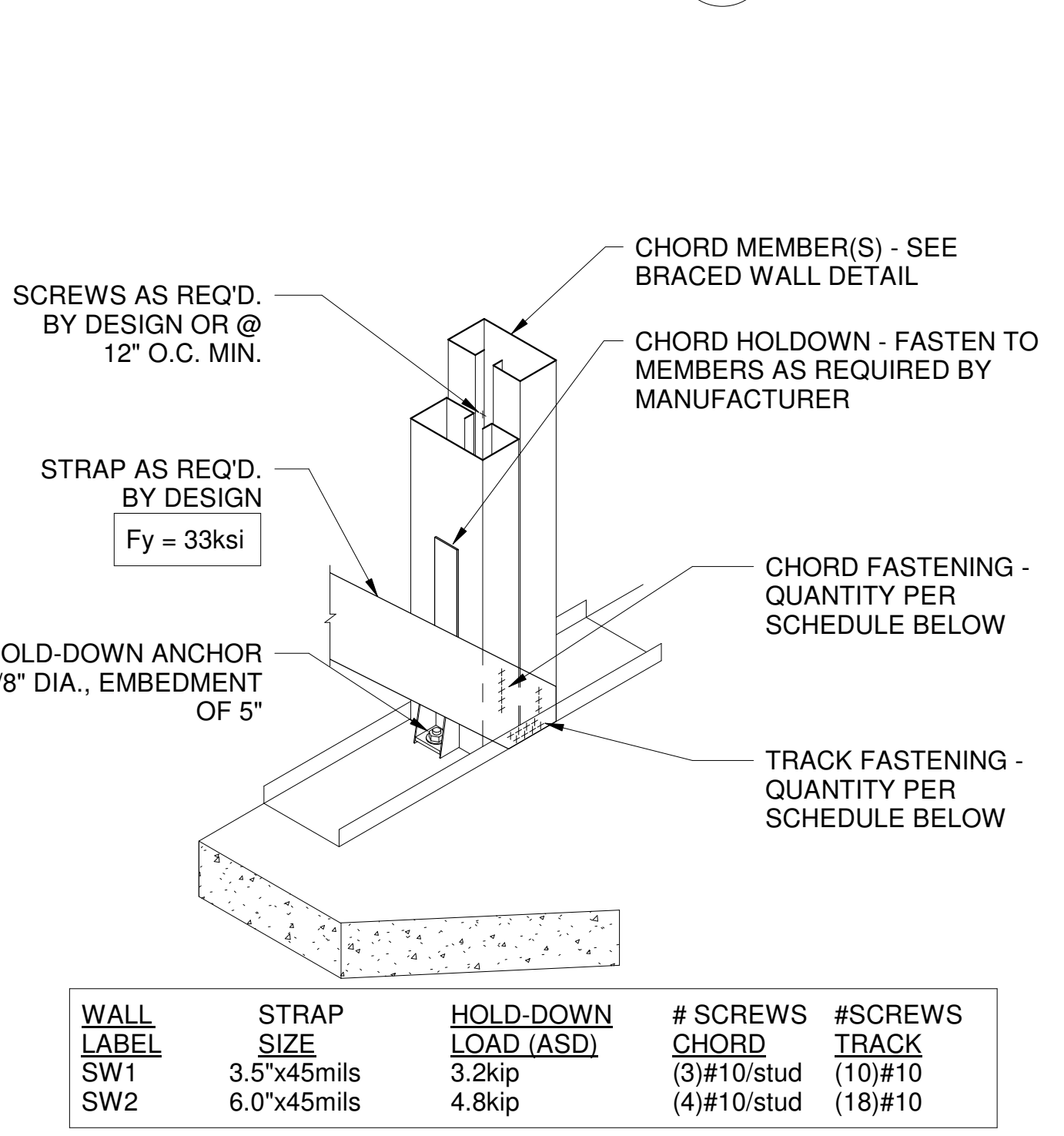
5 CFS SILL CONN.
S-500



6 Typ. Deck Attachment (1 1/2" Roof Type "B")
SCALE: N.T.S.
S-500



9 TYP. STRAP BRACED WALL DETAILS
S-500



8 CFS BRACE CONNECTION
S-500

WALL LABEL	STRAP SIZE	HOLD-DOWN LOAD (ASD)	# SCREWS CHORD	#SCREWS TRACK
SW1	3.5"x45mils	3.2kip	(3)#10/stud	(10)#10
SW2	6.0"x45mils	4.8kip	(4)#10/stud	(18)#10

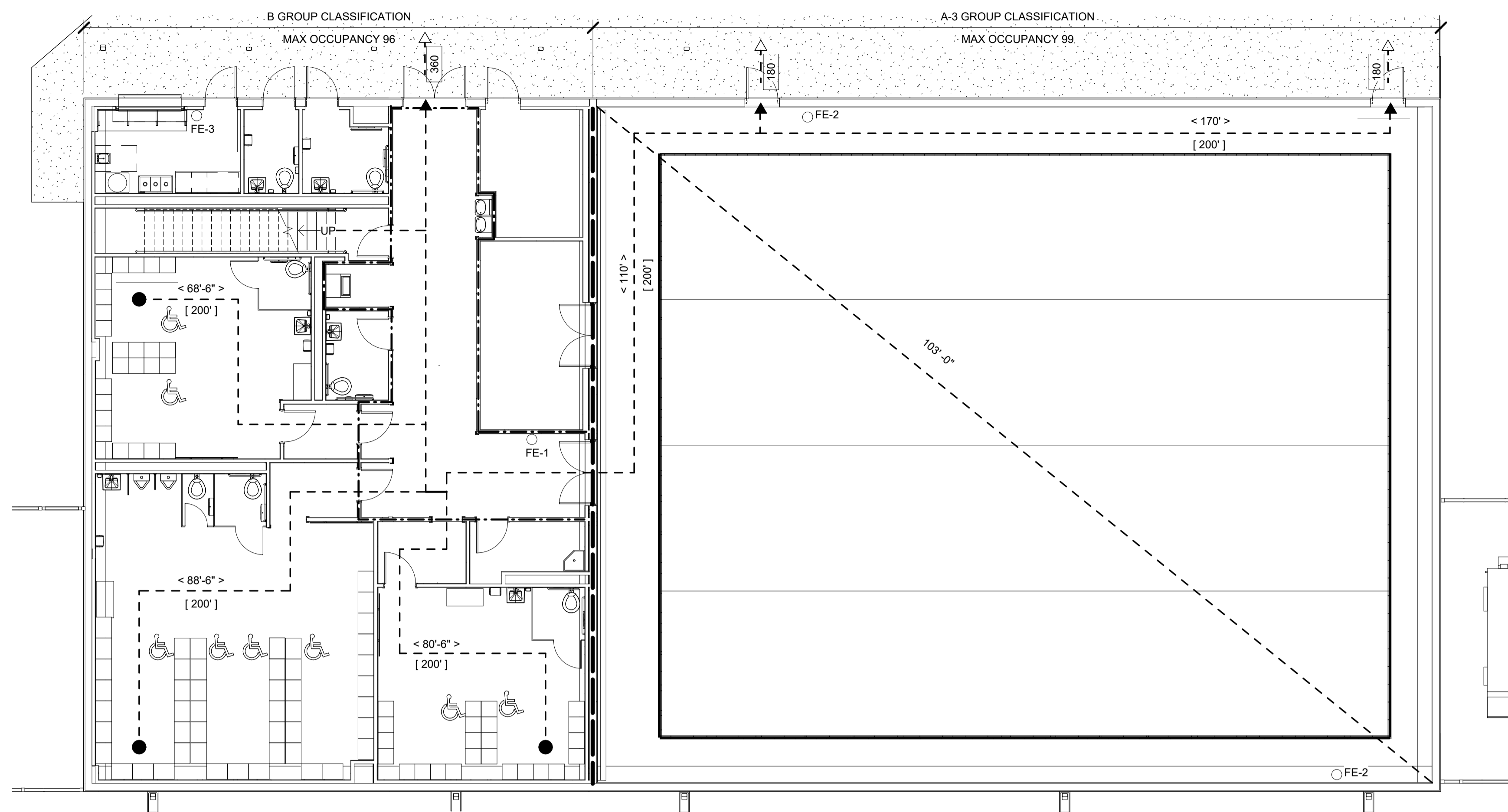
ATHLETIC TRAINING FACILITY
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ILLINOIS EASTERN COMMUNITY COLLEGES

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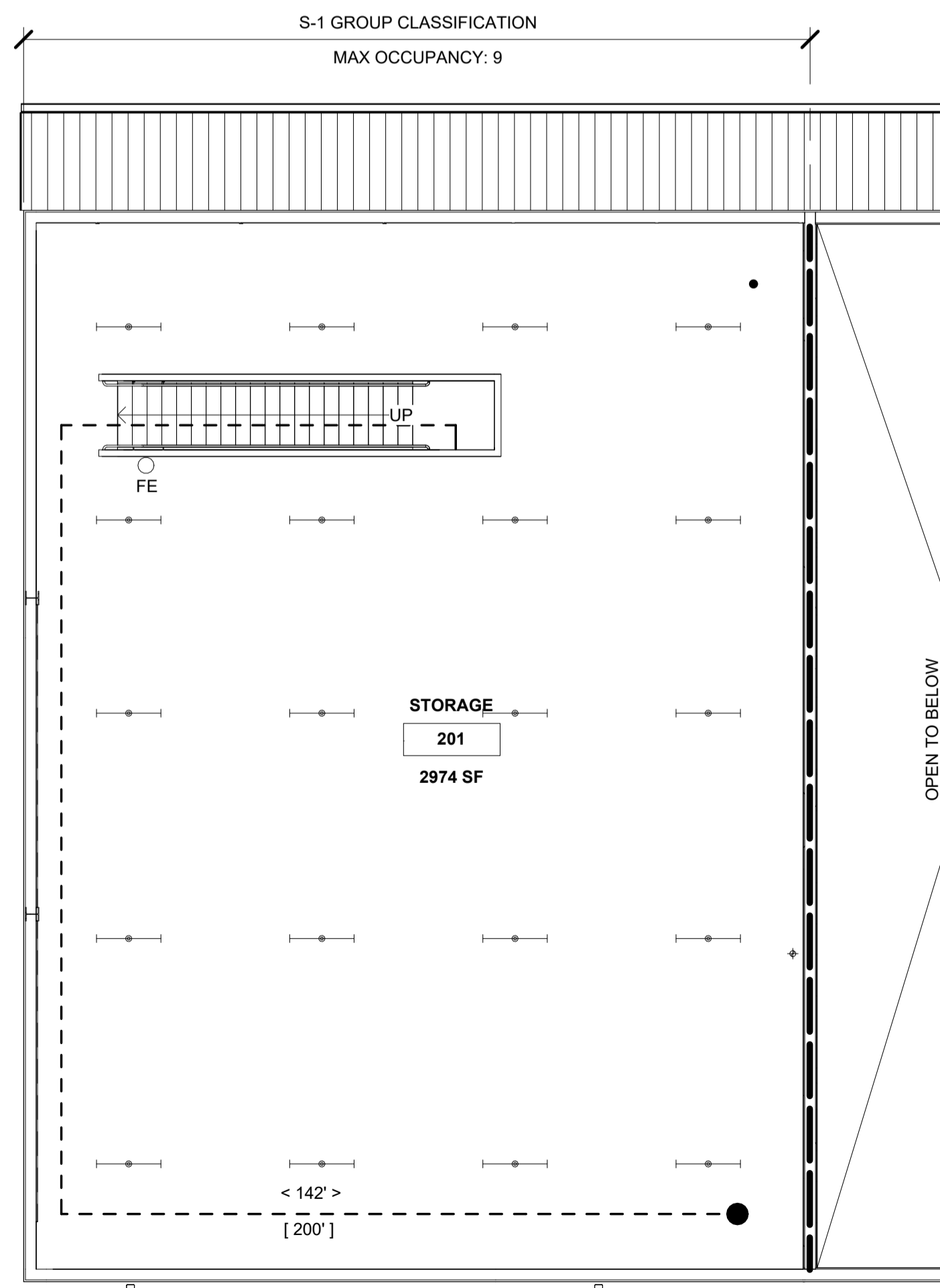
DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: ZDT
DRAWN: ZDT
CHECK: CJC

TYP. COLD-FORMED FRAMING DETAILS

S-500



1 FLOOR PLAN
A-001 SCALE: 1/8" = 1'-0"



2 FLOOR PLAN - STORAGE
A-001 SCALE: 1/8" = 1'-0"

PLUMBING FIXTURE COUNT

ACCORDING TO SECTION 890.810 PARAGRAPH 2 OF THE ILLINOIS PLUMBING CODE (2014), THE MINIMUM NUMBER OF PLUMBING FIXTURES REQUIRED IS DEPENDENT UPON THE BUILDING'S ESTIMATED TOTAL OCCUPANT LOAD.

BASED ON ANALYSIS OF THE LOCKER ROOMS, THE ESTIMATED OCCUPANT LOAD OF THE ATHLETIC FACILITY WILL BE 99 PERSONS.

SCHOOLS - STUDENT USE: COLLEGES

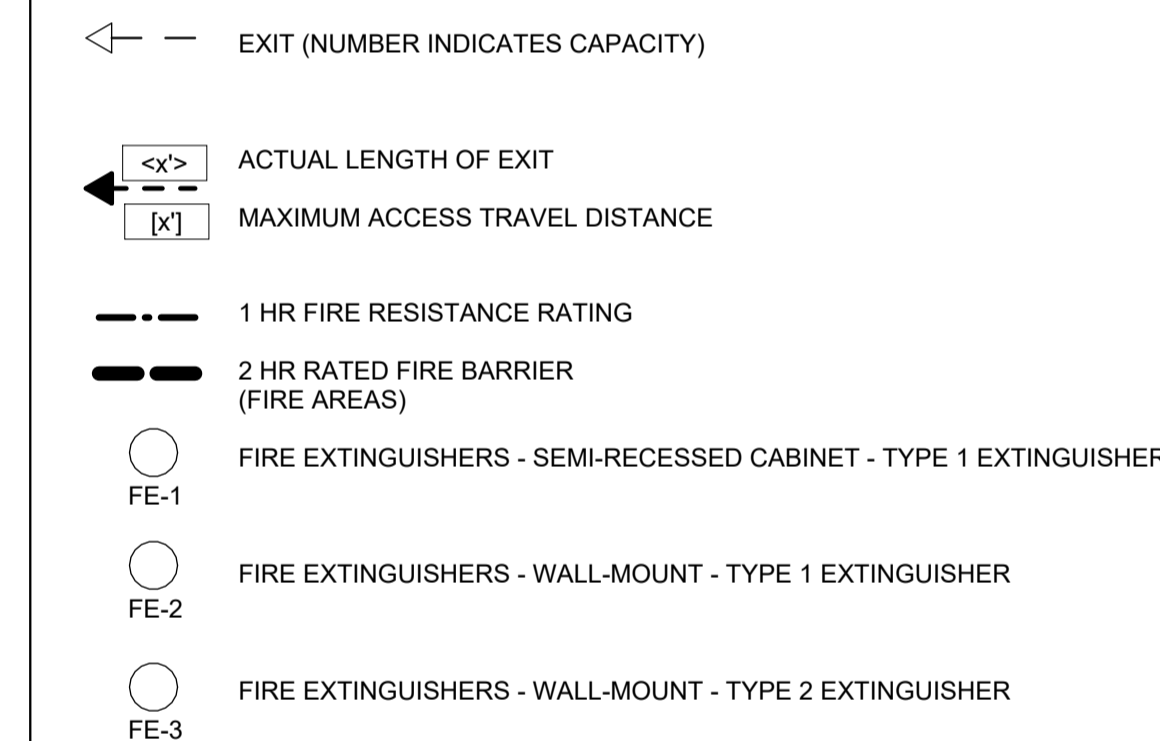
	MALE:	FEMALE:
WATER CLOSET:	2 REQ'D/ 2 PROVIDED	3 REQ'D/ 3 PROVIDED
URINAL:	2 REQ'D/ 2 PROVIDED	N/A
LAVATORIES:	2 REQ'D/ 2 PROVIDED	2 REQ'D / 2 PROVIDED
DRINKING FOUNTAINS:	2 REQ'D/ 2 PROVIDED	
SERVICE SINK:	1 REQ'D/ 1 PROVIDED	

CODES & STANDARDS

- 2006 INTERNATIONAL BUILDING CODE
- 2008 NATIONAL ELECTRIC CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE
- CURRENT EDITION - ILLINOIS PLUMBING CODE
- 2006 INTERNATIONAL MECHANICAL CODE
- CURRENT EDITION - ILLINOIS ACCESSIBILITY CODE
- 2006 INTERNATIONAL FIRE PROTECTION CODE
- NFPA 101 LIFE SAFETY CODE - 2015
- 2010 AMERICAN WITH DISABILITIES ACT

Building Requirements					
ITEM	CODE SUBJECT	MODEL CODE	CHAPTER, SECTION, OR TABLE	REQUIRED/ALLOWED	ACTUAL
1.01	OCCUPANCY CLASSIFICATION	IBC 2006			
1.01.a	OCCUPANCY CATEGORY	IBC 2006	CH. 3	-	B/A-3/S-1
1.01.b	OCCUPANCY LOAD	IBC 2006	T-1004.1.1	-	99
1.02	HEIGHT/AREA LIMITATIONS				
1.02.a	HEIGHT IN FEET	IBC 2006	T-503	55	28
1.02.b	NUMBER OF STORIES	IBC 2006	T-503	2	2
1.02.c	BUILDING AREA - B	IBC 2006	T-503	23000	3026
1.02.d	BUILDING AREA - A-3	IBC 2006	T-503	9500	5185
1.02.e	BUILDING AREA - S	IBC 2006	SEC.503	17500	2566
1.02.f	BUILDING AREA - MIXED-USE	IBC 2006	SEC.506.2.2, 508.3.3.2	(A-3) 5185/9500 = .52 + (B) 3026/23000 = .19 + (S) 2985/17500 = .15	.85 < 1
1.02.g	REQUIRED SEPARATION OF OCCUPANCIES	IBC 2006	T-508.3.3	A/B = 2 HR, B-S-1 = 0	2 hr.
1.03	TYPE OF CONSTRUCTION	IBC 2006	CH. 6		TYPE 2B
1.04	REQUIRED HOURS OF FIRE RESISTANCE				
1.04.a	PRIMARY STRUCTURAL FRAME	IBC 2006	T-601	0	0
1.04.b	INTERIOR BEARING WALLS	IBC 2006	T-601	0	0
1.04.c	INTERIOR NONBEARING WALLS AND PARTITIONS	IBC 2006	T-601	0	0
1.04.d	FLOOR CONSTRUCTION AND ASSOCIATED STRUCTURAL MEMBERS	IBC 2006	T-601	0	0
1.04.e	ROOF CONSTRUCTION AND ASSOCIATED SECONDARY STRUCTURAL MEMBERS	IBC 2006	T-601	0	0
1.05	FIRE AND SMOKE PROTECTION				
1.05.a	FIRE-RESISTANCE RATING FOR EXTERIOR WALLS	IBC 2006	T - 705.5	0 HR/ 10' < X < 30'	0 HR / 10' < X < 30'
1.05.b	DOOR AT 2-HOUR WALL	IBC 2006	T - 715.4	1.5 HR	1.5 hr
1.05.c	DOOR AT EXTERIOR WALL	IBC 2006	T -716.1(2)	0	0
1.06	EXIT ACCESS				
1.06.a	OCCUPANT LOAD	IBC 2006	I-1004.1.1	99	99
1.06.b	MINIMUM EGRESS - CORRIDOR	IBC 2006	SEC.1005.3.2	99 x 0.2"/occupant - 21 inches, OR 44" min.	96"
1.06.c	MINIMUM NUMBER OF EXITS	IBC 2006	T - 1019.1	3	3
1.06.d	MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE	IBC 2006	T - 1016.1	200	91'
1.06.e	EXIT DOOR CAPACITY	IBC 2006	SEC. 1005.3.2	96" x 2 = 19.2 in	72"
1.06.f	DISTANCE BETWEEN TWO EXIT DOORS	IBC 2006	SEC. 1007.1.1	X > 103/2=51.5'	X=56.7'
1.07	PORTABLE FIRE EXTINGUISHERS				
1.07.a	HAZARD CLASSIFICATION	IBC 2006, NFPA 10	T-906.3(1)	Ordinary Hazard Classification, Cooking Equipment	
1.07.b	MINIMUM-RATED SINGLE EXTINGUISHER	IBC 2006, NFPA 10	T-906.3(1)	2-A, Class K-rated in Concession	4A-80B,C, Class K rated
1.07.c	MAXIMUM FLOOR AREA PER EXTINGUISHER	IBC 2006, NFPA 10	T-906.3(1)	11,250 SF/1 EXTINGUISHER	5185 SF
107.d	MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER	IBC 2006, NFPA 10	T-906.3(1)	75 Feet	75 FEET

CODE PLAN LEGEND



ADA COMPLIANCE

ACCORDING TO ILLINOIS ACCESSIBILITY CODE (2018), SECTION 225.2.1.10, WHERE LOCKERS ARE PROVIDED, AT LEAST 5 PERCENT, BUT NO FEWER THAN ONE OF EACH TYPE OF LOCKER SHALL BE PROVIDED AS ACCESSIBLE.

24 SINGLE-TIER LOCKERS X 0.05 = 2 LOCKER REQUIRED IN LOCKER ROOMS 102 AND 104.
48 SINGLE-TIER LOCKERS X 0.05 = 4 LOCKER REQUIRED IN LOCKER ROOM 103

ACCORDING TO ILLINOIS ACCESSIBILITY CODE (2018), SECTION 803.4 A BENCH COMPLYING WITH SECTION 903 SHALL BE PROVIDED WITHIN THE ROOM.

ACCORDING TO ILLINOIS ACCESSIBILITY CODE (2018), SECTION 206.2.3, ITEM 8, AN ACCESSIBLE ROUTE IS NOT REQUIRED FOR SPACES GREATER THAN 1,000 SQUARE FEET BUT LESS THAN 3,000 SQUARE FEET IN AREA THAT ARE USED EXCLUSIVELY FOR ARCHIVAL STORAGE OR FOR PRODUCT STORAGE IN A BUSINESS OR MERCANTILE OCCUPANCY.

ACCORDING TO ILLINOIS ACCESSIBILITY CODE (2018), SECTION 602.1, DRINKING FOUNTAINS FOR STANDING PERSONS COMPLYING WITH 307 AND 602 SHALL BE 38 INCHES (965 mm) MINIMUM AND 43 INCHES (1090 mm) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

ACCORDING TO ILLINOIS ACCESSIBILITY CODE (2018), SECTION 307, DRINKING FOUNTAINS AS PROTRUDING OBJECTS SHALL HAVE A 27" MINIMUM KNEE CLEARANCE ABOVE THE FINISH FLOOR OR GROUND.

ACCORDING TO ILLINOIS ACCESSIBILITY CODE (2018), SECTION 307, DRINKING FOUNTAINS AS PROTRUDING OBJECTS MUST BE RECESSED IN ALCOVES OR OTHERWISE TREATED SO THAT THEY DO NOT PROTRUDE MORE THAN 4" INTO CIRCULATION PATHS. ALCOVES MUST BE SIZED TO ACCOMMODATE THE CLEAR FLOOR SPACE REQUIRED AT THE WHEELCHAIR ACCESSIBLE UNITS.



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SPRINGFIELD, IL
ARNOLD, MO
NASHVILLE, TN



SIGNATURE: [Signature]
DATE: 04/23/2024
DATE: 11-30-2024
LICENSE EXPIRES

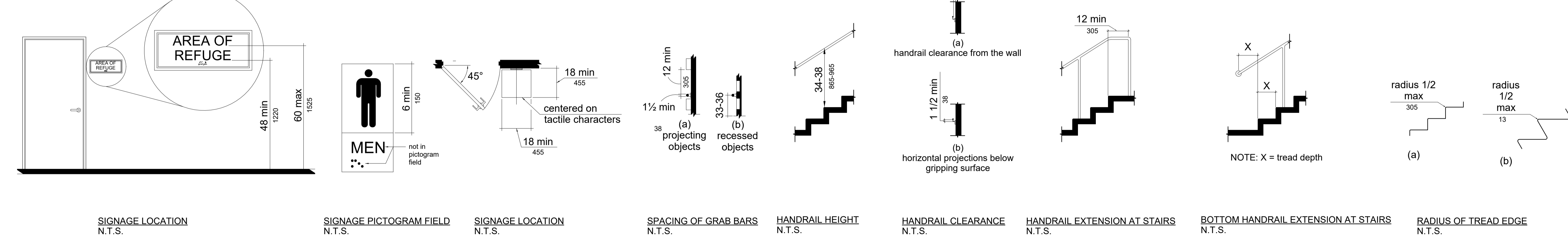
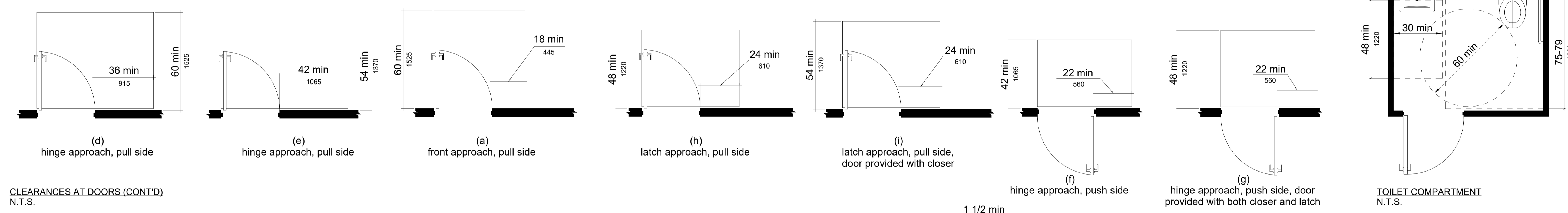
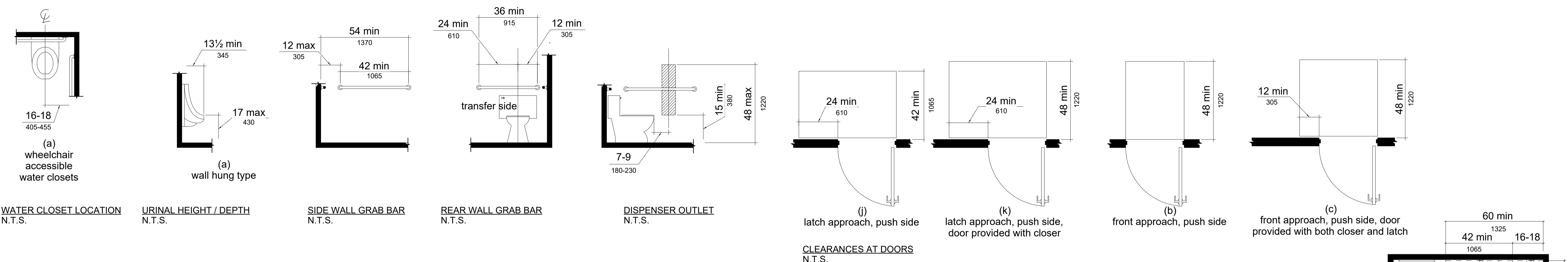
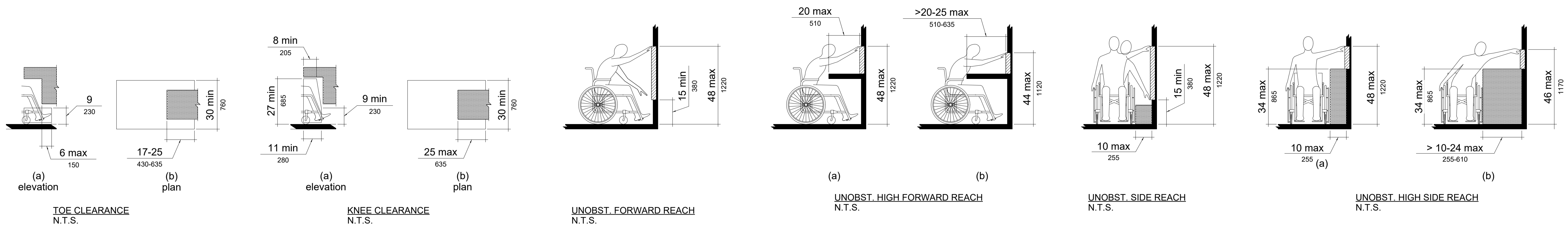
ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RWE

CODE ANALYSIS

A-001



HR
HURST-ROSCHKE, Inc.
 PROFESSIONAL DESIGN NUMBER: 154-00298

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 EAST ST. LOUIS, IL
 SPRINGFIELD, IL
 ARNOLD, MO
 NASHVILLE, TN

LICENSED ARCHITECT
 RALPH W. EIDE II
 001-025120

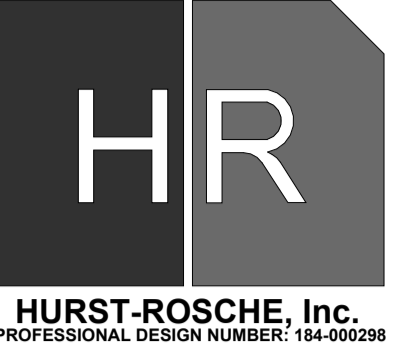
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 ILLINOIS EASTERN COMMUNITY COLLEGES

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ACCESSIBILITY GUIDELINES



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LICENSE EXPIRES

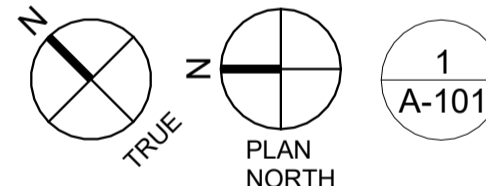
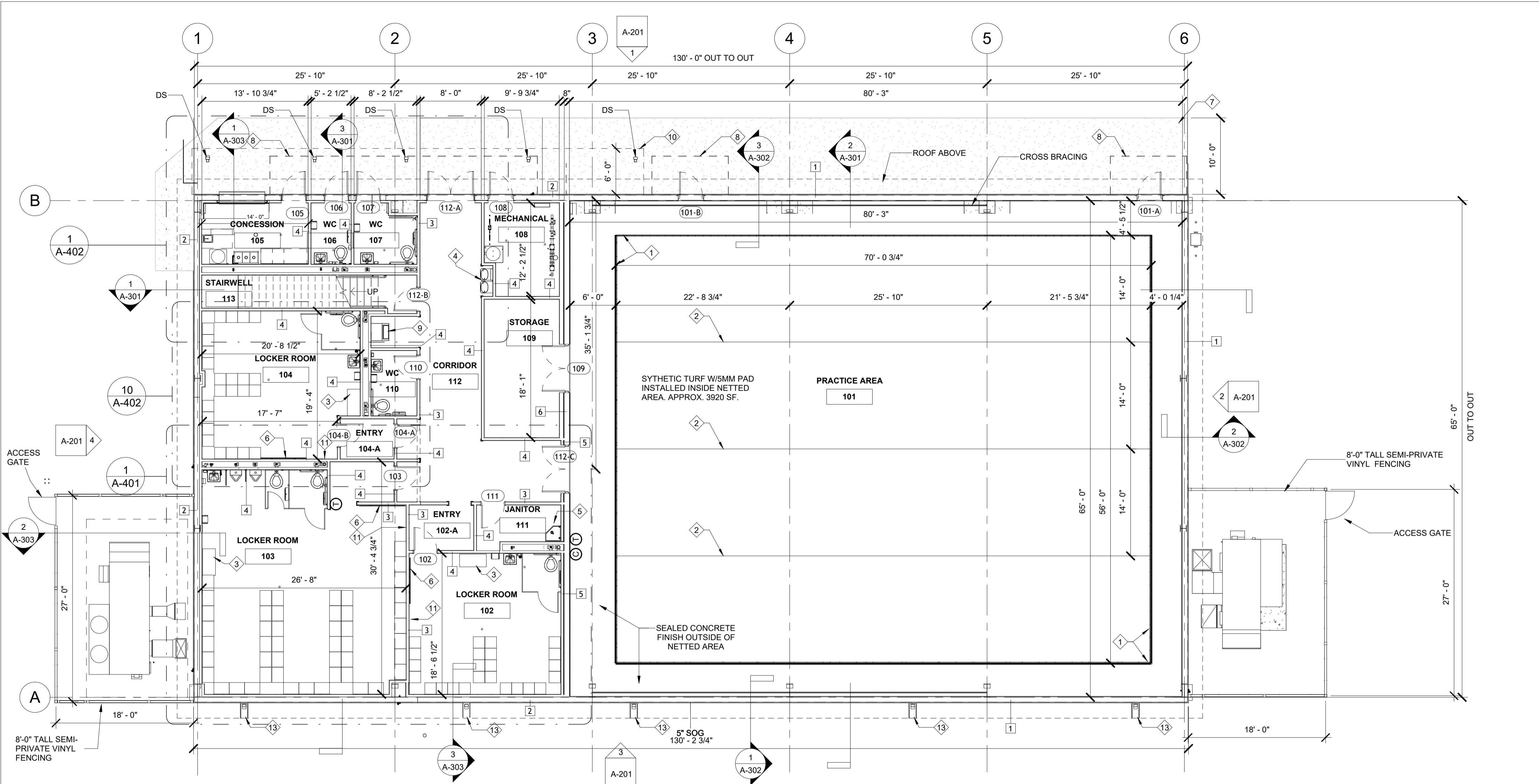
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ARCHITECTURAL GENERAL NOTES

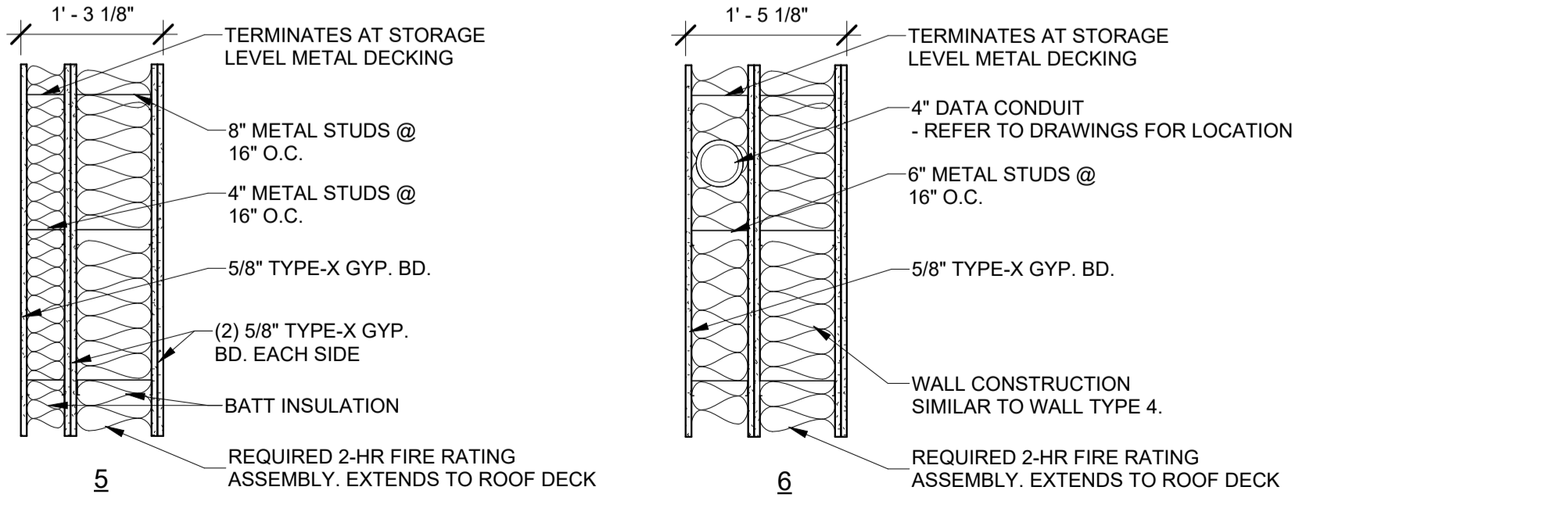
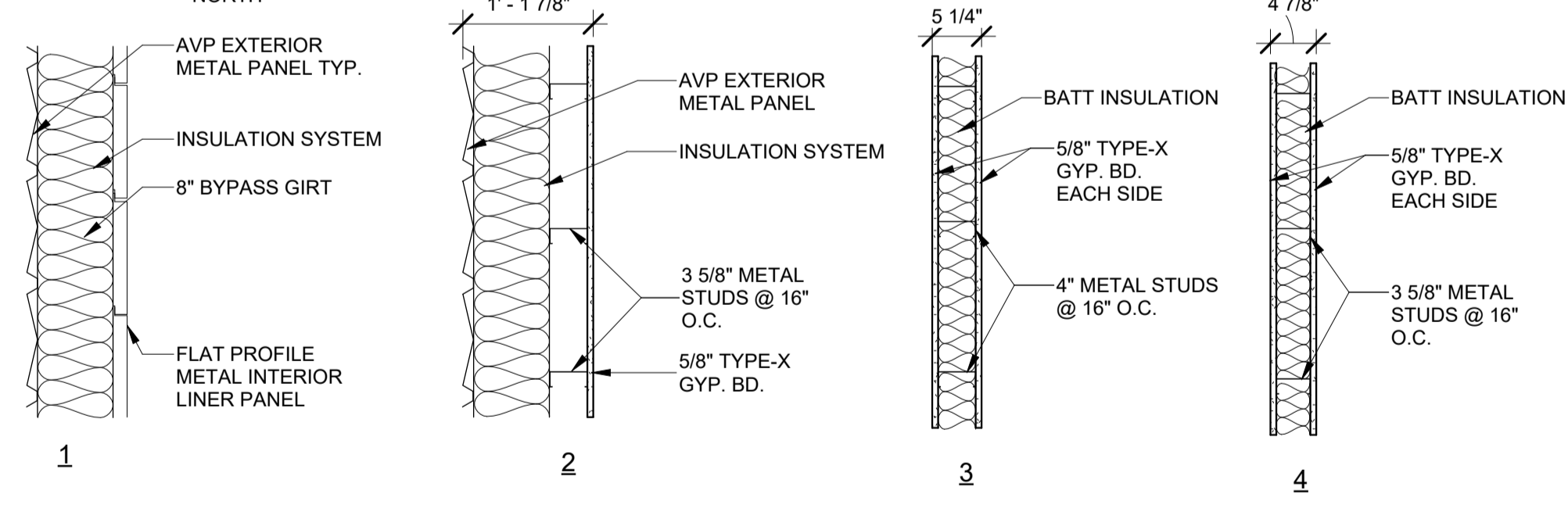
- 1. PLAN DIMENSIONS ARE TO FACE OF STUD OR COLUMN CENTERLINE UNLESS NOTED OTHERWISE. DO NOT SCALE DRAWINGS - USE DIMENSIONS.
- 2. PLAN DIMENSIONS NOTED "WF" INDICATE THAT THIS DIMENSION IS TO WALL FINISH, RATHER THAN FACE OF STUD.
- 3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND BE FULLY RESPONSIBLE FOR THE SAME.
- 4. CONTRACTOR TO ADJUST WALL PLACEMENT TO ACCOMMODATE STRUCTURE AS NECESSARY. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.
- 5. ALL DRAWINGS ARE FOR INFORMATIONAL PURPOSES.
- 6. ALL GYP. BD. IN LOCKER ROOMS & TOILETS TO BE MOLDMOISTURE RESISTANT.
- 7. PITCH FLOORS TO DRAIN AT LOCKER ROOMS, TOILET ROOMS, CONCESSION AREA, JANITOR'S CLOSET, AND MECHANICAL ROOM.
- 8. IF CANOPY AS SHOWN CAN BE SUPPORTED BY THE PRE-ENGINEERED METAL BUILDING, STEEL CANOPY SUPPORTS AND THEIR FOUNDATIONS MAY BE OMITTED.
- 9. COLUMNS SHOWN TO ILLUSTRATE SUGGESTED PLACEMENT IF REQUIRED TO SUPPORT CANOPY.
- 10. GC TO COORDINATE LOCATION OF STRUCTURAL STOOPS TO ALIGN WITH SIDEWALK CUT JOINTS.
- 11. ALL INTERIOR EXPOSED WALL CORNERS AND END OF WALLS TO RECEIVE CORNER GUARD/END-OF-WALL PROTECTION. FOR MORE INFORMATION SEE SPEC. # 10 26 00
- 12. DOWNSPOUTS NOT TO EXPEL ONTO SIDEWALK. GC TO PROVIDE UNDERGROUND CONNECTION WITH DAYLIGHTING BEYOND THE SIDEWALK.

KEYED NOTES

Table with 2 columns: Note Number, Note Content. Contains 14 numbered notes regarding netting, dividers, benches, fountains, mop sinks, marker boards, sidewalks, structural stoops, ice makers, canopies, and downspouts.



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



WALL TYPES - DETAILS

GENERAL NOTES - DOOR SCHEDULE:

1. DOORS TO BE FACTORY PRIMED AND FIELD FINISHED. FINISH TO BE CONFIRMED WITH A/E.

DOOR LABEL - DOOR SCHEDULE:

1. B= 90 MINUTE FIRE PROTECTION
2. C = 45 MINUTE FIRE PROTECTION

COMMENTS - DOOR SCHEDULE:

1. THERMALLY BROKEN

INTERIOR SIGN SCHEDULE - DOOR SCHEDULE:

1. PROVIDE ADA ROOM IDENTIFICATION SIGNAGE - 4' x 6" - ROOM NUMBER
2. PROVIDE ADA REGULATORY SIGNAGE - 8' x 6" - ROOM NUMBER - PICTOGRAM - SYMBOL OF ACCESSIBILITY.

GLAZING SCHEDULE

See Spec Section 08 80 00 for more information.

GL-1 - 1" INSULATED GLASS UNIT
GL-2 - SAFETY GLASS
GL-3 - FIRE RATED GLASS

DOOR SCHEDULE

Table with columns: MARK, ROOM, WIDTH, HEIGHT, DR. THICKNESS, DR. MATERIAL, DR. FINISH, DR. ELEV., FR. MATERIAL, FR. FINISH, FR. ELEV., HARDWARE, LABEL, HEAD, JAMB, SILL, SIGN, GLAZING, COMMENT. Lists details for 12 different doors.

ROOM FINISH SCHEDULE

Table with columns: NUMBER, ROOM, NORTH FINISH, EAST FINISH, SOUTH FINISH, WEST FINISH, FLOOR FINISH, BASE FINISH, CEILING FINISH, CEILING HEIGHT. Lists finish specifications for 13 rooms.

GENERAL NOTES - ROOM FINISH SCHEDULE:

ABBREVIATIONS ROOM FINISH SCHEDULE:

ACT-1 ACOUSTIC CEILING TILE, TYPE 1
ACT-2 ACOUSTIC CEILING TILE, TYPE 2
FLS FABRIC INSULATION LINER SYSTEM
GYP. GYPSUM BOARD
PT. PAINT
R.B. RUBBER BASE
SL SEALER
TURF SYNTHETIC GRASS SURFACING

Table with columns: MARK, DATE, DESCRIPTION. Includes project information like DATE: 04/23/2024 and PROJECT NO: 395-3272.

DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RWE

FLOOR PLAN

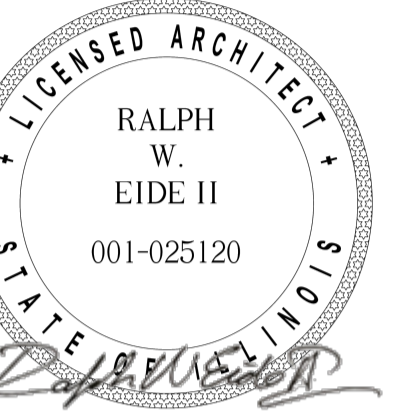
A-101



HURST-ROSCHÉ, Inc.
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NASHVILLE, TN



SIGNATURE: *Ralph W. Eide II*
DATE: 04/23/2024
DATE: 11-30-2024
LICENSE EXPIRES

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

GENERAL NOTES

- FOR STRUCTURAL INFORMATION SEE S-SHEETS.
- FOR HEATING, VENTILATION, AND COOLING SYSTEMS INFORMATION SEE V-SHEETS.
- FOR PLUMBING INFORMATION SEE P-SHEETS.
- 2'-0" X 2'-0" ACT SYSTEM IN LOCKER ROOMS AND TOILET TO BE MOISTURE/MOLD RESISTANT AND SCRUBABLE. ACT SYSTEM TO BE LOCATED 8'-6" AFF. SEE SPEC SECTION 09 51 13
- FOR INFORMATION REGARDING ROOF INSULATION SYSTEM SEE SPEC SECTION 13 34 19
- COORDINATE SUPPORT LOCATION OF CEILING SYSTEM WITH FIXTURES TO BE INSTALLED.
- NETTING SYSTEM IN PRACTICE AREA TO BE COORDINATED BETWEEN GC, SUPPLIER, AND INSTALLER. PROVIDE MEANS TO ACCESS LIGHTING BEYOND CEILING NETTING FOR MAINTENANCE.
- IF CANOPY AS SHOWN CAN BE SUPPORTED BY THE PRE-ENGINEERED METAL BUILDING, STEEL CANOPY SUPPORTS AND THEIR FOUNDATIONS MAY BE OMITTED.
- DOWNSPOUTS NOT TO EXPEL ONTO SIDEWALK. GC TO PROVIDE UNDERGROUND CONNECTION WITH DAYLIGHTING BEYOND THE SIDEWALK.

LEGEND OF SYMBOLS

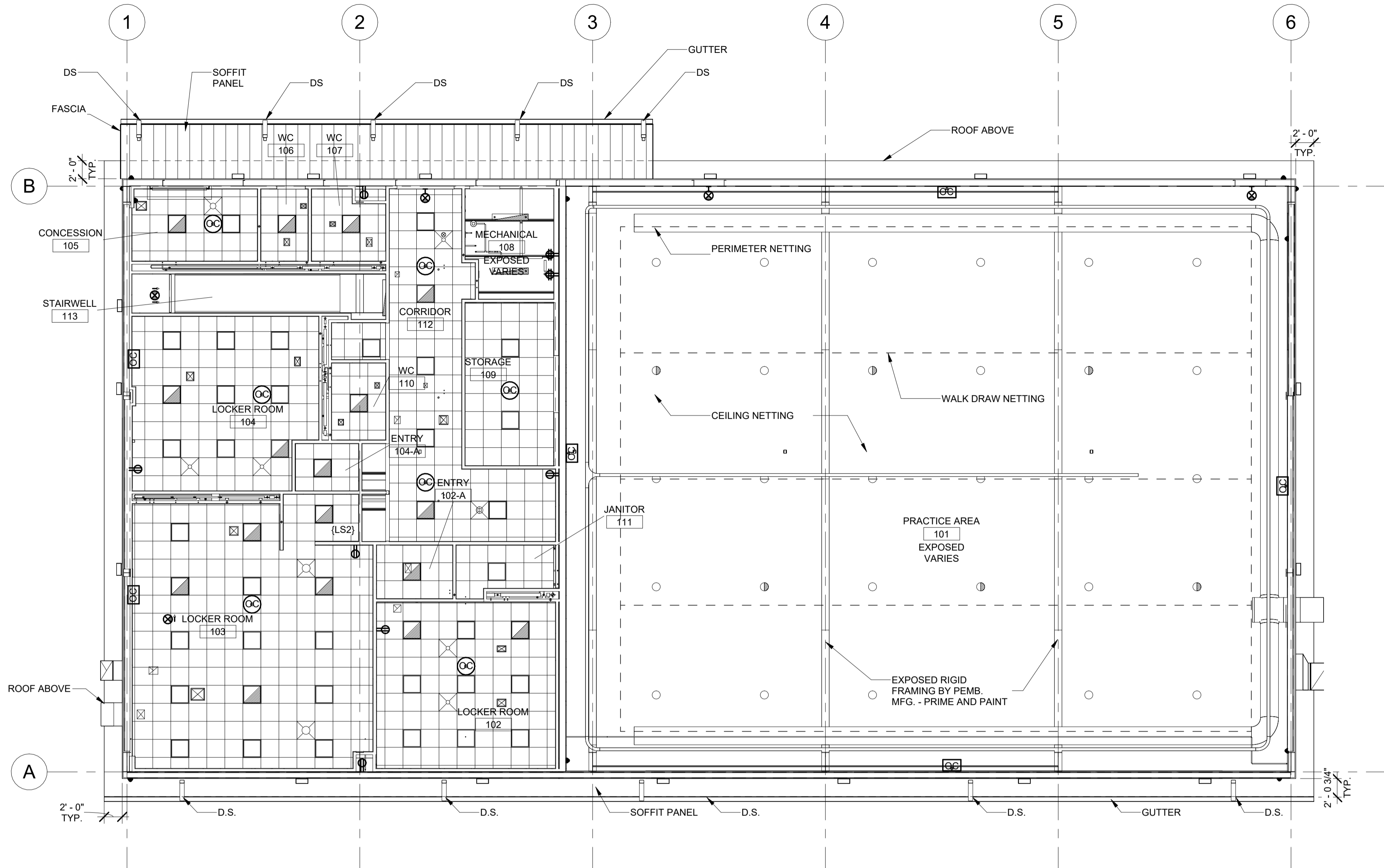
SYMBOLS	DESCRIPTION
	SUPPLY/OUTSIDE AIR DUCT SECTION
	EXHAUST/RELIEF AIR DUCT SECTION
	EXHAUST/RETURN AIR DUCT SECTION
	AIR GRILLE
	SINGLE-FACE EXIT SIGN
	DOUBLE-FACE EXIT SIGN
	WALL MOUNTED LUMINAIRE
	VENTILATION PIPE
	PRESSURE FLOW PIPE
	LINEAR LIGHTING FIXTURE
	NORMAL BRANCH LUMINAIRE
	EMERGENCY BRANCH LUMINAIRE
	OCCUPANCY SENSOR

MARK	DATE	DESCRIPTION

DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RWE

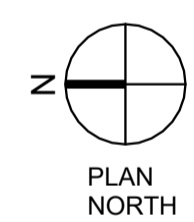
REFLECTED CEILING PLAN

A-102

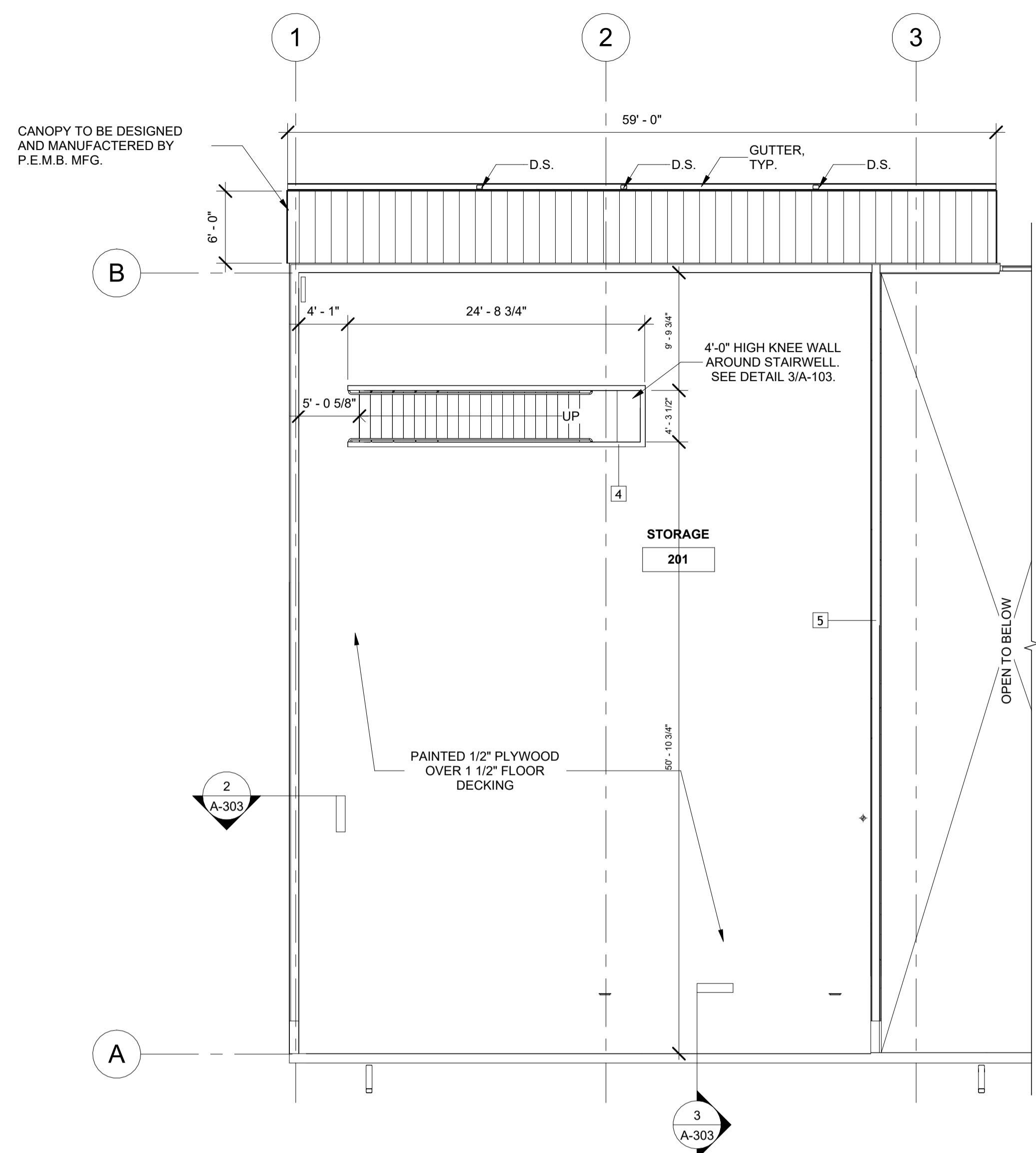


REFLECTED CEILING PLAN

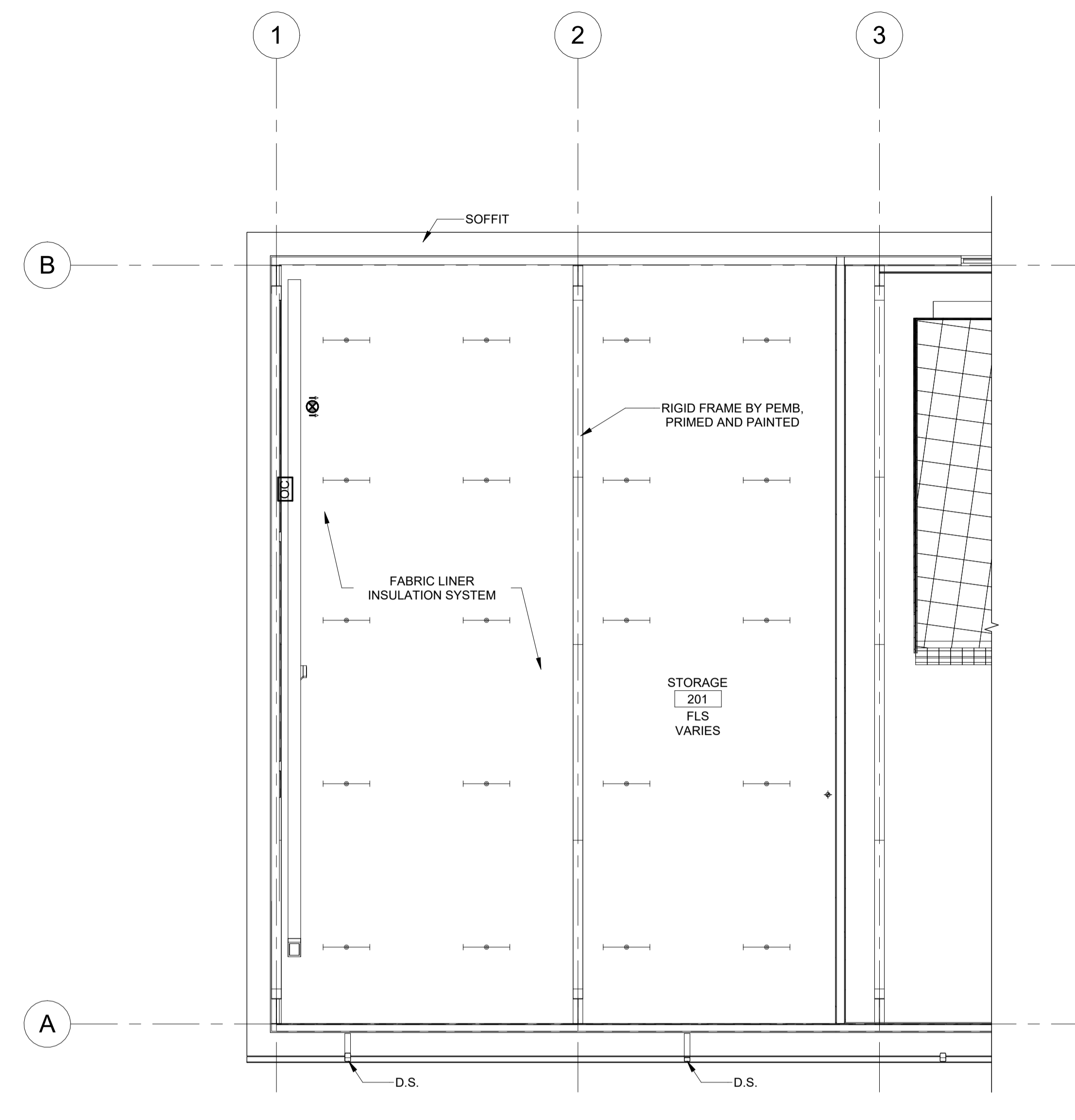
SCALE: 1/8" = 1'-0"



1
A-102

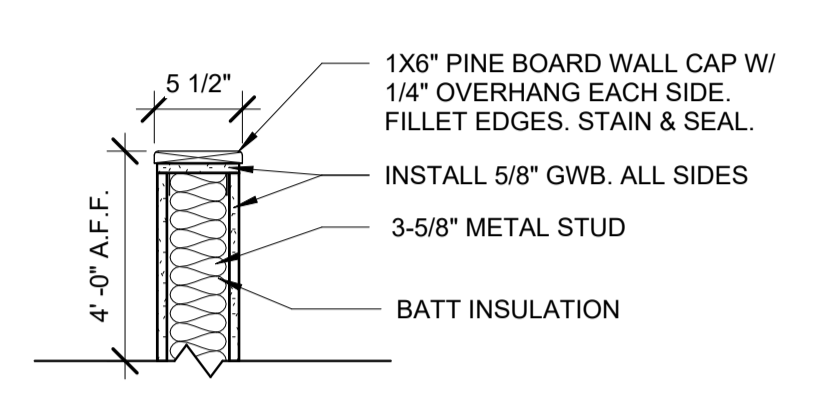


1 STORAGE PLAN
 SCALE: 1/8" = 1'-0"
 PLAN NORTH



2 STORAGE REFLECTED CEILING PLAN
 SCALE: 1/8" = 1'-0"
 PLAN NORTH

- GENERAL NOTES**
- FOR STRUCTURAL INFORMATION SEE S-SHEETS.
 - FOR HEATING, VENTILATION, AND COOLING SYSTEMS INFORMATION SEE V-SHEETS.
 - FOR PLUMBING INFORMATION SEE P-SHEETS.
 - FOR INFORMATION REGARDING LIGHTING AND POWER SEE E-SHEETS.
 - FOR INFORMATION REGARDING ROOF INSULATION SYSTEM SEE SPEC SECTION 13 40 00 - METAL BUILDING SYSTEM
 - FOR REFLECTED CEILING LEGEND SEE A-102.
 - WALL TYPES INDICATED BY [#] - SEE SHEET A-101.

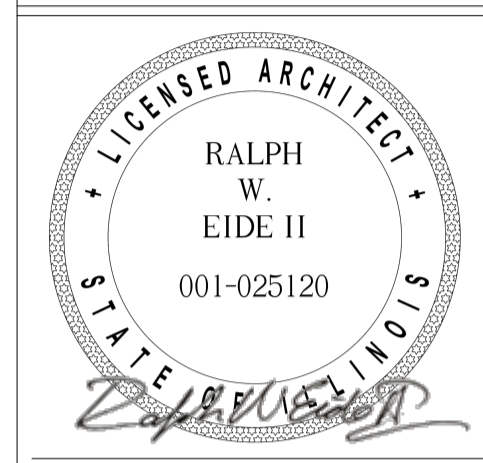


3 Knee Wall Detail
 SCALE: 1" = 1'-0"



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SPRINGFIELD, IL
ARNOLD, MO
NASHVILLE, TN



SIGNATURE: *Ralph W. Etde II*
 DATE: 04/23/2024
 LICENSE EXPIRES: 11-30-2024

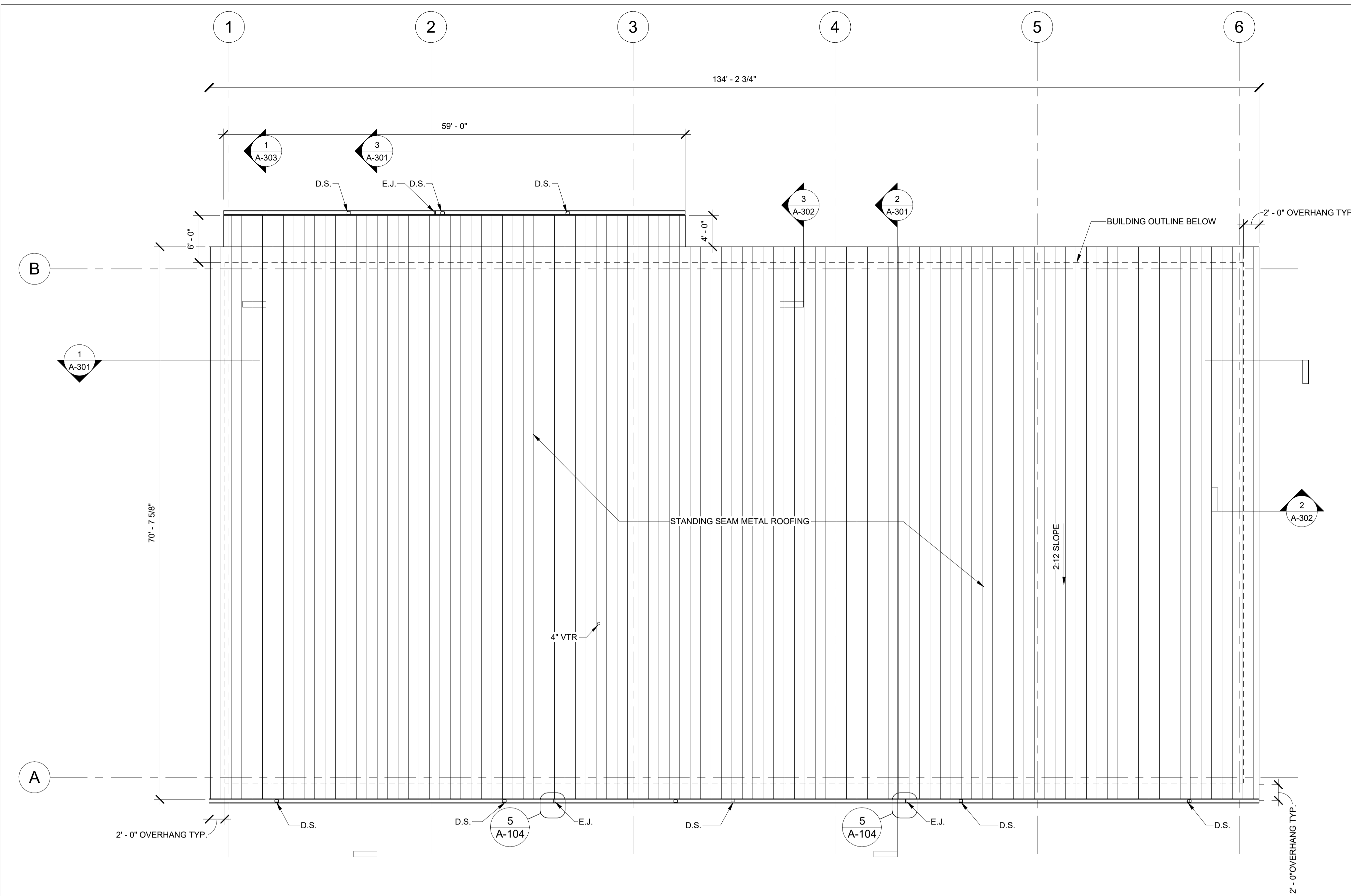
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ILLINOIS EASTERN COMMUNITY COLLEGES

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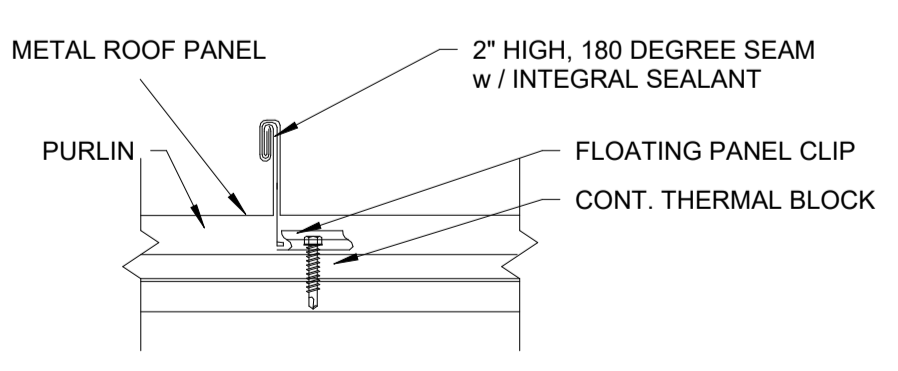
DATE: 04/23/2024
 PROJECT NO: 395-3272
 DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RW
 H.R.I. H.R.I. RW

STORAGE PLAN,
REFLECTED CEILING
PLAN

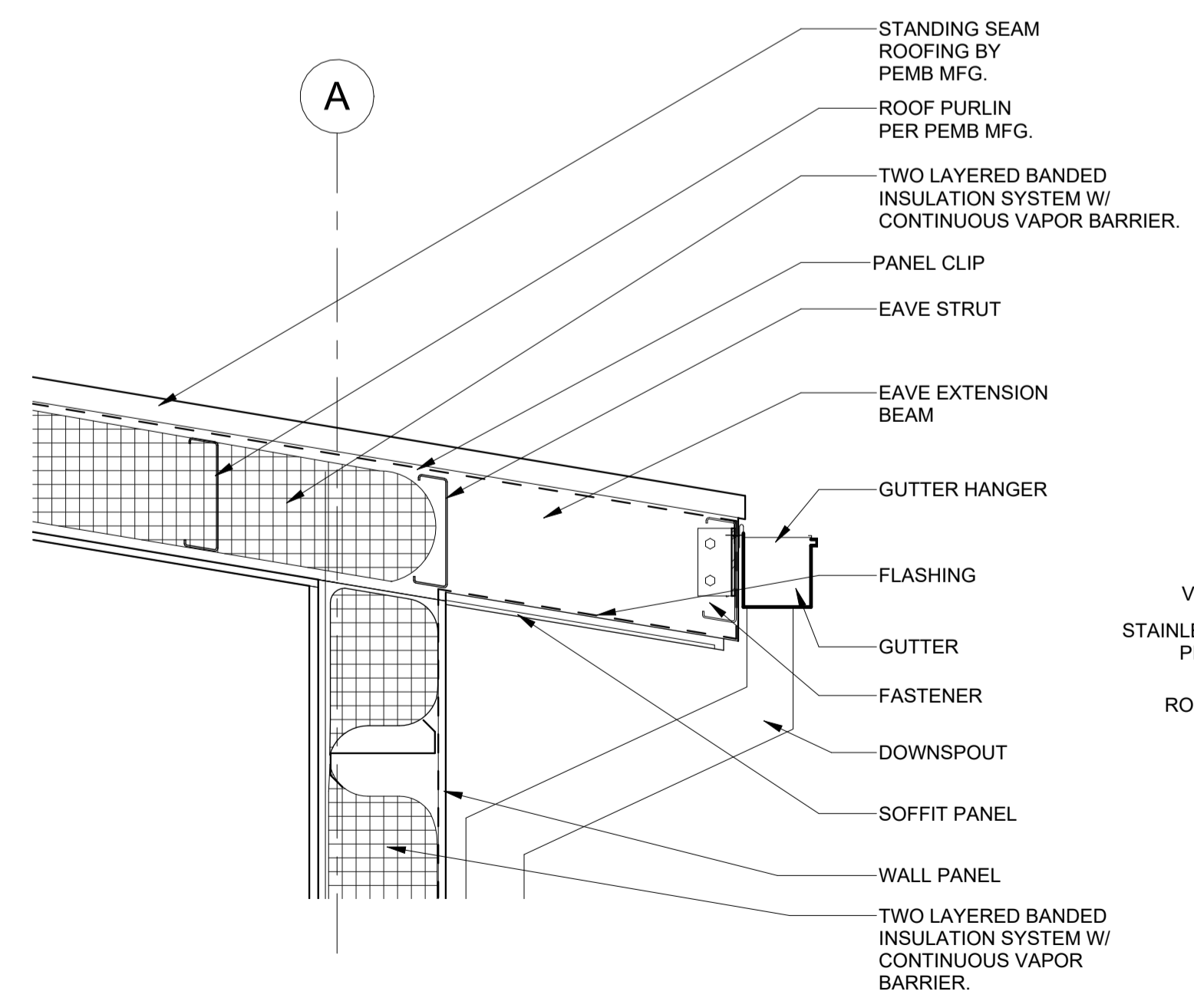
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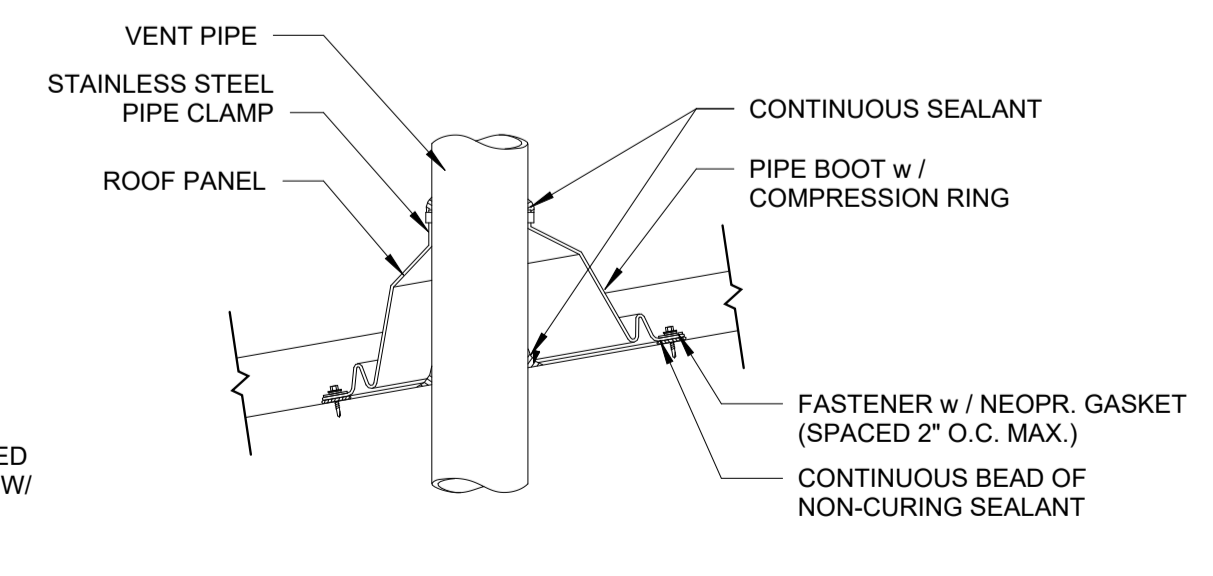
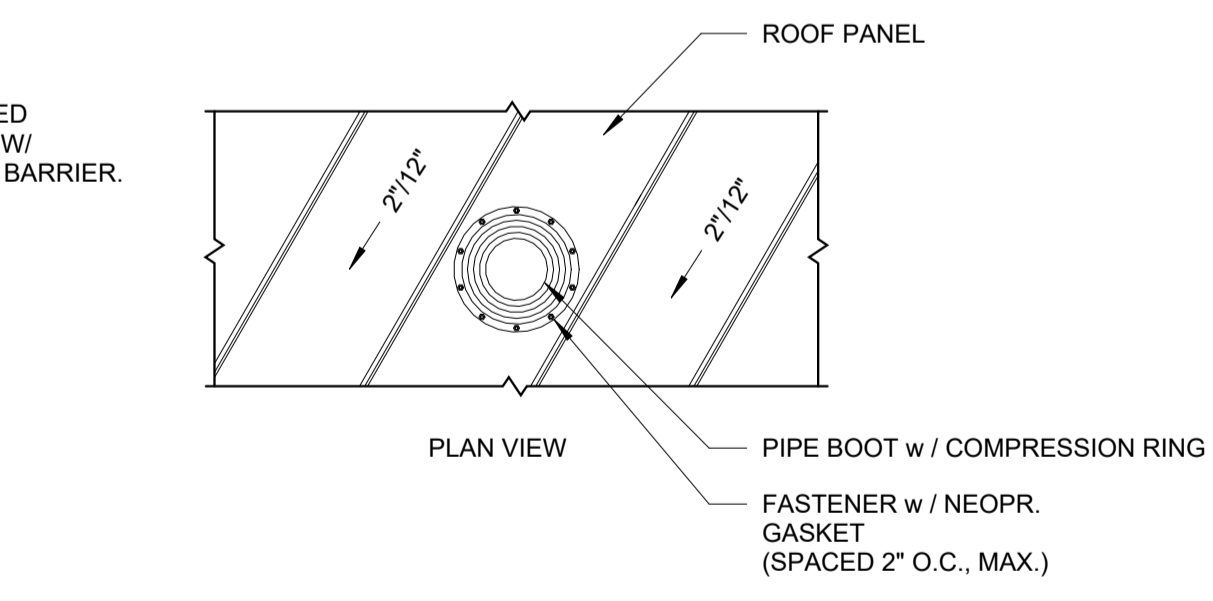
1 ROOF PLAN
 SCALE: 1/8" = 1'-0"
 PLAN NORTH



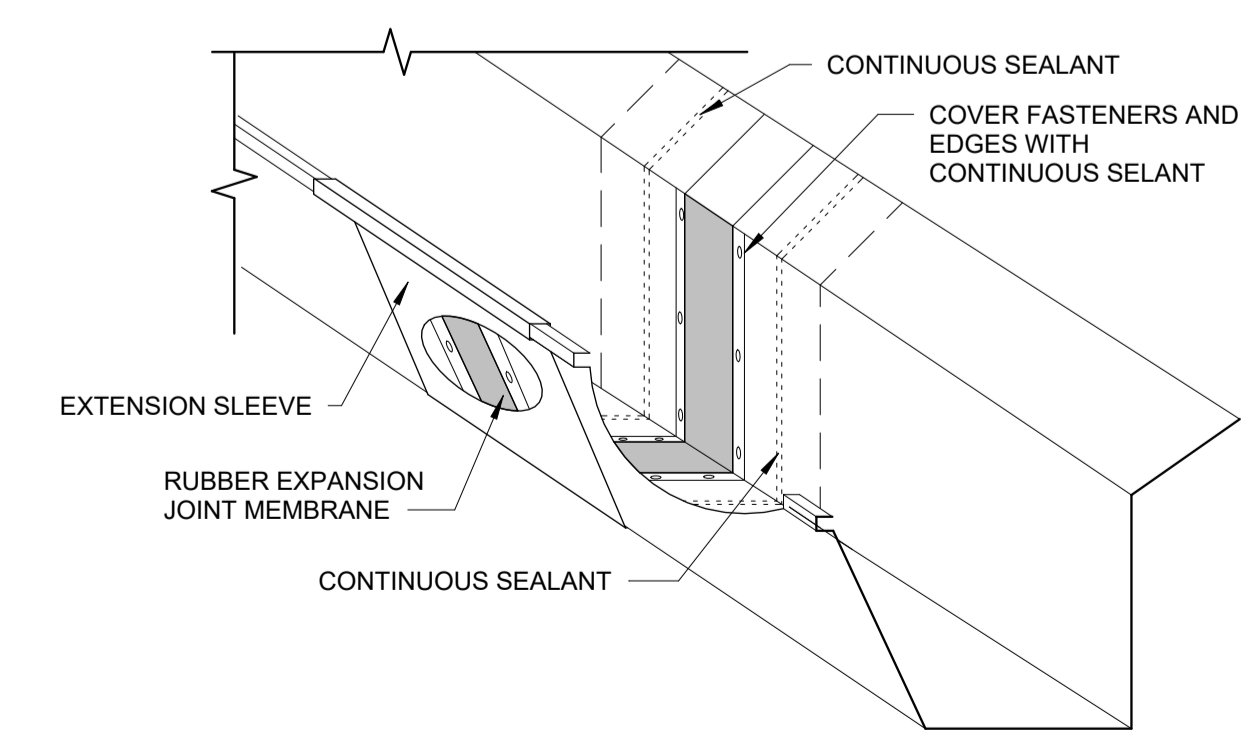
2 STANDING SEAM
 SCALE: 3" = 1'-0"



3 ROOF GUTTER DETAIL
 SCALE: 1" = 1'-0"



4 PIPE PENETRATION
 SCALE: 1 1/2" = 1'-0"



5 EXPANSION JOINT DETAIL
 NTS

- GENERAL NOTES**
- FOR STRUCTURAL INFORMATION SEE S-SHEETS.
 - FOR HEATING, VENTILATION, AND COOLING SYSTEMS INFORMATION SEE V-SHEETS.
 - FOR PLUMBING INFORMATION SEE P-SHEETS.
 - FOR INFORMATION REGARDING ROOF INSULATION SYSTEM SEE SPEC SECTION
 - IF CANOPY AS SHOWN CAN BE SUPPORTED BY THE PRE-ENGINEERED METAL BUILDING. STEEL CANOPY SUPPORTS AND THEIR FOUNDATIONS MAY BE OMITTED.
 - FLOW-THROUGH TYPE GUTTER EXPANSION JOINT REQUIRED AT CUTTER RUNS IN EXCESS OF 50'. MAX SPACING OF EXPANSION JOINT TO BE 50' SEE DETAIL 4/A-104
 - RECOMMENDED MINIMUM GUTTER AND DOWNSPOUT SIZES
 MAIN ROOF - 6" x 6" RECTANGULAR GUTTER
 4" x 4" RECTANGULAR DOWNSPOUTS (5)
 CANOPY - 3 1/2" x 3" RECTANGULAR GUTTER
 2" x 3" RECTANGULAR DOWNSPOUTS (2)
- SNOW RETENTION SYSTEM NOTES**
- THE LOW EAVE SHALL BE PROTECTED BY ANY OF THE SNOW RETENTION SYSTEM AS FOLLOWS:
 A. "SNOBAR": 800-711-9724. (ALUMINUM, STAINLESS STEEL SINGLE BAR, BETWEEN CLAMP-ON SEAM SADDLES.)
 B. "SNO BLOCKADE" BY SNO-GEM, INC., MCHENRY, IL 888-766-4367. (ALUMINUM SINGLE BAR, BETWEEN CLAMP-ON, ALUMINUM OR ZINC/ZAMAK SEAM SADDLES.)
 C. "X-GARD 1.0" BY S-5 888-825-3432. (ALUMINUM SINGLE BAR, BETWEEN CLAMP-ON, ALUMINUM OR BRASS SEAM SADDLES.)

HR
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 NASHVILLE, TN**

LICENSED ARCHITECT
 RALPH W. EIDE II
 001-025120

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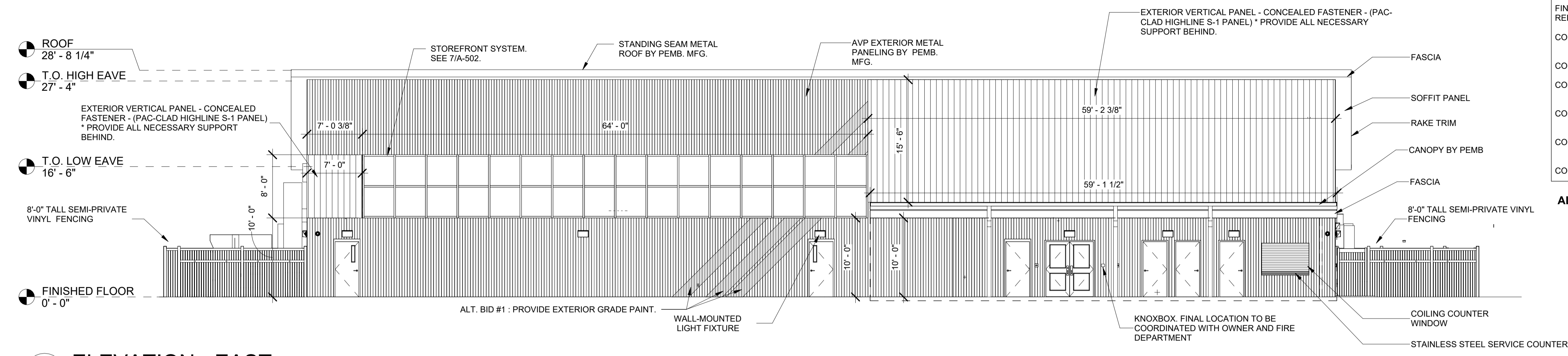
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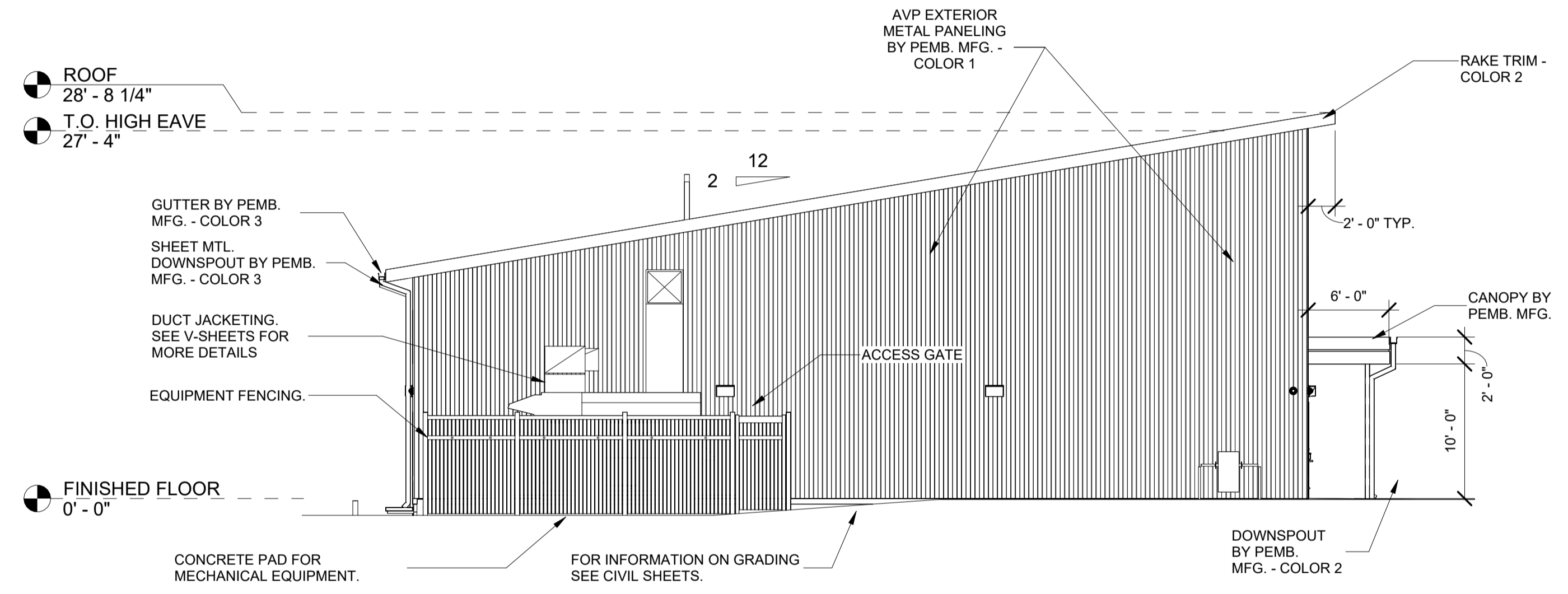
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ROOF PLAN

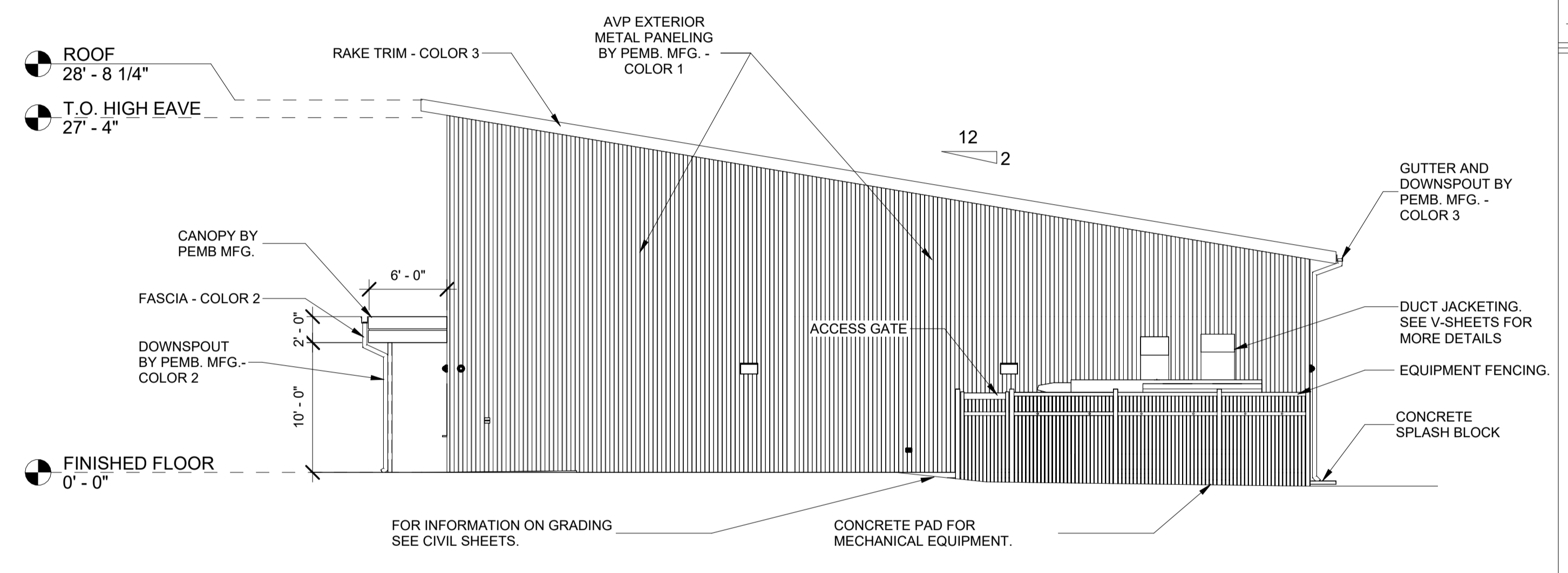
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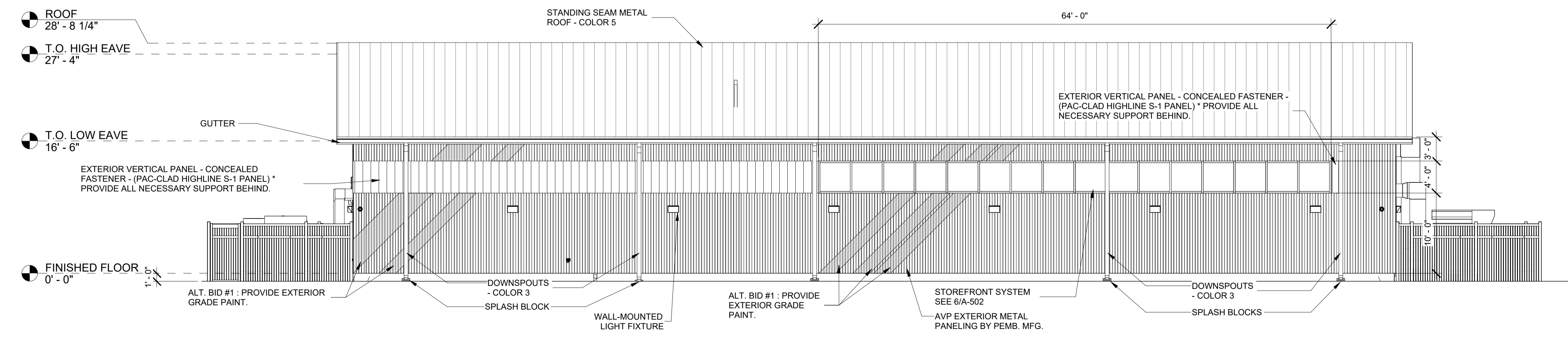
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SCALE: 1/8" = 1'-0"



2 ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"



4 ELEVATION - NORTH
SCALE: 1/8" = 1'-0"



3 ELEVATION - WEST
SCALE: 1/8" = 1'-0"

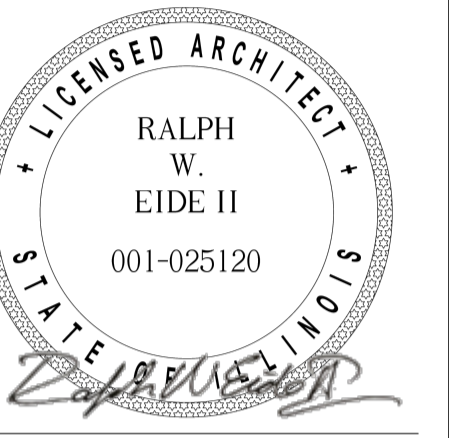
METAL PANEL COLORS	
FINAL COLOR SELECTION TO BE COORDINATED WITH A/E AND OWNERS REP FROM MANUFACTURERS AVAILABLE SELECTION.	
COLOR 1	FIELD COLOR. EXTERIOR WALL PANELS, U.N.O.
COLOR 2	ACCENT EXTERIOR VERTICAL PANEL - CONCEALED FASTENER -
COLOR 3	TRIM COLOR, ROOF AND CANOPY FASCIA, ROOF ACCESSORIES, GUTTERS & DOWNSPOUTS
COLOR 4	SOFFIT PANEL
COLOR 5	ROOF PANELS
COLOR 6	INTERIOR WALL PANELS

ALTERNATE #1
Painting of angled stripes on exterior panels, east and west elevations. Approximately 221 square feet, with final color and design layout to be coordinated with owner.



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EAST ST. LOUIS, IL
SPRINGFIELD, IL
ARNOLD, MO
NASHVILLE, TN**



SIGNATURE: *Ralph W. Eide II*
DATE: 04/23/2024
LICENSE EXPIRES:

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WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
ILLINOIS EASTERN COMMUNITY COLLEGES**

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**BUILDING
ELEVATIONS**

A-201



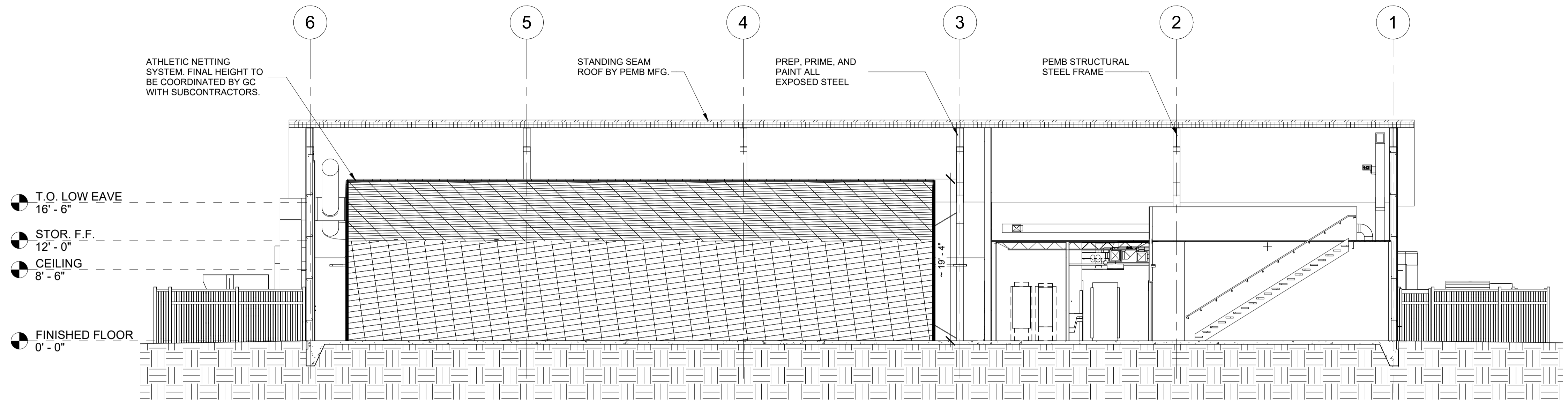
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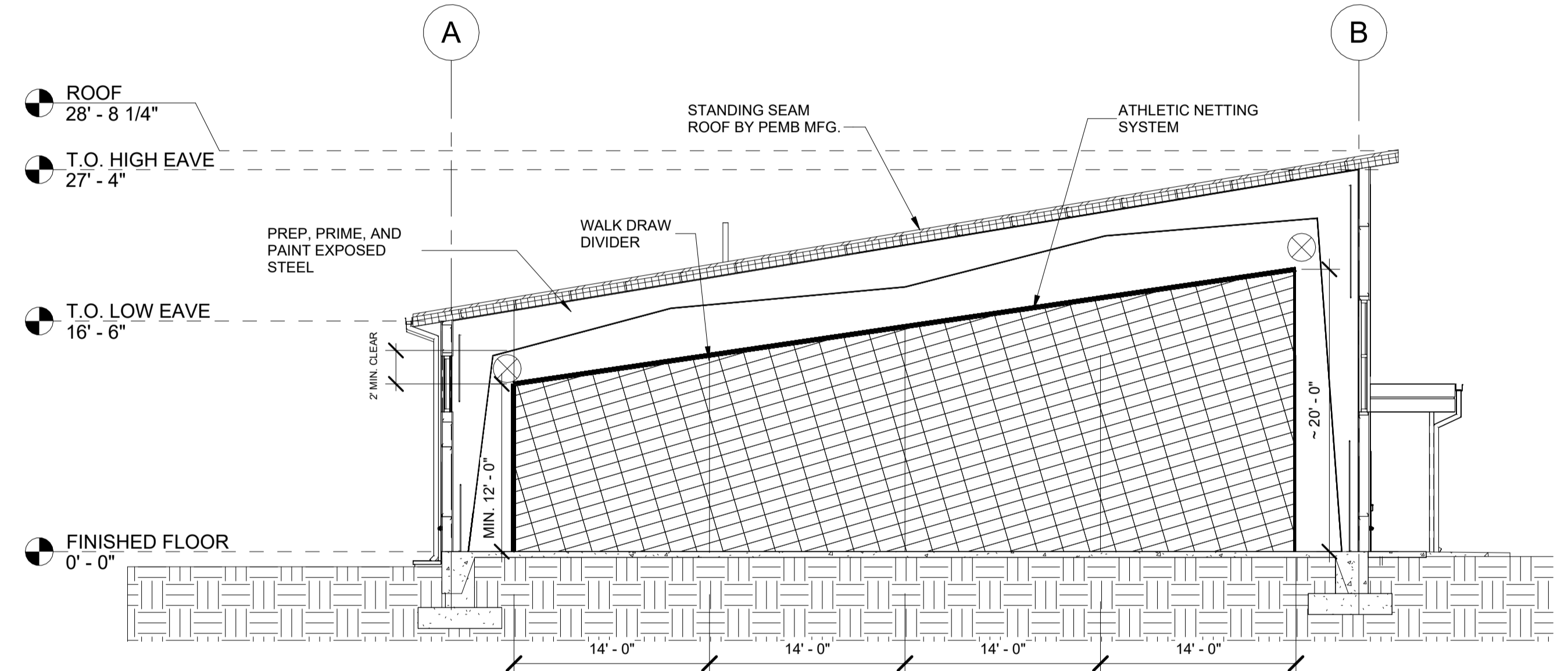
HILLSBORO, IL
EAST ST. LOUIS, IL
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ARNOLD, MO
NASHVILLE, TN



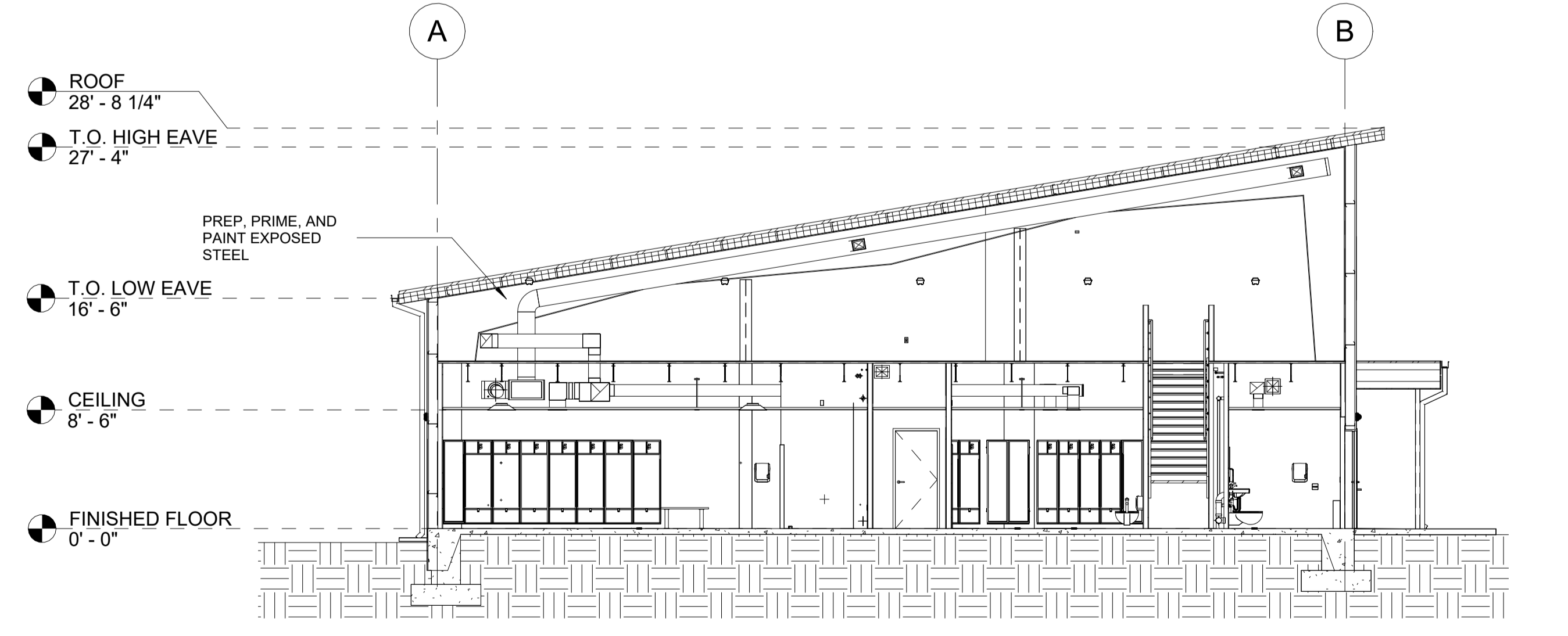
SIGNATURE
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1 BUILDING SECTION
A-301 SCALE: 1/8" = 1'-0"



2 BUILDING SECTION
A-301 SCALE: 1/8" = 1'-0"



3 BUILDING SECTION
A-301 SCALE: 1/8" = 1'-0"

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BUILDING SECTIONS

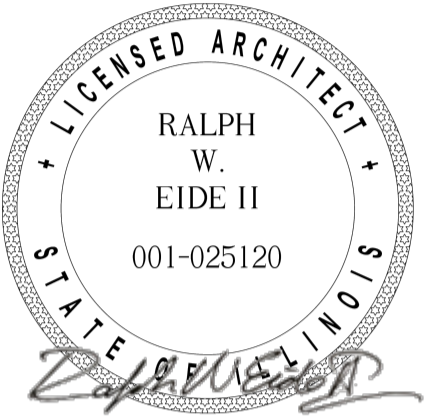
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SIGNATURE: [Signature]
DATE: 04/23/2024
DATE: 11/30/2024
LICENSE EXPIRES

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

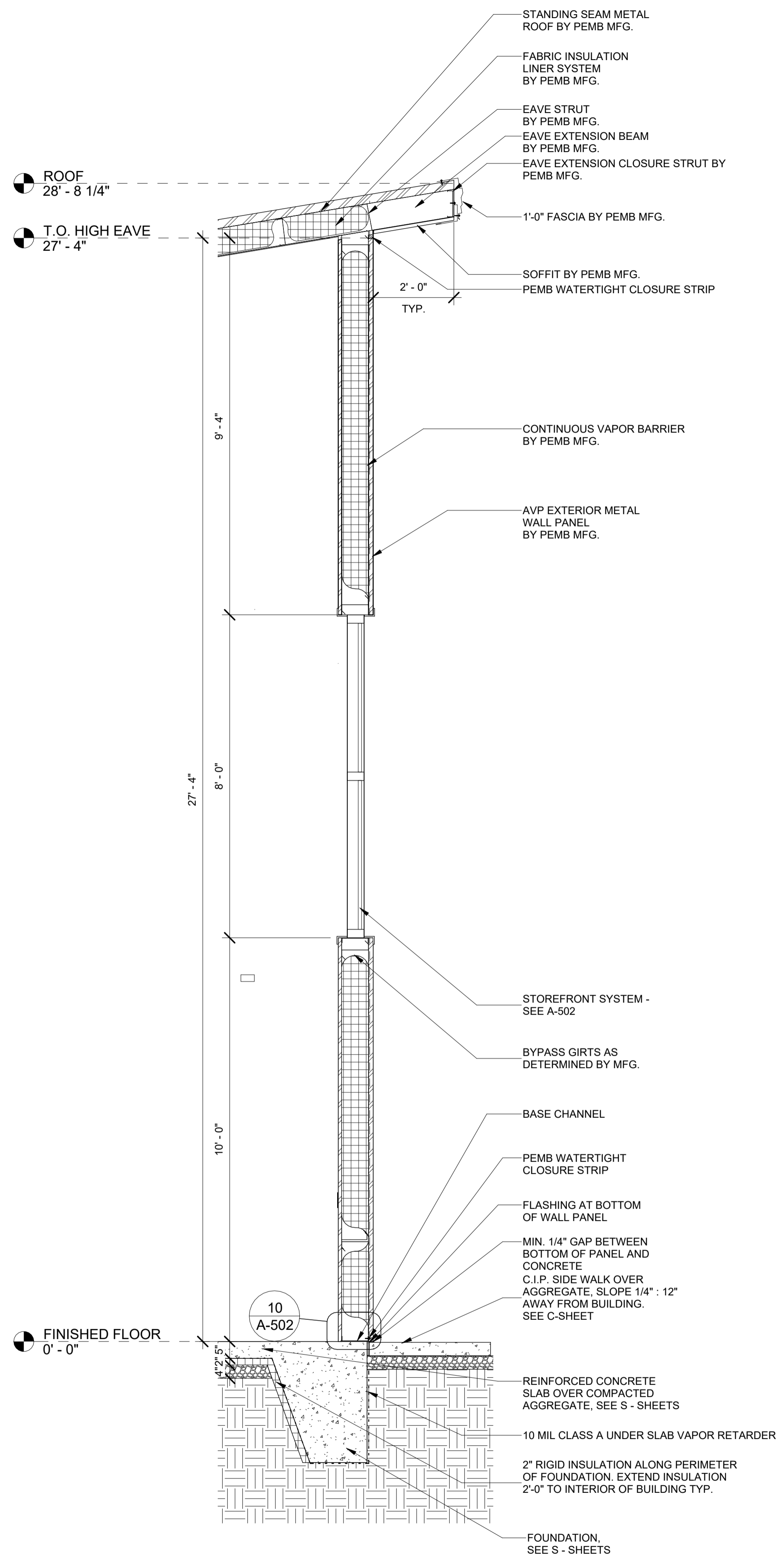
DATE: 04/23/2024

PROJECT NO: 395-3272

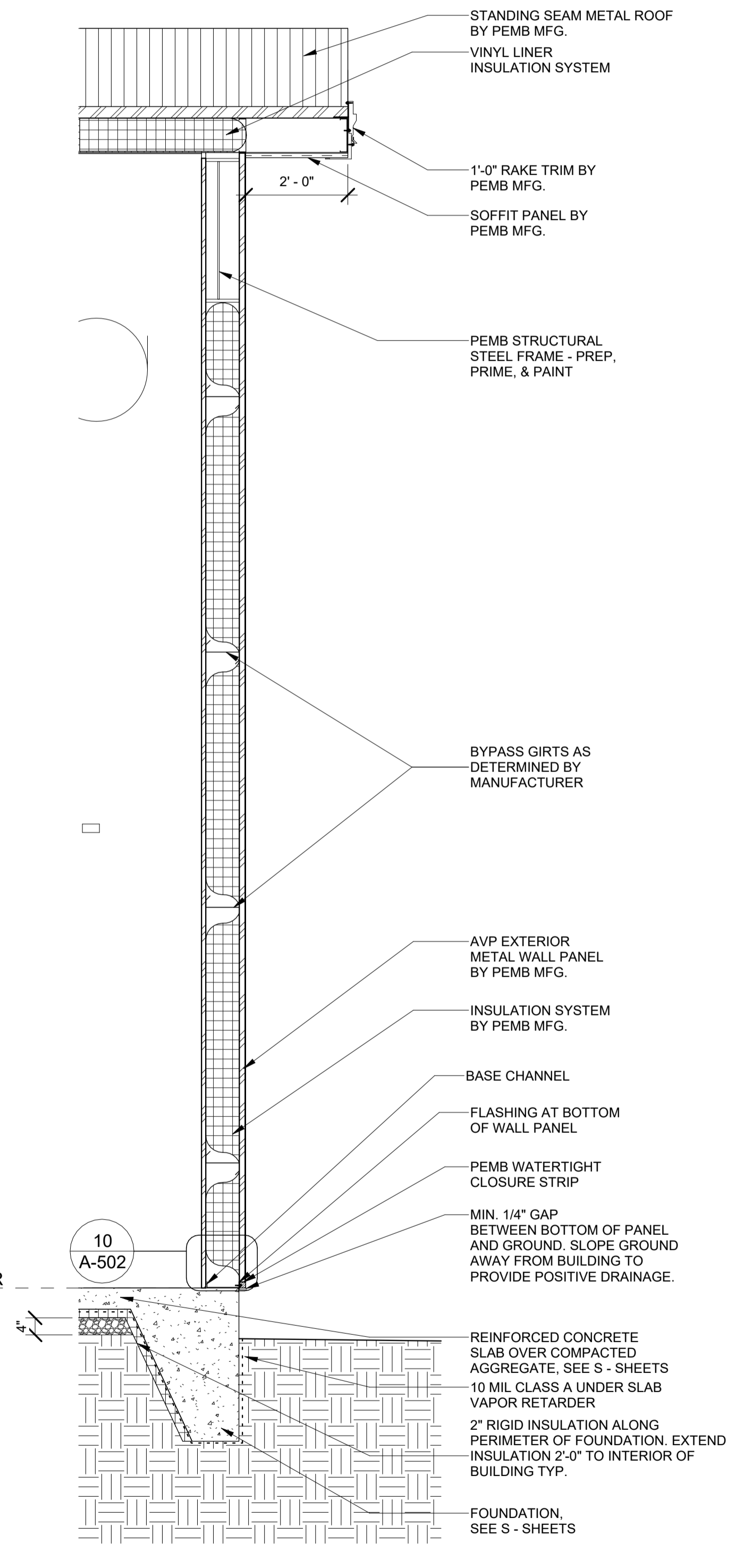
DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RWE

WALL SECTIONS

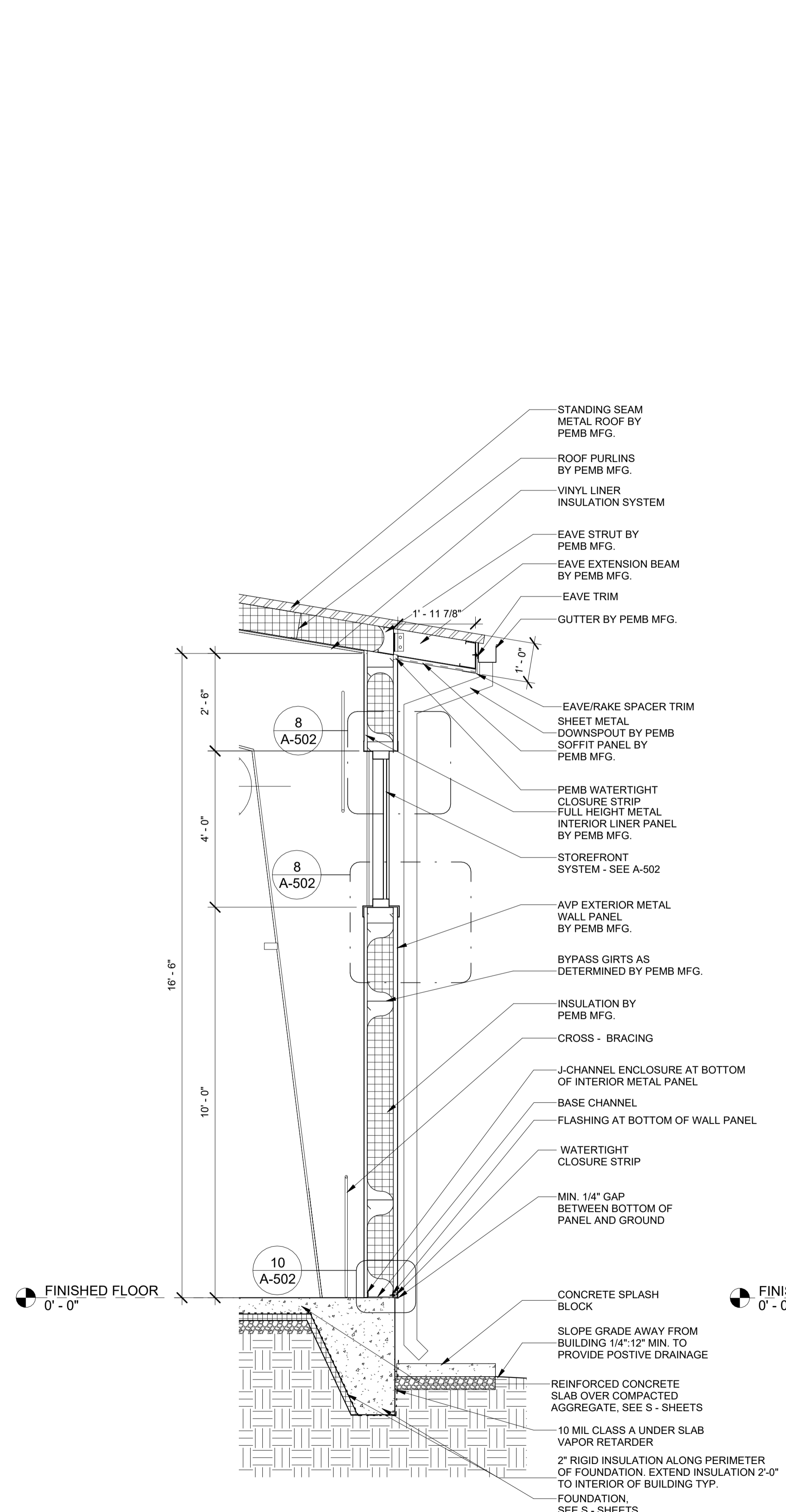
A-302



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



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



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



SIGNATURE
 04/23/2024
 DATE
 LICENSE EXPIRES

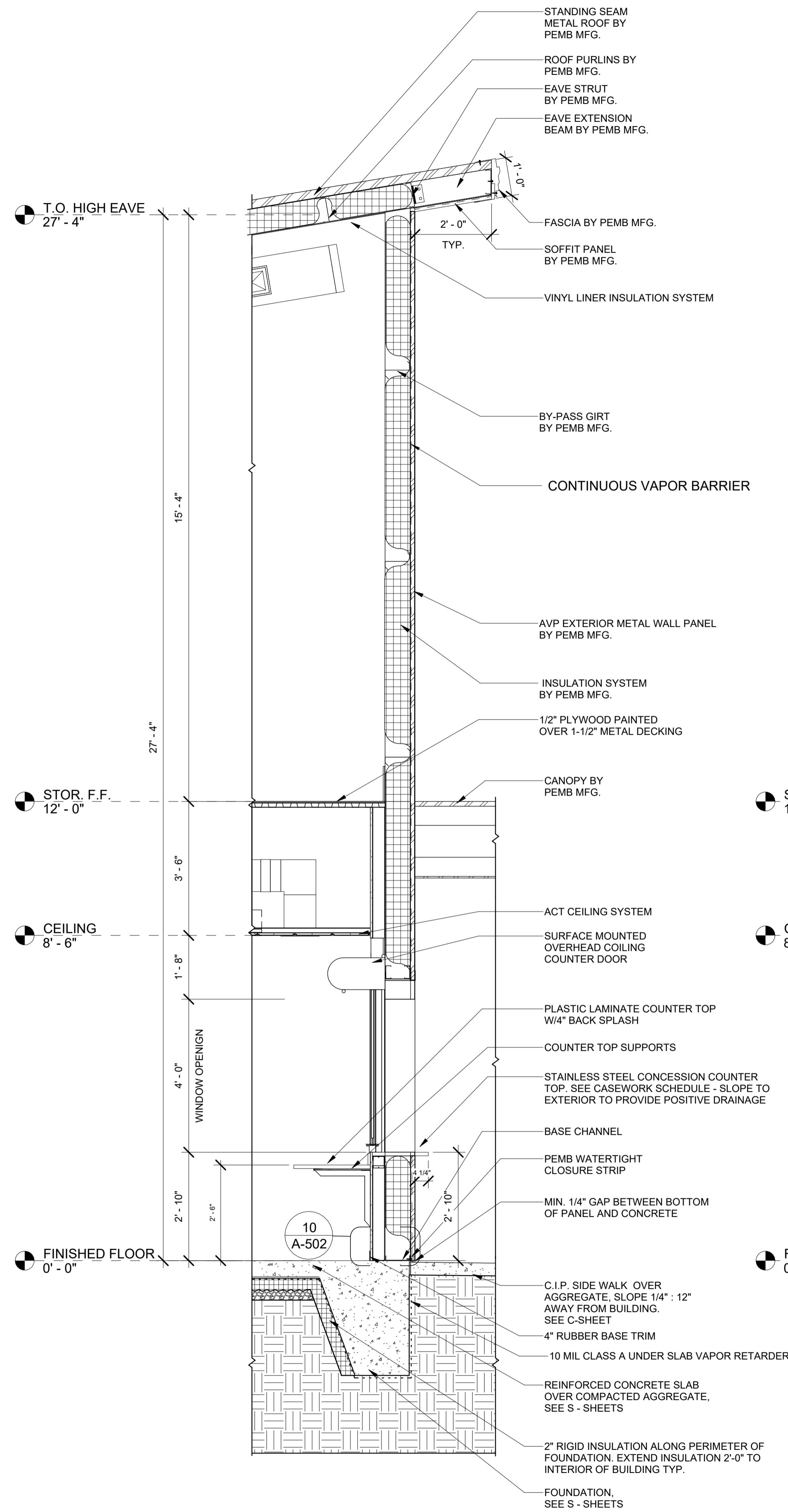
ATHLETIC TRAINING FACILITY
 WABASH VALLEY COLLEGE
 2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
 ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

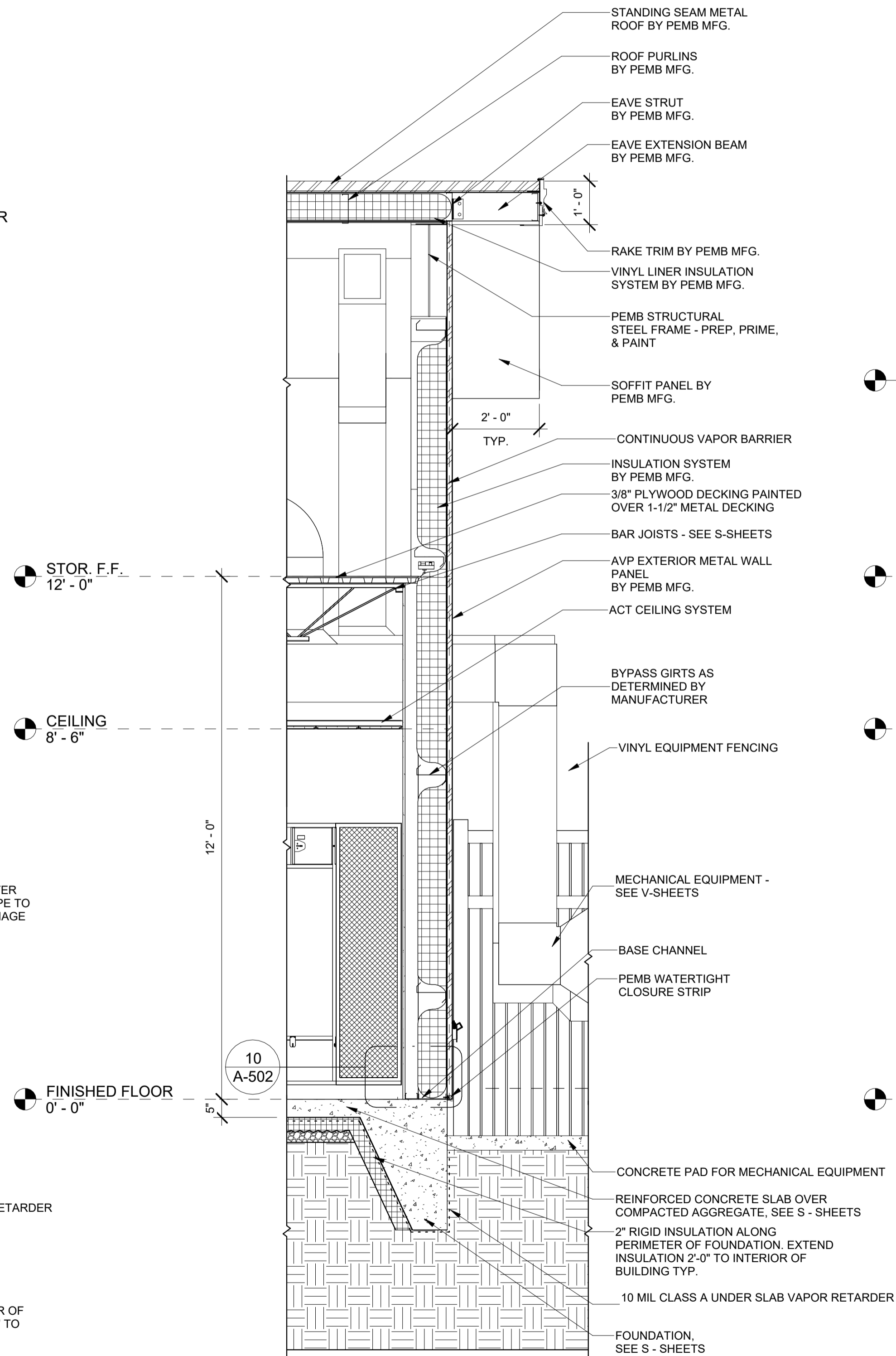
DATE: 04/23/2024
 PROJECT NO: 395-3272
 DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RWE

WALL SECTIONS

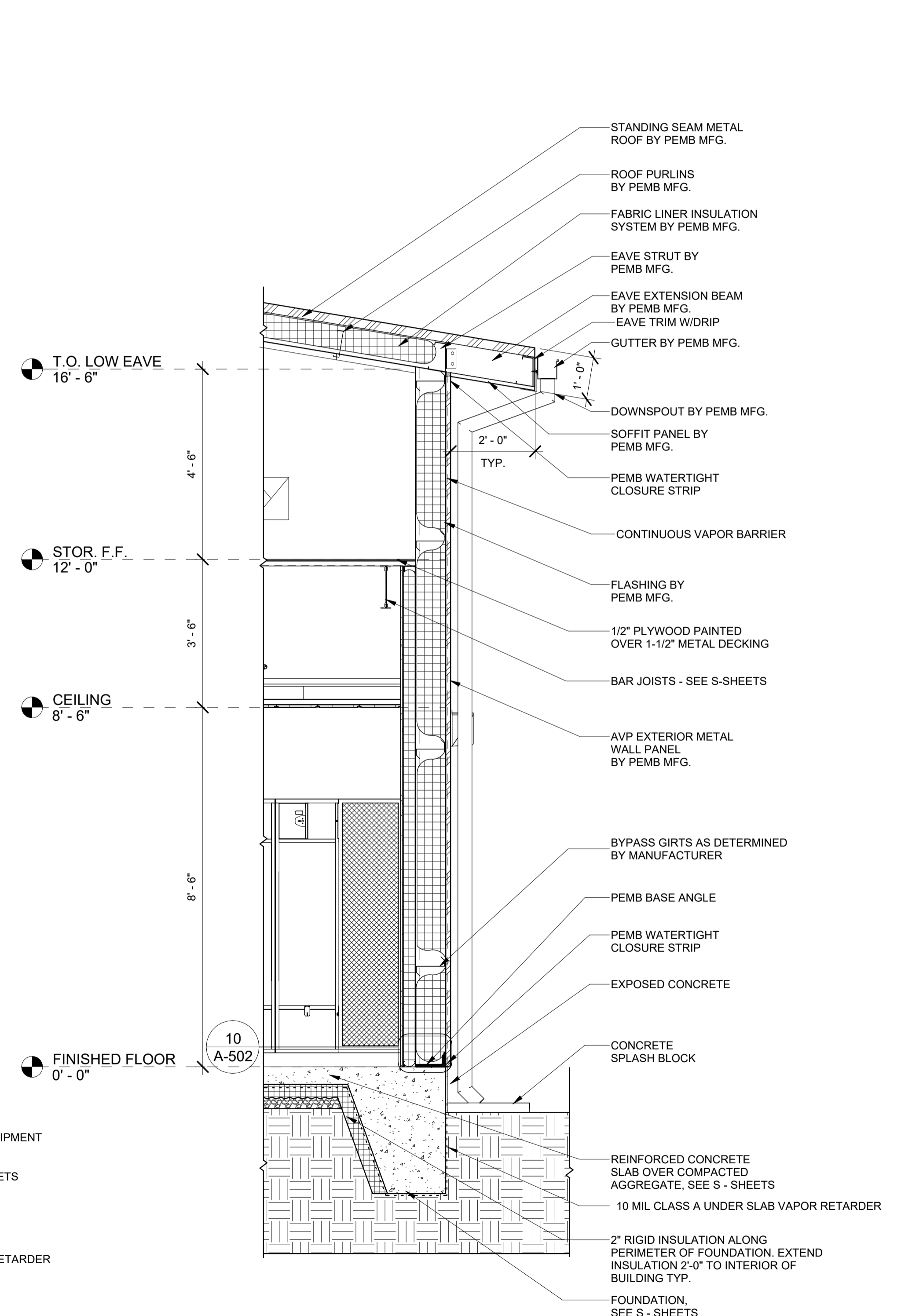
A-303



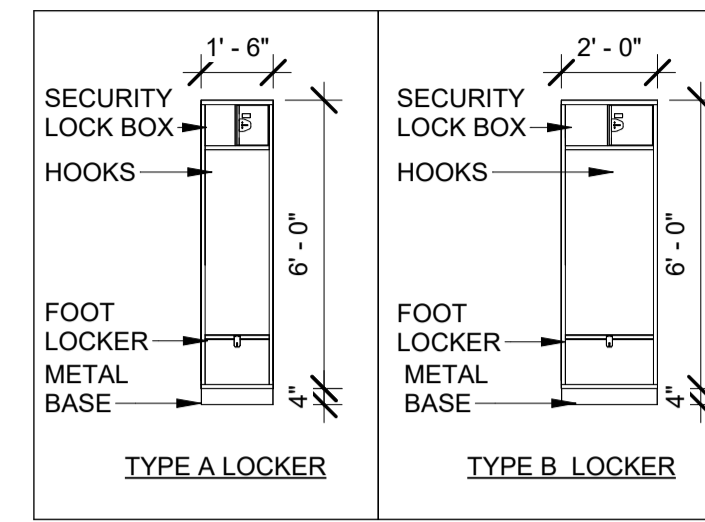
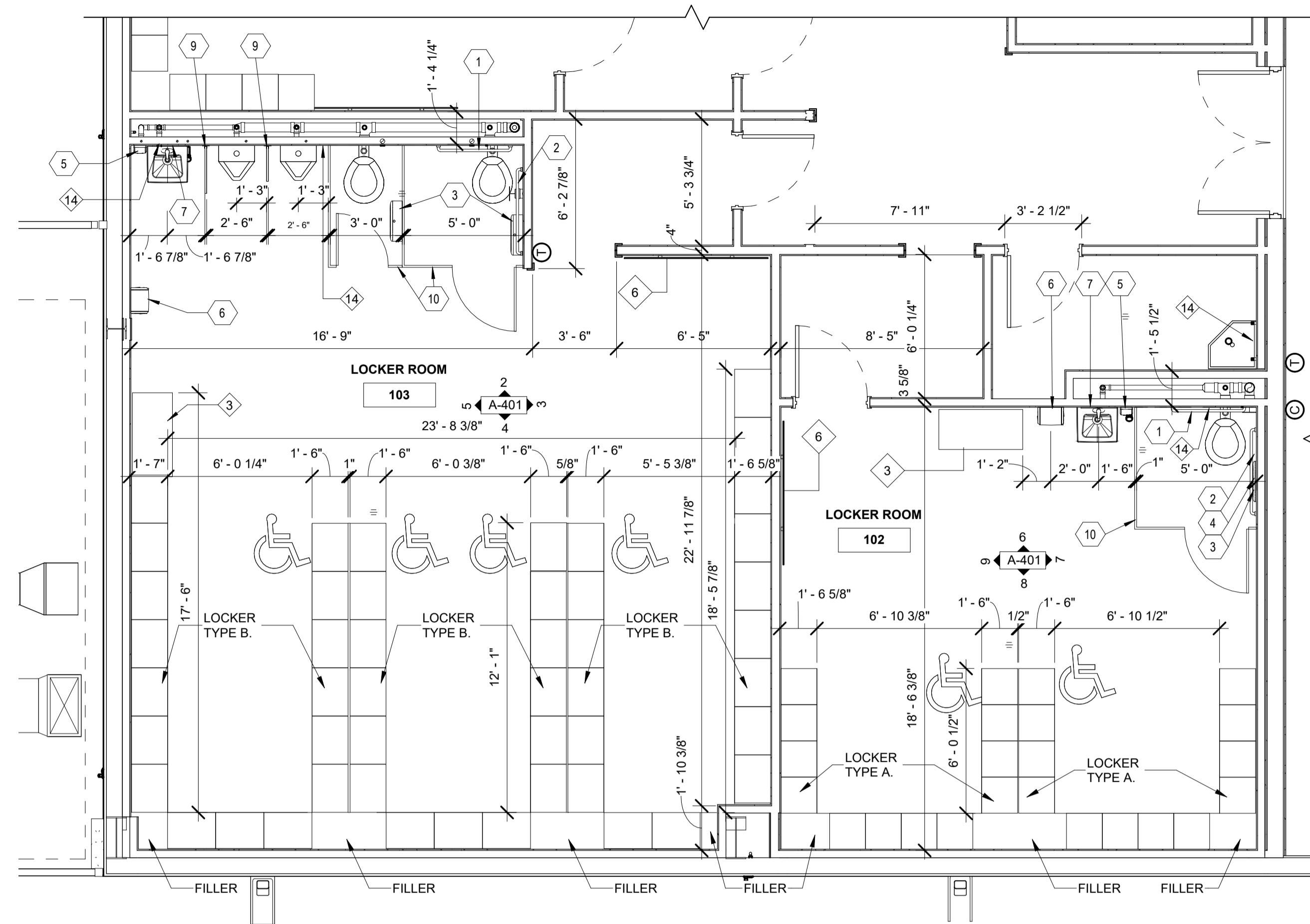
1 WALL SECTION
 SCALE: 1/2" = 1'-0"



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



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



10 A-401 TYPICAL LOCKER DETAIL
SCALE: 1/4" = 1'-0"

#	DESCRIPTION	MOUNT HEIGHT	COMMENTS
1	GRAB BAR 36"	3'-0"	INSTALL TO TOP OF GRIPPING SURFACE
2	GRAB BAR 42"	3'-0"	INSTALL TO TOP OF GRIPPING SURFACE
3	TOILET TISSUE DISPENSER (SURF. MTD.)	1'-4"	INSTALL TO BOTTOM OF UNIT. INSTALL 8" TO CL. FROM LEADING EDGE OF TOILET.
4	SANITARY NAPKIN DISPOSAL (SURF. MTD.)	2'-4"	INSTALL TO TOP OF UNIT.
5	SOAP DISPENSER (SURF. MTD.)	3'-4"	INSTALL TO BOTTOM OF UNIT, OWNER TO PROVIDE
6	TOWEL DISPENSER (SURF. MTD.)	3'-4"	INSTALL TO BOTTOM OF UNIT
7	FRAMED MIRROR - 18" x 36"	3'-4"	INSTALL TO BOTTOM OF REFLECTIVE SURF.
8	CHANGING STATION	2'-9"	INSTALL TO SURFACE OF BED
9	URINAL SCREEN	1'-0"	18" X 48", WALL-MOUNTED
10	TOILET PARTITION	-	HEADRAIL BRACED

#	KEYED NOTES
Note Number	Note Content
1	STATIC PERIMETER NETTING
2	WALK-DRAW DIVIDER CURTAIN
3	ADA BENCH - TO BE INSTALLED PER ADA REQUIREMENTS.
4	DRINKING FOUNTAIN WITH BOTTLE FILLER - SEE P SHEETS FOR MORE INFORMATION
5	CORNER MOP SINK SEE P-SHEETS FOR MORE INFORMATION
6	6'-0" X 4'-0" MARKER BOARD - FOR MORE INFORMATION SEE SPEC. 10 11 00
7	SIDEWALK - SEE 6/ A-501, C-SHEETS FOR MORE DETAILS
8	STRUCTURAL STOOP - SEE DETAIL 7/S-301, 6/A-501
9	ICE MAKER - FOR MORE INFORMATION SEE SPEC. 11 40 00
10	CANOPY BY PEMB MANUFACTURER
11	TELEVISION - NOT PART OF CONTRACT, SEE E-SHEETS FOR RELATED WORK.
12	NOT USED
13	DOWNSPOUT W/SPLASH BLOCK - FOR MORE INFORMATION SEE SPEC. #03 48 16
14	PROVIDE SERVICE ACCESS PANEL FOR WATER HAMMER ARRESTORS. GC TO COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR



HURST-ROSCHÉ, Inc.
PROFESSIONAL DESIGN NUMBER: 154-00298

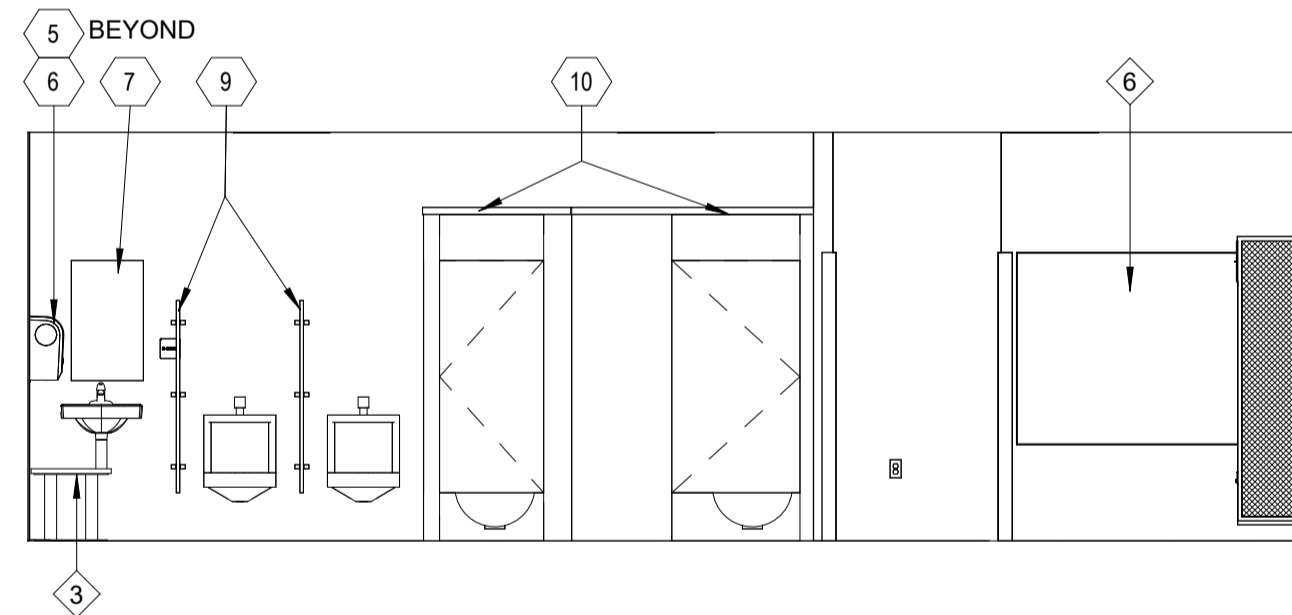
200 N. MARKET STREET
MARION, IL
PH: 618.998.0075

HILLSBORO, IL
EAST ST. LOUIS, IL
SPRINGFIELD, IL
ARNOLD, MO
NASHVILLE, TN

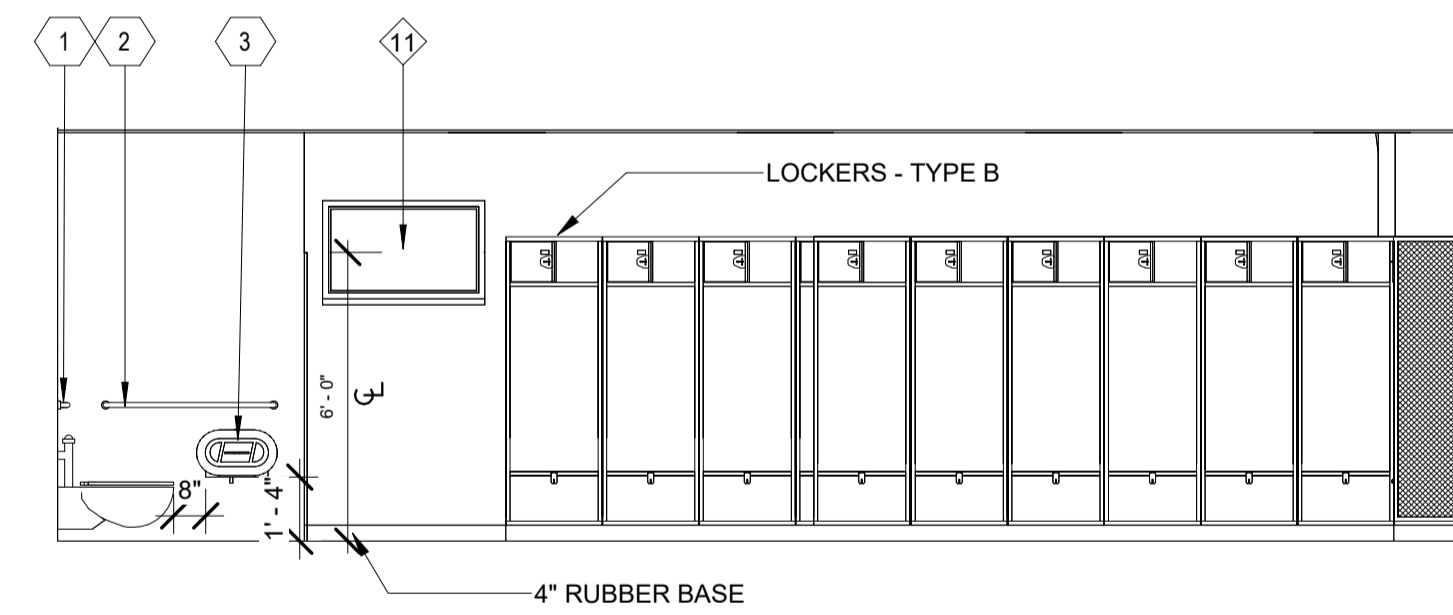


SIGNATURE: [Signature]
DATE: 04/23/2024
LICENSE EXPIRES: 11-30-2024

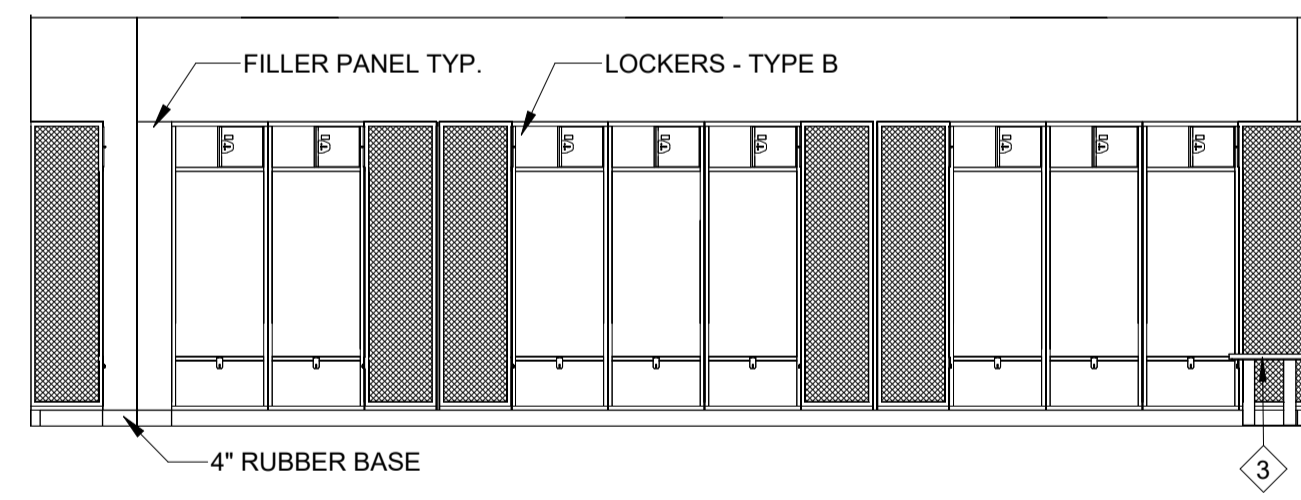
1 A-401 LOCKER ROOM 102 AND 103
SCALE: 1/4" = 1'-0"



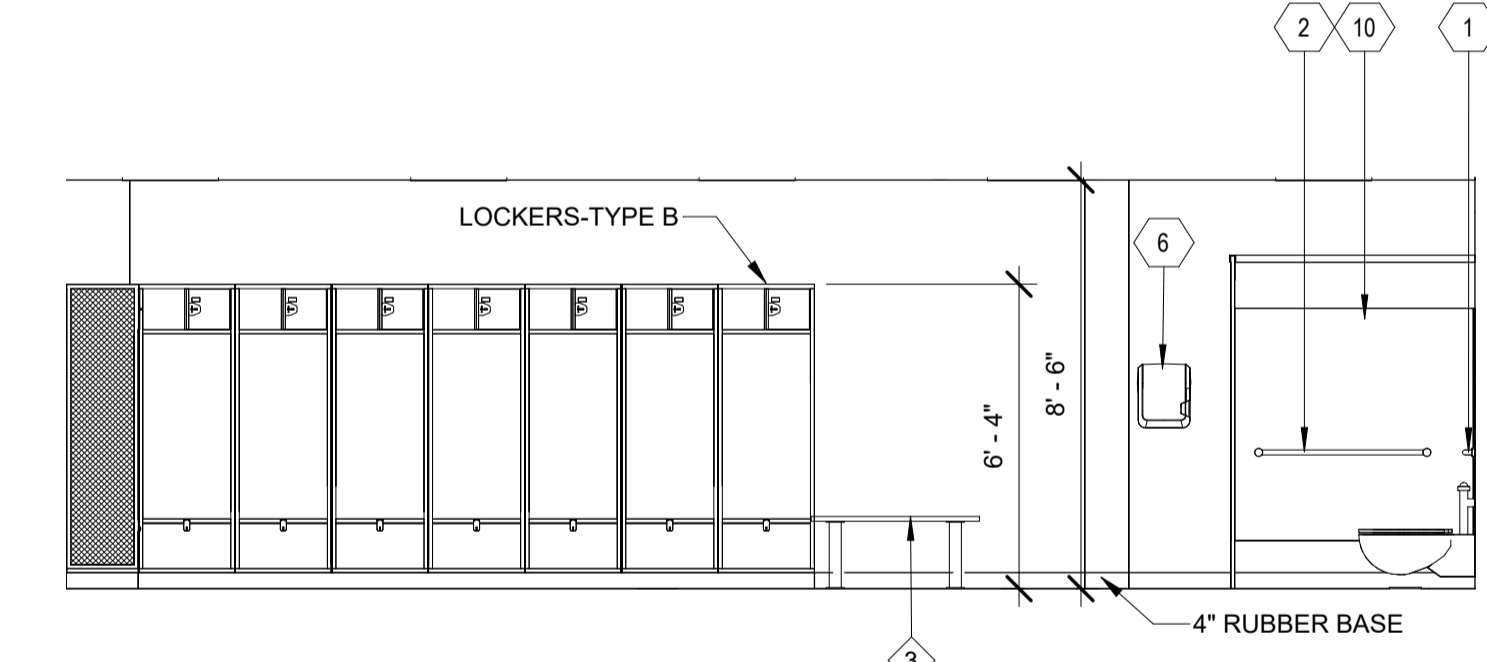
2 A-401 LOCKER ROOM 103
SCALE: 1/4" = 1'-0"



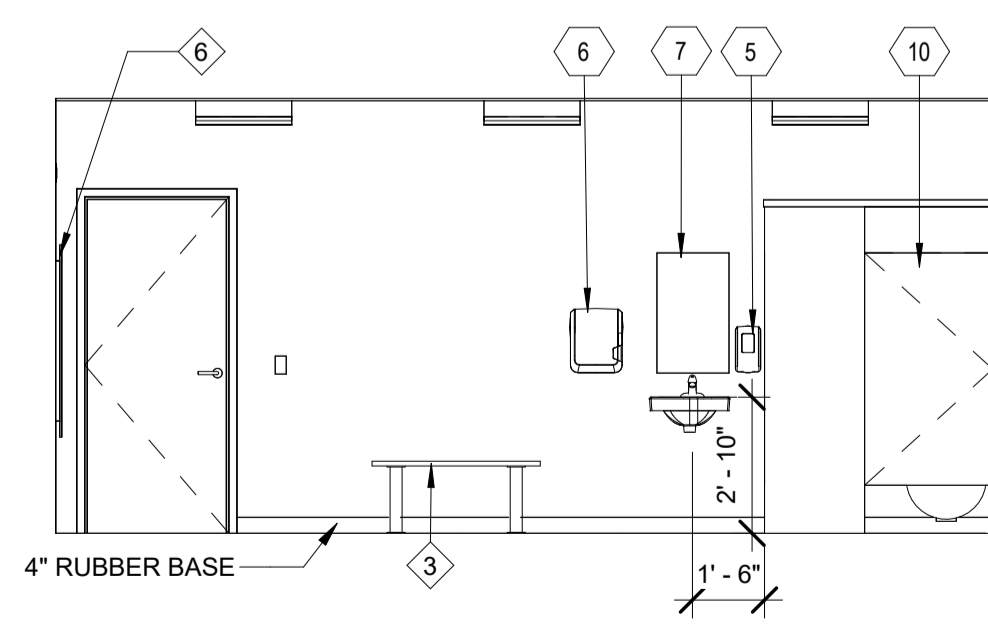
3 A-401 LOCKER ROOM 103
SCALE: 1/4" = 1'-0"



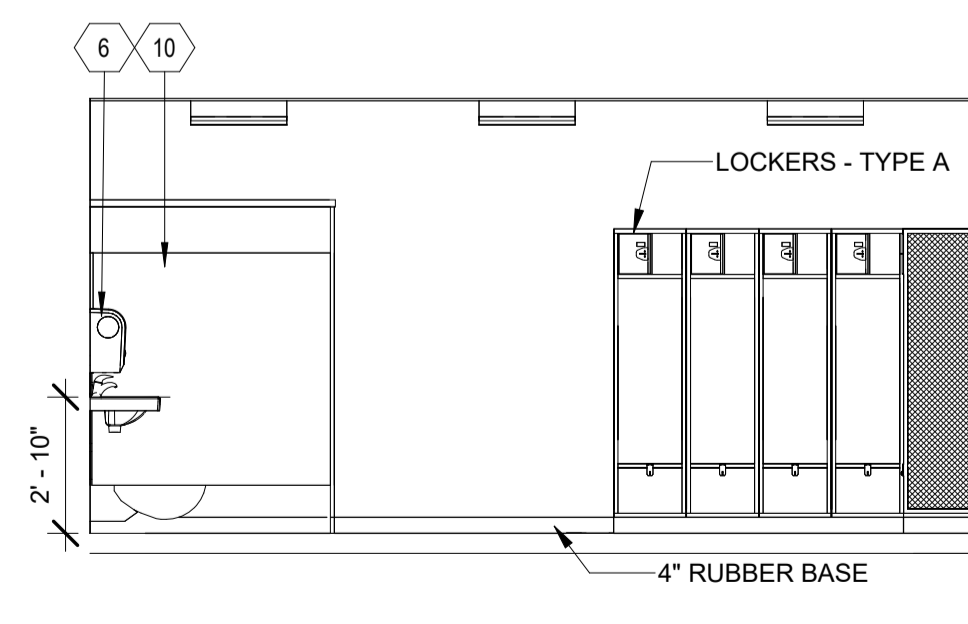
4 A-401 LOCKER ROOM 103
SCALE: 1/4" = 1'-0"



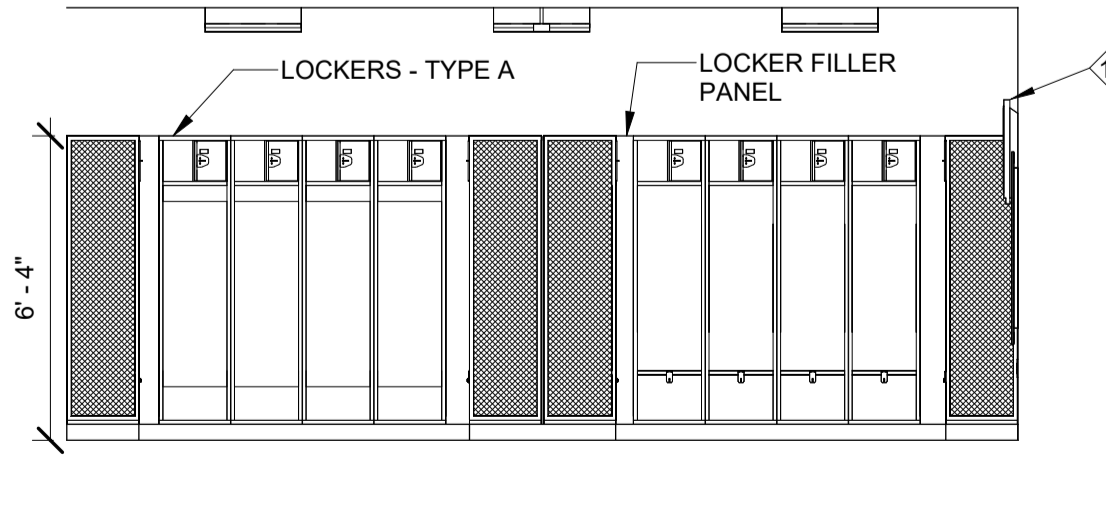
5 A-401 LOCKER ROOM 103
SCALE: 1/4" = 1'-0"



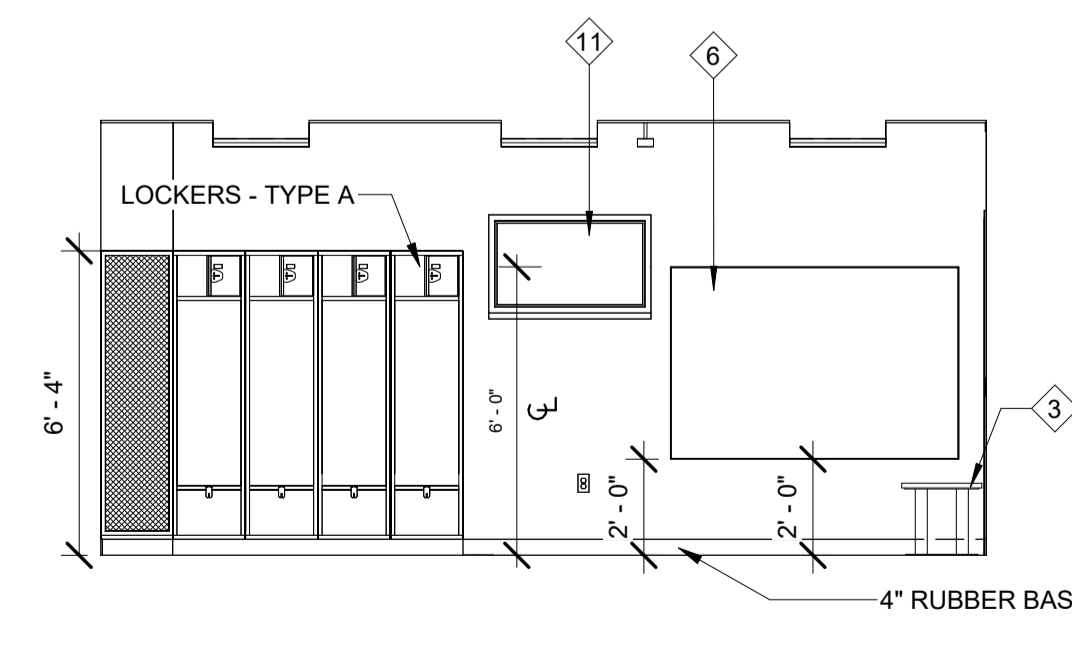
6 A-401 LOCKER ROOM 102
SCALE: 1/4" = 1'-0"



7 A-401 LOCKER ROOM 102
SCALE: 1/4" = 1'-0"



8 A-401 LOCKER ROOM 102
SCALE: 1/4" = 1'-0"



9 A-401 LOCKER ROOM 102
SCALE: 1/4" = 1'-0"

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RWE

ENLARGED PLANS
AND INTERIOR
ELEVATIONS

A-401

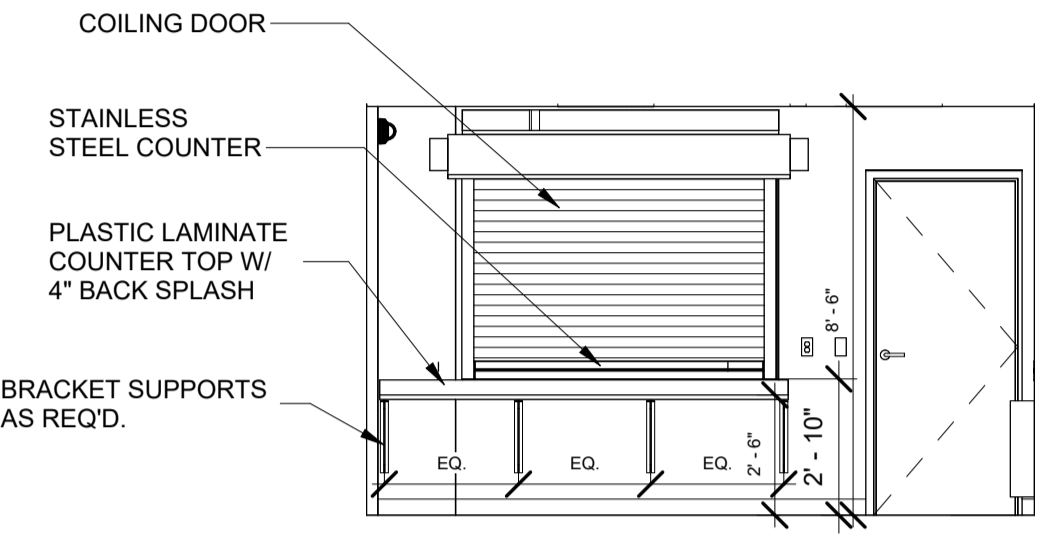
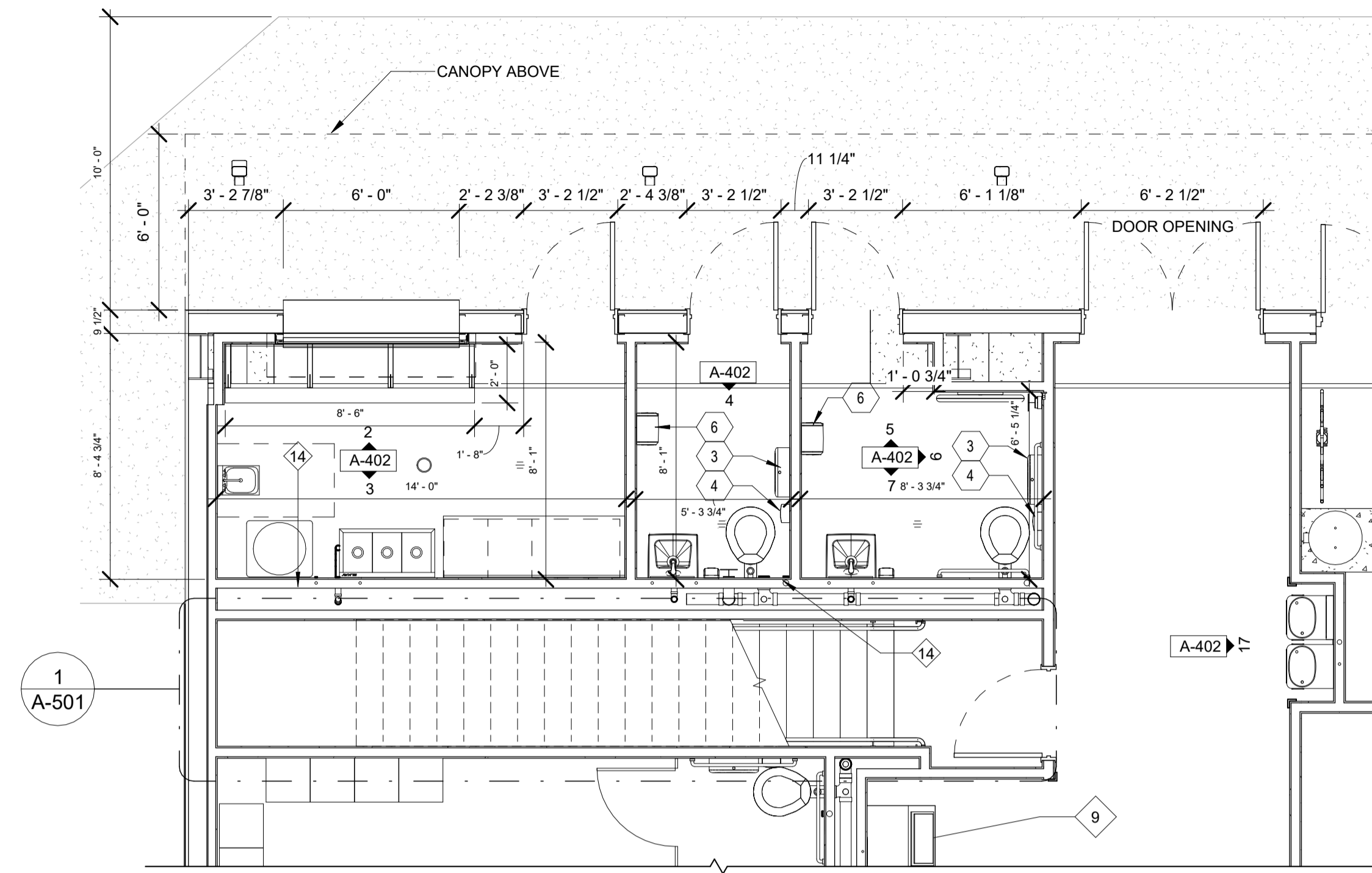
#	MARK	DESCRIPTION	WIDTH	HEIGHT	DEPTH	COMMENTS
1	1	BASE CABINET	3'-0"	2'-8 1/2"	2'-0"	2 DOOR/ ADJUSTABLE SHELF
2	2	BASE CABINET	1'-6"	2'-8 1/2"	2'-0"	1 DOOR/ 1 ADJUSTABLE SHELF
3	3	BASE CABINET	1'-6"	2'-8 1/2"	2'-0"	3 DRAWER

#	MARK	DESCRIPTION	WIDTH	HEIGHT	DEPTH	COMMENTS
1	1	GRAB BAR 36"	3'-0"	3'-0"		INSTALL TO TOP OF GRIPPING SURFACE
2	2	GRAB BAR 42"	3'-0"	3'-0"		INSTALL TO TOP OF GRIPPING SURFACE
3	3	TOILET TISSUE DISPENSER (SURF. MTD.)	1'-4"	1'-4"		INSTALL TO BOTTOM OF UNIT. INSTALL 8" TO CL. FROM LEADING EDGE OF TOILET.
4	4	SANITARY NAPKIN DISPOSAL (SURF. MTD.)	2'-4"	2'-4"		INSTALL TO TOP OF UNIT.
5	5	SOAP DISPENSER (SURF. MTD.)	3'-4"	3'-4"		INSTALL TO BOTTOM OF UNIT, OWNER TO PROVIDE
6	6	TOWEL DISPENSER (SURF. MTD.)	3'-4"	3'-4"		INSTALL TO BOTTOM OF UNIT
7	7	FRAMED MIRROR - 18" x 36"	3'-4"	3'-4"		INSTALL TO BOTTOM OF REFLECTIVE SURF.
8	8	CHANGING STATION	2'-9"	2'-9"		INSTALL TO SURFACE OF BED
9	9	URINAL SCREEN	1'-0"	1'-0"	18" X 48"	WALL-MOUNTED
10	10	TOILET PARTITION				HEADRAIL BRACED

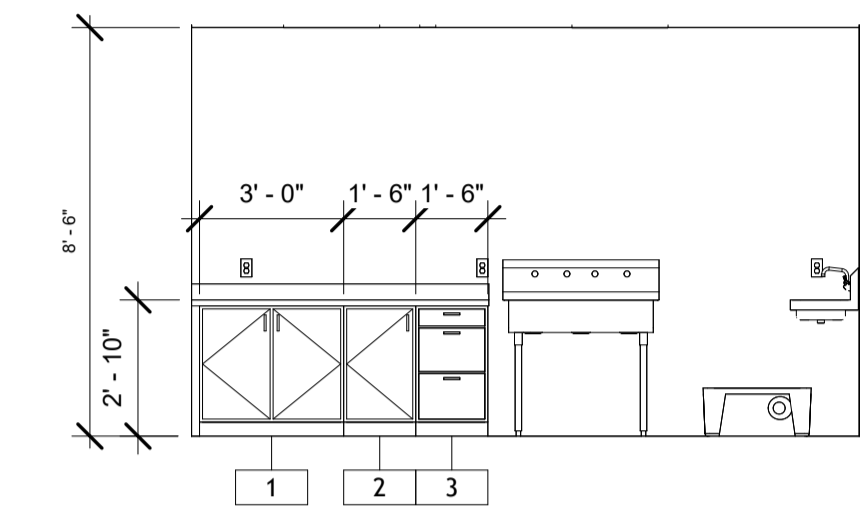
#	MARK	DESCRIPTION	WIDTH	HEIGHT	DEPTH	COMMENTS
1	1	GRAB BAR 36"	3'-0"	3'-0"		INSTALL TO TOP OF GRIPPING SURFACE
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6	6	6'-0" X 4'-0" MARKER BOARD - FOR MORE INFORMATION SEE SPEC. 10 11 00
7	7	SIDEWALK - SEE 6/ A-501, C-SHEETS FOR MORE DETAILS
8	8	STRUCTURAL STOOP - SEE DETAIL 7/S-301, 6/A-501
9	9	ICE MAKER - FOR MORE INFORMATION SEE SPEC. 11 40 00
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11	11	TELEVISION - NOT PART OF CONTRACT, SEE E-SHEETS FOR RELATED WORK.
12	12	NOT USED
13	13	DOWNSPOUT W/SPLASH BLOCK - FOR MORE INFORMATION SEE SPEC. #03 48 16
14	14	PROVIDE SERVICE ACCESS PANEL FOR WATER HAMMER ARRESTORS. GC TO COORDINATE FINAL LOCATION WITH PLUMBING CONTRACTOR

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9	9	URINAL SCREEN	1'-0"	1'-0"	18" X 48"	WALL-MOUNTED
10	10	TOILET PARTITION				HEADRAIL BRACED

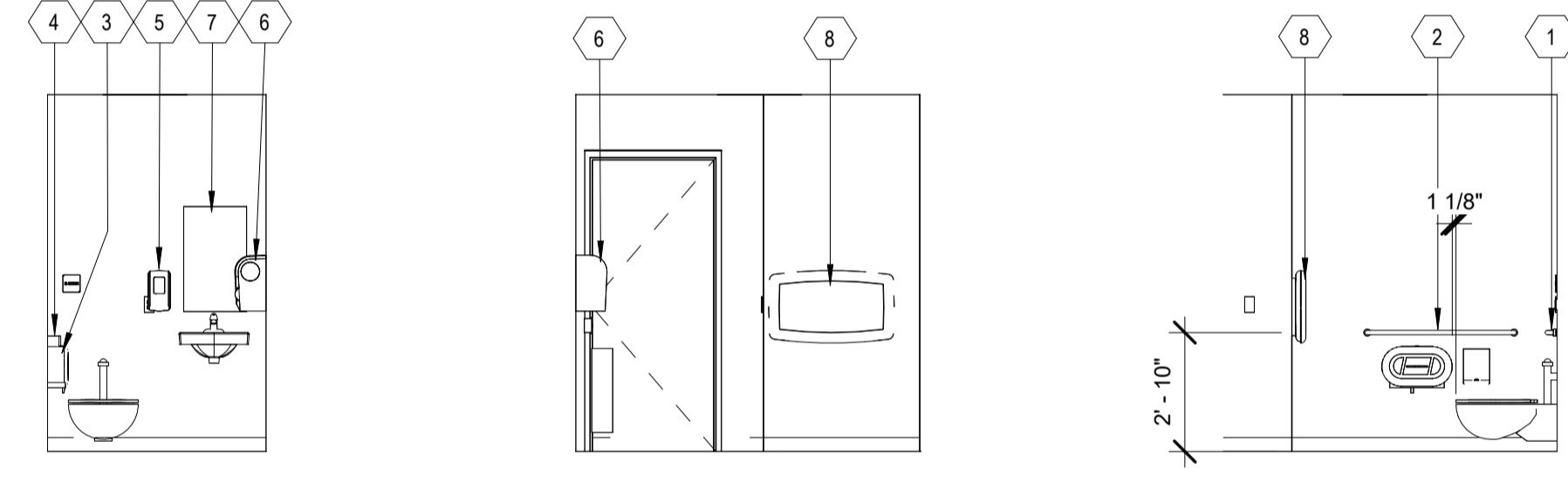


2 CONCESSION
 A-402 SCALE: 1/4" = 1'-0"



3 CONCESSION
 A-402 SCALE: 1/4" = 1'-0"

1 CONCESSION - WC
 A-402 SCALE: 1/4" = 1'-0"



4 WC 106
 A-402 SCALE: 1/4" = 1'-0"

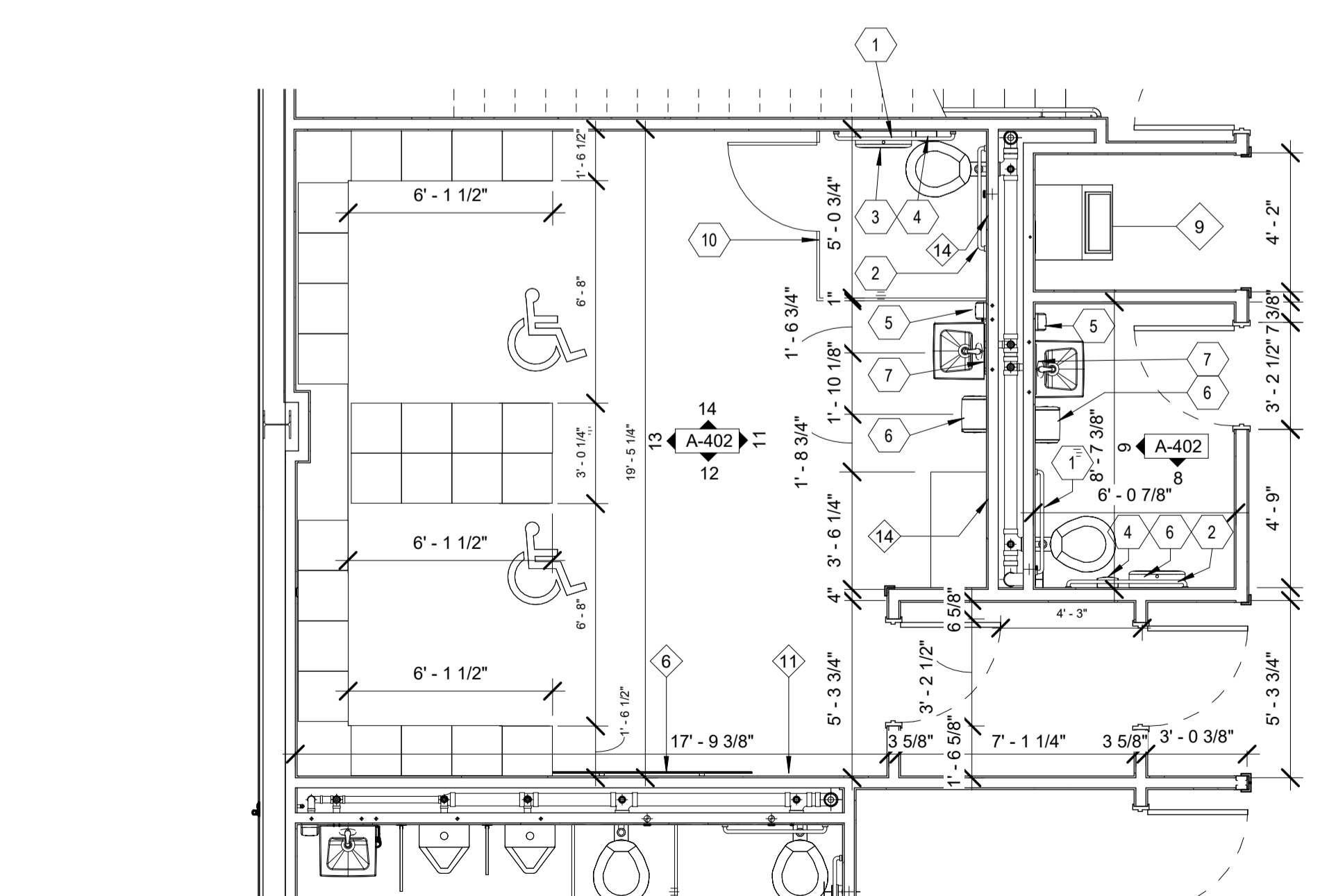
5 WC 107
 A-402 SCALE: 1/4" = 1'-0"

6 WC 107
 A-402 SCALE: 1/4" = 1'-0"

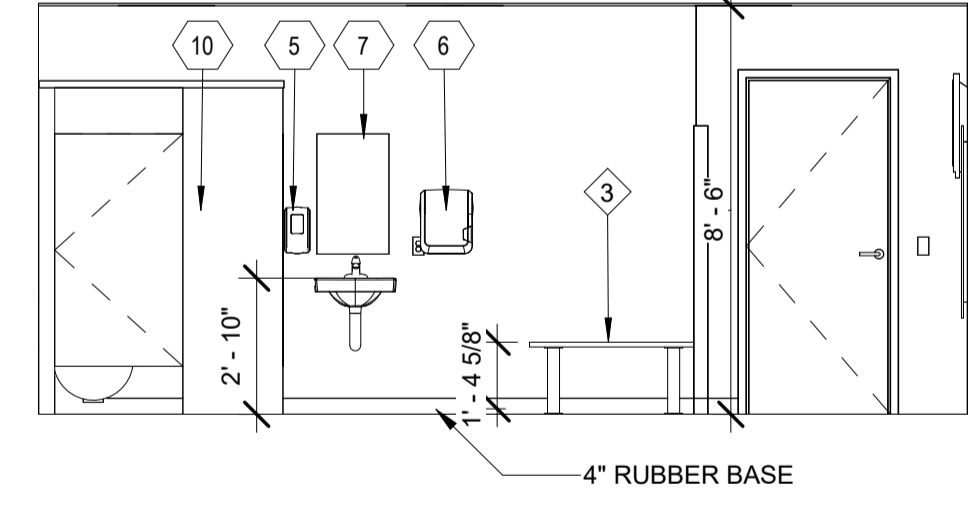
7 WC 107
 A-402 SCALE: 1/4" = 1'-0"

8 WC 110
 A-402 SCALE: 1/4" = 1'-0"

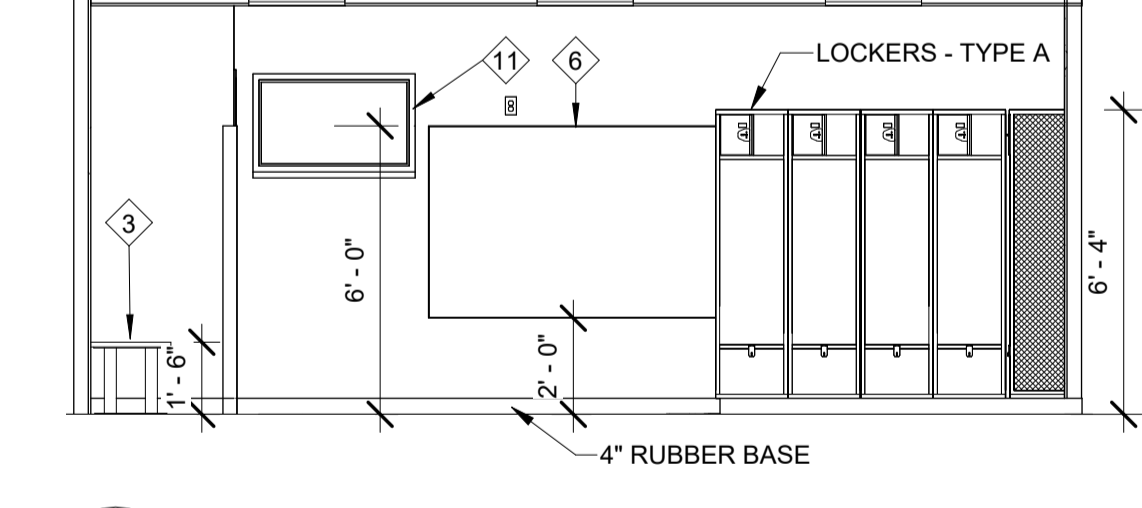
9 WC 110
 A-402 SCALE: 1/4" = 1'-0"



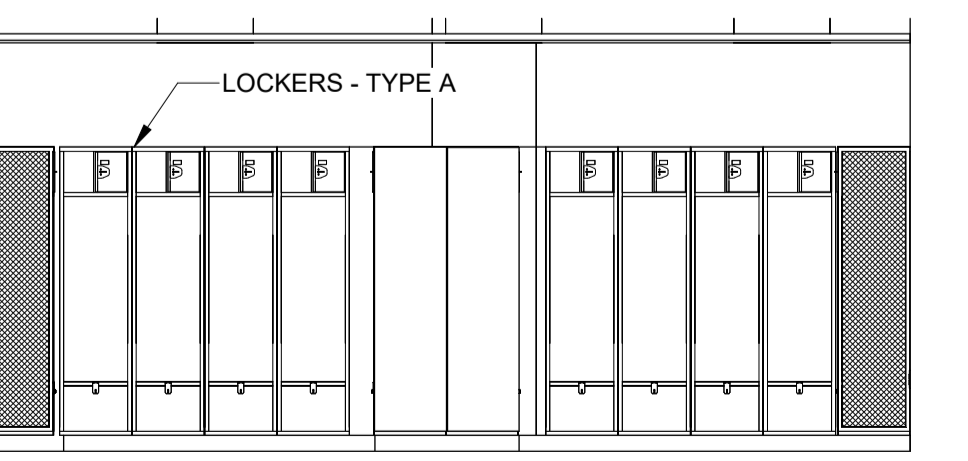
10 LOCKER ROOM 104
 A-402 SCALE: 1/4" = 1'-0"



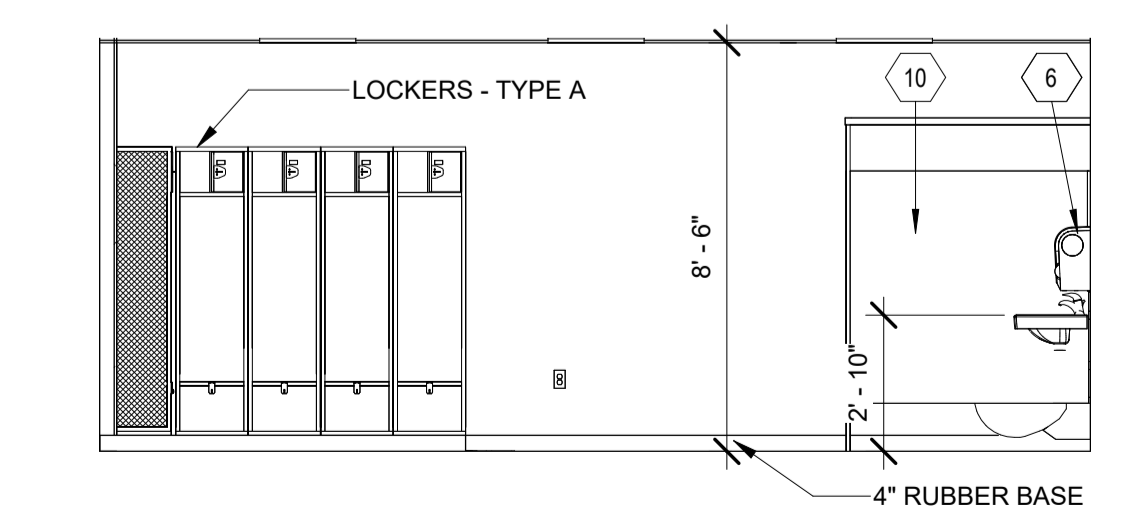
11 LOCKER ROOM 104
 A-402 SCALE: 1/4" = 1'-0"



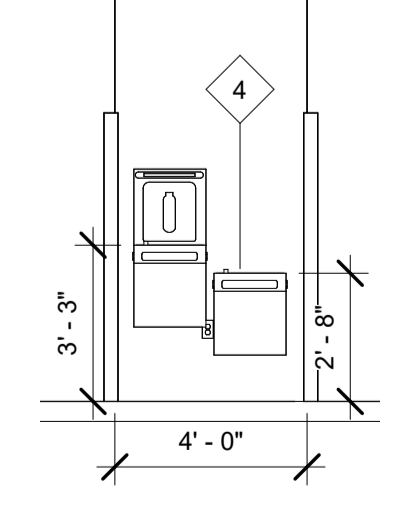
12 LOCKER ROOM 104
 A-402 SCALE: 1/4" = 1'-0"



13 LOCKER ROOM 104
 A-402 SCALE: 1/4" = 1'-0"



14 LOCKER ROOM 104
 A-402 SCALE: 1/4" = 1'-0"

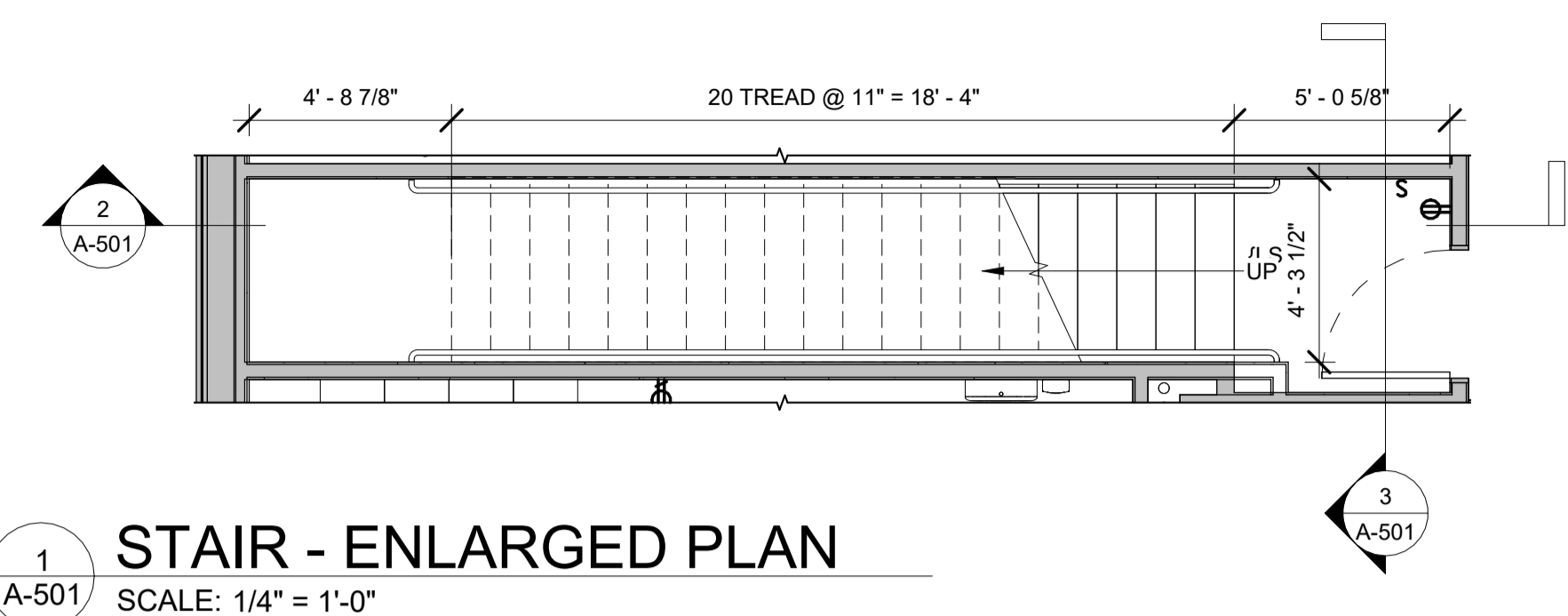


17 WATER FOUNTAIN
 A-402

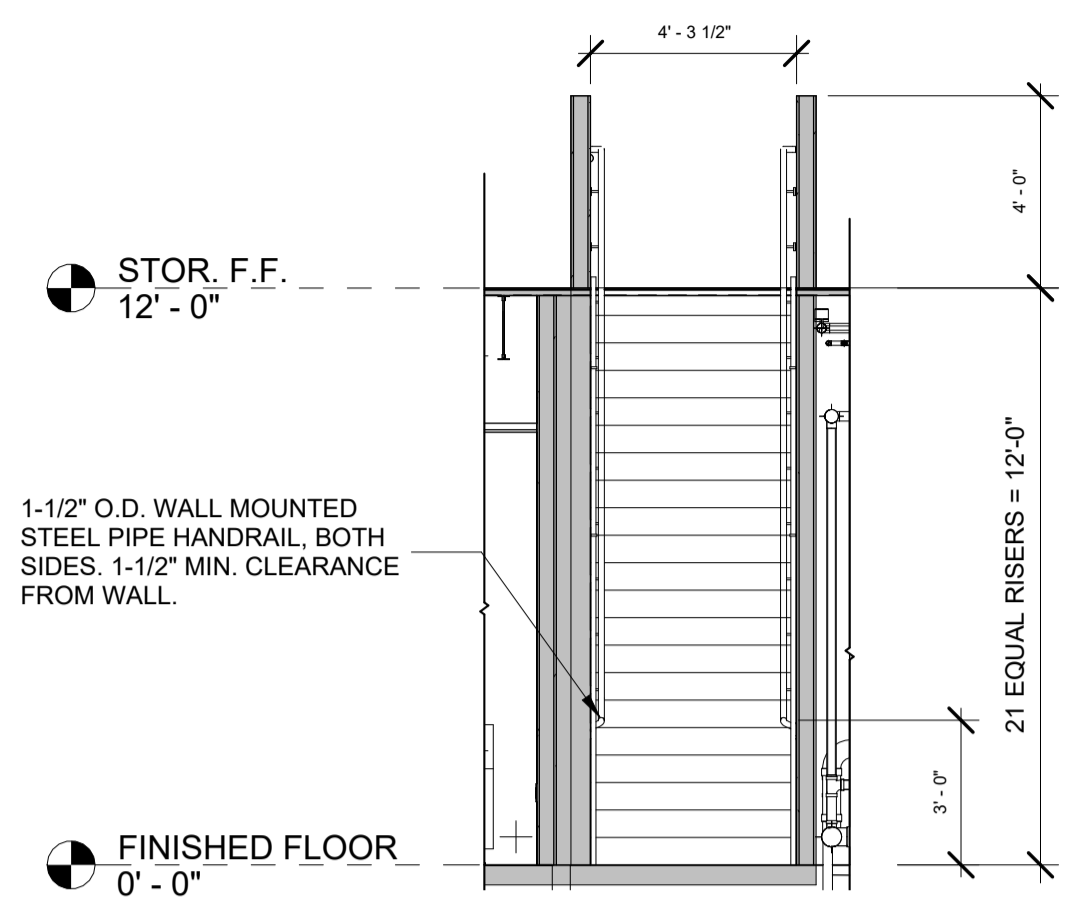
MARK	DATE	DESCRIPTION

DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RWE

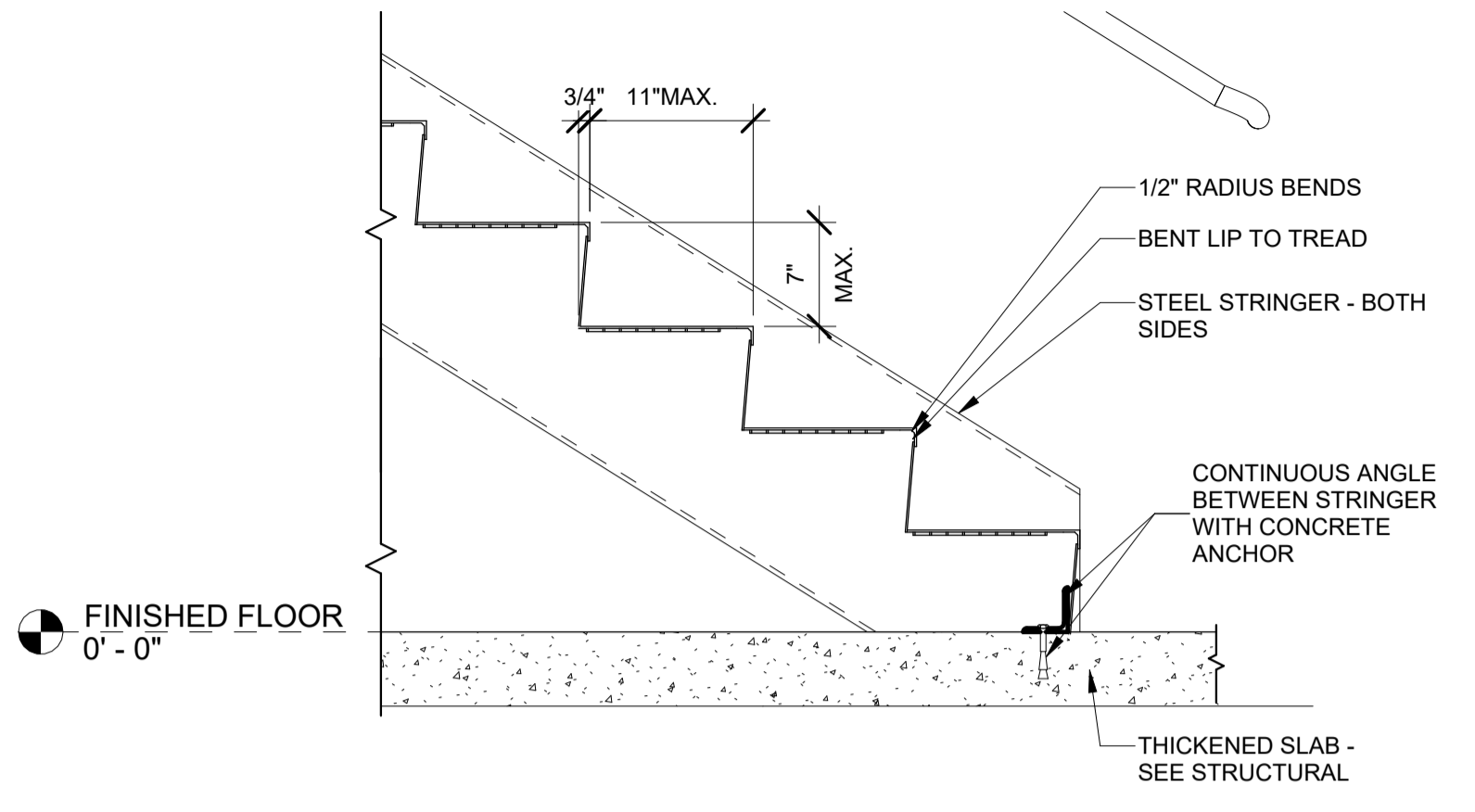
STAIR PLAN AND
DETAILS, SIDEWALK
PLAN



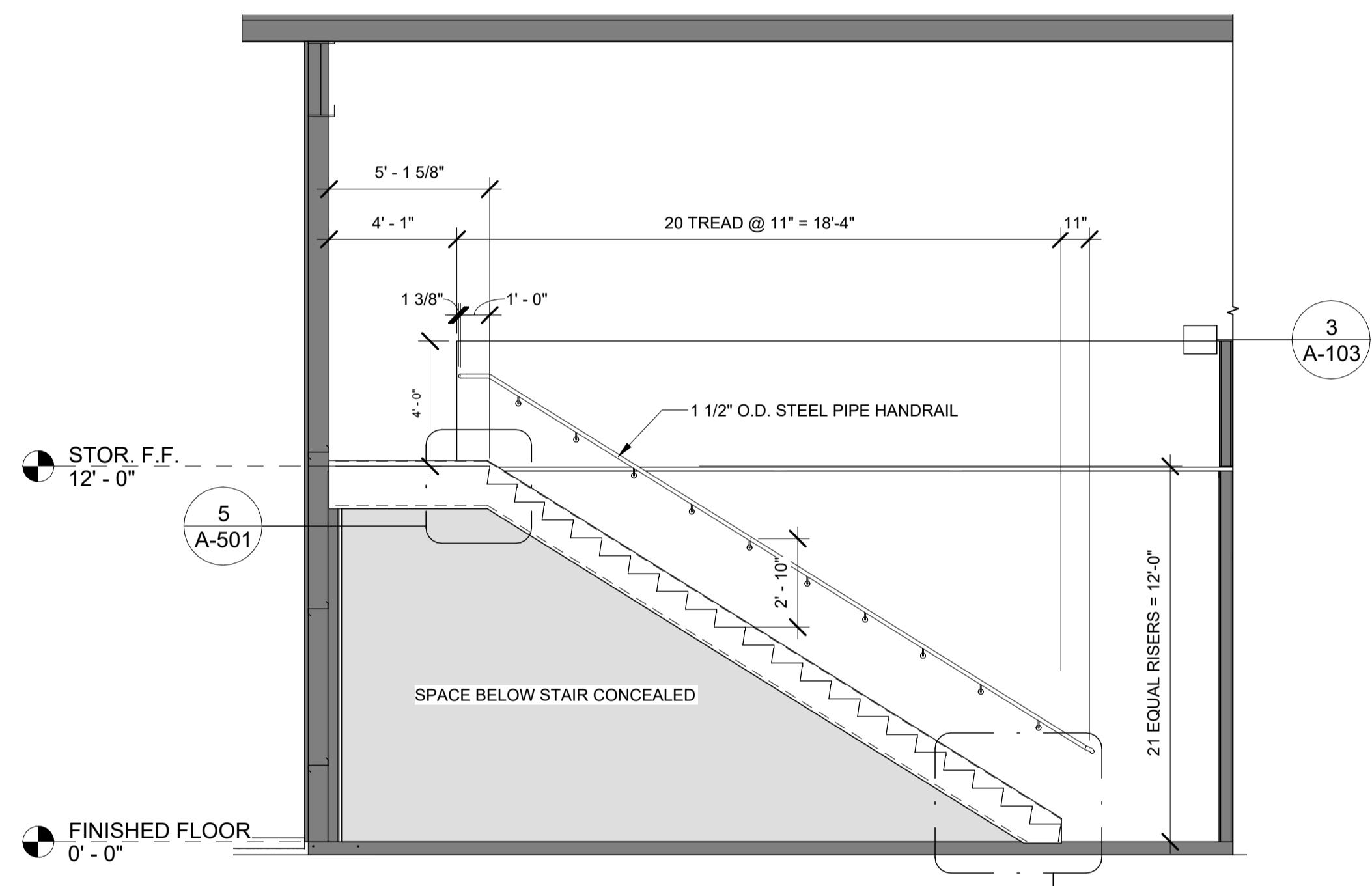
1 STAIR - ENLARGED PLAN
SCALE: 1/4" = 1'-0"



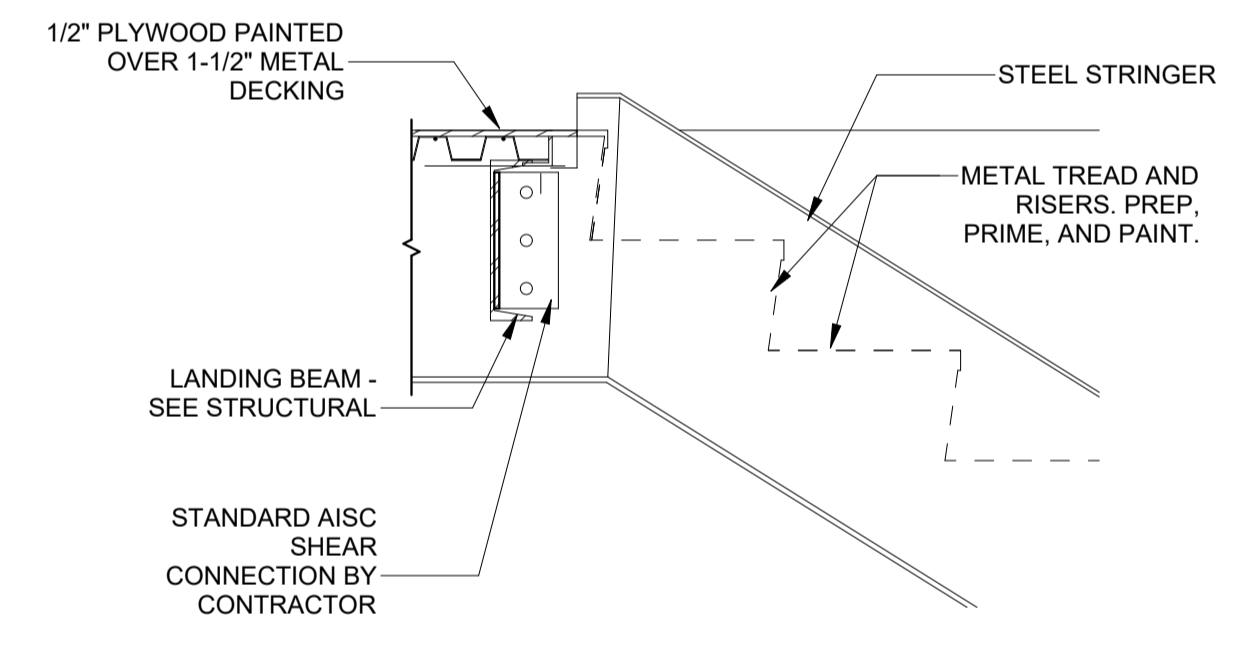
3 STAIR ELEVATION
SCALE: 1/4" = 1'-0"



4 STAIR DETAIL AT FLOOR
SCALE: 1" = 1'-0"

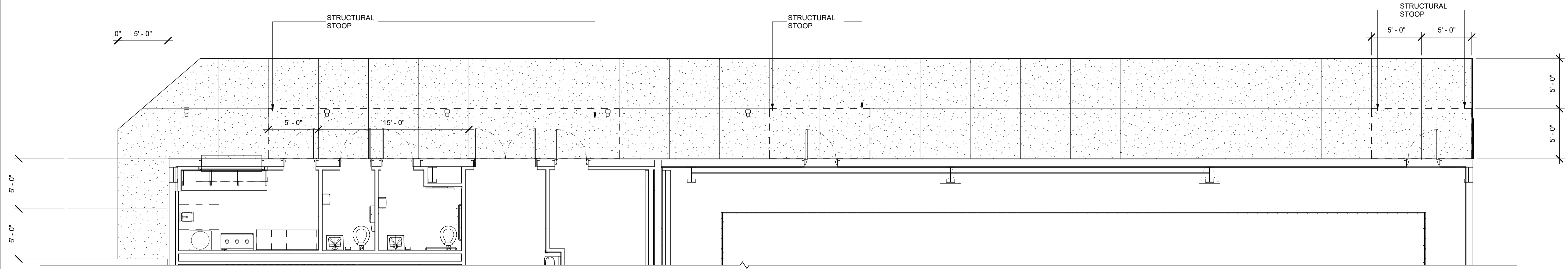


2 STAIR SECTION
SCALE: 1/4" = 1'-0"

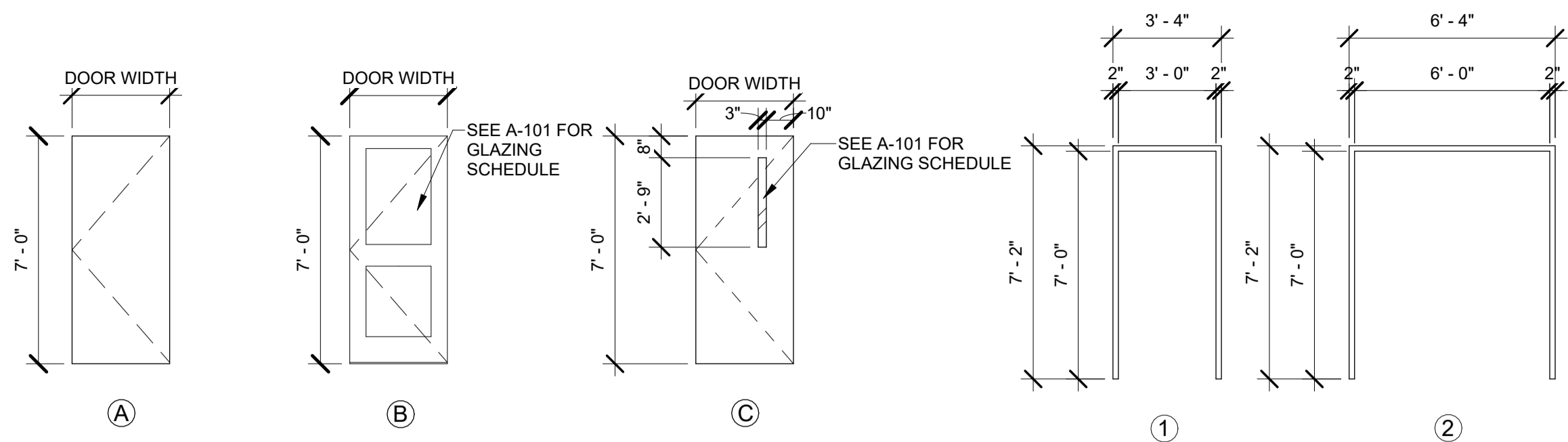


5 STAIR DETAIL AT LANDING
SCALE: 1" = 1'-0"

SIDEWALK GENERAL NOTES	
1.	CONTRACTOR TO INSTALL CONTROL JOINT AT A MAXIMUM SPACING OF 5 FEET FOR CONCRETE SIDEWALK.
2.	EXPANSION JOINTS SHALL BE PLACED AT THE RADIUS POINTS AND AT A MAXIMUM SPACING OF 20 FEET FOR CONCRETE SIDEWALK.
3.	CONTROL JOINTS SHALL BE LOCATED TO MAKE A SQUARE PATTERN AND IN NO INSTANCE CAN ONE SIDE BE GREATER THAN 1.5 TIMES THE OTHER SIDE.
4.	THE FINAL POSITION OF ALL REINFORCEMENT SHALL BE PERPENDICULAR TO THE PLANE OF THE JOINT AND PARALLEL TO THE SURFACE OF THE SIDEWALK AND PARALLEL TO EACH OTHER.
5.	ALL SIDEWALKS TO BE SEPARATED FROM BUILDING BY 1/2" PREFORMED JOINT FILLER.
6.	STRUCTURAL STOOPS AT DOORS ARE TO ALIGN WITH SIDEWALK CONTROL JOINTS.
7.	SEE 7/S-301 FOR TYPICAL THRESHOLD WITH STOOP DETAIL.
8.	SEE C-SHEETS FOR ADDITIONAL INFORMATION.

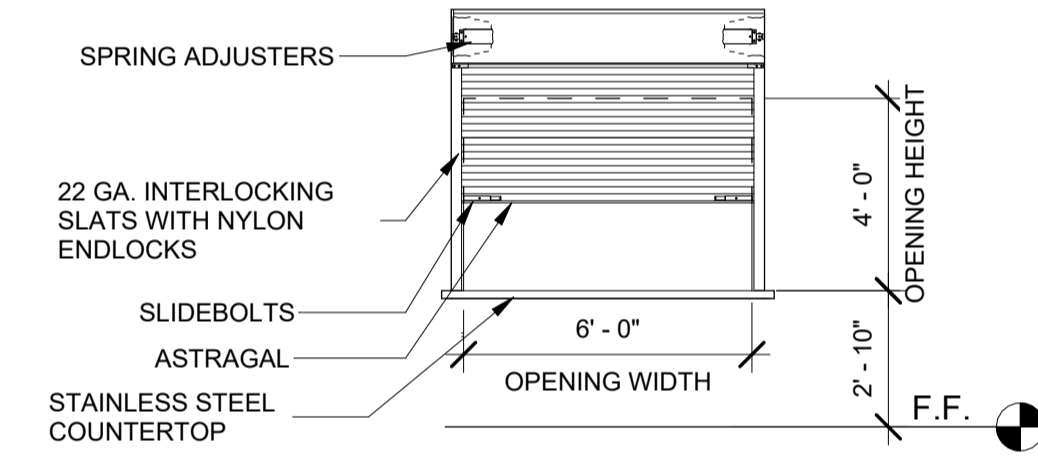
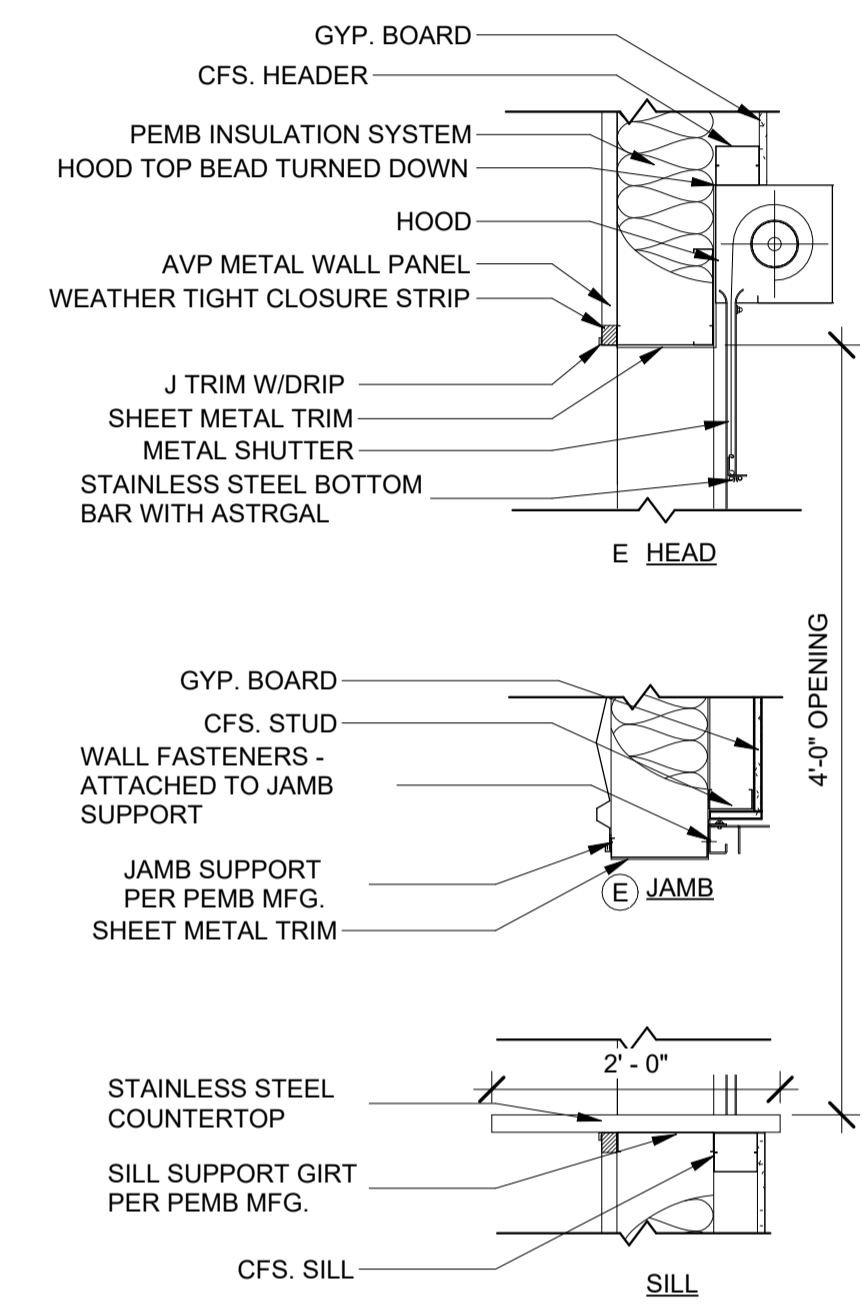


6 SIDEWALK CONTROL JOINT PLAN
SCALE 3/16" = 1'-0"



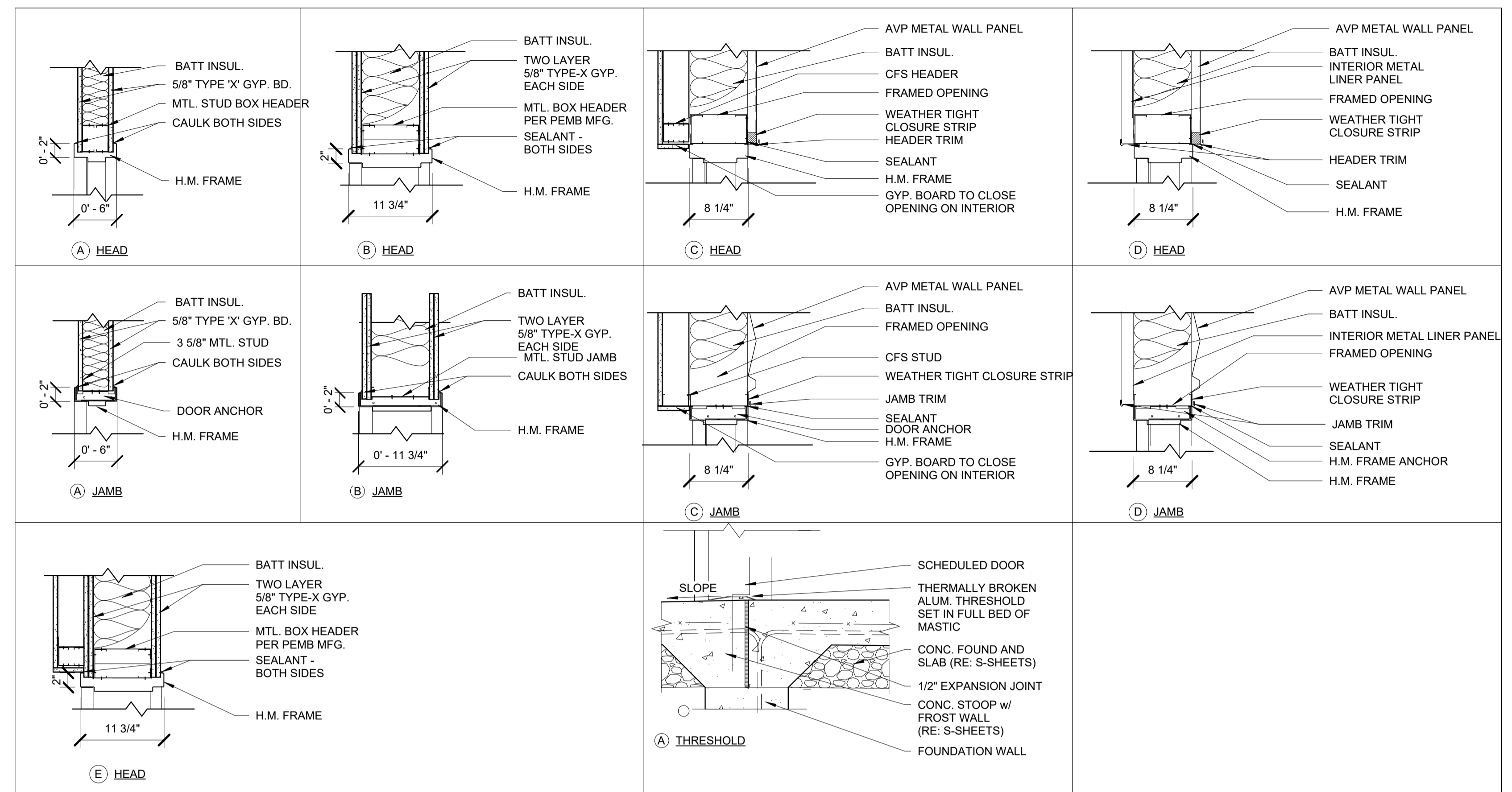
1 DOOR ELEVATIONS
A-502 SCALE: 1/4" = 1'-0"

2 FRAME ELEVATIONS
A-502 SCALE: 1/4" = 1'-0"



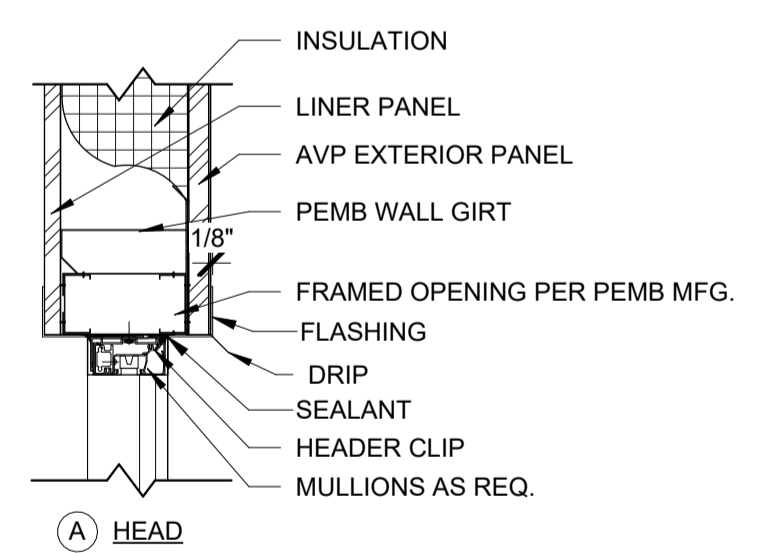
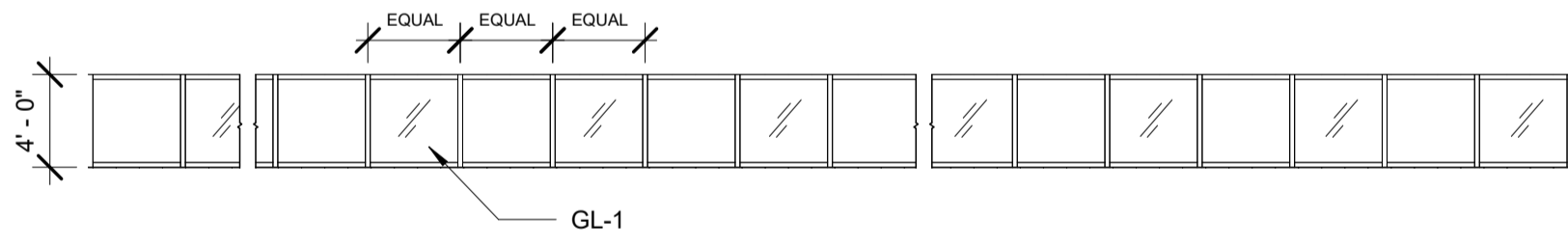
4 COILING DOOR
A-502 SCALE: 1/4" = 1'-0"

3 COILING DOOR DETAILS
A-502 SCALE: 3/4" = 1'-0"

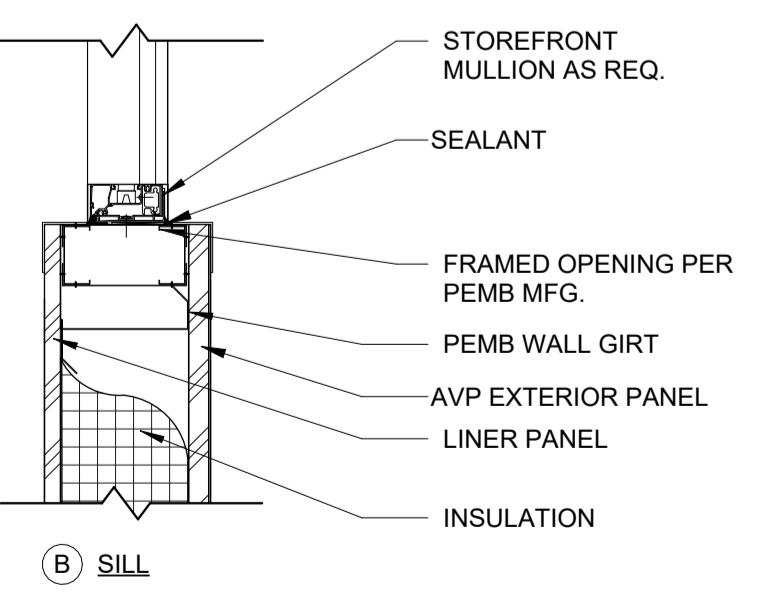


5 DOOR DETAILS
A-502 * SEE SHEET A-101 FOR DOOR SCHEDULE

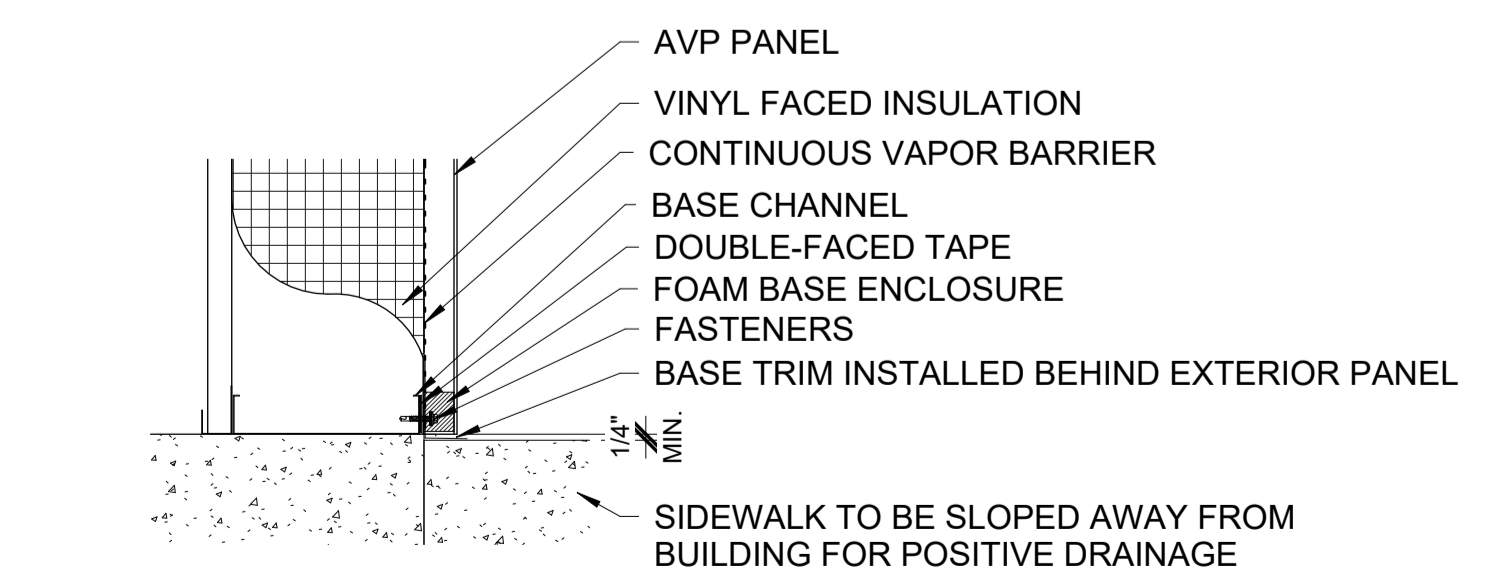
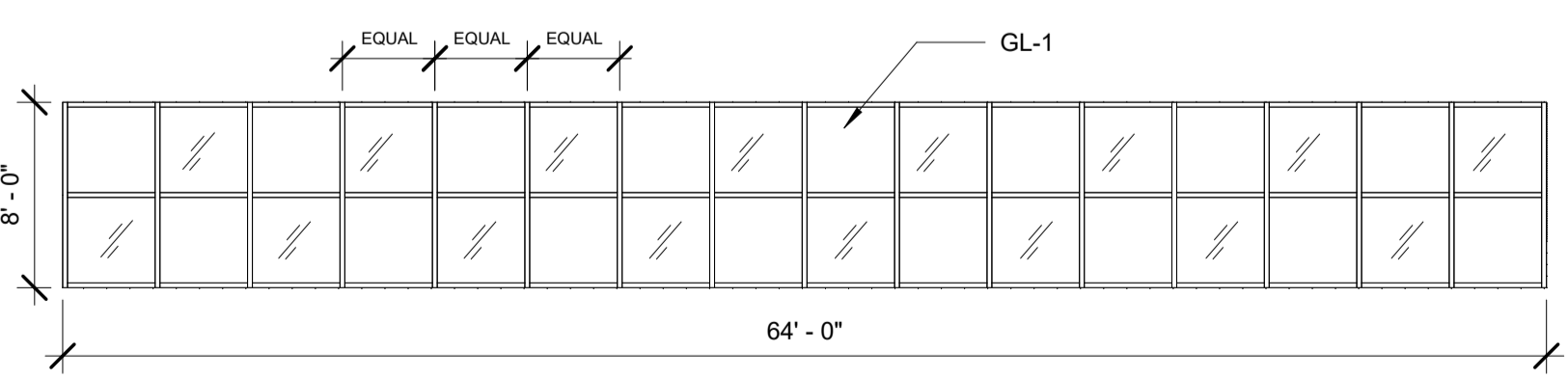
6 STOREFRONT ELEVATION - WEST
A-502 SCALE: 1/8" = 1'-0"



8 STOREFRONT DETAILS
A-502 SCALE: 1" = 1'-0"



7 STOREFRONT ELEVATION - EAST
A-502 SCALE: 1/8" = 1'-0"

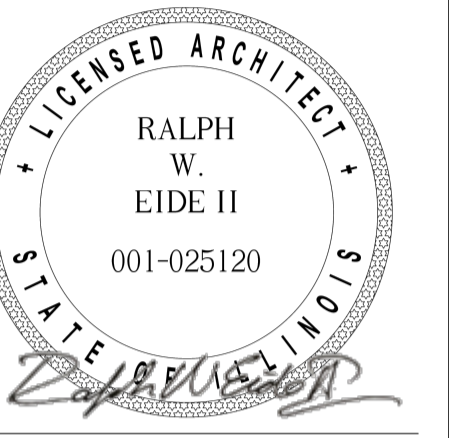


10 TYP. EXTERIOR WALL BASE DETAIL
A-502 SCALE 1 1/2" = 1'-0"



HURST-ROSCHÉ, Inc.
PROFESSIONAL DESIGN NUMBER: 154-000298

**200 N. MARKET STREET
MARION, IL
PH: 618.998.0075**



SIGNATURE: *Ralph W. Eide II*
DATE: 04/23/2024
DATE: 11-30-2024
LICENSE EXPIRES:

**ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
ILLINOIS EASTERN COMMUNITY COLLEGES**

MARK	DATE	DESCRIPTION

DATE: 04/23/2024
PROJECT NO: 395-3272
DESIGN: H.R.I. DRAWN: H.R.I. CHECK: RWE

**DOOR AND WINDOW
ELEVATIONS AND
DETAILS**

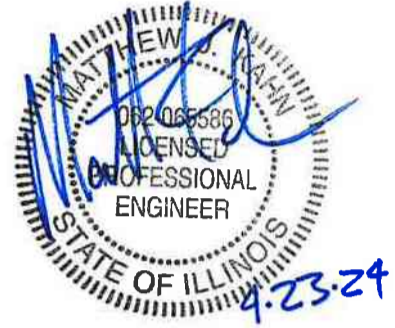
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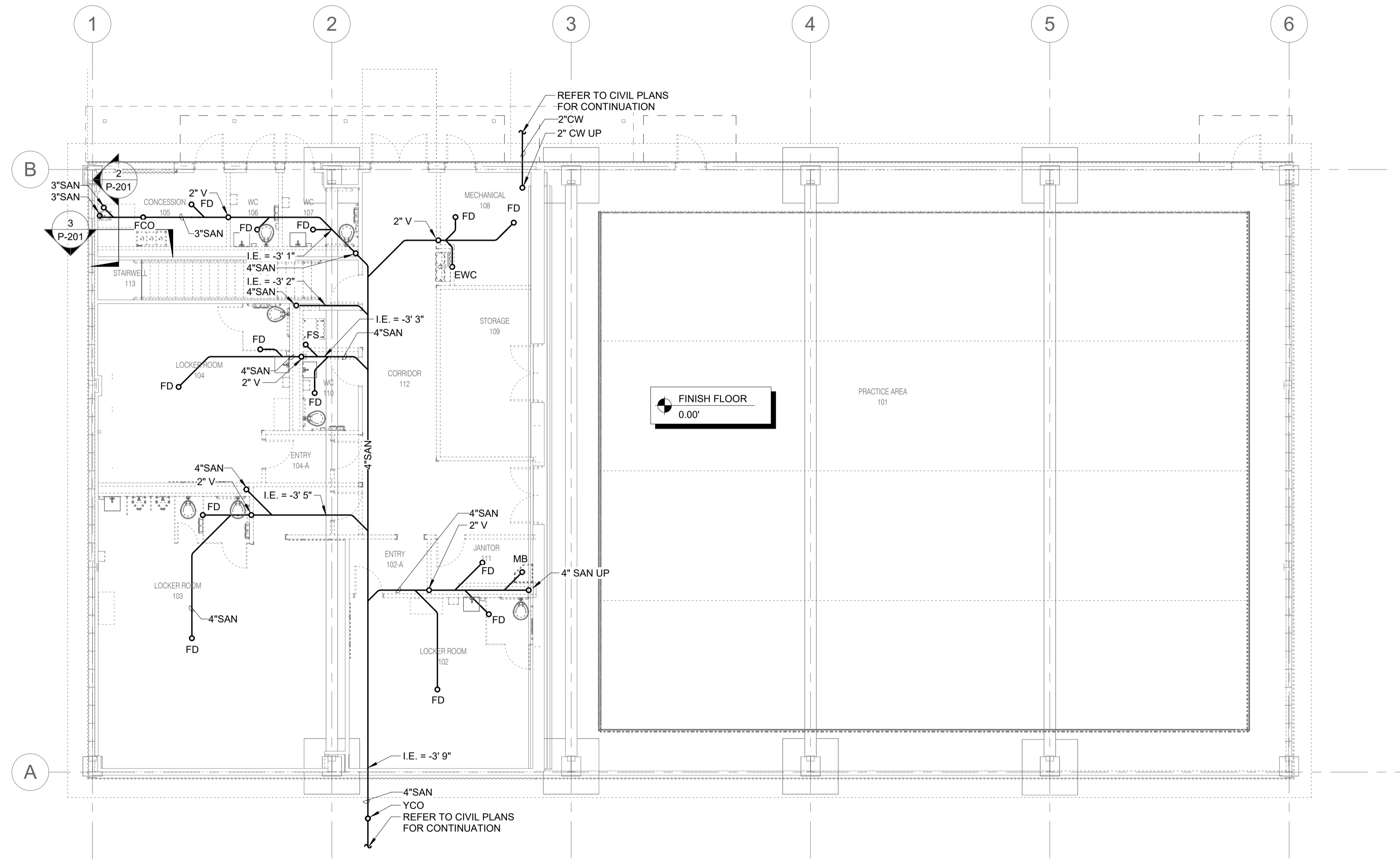
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PROFESSIONAL DESIGN NUMBER: 154-00298

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SIGNATURE
DATE 04-23-2024
DATE 11-30-2025
LICENSE EXPIRES



1 UNDERFLOOR PLAN - PLUMBING

1/8" = 1'-0"

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: KAIAASH DRAWN: IMEG CHECK: MATKAH

PLUMBING
UNDERFLOOR PLAN

IMEG
15 SUNNEN DRIVE
SUITE 104
ST. LOUIS, MO 63143
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REF. SCALE IN INCHES PROJECT #23001165.00

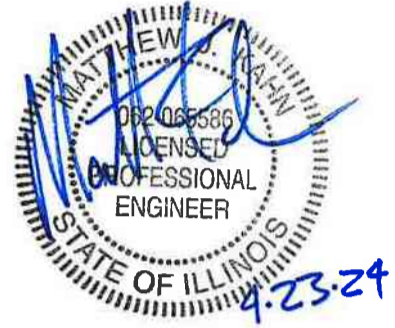
P-100



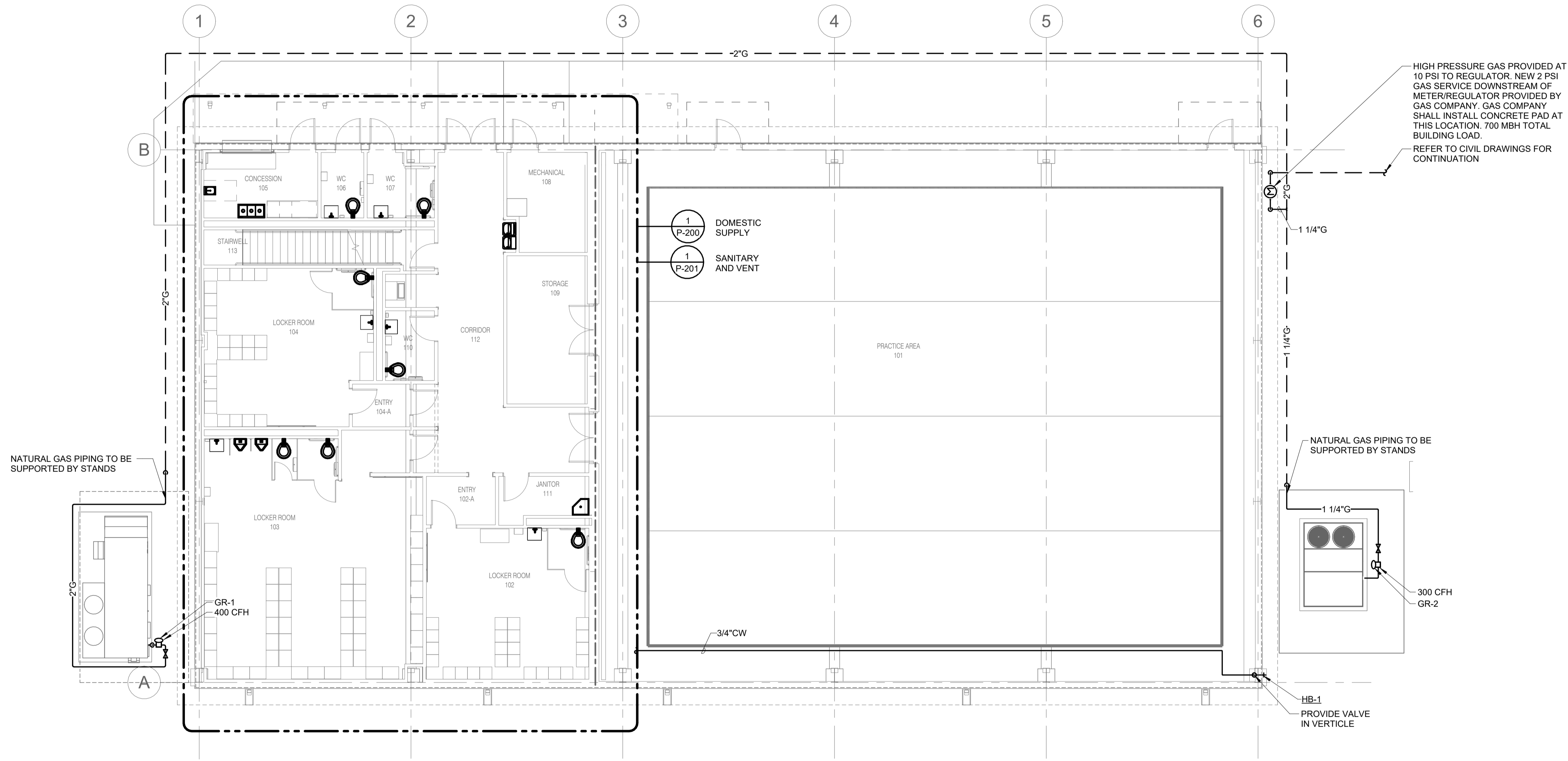
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DATE 04-23-2024
DATE 11-30-2025
LICENSE EXPIRES



1 FLOOR PLAN - PLUMBING
1/8" = 1'-0"
NORTH

ATHLETIC TRAINING FACILITY
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MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: KAIAH DRAWN: IMEG CHECK: MATKAH

PLUMBING FLOOR PLAN

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P-101



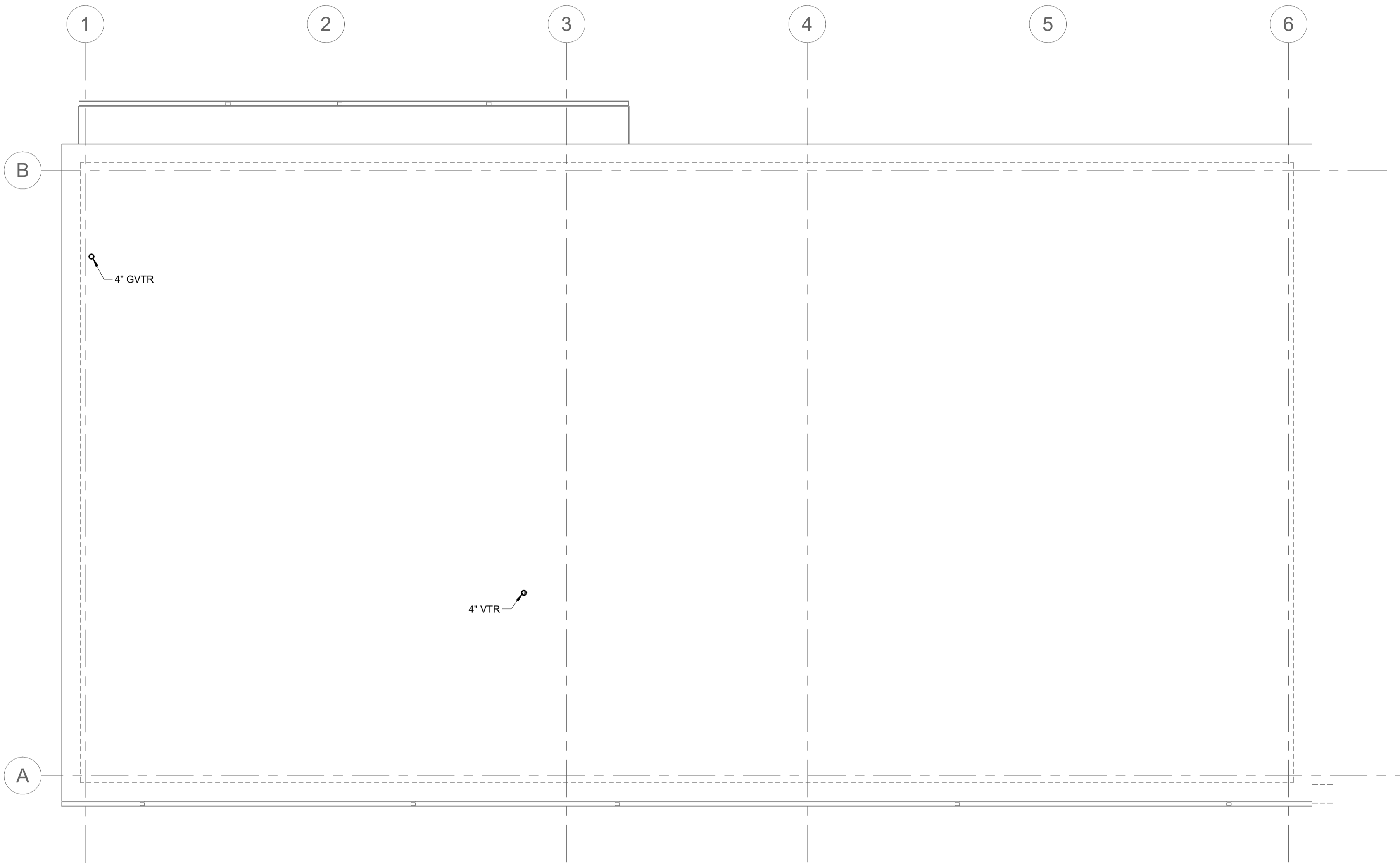
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1 ROOF PLAN - PLUMBING
1/8" = 1'-0"

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MARK	DATE	DESCRIPTION

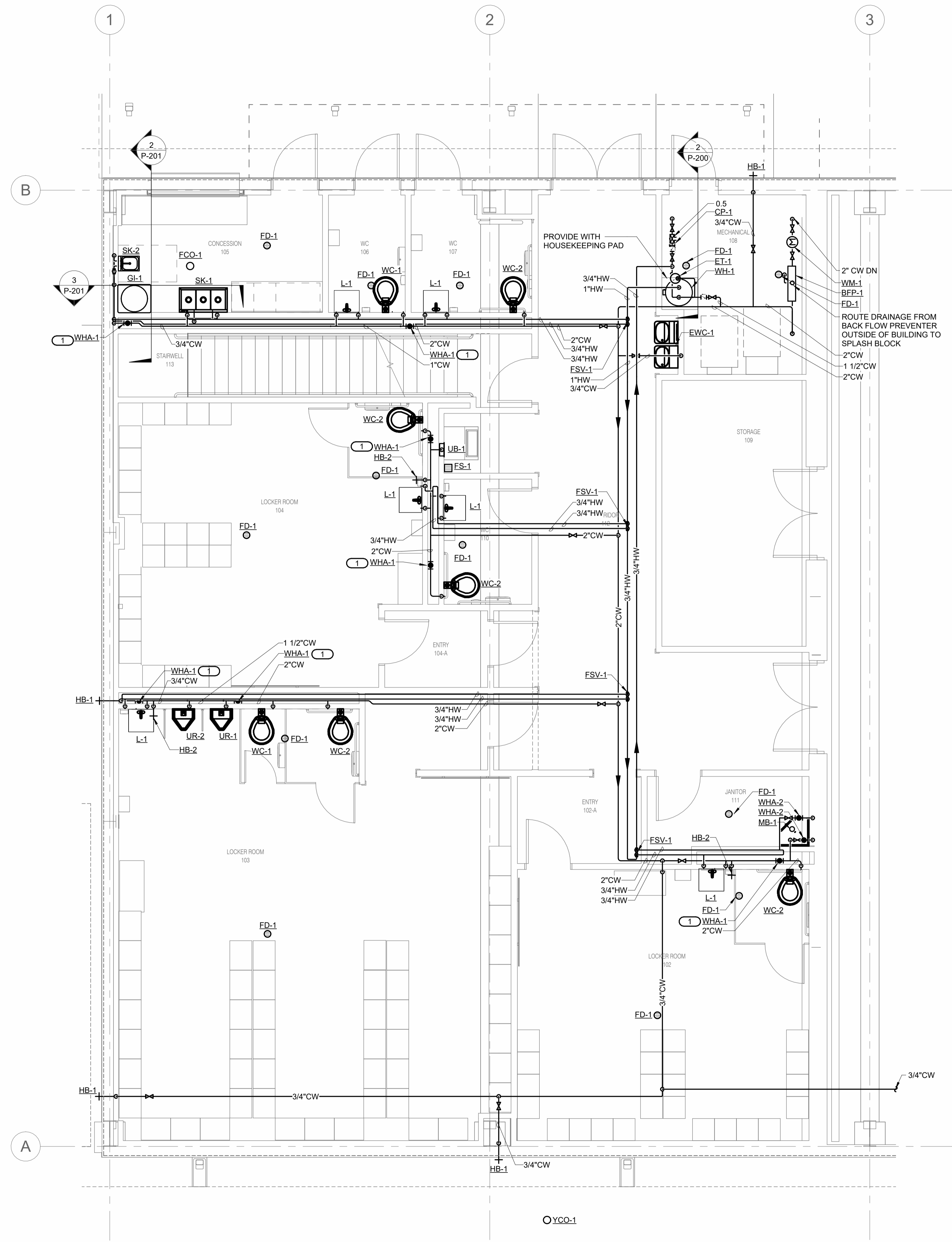
DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: KAIAH DRAWN: IMEG CHECK: MATKAH

PLUMBING ROOF PLAN

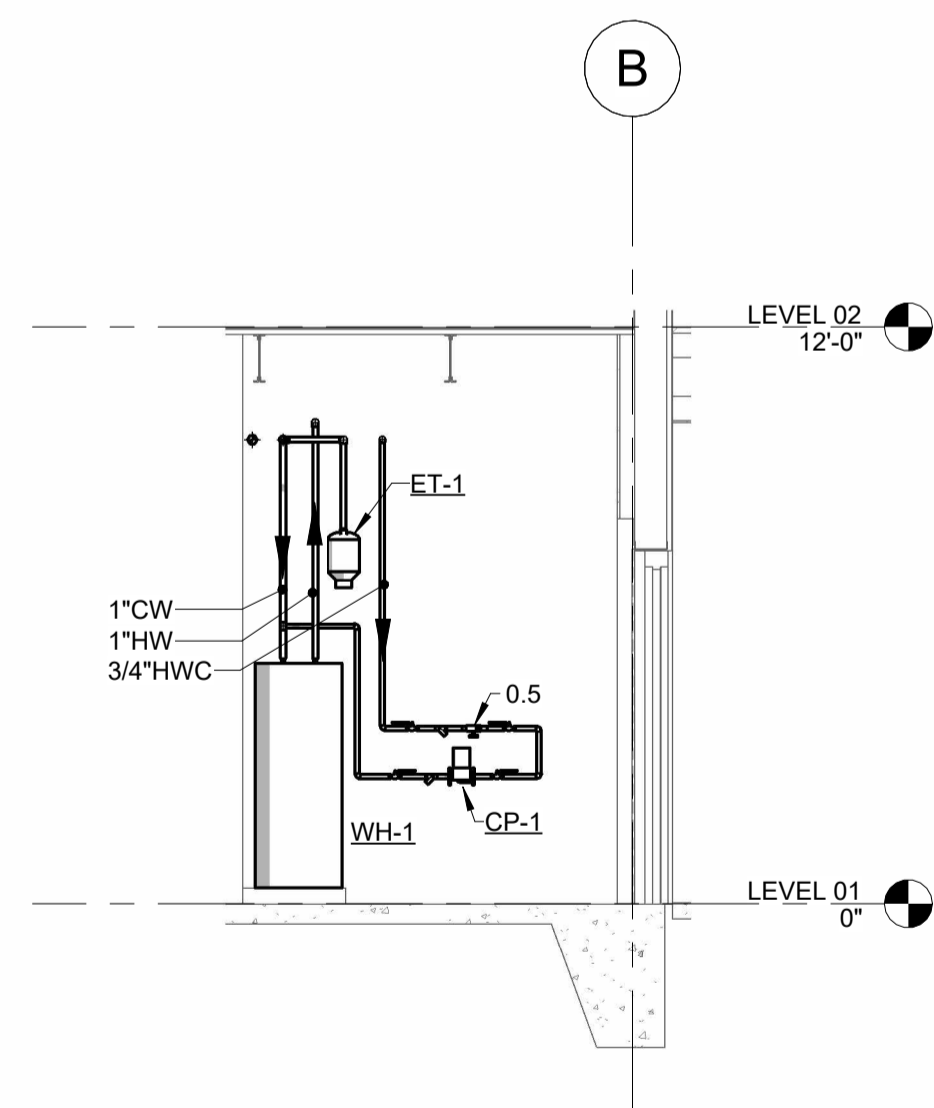
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P-102



2 MECHANICAL 108 - WATER HEATER CONNECTION
1/4" = 1'-0"



GENERAL NOTES:
1. REFER TO SHEET P000 FOR PLUMBING SYMBOLS, ABBREVIATIONS, AND INSTALLATION NOTES.

KEYNOTES: (#)
1. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT



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DATE: 04-23-2024
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WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
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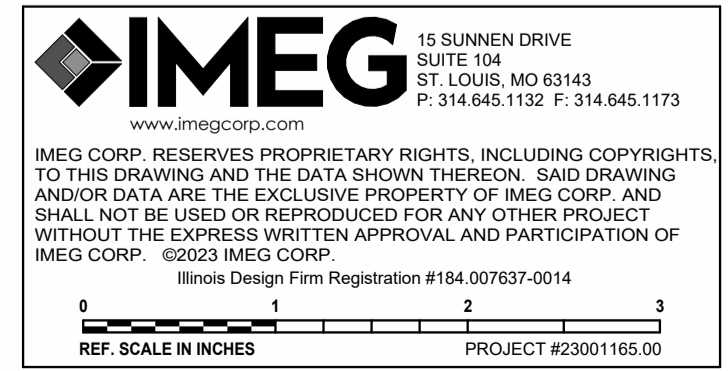
MARK	DATE	DESCRIPTION

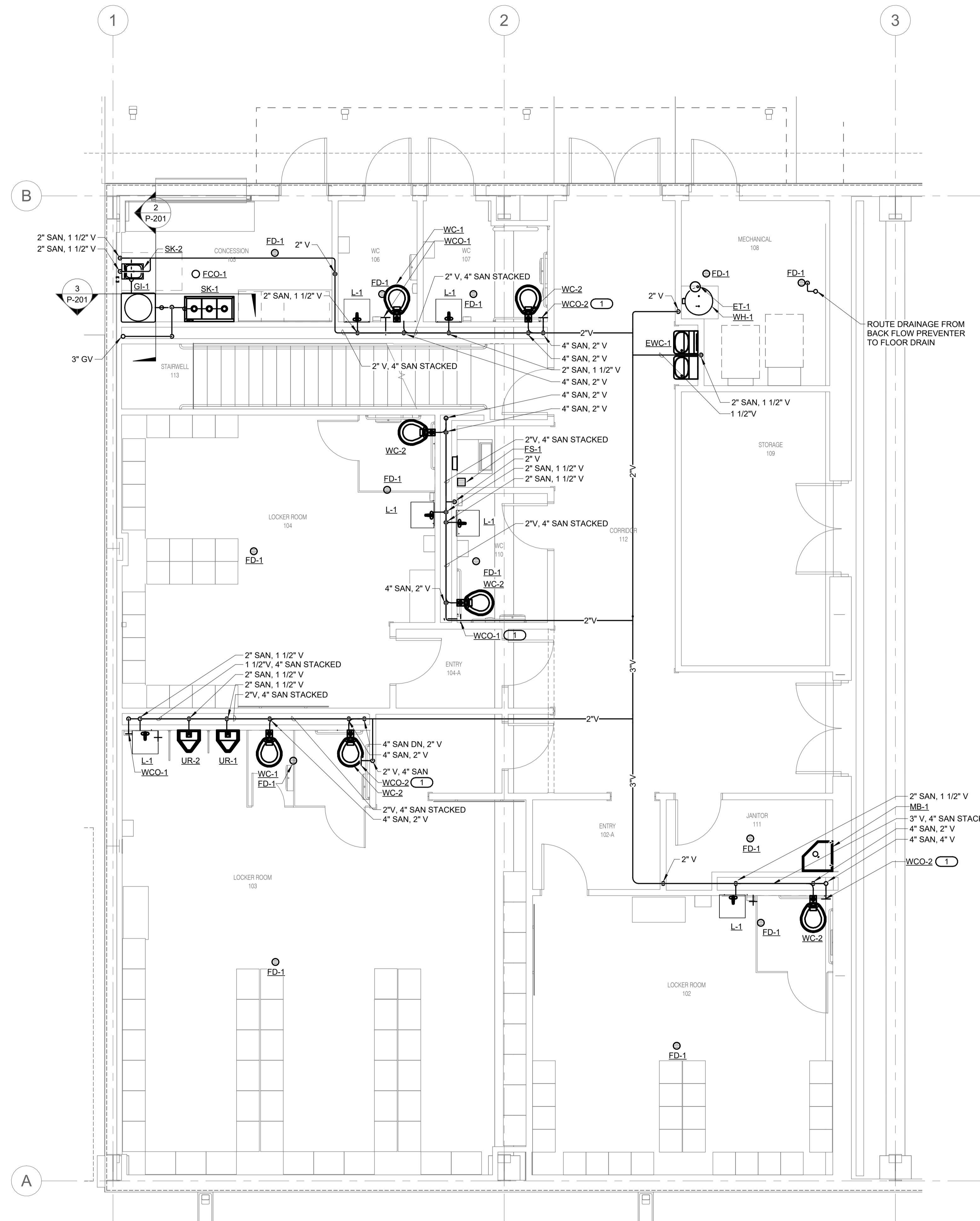
DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: KAIASH DRAWN: IMEG CHECK: MATKAH

PLUMBING
ENLARGED PLAN

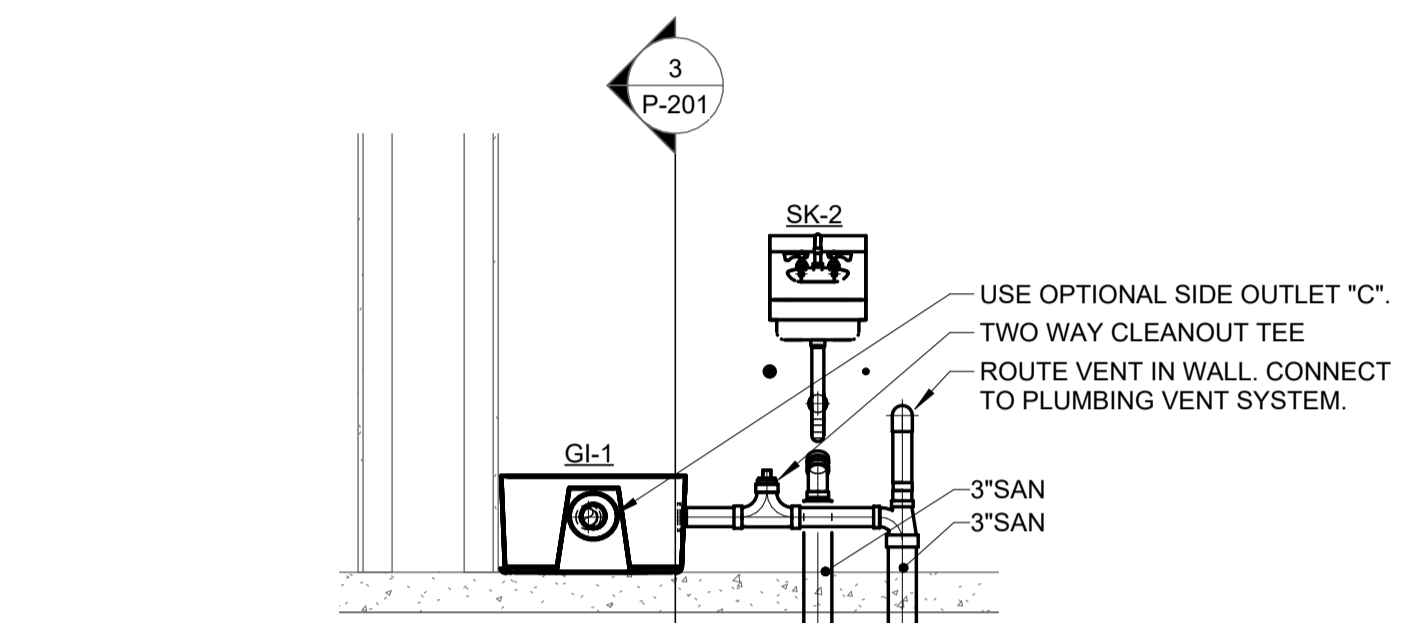
P-200

1 ENLARGED PLAN OF FIRST FLOOR PLAN - DOMESTIC PLUMBING
1/4" = 1'-0"

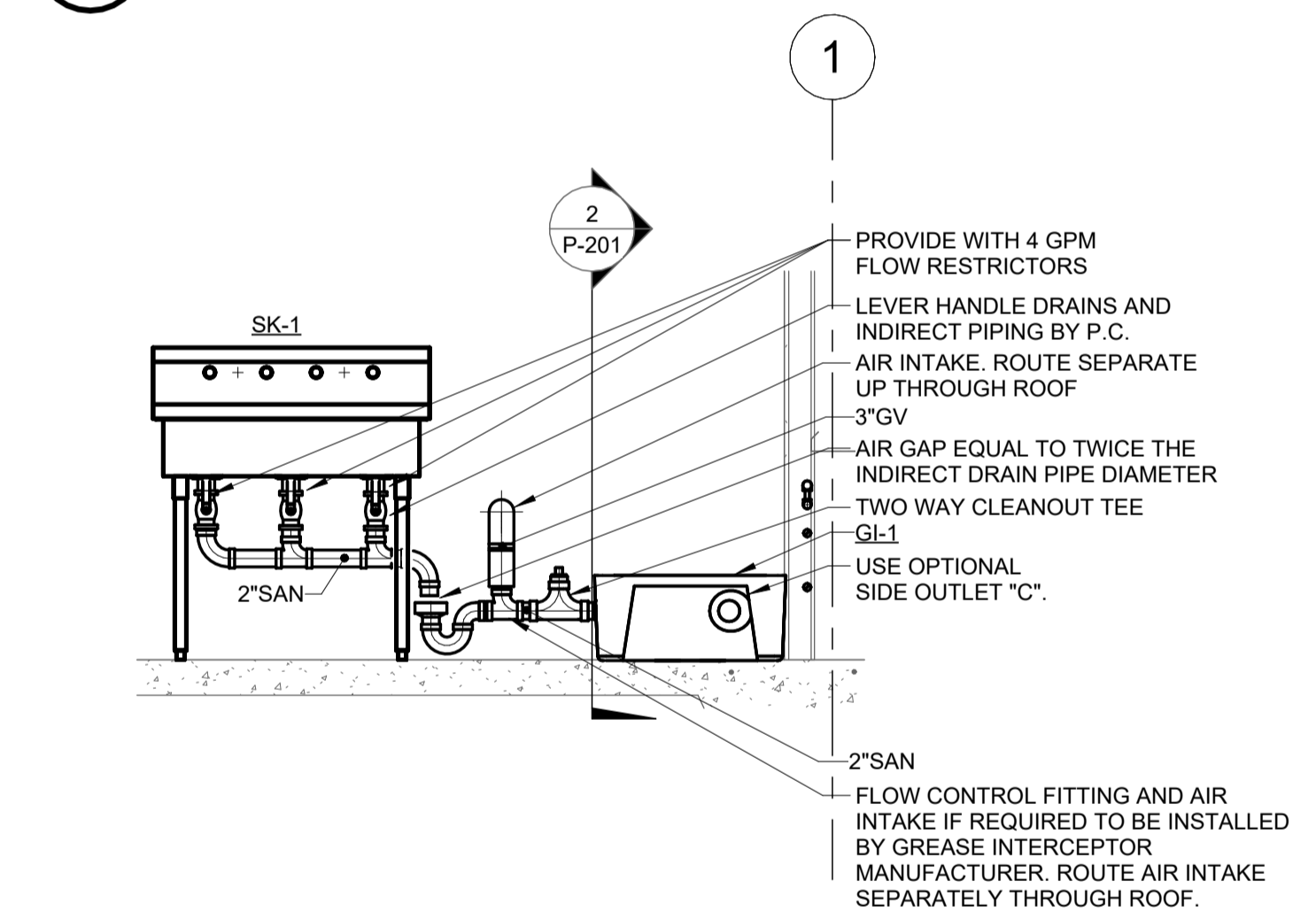




- GENERAL NOTES:**
- REFER TO SHEET P000 FOR PLUMBING SYMBOLS, ABBREVIATIONS, AND INSTALLATION NOTES.
- KEYNOTES: (#)**
- COORDINATE WALL CLEAN OUT WITH GRAB BAR LOCATION. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION



CONCESSION 105 - HAND WASH SINK SECTION VIEW
1/2" = 1'-0"



CONCESSION 105 - TRIPLE BOWL SINK SECTION VIEW
1/2" = 1'-0"

1 ENLARGED PLAN OF FIRST FLOOR PLAN -SAN/V PLUMBING
1/4" = 1'-0"

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MARK	DATE	DESCRIPTION

DATE: 04-23-2024
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PLUMBING
ENLARGED PLAN

P-201



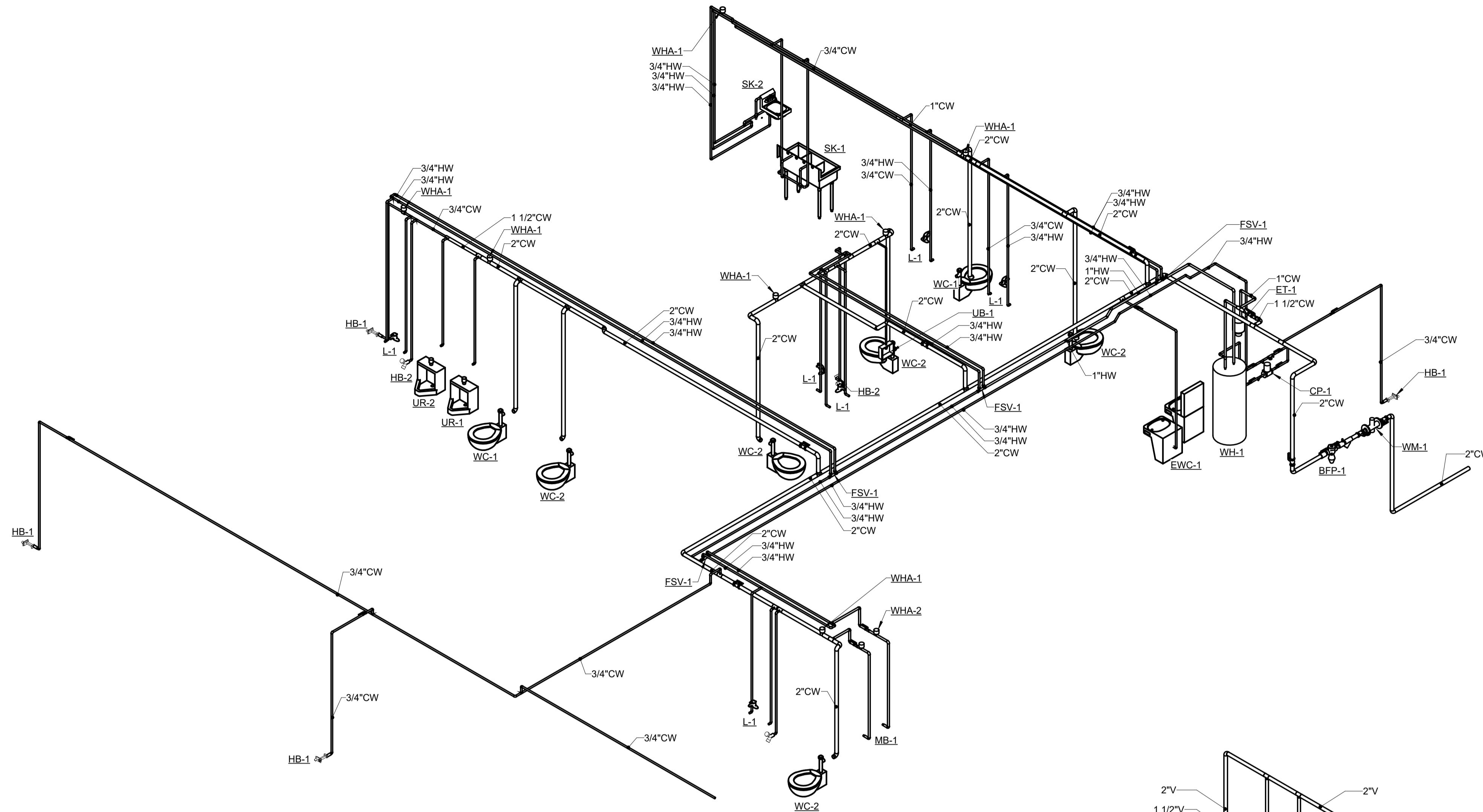
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PROFESSIONAL DESIGN NUMBER: 154-000298

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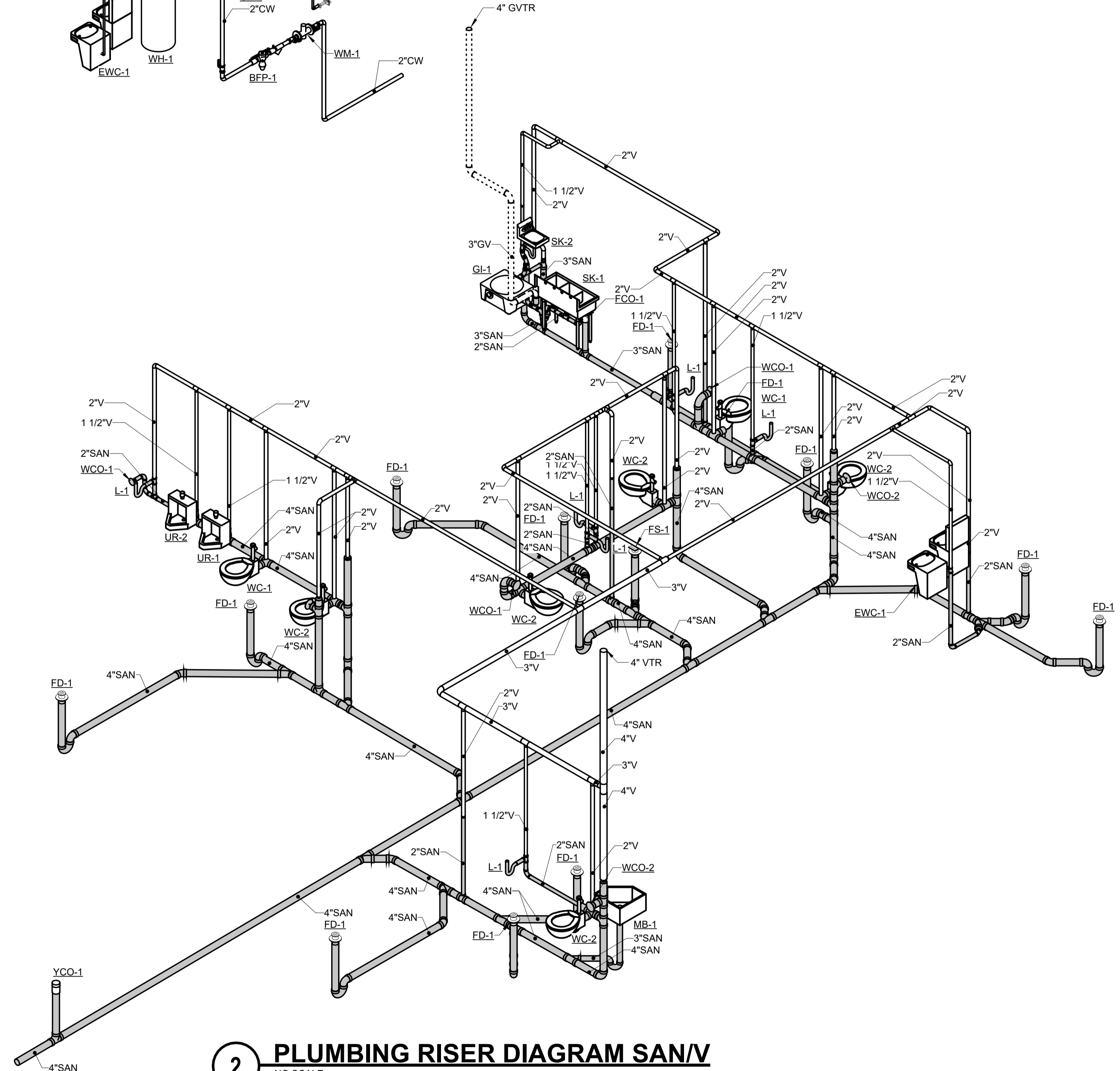
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1 PLUMBING RISER DIAGRAM DOMESTIC
NO SCALE



2 PLUMBING RISER DIAGRAM SAN/V
NO SCALE

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MARK	DATE	DESCRIPTION

DATE: 04-23-2024
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DESIGN: KAIA SH
DRAWN: IMEG
CHECK: MATKAH

PLUMBING RISER
DIAGRAM

P-202

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PROJECT #2301165.00



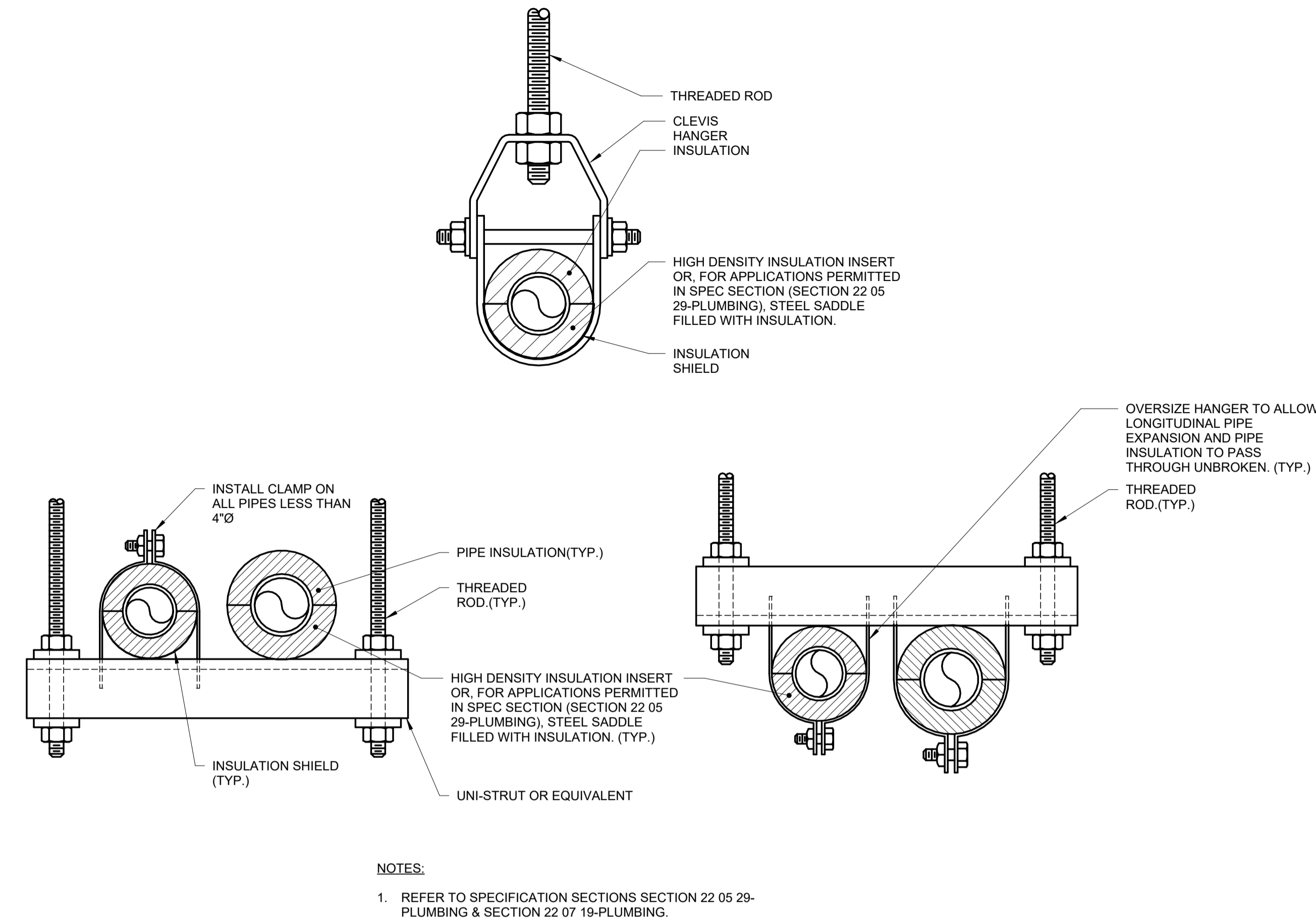
SIGNATURE
 04-23-2024
 DATE
 11-30-2025
 LICENSE EXPIRES

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MARK	DATE	DESCRIPTION

DATE: 04-23-2024
 PROJECT NO: 395-3272
 DESIGN: KAIASH DRAWN: IMEG CHECK: MATKAH

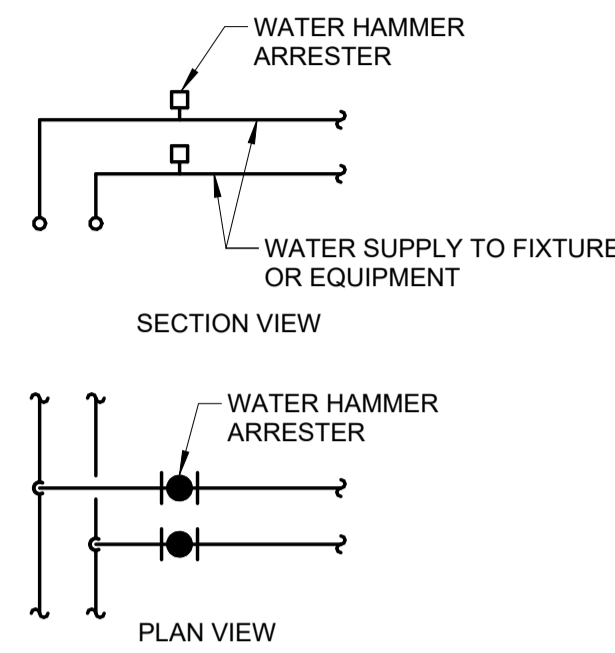
PLUMBING DETAILS



1 PIPE SUPPORT DETAIL
 NO SCALE

PROVIDE WATER HAMMER ARRESTER (WHA-1) AT PLUMBING FIXTURES AND QUICK CLOSING VALVES AS INDICATED ON DRAWINGS AND AS RECOMMENDED BY STANDARD PDI-WH201. REFER TO PLUMBING MATERIAL LIST FOR WATER HAMMER ARRESTER DESCRIPTION.

SINGLE / DOUBLE FIXTURE

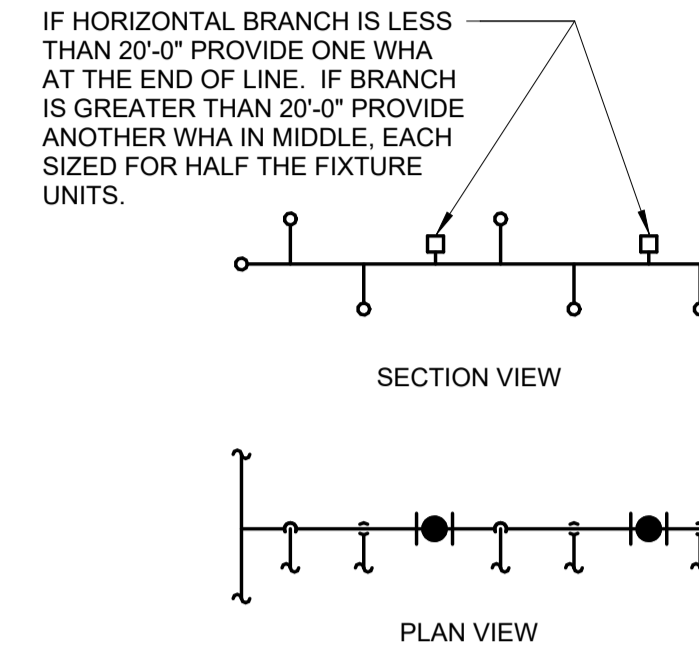


PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154
F	2"	155-330

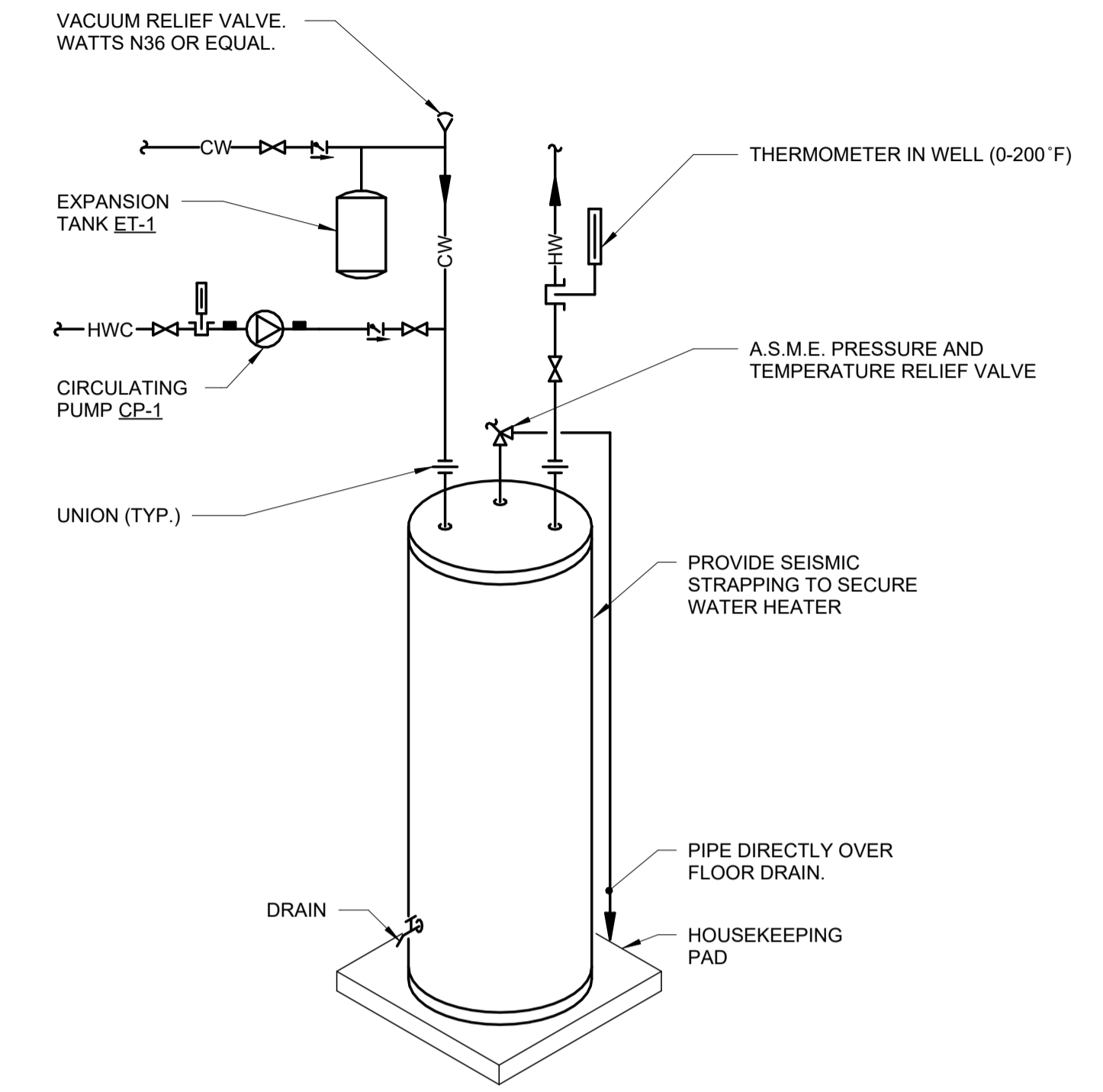
INSTALL WHA'S PER PDI STANDARDS AND MANUFACTURER'S INSTRUCTIONS. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE WHA AS SHOWN PER THE TABLES ABOVE. PROVIDE ACCESSIBILITY TO WHA WITH ACCESS PANEL OR INSTALL ABOVE ACCESSIBLE CEILING.

2 WATER HAMMER LOCATION AND SCHEDULE
 NO SCALE

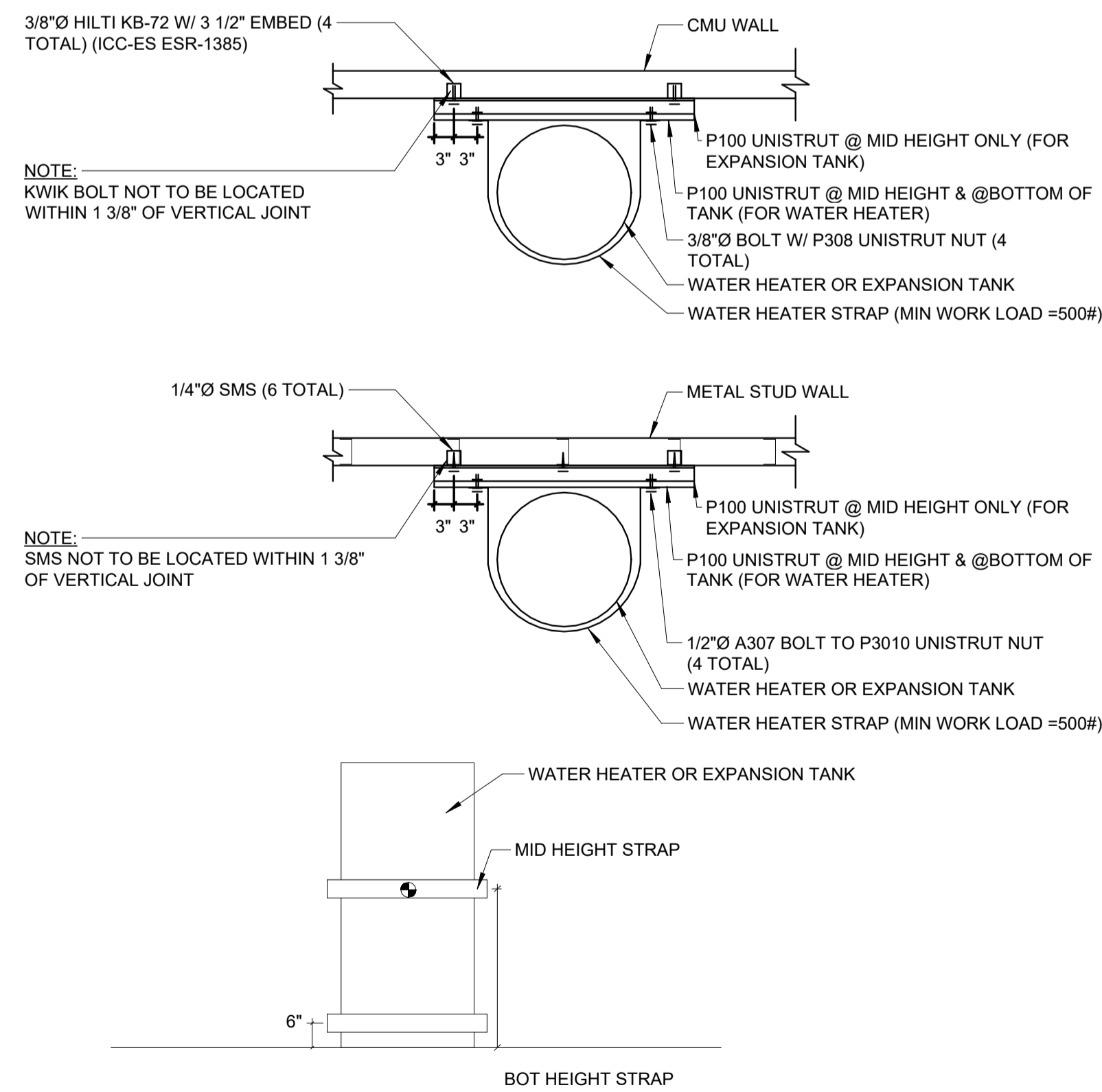
MULTIPLE FIXTURES



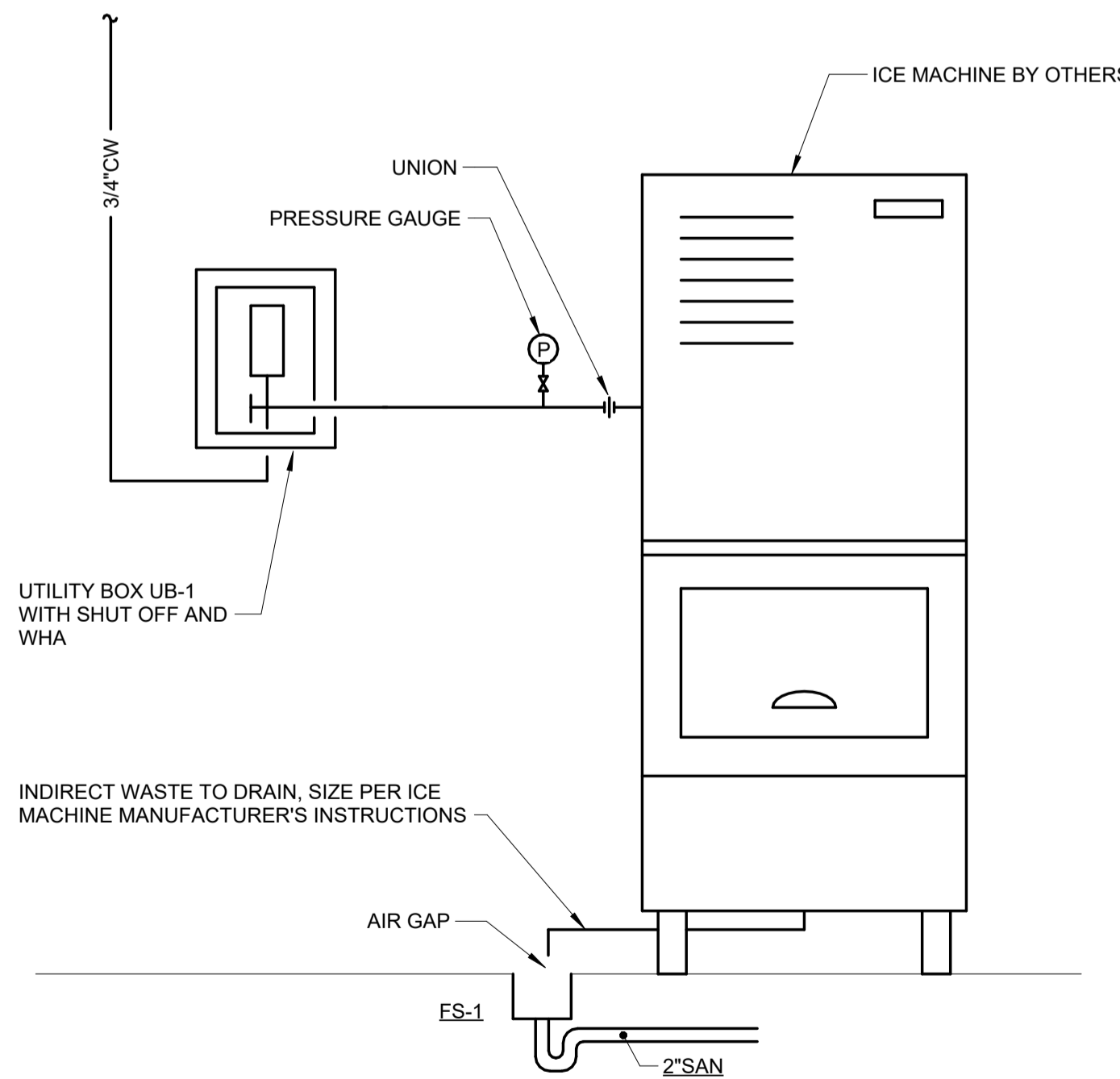
FIXTURE UNIT CALCULATION		
FIXTURE	COLD	HOT
WATER CLOSET (F.V.)	10	--
WATER CLOSET (TANK)	5	--
URINAL	5	--
LAVATORY	1.5	1.5
JANITOR'S SINK	3	3
SHOWER/BATHTUB	2	3
DRINKING FOUNTAIN	2	-
KITCHEN SINK	2	2
ICE MAKER / BEVERAGE	1	-



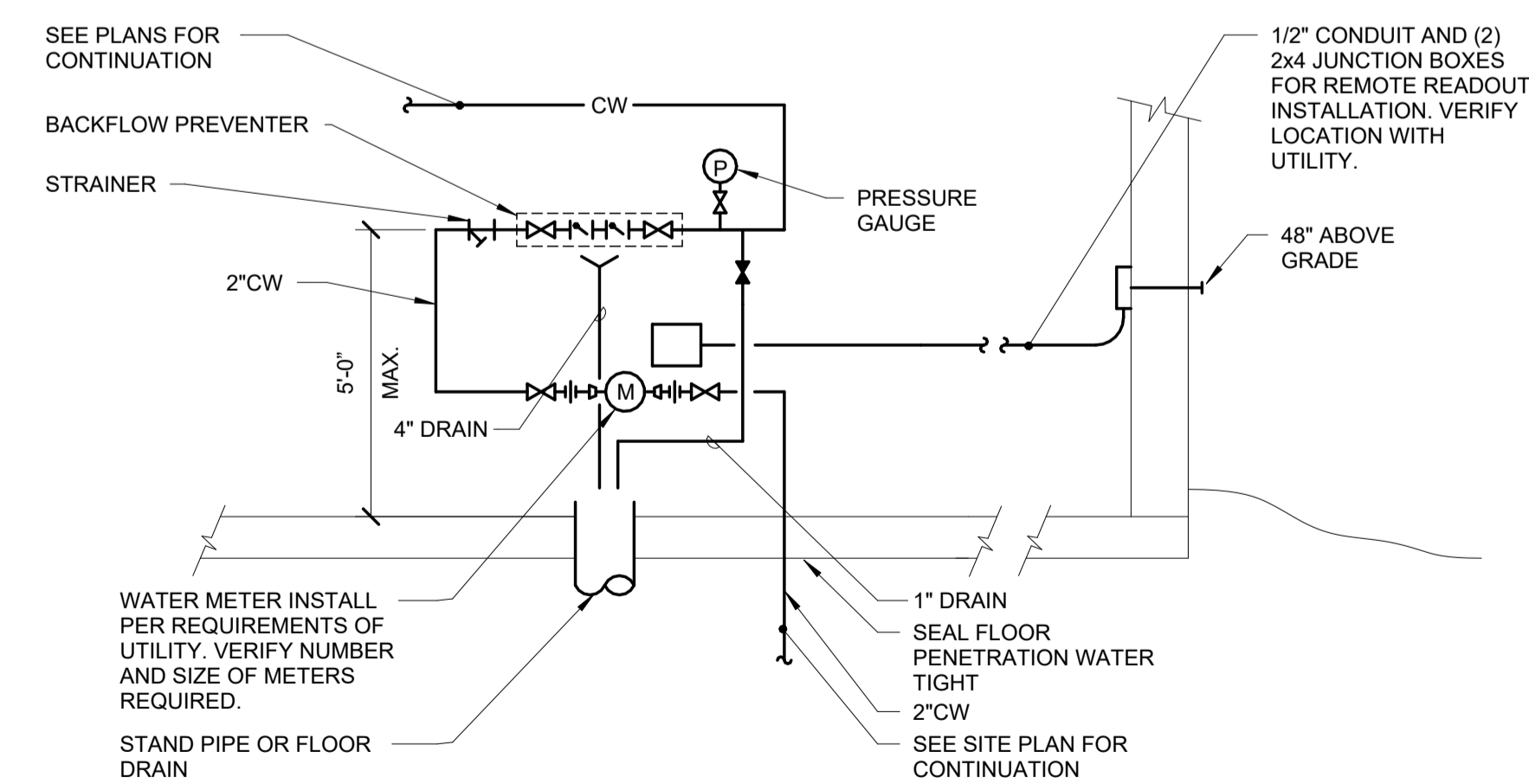
3 WATER HEATER DETAIL
 NO SCALE



4 WATER HEATER TANK STRAPPING
 NO SCALE



5 UTILITY BOX - ICE MACHINE
 NO SCALE

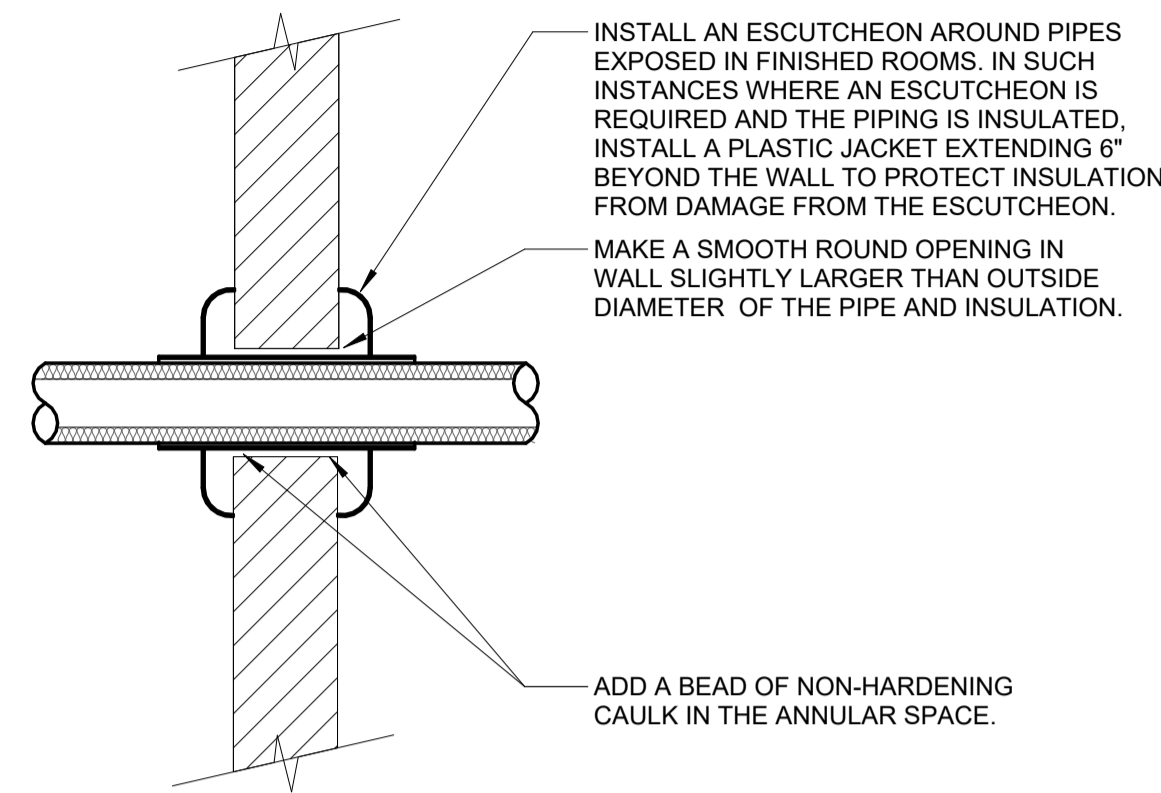


6 DOMESTIC WATER ENTRANCE
 NO SCALE

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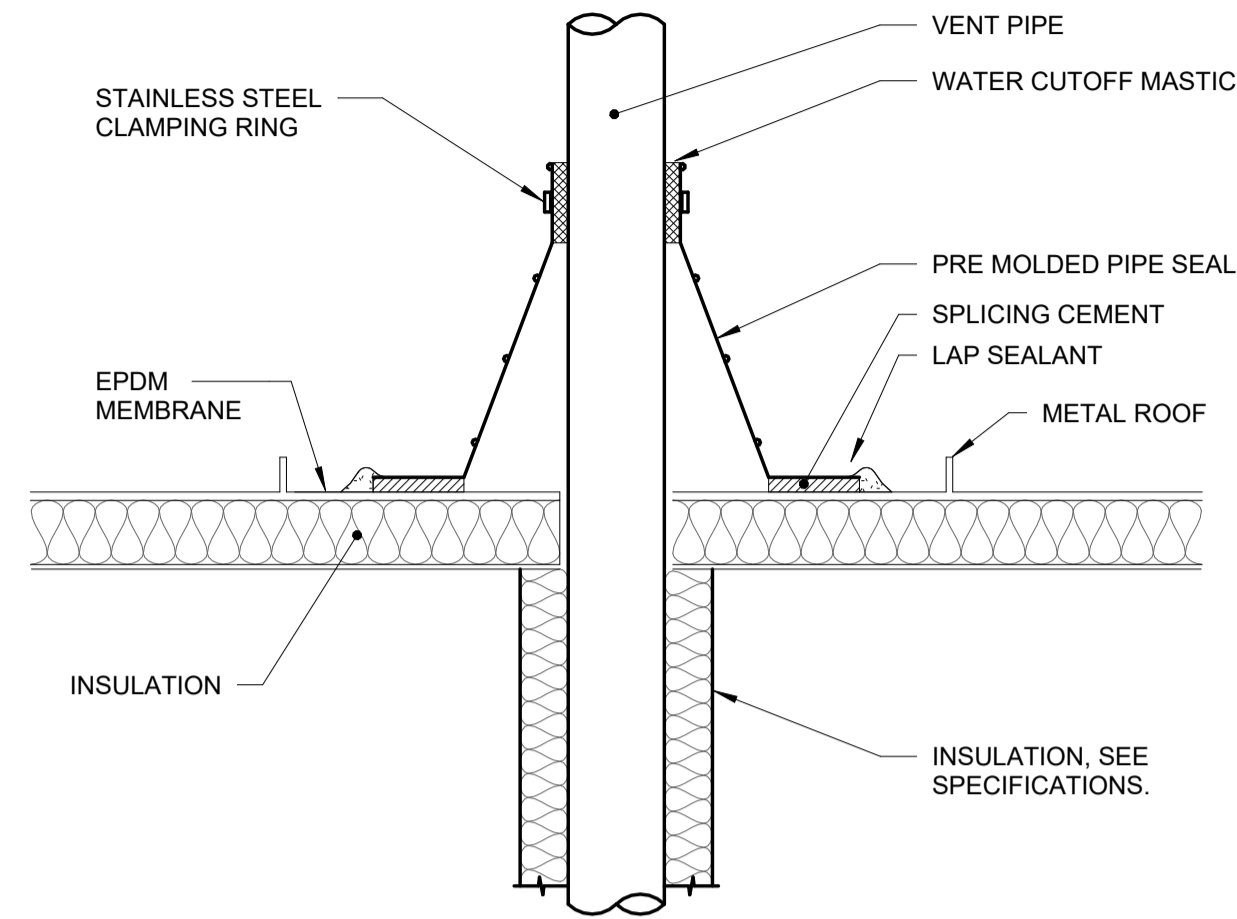
0 1 2 3
 REF. SCALE IN INCHES PROJECT #23001165.00



NOTES:

1. THIS DETAIL APPLIES TO ALL PIPES. THE INTENTION IS TO CONTINUE THE INSULATION AND VAPOR BARRIER THROUGH ALL PENETRATIONS. PERMIT THERMAL EXPANSION WITHOUT DAMAGING INSULATION, AND TO SEAL AIRTIGHT AROUND INSULATED AND UNINSULATED PIPES FOR NOISE TRANSMISSION CONTROL.
2. SEE SPECIFICATION SECTIONS (SECTION 22 05 29 - PLUMBING) FOR ADDITIONAL INFORMATION.
3. FLOOR OPENINGS ARE SIMILAR. SEE SPECIFICATION SECTION (SECTION 22 05 29 - PLUMBING) FOR DIFFERENCES BETWEEN FLOOR AND WALL PENETRATIONS.

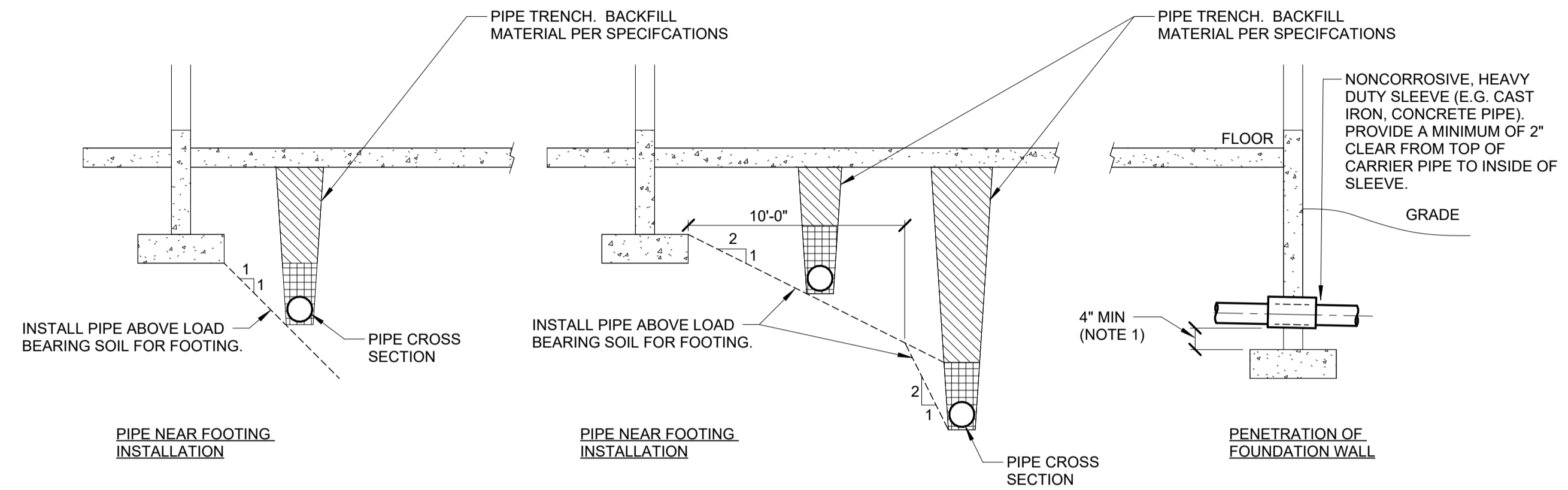
1 WALL PENETRATION - NON-FIRE RATED
NO SCALE



NOTES:

1. VENT PIPE SHALL BE A MINIMUM OF 3" DIAMETER UNLESS NOTED LARGER ON FLOOR PLANS. INCREASERS, IF REQUIRED TO TRANSITION TO THE LARGER VTR SIZE, MUST BE INSTALLED AT LEAST 12 INCHES BELOW THE THERMAL ENVELOPE OF THE BUILDING.
2. EXTEND VENT PIPE AT LEAST 7 FEET ABOVE ROOF LEVEL WHEN ROOF AREA IS INTENDED TO BE USED BY THE GENERAL PUBLIC. THIS INCLUDES PROMENADES, OBSERVATION DECKS, ETC. THIS IS NOT REQUIRED FOR ROOFS THAT ARE ACCESSIBLE BY MAINTENANCE PERSONEL ONLY.

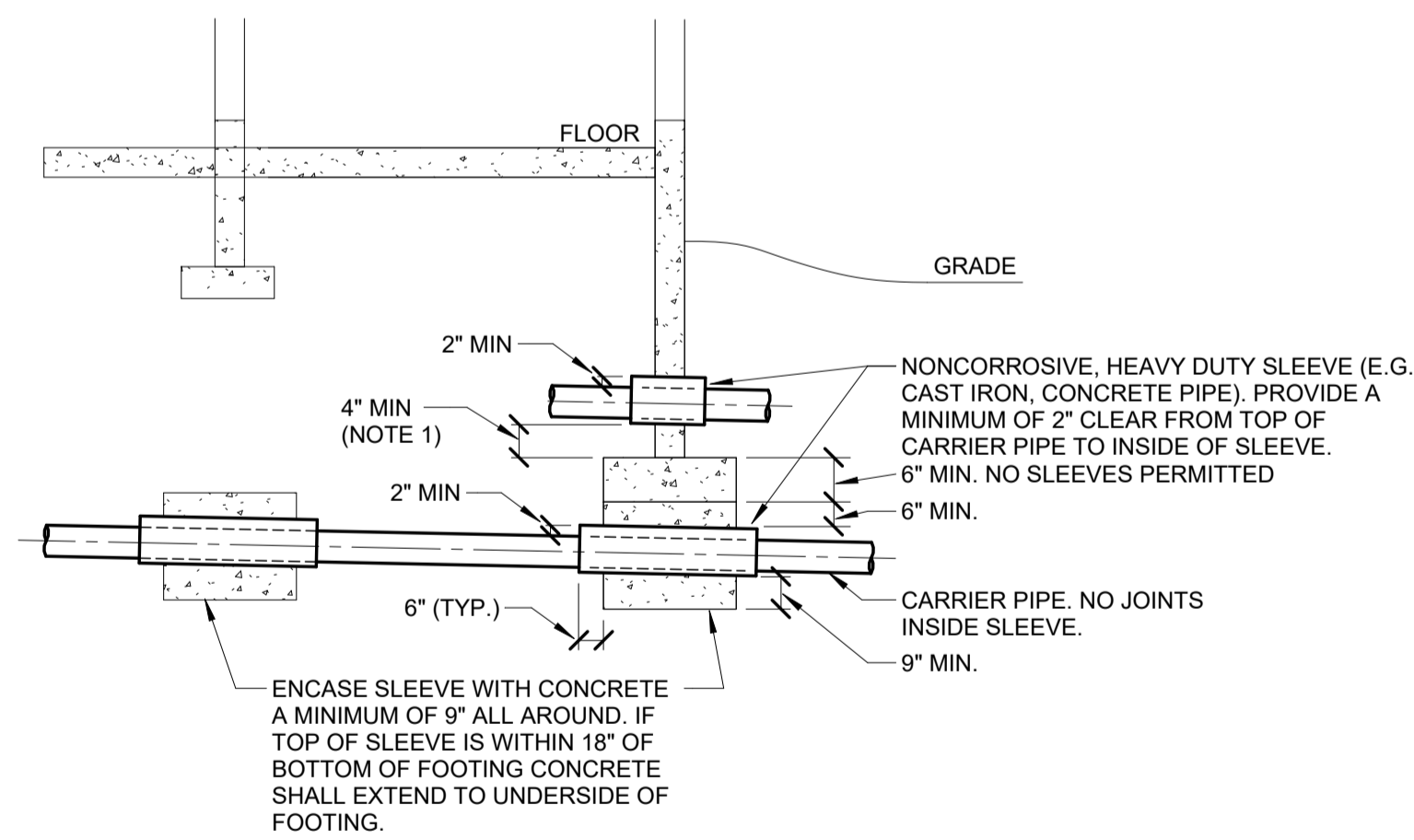
2 VENT PIPE FLASHING
NO SCALE



NOTES:

1. STEP FOOTING DOWN AS REQUIRED TO MAINTAIN MINIMUM DIMENSION.

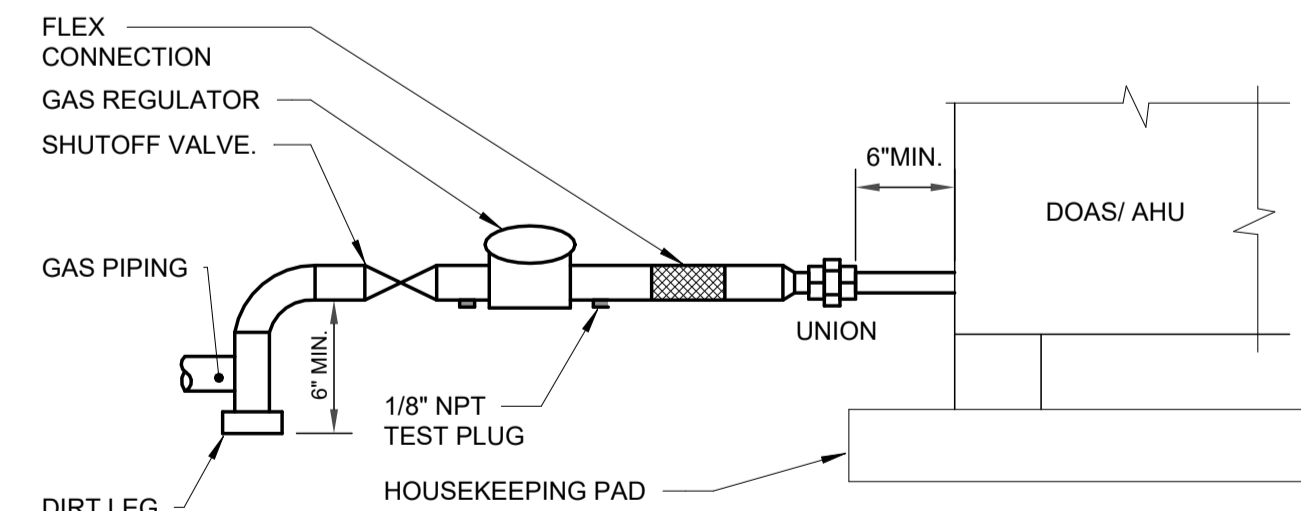
3 PIPE UNDERFLOOR TRENCH AND EXCAVATION/BACKFILL DETAIL
NO SCALE



NOTES:

1. STEP FOOTING DOWN AS REQUIRED TO MAINTAIN MINIMUM DIMENSION.

4 PIPE UNDER FOOTING DETAIL
NO SCALE



5 DOAS/ AHU GAS PIPING CONNECTION DETAIL
NO SCALE



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SIGNATURE
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2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: KAIASH DRAWN: IMEG CHECK: MATKAH

PLUMBING DETAILS

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P-301

VIEW KEY

NAME
10'-0"

LEVEL NAME
HEIGHT ABOVE PROJECT 0'-0"

INDICATES DIRECTION OF TRUE NORTH

PLAN OR DETAIL NUMBER

PLAN OR DETAIL NAME

INDICATES NOTE USED TO DESCRIBE ADDITIONAL INFORMATION ABOUT WORK REQUIRED, SPECIFIC TO THE SHEET AND/OR DETAIL

INDICATES SIMILAR DETAIL REFERENCED IN MULTIPLE LOCATIONS

DETAIL REFERRED TO BY SECTION CUT

SHEET DETAIL IS LOCATED ON

LINE TYPE AND TAG KEY:

NEW WORK BY THIS CONTRACTOR (WIDE LINE)
 NEW
 EXISTING TO BE REMOVED (SHORT DASHED PATTERN)
 NEW UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

EXISTING TO REMAIN OR WORK BY OTHERS (NARROW LINE)
 EXISTING
 EXISTING TO BE REMOVED BY OTHERS (SHORT DASHED PATTERN)
 EXISTING UNDERFLOOR OR UNDERGROUND (LONG DASHED PATTERN)

HALFTONING DOES NOT MODIFY SCOPE.

'TAG-E' TAGS WITH DASH 'E' INDICATES THE REFERENCED OBJECT IS EXISTING

TAG-1 UNDERLINED TAG INDICATES OBJECT IS IN-SCOPE. IF NEW, ADDITIONAL INFORMATION IS AVAILABLE IN A SCHEDULE, MATERIAL LIST, OR SYMBOL LIST

◆ INDICATES AN EXISTING SYSTEMS POINT OF CONNECTION/REMOVAL

CONTRACTOR ABBREVIATION KEY

NOT ALL SYMBOLS MAY APPLY.

ABBR:	DESCRIPTION:
C.C.	CIVIL CONTRACTOR
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
V.C.	VENTILATION CONTRACTOR

FIRE / SMOKE BARRIER DESIGNATIONS

THE LINE TYPES SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

2 HOUR FIRE BARRIER OR WALL	-----
-----------------------------	-------

VENTILATION SYMBOL LIST

NOT ALL SYMBOLS MAY APPLY.

SYMBOL:	DESCRIPTION:
	DIRECTION OF AIR FLOW
	FLEXIBLE DUCT
	MANUAL VOLUME DAMPER
	RISE IN DIRECTION OF AIR FLOW
	DROP IN DIRECTION OF AIR FLOW
	DUCT CAP
	DUCT DOWN
	DUCT UP
	SUPPLY/OUTSIDE AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	EXHAUST/RELIEF AIR DUCT SECTION
	4-WAY DIFFUSER WITH BLANKOFF IN ONE DIRECTION
	AIR TERMINAL PROPERTIES SYMBOL NECK SIZE/CFM
	CARBON MONOXIDE SENSOR
	CARBON DIOXIDE SENSOR
	HUMIDISTAT SENSOR
	HUMIDISTAT/SENSOR (DUCT MOUNTED)
	OCCUPANCY SENSOR
	PRESSURE SENSOR/MONITOR
	PRESSURE SENSOR (DUCT MOUNTED)
	THERMOSTAT/SENSOR
	TEMPERATURE SENSOR (DUCT MOUNTED)
	THERMOSTAT/SENSOR WITH HEAVY DUTY ENCLOSURE
	AIRFLOW MEASUREMENT SYMBOL XX - AHU SYMBOL Y - SEQUENTIAL NUMBER

VENTILATION ABBREVIATION KEY

NOT ALL SYMBOLS MAY APPLY.

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
CFSD	CONTROL/FIRE/SMOKE DAMPER
DN	DOWN
EA	EXHAUST/RELIEF AIR
FD	FIRE DAMPER
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FSD	FIRE/SMOKE DAMPER
MA	MIXED AIR
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
N.O.	NORMALLY OPEN
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
SCCR	SHORT CIRCUIT CURRENT RATING
SD	SMOKE DAMPER
TAB	TERMINAL AIR BOX
TD	TRANSFER DUCT
TYP	TYPICAL
UC-1	DOOR UNDERCUT BY OTHERS (1" TYPICAL)
UON	UNLESS OTHERWISE NOTED

- ### VENTILATION GENERAL NOTES:
- UNLESS NOTED OTHERWISE, THE SIZE OF EACH BRANCH DUCT TO AN AIR TERMINAL SHALL MATCH THE INLET SIZE.
 - ALIGN TEMPERATURE SENSORS WITH LIGHT SWITCHES AND WHEN IN CLOSE PROXIMITY TO EACH OTHER.
 - PROVIDE ACCESS DOORS AT ALL DUCT MOUNTED EQUIPMENT.
- ### MECHANICAL GENERAL NOTES:
- THESE NOTES APPLY TO ALL MECHANICAL SHEETS AND TRADES, INCLUDING BUT NOT LIMITED TO, PLUMBING, VENTILATION, PIPING AND TEMPERATURE CONTROL.

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES AND EQUIPMENT INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIO/VISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
- SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY AMONG DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK TUBE PULL OR EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN A MINIMUM WORKING CLEARANCE OF 3'-6" IN FRONT OF ALL ELECTRICAL EQUIPMENT REQUIRING MAINTENANCE, INSPECTION, AND TESTING INCLUDING BUT NOT LIMITED TO PANELS, DISTRIBUTION PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, TRANSFORMERS, EQUIPMENT DISCONNECTS AND STARTERS.
- MAINTAIN THE DEDICATED ELECTRICAL EQUIPMENT SPACE DEFINED BY THE WIDTH / DEPTH OF ELECTRICAL EQUIPMENT MEASURED FROM THE FLOOR TO A HEIGHT 6'-0" ABOVE THE EQUIPMENT OR THE STRUCTURAL CEILING, WHICHEVER IS LOWER. SYSTEMS FOREIGN TO THE ELECTRICAL DISTRIBUTION SYSTEM ARE NOT ALLOWED IN THE DEDICATED ELECTRICAL SPACE INCLUDING: DUCTWORK, PIPING, ETC.
- PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
- DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER WHEN ATTACHING TO METAL ROOF DECKING (LIMITATION NOT REQUIRED WITH CONCRETE ON METAL DECK). THIS 25 LBS. LOAD AND 2'-0" SPACING INCLUDE ADJACENT ELECTRICAL AND ARCHITECTURAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, SUPPLEMENTAL FRAMING OFF STEEL FRAMING SHALL BE ADDED. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

- ### TAB POST-CONSTRUCTION NOTES:
- AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE, TESTING, ADJUSTING (TAB) AND BALANCING CONTRACTOR SHALL REBALANCE AIR HANDLING UNITS AND EXHAUST FANS AS REQUIRED TO ACHIEVE THE NEW AIRFLOW VALUES SHOWN ON THE CONSTRUCTION DRAWINGS.
 - TAB CONTRACTOR SHALL COMPILER AND SUBMIT COPIES OF THE FINAL POST-CONSTRUCTION TAB REPORT AS REQUIRED BY SECTION 23 05 93.
 - THE FINAL POST CONSTRUCTION REPORT SHALL INCLUDE ALL ITEMS REQUIRED IN THE SPECIFICATIONS.



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SIGNATURE
04-23-2024
DATE
11-30-2025
LICENSE EXPIRES

ATHLETIC TRAINING FACILITY
 WABASH VALLEY COLLEGE
 2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
 ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: KAIAH DRAWN: IMEG CHECK: MATKAH

VENTILATION
COVERSHEET

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V-000

- GENERAL NOTES:**
1. ALL EXTERIOR DUCT TO BE INSULATED AS PER SPECIFICATION SECTION 23 32 00.
 2. SLOPE EXTERIOR DUCTS TO AVOID WATER POOLING AS PER SPECIFICATION SECTION 23 32 00.



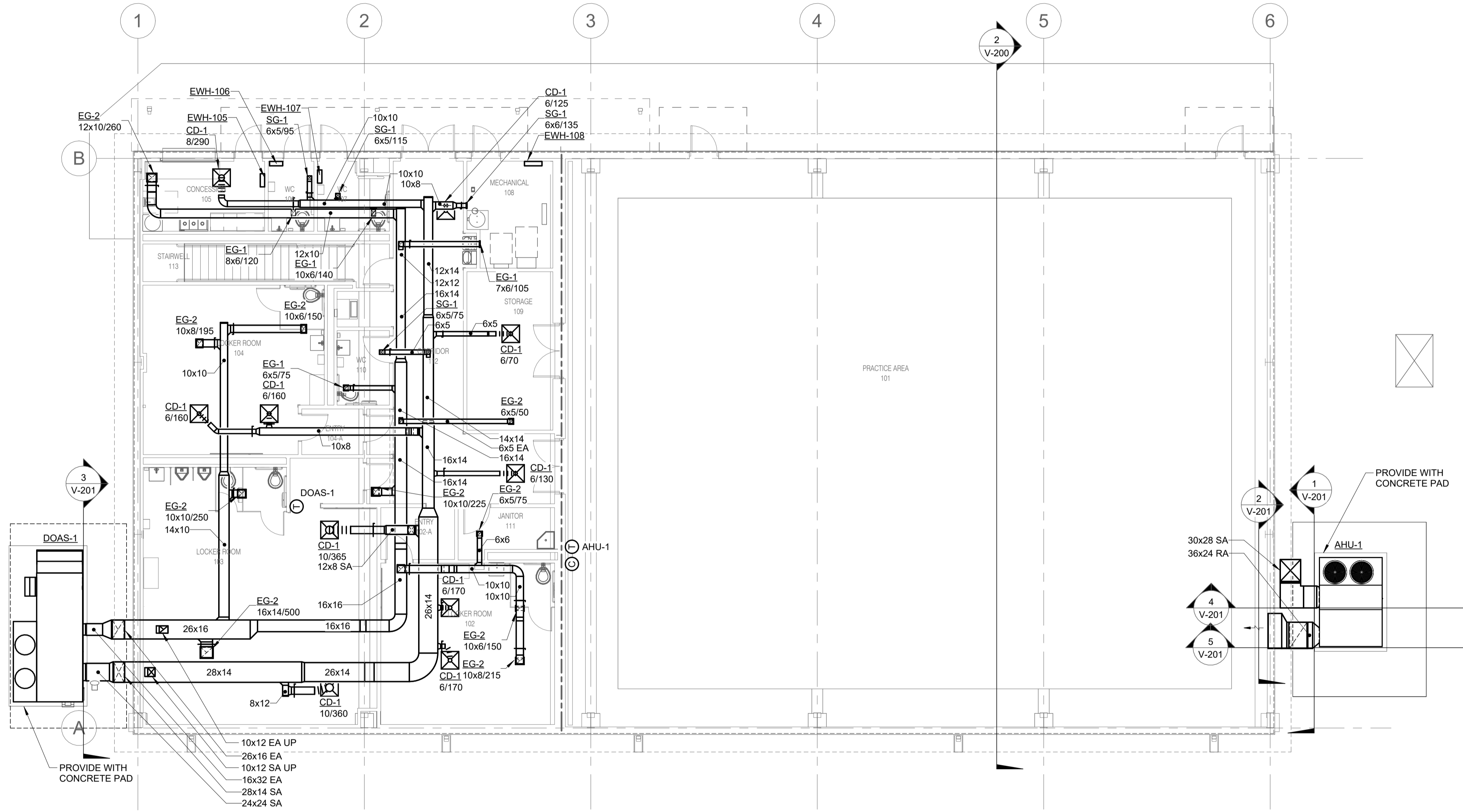
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1 FLOOR PLAN - VENTILATION
1/8" = 1'-0"

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VENTILATION FLOOR PLAN

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V-101



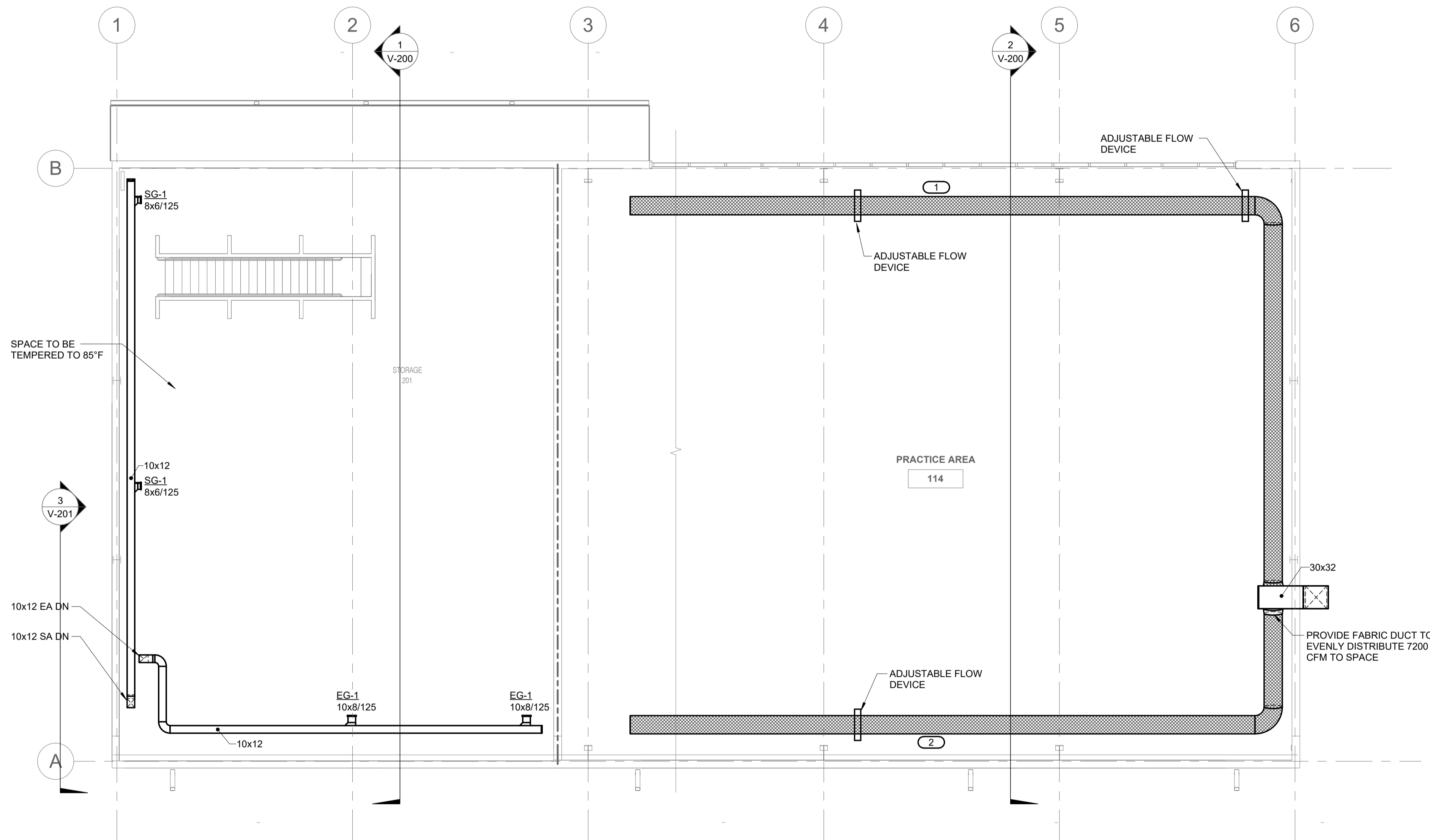
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1 STORAGE PLAN - VENTILATION
1/8" = 1'-0"
NORTH

DISPERSION INFORMATION (VELOCITY OF 150, 100, 50 FPM)					
KEYNOTE	CFM DISPERSED	DISPERSION TYPE	DISPERSION SET 1	DISPERSION SET 2	DISPERSION SET 3
1	3570	ORIFICE	SIZE 0.75 AT 5:00 - 6' 9" 14"	SIZE 0.75 AT 7:00 - 6' 9" 14"	SIZE 1.5 AT 8:00 - 12' 18" 29"
2	3700	ORIFICE	SIZE 2.25 AT 4:00 - 18' 27" 44"	SIZE 1.25 AT 5:00 - 10' 15" 24"	SIZE 1.25 AT 7:00 - 10' 15" 24"

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MARK	DATE	DESCRIPTION

DATE: 04-23-2024
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DESIGN: KAIAASH DRAWN: IMEG CHECK: MATKAH

VENTILATION
STORAGE PLAN

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V-102



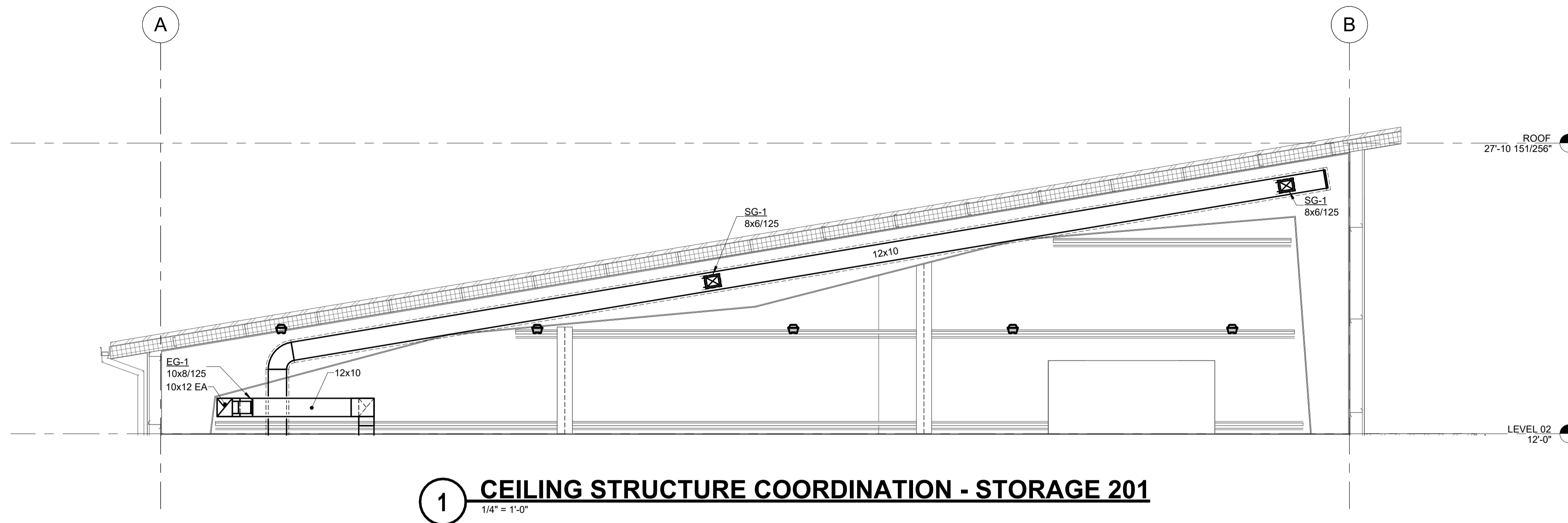
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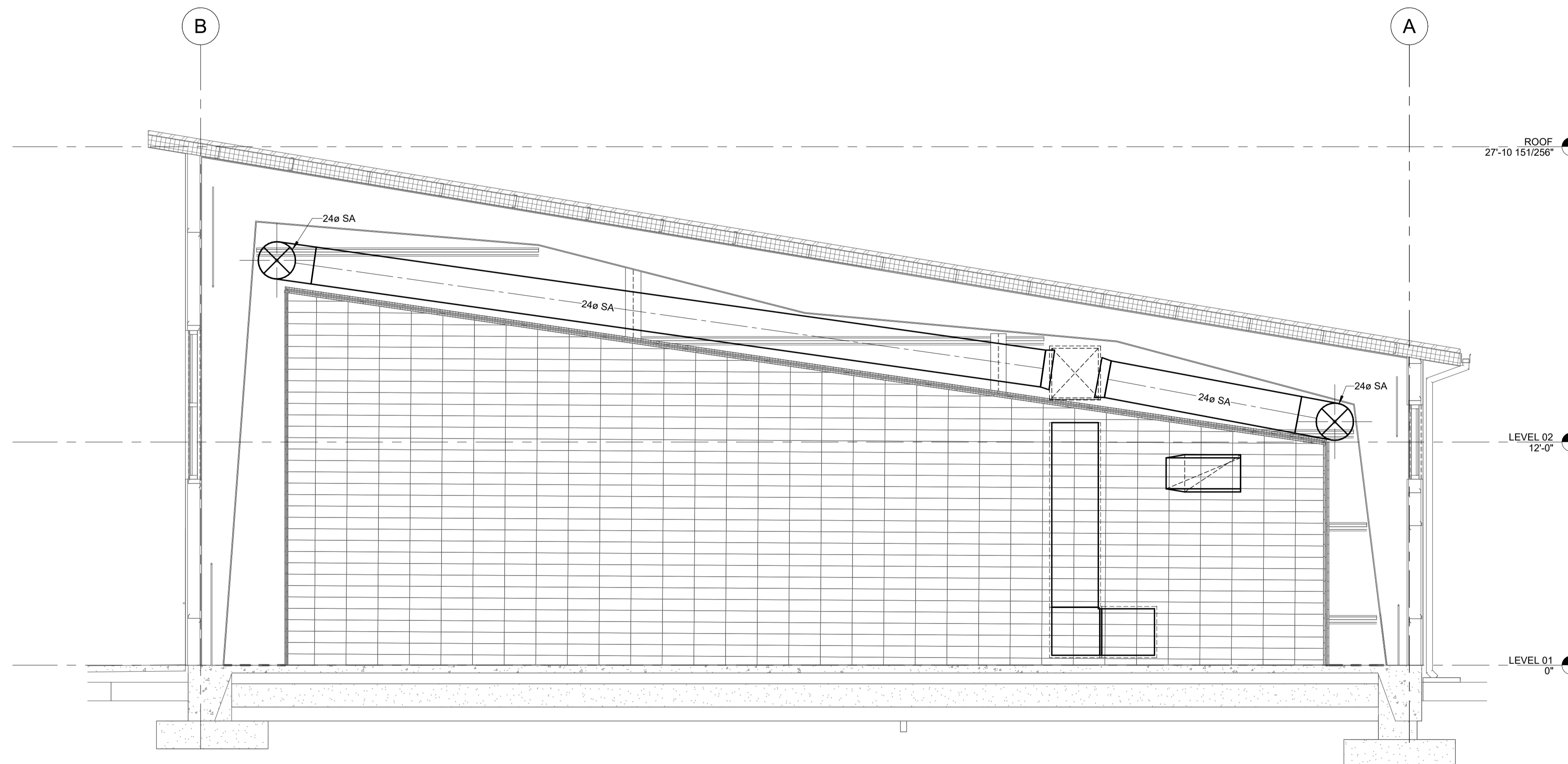
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1 CEILING STRUCTURE COORDINATION - STORAGE 201
1/4" = 1'-0"



2 CEILING STRUCTURE COORDINATION - PRACTICE AREA
1/4" = 1'-0"

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MARK	DATE	DESCRIPTION

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VENTILATION
DIAGRAM

V-200

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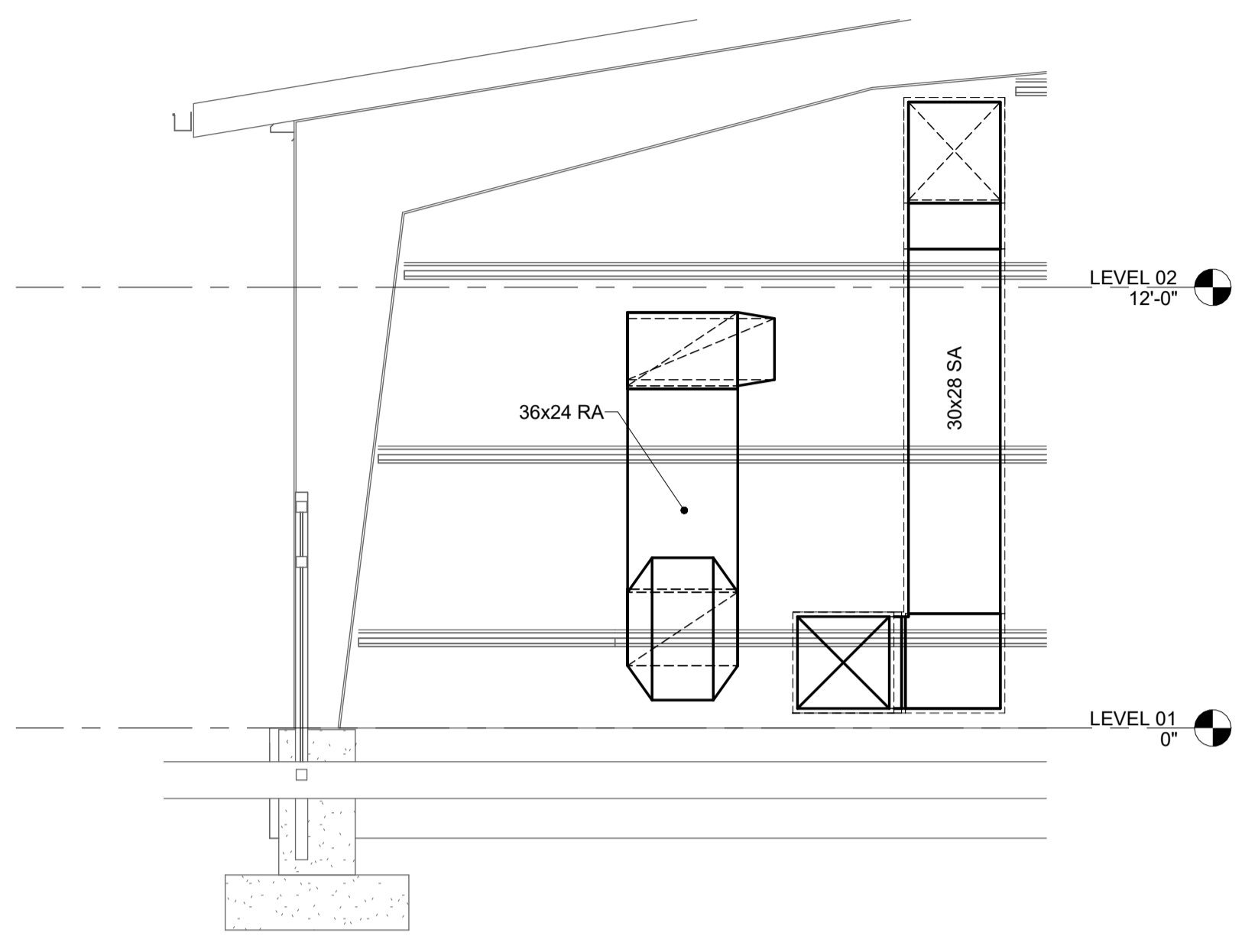
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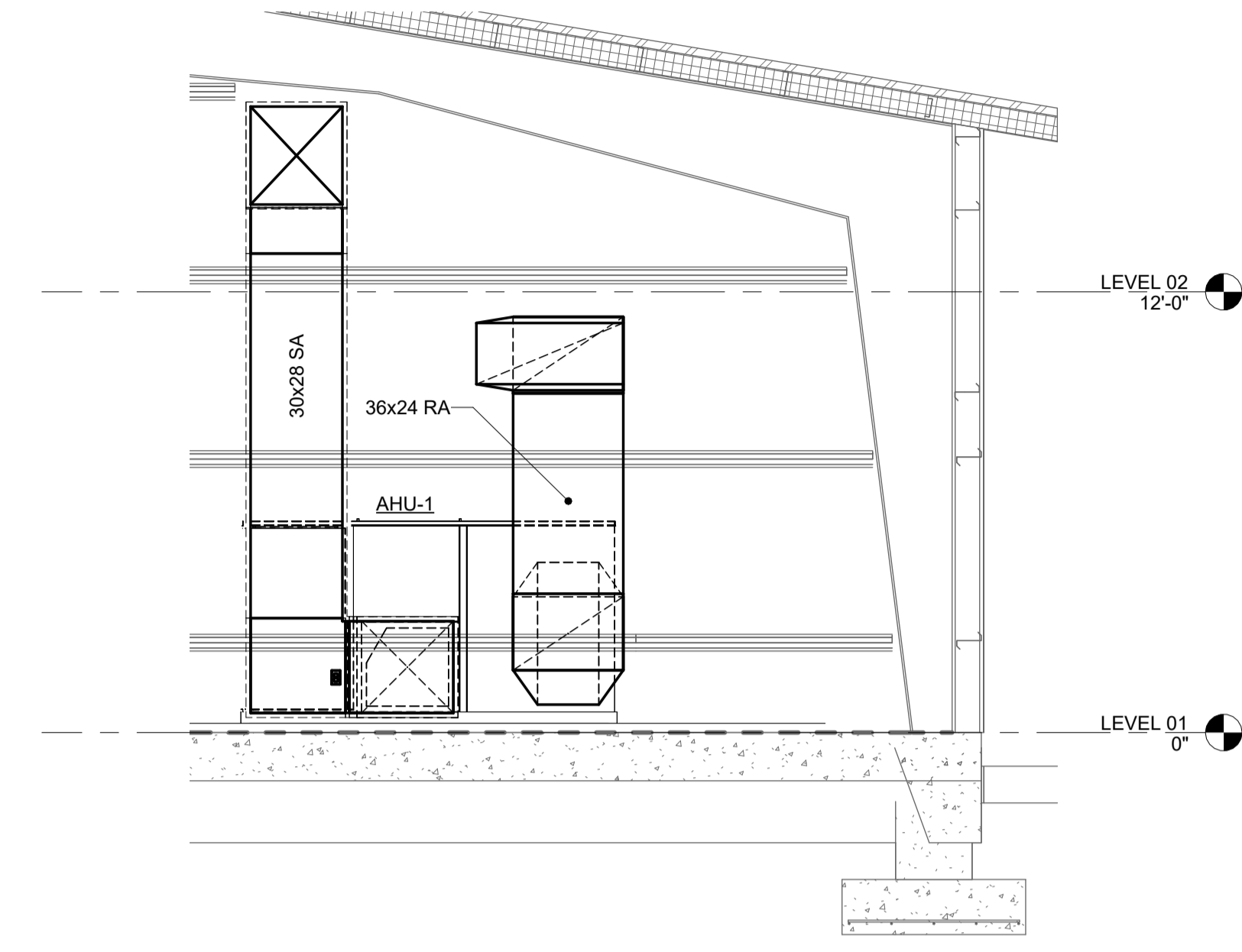
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DIAGRAM

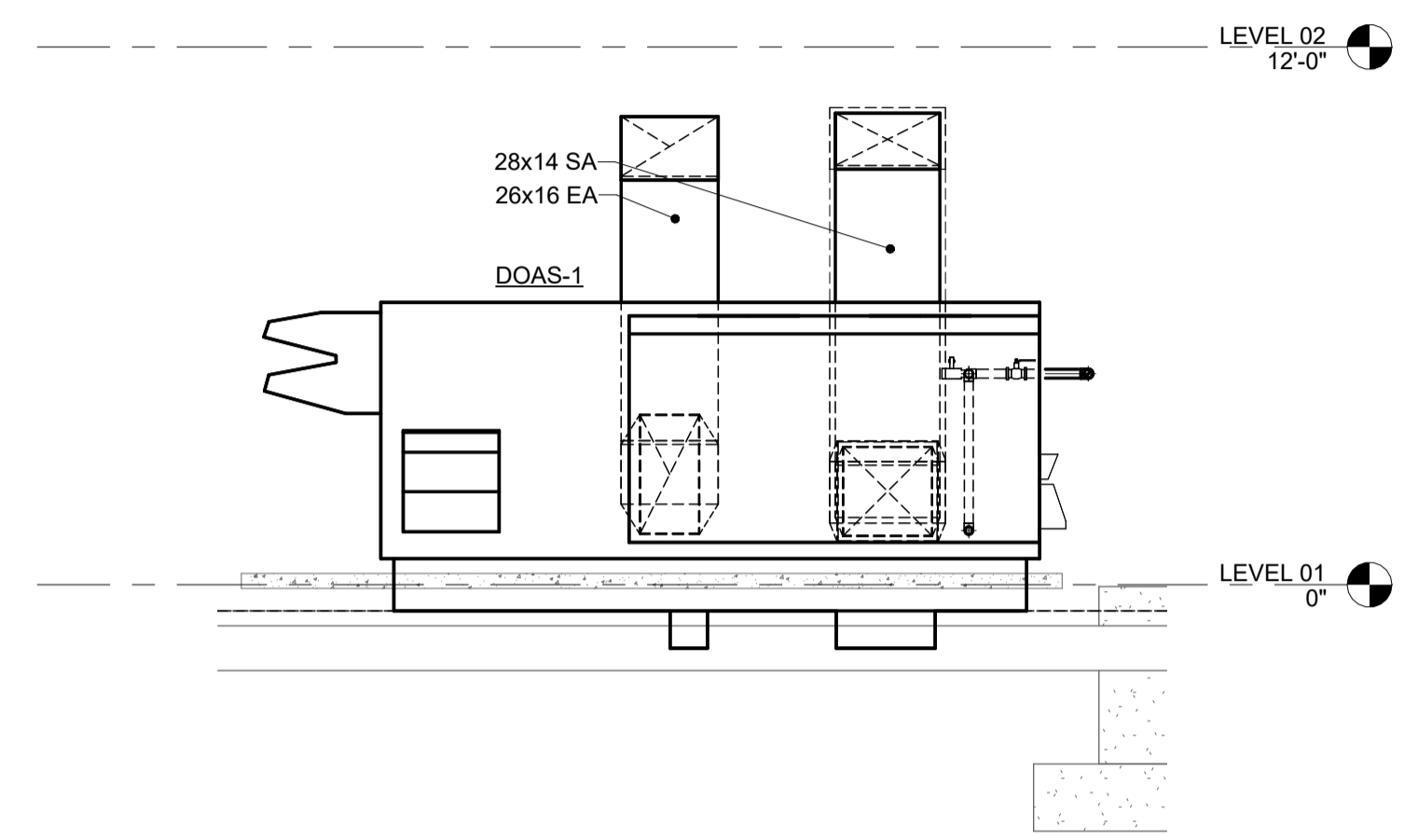
V-201



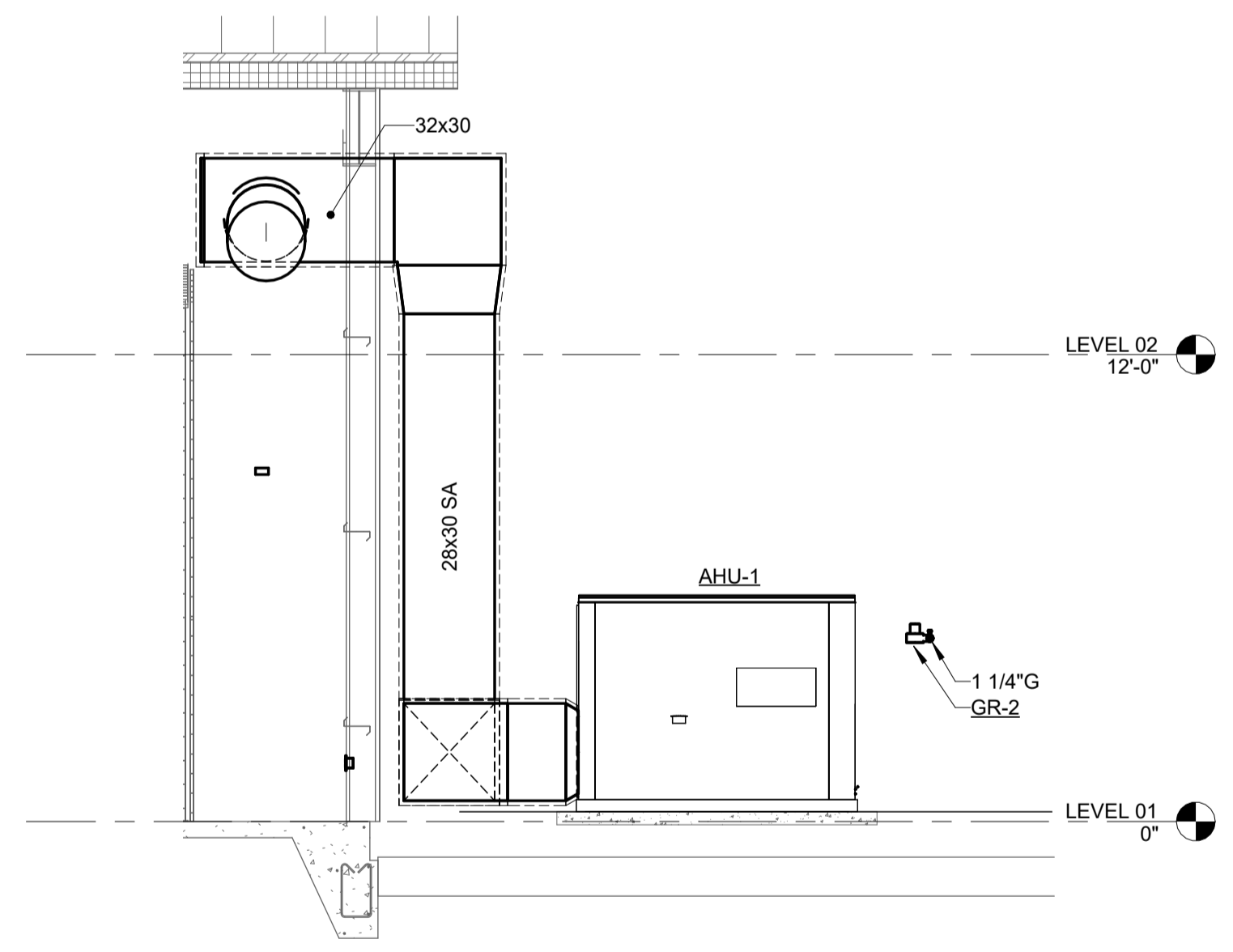
1 NORTH VIEW OF AHU-1 CONNECTIONS
1/4" = 1'-0"



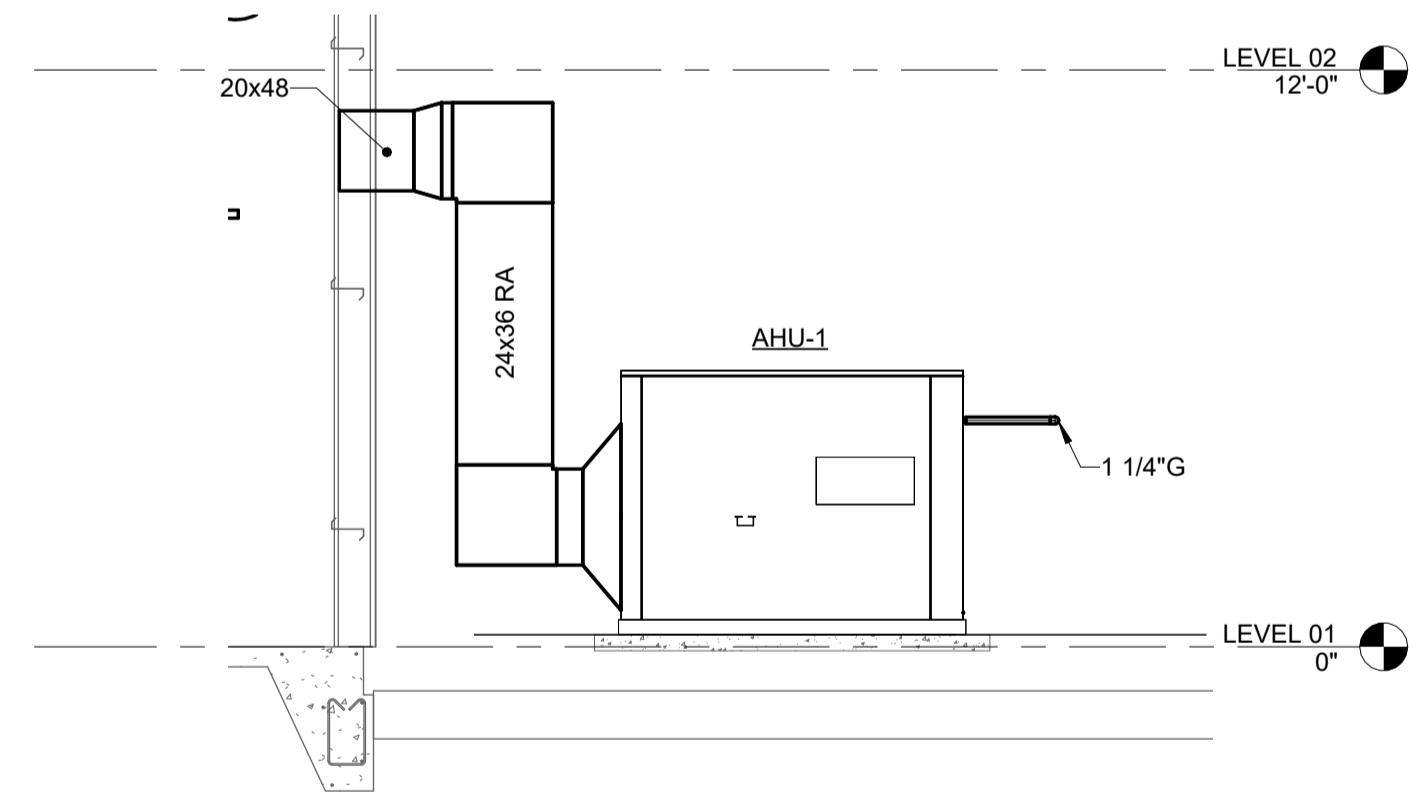
2 SOUTH VIEW OF AHU-1 CONNECTIONS
1/4" = 1'-0"



3 SOUTH VIEW OF DOAS-1 CONNECTIONS
1/4" = 1'-0"



4 WEST VIEW OF SUPPLY CONNECTION FOR AHU-1
1/4" = 1'-0"

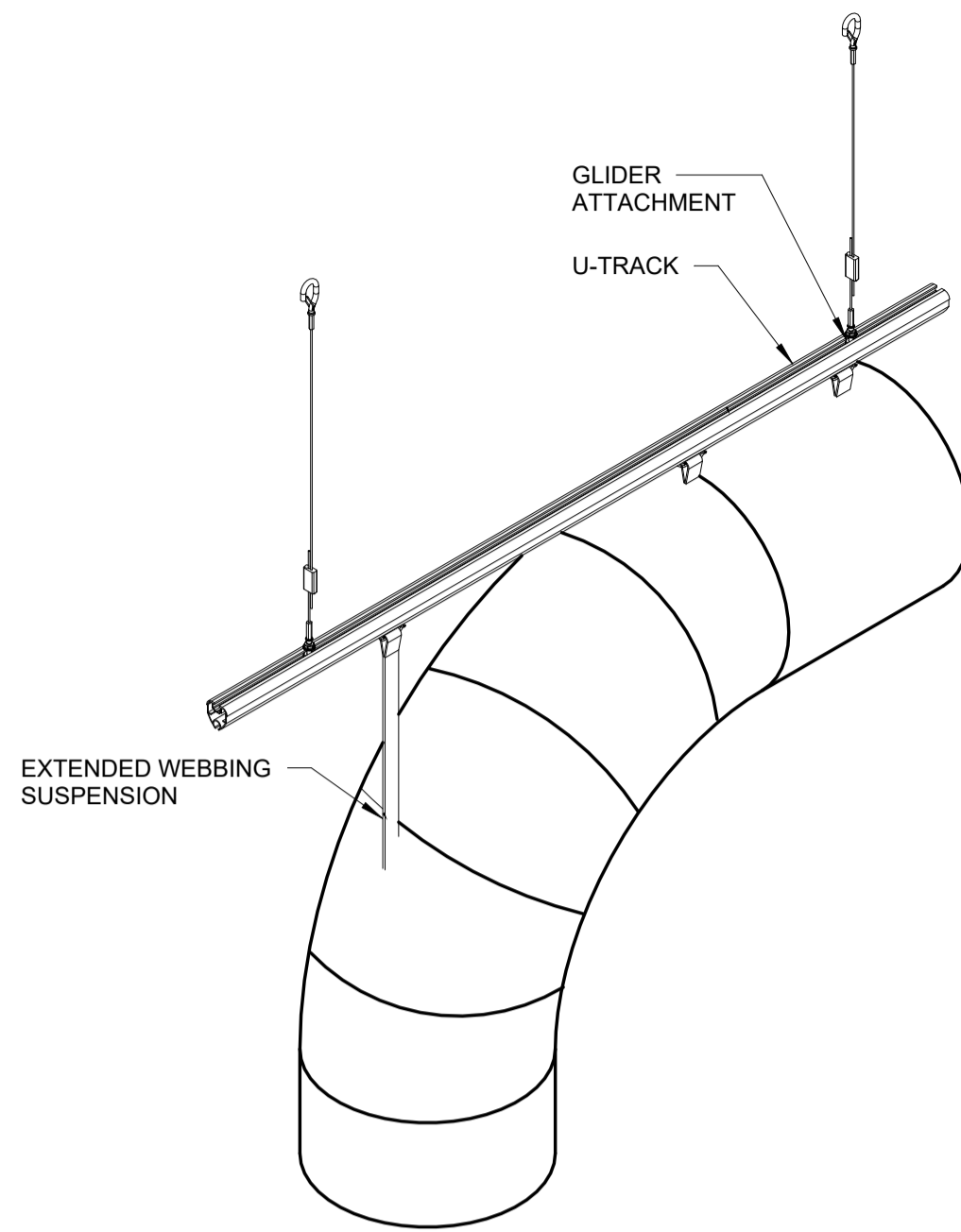


5 WEST VIEW OF RETURN CONNECTION FOR AHU-1
1/4" = 1'-0"

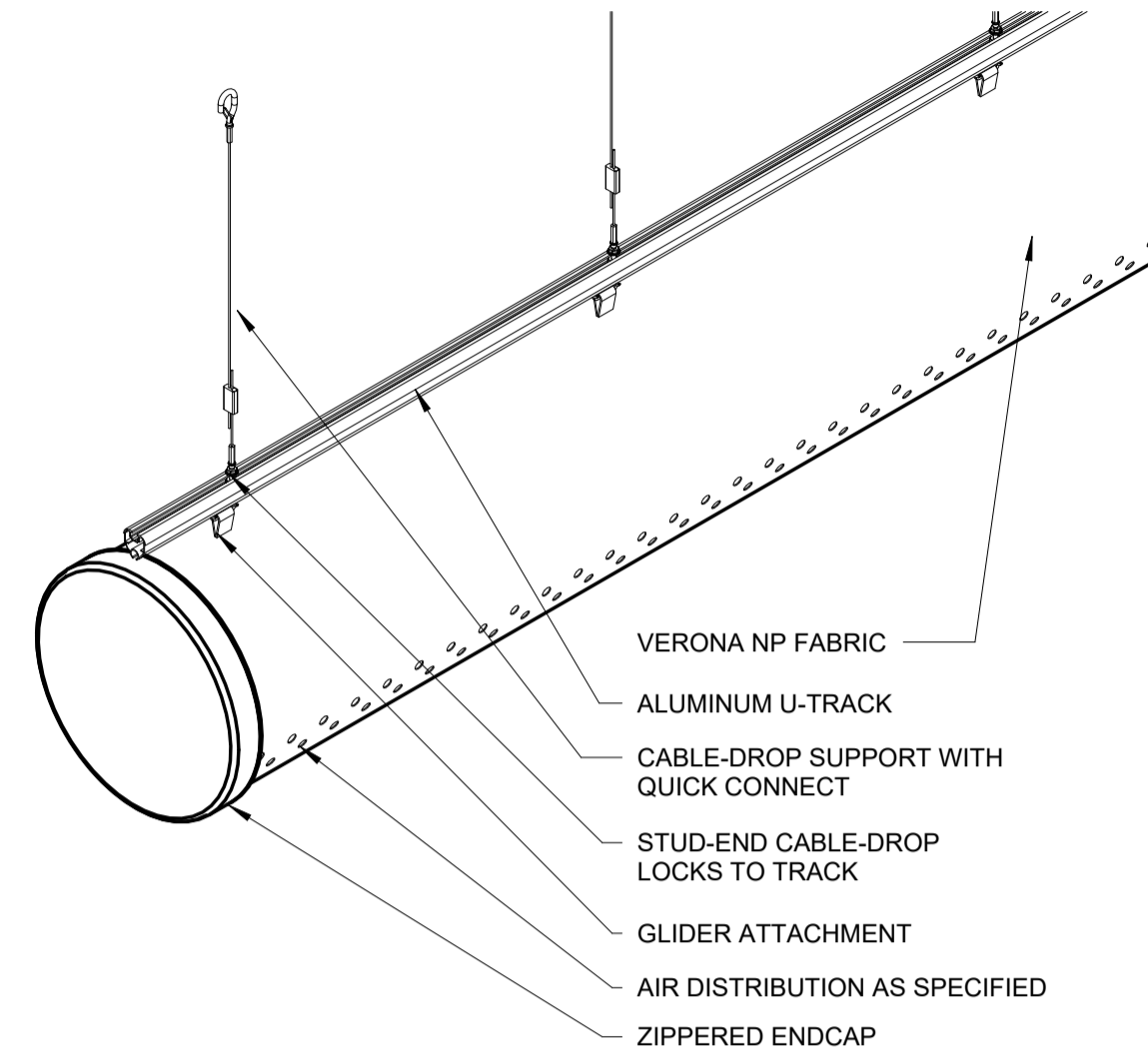
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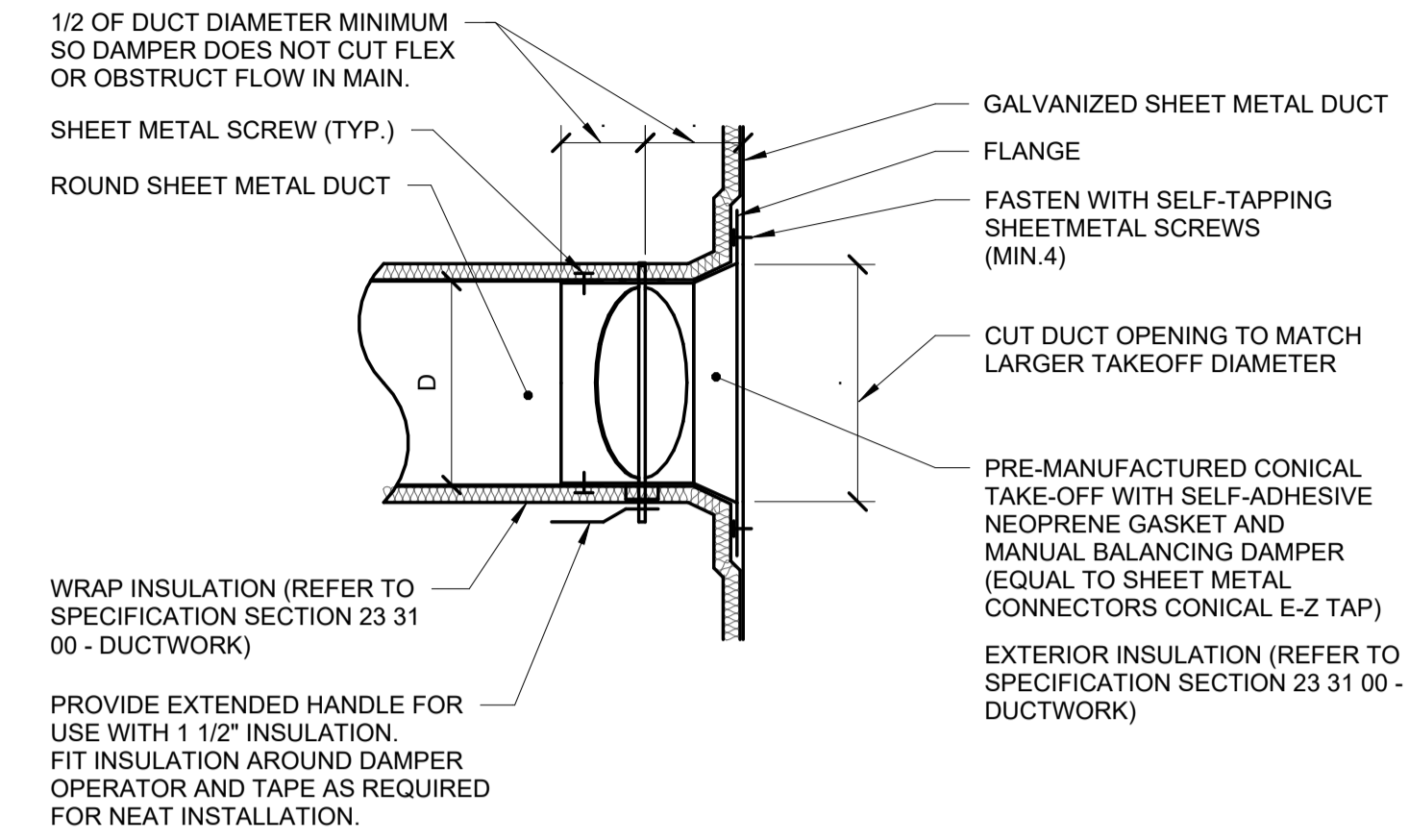
REF. SCALE IN INCHES



1 FABRIC DUCT SUSPENSION DETAIL - VERTICAL
NO SCALE

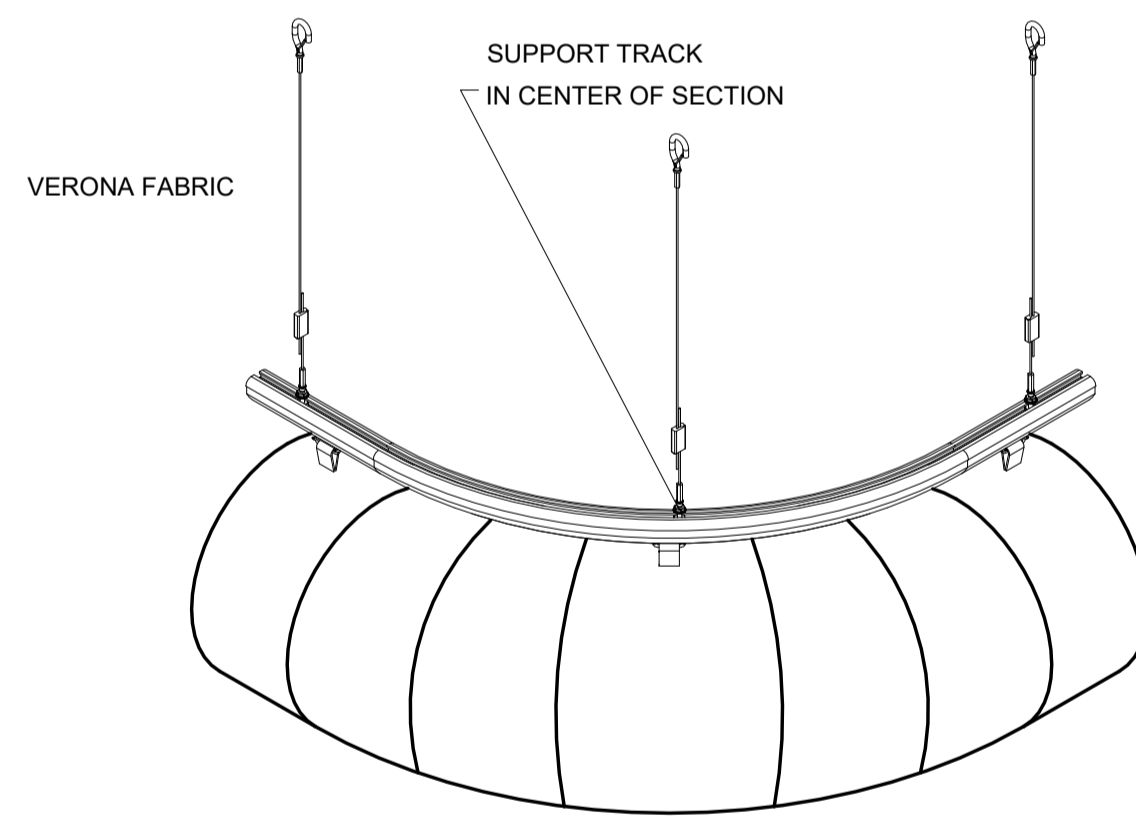


2 FABRIC DUCT SUSPENSION DETAIL - STRAIGHT
NO SCALE

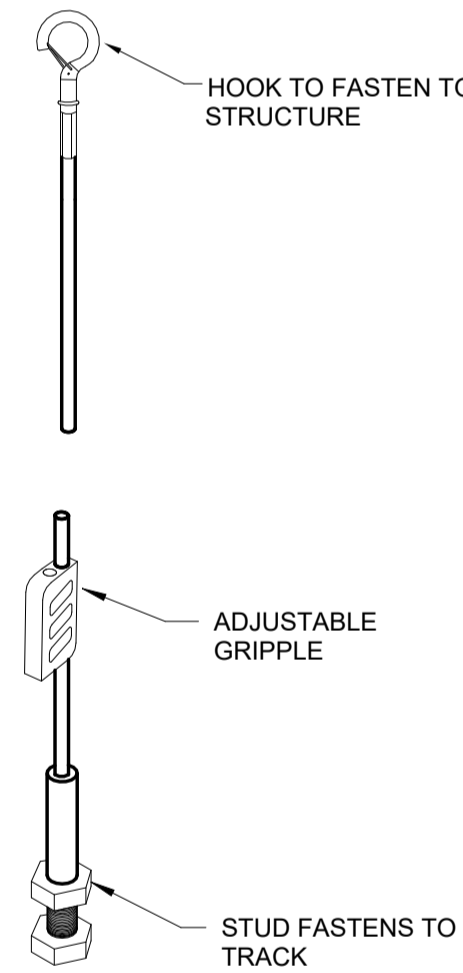


- WRAP INSULATION (REFER TO SPECIFICATION SECTION 23 31 00 - DUCTWORK)
- PROVIDE EXTENDED HANDLE FOR USE WITH 1 1/2" INSULATION. FIT INSULATION AROUND DAMPER OPERATOR AND TAPE AS REQUIRED FOR NEAT INSTALLATION.
- NOTES:**
- THIS DETAIL APPLIES ONLY TO TAPS OFF UNLINED DUCTS.
 - TAP DOES NOT NEED TO BE CONICAL IF THE TAP IS NOT LOCATED BETWEEN FANS AND TERMINAL AIR BOXES, DUCT IS NOT OVER 2" PRESSURE CLASS, AND ROUND DUCT IS NOT OVER 12" DIAMETER.
 - MANUFACTURED TAP/DAMPER COMBINATIONS WITH LESS THAN 1/2 DUCT DIAMETER SPACING BETWEEN THE MAIN DUCT AND THE DAMPER SHAFT ARE ACCEPTABLE ONLY IF THE DAMPER SHAFT IS INSTALLED PARALLEL TO THE AIR FLOW IN THE MAIN DUCT.

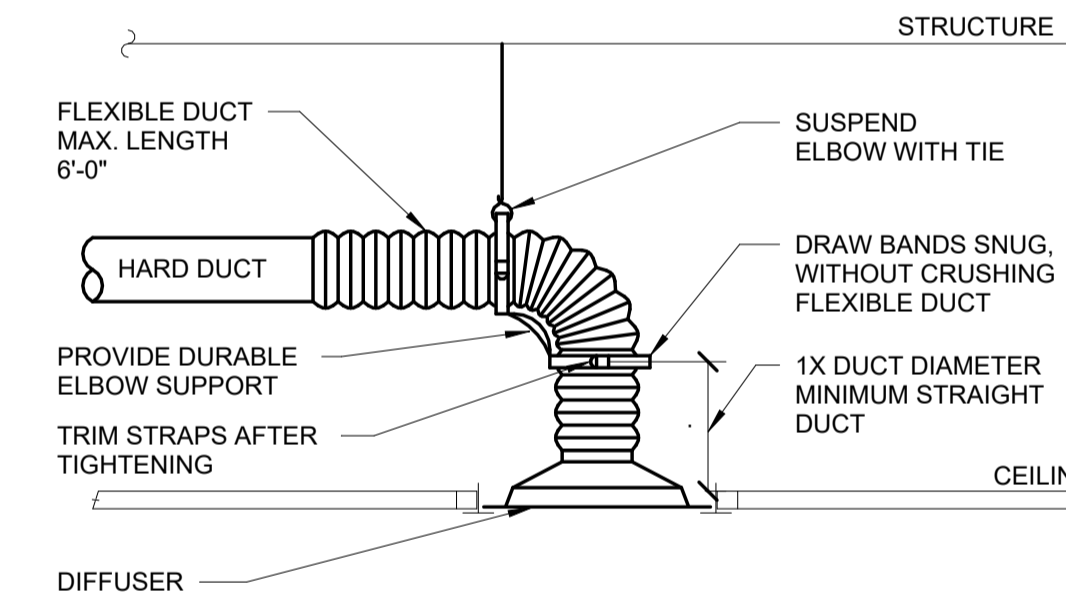
3 ROUND DUCT TAP CONNECTION (CONICAL/WAPPED)
NO SCALE



4 FABRIC DUCT SUSPENSION DETAIL -CORNER
NO SCALE

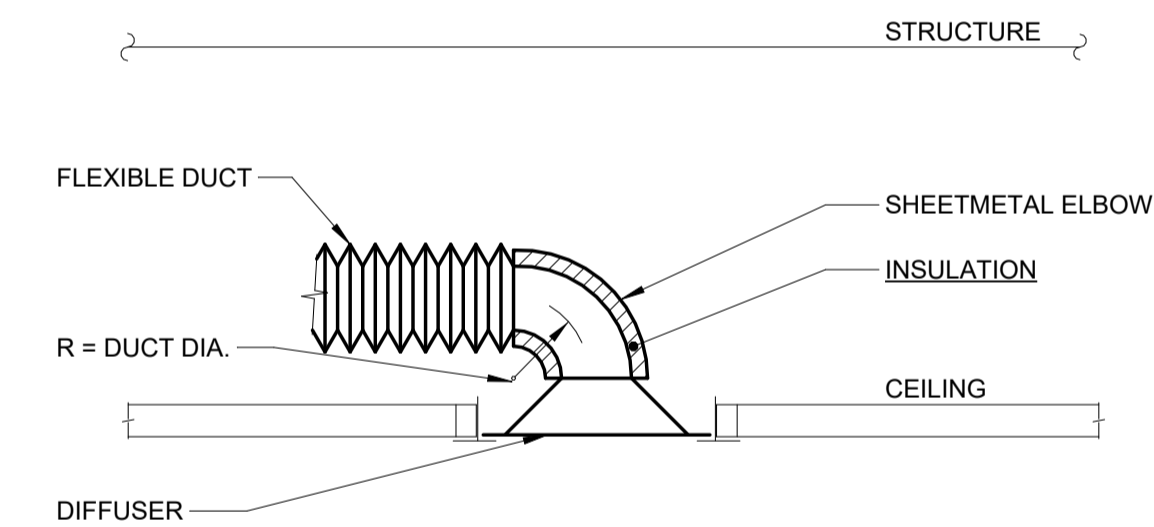


5 U-TRACK SUPPORT DETAIL
NO SCALE



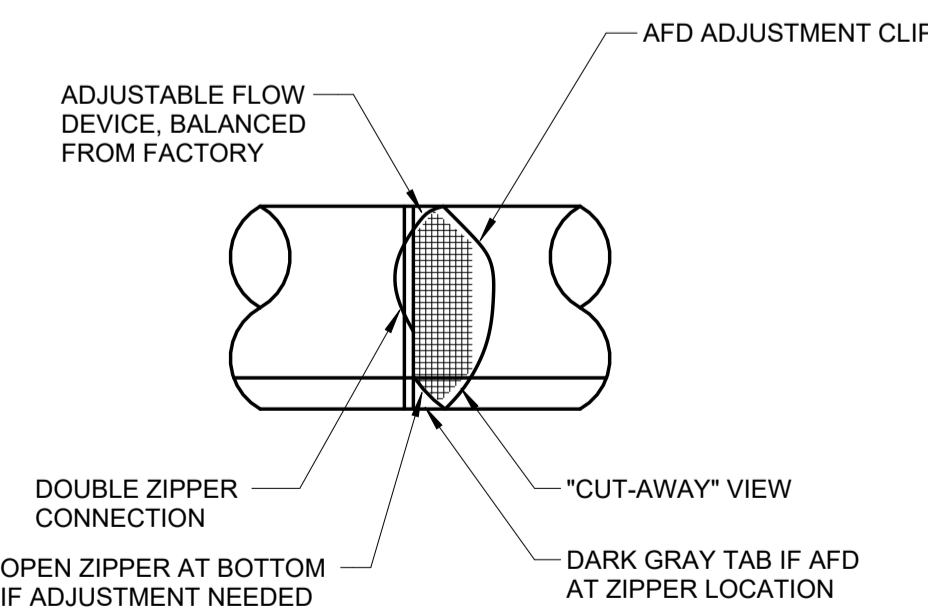
- NOTES:**
- TO ATTACH FLEX DUCT TO THE HARD DUCT, TAPE THE INNER LINER TO THE HARD DUCT THEN ATTACH WITH TWO NYLON TIE WRAPS, ONE FOR THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL INSIDE ITSELF SO IT HAS NEAT EDGES PRIOR TO TIE WRAPPING.
 - "SMARTFLOW" ELBOW (WWW.HARTANDCOOLEY.COM), THERMAFLEX "FLEXFLOW" (WWW.THERMAFLEX.NET/FLEXFLOW_ELBOU.PHP?AUD) AND "FLEXRIGHT" (WWW.TITUS-HVAC.COM) ARE ACCEPTABLE PRODUCTS FOR DURABLE ELBOW SUPPORT.

6 DIFFUSER CONNECTION DETAIL (W/ RADIUS FORMING ELBOW)
NO SCALE



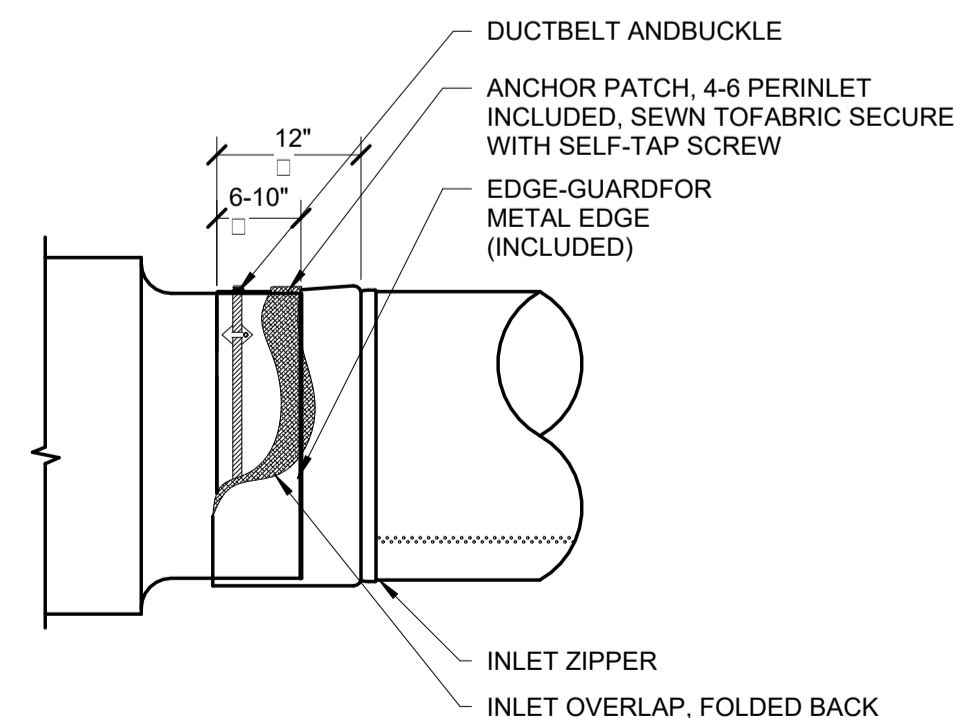
- NOTES:**
- TO ATTACH FLEX DUCT TO THE HARD DUCT, TAPE THE INNER LINER TO THE HARD DUCT THEN ATTACH WITH TWO NYLON TIE WRAPS, ONE FOR THE INNER LINER AND ONE FOR THE OUTER SHELL. FOLD THE OUTER SHELL INSIDE ITSELF SO IT HAS NEAT EDGES PRIOR TO TIE WRAPPING.
 - "SMARTFLOW" ELBOW (WWW.HARTANDCOOLEY.COM) AND "FLEXRIGHT" (WWW.TITUS-HVAC.COM) ARE ACCEPTABLE PRODUCTS FOR DURABLE ELBOW SUPPORT.

7 AIR TERMINAL - DIFFUSER FLEX LOW PROFILE ELBOW
12" = 1'-0"

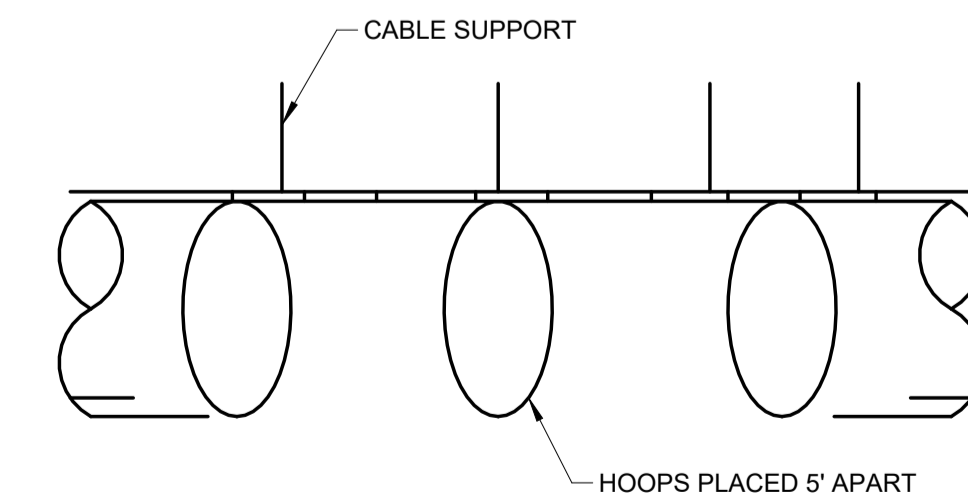


- NOTES:**
- INSTALLED AT ZIPPER LOCATION AT INLET OR AS SPECIFIED IN OTHER LOCATION. ZIPPER TO ZIPPER CONNECTION AS SHOWN. EXTERNAL LABEL IDENTIFIES LOCATION

8 ADJUSTABLE FLOW DEVICE (AFD)
NO SCALE



9 INLET ATTACHMENT DETAIL
NO SCALE



- NOTES:**
- VIEW OF INTERIOR OF DUCTSOX WITH HOOPS (IHS) HANGING

10 CUT AWAY VIEW OF HOOPS (IHS)
NO SCALE



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ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: KAIAH
DRAWN: IMEG
CHECK: MATKAH

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DETAILS

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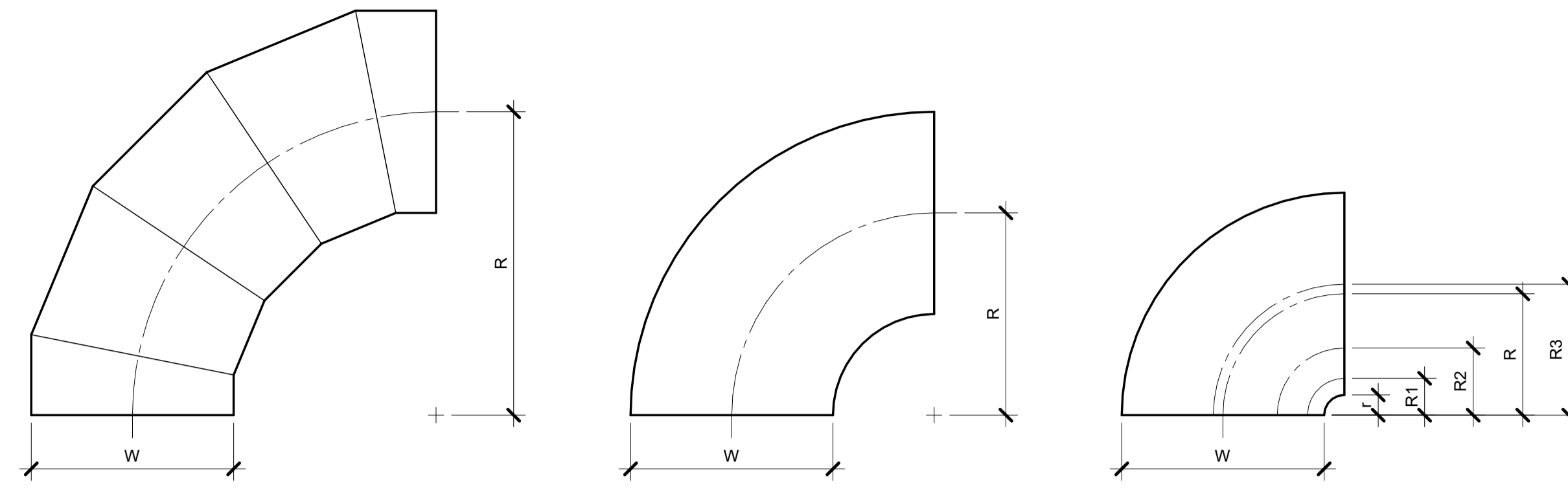
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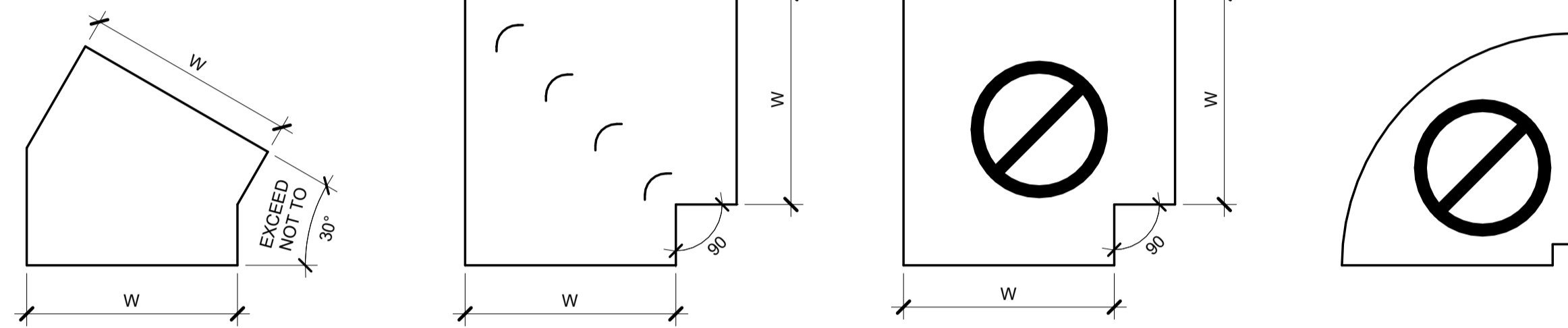


OVAL / ROUND RADIUS ELBOW SMOOTH OR 5 GORE (MINIMUM) TYPE RE1
R/W = 1.5 (MINIMUM)

RECTANGULAR RADIUS ELBOW TYPE RE1
R/W = 1.0 (MINIMUM)
R/W < 1.0 SHALL BE TYPE RE3

RECTANGULAR RADIUS ELBOW WITH VANES TYPE RE3

REFER TO SMACNA HVAC SYSTEMS DUCT DESIGN MANUAL, FOURTH EDITION, SECTION 5.14 "SPLITTER VANES" AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS, THIRD EDITION, FIGURES 4-2 AND 4-9 AND CHARTS 4-1 AND 4-1M. ELBOW SHALL HAVE THREE SPLITTER VANES AND r/W = 0.10 (R/W = 0.60) UNLESS NOTED OTHERWISE.



RECTANGULAR MITERED ELBOW TYPE RE6

RECTANGULAR MITERED ELBOW WITH VANES TYPE RE2

RECTANGULAR / OVAL / ROUND MITERED ELBOW WITHOUT VANES TYPE RE4

RECTANGULAR RADIUS ELBOW WITH SQUARE THROAT
NOT ALLOWED

USE ONLY AS PART OF OFFSETS AND TRANSITIONS PER FIGURE 4-7 TYPE 2 OR AS SHOWN ON DRAWINGS. OFFSETS ABOVE 30° SHALL BE TYPE RE1.

NOTES:

1. BEAD, CROSSBREAK, AND REINFORCE FLAT SURFACES AS IN STRAIGHT DUCT.
2. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. DEFAULT ELBOW SHALL BE TYPE "RE1".
4. ELBOW TYPES SHALL BE INSTALLED AS SHOWN AND NOT BE SUBSTITUTED WITHOUT PERMISSION. EXCEPTION: RE1 OR RE3 MAY BE SUBSTITUTED FOR RE2.

1 DUCT - ELBOW CONSTRUCTION
NO SCALE

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Illinois Design Firm Registration #154-007637-0014
REF. SCALE IN INCHES PROJECT #23001165.00



HURST-ROSCHÉ, Inc.
PROFESSIONAL DESIGN NUMBER: 154-00298

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PH:618.998.0075

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SIGNATURE
04-23-2024
DATE
11-30-2025
LICENSE EXPIRES

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL, 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: KAIAASH
DRAWN: IMEG
CHECK: MATKAH

VENTILATION SCHEDULES

V-400

SCHEDULE GENERAL NOTES:

A. DISCONNECT AND CONTROLLER STARTER FURNISHED AND INSTALLED BY:
MFR = MANUFACTURER
EC = ELECTRICAL CONTRACTOR
MC = FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR
MFR/EC = FURNISHED LOOSE BY MANUFACTURER INSTALLED BY ELECTRICAL CONTRACTOR
ATC = AUTOMATIC TEMPERATURE CONTROL CONTRACTOR

B. DISCONNECT TYPE:
F = FUSED
NF = NON-FUSED
CB = CIRCUIT BREAKER

C. CONTROLLER STARTER TYPE:
FV = FULL VOLTAGE
WYE = WYE-DELTA
SS = SOLID STATE (SOFT START)
MS = MANUAL STARTER
VFD = VARIABLE FREQUENCY DRIVE
VFD/B = VARIABLE FREQUENCY DRIVE WITH BYPASS
ECM = ELECTRONICALLY COMMUTATED MOTOR

D. FAN RPM SHALL NOT EXCEED 110% OF SCHEDULED VALUE, WITH THE SCHEDULED WHEEL TYPE. SUBSTITUTION OF BI OR BIA FANS FOR FC IS ACCEPTABLE IF EFFICIENCY IS NOT LOWER.

E. NO EQUIPMENT SHALL BE SELECTED ABOVE 90% OF MOTOR NAME PLATE RATING.

F. MUST BE WITHIN +/- 10% OF SCHEDULED RPM.

G. CURB TYPE:
MFR = STANDARD CURB BY MANUFACTURER
GC = BY GENERAL CONTRACTOR
SAC = SOUND ATTENUATOR CURB
MC = BY MECHANICAL CONTRACTOR

AIR TERMINAL SCHEDULE

NOTES:
1. CONTRACTOR SHALL DETERMINE PROPER BORDER TYPE TO MATCH CEILING CONSTRUCTION.
2. REFER TO DRAWINGS FOR NECK SIZE. ALL BRANCH DUCTWORK TO AIR TERMINALS SHALL BE NECK SIZE UNLESS NOTED OTHERWISE.

TAG NAME	FACE SIZE (IN.) (NOTE 2)	TYPE	BORDER (NOTE 1)	MATERIAL	FINISH	VOLUME DAMPER REQUIRED	MANUFACTURER	MODEL	NOTES
CD-1	24x24	SQUARE PLAQUE	LAY-IN	STEEL	WHITE	NO	PRICE	SPD	
EG-1	INLET +2	45 DEGREE DEFLECTION	1 1/4"	STEEL	WHITE	NO	PRICE	530	
EG-2	24x24	PERFORATED FACE	LAY-IN	STEEL	WHITE	NO	PRICE	PDR	
RG-1	INLET +2	0 DEGREE DEFLECTION	1 1/4"	STEEL	WHITE	NO	PRICE	900	LONG BLADES HORIZONTAL
SG-1	INLET +2	DOUBLE DEFLECTION	1 1/4"	STEEL	WHITE	NO	PRICE	520	

DEDICATED OUTDOOR AIR UNIT (SPLIT - FIRST HALF)

NOTES:
1. PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13.
2. LAT LISTED IS AT LEAVING SIDE OF COOLING COIL.
3. PROVIDE SINGLE POINT POWER CONNECTION FOR UNIT.
4. PROVIDE A CONSTANT VOLUME SYSTEM WITH MANUFACTURER STANDARD CONTROLS TO CONTROL COOLING COIL AND REHEAT COIL TO MAINTAIN SPACE TEMPERATURE AND HUMIDITY SETPOINTS
5. PROVIDE WITH PHOTOELECTRIC TYPE DUCT SMOKE DETECTOR ON THE RETURN SIDE OF THE EQUIPMENT. PROVIDE SAMPLING TUBES AND MOUNTING HARDWARE TO MATCH DUCT TO WHICH IT IS ATTACHED. A REMOTE ALARM LED INDICATOR DEVICE SHALL BE PROVIDED WITH THE DUCT SMOKE DETECTOR. INSTALL PER IMC 606.
6. PROVIDE BACNET COMPATIBLE CONTROL BOARD FOR FUTURE CONNECTION TO CAMPUSWIDE COMMUNICATION SYSTEM
7. PROVIDE WITH VARIABLE SPEED COMPRESSORS.

TAG NAME	SUPPLY FAN								EXHAUST FAN				HEATING COIL - NATURAL GAS				COOLING COIL - DX (NOTE 2)				NOTES									
	NO. OF FANS	CFM TOTAL	MIN. CFM	EXT. S.P.	RPM (NOTE D)	BHP EACH (NOTE E)	MHP EACH (NOTE E)	SUPPLY BY (NOTE A)	SUPPLY TYPE (NOTE C)	NO. OF FANS	CFM TOTAL	MIN. CFM	EXT. S.P.	RPM (NOTE D)	BHP EACH (NOTE E)	MHP EACH (NOTE E)	EXHAUST BY (NOTE A)	EXHAUST TYPE (NOTE C)	EAT °F DB	MIN LAT DB		TURNDOWN	TOTAL MBH	MAX. A.P.D. IN. W.C.	EAT °F DB	EAT °F WB	MAX. LAT °F DB	LAT °F WB	TOTAL MBH	MAX. A.P.D. IN. W.C.
DOAS-1	1	3000	3000	1.50	2054	2.03	3	MFR	VFD	1	2800	2800	1.00	1872	1.57	2	MFR	VFD	47.6	90.0	10:1	243	0.12	81.1	69.6	50.4	50.2	168.2	0.37	NOTE 2,3,4,5,6,7

DEDICATED OUTDOOR AIR UNIT (SPLIT - SECOND HALF)

NOTES:
1. PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13.
2. LAT LISTED IS AT LEAVING SIDE OF COOLING COIL.
3. PROVIDE SINGLE POINT POWER CONNECTION FOR UNIT.
4. PROVIDE A CONSTANT VOLUME SYSTEM WITH MANUFACTURER STANDARD CONTROLS TO CONTROL COOLING COIL AND REHEAT COIL TO MAINTAIN SPACE TEMPERATURE AND HUMIDITY SETPOINTS
5. PROVIDE WITH PHOTOELECTRIC TYPE DUCT SMOKE DETECTOR ON THE RETURN SIDE OF THE EQUIPMENT. PROVIDE SAMPLING TUBES AND MOUNTING HARDWARE TO MATCH DUCT TO WHICH IT IS ATTACHED. A REMOTE ALARM LED INDICATOR DEVICE SHALL BE
6. PROVIDED WITH THE DUCT SMOKE DETECTOR. INSTALL PER IMC 606.
7. PROVIDE WITH VARIABLE SPEED COMPRESSORS.

TAG NAME	ENERGY RECOVERY WHEEL										FILTER		ELECTRICAL (NOTE 1)										SCCR	MANUFACTURER	MODEL	NOTES					
	OUTDOOR AIR					EXHAUST AIR					FINAL FILTER TYPE	PRE - FILTER TYPE	DISCONNECT(S)					CONTROLLER/ STARTER(S)													
	SUMMER		WINTER			SUMMER		WINTER					BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	TYPE (NOTE C)	BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	TYPE (NOTE C)											
	EAT °F DB	EAT °F WB	LAT °F DB	EAT °F DB	EAT °F WB	LAT °F DB	EAT °F DB	EAT °F WB	LAT °F DB	EAT °F WB	LAT °F DB	APD									CFM	EAT °F DB					EAT °F WB	LAT °F DB	APD		
DOAS-1	3,000	96.5	77.4	81.5	69.6	-3	-4	47.6	37.1	0.88	2,800	75	63	70	53	0.88	MERV 13	MERV 8	208	3	74.5	80.8	100	MFR	NF	MFR	CB	25000	TRANE	OADG015F1	NOTE 2,3,4,5,6,7

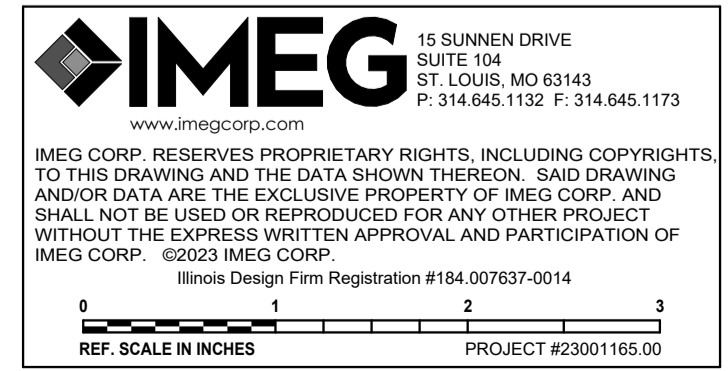
UNIT HEATER SCHEDULE - ELECTRIC

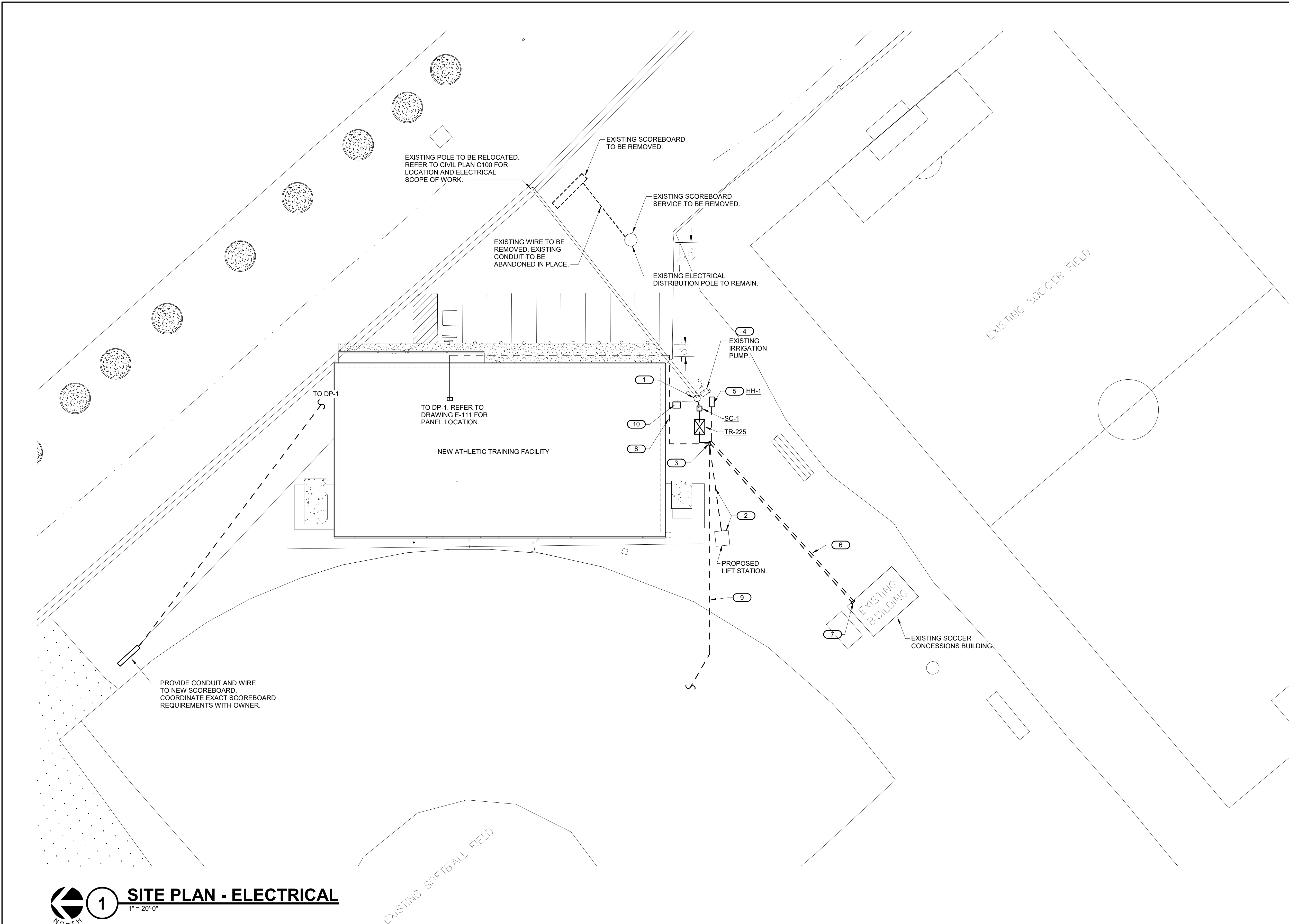
TAG NAME	AREA SERVED	TYPE	CFM	EAT °F	LAT °F	NUMBER OF STAGES	KW	ELECTRICAL										CONTROL	MANUFACTURER	MODEL	NOTES
								DISCONNECT		CONTROLLER/ STARTER		VOLTAGE	PHASES	FLA	BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)				
EW-105	CONCESSION	WALL	245	72.0	110.0	1	5	208	1	24.1	MFR							NF	MFR	10000	UNIT MOUNT THERMOSTAT
EW-106	RESTROOM	WALL	245	72.0	110.0	1	5	208	1	24.1	MFR	NF	MFR	10000	UNIT MOUNT THERMOSTAT	TRANE	UHWA	SURFACE MOUNT, HEAVY DUTY GRILLE			
EW-107	RESTROOM	WALL	245	72.0	110.0	1	5	208	1	24.1	MFR	NF	MFR	10000	UNIT MOUNT THERMOSTAT	TRANE	UHWA	SURFACE MOUNT, HEAVY DUTY GRILLE			
EW-108	MECHANICAL	WALL	245	72.0	110.0	1	5	208	1	24.1	MFR	NF	MFR	10000	UNIT MOUNT THERMOSTAT	TRANE	UHWA	SURFACE MOUNT, HEAVY DUTY GRILLE			

AIR HANDLING SCHEDULE

NOTES:
1. LAT IS LISTED AT DISCHARGE OF AHU.
2. PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13.
3. PROVIDE WITH FULL ECONOMIZER, HAIL GUARDS, AND SINGLE POINT POWER CONNECTION.
4. PROVIDE WITH VARIABLE SPEED COMPRESSOR.
5. UNIT INTERNAL STATIC PRESSURE TO ACCOUNT FOR A MINIMUM OF A PARTIALLY LOADED FILTER.
6. PROVIDE WITH INTEGRAL UNIT CONTROLLER TO PROVIDE SINGLE ZONE VAV OPERATION WITH CO2 BASED OUTSIDE AIR CONTROL
7. PROVIDE BACNET COMPATIBLE CONTROL BOARD FOR FUTURE CONNECTION TO CAMPUSWIDE COMMUNICATION SYSTEM
8. PROVIDE A SINGLE ZONE VAV USING MANUFACTURER STANDARD ONBOARD CONTROLS
9. PROVIDE WITH PHOTOELECTRIC TYPE DUCT SMOKE DETECTOR ON THE RETURN SIDE OF THE EQUIPMENT. PROVIDE SAMPLING TUBES AND MOUNTING HARDWARE TO MATCH DUCT TO WHICH IT IS ATTACHED. A REMOTE ALARM LED INDICATOR DEVICE SHALL BE PROVIDED WITH THE DUCT SMOKE DETECTOR. INSTALL PER IMC 606.

TAG NAME	AREA SERVED	SUPPLY FAN (NOTE 2)						CO2 MINIMUM OUTSIDE AIR CFM	DESIGN OUTSIDE AIR CFM	ELECTRICAL						HEATING - GAS				COOLING COIL					FILTER		MANUFACTURER	MODEL	NOTES						
		NO. OF FANS	CFM TOTAL	EXT. S.P.	TYPE	RPM (NOTE D)	MHP EACH (NOTE E)			DISCONNECT(S)		CONTROLLER STARTER(S)		MINIMUM EFFICIENCY AFUE	MINIMUM OUTPUT MBH	TURN DOWN/STEPS	GAS PRESSURE IN. W.C.	EAT DB °F	EAT WB °F	LAT DB °F (NOTE 1)	LAT WB °F (NOTE 1)	TOTAL MBH	REFRIGERANT	EER	IEER	TYPE				MAXIMUM FACE VELOCITY					
AHU-1	PRACTICE AREA 101	2	7500	1.5	PLENUM	1530	3	300	2300	208	3	150	109A														MFR	CB	MFR		VFD	65000	80	324	2





- KEYNOTES: #**
- EXISTING UTILITY POLE TO REMAIN. UTILIZE FOR NEW SERVICE. LOADS ON EXISTING POLE ASSOCIATED WITH THE SOCCER FIELD SHALL BE RELOCATED TO THE EXISTING SOCCER BUILDING. OTHER LOADS WILL BE RELOCATED TO NEW BUILDING ASSOCIATED WITH THIS PROJECT. FOR THE PURPOSES OF PRICING, BASE ON CONNECTION OF A TOTAL OF EIGHT (8) 20A/1P BRANCH CIRCUITS, INCLUSIVE OF NEW CONDUIT AND WIRING. REFER TO DRAWING E-300 FOR DETAILS.
 - PROVIDE NEW FEEDER FROM PANEL ODP TO NEW LIFT STATION. PROVIDE NEW 60A-3PHASE NON-FUSED NEMA3R DISCONNECT SWITCH FOR LIFT STATION. PROVIDE 3/8" & 1#10GRD IN 3/4" C TO FEED LIFT STATION.
 - PROVIDE NEW PANEL ODP IN A NEMA 3R ENCLOSURE. PROVIDE CONCRETE PAD AND GALVANIZED UNISTRUT TO SUPPORT PANEL. PROVIDE NEW FEEDER TO EXISTING IRRIGATION PUMP FROM PANEL DP-1.
 - PROVIDE A QUAZITE BOX TO CAPTURE EXISTING SOCCER FIELD LIGHTING CONDUITS THAT WERE FED FROM THE POLE MOUNTED PANEL BEING REMOVED. (7) 1" CONDUITS WITH 2#10 AND 1#10G.
 - PROVIDE (7) NEW CONDUITS AS REQUIRED FROM QUAZITE BOX TO ROUTE CAPTURED FIELD LIGHTING CIRCUITS TO NEW PANEL C-1.
 - REPLACE EXISTING PANEL IN SOCCER BUILDING WITH NEW PANEL C-1. RECONNECT EXISTING LOADS AND CONNECT EXTENDED SOCCER FIELD LIGHTING CIRCUITS.
 - PROVIDE NEW FEEDER FROM ODP TO NEW ATHLETIC TRAINING FACILITY PANEL DP-1.
 - EXISTING FEEDER TO GIRLS SOFTBALL BUILDING TO BE REFEED FROM ODP. INTERCEPT EXISTING 504-2POLE CIRCUIT FROM PANEL REMOVED FROM POLE. MODIFY AND EXTEND AS NECESSARY TO NEW PANEL ODP. GIRLS SOFTBALL BUILDING IS APPROXIMATELY 200 FEET AWAY.
 - PROVIDE EXTERIOR HANDHOLE STRUCTURE TO 4" CONDUIT ROUTED UP TO 2ND FLOOR OWNER'S NETWORK SWITCH LOCATION. SEE CIVIL FOR ADDITIONAL INFORMATION. ROUTE CONDUIT TO AVOID SLAB EDGE. SLAB EDGE DEPTH IS -3'-0". REFER TO DRAWING E-111 FOR CONDUIT CONTINUATION.

1 SITE PLAN - ELECTRICAL
1" = 20'-0"



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SIGNATURE
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LICENSE EXPIRES

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272

DESIGN: RLM	DRAWN: RLM	CHECK: MTH
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SITE PLAN - ELECTRICAL

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E-001



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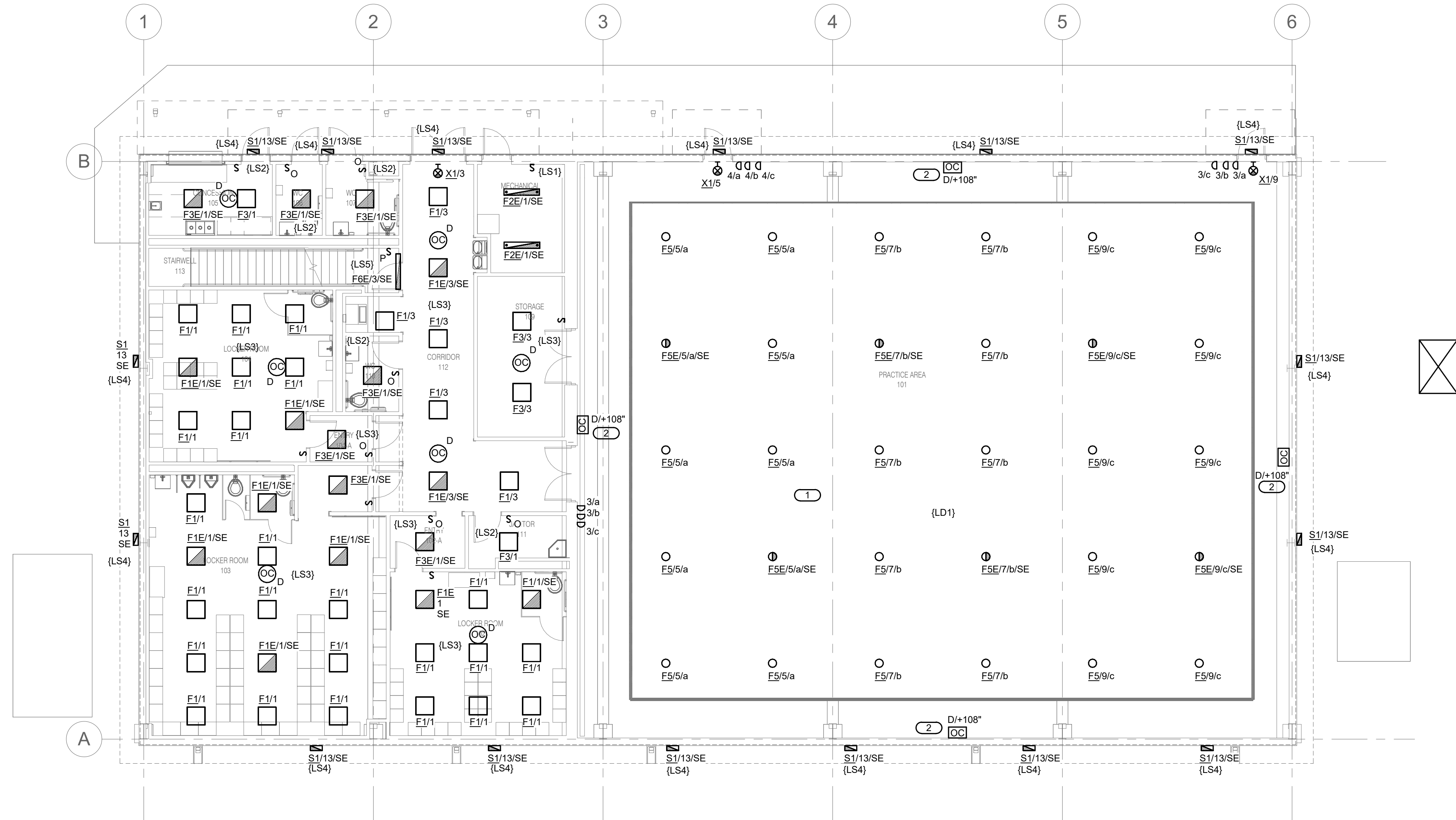
MARK	DATE	DESCRIPTION

FLOOR PLAN -
ELECTRICAL
LIGHTING

E-101

- GENERAL NOTES:**
- ALL BRANCH CIRCUITS ARE SERVED FROM PANEL "P1" UNLESS OTHERWISE NOTED.
 - COORDINATE LUMINAIRE F2E IN MECHANICAL ROOM WITH DUCTWORK, PIPING AND ANY MECHANICAL EQUIPMENT. PROVIDE LUMINAIRE WITH CHAINS OR HANGER KIT WHERE REQUIRED. BOTTOM OF FIXTURE TO ALIGN WITH BOTTOM OF NEAREST BEAM/TRUSS. COORDINATE MOUNTING PRIOR TO ORDERING LUMINAIRES.
 - COORDINATE ALL LUMINAIRE LOCATIONS WITH STRUCTURAL TRUSS AND BEAMS PRIOR TO ROUGH-IN.
 - HALF SHADED FIXTURE INDICATE SWITCHED LUMINAIRES FOR EGRESS LIGHTING CONNECTED TO PANEL AS NOTED.
 - WHERE LUMINAIRE QUANTITIES OR LAYOUT DIFFER BETWEEN ELECTRICAL LIGHTING PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS, HIGHER QUANTITY SHALL TAKE PRECEDENCE. CONTRACTOR SHALL CONFIRM QUANTITY AND LAYOUT WITH DESIGN TEAM.

- KEYNOTES:** (#)
- THE STRUCTURE IN THIS AREA IS SLOPED. SUSPENSION KITS FOR LUMINAIRES IN THIS AREA WILL VARY PER CEILING ORIENTATION. COORDINATE WITH STRUCTURAL CONTRACTOR FOR BEAM LOCATIONS IN RELATION TO SUSPENDED MOUNTED LIGHT FIXTURES.
 - PROVIDE WALL MOUNTED OCCUPANCY SENSOR TO TURN ALL LIGHTS OFF IN THE PRACTICE AREA AFTER 15 MINUTES OF VACANCY.



1 FLOOR PLAN - ELECTRICAL LIGHTING
1/8" = 1'-0"

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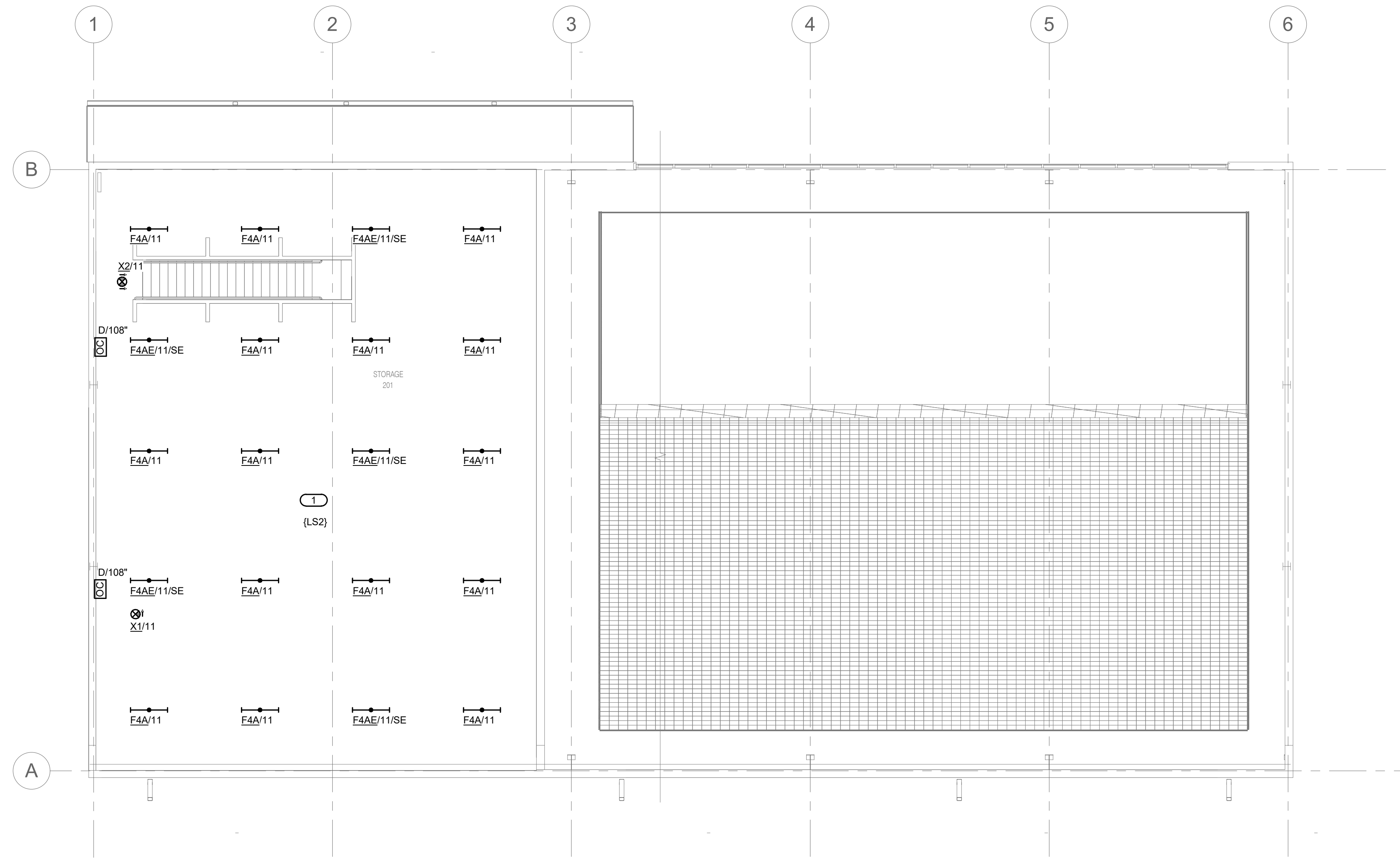
MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: RLM DRAWN: RLM CHECK: MTH

STORAGE PLAN - ELECTRICAL LIGHTING
E-102

- GENERAL NOTES:**
- ALL BRANCH CIRCUITS ARE SERVED FROM PANEL "P1" UNLESS OTHERWISE NOTED.
 - COORDINATE ALL LUMINAIRE LOCATIONS WITH STRUCTURAL TRUSS AND BEAMS PRIOR TO ROUGH-IN.
 - WHERE LUMINAIRE QUANTITIES OR LAYOUT DIFFER BETWEEN ELECTRICAL LIGHTING PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS, HIGHER QUANTITY SHALL TAKE PRECEDENCE. CONTRACTOR SHALL CONFIRM QUANTITY AND LAYOUT WITH DESIGN TEAM.

- KEYNOTES: (#)**
- THE STRUCTURE IN THIS AREA IS SLOPED. COORDINATE WITH STRUCTURAL CONTRACTOR FOR BEAM LOCATIONS IN RELATION TO SURFACE MOUNTED LIGHT FIXTURES. LIGHT FIXTURES IN THIS AREA ARE CONTROLLED BY A PILOT LIT SWITCH AT THE BOTTOM OF THE STAIRWELL. REFER TO DRAWING E-101.



1 STORAGE PLAN - ELECTRICAL LIGHTING
1/8" = 1'-0"



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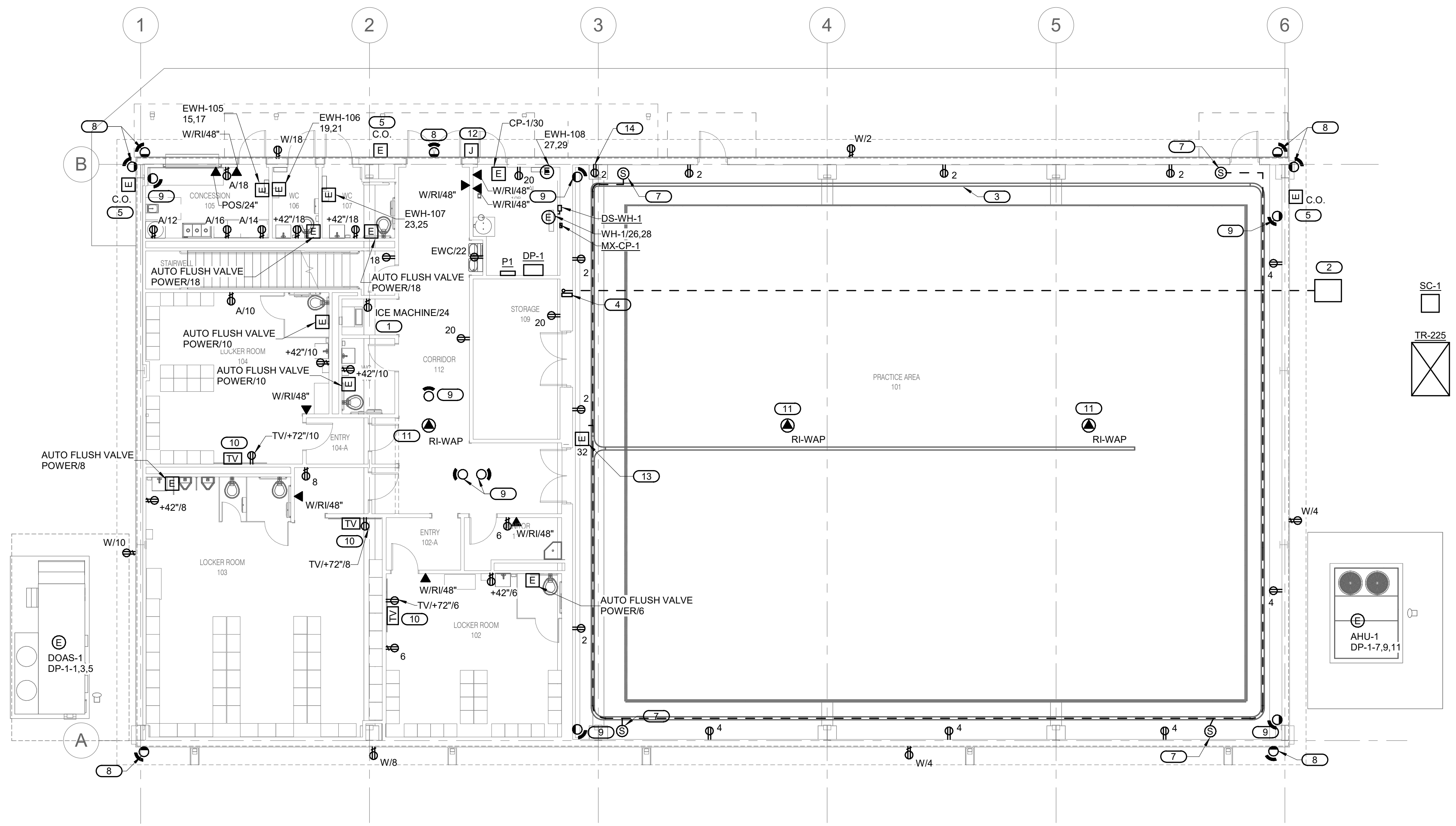
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DESIGN: RLM DRAWN: RLM CHECK: MTH

FLOOR PLAN -
ELECTRICAL POWER

E-111

KEYNOTES: #

- LOCATE RECEPTACLE SO THAT IT IS FULLY ACCESSIBLE OR PROVIDE A GFCI CIRCUIT BREAKER.
- PROVIDE 4" CONDUIT BELOW GRADE FROM EXTERIOR HANDHOLE STRUCTURE TO 4" CONDUIT ROUTED UP TO 2ND FLOOR OWNER'S NETWORK SWITCH LOCATION. SEE CIVIL FOR ADDITIONAL INFORMATION.
- PROVIDE SMALL PROFILE (2" H X 4" W) CABLE TRAY SYSTEM. COORDINATION INSTALLATION HEIGHT WITH OWNER AND SYSTEMS BEING INSTALLED.
- PROVIDE RATED WALL PENETRATION FROM CABLE MANAGEMENT SYSTEM TO 2ND FLOOR OWNER'S NETWORK SWITCH LOCATION. REFER TO DRAWING E-300 DETAIL #3.
- EXTERIOR SIGN LOCATIONS: PROVIDE 20A DEDICATED CIRCUIT AND WALL BACKING AT EACH PROPOSED SIGN LOCATION FOR FUTURE USE BY OWNER'S VENDOR PROVIDED OWNER'S VENDOR INSTALLED SIGNAGE. COORDINATE FINAL LOCATIONS AND HEIGHTS WITH OWNER PRIOR TO INSTALLATION.
- NOT USED.
- SPEAKER LOCATIONS: SINGLE GANG BOX AND ASSOCIATED CONDUIT TO RECEIVER LOCATION. +/- 12" AFF. COORDINATE WITH OWNER'S REP ON FINAL LOCATION OF SPEAKERS PRIOR TO ROUGH-IN.
- EXTERIOR CAMERAS: +/- 10" - 12" AFF. COORDINATE WITH A/E OR OWNER'S REP ON FINAL LOCATION OF EXTERIOR CAMERAS.
- INTERIOR CAMERAS: +/- 9" AFF. COORDINATE WITH OWNER'S REP ON FINAL MOUNTING HEIGHT OF INTERIOR CAMERAS IN ROOM 101.
- TELEVISION LOCATIONS: DOUBLE GANG BOX WITH TWO SEPARATE 1" CONDUITS TO BOX. FINAL HEIGHT TO BE COORDINATED WITH OWNER DURING CONSTRUCTION.
- ACCESS POINT LOCATIONS: CEILING MOUNTED LOCATIONS. CONDUIT FROM PRACTICE AREA LOCATION SHOWN TO ABOVE CEILING AREA JUST EAST OF WEIGHT AREA.
- ACCESS CONTROL ROUGH-IN BACK BOX WITH EXTERIOR GRADE COVER PLATE AND CONDUIT TO ABOVE CEILING FOR OWNER'S FUTURE USE.
- PROVIDE POWER, BACK BOXES, CONDUIT, SUPPORT AS NEEDED FOR SMALL ELECTRONIC SCOREBOARD, HIGH VISIBLE CLOCK, AND TIMER TYPE CLOCK WITH BUZZER/ALARM (SEPARATE IF CLOCK AND TIMER NOT BUILT-IN TOGETHER) IN PRACTICE AREA. COORDINATE WITH OWNER'S REP TO DETERMINE ITEMS TO BE INSTALLED.
- AUDIO SYSTEM RECEIVER LOCATION: SINGLE GANG BOX AND ASSOCIATED CONDUIT TO SPEAKER LOCATIONS. PROVIDE DUPLEX RECEPTACLE FOR AUDIO DEVICE TO PLUG INTO. COORDINATE WITH OWNER'S REP ON FINAL LOCATION OF SHELF SYSTEM FOR AUDIO RECEIVER. COORDINATE HEIGHT WITH SWITCHES AND ADA REQUIREMENTS. COORDINATION WITH OWNER'S REP ON WHETHER THIS SYSTEM WILL BE WITHIN OR ABOVE FRAMED OUT WALL CUBBY OR SHELF SYSTEM. SHELF MOUNTED SYSTEM +34" AFF. LOCATE ON EAST WALL.



1 FLOOR PLAN - ELECTRICAL POWER
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0 1 2 3
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- KEYNOTES: #**
1. PROVIDE 4'X8' 3/4" FIRE RETARDANT PLYWOOD ATTACHED TO WALL AT PROPOSED OWNER'S NETWORK SWITCH LOCATION.
 2. LOCATION OF INTERSYSTEM BONDING FOR IT EQUIPMENT.



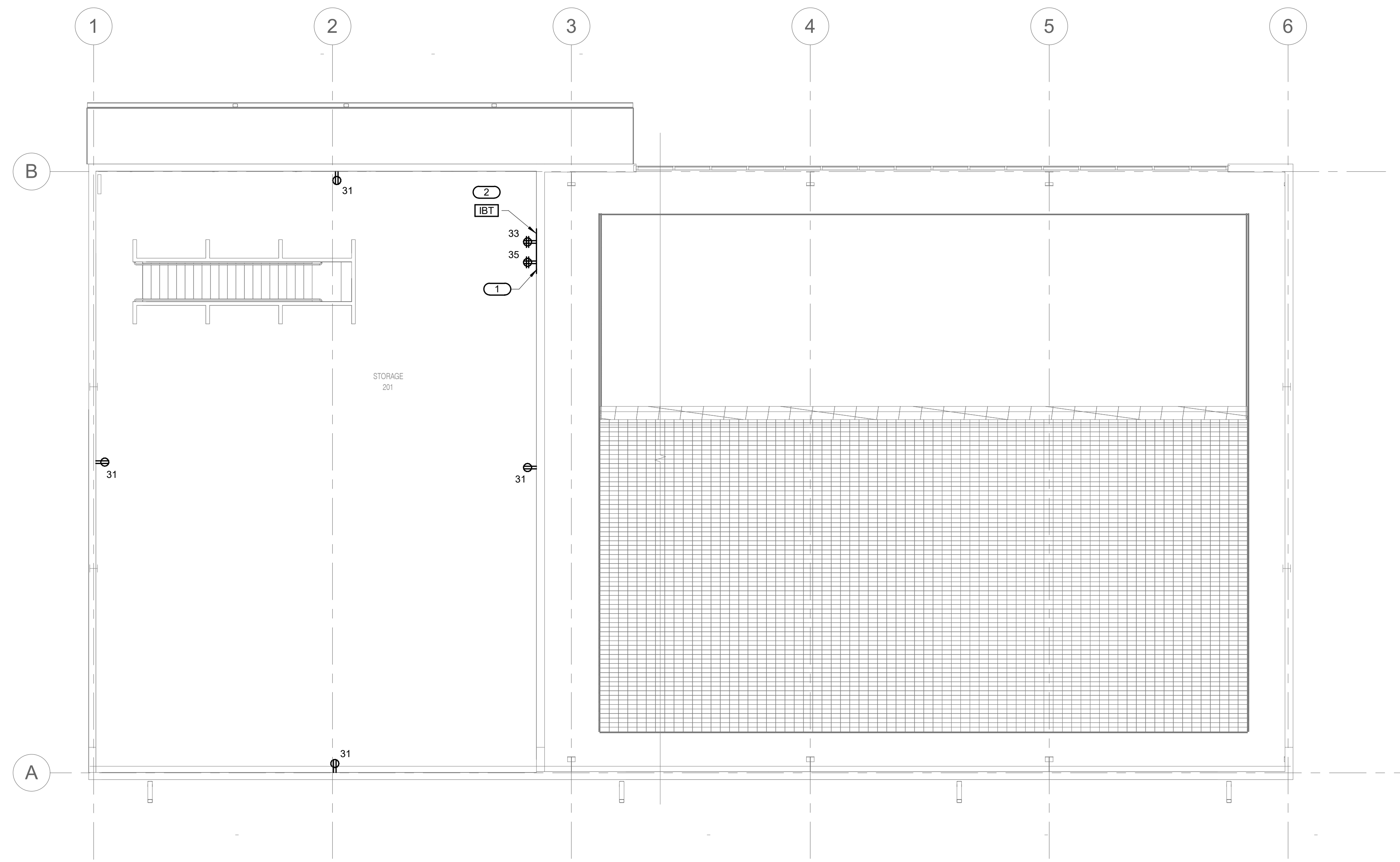
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SIGNATURE
04-23-2024
DATE
11-30-2025
LICENSE EXPIRES



1 STORAGE PLAN - ELECTRICAL POWER
1/8" = 1'-0"
NORTH

ATHLETIC TRAINING FACILITY
WABASH VALLEY COLLEGE
2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863
ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: RLM DRAWN: RLM CHECK: MTH

STORAGE PLAN - ELECTRICAL POWER

IMEG
15 SUNNEN DRIVE
SUITE 004
ST. LOUIS, MO 63143
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E-112



IRRIGATION PUMP ENCLOSURE

REMOVE EXISTING METERING CAN.

REMOVE EXISTING POLE MOUNTED PANEL.

REMOVE EXISTING POLE MOUNTED PANEL.

REMOVE PANEL MOUNTED RECEPTACLE.

REMOVE EXISTING SERVICE DISCONNECT.

BRANCH CIRCUITS TO BE REFEED FROM HANDHOLE TO NEW PANEL ODP.

1 DEMOLITION AT POLE - FRONT
NO SCALE



REMOVE EXISTING SERVICE DISCONNECT.

REMOVE POLE MOUNTED RECEPTACLE.

BRANCH CIRCUITS TO BE REFEED FROM HANDHOLE TO NEW PANEL ODP.

2 DEMOLITION AT POLE - SIDE VIEW
NO SCALE

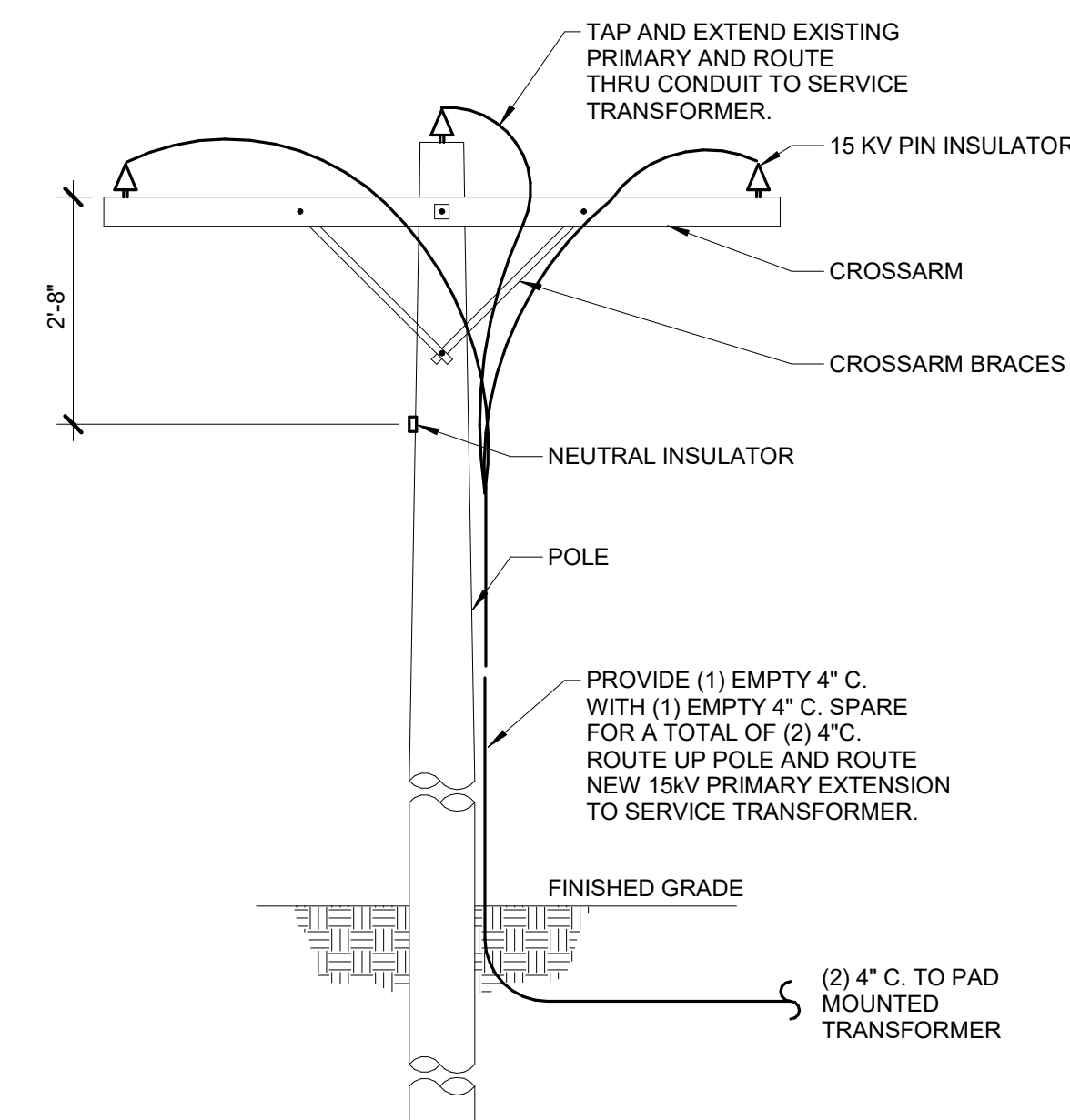


REMOVE POLE MOUNTED TRANSFORMER. PROTECT POLE AND EXISTING PRIMARY MV WIRE. PREPARE WIRE FOR EXTENSION.

REMOVE SERVICE TO DISCONNECT SWITCH BELOW.

REMOVE SERVICE TO METER CAN AND PANELBOARD BELOW.

3 DEMOLITION AT POLE - TOP VIEW
NO SCALE



4 OVERHEAD LINE POLE DETAIL
NO SCALE



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MARK	DATE	DESCRIPTION

DATE: 04-23-2024
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DESIGN: RLM DRAWN: RLM CHECK: MTH

ELECTRICAL DETAILS

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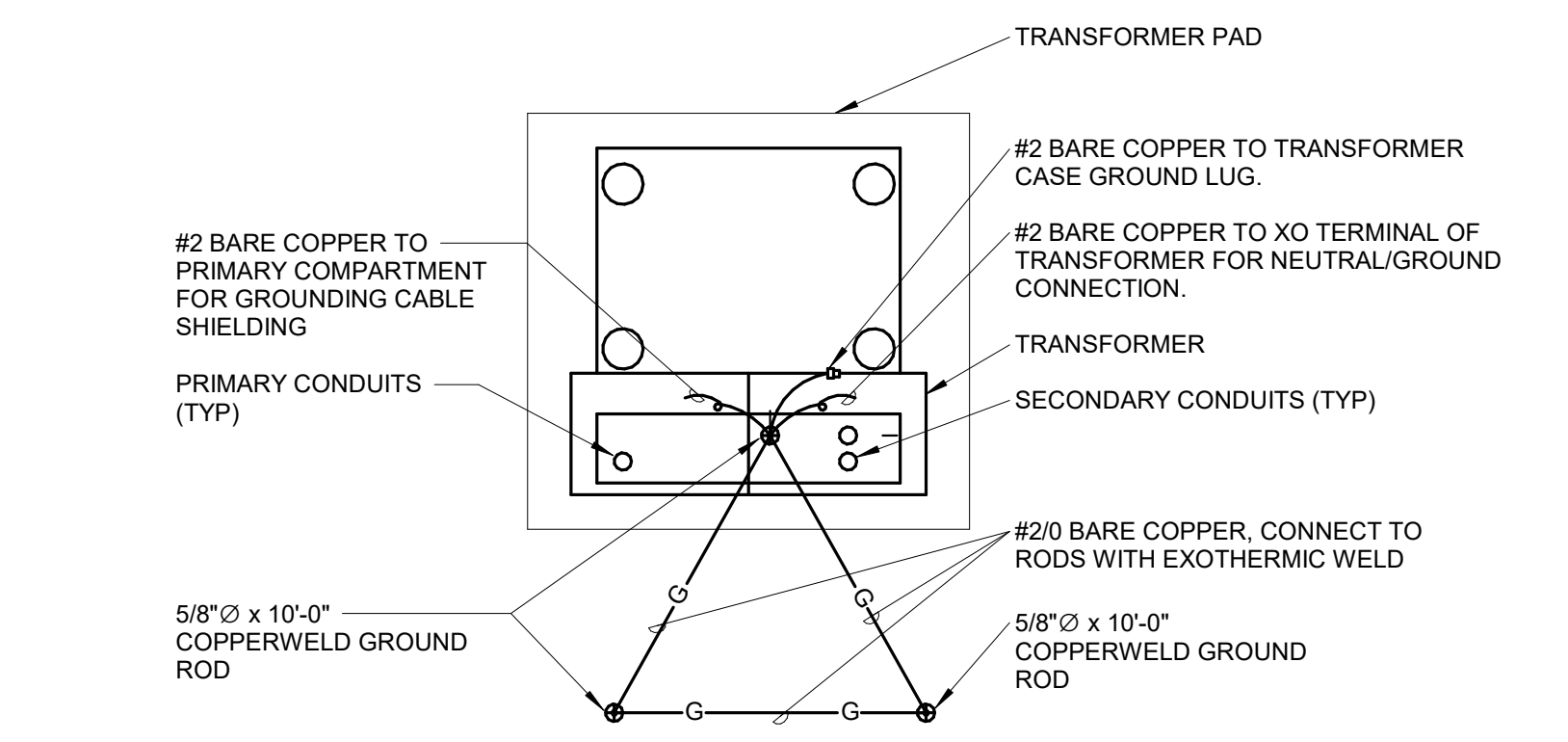
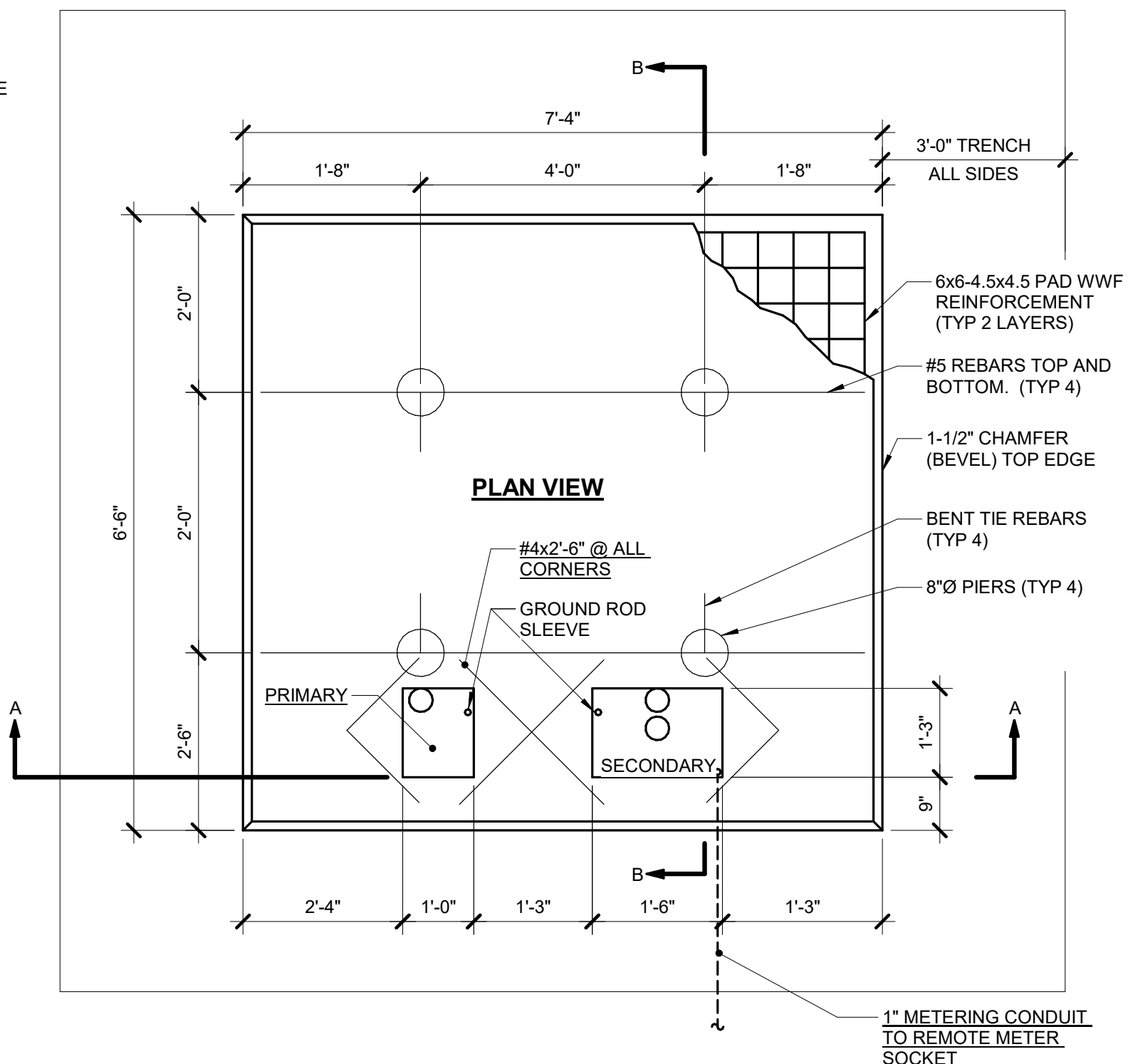
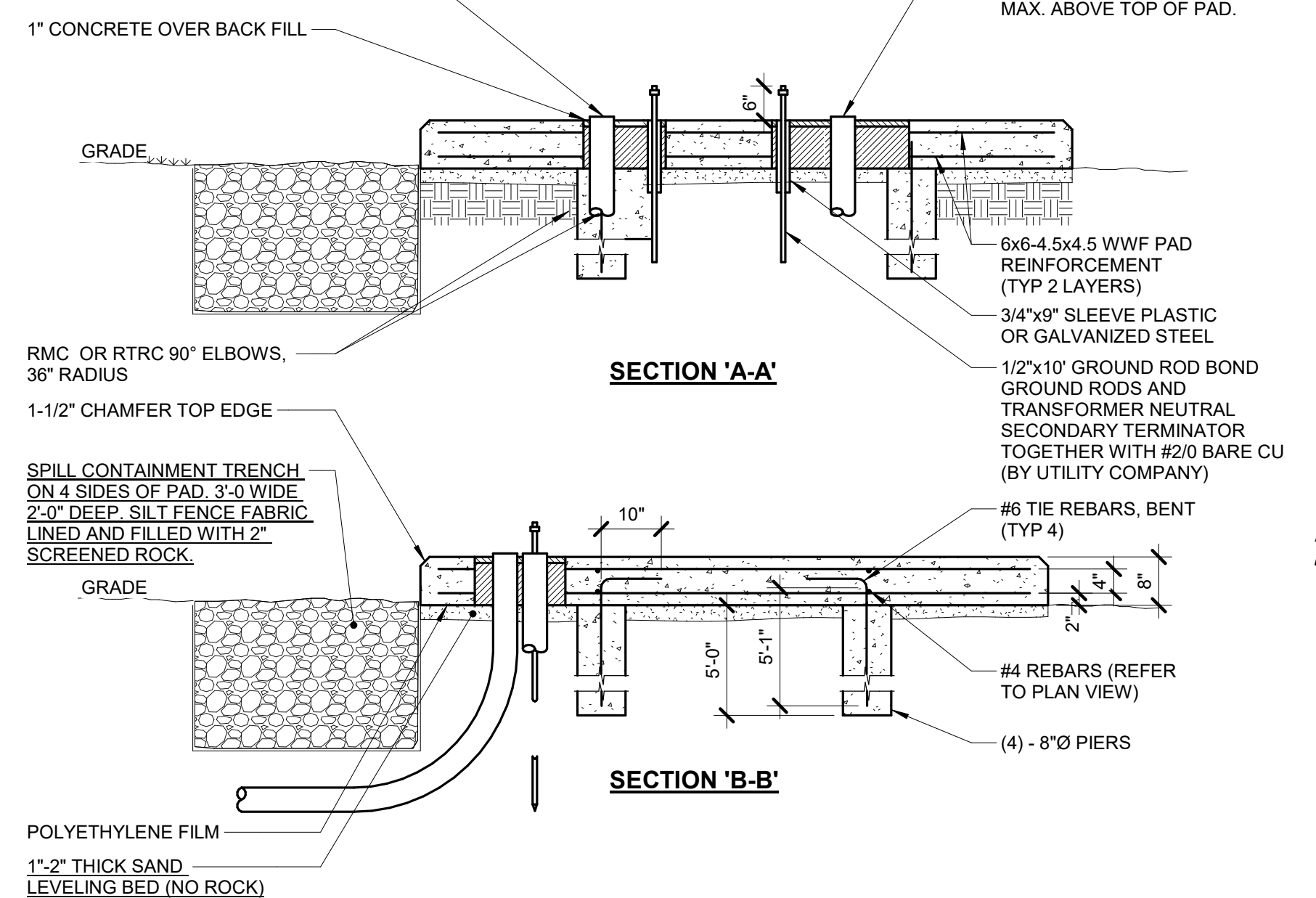
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0 1 2 3
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E-300

PRIMARY CONDUITS SHALL BE CENTERED ALONG BACK EDGE OF BOX-OUT. ALL CONDUITS SHALL EXTEND 1" MAX. ABOVE TOP OF PAD.

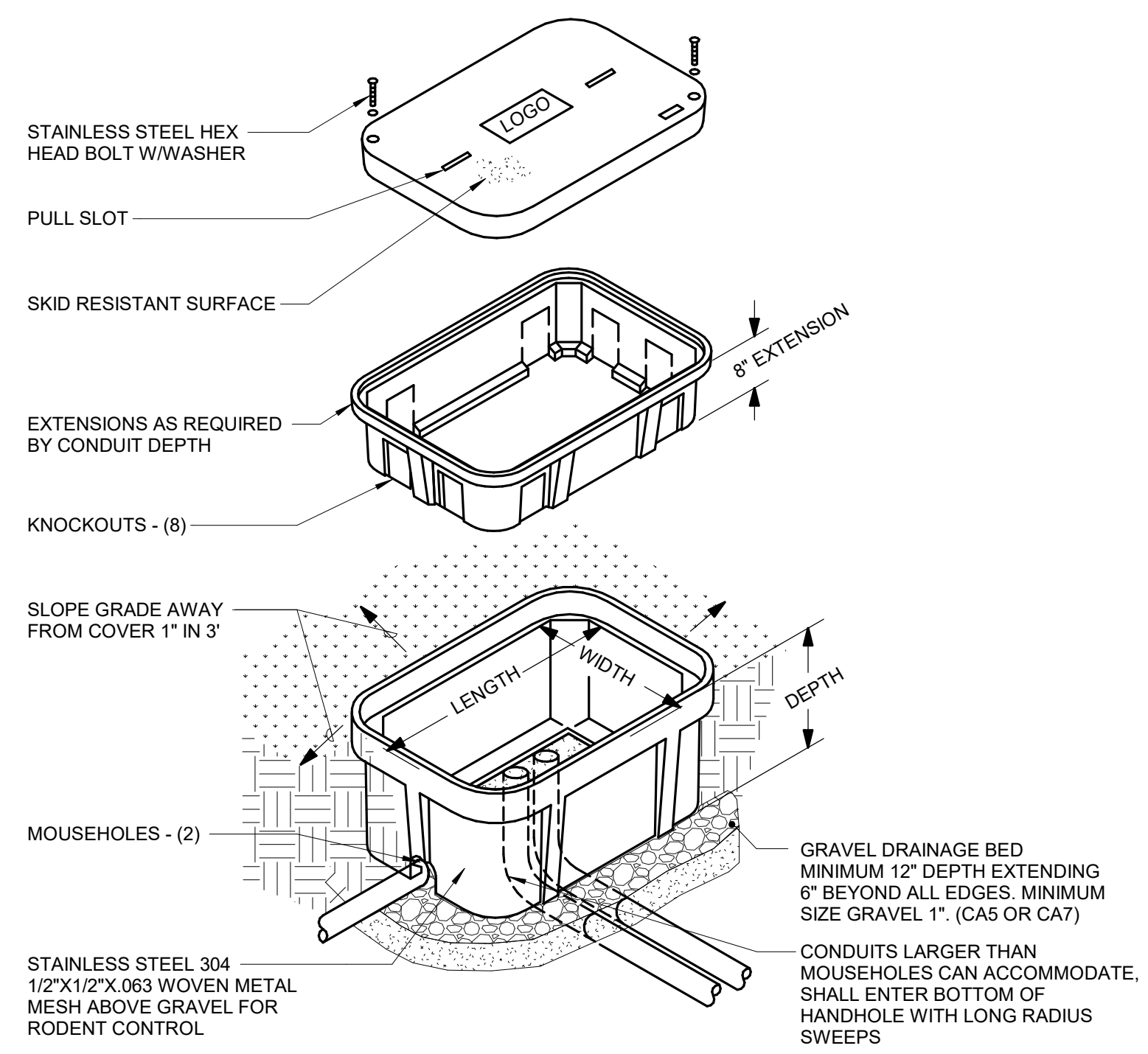
SECONDARY CONDUITS SHALL BE POSITIONED STARTING AT BACK EDGE OF THE BOX-OUT AND FILLING TOWARDS THE FRONT. ALL CONDUITS SHALL EXTEND 1" MAX. ABOVE TOP OF PAD.



2 PAD MOUNTED TRANSFORMER GROUNDING
NO SCALE

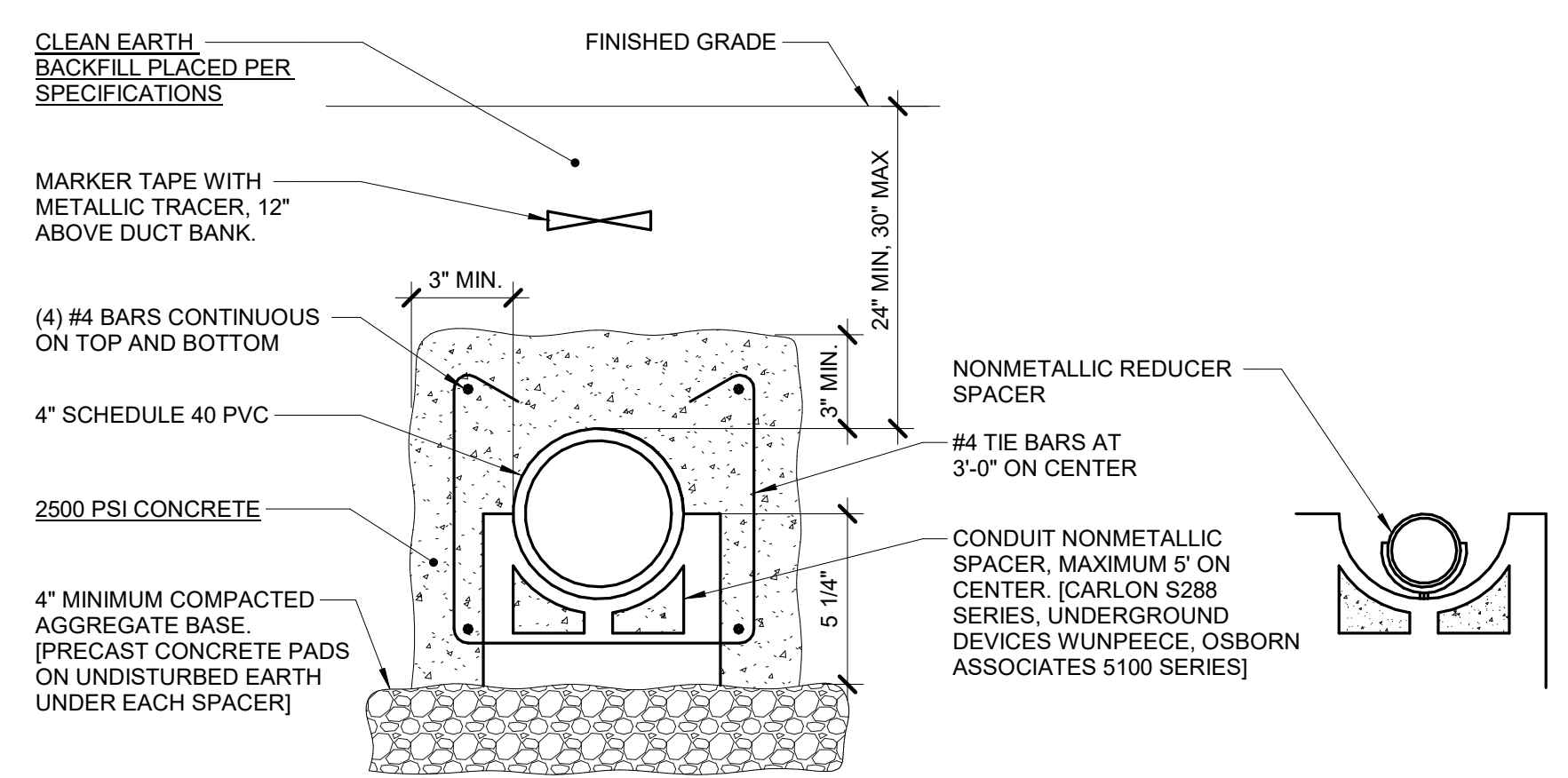
- NOTES:**
1. CONCRETE: $f_c \geq 3500$ PSI AT 28 DAYS.
 2. REINFORCING STEEL: ASTM A 615-60.
 3. 6x6-4.5x4.5 WELDED WIRE FABRIC (WWF): ASTM A 185.
 4. SOIL: ≥ 95 PERCENT PROCTOR DENSITY OR 55 PSI PBV.
 5. GENERAL CONTRACTOR TO PROVIDE TRANSFORMER PAD AS SHOWN. E.C. TO COORDINATE CONDUIT ROUGH-IN WITH G.C.
 6. VERIFY FINAL REQUIREMENTS AND DIMENSIONS WITH UTILITY COMPANY.

1 225kVA TRANSFORMER PAD DETAIL
NO SCALE



- NOTES:**
1. ALL DIMENSIONS ARE NOMINAL INSIDE CLEARANCES.
 2. ANY SPLICES OR DEVICES IN HANDHOLE SHALL BE SUBMERSIBLE.
 3. SEAL ALL CONDUIT ENDS WITH DUCTSEAL.

3 HANDHOLE DETAIL
NO SCALE



- NOTES:**
1. INSTALL 2000 lb TENSILE STRENGTH BRAIDED POLYPROPYLENE PULL CORD IN ALL CONDUITS.
 2. TRENCHING AND BACKFILL ACCORDING TO SPECIFICATIONS.
 3. MINIMUM OF 4'-0" CLEAR BETWEEN ADJACENT DUCTBANKS.
 4. DOWEL ENDS OF DUCTBANK TO FOUNDATION OR MANHOLE WITH A MINIMUM OF (4) #4 DOWELS.

4 DUCT BANK DETAIL (1x)
NO SCALE

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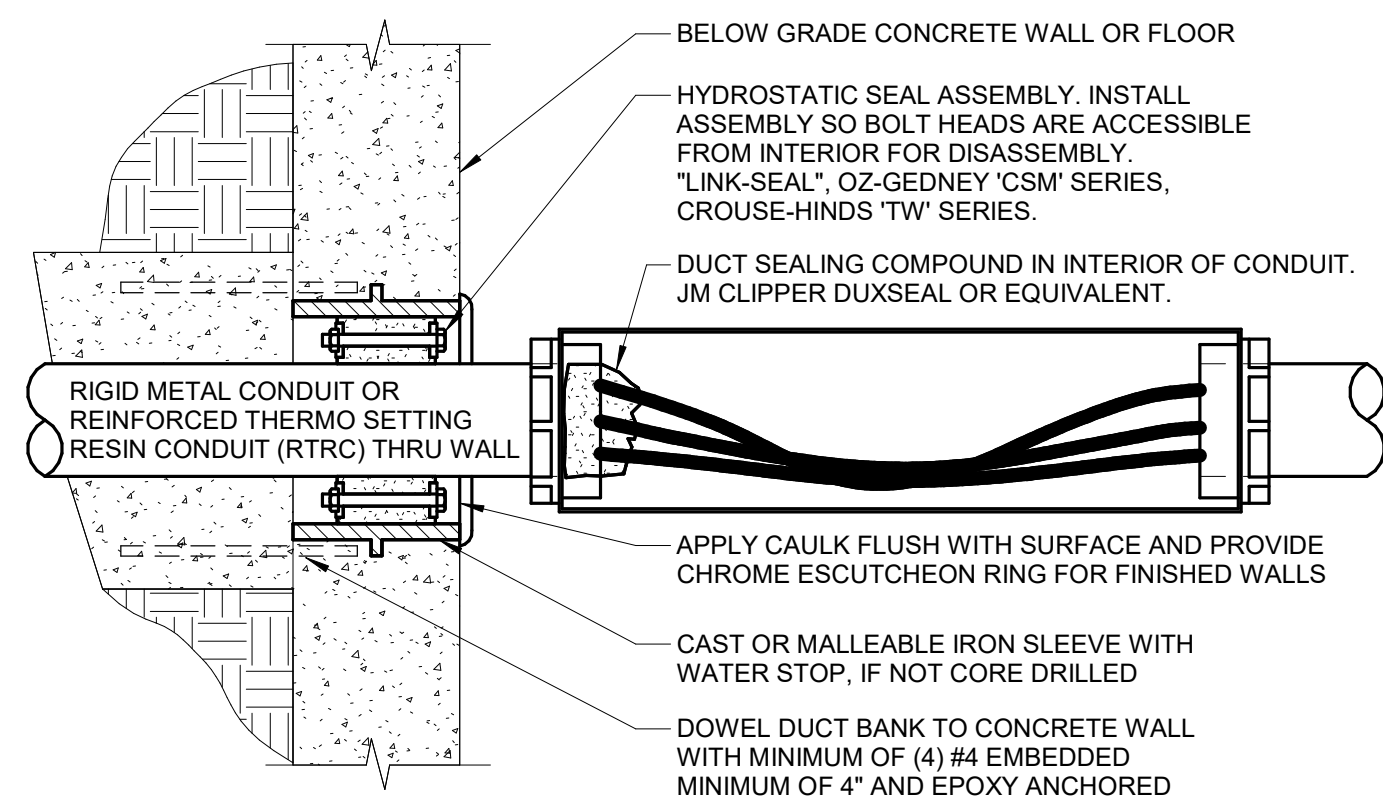
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MARK	DATE	DESCRIPTION

DATE: 04-23-2024
PROJECT NO: 395-3272
DESIGN: RLM DRAWN: MTH CHECK: MTH

ELECTRICAL DETAILS

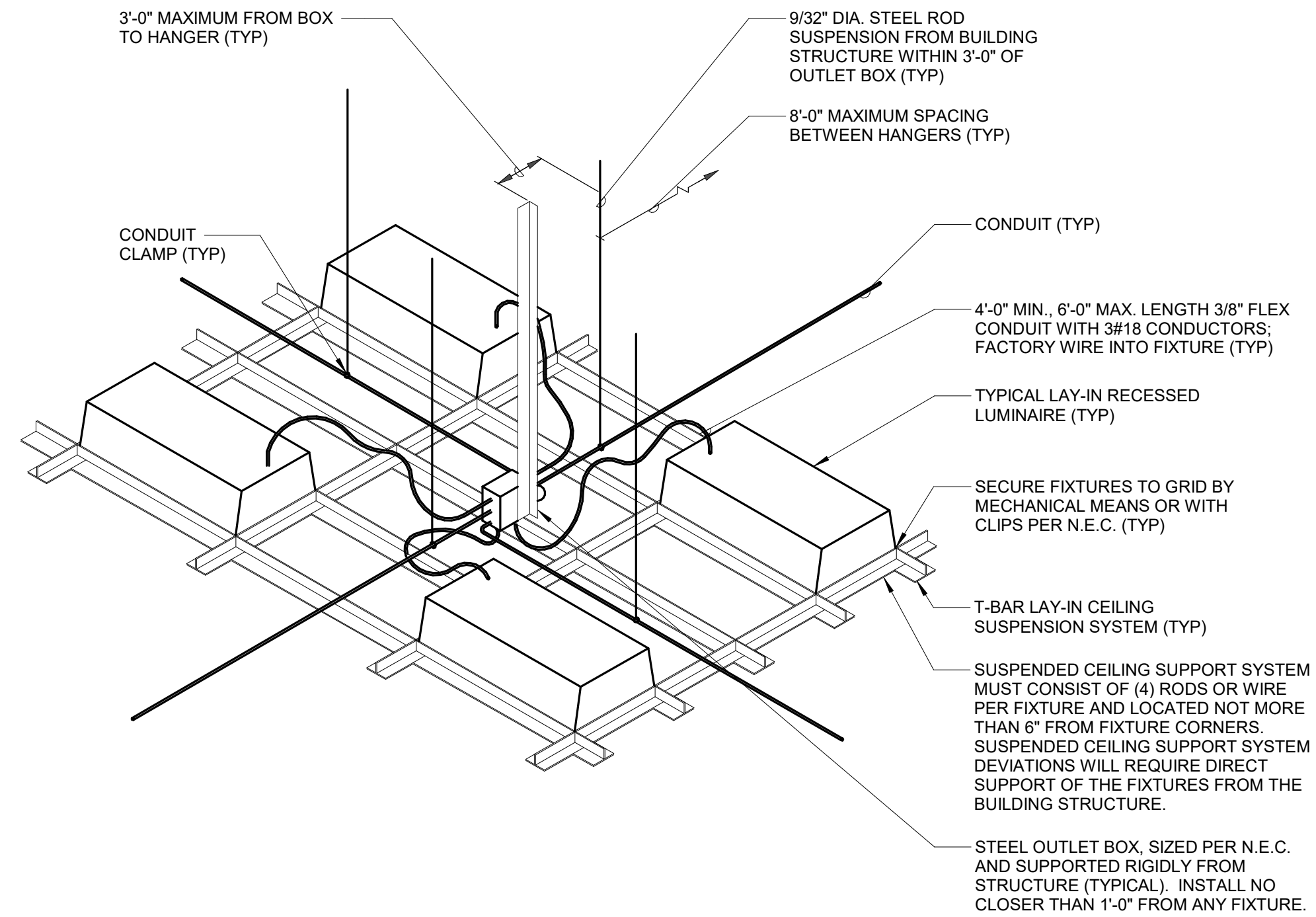
E-301



NOTES:

1. HYDROSTATIC SEAL SELECTION BASED ON OUTSIDE DIAMETER OF CONDUIT AND INSIDE DIAMETER OF SLEEVE OR BORE.
2. PROVIDE PULL BOX, CONDUIT FITTING OR AUXILIARY GUTTER, SIZED PER N.E.C. WITHIN 5' OF CONDUIT ENTRY TO ALLOW SEALING OF CONDUITS. BOX ORIENTATION IS DIAGRAMMATIC SEALING COMPOUND SHALL BE NON-HARDENING MATERIAL FOR WATERSTOP AND MOISTURE BARRIER, OZ/GEDNEY 'DUX' OR APPROVED EQUIVALENT SEAL BOTH ENDS OF EXTERIOR CONDUITS.
3. THIS DETAIL APPLIES TO ALL BELOW GRADE WALL AND FLOOR CONDUIT ENTRIES INTO BUILDING.

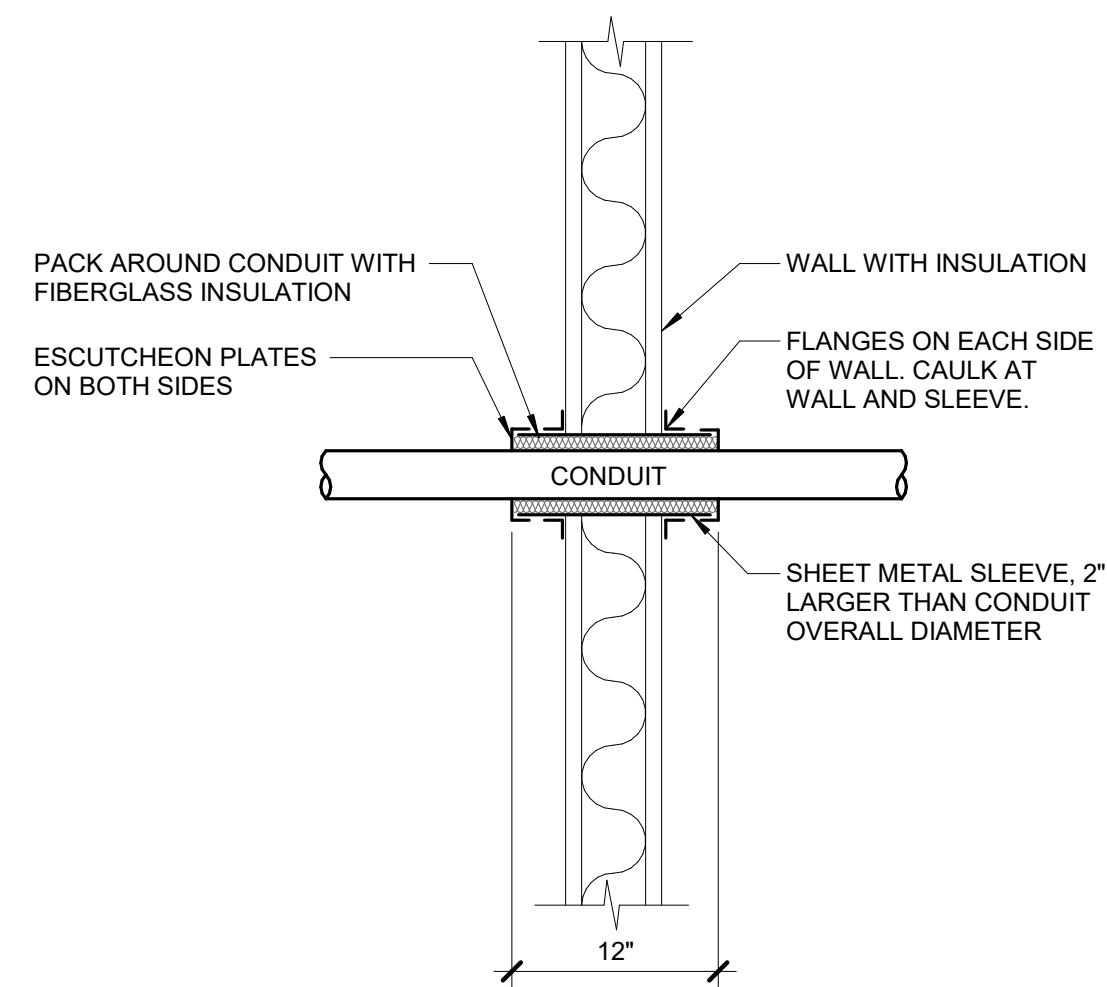
1 EXTERIOR WALL PENETRATION
NO SCALE



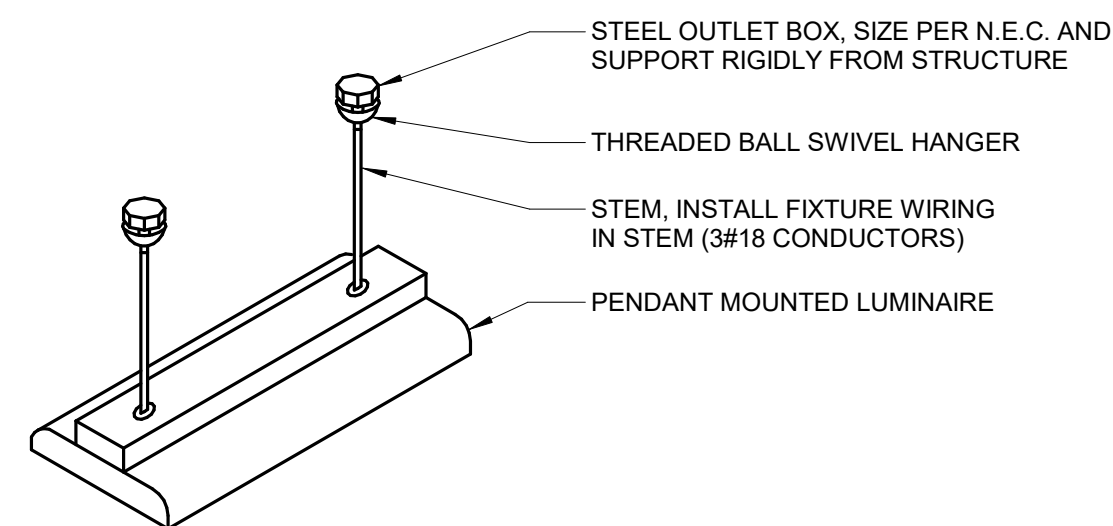
NOTES:

1. DO NOT SUPPORT CONDUIT OR BOXES FROM CEILING GRID HANGERS.

2 RECESSED LUMINAIRE DETAIL (GRID CLIPS)
NO SCALE



3 CONDUIT WALL PENETRATION
NO SCALE



NOTES:

1. SELECT STEM LENGTH TO PROVIDE MOUNTING HEIGHT AS REQUIRED ON DRAWINGS.
2. PROVIDE TWO STEMS ON SINGLE LUMINAIRE AND ONE STEM PER LUMINAIRE WHEN JOINED IN CONTINUOUS ROW.
3. LUMINAIRE TO BE MOUNTED LEVEL.

4 PENDANT MOUNTING DETAIL
NO SCALE



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MARK	DATE	DESCRIPTION

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PROJECT NO: 395-3272

DESIGN:	DRAWN:	CHECK:
RLM	RLM	MTH

ELECTRICAL DETAILS

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E-302



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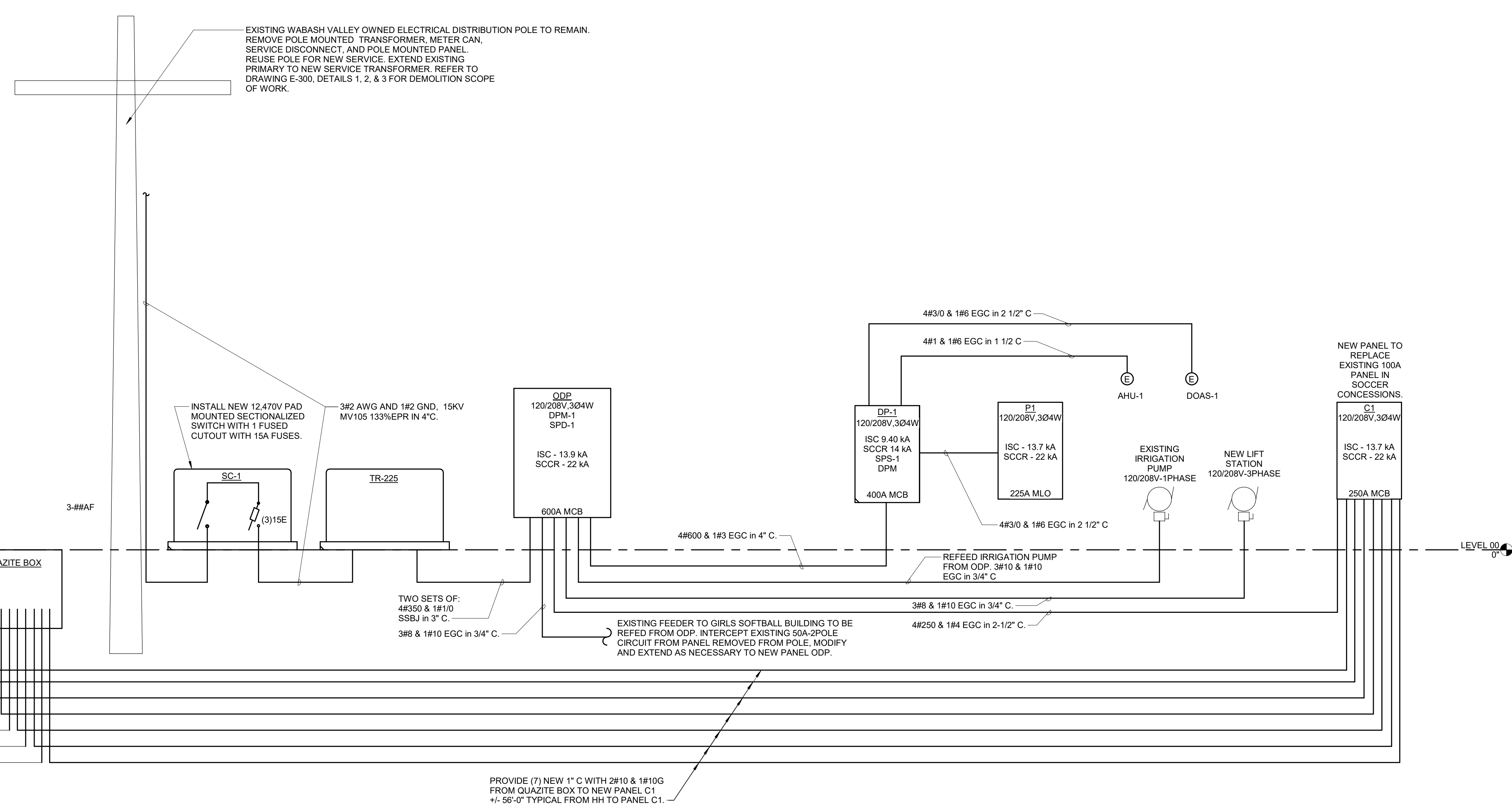
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DATE 04-23-2024
DATE 11-30-2025
LICENSE EXPIRES

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ILLINOIS EASTERN COMMUNITY COLLEGES

MARK	DATE	DESCRIPTION

ELECTRICAL DIAGRAMS

E-400



1 RISER DIAGRAM
NO SCALE

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ATHLETIC TRAINING FACILITY WABASH VALLEY COLLEGE 2200 COLLEGE DRIVE, MOUNT CARMEL, IL. 62863 ILLINOIS EASTERN COMMUNITY COLLEGES

MARK DATE DESCRIPTION

DATE: 04-23-2024 PROJECT NO: 395-3272 DESIGN: RLM DRAWN: RLM CHECK: MTH

ELECTRICAL SCHEDULES

E-500

LED LUMINAIRE SCHEDULE

Table with columns: (DESC) DOOR, DISTRIBUTION, BEAMWIDTH, (L/L) LENS/LOUVER, (M/G) MOUNTING, (WATT) PER, (TYPE) LED, (TYPE) DRIVER. Lists various luminaire options and specifications.

CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED.

VERIFY AND COORDINATE ALL CEILING TYPES WITH LUMINAIRE MOUNTING AND TRIM REQUIREMENTS PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER. CONFIRM ALL COLORS AND FINISHES OF ALL LUMINAIRE COMPONENTS WITH ARCHITECT AND INTERIOR DESIGNER PRIOR TO THE RELEASE OF THE LUMINAIRE ORDER.

REFER TO SPECIFICATION SECTIONS LED LIGHTING 26 51 19 FOR ADDITIONAL INFORMATION AND REQUIREMENTS. INTERIOR CORRELATED COLOR TEMPERATURE 3500K, COLOR RENDERING INDEX (CRI) AT OR ABOVE 85, UNLESS NOTED OTHERWISE.

Main luminaire schedule table with columns: ITEM, DESCRIPTION, MTG, DIMENSIONS (L, W, H, DIA), WATT (ANSI, PER), LED (DELIVERED LUMENS, VOLTS), DRIVER (TYPE, MANUFACTURER AND MODEL). Lists items F1 through X2.

DISCONNECT AND STARTER SCHEDULE

Table with columns: DISCONNECT TYPE, ACCESSORIES & OPTIONS, STARTER TYPE. Lists disconnect and starter specifications.

Table with columns: ITEM, DISCONNECT TYPE & RATING, STARTER, REQUIRED ACCESSORIES & OPTIONS, COMMENTS. Lists specific disconnect and starter items.

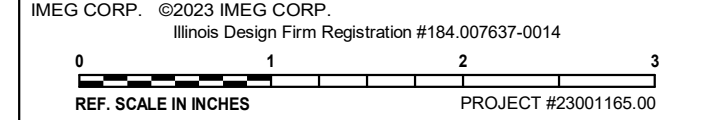
LIGHTING SEQUENCE OF OPERATION

Table with columns: PLAN ID, LIGHTING SWITCHED. Lists lighting sequences (LD1-LS5) and their descriptions.

TRANSFORMER SCHEDULE

Table with columns: TYPE, ACCESSORIES & OPTIONS, ITEM, KVA RATING, TYPE, ENCLOSURE, MAX. TEMP. RISE C., PRIMARY, SECONDARY, REQUIRED ACCESSORIES & OPTIONS, COMMENTS. Lists transformer specifications.

IMEG logo and contact information: 15 SUNNEN DRIVE SUITE 104 ST. LOUIS, MO 63143 P: 314.645.1132 F: 314.645.1173 www.imegcorp.com





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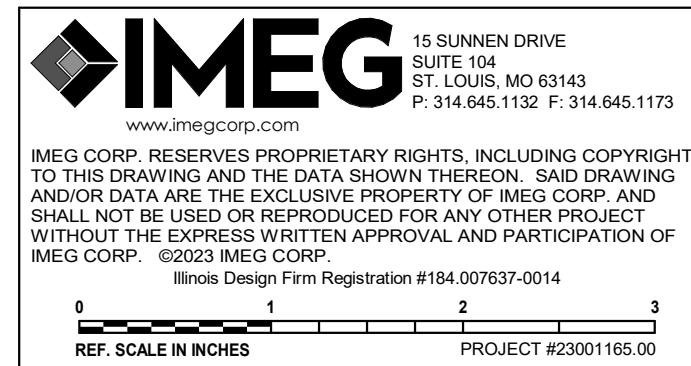
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Table with columns: MARK, DATE, DESCRIPTION

DATE: 04-23-2024 PROJECT NO: 395-3272 DESIGN: RLM DRAWN: MTH CHECK: MTH

ELECTRICAL PANEL SCHEDULES

E-600



PANEL P1 MOUNTING: SURFACE ENCLOSURE: NEMA PB 1 FED FROM: 225 A/3P @ DP-1 LOCATION: MECHANICAL 108

NOTES:

Table with columns: KEY, CKT NO., LOAD DESCRIPTION, OCPD AMPS, WIRE SIZE, VD %, A, B, C, WIRE SIZE, OCPD AMPS, LOAD DESCRIPTION, CKT NO., KEY

LOAD SUMMARY table with columns: LOAD CLASSIFICATION, CONNECTED LOAD, DEMAND FACTOR, ESTIMATED DEMAND, TOTALS*

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL C1 MOUNTING: SURFACE ENCLOSURE: NEMA 1 FED FROM: 250 A/3P @ ODP LOCATION: SOCCER CONCESSIONS

NOTES:

Table with columns: KEY, CKT NO., LOAD DESCRIPTION, OCPD AMPS, WIRE SIZE, VD %, A, B, C, WIRE SIZE, OCPD AMPS, LOAD DESCRIPTION, CKT NO., KEY

LOAD SUMMARY table with columns: LOAD CLASSIFICATION, CONNECTED LOAD, DEMAND FACTOR, ESTIMATED DEMAND, TOTALS*

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL ODP MOUNTING: SURFACE ENCLOSURE: NEMA 3R FED FROM: 600 A/3P @ ODP LOCATION: OUTDOOR

NOTES: PANEL SHALL BE FULLY RATED.

Table with columns: KEY, CKT NO., LOAD DESCRIPTION, OCPD AMPS, WIRE SIZE, VD %, A, B, C, WIRE SIZE, OCPD AMPS, LOAD DESCRIPTION, CKT NO., KEY

LOAD SUMMARY table with columns: LOAD CLASSIFICATION, CONNECTED LOAD, DEMAND FACTOR, ESTIMATED DEMAND, TOTALS*

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES:

PANEL DP-1 MOUNTING: SURFACE ENCLOSURE: NEMA PB 1 FED FROM: 400 A/3P @ ODP LOCATION: MECHANICAL 108

NOTES: 100% RATED.

Table with columns: KEY, CKT NO., LOAD DESCRIPTION, OCPD AMPS, WIRE SIZE, VD %, A, B, C, WIRE SIZE, OCPD AMPS, LOAD DESCRIPTION, CKT NO., KEY

LOAD SUMMARY table with columns: LOAD CLASSIFICATION, CONNECTED LOAD, DEMAND FACTOR, ESTIMATED DEMAND, TOTALS*

*TOTAL DEMAND CALCS SUBTRACT ANY REDUNDANT LOAD AND THE SMALLER OF ANY NONCOINCIDENT HVAC LOADS. THIS CALC IS DONE AT EACH PANEL.

CIRCUIT KEY NOTES: