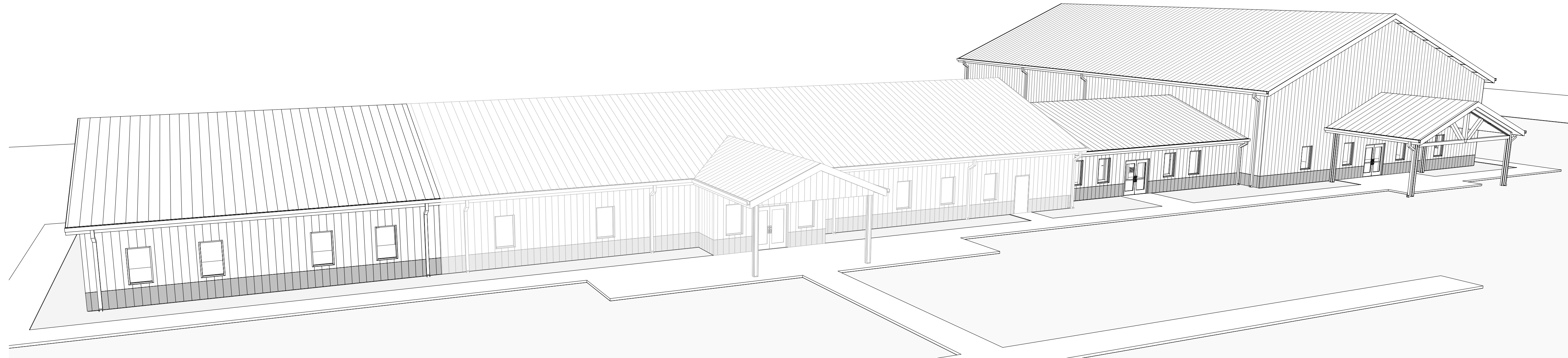


PRYOR CREEK MENNONITE CHURCH

1919 W. 470
 PRYOR, OK 74361
 CONSTRUCTION SET



G000 COVER
 G001 GENERAL ARCHITECTURAL LEGENDS ABBREVIATIONS NOTES AND SYMBOLS
 G002 TYPICAL ACCESSORY MOUNTING HEIGHTS AND LOCATIONS
 G003 CODE INFORMATION AND EGRESS PLAN
 SP101 SPECIFICATIONS
 SP102 SPECIFICATIONS
 CS101 OVERALL SITE PLAN & FIRE MARSHAL EXHIBIT
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 CE501 EROSION CONTROL DETAILS
 CG101 GRADING PLAN
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 S001 GENERAL NOTES
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 S100 OVERALL FOUNDATION PLAN
 S101 FOUNDATION PLAN AREA B
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 S200 PROPOSED ROOF FRAMING PLAN

AD101 DEMO PLANS AND ELEVATIONS
 A101 OVERALL FLOOR PLAN
 A102 ENLARGED FLOOR PLAN, REFLECTED CEILING PLAN & ROOF PLAN - BUILDING B
 A103 ENLARGED FLOOR PLANS AND DETAILS - BUILDING C
 A104 ENLARGED REFLECTED CEILING PLANS AND DETAILS - BUILDING C
 A105 ROOF PLAN - BUILDING C
 A201 BUILDING ELEVATIONS
 A202 BUILDING ELEVATIONS
 A301 BUILDING SECTIONS
 A302 BUILDING SECTIONS
 A311 WALL SECTIONS
 A312 WALL SECTIONS
 A313 WALL SECTIONS
 A401 ENLARGED PLATFORM PLAN AND SECTIONS
 A402 ENLARGED RESTROOM PLANS AND ELEVATIONS
 A601 DOOR AND WINDOW SCHEDULES AND DETAILS
 A602 PARTITION TYPES
 A603 SCHEDULES
 M001 HVAC LEGEND AND GENERAL NOTES
 M002 HVAC SPECIFICATIONS

M101 OVERALL FIRST FLOOR HVAC PLAN
 M102 ENLARGED FIRST FLOOR HVAC PLAN
 M501 HVAC DETAILS
 M601 HVAC SCHEDULES
 E001 ELECTRICAL LEGEND AND GENERAL NOTES
 E101 POWER AND COMMUNICATIONS PLANS
 E201 LIGHTING PLANS
 E501 ELECTRICAL DETAILS
 E502 ELECTRICAL PANELBOARD SCHEDULES
 P001 PLUMBING LEGEND AND GENERAL NOTES
 P101 OVERALL DOMESTIC WATER AND GAS PLAN
 P102 OVERALL SANITARY SEWER AND VENT PLAN
 P301 ENLARGED DOMESTIC WATER AND GAS PLANS
 P302 ENLARGED SANITARY SEWER AND VENT PLANS
 P501 PLUMBING PLANS
 P601 PLUMBING SCHEDULES

REVISIONS

CODE INFORMATION

APPLICABLE CODES

INTERNATIONAL BUILDING CODE 2018
 INTERNATIONAL EXISTING BUILDING CODE 2018
 INTERNATIONAL MECHANICAL CODE 2018
 INTERNATIONAL PLUMBING CODE 2018
 NATIONAL ELECTRICAL CODE 2020
 INTERNATIONAL ENERGY CODE 2018
 INTERNATIONAL FIRE CODE 2018
 INTERNATIONAL FUEL GAS CODE 2018
 1991 AMERICANS WITH DISABILITIES ACT (ADA)
 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

3. GROUP CLASSIFICATION (CHAPTER 3)

PRIMARY _____ ASSEMBLY (A-3)
 ACCESSORY _____ EDUCATION (E)
 ACCESSORY _____ STORAGE (S)

4. CONSTRUCTION TYPE (CHAPTER 6 - SECTION 602)

ACTUAL TYPE PROVIDED EXISTING _____ IIB
 NEW _____ IIB

LOCATION MAP



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REVISIONS

GENERAL ARCHITECTURAL LEGENDS ABBREVIATIONS NOTES AND SYMBOLS

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SCALE As indicated

10.09.2023

ABBREVIATIONS

#15 15#	NUMBER 15 15 POUNDS	JT	JOINT
& < @	AND ANGLE AT	LAV LP	LAVATORY LOW POINT
ADJ AFF ALUM	ADJACENT ABOVE FINISHED FLOOR ALUMINUM	MAX MIN MISC MO	MAXIMUM MINIMUM MISCELLANEOUS MASONRY OPENING
OF CIRC CJ CMU CO COL CY	CUBIC FOOT CIRCUMFERENCE CONTROL JOINT CONCRETE MASONRY UNIT CLEAN-OUT COLUMN COLUMB CUBIC YARD	NIC NTS	NOT IN CONTRACT NOT TO SCALE
DIA DIM DIV DS DWG	DIAMETER DIMENSION DIVISION DOWNSPOUT DRAWING	OA OC OD OPH OPP OZ	OVERALL ON CENTER OUTSIDE DIAMETER OPPOSITE HAND OPPOSITE OUNCE
EA EJ EL ELEC ELEV EQ EX EXT	EACH EXPANSION JOINT ELEVATION ELECTRIC ELEVATOR EQUAL EXISTING EXTERIOR	PA PCF PER PLAM PSF PSI PVC	PUBLIC ADDRESS POUNDS PER CUBIC FOOT PERIMETER PLASTIC LAMINATE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POLYVINYL CHLORIDE
FA FD FE FEC FFE FHC FIN FND FTG	FIRE ALARM FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISHED FLOOR ELEVATION FIRE HOSE CABINET FINISHED FOUNDATION FOOTING	RAD RCP RD REF REV RO	RADIUS REFLECTED CEILING PLAN ROOF DRAIN REFERENCE REVISION ROUGH OPENING
GA GALV GB GFRC CONCRETE GFRG	GAUGE GALVANIZED GRAB BAR GLASS FIBER REINFORCED CONCRETE GLASS FIBER REINFORCED GYPSUM	SF SIM SQ SS STOR SUSP SY SYM	SQUARE FOOT/FEET SIMILAR SQUARE STAINLESS STEEL STORAGE SUSPENDED SQUARE YARD SYMMETRICAL
HM HOR HP HT	HOLLOW METAL HORIZONTAL HIGH POINT HEIGHT	T&G TEL TOS TSL TV TYP	TONGUE AND GROOVE TELEPHONE TOP OF STEEL TOP OF SLAB TELEVISION TOP OF WALL TYPICAL
ID IDB IN INSUL INT	INSIDE DIAMETER INTERACTIVE WHITEBOARD INCHES INSULATION INTERIOR	VERT VIF	VERTICAL VERIFY IN FIELD
		WI W/O WP	WITH WITHOUT WORKING POINT

CEILING LEGEND

	GYPSUM BOARD CEILING		EMERGENCY 2'x4' LIGHT FIXTURE
	LAY-IN CEILING - 2X2 GRID		EMERGENCY CAN LIGHT
	EXIT SIGN & TRAVEL DIRECTION		EMERGENCY LINEAR FIXTURE
	2'x4' LIGHT FIXTURE		EMERGENCY WALL PACK
	1'x4' LIGHT FIXTURE		RETURN DIFFUSER
	LINEAR FIXTURE		SUPPLY DIFFUSER
	CAN LIGHT		

LINE TYPES LEGEND

	MATCHLINE
	GRID LINE
	CENTERLINE
	HIDDEN LINE
	BREAK LINE
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE DEMOLISHED / REMOVED
	NEW CONSTRUCTION

DRAWING SYMBOLS

	Room name 150 SF	AREA TAG
	NORTH	NORTH ARROW
	REVISION TAG (USED WITH CLOUD)	
	ROOM NAME 1001	ROOM TAG
	BUILDING SECTION HEAD	
	DETAIL SECTION HEAD	
	WALL SECTION HEAD	
	SPOT ELEVATION TARGET FILLED	
	DATUM POINT	
	VIEW REFERENCE	
	WALL TAG	
	WINDOW & LOUVER TAG	
	DOOR TAG	
	GRAPHIC SCALE	
	SLOPE ARROW	
	CARD READER, CENTER MOUNTED AT 36" AFF	
	ADA PUSH PAD, CENTER MOUNTED AT 36" AFF	

	CALLOUT HEAD
	CEILING TAG TYPE & HEIGHT
	CENTERLINE
	EXTERIOR ELEVATION MARK
	INTERIOR ELEVATION MARK
	GRID HEAD - NEW
	GRID HEAD - EXISTING
	KEYNOTE SYMBOL
	LEVEL HEAD EXISTING
	LEVEL HEAD NEW
	LEVEL SYMBOL
	MATERIAL TAG
	FINISH TRANSITION TAG
	STANDARD H/C SYMBOL
	DIMENSION LINE (TO FACE OF)

GENERAL NOTES

- ALL DOCUMENTS WERE PREPARED BASED ON A REVIEW OF AVAILABLE RECORD DATA SUPPLIED BY THE OWNER. IN THE EVENT THAT UNFORSEEN UTILITIES, STRUCTURES OR CONDITIONS ARE DISCOVERED DURING CONSTRUCTION, THE ARCHITECT IS TO BE NOTIFIED IMMEDIATELY.
- CONTRACTOR SHALL PRESENT A PROJECT STAGING PLAN TO THE OWNER AND PROJECT ARCHITECT PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH OWNER FOR ISSUES SUCH AS SITE ACCESS, LAY DOWN/STORAGE AREAS, PARKING AND PROJECT SEPARATION FROM EXISTING FACILITIES. SITE OPERATIONS SHALL COMPLY WITH ALL REGULATIONS OF THE AUTHORITY(IES) HAVING JURISDICTION ESPECIALLY REGARDING SITE RUN-OFF CONTAINMENT, HOURS OF OPERATION, TRAFFIC AND ALL OTHER REGULATIONS PERTAINING TO NEW CONSTRUCTION PROJECTS.
- CONTRACTOR IS ADVISED TO REVIEW GENERAL NOTES OF THE OTHER DESIGN DISCIPLINES CONTAINED IN THESE CONTRACT DOCUMENTS AND TO COORDINATE WITH VARIOUS TRADES AS REQUIRED IN THOSE GENERAL NOTES.
- CONSTRUCTION OF THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH ALL CURRENT APPLICABLE BUILDING CODES AND REGULATIONS OF THE AUTHORITY(IES) HAVING JURISDICTION INCLUDING THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).
- CONSTRUCTION DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY ONE TO THE OTHER. NEITHER TAKES PRECEDENCE OVER THE OTHER. IN CASE OF A CONFLICT, THE PROJECT ARCHITECT WILL EVALUATE AND DETERMINE A SOLUTION. GENERALLY, THE MORE STRINGENT REQUIREMENT WILL PREVAIL.
- CONTRACT DOCUMENTS ARE INSTRUMENTS OF SERVICE ONLY. THEY ARE GRAPHIC AND WRITTEN REPRESENTATION OF THE GENERAL SCOPE OF THE FINISHED PROJECT AND DO NOT NECESSARILY INDICATE ALL WORK OR DETAILS REQUIRED FOR A FINISHED PROJECT. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL, EQUIPMENT AND LABOR NECESSARY FOR A COMPLETED PROJECT.
- FOR WORK NOTED AS "PROVIDED BY OTHERS" OR "FURNISHED BY OWNER" CONTRACTOR SHALL COORDINATE AND PROVIDE SERVICES WITH THAT PROVIDER/FURNISHER FOR A FINISHED AND OPERABLE INSTALLATION. ENLARGED PLANS AND DETAILS TAKE PRECEDENCE OVER SMALL SCALE PLANS AND ELEVATIONS. DO NOT SCALE DRAWINGS. DIMENSION CONFLICTS SHALL BE BROUGHT TO THE PROJECT ARCHITECT FOR RESOLUTION.
- EXISTING SITE COMPONENTS NOT SCHEDULED FOR DEMOLITION INCLUDING EXISTING LANDSCAPING ARE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS. ITEMS DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED OR REPAIRED TO OWNER'S SATISFACTION.
- HEIGHTS AND ELEVATIONS SHALL BE MEASURED FROM FINISHED FLOOR UNLESS OTHERWISE NOTED. CONTRACTORS SHALL ENSURE FINISH MATERIALS WILL BE FLUSH WITH ADJACENT SURFACES AND JOINTS. (EXCEPT WHERE INDICATED OTHERWISE.)
- DIMENSIONS ARE TO FACE OF STUD, SUBSTRATE OR MASONRY. CENTERLINE DIMENSIONS ARE TO THE CENTERLINE OF COLUMNS AND GRIDS. DIMENSIONS IN MASONRY WALLS AND PARTITIONS ARE TO THE ROUGH OPENINGS OF DOORS, WINDOWS AND OTHER SCHEDULED OPENINGS.
- PENETRATIONS OF FIRE RATED WALL AND FLOOR ASSEMBLIES SHALL BE FIRE STOPPED WITH THROUGH PENETRATION FIRESTOP SYSTEMS.
- COORDINATE ACCESS DOOR LOCATIONS AND MISCELLANEOUS WALL PENETRATIONS (FOR CONCEALED ITEMS) WITH APPROPRIATE CONTRACTORS.
- SCHEDULES:
 A. DOOR AND FRAME SCHEDULE: REFER TO DRAWING A601
 B. ROOM FINISH SCHEDULE: REFER TO DRAWING A603
 C. MOUNTING HEIGHT SCHEDULE: REFER TO DRAWING G002
 D. PARTITION TYPE SCHEDULE: REFER TO DRAWINGS A602
- THE TERM "TYPICAL" OR TYP AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS THE SAME FOR SIMILAR CONDITIONS THROUGHOUT, UNLESS OTHERWISE NOTED.
- REFER TO THE ABBREVIATIONS LIST FOR ABBREVIATIONS THROUGHOUT THE CONTRACT DOCUMENTS
- ARCHITECTURAL ELEVATION 100'-0"
- NON ARCHITECTURAL WORK QUANTIFIED AND SPECIFIED ON OTHER DRAWINGS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL DRAWINGS UNLESS OTHERWISE NOTED OR DIMENSIONED. ANY WORK THAT IS NOT LOCATED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AS SOON AS POSSIBLE UNLESS MARKED OTHERWISE. ALL PIPING, DUCTWORK, CONDUIT AND STRUCTURAL ELEMENTS ARE TO BE CONCEALED. STRUCTURAL AND OTHER ELEMENTS SCHEDULED TO REMAIN EXPOSED SHALL RECEIVE APPROPRIATE PROTECTIVE COATINGS WHETHER INCLUDED IN SPECIFICATIONS OR NOT.
- EXPOSED PROTRUDING ELEMENTS SUCH AS SILLS, LEDGES, SOLID SURFACE CAPS, SHELVES, DOOR TOPS AND BOTTOMS, MILLWORK SHALL BE FINISHED THE SAME THROUGHOUT.
- CONTRACTOR SHALL COOPERATE WITH OWNER DURING CONSTRUCTION TO ENSURE LEAST POSSIBLE INTERRUPTION OF ON-GOING OPERATIONS. CONTRACTOR SHALL COORDINATE DATES AND TIMES OF SITE ACCESS REQUIRED BY OWNER'S SCHEDULE OF OPERATIONS. INTERRUPTION OF EXISTING SITE UTILITIES ARE FURTHER DESCRIBED IN CONSTRUCTION SPECIFICATION DIVISIONS.
- CONSTRUCTION ITEMS SHOWN AS "DELEGATED DESIGN" REQUIRE COORDINATION AND INCORPORATION BY THE CONTRACTOR AND ARE NOT STAND-ALONE ITEMS NECESSARILY. CONTRACTOR AND SUPPLIER SHALL COORDINATE REQUIREMENTS TO PROVIDE A COMPLETE AND OPERABLE INSTALLATION. REQUESTS FOR INFORMATION WITH INTERPRETATION READILY AVAILABLE IN CONTRACT DOCUMENTS WILL BE RETURNED TO CONTRACTOR AND NOTED AS "INFORMATION READILY AVAILABLE."

DIMENSIONING CONVENTIONS

- EXCEPT WHERE DIRECTED TO PLACE ITEMS OF THE WORK AT THE "APPROXIMATE LOCATION SHOWN", DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.
- ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE ALL DIMENSIONS REQUIRED ARE SHOWN (OR MAY BE DERIVED FROM THOSE SHOWN OR NOTED) ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, SCHEDULES, CONFIGURATION DETAILS, AND SPECIFICATIONS SEE THE NOTES BELOW AND SYMBOLS THIS SHEET FOR DIMENSIONING CONVENTIONS USED ON THIS PROJECT.
- EXCEPT WHERE SPECIFICALLY NOTED TO THE CONTRARY, ALL DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS CONFORM TO THE FOLLOWING CONVENTIONS:
 - DIMENSIONS UTILIZING THE "CENTERLINE" SYMBOL ARE MEASURED TO:
 - STRUCTURAL OR DIMENSIONAL GRID LINES.
 - CENTERLINE OF CONCRETE OR CONCRETE MASONRY UNIT WALLS (EXCLUSIVE OF FURRING OR APPLIED FINISHES HAVING THICKNESS). REFER TO THE ARCHITECTURAL PLANS AND SECTIONS, THE STRUCTURAL DRAWINGS, OR PARTITION SCHEDULE TO DETERMINE THE THICKNESS OF CONCRETE OR CONCRETE MASONRY UNIT WALLS.
 - CENTERLINE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE APPLIED TO SUCH WALLS) AT PARTITIONS FRAMED WITH METAL STUDS. REFER TO "PARTITION SCHEDULE" TO DETERMINE THE THICKNESS OF EACH PARTITION TYPE.
 - CENTERLINE OF DOOR, WINDOW, OR LOUVER OPENING.
 - CENTERLINE OF EQUIPMENT OR FURNISHING.
 - CENTERLINE OF OTHER FEATURES AS INDICATED.
 - REFER TO THIS SHEET FOR SYMBOL USED TO INDICATE CENTERLINE DIMENSION.
 - DIMENSIONS UTILIZING THE "FACE OF" SYMBOL ARE MEASURED TO:
 - FACE OF CONCRETE OR CONCRETE MASONRY UNIT WALL (EXCLUSIVE OF APPLIED FINISHES HAVING THICKNESS OR FURRING WHICH MAY BE ADDED TO THE FACE OF SUCH WALLS).
 - FACE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE ADDED TO SUCH WALL) AS DEFINED BY THE PARTITION SCHEDULE UNLESS NOTED AS A "FACE OF FINISH" OR "CLEAR" DIMENSION (SEE NOTE "E" BELOW). DIMENSIONS ARE NOT MEASURED TO THE FACE OF APPLIED FINISH. REFER TO THE "PARTITION SCHEDULE" TO DETERMINE THE THICKNESS OF EACH PARTITION TYPE.

- REFER TO THIS SHEET FOR SYMBOL USED TO INDICATE "FACE OF" DIMENSION
- WHERE "FACE OF FINISH" OR "CLEAR" DIMENSIONS ARE SPECIFICALLY NOTED, THE DIMENSION IS MEASURED TO:
 - FINISH FACES AT THE MOST NARROW OR CONSTRICTED POINTS OF SECTION WHERE DIMENSION IS SHOWN. WHEN THE DIMENSION OCCURS ACROSS AN OPEN SPACE, THIS CASE, A "FACE OF FINISH" DIMENSION IS EQUIVALENT TO A "CLEAR" DIMENSION.
 - FINISH FACES AT THE WIDEST OR MOST EXPANSIVE POINT OF THE SECTION THE DIMENSION IS SHOWN WHEN THE DIMENSION OCCURS ACROSS AN OBJECT OR GROUP OF OBJECTS.
- WHERE "EQUAL" DIMENSIONS ARE USED ON REFLECTED CEILING PLANS TO LOCATE CEILING GRID WORK POINTS, MEASURE DIMENSIONS TO:
 - EDGE OF THE INDICATED CEILING AT THE FACE OF THE ADJACENT APPLIED FINISH MEASURED AT THE PLANE OF THE CEILING.
 - CAUTION: DUE TO THE POSSIBLE APPLICATION OF APPLIED FINISHES - THICKNESS WHICH MAY VARY BETWEEN FLOOR AND CEILING AND IS NOT ACCOUNTED FOR (EXCEPT AS INDICATED BY "CLEAR") BY THE DIMENSION SHOWN ON THE FLOOR PLANS - THE CONSTRUCTION MANAGER/ CONTRACTOR MUST ADJUST, AS NECESSARY, THE FLOOR PLAN DIMENSIONS TO REFLECT THE ACTUAL DIMENSIONS FOUND AT THE PLANE OF THE CEILING.
- WHERE DIMENSIONS ARE NOT PROVIDED ON FLOOR PLANS TO LOCATED DOOR OPENINGS, APPLY THE FOLLOWING RULES, IN ORDER TO DETERMINE THE LOCATION OF DOOR OPENINGS (REFER DIAGRAM 1a):
 - DOOR OPENINGS MAY BE DIMENSIONED ON DRAWINGS OTHER THAN THE FLOOR PLANS. REFER TO THE SECTIONS, ELEVATIONS, DETAILS, AND DOOR SCHEDULE NOTES FOR ADDITIONAL DIMENSIONAL INFORMATION.
 - WHERE THE HINGE - SIDE OF A DOOR IS SHOWN ADJACENT TO A WALL - OR WALLS - PERPENDICULAR TO THE WALL IN WHICH THE DOOR OPENING OCCURS:
 - AT DOORS OCCURRING IN METAL FRAMED GYPSUM BOARD PARTITIONS, LOCATE THE HINGE SIDE OF THE DOOR FINISHED OPENING 4" FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.
 - AT DOORS OCCURRING IN WALLS OF CONCRETE MASONRY UNIT CONSTRUCTION, LOCATE THE HINGE SIDE OF THE DOOR FINISHED OPENING 8" FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.

- WHERE DOOR OCCURS NOT ADJACENT TO A PERPENDICULAR WALL AND EITHER "DIM E" OR "DIM F" IS 16'-0" OR LESS, LOCATED DOOR UTILIZING THE FOLLOWING MINIMUM DIMENSIONS:

DIMENSION A	= 18" MIN.
DIMENSION B	= 12" MIN.
DIMENSION C	= DOOR WIDTH + 2" MIN.
DIMENSION D	= 6" MIN. AT METAL FRAMED GYPSUM BOARD PARTITIONS OR - EVEN MULTIPLES OF 1/2" CONCRETE MASONRY UNIT MODULE PLUS 2" AT CONCRETE MASONRY UNIT PARTITIONS
DIMENSIONS E AND F	= AS SHOWN ON PLANS
DIMENSION G	= 36" MIN.
DIMENSION H	= 60" MIN.

IF SPACE ALLOWS, CENTER DOOR IN WALL SHOWN ON THE DRAWINGS SO THAT EITHER "DIM A" EQUALS "DIM C" OR "DIM B" EQUALS "DIM D"
- WHERE DOOR IS SHOWN LOCATED IN A LARGE EXPANSE OF OPEN WALL ("DIM E" AND "DIM F" IN DIAGRAM 1a BOTH EXCEED 16'-0"), PLACE DOOR AT APPROXIMATE LOCATION SHOWN ON THE PLANS. WHERE DOOR OCCURS IN CMU WALL, PLACE DOOR AT APPROXIMATE LOCATION SHOWN WHILE MINIMIZING "CUT" OR PARTIAL CMU MODULES ADJACENT THE JAMBS.
- WHERE WALLS AND/ OR PARTITIONS OF UNEQUAL THICKNESS ABUT, ALIGN EXPOSED FACES, UNLESS OTHERWISE NOTED

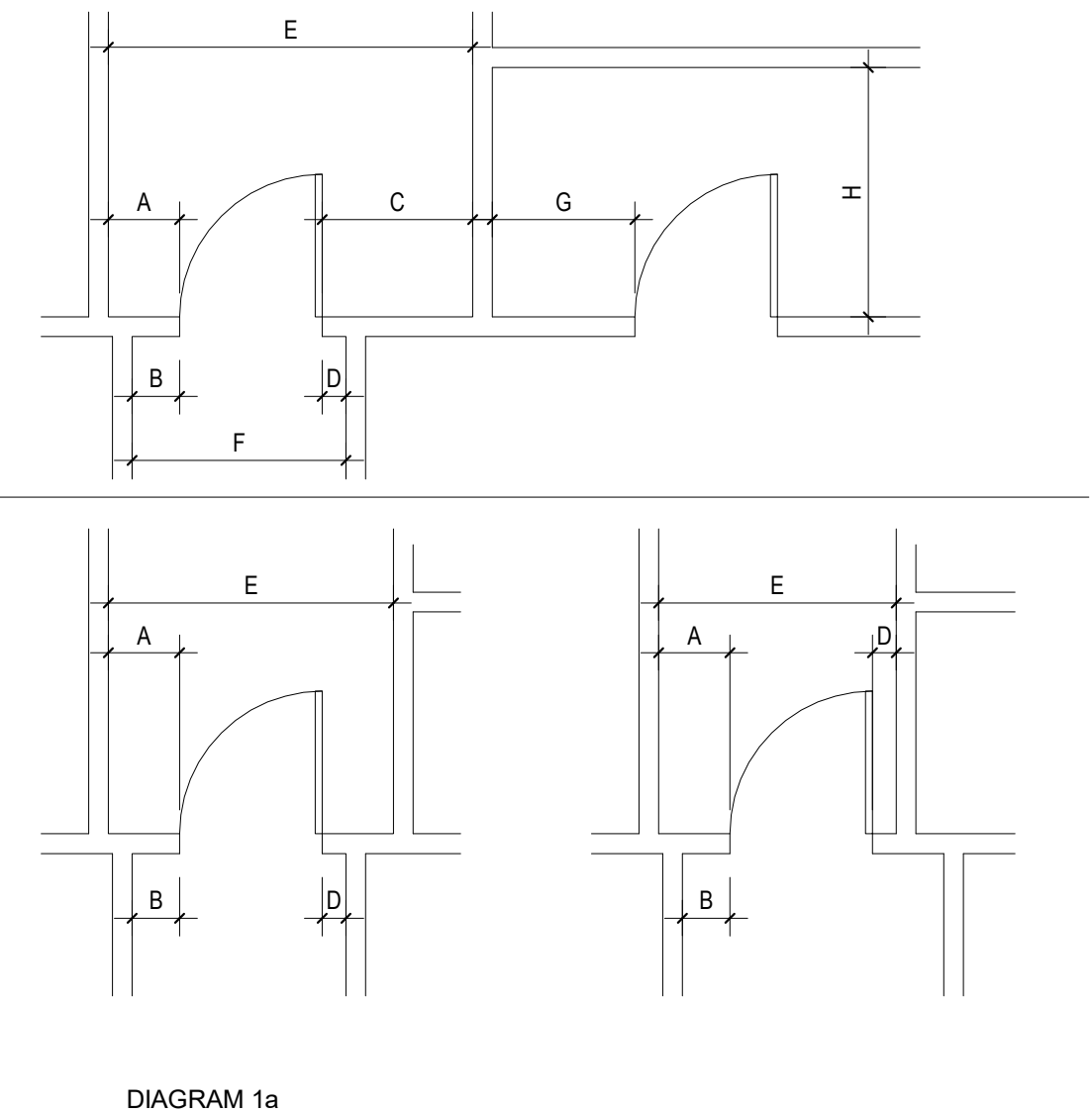
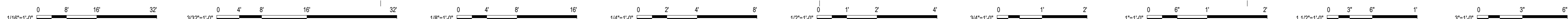
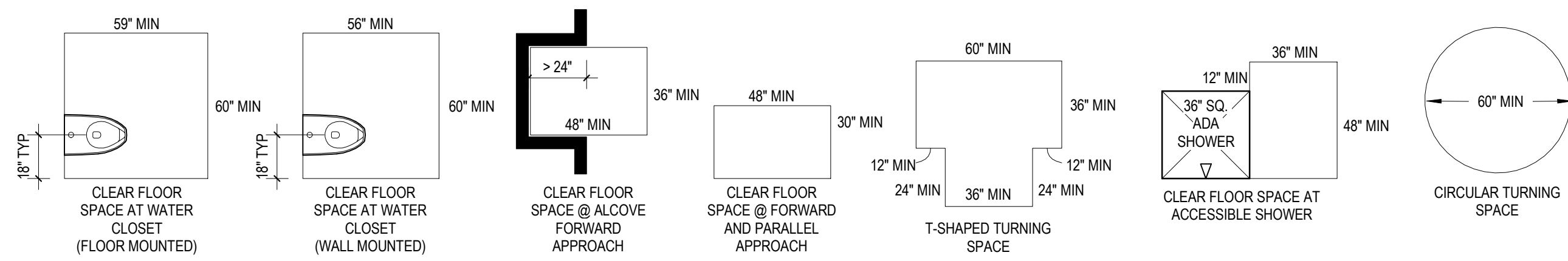


DIAGRAM 1a



ADA - BUILDING BLOCKS FOR ACCESSIBLE CLEARANCES



TOILET ACCESSORY LEGEND	
BCS	BABY CHANGING STATION
GB1	18" GRAB BAR
GB2	36" GRAB BAR
GB3	42" GRAB BAR
HK	ROBE HOOK
MR	MIRROR
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
SHLF	UTILITY SHELF
SND	SANITARY NAPKIN DISPOSAL
TP1	TOILET PARTITION
TP2	URINAL SCREEN
TTD	TOILET TISSUE DISPENSER
WR	WASTE RECEPTACLE

- NOTES**
- WASTE AND HOT WATER PIPING TO BE INSULATED AT ACCESSIBLE LAVATORIES AND SINKS
 - ADULT FLUSH CONTROLS FOR WATER CLOSETS AND URINALS SHALL BE MOUNTED ON THE TOILET STALL
 - ADULT MOUNTING HEIGHT FOR ALL OPERATING PARTS OF MISCELLANEOUS ADULT ACCESSORIES IS 15" AFF MIN AND 48" AFF MAX (FIRE ALARMS, SECURITY, THERMOSTATS, ETC.)
 - PROVIDE CONCEALED SOLID BLOCKING IN STUD WALLS FOR ACCESSORY MOUNTING. REFER TO PLANS AND ELEVATIONS FOR REQUIRED ACCESSORIES.

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"The Team You Trust"

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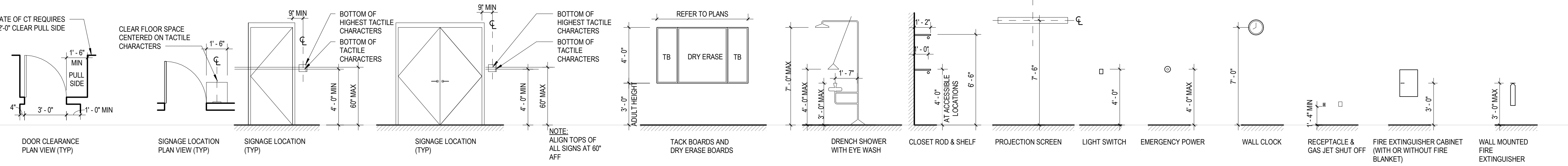
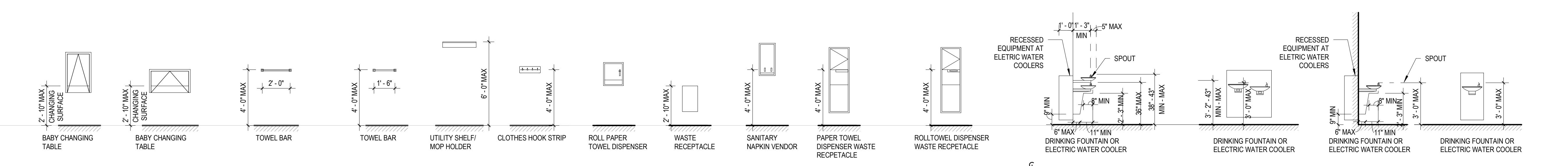
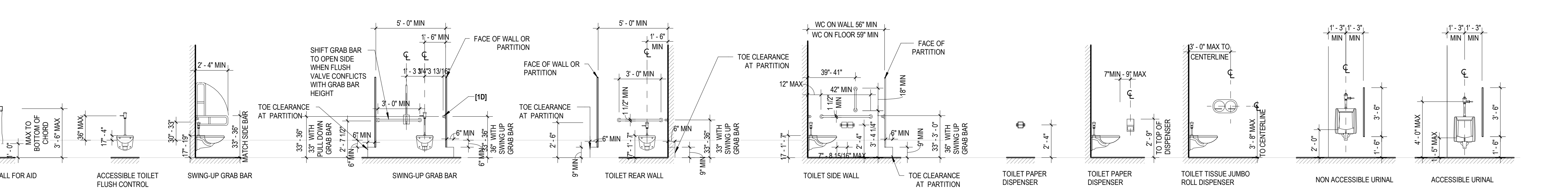
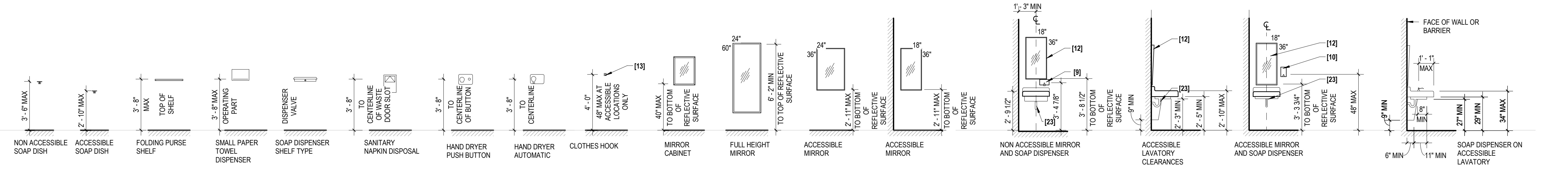
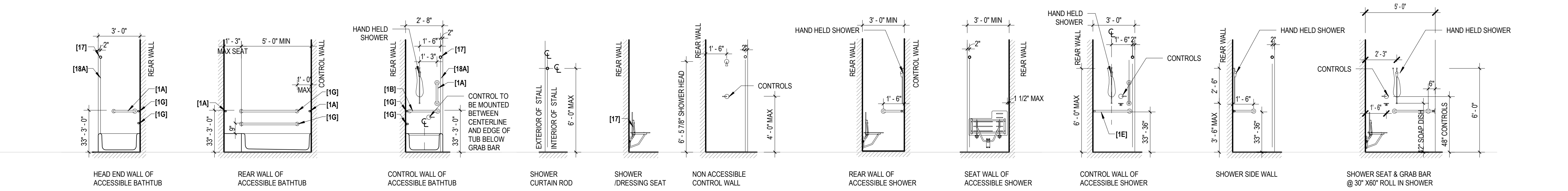
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ADA - ADULT MOUNTING HEIGHTS



CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

TYPICAL ACCESSORY MOUNTING HEIGHTS AND LOCATIONS

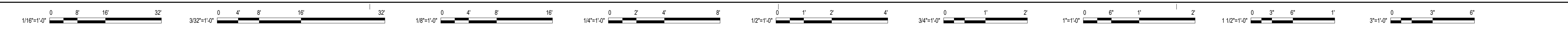
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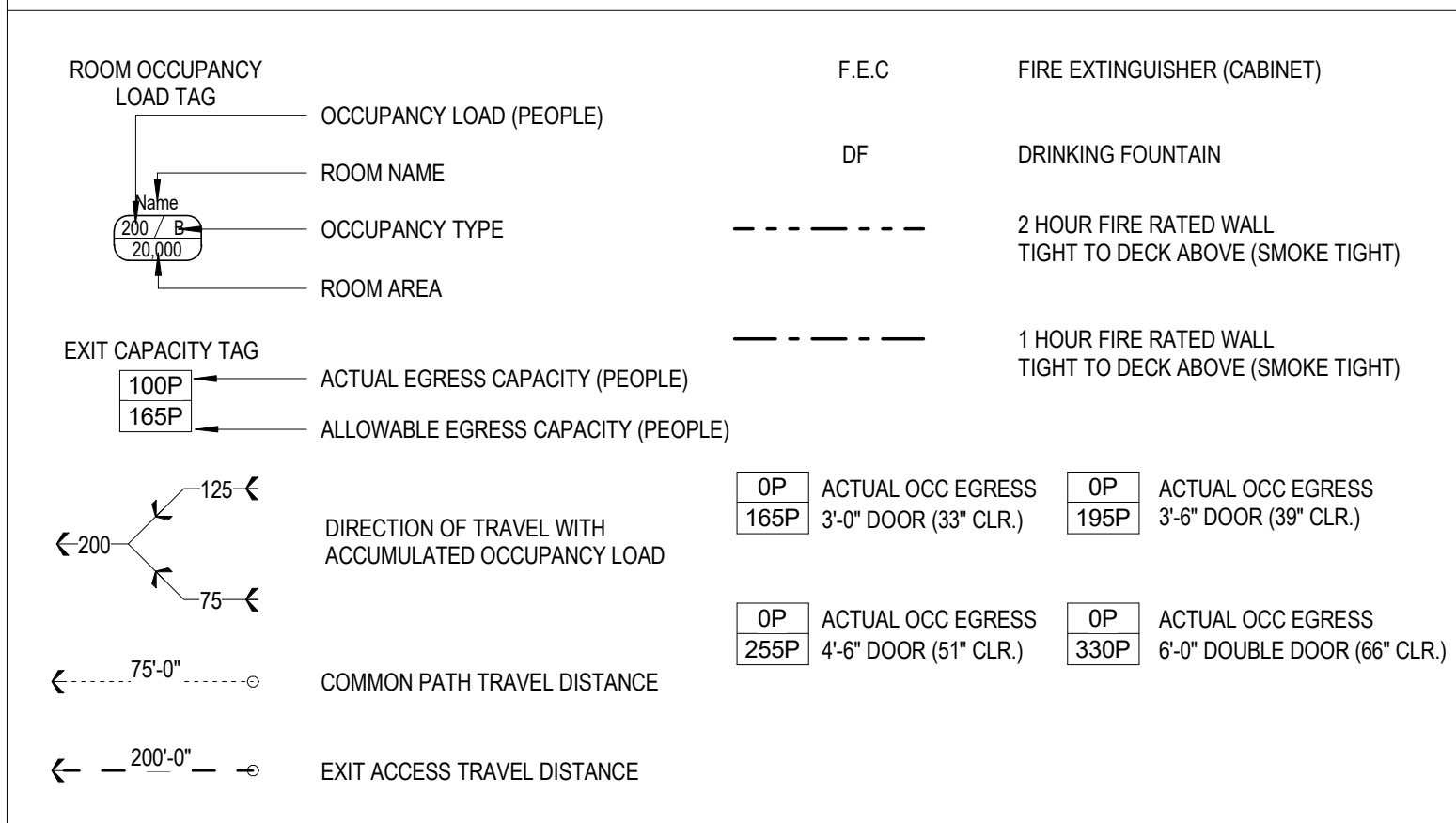
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CODE REFERENCE PLAN LEGEND



NEW OCCUPANCY BY CLASSIFICATION		
A (CHILDREN/DAYCARE)	35	16
A (GATHERING)	100	14
A (MULTIPURPOSE)	15	181
C (CORRIDOR)	100	12
E (EDUCATION)	20	138
P (PLATFORM)	15	20
SM (STORAGE/MECH)	300	4
TOTAL NEW OCCUPANT LOAD:		385
* TOTAL EXISTING OCCUPANCY - 298 OCC		

CODE INFORMATION

1. GENERAL INFORMATION
 LOCATION: PRYOR, OKLAHOMA
 AUTHORITY HAVING JURISDICTION: OKLAHOMA STATE FIRE MARSHAL
 PROJECT DESCRIPTION: NON-SPRINKLERED ADDITION OF 9,508 SF TO EXISTING CHURCH BUILDING.

2. APPLICABLE CODES
 INTERNATIONAL BUILDING CODE 2018
 INTERNATIONAL EXISTING BUILDING CODE 2018
 INTERNATIONAL MECHANICAL CODE 2018
 INTERNATIONAL PLUMBING CODE 2018
 NATIONAL ELECTRICAL CODE 2020
 INTERNATIONAL ENERGY CODE 2018
 INTERNATIONAL FIRE CODE 2018
 INTERNATIONAL FUEL GAS CODE 2018
 1991 AMERICANS WITH DISABILITIES ACT (ADA)
 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

3. GROUP CLASSIFICATION (CHAPTER 3)
 PRIMARY ASSEMBLY (A-3)
 ACCESSORY EDUCATION
 ACCESSORY STORAGE

4. CONSTRUCTION TYPE (CHAPTER 6 - SECTION 602)
 ACTUAL TYPE PROVIDED EXISTING IIB
 NEW IIB

5. BUILDING HEIGHT (CHAPTER 5 - TABLE 504.3, 504.4)
 ALLOWABLE HEIGHT NON-SPRINKLERED (STORY/FEET) 2 STORY/ 55 FEET
 ACTUAL HEIGHT (STORY/FEET) 1 STORY/ 42 FEET
 STORIES ABOVE GRADE 1 STORY

BUILDING AREA (CHAPTER 5 - TABLE 506.2)
 A. ALLOWABLE AREA - IIB - NON-SPRINKLERED 9,500 SQ. FT.
 B. ACTUAL AREA
 EXISTING CONSTRUCTION - BUILDING A 6,120 SQ. FT.
 NEW CONSTRUCTION - BUILDING B 2,308 SQ. FT.
 NEW CONSTRUCTION - BUILDING C 9,000 SQ. FT.
 TOTAL FLOOR 17,428 SQ. FT.

6. FIRE RESISTANCE RATING REQUIREMENTS (CHAPTER 6 - TABLE 601)
 STRUCTURAL FRAME (COLUMNS, GIRDERS, & TRUSSES) 0 HRS
 BEARING EXTERIOR WALLS 0 HRS
 BEARING INTERIOR WALLS 0 HRS
 NON-BEARING EXTERIOR WALLS 0 HRS
 NON-BEARING INTERIOR WALLS 0 HRS
 FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS 0 HRS
 ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS 0 HRS

7. FIRE AND SMOKE PROTECTION (CHAPTER 7)
 PLATFORM CONSTRUCTION 410.4. NO PROTECTION REQUIRED.
 EXISTING ALARM, ALARM AND STROBE SYSTEM

8. INTERIOR FINISHES (CHAPTER 8 - TABLE 803.11)
 CLASS A = FLAME SPREAD INDEX 0-25 SMOKE DEVELOPED INDEX 0-450
 TABLE 803.9 CORRIDOR ROOM/ENCLOSED SPACES
 A-3 B C

9. SPRINKLER PROTECTION (CHAPTER 9 - TABLE 903.2)
 ENTIRE FACILITY NO
 PORTABLE SUPPRESSION SYSTEM 906(NFPA10) WITHIN 75'-0" YES
 NOTIFICATION/ALARMS 100 %
 DETECTION 100 %

10. OCCUPANCY LOAD (CHAPTER 10 - TABLE 1004.1.2)
 OCCUPANT LOAD EXISTING - BUILDING A 298
 OCCUPANT LOAD NEW CONSTRUCTION - BUILDING B 91
 OCCUPANT LOAD NEW CONSTRUCTION - BUILDING C 294
 OCCUPANT LOAD TOTAL FACILITY 683

11. ACCESSIBILITY
 ACCESSIBLE ENTRANCES - SECTION 1105. AT LEAST 60% OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE. (1105.1)
 ASSEMBLY SEATING - 301-500 // 6 REQUIRED; AT LEAST 1 COMPANION SEAT FOR EACH WHEELCHAIR (TABLE 1108.2.2.1, 1108.2.3)
 TOILET ROOMS (1109.2) - AT LEAST 1 TYPE OF EACH FIXTURE, ELEMENT, CONTROL OR DISPENSER IN EACH ACCESSIBLE TOILET ROOM SHALL BE ACCESSIBLE.
 TOILET ROOMS - 5% OF THE TOTAL SHALL BE ACCESSIBLE.
 LAVATORIES - 5% OF THE TOTAL SHALL BE ACCESSIBLE.
 DRINKING FOUNTAINS (1109.5) - NOT FEWER THAN 2 DRINKING FOUNTAINS, 1 ACCESSIBLE, 1 STANDING.
 SIGNAGE (1111.1) - DIRECTIONAL SIGNAGE; TO TOILETS AND DRINKING FOUNTAINS

12. INTERIOR ENVIRONMENT (CHAPTER 12)
 VENTILATION, TEMPERATURE CONTROL, LIGHTING, YARDS, COURTS, SOUND TRANSMISSION, ROOM DIMENSIONS, SURROUNDING MATERIALS AND RODENT PROOFING ASSOCIATED WITH INTERIOR SPACES.

13. ENERGY EFFICIENT (CHAPTER 13)
 BUILDING SHALL BE DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL ENERGY CODE

OCCUPANT LOAD FACTOR (CHAPTER 10 - TABLE 1004.1.2)
 ASSEMBLY (CHAIRS ONLY - NOT FIXED) 7 NET
 UNCONCENTRATED (TABLE AND CHAIRS) 15 NET
 CHILDREN/DAYCARE 35 NET
 EDUCATIONAL CLASSROOMS 20 NET
 PLATFORMS 15 NET
 CORRIDOR 100 NET
 STORAGE/MECH 300 NET

TRAVEL DISTANCE REQUIREMENTS (TABLE 1006.2.1, 1017.2)
 ASSEMBLY (A) & EDUCATION (E) W/O SPRINKLER SYSTEM
 - COMMON PATH = 75'-0"
 - EXIT ACCESS = 200'-0"

29. MINIMUM PLUMBING FIXTURE COUNT (CHAPTER 29 - TABLE 2902.1)

EXISTING BUILDING A	298 OCCUPANTS	REQUIRED	PROVIDED
W/C FEMALE	1 PER 75	149 OCCUPANTS	1.98 - 3
W/C MALE	1 PER 150	149 OCCUPANTS	0.99 - 3
LAVATORIES	1 PER 200	298 OCCUPANTS	1.49 - 4
DRINKING FOUNTAINS	1 PER 1000	298 OCCUPANTS	0.29 - 1
SERVICE SINKS	1		1 - 1

NEW BUILDING B	91 OCCUPANTS	REQUIRED	PROVIDED
W/C FEMALE	1 PER 75	46 OCCUPANTS	0.61 - -
W/C MALE	1 PER 150	45 OCCUPANTS	0.30 - -
LAVATORIES	1 PER 200	91 OCCUPANTS	0.45 - -
DRINKING FOUNTAINS	1 PER 1000	91 OCCUPANTS	0.09 - -
SERVICE SINKS	1		- - -

NEW BUILDING C	296 OCCUPANTS	REQUIRED	PROVIDED
W/C FEMALE	1 PER 75	148 OCCUPANTS	1.97 - 4
W/C MALE	1 PER 150	148 OCCUPANTS	0.98 - 6
LAVATORIES	1 PER 200	296 OCCUPANTS	1.48 - 6
DRINKING FOUNTAINS	1 PER 1000	296 OCCUPANTS	0.29 - 1
SERVICE SINKS	1		1 - 1

EXISTING A + B + C	685 OCCUPANTS	REQUIRED	PROVIDED
W/C FEMALE			4.56 - 7
W/C MALE			2.27 - 9
LAVATORIES			3.42 - 10
DRINKING FOUNTAINS			0.58 - 2
SERVICE SINKS			2 - 2

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"The Team You Trust"

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CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

04.24.2023	REVISION 1
07.14.2023	REVISION 2
09.01.2023	REVISION 3

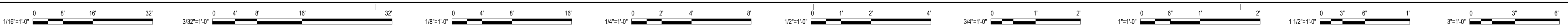
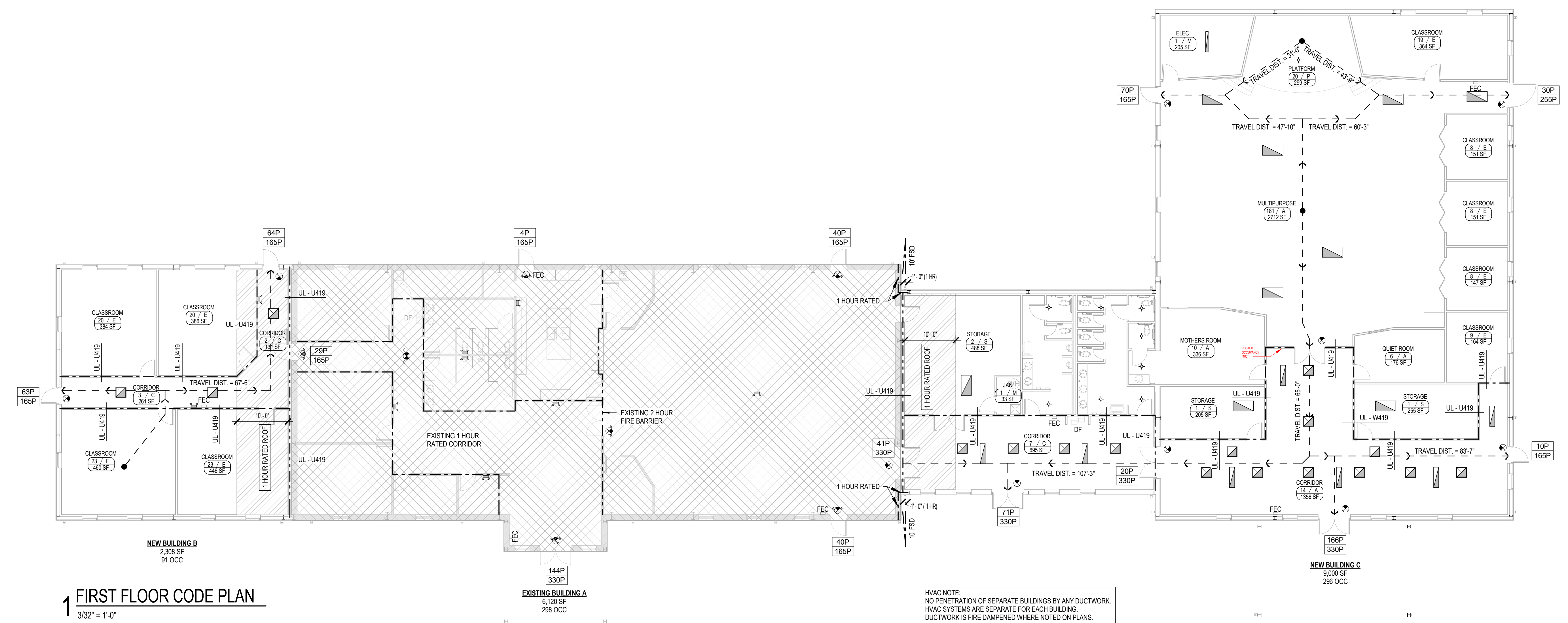
**CODE INFORMATION AND
 EGRESS PLAN**

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
 CHKD BY: Checker

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SCALE As indicated

10.09.2023



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SPECIFICATIONS

JOB 2022.28
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SCALE

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GENERAL CONTRACTING REQUIREMENTS:

- OWNER HAS PROVIDED A SITE SURVEY FOR THIS PROJECT. THE DATA CONTAINED THEREON IS TO DATE TO THE BEST OF SURVEYOR'S KNOWLEDGE. DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT.
- OWNER HAS PROVIDED A GEO-TECH REPORT FOR THIS PROJECT. THE DATA PROVIDED IN THIS REPORT IS FOR THE CONTRACTOR'S USE AND IS PROVIDED AS A COMPLEMENTARY SERVICE TO CONTRACTOR. CONDITIONS ENCOUNTERED WHICH DEVIATE FROM THIS REPORT SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ARCHITECT.
- CONTRACTOR SHALL PRESENT A PLAN TO THE OWNER AND PROJECT ARCHITECT PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH OWNER FOR ISSUES SUCH AS SITE ACCESS, LAY DOWN STORAGE AREAS, PARKING AND PROJECT SEPARATION FROM EXISTING FACILITIES.
- SITE OPERATIONS SHALL COMPLY WITH ALL REGULATIONS OF THE AUTHORITY(IES) HAVING JURISDICTION ESPECIALLY REGARDING SITE RUN-OFF CONTAINMENT, HOURS OF OPERATION, TRAFFIC AND ALL OTHER REGULATIONS PERTAINING TO NEW CONSTRUCTION PROJECTS.
- CONTRACTOR IS ADVISED TO REVIEW GENERAL NOTES OF THE OTHER DESIGN DISCIPLINES CONTAINED IN THESE CONTRACT DOCUMENTS AND TO COORDINATE WITH VARIOUS TRADES AS REQUIRED IN THOSE GENERAL NOTES.
- CONSTRUCTION OF THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE ALL CURRENT APPLICABLE BUILDING CODES AND REGULATIONS OF THE AUTHORITY(IES) HAVING JURISDICTION INCLUDING THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG).
- CONSTRUCTION DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY ONE TO THE OTHER. NEITHER TAKES PRECEDENCE OVER THE OTHER. IN CASE OF A CONFLICT, THE PROJECT ARCHITECT WILL EVALUATE AND DETERMINE A SOLUTION. GENERALLY, THE MORE STRINGENT REQUIREMENT WILL PREVAIL.
- CONTRACT DOCUMENTS ARE INSTRUMENTS OF SERVICE ONLY. THEY ARE GRAPHIC AND WRITTEN REPRESENTATION OF THE GENERAL INTENT OF THE PROJECT AND DO NOT NECESSARILY INDICATE ALL WORK OR DETAILS REQUIRED FOR A FINISHED PROJECT. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL, EQUIPMENT AND LABOR NECESSARY FOR A COMPLETED PROJECT.
- FOR WORK NOTED AS "PROVIDED BY OTHERS" OR "FURNISHED BY OWNER" CONTRACTOR SHALL COORDINATE AND PROVIDE SERVICES WITH THAT PROVIDER/FURNISHER FOR A FINISHED AND OPERABLE INSTALLATION.
- FINISH ELEVATIONS SHOWN ON CONSTRUCTION DOCUMENTS TO COORDINATE WITH ACTUAL FINISH FLOOR ELEVATION BENCHMARK ESTABLISHED BY CIVIL ENGINEER'S SITE PLAN "0-0".
- INSTALLATION OF ALL BUILDING MATERIALS SHALL BE IN STRICT ACCORDANCE WITH MOST CURRENT INDUSTRY REFERENCE STANDARDS AS THE RELATE TO EACH AND ANY ASSEMBLY WHETHER REFLECTED IN CONSTRUCTION DOCUMENTS OR NOT.
- ENLARGED PLANS AND DETAILS TAKE PRECEDENCE OVER SMALL SCALE PLANS AND ELEVATIONS. DO NOT SCALE DRAWINGS. DIMENSION CONFLICTS SHALL BE BROUGHT TO THE PROJECT ARCHITECT FOR RESOLUTION.
- UNLESS NOTED OTHERWISE, DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING COMPONENTS, OUTSIDE FACE OF CONCRETE, MASONRY (NOMINAL), FACE OF STUD, OR TO CENTERLINE OF STRUCTURAL GRID LINES AND ELEMENTS. REFER TO INTERIOR PARTITION TYPES SCHEDULE ON G-SHEETS.
- NOT EVERY PARTITION TYPE IS LABELED ON CONSTRUCTION DRAWINGS. UNLESS MARKED OTHERWISE, TYPICAL PARTITION TYPE IS AS NOTED. PARTITION TYPE WILL BE CONSISTENT THROUGHOUT ROOM UNLESS CHANGE IN PARTITION TYPE IS LABELED. IN CASE OF CONFLICT, THE MORE STRINGENT TYPE WILL PREVAIL. VERIFY WITH PROJECT ARCHITECT.
- EXISTING SITE COMPONENTS NOT SCHEDULED FOR DEMOLITION INCLUDING EXISTING LANDSCAPING ARE TO BE PROTECTED DURING CONSTRUCTION OPERATIONS. ITEMS DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED OR REPAIRED TO OWNER'S SATISFACTION.
- UNLESS NOTED OTHERWISE THIS BUILDING IS TO BE FIRE SPRINKLER PROTECTED IN ACCORDANCE WITH NFPA 13. CONTRACTOR TO PROVIDE SPRINKLER HEAD LOCATION PLAN TO ARCHITECT FOR REVIEW.
- UNLESS MARKED OTHERWISE, ALL PIPING, DUCTWORK, CONDUIT AND STRUCTURAL ELEMENTS ARE TO BE CONCEALED. STRUCTURAL AND OTHER ELEMENTS SCHEDULED TO REMAIN EXPOSED SHALL RECEIVE APPROPRIATE PROTECTIVE COATINGS WHETHER INCLUDED IN SPECIFICATIONS OR NOT.
- EXPOSED PROTRUDING ELEMENTS SUCH AS SILLS, LEDGES, SOLID SURFACE CAPS, SHELVES, DOOR TOPS AND BOTTOMS, MILLWORK SHALL BE FINISHED THE SAME THROUGHOUT.
- CONTRACTOR SHALL COOPERATE WITH OWNER DURING CONSTRUCTION TO ENSURE LEAST POSSIBLE INTERRUPTION OF ON-GOING OPERATIONS. CONTRACTOR SHALL COORDINATE DATES AND TIMES OF SITE ACCESS REQUIRED BY OWNER'S SCHEDULE OF OPERATIONS. INTERRUPTION OF EXISTING SITE UTILITIES ARE FURTHER DESCRIBED IN CONSTRUCTION SPECIFICATION DIVISIONS.
- CONSTRUCTION ITEMS SHOWN AS DELEGATED DESIGN REQUIRE COORDINATION AND INCORPORATION BY THE CONTRACTOR AND ARE NOT STAND-ALONE ITEMS NECESSARILY. CONTRACTOR AND SUPPLIER SHALL COORDINATE REQUIREMENTS TO PROVIDE A COMPLETE AND OPERABLE INSTALLATION.
- REQUESTS FOR INFORMATION WITH INFORMATION READILY AVAILABLE IN CONTRACT DOCUMENTS WILL BE RETURNED TO CONTRACTOR AND NOTED AS "INFORMATION READILY AVAILABLE".

PROJECT STANDARDS AND OUTLINE SPECIFICATIONS:

DIVISION 1: GENERAL CONDITIONS:

- AIA DOCUMENT A201 2017 WILL SERVE AS GENERAL CONDITIONS FOR THE CONSTRUCTION OF THIS PROJECT AND IS INCLUDED HEREIN BY REFERENCE.
- THE OWNER HAS PROVIDED A GEOTECHNICAL REPORT SPECIFICALLY FOR THIS PROJECT. THE GEOTECHNICAL REPORT IS INCLUDED HEREIN AS A COMPLEMENTARY SERVICE FOR THE BIDDERS' INFORMATION ONLY. THE GEOTECHNICAL REPORT IS NOT TO BE CONSIDERED AS A PART OF THE CONTRACT DOCUMENTS. THE GEOTECHNICAL REPORT DOES NOT SUPPLEMENT OR ALTER ANY OF THE PROVISIONS OF THE CONTRACT DOCUMENTS.
- NEITHER THE OWNER, GEOTECHNICAL ENGINEER NOR REED ARCHITECTS MAKE ANY REPRESENTATION THAT THE GEOTECHNICAL REPORT CONTAINS ALL CONDITIONS THAT EXIST OR THAT MAY BE ENCOUNTERED DURING CONSTRUCTION OF THE PROJECT. BIDDERS ARE RESPONSIBLE FOR DETERMINING ALL THE SITE CONDITIONS THAT MAY AFFECT CONSTRUCTION OF THIS PROJECT.
- THE GEOTECHNICAL REPORT IS INDICATIVE ONLY OF THE LOCATIONS TESTED BY THE GEOTECHNICAL ENGINEER. CONDITIONS MAY VARY AT OTHER LOCATIONS ON THE PROJECT SITE NOT TESTED OR REFLECTED IN THIS GEOTECHNICAL REPORT.

PROJECT STANDARDS:

A. DEFINITIONS

- THE TERM "REFERENCE" ELEVATION OR DIMENSIONS REFERS TO A NOMINAL WORK POINT. THE ACTUAL ELEVATION MAY VARY FROM THE REFERENCE POINT. REFER TO THE APPLICABLE DETAIL TO DETERMINE THE RELATIONSHIP BETWEEN THE ACTUAL ELEVATION OR DIMENSION AND THE STATED REFERENCE POINT.
- "FINISH FLOOR" ELEVATIONS ARE MEASURED AT THE TOP OF CONCRETE FLOOR SLAB, UNLESS OTHERWISE NOTED. APPLIED FINISHES SUCH AS RESILIENT FLOORING OR CARPET MAY RAISE THE ACTUAL FINISH SURFACE ABOVE THE REFERENCE ELEVATION PROVIDED FOR THE FINISH FLOOR. COORDINATE CHANGES IN ACTUAL FINISH SURFACE WITH DOOR HEIGHTS AND HARDWARE AS REQUIRED.

FINISH FLOOR ELEVATIONS SHOWN AT TYPICAL FLOORS INDICATE THE TOP OF THE CONCRETE SLABS WHERE EXPOSED, FINISHED WITH CARPET, THIN SET CERAMIC TILE, OR VINYL COMPOSITION TILE, UNLESS OTHERWISE NOTED. EXISTING SLAB ELEVATIONS MUST BE FIELD VERIFIED. CONSTRUCTION MANAGER/ CONTRACTOR SHALL USE CEMENT UNDERLAYMENT TO MAINTAIN ELEVATIONS INDICATED ON CONTRACT DOCUMENTS.
- WHERE CONCRETE FLOOR SLAB IS DEPRESSED TO ACCOMMODATE MORTAR BEDS, SETTING BEDS, AND OTHER SIMILAR FLOOR ASSEMBLIES, FINISHED FLOOR ELEVATIONS ARE MEASURED AS IF CONCRETE DEPRESSION DID NOT OCCUR.
- CEILING HEIGHT DIMENSIONS ARE MEASURED TO FINISHED SURFACES, UNLESS OTHERWISE NOTED. WHERE HEIGHT IS NOT NOTED ON THE FLOOR OR CEILING PLANS, VERIFY CEILING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION.
- THE "REFERENCE ROOF ELEVATION" REFERS, UNLESS OTHERWISE NOTED, TO THE ELEVATION OF THE TOP OF THE STRUCTURAL ROOF SLAB AT THE PERIMETER OF THE ROOF AREA INDICATED.

B. CONTRACT DOCUMENTS

- IT IS THE RESPONSIBILITY OF THE CONSTRUCTION MANAGER/ CONTRACTOR TO OBTAIN ALL CONTRACT DOCUMENTS, ISSUE PACKAGES, AND LATEST ADDENDA AND TO SUBMIT SUCH DOCUMENTS TO ALL SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF BUILDING COMPONENTS, AND CONSTRUCTION IN THE FIELD.
- DUE TO REPRODUCTION AND COPYING TECHNIQUES, DRAWINGS MAY OR MAY NOT BE TRUE TO SCALE AS INDICATED ON THE PRINTED SET. CONSTRUCTION MANAGER/ CONTRACTOR ARE NOT TO SCALE ANY DRAWINGS. ANY INFORMATION USED FROM SCALED DRAWINGS SHALL BE AT THE RISK OF THE CONSTRUCTION MANAGER/ CONTRACTOR.
- THE ARCHITECTURAL FLOOR PLANS, REFLECTED CEILING PLANS, SECTIONS, AND ELEVATIONS SHOW THE EXACT LOCATION OF MANY - BUT NOT ALL - EXPOSED PARTS OF THE WORK. FOR ITEMS NOT LOCATED EXACTLY, APPLY THE RULES INDICATED BY THIS SHEET "TYPICAL MOUNTING HEIGHT CONVENTIONS" TO DETERMINE THE EXACT LOCATION OF EACH EXPOSED PART OF THE WORK.
- WHERE DIMENSIONS ARE INDICATED ON THE CONTRACT DOCUMENTS, THEY ARE GIVEN TO THE CENTERLINE OF STRUCTURAL MEMBERS, FACE OF CONCRETE MASONRY UNITS, FACE OF LIGHT GAUGE FRAMING, FACE OF CONCRETE, AND/ OR FINISH FACE OF EXISTING MATERIALS AND CONSTRUCTION UNLESS NOTED OTHERWISE.
- ALL ITEMS WITHIN THESE PROJECT DOCUMENTS ARE PART OF THE BASE CONTRACT UNLESS OTHERWISE NOTED.

PROJECT STANDARDS:

B. CONTRACT DOCUMENTS

- WHERE THE STRUCTURAL ROOF SLAB IS SLOPED TO DRAIN, THE ACTUAL TOP OF SLAB ELEVATION WILL VARY FROM THE STATED "REFERENCE ROOF ELEVATION". SEE THE ARCHITECTURAL ROOF PLANS AND STRUCTURAL DRAWINGS TO DETERMINE WHERE THE STRUCTURE IS SLOPED TO DRAIN.
- INSULATION AND ROOFING MATERIALS RAISE THE ACTUAL FINISH SURFACE OF THE ROOF ABOVE THE STATED "REFERENCE ROOF ELEVATION". THICKNESS OF INSULATION AND ROOFING MATERIALS VARIES WITH THE TYPE OF ROOF SYSTEM INDICATED. SEE THE ARCHITECTURAL ROOF PLANS.
- THE ARCHITECTURAL DRAWINGS ARE A PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF ALL DRAWINGS LISTED BY THE INDEX OF DRAWINGS. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO DRAWINGS OF ANOTHER DISCIPLINE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE AND SHALL NOT BE DISTRIBUTED AND UTILIZED BY THE CONSTRUCTION MANAGER/ CONTRACTOR. IT IS THE CONSTRUCTION MANAGER/ CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUBCONTRACTORS, TRADES, AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT BEFORE COMMENCING CONSTRUCTION AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS, REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS.
- SPECIFICALLY AND INDIVIDUALLY INDICATED BY SYMBOL, KEYED NOTE, OR NOTATION ON THE ARCHITECTURAL DRAWINGS.
- OCCURRING WITHIN A ROOM OR OTHER IDENTIFIED SPACES FOR WHICH ARCHITECTURAL SHEET OR SCHEDULE NOTES INDICATE THAT DIMENSIONS PROVIDED ELSEWHERE SHALL GOVERN.
- TYPICAL DETAILS
- DETAILS LABELED "TYPICAL DETAILS", "TYP", "OH", AND "SIM" 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 AT EACH LOCATION DECISIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ARCHITECT.

DIMENSIONING CONVENTIONS:

- EXCEPT WHERE DIRECTED TO PLACE ITEMS OF THE WORK AT THE "APPROXIMATE LOCATION SHOWN", DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.
- ALL ELEMENTS OF THE DRAWINGS MAY NOT BE DRAWN TO EXACT SCALE. ALL DIMENSIONS REQUIRED ARE SHOWN (OR MAY BE DERIVED FROM THOSE SHOWN OR NOTED) ON THE FLOOR PLANS, DETAIL PLANS, ELEVATIONS, SECTIONS, SCHEDULES, CONFIGURATION DETAILS, AND SPECIFICATIONS SEE THE NOTES BELOW AND SYMBOLS THIS SHEET FOR DIMENSIONING CONVENTIONS USED ON THIS PROJECT.
- EXCEPT WHERE SPECIFICALLY NOTED TO THE CONTRARY, ALL DIMENSION SHOWN ON THE ARCHITECTURAL DRAWINGS CONFORM TO THE FOLLOWING CONVENTIONS:
 - DIMENSIONS UTILIZING THE "CENTERLINE" SYMBOL ARE MEASURED TO:
 - STRUCTURAL OR DIMENSIONAL GRID LINES.
 - CENTERLINE OF CONCRETE OR CONCRETE MASONRY UNIT WALLS (EXCLUSIVE OF FURRING OR APPLIED FINISHES HAVING THICKNESS). REFER TO THE ARCHITECTURAL PLANS AND SECTIONS, THE STRUCTURAL DRAWINGS, OR PARTITION SCHEDULE TO DETERMINE THE THICKNESS OF CONCRETE OR CONCRETE MASONRY UNIT WALLS.
 - CENTERLINE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE APPLIED TO SUCH WALLS) AT PARTITIONS FRAMED WITH METAL STUDS. REFER TO "PARTITION SCHEDULE" TO DETERMINE THE THICKNESS OF EACH PARTITION TYPE.
 - CENTERLINE OF DOOR, WINDOW, OR LOUVER OPENING.
 - CENTERLINE OF EQUIPMENT OR FURNISHING.
 - CENTERLINE OF OTHER FEATURES AS INDICATED.
 - REFER TO THIS SHEET FOR SYMBOL USED TO INDICATE CENTERLINE DIMENSION.
 - DIMENSIONS UTILIZING THE "FACE OF" SYMBOL ARE MEASURED TO:
 - FACE OF CONCRETE OR CONCRETE MASONRY UNIT WALL (EXCLUSIVE OF APPLIED FINISHES HAVING THICKNESS OR FURRING WHICH MAY BE ADDED TO THE FACE OF SUCH WALLS).
 - FACE OF PARTITION ASSEMBLY (EXCLUSIVE OF ANY APPLIED FINISHES HAVING THICKNESS WHICH MAY BE ADDED TO SUCH WALL) AS DEFINED BY THE PARTITION SCHEDULE UNLESS NOTED AS A "FACE OF FINISH" OR "CLEAR" DIMENSION (SEE NOTE "E" BELOW). DIMENSIONS ARE NOT MEASURED TO THE FACE OF APPLIED FINISH. REFER TO THE "PARTITION SCHEDULE" TO DETERMINE THE THICKNESS OF EACH PARTITION TYPE.
 - REFER TO THIS SHEET FOR SYMBOL USED TO INDICATE "FACE OF" DIMENSION
 - WHERE "FACE OF FINISH" OR "CLEAR" DIMENSIONS ARE SPECIFICALLY NOTED, THE DIMENSION IS MEASURED TO:
 - FINISH FACES AT THE MOST NARROW OR CONSTRICTED POINTS OF SECTION WHERE DIMENSION IS SHOWN. WHEN THE DIMENSION OCCURS ACROSS AN OPEN SPACE, THIS CASE, A "FACE OF FINISH" DIMENSION IS EQUIVALENT TO A "CLEAR" DIMENSION.
 - FINISH FACES AT THE WIDEST OR MOST EXPANSIVE POINT OF THE SECTION THE DIMENSION IS SHOWN WHEN THE DIMENSION OCCURS ACROSS AN OBJECT OR GROUP OF OBJECTS.
 - WHERE "EQUAL" DIMENSIONS ARE USED ON REFLECTED CEILING PLANS TO LOCATE CEILING GRID WORK POINTS, MEASURE DIMENSIONS TO:
 - EDGE OF THE INDICATED CEILING AT THE FACE OF THE ADJACENT APPLIED FINISH MEASURED AT THE PLANE OF THE CEILING.
 - CAUTION: DUE TO THE POSSIBLE APPLICATION OF APPLIED FINISHES - THICKNESS WHICH MAY VARY BETWEEN FLOOR AND CEILING AND IS NOT ACCOUNTED FOR IN EXCEPT AS INDICATED BY "CLEAR" BY THE DIMENSION SHOWN ON THE FLOOR PLANS - THE CONSTRUCTION MANAGER/ CONTRACTOR MUST ADJUST, AS NECESSARY, THE FLOOR PLAN DIMENSIONS TO REFLECT THE ACTUAL DIMENSIONS FOUND AT THE PLANE OF THE CEILING.
 - WHERE DIMENSIONS ARE NOT PROVIDED ON FLOOR PLANS TO LOCATED DOOR OPENINGS, APPLY THE FOLLOWING RULES, IN ORDER, TO DETERMINE THE LOCATION OF DOOR OPENINGS:
 - DOOR OPENINGS MAY BE DIMENSIONED ON DRAWINGS OTHER THAN THE FLOOR PLANS. REFER TO THE SECTIONS, ELEVATIONS, DETAILS, AND DOOR SCHEDULE NOTES FOR ADDITIONAL DIMENSIONAL INFORMATION.
 - WHERE THE HINGE - SIDE OF A DOOR IS SHOWN ADJACENT TO A WALL - OR WALLS - PERPENDICULAR TO THE WALL IN WHICH THE DOOR OPENING OCCURS:
 - AT DOORS OCCURRING IN METAL FRAMED GYPSUM BOARD PARTITIONS, LOCATE THE HINGE SIDE OF THE DOOR FINISHED OPENING 8" FROM THE F ACE (EXCLUSIVE OF APPLI FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.
 - AT DOORS OCCURRING IN WALLS OF CONCRETE MASONRY UNIT CONSTRUCTION, LOCATE THE HINGE SIDE OF THE DOOR FINISHED OPENING 8" FROM THE FACE (EXCLUSIVE OF APPLIED FINISHES) OF THE CLOSEST PERPENDICULAR WALL OR PARTITION ASSEMBLY.

DIMENSIONING CONVENTIONS:

- WHERE DOOR OCCURS NOT ADJACENT TO A PERPENDICULAR WALL AND EITHER "DIM E" OR "DIM F" IS 16'-0" OR LESS, LOCATED DOOR UTILIZING THE FOLLOWING MINIMUM DIMENSIONS:

DIMENSION A	=	18" MIN.
DIMENSION B	=	12" MIN.
DIMENSION C	=	DOOR WIDTH + 2" MIN.
DIMENSION D	=	6" MIN. AT METAL FRAMED GYPSUM BOARD PARTITIONS OR - UNIT MODULE
DIMENSIONS E AND F	=	AS SHOWN ON PLANS
DIMENSION G	=	36" MIN.
DIMENSION H	=	60 INCHES MIN.
- IF SPACE ALLOWS, CENTER DOOR IN WALL SHOWN ON THE DRAWINGS SO THAT EITHER "DIM A" EQUALS "DIM C" OR "DIM B" EQUALS "DIM D"
- IF "DIM E" IN DIAGRAMS BELOW IS LESS THAN THE SUM OF 2 TIMES THE DOOR WIDTH PLUS 20", LOCATE DOOR SO THAT MINIMUMS STATED BY NOTE 11.3.J. ABOVE FOR "DIM A", "DIM B", "DIM C" ARE MET - MAXIMIZING "DIM A" AND MINIMIZING "DIM D" TO THE EXTENT POSSIBLE.
- WHERE DOOR IS SHOWN LOCATED IN A LARGE EXPANSE OF OPEN WALL ("DIM E" AND "DIM F" IN DIAGRAM ABOVE BOTH EXCEED 16'-0"), PLACE DOOR AT APPROXIMATE LOCATION SHOWN ON THE PLANS. WHERE DOOR OCCURS IN CMU WALL, PLACE DOOR AT APPROXIMATE LOCATION SHOWN WHILE MINIMIZING "CUT" OR PARTIAL CMU MODULES ADJACENT THE JAMBS.
- WHERE WALLS AND/ OR PARTITIONS OF UNEQUAL THICKNESS ABUT, ALIGN EXPOSED FACES, UNLESS OTHERWISE NOTED.

TYPICAL MOUNTING HEIGHT CONVENTIONS:

- WHEN COMPLETELY DIMENSIONED ON PLANS
 - LOCATE ITEMS AS INDICATED WHEN SHOWN DIMENSIONED (BOTH HORIZONTALLY AND VERTICALLY) BY A PLAN OR DETAIL DRAWING. SPECIFIC VERTICAL DIMENSIONS SHOWN BY ELEVATIONS, SECTIONAL ELEVATIONS, OR DETAIL ELEVATIONS AND SPECIFIC HORIZONTAL DIMENSIONS SHOWN BY PLANS AND DETAIL PLANS TAKE PRECEDENCE OVER TYPICAL MOUNTING HEIGHTS AND LOCATION RULES. NON-TYPICAL MOUNTING HEIGHTS MAY BE INDICATED BY SYMBOL, BY KEYED NOTE, OR BY NOTATION ON PLAN.
 - NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER
 - WHEN NOTE DIMENSIONED AND SHOWN LOCATED ON A COLUMN OR PILASTER, AND WHEN NO OTHER TYPICAL CONVENTION APPLIES, HORIZONTALLY CENTER ITEM ON FACE OF COLUMN OR PILASTER. ALIGN VERTICALLY CENTERS OF MULTIPLE ITEMS HAVING DIFFERENT TYPICAL MOUNTING HEIGHTS. ON PLANS, ITEMS TO BE VERTICALLY ALIGNED MAY BE SHOWN ADJACENT TO ONE ANOTHER.
 - NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER
 - WHEN NOT DIMENSIONED AND SHOWN LOCATED ON A COLUMN OR PILASTER, AND WHEN NO OTHER TYPICAL CONVENTION APPLIES, HORIZONTALLY CENTER GROUP OF SIMILAR ITEMS HAVING THE SAME MOUNTING HEIGHT(S) ABOUT THE CENTERLINE OF THE COLUMN OR PILASTER.

WHEN APPLICABLE, COMBINE THIS CONVENTION WITH CONVENTION "F" TO SYMMETRICALLY ARRANGE GROUPS OF ITEMS HAVING BOTH DIFFERING AND SIMILAR MOUNTING REQUIREMENTS ARRANGE ITEMS AT SAME HEIGHT SYMMETRICALLY ABOUT THE CENTERLINE OF THE COLUMN OR PILASTER.
 - NOT DIMENSIONED AND LOCATED ON COLUMN OR PILASTER
 - WHEN NOT DIMENSIONED AND SHOWN LOCATED ON A COLUMN OR PILASTER, AND WHEN NO OTHER TYPICAL CONVENTION APPLIES, HORIZONTALLY CENTER GROUP OF DISSIMILAR ITEMS HAVING CONFLICTING MOUNTING HEIGHT(W) ABOUT THE CENTERLINE OF THE COLUMN OR PILASTER.

WHEN APPLICABLE, COMBINE THIS CONVENTION WITH CONVENTION B AND/ OR C (PREVIOUS) TO SYMMETRICALLY ARRANGE GROUPS OF ITEMS HAVING DIFFERING, SIMILAR, AND CONFLICTING MOUNTING HEIGHTS.
- NOT DIMENSIONED AND LOCATED ADJACENT TO MINIMUM STRIKE SIDE OF DOOR
 - WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO STRIKE SIDE OF DOOR, AND WHEN STRIKE-SIDE CLEARANCE IS BETWEEN 12" AND 18", AND WHEN NO OTHER TYPICAL CONVENTION APPLIES, MOUNT ITEMS IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION OF 8". VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS. WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION OF 8 INCHES AND PLACE REMAINING ADJACENT TO FIRST ON SIDE OPPOSITE FRAME. DO NOT CROWD MULTIPLE ITEMS AGAINST WALL OR RESTRICTION.
- NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR (OR WINDOW)
 - WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO DOOR, AND WHEN NO OTHER TYPICAL CONVENTION APPLIES, MOUNT ITEMS IN RELATION TO FRAME USING TYPICAL OFFSET DIMENSION OF 8 INCHES. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO FRAM USING TYPICAL OFFSET DIMENSION OF 8 INCHES AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDED OPPOSITE FRAME. SIMILAR CONVENTION APPLIES WHEN ADJACENT TO WINDOW. FOR PURPOSES OF THESE CONVENTIONS, ITEMS SHOWN APPROXIMATELY LOCATED WITHIN 4 FEET OF DOOR ARE CONSIDERED TO BE ADJACENT TO DOOR (OR WINDOW).
- NOT DIMENSIONED AND LOCATED ADJACENT TO DOOR AND ON WALL AGAINST WHICH DOOR SWINGS
 - WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO DOOR, AND WHEN NO OTHER TYPICAL CONFIGURATION APPLIES, MOUNT ITEMS IN RELATION TO SWING USING TYPICAL OFFSET DIMENSION. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO SWING USING TYPICAL OFFSET DIMENSION OF DOOR SWING + 8" AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE FRAME.

FOR PURPOSES OF THESE CONVENTIONS, ITEMS SHOWN APPROXIMATELY LOCATED WITHIN 4 FEET OF OPEN DOOR ARE CONSIDERED TO BE ADJACENT TO DOOR.
- WHEN NOT DIMENSIONED AND LOCATED ADJACENT TO CHANGE IN WALL DIRECTION
 - WHEN NOT DIMENSIONED AND SHOWN LOCATED ADJACENT TO CHANGE IN PLANE OF WALL, AND WHEN ON OTHER TYPICAL CONFIGURATION APPLIES, MOUNT ITEMS IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION OF 8 INCHES. VERTICALLY ALIGN CENTERS OF ITEMS MOUNTED AT DIFFERENT HEIGHTS.

WHEN MULTIPLE SIMILAR ITEMS HAVING THE SAME TYPICAL MOUNTING HEIGHT ARE INDICATED, MOUNT FIRST ITEM IN RELATION TO PLANE CHANGE USING TYPICAL OFFSET DIMENSION AND PLACE REMAINING ITEMS ADJACENT TO FIRST ON SIDE OPPOSITE PLANE CHANGE.

FOR PURPOSES OF THESE CONVENTIONS, ITEMS SHOWN APPROXIMATELY LOCATED WITHIN 4 FEET OF PLANE CHANGE ARE CONSIDERED TO BE ADJACENT TO CHANGE IN PLANE.

DRAWINGS CONFLICTS:

- THE CONSTRUCTION MANAGER/ CONTRACTOR SHALL COMPARE THE ARCHITECTURAL DRAWINGS WITH DRAWINGS OF OTHER DISCIPLINES AND REPORT ANY DISCREPANCY BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT PRIOR TO THE FABRICATION, INSTALLATION, AND/ OR CONSTRUCTION OF BUILDING COMPONENTS.
- AS THE CREATOR OF THE CONTRACT DOCUMENTS, THE ARCHITECT/ ENGINEER IS THE SOLE INTERPRETER OF THE DOCUMENTS, REQUEST FOR CLARIFICATIONS, REQUESTS FOR INFORMATION, AND QUESTIONS REGARDING THE CONTRACT DOCUMENTS SHALL BE MADE TO THE ARCHITECT/ ENGINEER IN WRITING PRIOR TO THE FABRICATION, INSTALLATION, AND/ OR CONSTRUCTION OF BUILDING COMPONENTS IN QUESTION.
- WHERE CONFLICTS EXIST AMONG THE VARIOUS PARTS OF THE CONTRACT DOCUMENTS, THE STRICTEST REQUIREMENTS AS INDICATED BY THE ARCHITECT AND ENGINEER SHALL GOVERN. CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY CONFLICT BEFORE PRECEDING WITH THE WORK.
- THE SPECIFICATION AND ALL CONSULTANT DRAWINGS ARE SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE CONSTRUCTION MANAGER/ SUBCONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF ANY OF THE CONSULTANT'S WORK AND BRING ANY DISCREPANCIES OR CONFLICTS TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION. IMPROPERLY INSTALLED WORK SHALL BE CORRECTED BY THE CONSTRUCTION MANAGER/ SUBCONTRACTOR AT ITS EXPENSE AND AT NO EXPENSE TO THE ARCHITECT, HIS CONSULTANTS OR THE OWNER.

EXISTING CONDITIONS:

- THE CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITION OF THE BUILDING SITE AND ANY EXISTING STRUCTURES AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO THE ARCHITECT PRIOR TO THE FABRICATION, INSTALLATION AND/ OR CONSTRUCTION OF BUILDING COMPONENTS.
- THE CONSTRUCTION MANAGER/ SUBCONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING BUILDINGS, SERVICES, MEANS OF EGRESS THROUGH THE PROJECT SITE DURING THE PERIOD OF THIS CONTRACT.
- ALL AREAS OF THIS SITE, EXTERIOR AND INTERIOR, WHICH ARE NOT IN THE SCOPE OF THE PROJECT AND ARE DISTURBED BY CONSTRUCTION SHALL BE RETURNED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE ARCHITECT, ENGINEER, OR OWNER.
- RESPONSIBILITY OF THE CONSTRUCTION MANAGER/ CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION
 - IT IS THE RESPONSIBILITY OF THE CONSTRUCTION MANAGER/ CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL ARCHITECTURAL AND STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL THE WORK IS COMPLETE OR AGREED TO BY THE ARCHITECT AND ENGINEER. CONSTRUCTION MANAGER/ CONTRACTOR SHALL SUBMIT THE BRACING AND SHORING PLAN TO THE ARCHITECT FOR INFORMATION ONLY.

SITE OBSERVATIONS BY THE ARCHITECT AND ENGINEER

- THE CONTRACT DOCUMENTS REPRESENT THE FINISHED WORK, AND EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION THE CONSTRUCTION MANAGER/ CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHOD, PROCEDURES, TECHNIQUES, SEQUENCE, AND SAFETY.
- THE ARCHITECT/ ENGINEER SHALL NOT HAVE CONTROL NOR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONSTRUCTION MANAGER, CONTRACTOR, SUBCONTRACTOR, MATERIAL PROVIDER, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND GOOD PRACTICE.
- PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF THE ARCHITECT/ ENGINEER IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONSTRUCTION MANAGER/ CONTRACTOR IS PRECEDING IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONSTRUCTION MANAGER/ CONTRACTOR.

REPRODUCTION:

- THE USE OF ELECTRONIC FILES OR REPRODUCTIONS OF THESE CONTRACT DOCUMENTS, IN PART OR WHOLE, BY ANY CONSTRUCTION MANAGER/ CONTRACTOR, SUBCONTRACTOR, FABRICATOR, AND/OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES THEIR ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATES THEMSELVES TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MIGHT OCCUR HEREON OR UNFORESEEN CONDITIONS CREATED BY THE LACK OF PROPERLY PREPARED SHOP DRAWINGS.

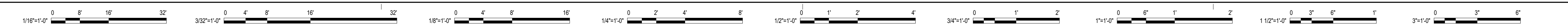
EQUIPMENT LOADS AND STRUCTURE:

- CONSTRUCTION MANAGER/ CONTRACTOR SHALL SUBMIT SPECIFICATIONS AND LOADS OF ALL CONSTRUCTION EQUIPMENTS, ERECTION AIDS, ETC. THAT WILL BE UTILIZED ON ELEVATED STRUCTURAL DECKS FOR REVIEW BY ARCHITECT/ ENGINEER PRIOR TO USE ON THE PROJECT.

CONSTRUCTION MANAGER/ CONTRACTOR:

- CONSTRUCTION MANAGER/ CONTRACTOR SHALL REQUIRE ALL SHOP DRAWINGS SUPPLIED BY SUB-CONTRACTORS, VENDORS, AND SUPPLIERS TO SHOW THE ADJOINING CONSTRUCTION AND HOW THEIR SCOPE OF WORK COORDINATES WITH OTHER BUILDING SYSTEMS AND COMPONENTS. ANCHORAGE AND ATTACHMENT SHALL BE SHOWN. SEALANT, TRIM AND OTHER FINISHES BY OTHER TRADES SHALL BE NOTED "BY OTHERS".
- CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE VARIOUS TRADE ITEMS WITHIN THE SPACE ABOVE THE CEILINGS (INCLUDING BUT NOT LIMITED TO: STRUCTURAL MEMBERS AND FIREPROOFING, MECHANICAL DUCTS AND INSULATION, CONDUITS, RACEWAYS, SPRINKLER SYSTEMS, LIGHT FIXTURES, CEILING SYSTEMS, AND ANY SPECIAL STRUCTURAL SUPPORTS REQUIRED) AND SHALL BE RESPONSIBLE FOR MAINTAINING THE FINISH CEILING HEIGHT ABOVE THE FINISH FLOOR INDICATED IN THE DRAWINGS AND THE FINISH SCHEDULE.
- CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL PREPARE COORDINATED SHOP DRAWINGS FOR ALL MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION, FINISH USUAL, AND OTHER PARTS OF THE WORK. THESE SHOP DRAWINGS SHALL INDICATE THE INTENDED ROUTING FOR ALL SYSTEMS FROM POINT OF ORIGIN TO DESTINATION. THESE SHOP DRAWINGS SHALL INDICATE REQUIRED SYSTEMS AS WELL AS STRUCTURAL COMPLETED SHOP DRAWINGS FOR ALL WORK PRIOR TO BEGINNING ANY WORK. WORK PUT IN PLACE PRIOR TO THE APPROVAL OF THE COORDINATED SHOP DRAWINGS SHALL BE SUBJECT TO REJECTION AND REMOVAL AT NO COST OT THE ARCHITECT, ENGINEER, OR OWNER.
- CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL NOT UTILIZE ELECTRONIC, PRINTED, SCANNED OR OTHER VERSION OF THE PROJECT DOCUMENTS IN ANY MANNER IN THE PRODUCTION OF THE SUBMITTALS FOR THE PROJECT. THE CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL CREATE FROM SCRATCH DOCUMENTS USED FOR SUBMITTALS AS A METHOD OF CHECKING THE PRECISION OF THE CONTRACT DOCUMENTS. SUBMITTALS RECEIVED BY THE ARCHITECT WHICH CAN BE DETERMINED TO HAVE ORIGINS WITH COPIED PROJECT DOCUMENTS WILL BE REJECTED AND RETURNED TO THE CONSTRUCTION MANAGER/ SUBCONTRACTOR. SUBMITTALS MUST REFERENCE CONSTRUCTION DOCUMENTS GRID LINES AND DIMENSIONS.
- CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL VERIFY ALL COLUMN COORDINATES AND CHECK THEM AGAINST DIMENSIONS SHOWN ON THE PLANS AND DETAILS. ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES DURING STAKING.
- CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL VERIFY EXISTING CONDITIONS AT THE SITE AND REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

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SECTION 01-4533 CODE REQUIRED SPECIAL INSPECTIONS:

ICC (IBC) INTERNATIONAL BUILDING CODE CHAPTER 17 IS HEREBY INCLUDED BY REFERENCE. SPECIAL INSPECTIONS SHALL BE IN STRICT ACCORDANCE WITH THOSE PROVISIONS AND SHALL BE PERFORMED BY QUALIFIED INSPECTION SERVICE PERSONNEL PROVIDED BY THE OWNER, INCLUDING:

- A. STEEL
B. CONCRETE
C. SOILS
D. SHEATHING
E. SEISMIC RESISTANCE
F. WIND RESISTANCE
G. OTHERS AS MAY BE REQUIRED BY AUTHORITY HAVING JURISDICTION

DIVISION 2- EXISTING CONDITIONS:

SECTION 02 4100 DEMOLITION:

- 1. COMPLY WITH APPLICABLE CODES AND REGULATIONS FOR DEMOLITION OPERATIONS AND SAFETY OF ADJACENT STRUCTURES AND THE PUBLIC.
2. OBTAIN REQUIRED PERMITS.
3. COMPLY WITH APPLICABLE REQUIREMENTS OF NFPA 241.
4. USE OF EXPLOSIVES IS NOT PERMITTED.
5. TAKE PRECAUTIONS TO PREVENT CATASTROPHIC OR UNCONTROLLED COLLAPSE OF STRUCTURES TO BE REMOVED.
6. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
7. USE PHYSICAL BARRIERS TO PREVENT ACCESS TO AREAS THAT COULD BE HAZARDOUS TO WORKERS OR THE PUBLIC.
8. CONDUCT OPERATIONS TO MINIMIZE EFFECTS ON AND INTERFERENCE WITH ADJACENT STRUCTURES AND OCCUPANTS.
9. DO NOT CLOSE OR OBSTRUCT ROADWAYS OR SIDEWALKS WITHOUT PERMIT.
10. CONDUCT OPERATIONS TO MINIMIZE OBSTRUCTION OF PUBLIC AND PRIVATE ENTRANCES AND EXITS.
11. PROTECT PERSONS USING ENTRANCES AND EXITS FROM REMOVAL OPERATIONS.

DIVISION 3- CONCRETE:

FOR CAST IN PLACE CONCRETE REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS INCLUDED HEREIN. CONSTRUCTION TO ADHERE STRICTLY TO CURRENT CODES AND REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.

DIVISION 5- METALS:

REFER TO STRUCTURAL DRAWINGS AND SPECIFICATIONS INCLUDED HEREIN. CONSTRUCTION TO ADHERE STRICTLY TO CURRENT CODES AND REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.

- A. THE CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING THE COSTS FOR ALL MISCELLANEOUS STEEL IN THEIR BID.
B. THE CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL VERIFY THAT PRIMER, USED FOR STRUCTURAL STEEL, MISCELLANEOUS METAL, AND OTHER ITEMS TO RECEIVE PAINT BY ANOTHER CONTRACTOR, IS COMPATIBLE WITH THE SPECIFIED INTERMEDIATE AND FINAL COATS TO BE APPLIED.
C. UNLESS OTHERWISE NOTED, LADDERS SHALL BE CONSTRUCTED OF PRIMED TO BE PAINTED STEEL IN COMPLIANCE WITH APPLICABLE CODE AND PROJECT CONDITIONS AND ANCHORING REQUIREMENTS.
D. GUARDRAILS SHALL BE DESIGNED TO 50 POUNDS LINEAR LOAD AND 200 POUNDS CONCENTRATED LOAD.

DIVISION 6- WOOD, PLASTICS AND COMPOSITES:

SECTION 06 1000 ROUGH CARPENTRY:

INCLUDES THE FOLLOWING:

- 1. ROOF-MOUNTED CURBS.
2. ROOFING NAILERS.
3. ROOFING CANT STRIPS.
4. PRESERVATIVE TREATED WOOD MATERIALS.
5. FIRE RETARDANT TREATED WOOD MATERIALS.
6. MISCELLANEOUS FRAMING AND SHEATHING.
7. COMMUNICATIONS AND ELECTRICAL ROOM MOUNTING BOARDS.
8. CONCEALED WOOD BLOCKING, NAILERS, AND SUPPORTS.
9. MISCELLANEOUS WOOD NAILERS, FURRING, AND GROUNDS.

ALL ROUGH CARPENTRY TO BE FIRE RATED PER INSTALLATION REQUIREMENTS. INSTALLATION TO ADHERE TO ASTM, PSI, IBC, SPECIFICATIONS AND REQUIREMENTS AS RELATED TO THIS PROJECT.

- A. BLOCKING
1. ALL WOOD WITHIN THIS PROJECT (I.E. PLYWOOD, BLOCKING, ETC.) SHALL BE FIRE TREATED.
2. 3/4" FIRE TREATED PLYWOOD BACKING 8'-0" HIGH SHALL BE PROVIDED AND INSTALLED AT TELEPHONE AND ELECTRICAL ROOMS AS REQUIRED SEE ELECTRICAL PLANS FOR EQUIPMENT LOCATIONS.

SECTION 06 2000 FINISH CARPENTRY:

INCLUDES ALL FINISHED WOOD AND WOOD SURFACES WITH STRICT ADHERENCE TO THE FOLLOWING STANDARDS AND REQUIREMENTS AS THEY RELATE TO THIS SUBJECT: ASTM, AWI, ANIWAYS, BHMA, HPVA HP-1, NEMA LD-3, PS-1, PS-2.

DIVISION 7-THERMAL AND MOISTURE PROTECTION:

A. FIREPROOFING

- 1. THE APPROACH OUTLINING THE APPLICATION OF FIRE RESISTIVE MATERIALS IN THESE CONSTRUCTION DOCUMENTS IS A GUIDELINE SHOWING INTENT. THE STRUCTURE SHALL BE PROTECTED PER THE DRAWINGS AND SPECIFICATIONS IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE. ACCORDINGLY, THE CONSTRUCTION MANAGER/ SUBCONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND APPLICATION OF FIRE RESISTIVE MATERIALS WITH OTHER TRADES.

SECTION 07 2100 THERMAL INSULATION:

INCLUDES: BATT INSULATION AND VAPOR RETARDER IN EXTERIOR WALL, CEILING AND ROOF CONSTRUCTION. EXPOSED FACED BATT INSULATION SHALL HAVE A MINIMUM FIRE SPREAD RATING OF 25. SOUND BATT INSULATION AT DESIGNATED INTERIOR WALLS. INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM C552, ASTM 553, ASTM 578, ASTM C665, FM DS 1-28 WIND DESIGN 2016. PRODUCTS BY OWENS-CORNING AND BASF ARE ACCEPTABLE AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' MOST RECENT REQUIREMENTS.

SECTION 07 2500 WEATHER BARRIERS:

INCLUDES VAPOR RETARDERS AND AIR BARRIERS AT EXTERIOR SHEATHING. APPLICABLE STANDARDS ARE AATCC TEST METHOD 127, ASTM C1177/C1177M, ASTM D226/D226M, ASTM E96/E96M, ASTM E2178, ICC-ES AC38. PRODUCTS BY 3M, BASF, DOW CHEMICAL, DUPONT ARE ACCEPTABLE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' MOST RECENT REQUIREMENTS.

DIVISION 7-THERMAL AND MOISTURE PROTECTION:

SECTION 07 4213 METAL WALL PANELS:

INCLUDES METAL PANELS FOR EXTERIOR WALL PANELS, SOFFIT PANELS, SUBGIRT FRAMING ASSEMBLY WITH RELATED FLASHING AND ACCESSORY COMPONENTS FOR A COMPLETE INSTALLATION. APPLICABLE STANDARDS ARE AAMA 2605, AAMA 609, AAMA 610, ASC 7, ASTM 653/653M. ACCEPTABLE MANUFACTURER: ALLIANCE STEEL BUILDINGS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' MOST RECENT REQUIREMENTS.

SECTION 07 6200 SHEET METAL FLASHING:

INCLUDES FABRICATED SHEET METAL ITEMS, FLASHINGS, COUNTERFLASHINGS, GUTTERS, DOWNSPOUTS, COPINGS, GRAVEL STOPS. APPLICABLE STANDARDS ARE AAMA 2605, ASTM A653/653M, ASTM B32, ASTM C920, SMACTA ARCHITECTURAL SHEET METAL MANUAL CURRENT EDITION. ACCEPTABLE MANUFACTURER: ALLIANCE STEEL BUILDINGS WITH INSTALLATION TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS.

SECTION 07 8123 INTUMESCENT COATINGS:

INCLUDES ONE-HOUR RATED INTUMESCENT COATING AND COMPRESSIBLE ROD FIRE PROTECTION FOR EXPOSED STEEL WHERE SHOWN ON CONTRACT DRAWINGS. APPLICABLE STANDARDS INCLUDE 40CFR 59, ASTM E84, ASTM E119, SSPC-PA2, UL2079. FOR COATING ACCEPTABLE MANUFACTURERS INCLUDE SHERWIN-WILLIAMS FIRE TEX FX5120; HILTI SPFS CFP-SPWB; AND EQUAL PRODUCT BY ISOLATEK. FOR INTUMESCENT COMPRESSIBLE ROD CEMCO HOT ROD FIRE STOP. INSTALLATION WILL BE IN STRICT ADHERENCE WITH MANUFACTURER'S SPECIFICATIONS AND APPLICATION METHODS WITH REQUIRED TESTING TO BE PERFORMED TO ENSURE COMPLIANCE TO ATTAIN ONE HOUR FIRE RATING.

DIVISION 7-THERMAL AND MOISTURE PROTECTION:

SECTION 07 9200 JOINT SEALANTS:

INCLUDES ALL JOINT SEALANTS AT JUNCTION OF DISSIMILAR MATERIALS INCLUDING NON-SAG GUNNABLE PRODUCTS, JOINT BACKINGS AND ACCESSORIES FOR COMPLETE INSTALLATION. APPLICABLE STANDARDS ASTM C794, ASTM C920, ASTM C1087, ASTM C1193, ASTM C 1248, SCAQMD 1168. UL 263 ACCEPTABLE MANUFACTURERS INCLUDE DOW CHEMICAL, PECORA CORPORATION, SHERWIN-WILLIAMS, SIKKA CORPORATION.

SECTION 07 9813 EXPANSION JOINT ASSEMBLIES:

INCLUDES EXPANSION JOINTS FOR FLOOR, WALL, CEILINGS, SOFFITS AND OTHER INSTALLATIONS AS SHOWN ON CONTRACT DRAWINGS. APPLICABLE STANDARDS ARE ASTM E271/E271M, ASTM E338/E338M. RATED ASSEMBLIES MUST BE INSTALLED WHERE CONDITIONS REQUIRE. ACCEPTABLE MANUFACTURERS ARE: (678 SERIES), SIKKA EMBEAL (QUITE JOINT) TO BE INSTALLED ACCORDING TO MANUFACTURERS' MOST RECENT SPECIFICATIONS AND GUIDELINES.

DIVISION 8- OPENINGS:

SECTION 08 1113 HOLLOW METAL DOORS AND FRAMES:

INCLUDES FIRE RATED AND NON-FIRE RATED HOLLOW METAL DOORS AND FRAMES AND FRAMES WITH SIDELIGHTS AS SCHEDULED IN CONTRACT DRAWINGS. APPLICABLE STANDARDS INCLUDE ADA STANDARDS, ANSISDI A250.3, ANSISDI A250.4, ANSISDI 250.6, ANSISDI 250.8, BHMA A156.115, MAAMM HMMA 840, NAAMM HMMA 861, NFPA 80, NFPA 252. ACCEPTABLE MANUFACTURERS INCLUDE CECO DOOR, CURRIE'S DOORS, REPUBLIC DOORS AND STEELCRAFT DOORS. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND GUIDELINES FOR A COMPLETE INSTALLATION.

SECTION 08 1416 FLUSH WOOD DOORS:

INCLUDES FIRE RATED AND NON-FIRE RATED FLUSH PANEL SOLID CORE WOOD DOORS AS SCHEDULED IN THE CONTRACT DRAWINGS. APPLICABLE STANDARDS INCLUDE 16 CFR 1201, AIAW/AIAC/WI (AWS), AIAW/AIAC/WI (NAAWS), NFPA 80, NFPA 252, UL 10C, WDMA I.S. 1A-21. ACCEPTABLE MANUFACTURERS INCLUDE VT INDUSTRIES; MARSHFIELD DOOR SYSTEMS. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND GUIDELINES FOR A COMPLETE INSTALLATION.

SECTION 08 3100 ACCESS DOORS AND PANELS:

INCLUDES WALL AND CEILING ACCESS DOOR AND FRAME UNITS WHERE SHOWN ON CONTRACT DRAWINGS. UNLESS NOTED OTHERWISE STANDARD SIZE SHALL BE 18 INCH BY 18 INCH WITH STEEL DOOR, HINGED STANDARD DUTY, TOOL OPERATED CAM LOCK AND DOOR HANDLE. UNITS IN GYP. BD. SHALL BE DRYWALL BEAD FRAME FLUSH MOUNT. UNITS IN MASONRY SHALL BE SURFACE MOUNTED UNITS IN CEILING SHALL MATCH GRID IF APPLICABLE OR FLUSH MOUNTED IF IN GYP. BD. ACCEPTABLE MANUFACTURERS ARE BABCOCK-DAVIS, MILCOR, NYSTRON TO BE INSTALLED ACCORDING TO MANUFACTURERS' MOST RECENT SPECIFICATIONS AND GUIDELINES.

SECTION 08 4313 ALUMINUM FRAMED STOREFRONTS:

INCLUDES ALUMINUM FRAMED STOREFRONT UNITS AS SHOWN ON CONTRACT DRAWINGS. APPLICABLE STANDARDS INCLUDE AAWA CW-10, AAMA 501.2, AAMA 503, AAMA 609/610, AAMA 611, ASTM E283, ASTM E331, ASTM E1105. UNLESS NOTED OTHERWISE SYSTEM TO BE CENTER SET FOR INSULATING GLASS. UNLESS NOTED OTHERWISE SWINGING DOORS TO BE WIDE STYLE WITH INSULATING GLASS. BASIS OF DESIGN IS KAWNEER TRIFAB VIG-4511. OTHER ACCEPTABLE MANUFACTURERS ARE MANKO, EFCO, YKK. WATER LEAKAGE TEST WILL BE REQUIRED. AAMA 501.2. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND OTHER REQUIREMENTS FOR A COMPLETE OPERATING SYSTEM.

SECTION 08 7100 DOOR HARDWARE:

INCLUDES HARDWARE FOR ALL SWINGING DOORS EXCEPT DOOR HARDWARE SUPPLIED BY OTHER INTEGRATED SYSTEMS. APPLICABLE STANDARDS ARE ADA STANDARDS, ALL ASSOCIATED BHMA STANDARDS A156.1 THROUGH A156.22, DHI (LOCKS), NFPA A117.1, NFPA 80, NFPA 252. UL INCLUDES: NEW DOOR HARDWARE TO MATCH EXISTING DOOR HARDWARE FINISH AND TRIM DESIGN. HARDWARE FUNCTIONS SHALL BE IN COMPLIANCE WITH APPLICABLE BUILDING CODE REQUIREMENTS INCLUDING FIRE RATED ASSEMBLIES WITH RATINGS AS SHOWN ON DOOR SCHEDULE HEREIN. COORDINATE NEW FIRE ALARM CONNECTIONS TO BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. VERIFY KEYING REQUIREMENTS WITH OWNER.

SECTION 08 8000 GLAZING:

INCLUDES ALL GLASS TYPES PERTINENT TO THIS PROJECT AS NOTED ON CONTRACT DRAWING GLAZING SCHEDULE. UNLESS NOTED OTHERWISE ALL EXTERIOR GLAZING SHALL BE ONE INCH DOUBLE PANE INSULATED GLASS. INTERIOR AND EXTERIOR FACES WILL BE DEFINED IN THE GLAZING SCHEDULE. APPLICABLE STANDARDS INCLUDE 16 CFR 1201, ANS1 287.1, ASCE 7, ASTM C1036, ASTM C1048, ASTM C1172, ASTM E 2190, GANA GLAZING MANUAL, GANA SEALANT MANUAL. ACCEPTABLE MANUFACTURERS INCLUDE VIRACON, PPG INDUSTRIES, PILKINGTON NORTH AMERICA WITH INSTALLATION ACCORDING TO STANDARDS AND MANUFACTURER'S REQUIREMENTS.

DIVISION 9-FINISHES:

GENERAL:

- A. ALL DIMENSIONS SHOWN ARE TO FACE OF FRAMING MEMBER UNLESS OTHERWISE NOTED IN SECTION II. "DIMENSIONING CONVENTIONS".
B. FRAMED PARTITIONS ARE DESIGNED FOR A LATERAL LOAD OF 6 PSF WITH A DEFLECTION LIMIT OF L/240.
C. ALL EXTERIOR OR LOAD BEARING WALLS SHALL BE CONSTRUCTED OF STEEL "C" STUDS OF THE SIZE SHOWN IN THE DRAWINGS. MINIMUM WIDTH OF THE STUDS SHALL BE 1 5/8" AND THE LIP OF THE "C" PORTION SHALL BE A MINIMUM OF 1/2". YIELD STRENGTH SHALL BE AS FOLLOWS: 33 KSI FOR 16 GAGE AND LIGHTER, 50 KSI FOR 16 GAGE AND HEAVIER OR AS NOTED ON STRUCTURAL DRAWINGS.
D. DO NOT WELD 20 GAGE AND LIGHTER FRAMING, UNLESS SPECIFICALLY CALLED FOR IN DRAWINGS AND DETAILS.
E. BOTTOM RUNNING TRACKS SHALL BE ANCHORED AS FOLLOWS:
1. TO STEEL - HILTI DX-35, 0.145" DIA. X-DNI FASTENERS AT 12" O.C., OR APPROVED EQUAL.
2. TO CONCRETE - HILTI DX-35, 0.145 DIA., 1" EMBEDMENT X DNI FASTENER AT 12" O.C. OR APPROVED EQUAL.

- F. STEEL STUDS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. HORIZONTAL BRIDGING SHALL BE PLACED AT 4'-0" O.C. OR AS PER MANUFACTURERS' RECOMMENDATION IF LESS THAN 4'-0" OC.
G. WHERE ACCESSORIES, CASEWORK, ETC. ARE MOUNTED TO AND SUPPORTED BY FRAMED PARTITIONS, CONSTRUCTION MANAGER/ CONTRACTOR SHALL ALERT ARCHITECT. REDUCED SPACING, INCREASE IN MEMBER GAUGE, AND/OR INCREASED MEMBER SIZE MAY BE REQUIRED AT CONSTRUCTION MANAGER/ CONTRACTOR'S DISCRETION. CONSTRUCTION MANAGER/ CONTRACTOR SHALL SUBMIT PROPOSED ALTERATIONS TO THE ARCHITECT FOR APPROVAL.
H. WHERE FLOOR TO FLOOR HEIGHTS EXCEED THE MAXIMUM UNBRACED WALL HEIGHT AS DEFINED IN THE PARTITION SCHEDULE, CONSTRUCTION MANAGER/ CONTRACTOR SHALL ALERT ARCHITECT. REDUCED SPACING, INCREASE IN MEMBER GAUGE, AND/OR INCREASED MEMBER SIZE MAY BE REQUIRED.
I. PENETRATIONS THROUGH RATED PARTITIONS SHALL COMPLY WITH UL DESIGNED ASSEMBLIES AND MAINTAIN DESIGNED PARTITION RATING. BLOCKING SHALL BE PROVIDED FOR CASEWORK, HANDRAILS, SIGNAGE, ACCESSORIES, FIXTURES, EQUIPMENT, ETC. AND SHALL BE FIRE RESISTIVE.

DIVISION 9-FINISHES:

GENERAL:

- K. WHERE PLANS INDICATE ACoustICAL PARTITIONS, PROVIDE PARTITIONS PER PARTITION TYPE. PENETRATIONS THROUGH PARTITION SHALL RECEIVE ACOUSTICAL SEALANT AS DEFINED IN JOINT SEALANTS - 07 9200.
L. FIRE CODE/ TYPE "X" GYPSUM WALL BOARD IS THE TYPICAL. MINIMUM SHEATHING MATERIAL APPLY ALTERNATE MATERIALS AS SPECIFIED IN GYPSUM BOARD ASSEMBLIES - 09 2116 AND OR AS INDICATED ON THE DRAWINGS.

SECTION 09 2116 GYPSUM BOARD ASSEMBLIES:

INCLUDES GYPSUM SHEATHING, CEMENTITIOUS BACKER BOARD, SHAFT WALL SYSTEMS, GYPSUM WALL BOARD, JOINT TREATMENT, FINISH RATINGS. APPLICABLE STANDARDS INCLUDE AIS 100-12, ANS1 A108.1, ASTM 475/475M, ASTM C845, ASTM C865, ASTM C754, ASTM C840, ASTM C1177/1177M, ASTM C1280, ASTM C1659/C1659M, GA-216, STEEL STUD MANUFACTURERS ASSOCIATION TABLES INCLUSIVE. ACCEPTABLE MANUFACTURERS ARE USG CORPORATION, NATIONAL GYPSUM COMPANY, GEORGIA-PACIFIC CORP., AMERICAN GYPSUM COMPANY. GYPSUM BOARD THICKNESS IS SPECIFIED ON CONTRACT DRAWINGS. WHERE NO THICKNESS IS NOTED INSTALL 5/8-INCH BOARD FOR VERTICAL APPLICATIONS AND 1/2- INCH FOR HORIZONTAL APPLICATIONS. BACKER BOARD THICKNESS IS 5/8". ABUSE RESISTANT GB IS 5/8". EXTERIOR SOFFIT BOARD IS 5/8". SHAFT LINER BOARD IS NOTED ON DRAWINGS BUT MUST ADHERE TO BUILDING CODE FOR RATING REQUIREMENTS. PROVIDE TYPE X AT ALL LOCATIONS UNLESS NOTED OTHERWISE. PROVIDE CASING BEADS AT ALL CORNERS, EDGES, TERMINATIONS. PROVIDE INDUSTRY RECOGNIZED FINISHES LEVELS 1 THROUGH 5 AT APPROPRIATE LOCATIONS. FOR AREAS NOT OTHERWISE DEFINED PROVIDE LEVEL 4 FINISH.

DIVISION 9-FINISHES:

SECTION 09 2216 NON-STRUCTURAL METAL FRAMING:

INCLUDES METAL PARTITION, CEILING AND SOFFIT FRAMING AND FRAMING ACCESSORIES. APPLICABLE STANDARDS INCLUDE ASTM C645, ASTM C754, ASTM E90, ASTM E413. FRAMING MAXIMUM HEIGHT DISTANCES AND GAUGE LIMITS SHALL BE IN ACCORDANCE WITH STEEL STUD MANUFACTURERS ASSOCIATION TABLES FOR ALL ASSEMBLIES. ACCEPTABLE MANUFACTURERS ARE CLARK DIETRICH BUILDING SYSTEMS, MARINO, SCAFCO, STEEL CONSTRUCTION SYSTEMS. EQUAL PRODUCTS WILL BE CONSIDERED. INSTALLATION SHALL BE ACCORDING TO APPLICABLE CODES, STANDARDS AND MANUFACTURER'S REQUIREMENTS. INTERIOR METAL STUD VERTICAL SPAN SCHEDULE: BASED ON BOTH FLANGES BRACED AT 48 INCHES OC, SSMA ICBO ER 4943P WITH MAX. DEFLECTION L/240 AT 5.0 PSF LATERAL PRESSURE.

REFERENCE STUD SIZE/GAUGE MAXIMUM HEIGHT AT 16' O.C.
250S125-18 25/28 GA 9'-6"
362S125-18 25/28 GA 12'-5"
250S125-27 22/22 GA 11'-2"
362S125-27 22/22 GA 14'-6"
600S125-27 22/22 GA 22'-4"
600S125-33 20/20 GA 15'-6"
362S125-43 18/18 GA 23'-11"
600S125-43 18/18 GA 16'-11"
800S125-43 18/18 GA 26'-0"
800S125-43 18/18 GA 33'-11"
362S125-54 16/16 GA 18'-1"
600S125-54 16/16 GA 27'-11"
800S125-54 16/16 GA 35'-6"
362S125-68 14/14 GA 19'-4"
600S125-68 14/14 GA 29'-11"
800S125-68 14/14 GA 38'-1"

NOTES: INTERIOR WALLS NOTED ABOVE ARE NOT TO BE EXPOSED TO EXTERIOR WIND LOADS AND SHALL NOT BE INSTALLED UNTIL BUILDING IS ENCLOSED.

SECTION 09 3000 TILING:

REFER TO CONTRACT DRAWINGS FINISH SCHEDULE FOR FINISHES. APPLICABLE STANDARDS INCLUDE ANSI A108/A118/A136, ANSI A108.1A; ANSI A108.4, 5, 6, 8, 9, 10, 11, 12, 13; ANSI A118.4.7, 9, 10, ANSI A137.1; TCNA HANDBOOK.

SECTION 09 5100 CEILING TREATMENTS:

REFER TO CONTRACT DRAWINGS FINISH SCHEDULE FOR FINISHES. APPLICABLE STANDARDS INCLUDE ASTM C423; ASTM C635/C635M; ASTM C636/C636M; ASTM E84; ASTM E1264

SECTION 09 6519 RESILIENT TILE FLOORING:

REFER TO CONTRACT DRAWINGS FINISH SCHEDULE FOR FINISHES. APPLICABLE STANDARDS INCLUDE ASTM D2047; ASTM F137, ASTM F386; ASTM F710; ASTM F925; ASTM F1700; ASTM F1869; ASTM F2170.

SECTION 09 6813 TILE CARPETING:

REFER TO CONTRACT DRAWINGS FINISH SCHEDULE FOR FINISHES. APPLICABLE STANDARDS INCLUDE ASTM F710; CRI 104.

SECTION 09 7200 WALL COVERINGS:

REFER TO CONTRACT DRAWINGS FINISH SCHEDULE FOR FINISHES. APPLICABLE STANDARD INCLUDES ASTM F793/F793M.

SECTION 09 9113 EXTERIOR PAINTING:

INCLUDES SURFACE PREPARATION, FIELD APPLICATION OF PAINT TO EXTERIOR SURFACES EXPOSED TO VIEW UNLESS FULLY FACTORY FINISHED AND UNLESS OTHERWISE INDICATED. APPLICABLE STANDARDS INCLUDE ASTM D16, ASTM D4442, MPI SPECIFICATION MANUAL CURRENT EDITION. ACCEPTABLE MANUFACTURERS INCLUDE: BEHR, PPG PAINTS, PRATT AND LAMBERT, SHERWIN-WILLIAMS INCLUDING PRIMERS AND FINISH COATS AS RECOMMENDED FOR SPECIFIC USE AND SUBSURFACE. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND REQUIREMENTS.

SECTION 09 9123 INTERIOR PAINTING:

REFER TO CONTRACT DRAWINGS FINISH SCHEDULE FOR SPECIFIC PAINT SELECTIONS. APPLICABLE STANDARDS INCLUDE 40CFR59; ASTM D16; ASTM D4258; ASTM D4442; MPI (APSM). ACCEPTABLE MANUFACTURERS INCLUDE: BEHR, PPG PAINTS, PRATT AND LAMBERT, SHERWIN-WILLIAMS INCLUDING PRIMERS AND FINISH COATS AS RECOMMENDED FOR SPECIFIC USE AND SUBSURFACE. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND REQUIREMENTS.

SECTION 09 9600 HIGH PERFORMANCE COATINGS:

INCLUDES SURFACE PREPARATION AND HIGH-PERFORMANCE COATINGS WHERE REQUIRED. APPLICABLE STANDARDS INCLUDE: MPI SPECIFICATION MANUAL CURRENT EDITION, SCAQMD 1113, SSPC-PA 1, SSPC-SP 6. ACCEPTABLE MANUFACTURERS ARE DOW CHEMICAL COMPANY, PPG PAINTS, TNESEC COMPANY, INC. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND REQUIREMENTS.

DIVISION 10-SPECIALTIES:

SECTION 10 1101 VISUAL DISPLAY BOARDS:

REFER TO SPECIALTY SCHEDULE ON CONTRACT DRAWINGS.

SECTION 10 1400 SIGNAGE:

REFER TO SPECIALTY SCHEDULE ON CONTRACT DRAWINGS.

SECTION 10 2113.13 TOILET PARTITIONS:

INCLUDES HDPE TOILET PARTITION PANELS, DOORS, AND URINAL SCREENS AS NOTED ON CONTRACT DRAWINGS. APPLICABLE STANDARDS INCLUDE ASTM A66; ASTM E84; NFPA 286. ACCEPTABLE MANUFACTURERS INCLUDE SCRANTON PRODUCTS, ASI PARTITIONS, INPRO. UNLESS NOTED OTHERWISE PARTITIONS SHALL BE 1-INCH-THICK OVERHEAD BRACED PANELS, DOORS AND SCREENS.

SECTION 10 2600 WALL AND DOOR PROTECTION:

REFER TO SPECIALTY SCHEDULE ON CONTRACT DRAWINGS.

SECTION 10 2800 TOILET AND BATH ACCESSORIES:

REFER TO SPECIALTY SCHEDULE ON CONTRACT DRAWINGS.

SECTION 10 4400 FIRE PROTECTION SPECIALTIES:

REFER TO SPECIALTY SCHEDULE ON CONTRACT DRAWINGS. PROVIDE FIRE EXTINGUISHERS WITH A RATING AS SHOWN ON DRAWINGS WITHIN 75 FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING. PROVIDE PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 10 POUND ABC CLASS.

DIVISION 11-EQUIPMENT:

TO BE DETERMINED

SECTION 12 3200 MANUFACTURED WOOD CASEWORK:

INCLUDES MANUFACTURED STANDARD AND CUSTOM WOOD VENEER AND PLASTIC LAMINATE CLAD CASEWORK WITH CABINET HARDWARE AND COUNTERTOPS. APPLICABLE STANDARDS INCLUDE AIAW/AIAC/WI (AWS) CUSTOM GRADE FOR CABINETS AND COUNTERTOPS. REFER TO CONTRACT DRAWINGS.

DIVISION 13-SPECIAL CONSTRUCTION:

SECTION 13 3419 METAL BUILDING SYSTEMS:

INCLUDES MANUFACTURER ENGINEERED AND CERTIFIED SHOP FABRICATED STEEL BUILDING FRAME WITH ASSOCIATED BUILDING ELEMENTS AS DESCRIBED ON CONTRACT DRAWINGS. APPLICABLE STANDARDS INCLUDE AIS3 360, ASTM A36/A36M, MBMA (MBSM) UL 580. ACCEPTABLE MANUFACTURERS ARE ALLIANCE, BUTLER, VARCO PRUDEN, MBOI, RIGID GLOBAL, BC STEEL. APPLICABLE STANDARDS INCLUDE MOST RECENT ADA STANDARDS FOR ACCESSIBLE DESIGN, ASME A17.1, ASME A18.1, AISC 360, NEMA MG-1, NFPA 70.

DIVISION 22-PLUMBING:

IN STRICT ADHERENCE TO IBC AND APPLICABLE BUILDING CODES OF STATE FIRE MARSHALL AND AUTHORITIES HAVING JURISDICTION.

DIVISION 23-MECHANICAL:

IN STRICT ADHERENCE TO IBC AND APPLICABLE BUILDING CODES OF STATE FIRE MARSHALL AND AUTHORITIES HAVING JURISDICTION.

A. DEVICES

- 1. THE SIZE, COLOR, AND FINISH OF TRIM KITS SHALL MATCH SURROUNDING FINISHES UNLESS NOTED OTHERWISE, COORDINATE FINAL COLOR, FINISH SIZE, AND ORIENTATION OF TRIM KITS WITH ARCHITECT/ENGINEER.

B. ACCESS PANELS

- 1. FIXTURES INSTALLED IN ACOUSTICAL TILE CEILING SHALL BE INSTALLED "CENTER OF TILE" UNLESS OTHERWISE NOTED.
ACCESS PANELS, WHERE REQUIRED BY BUILDING CODE OR FOR THE PROPER OPERATION OR MAINTENANCE OF MECHANICAL OR ELECTRICAL EQUIPMENT, SHALL BE PROVIDED AND INSTALLED AS SHOWN ON THE REFLECTED CEILING PLANS. CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL COORDINATE SIZE, LOCATION AND TYPE OF ACCESS PANEL WITH OTHER CONTRACTORS WORK AND RECEIVE APPROVAL OF THE ARCHITECT. ACCESS PANEL SHALL BE AS SPECIFIED. REFER TO SECTION 08 3100.

DIVISION 26-ELECTRICAL:

IN STRICT ADHERENCE TO IBC AND APPLICABLE BUILDING CODES OF STATE FIRE MARSHALL AND AUTHORITIES HAVING JURISDICTION.

A. GENERAL AND EMERGENCY LIGHT LEVELS ARE DESIGNED AROUND THE SPECIFIC FIXTURES, LOCATIONS, AND QUANTITIES SPECIFIED IN THESE DOCUMENTS. ANY CHANGES BY THE CONSTRUCTION MANAGER/ SUBCONTRACTOR SHALL BE VERIFIED TO ENSURE THAT EQUIVALENT LIGHT LEVELS ARE PROVIDED.

DIVISION 28- FIRE DETECTION AND ALARM:

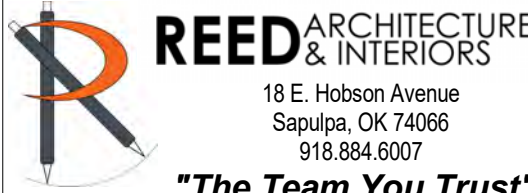
IN STRICT ADHERENCE TO IBC AND APPLICABLE BUILDING CODES OF STATE FIRE MARSHALL AND AUTHORITIES HAVING JURISDICTION.

- A. APPLICABLE STANDARDS INCLUDE NFPA 72; NFPA 76; NFPA 101; NFPA 601; UL268. PROVIDE COMPLETE FIRE ALARM SYSTEM COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM WITH MODIFICATIONS AND EXTENSIONS AS REQUIRED FOR COMPLETE INSTALLATION

DIVISION 31-EARTHWORK:

IN STRICT ADHERENCE TO IBC AND APPLICABLE BUILDING CODES OF AUTHORITIES HAVING JURISDICTION.

- A. INSTALL CHEMICAL TERMITICIDE FOR ALL NEW CONSTRUCTION FOOTPRINTS.



"The Team You Trust"

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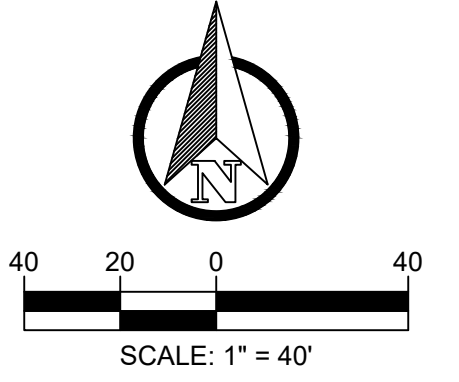
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CONSTRUCTION SET
10/09/2023

PRYOR CREEK
MENNONITE
CHURCH

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**PRYOR CREEK
MENNONITE
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1919 W. 470
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REVISIONS

**OVERALL SITE PLAN &
FIRE MARSHAL EXHIBIT**

BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 08/30/2025

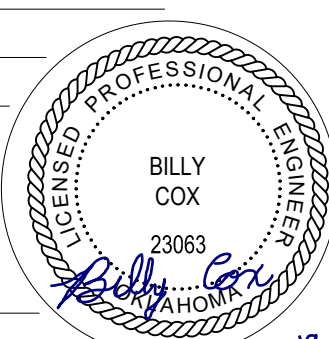
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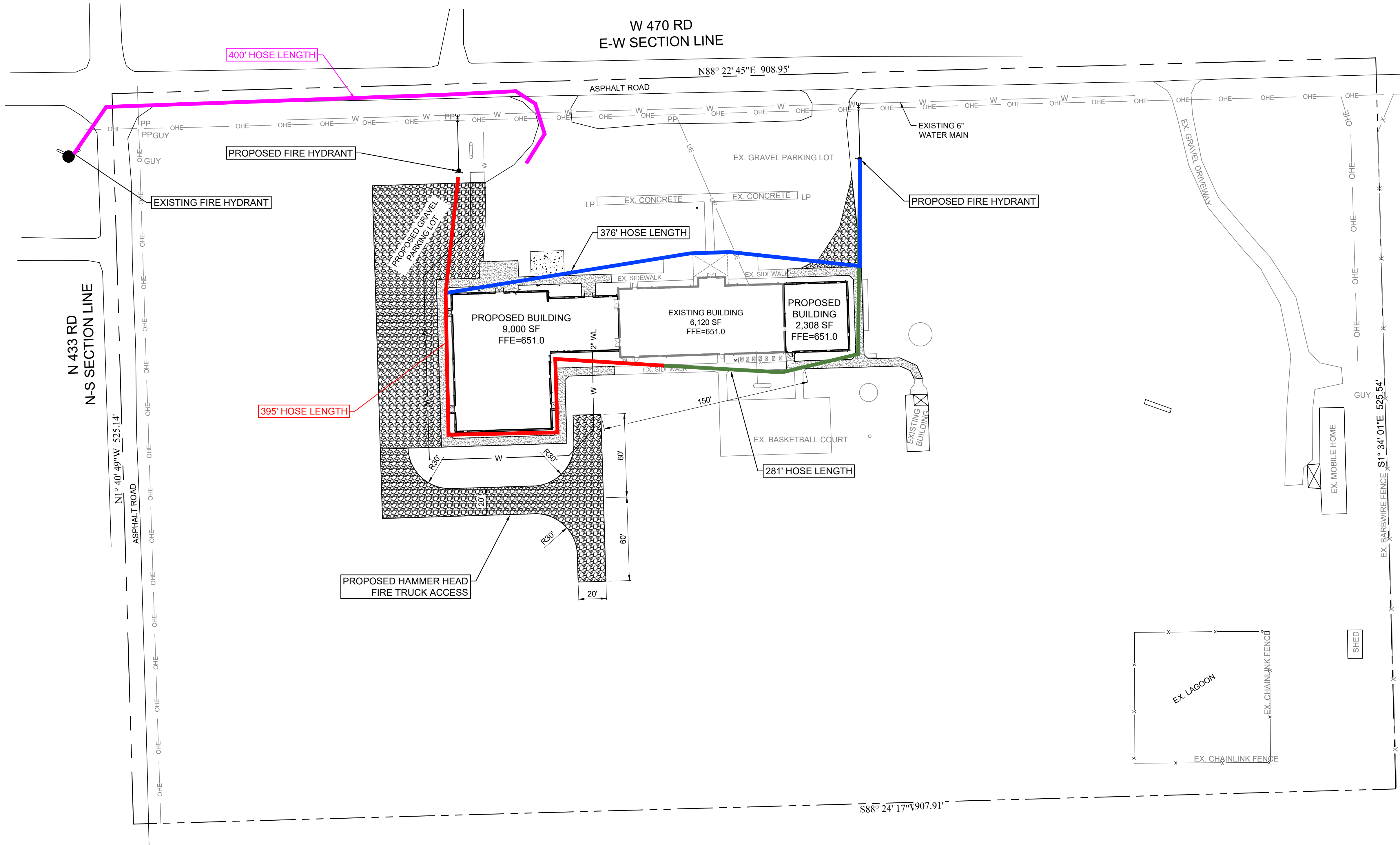
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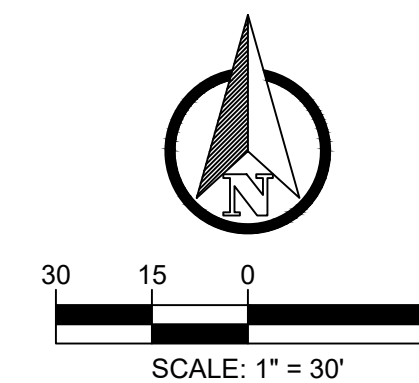
SCALE

10-19-2023



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OKLAHOMA ONE-CALL SYSTEM, INC.

PRYOR CREEK MENNONITE CHURCH

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REVISIONS

SITE PLAN

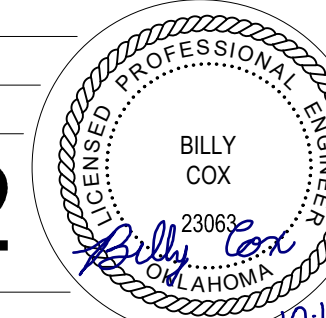
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ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2025

JOB 2022.28
ISSUE 10/19/2023

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SCALE

SITE PLAN NOTES

1. THE CONTRACTOR SHALL CONTACT "OKIE" AT 811 OF 800-522-6543, THREE (3) WORKING DAYS BEFORE BEGINNING ANY WORK, SO EXISTING UNDERGROUND UTILITIES CAN BE LOCATED AND MARKED.
2. EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
3. SIDEWALK EXPANSION JOINTS SHALL BE PLACED IN ACCORDANCE WITH DETAIL.
4. EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH STRUCTURAL BUILDING PLANS AND SPECIFICATIONS AND THE GEOTECHNICAL REPORT FOR THIS PROJECT.
5. ALL CONSTRUCTION AND METHODS TO BE IN STRICT ACCORDANCE WITH LOCAL JURISDICTION STANDARD SPECIFICATIONS AND DETAILS.
6. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS. MAINTAIN ALL BARRICADES, WARNING SIGNS, FLASHING LIGHTS AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION. CONTRACTOR SHALL COMPLY WITH ALL O.S.H.A. REGULATIONS AND SAFETY REQUIREMENTS.
7. CONTRACTOR IS TO BE RESPONSIBLE FOR OBTAINING ANY REQUIRED STATE OR LOCAL PERMITS. CONSTRUCTION MEANS AND METHODS SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
8. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE, AS NECESSARY, TO RETURN IT TO THE EXISTING CONDITION OR BETTER. CONTRACTOR SHALL REPAIR AND RESTORE ANY AREAS DAMAGED DURING CONSTRUCTION AT HIS OWN EXPENSE.
9. CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION CONTROL MEASURES PER THE EROSION CONTROL PLAN.
10. THE CONTRACTOR SHALL PERFORM THE WORK ACCORDING TO ALL LOCAL JURISDICTION, COUNTY, STATE AND FEDERAL SAFETY AND HEALTH REGULATIONS. IN PARTICULAR THE "TRENCHING" AND "OPEN EXCAVATION" OPERATIONS SHALL COMPLY WITH ALL CURRENT O.S.H.A. REGULATORY REQUIREMENTS.
11. ALL PAVEMENT MARKING OF STRIPES TO BE 4" WIDE, WHITE AND APPLIED IN TWO COATS, UNLESS OTHERWISE NOTED.
12. PARKING LOT STRIPING AND REQUIRED ADA ACCESSIBLE AISLES SHOWN ON PLAN SHALL BE MARKED IN ACCORDANCE WITH CURRENT ADA GUIDELINES.
13. ALL NEW SIDEWALKS, IF ANY, NOT ADJACENT TO THE BUILDING, SHALL BE 4" THICK AND A MINIMUM OF FOUR (4) FEET WIDE. SIDEWALKS SHALL HAVE A LIGHT BROOM FINISH WITH A MAXIMUM CROSS SLOPE OF TWO PERCENT. TRANSVERSE CONTRACTION JOINTS SHALL MAINTAIN AN EQUAL SPACING WITH THE SIDEWALK WIDTH. SIDEWALK EXPANSION JOINTS SHALL NOT EXCEED 40 FOOT SPACING UNLESS OTHERWISE NOTED.

ADA NOTES

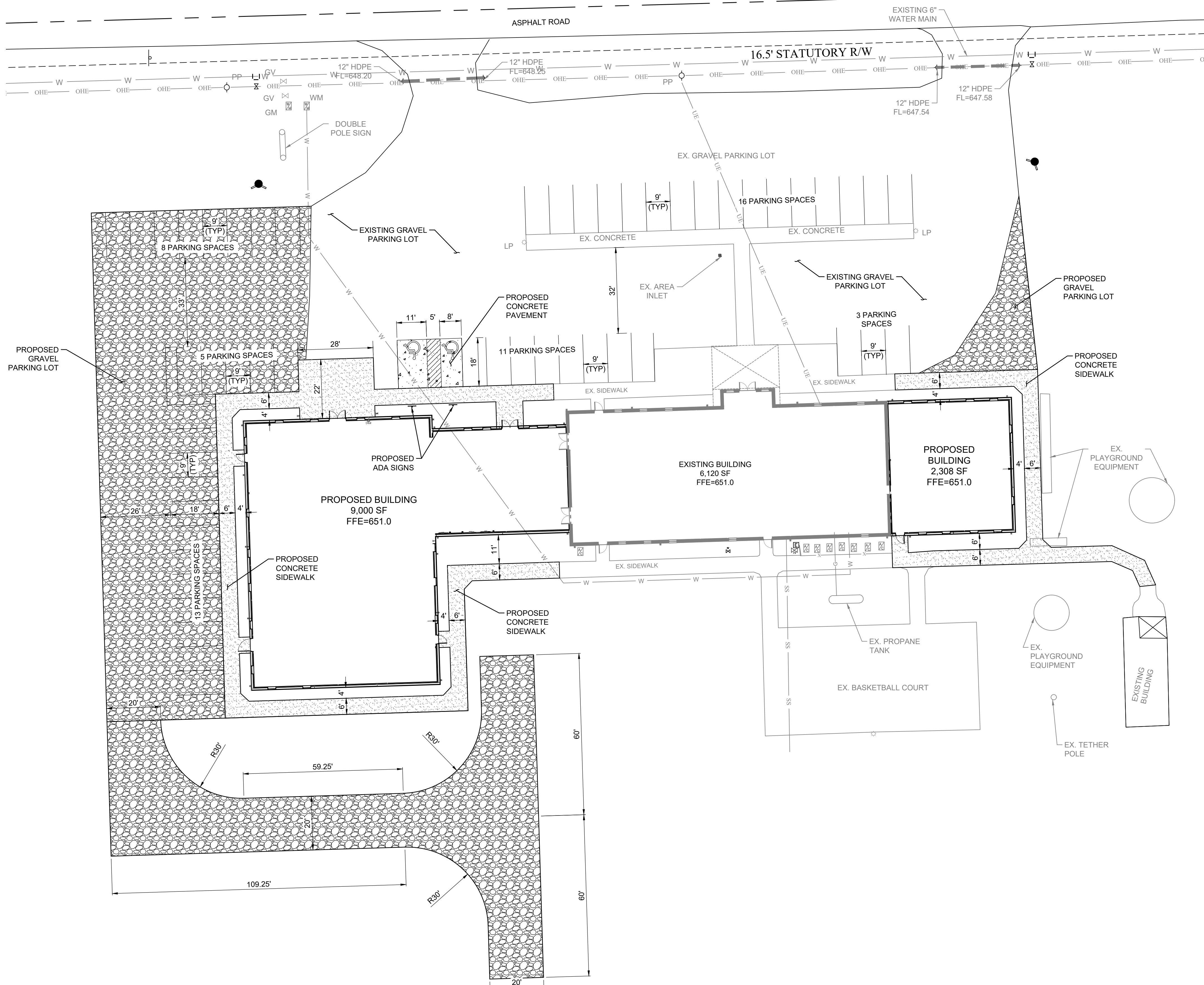
1. ANY REQUEST BY THE GOVERNING AUTHORITY OR INSPECTOR TO ALTER ADA COMPLIANCE DETAILS OR REQUIREMENTS DEPICTED ON AND IN THESE PLANS AND SPECIFICATIONS MUST BE DIRECTED TO THE OWNER'S CONSTRUCTION MANAGER FOR AUTHORIZATION. ANY CHANGES MADE WITHOUT PROPER AUTHORIZATION AND LATER FOUND TO BE NON-COMPLIANT WITH THE DETAILS AS SHOWN ON AND IN THESE PLANS AND SPECIFICATIONS WILL BE REMOVED AND REPLACED TO BE MADE FULLY COMPLIANT, REGARDLESS OF MAGNITUDE, AT THE CONTRACTOR AND/OR SUB-CONTRACTOR'S EXPENSE. THE CONTRACTOR MUST FOLLOW THE "REQUEST FOR INFORMATION" (RFI) PROCESS IN ACQUIRING THE APPROVAL OF CHANGES TO ADA RELATED ITEMS.
2. ALL NEW SIDEWALKS OR ADA PATHS (SIDEWALKS TO BE REMOVED & REPLACED OR STRIPED ADA PATHS) SHALL NOT EXCEED 2% CROSS SLOPE & 5% RUNNING SLOPE. FOR SIDEWALKS CONTAINED WITHIN THE PUBLIC R/W AND WHEN ADJACENT STREET GRADES EXCEED 5%, THEN SIDEWALK RUNNING SLOPES MAY MATCH STREET GRADES.
3. 1/8" MAXIMUM DEPTH TO TOP OF SEALANT AND 1/8" MAXIMUM PROTRUSION TO TOP OF SEALANT ALONG ADA ACCESS ROUTES.
4. PRIVATE PROPERTY RAMPS SHALL HAVE THE FACE OF THE CURB TRANSITIONS PAINTED YELLOW.
5. ALL ADA PARKING AREAS SHALL BE 2% MAXIMUM IN ALL DIRECTIONS.

GENERAL SPECIFICATION NOTES:

1. ALL CIVIL WORK ON PLANS TO BE IN ACCORDANCE WITH OKLAHOMA DEPARTMENT OF TRANSPORTATION 2019 STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.

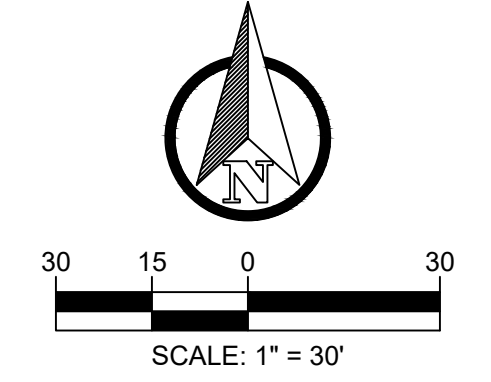
W 470 RD
E-W SECTION LINE

N88° 22' 45"E 908.95'



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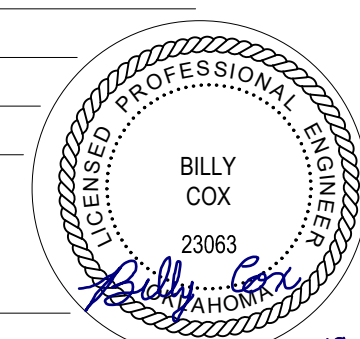
PRYOR CREEK MENNONITE CHURCH
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REVISIONS

EROSION CONTROL PLAN

BILLY COX, P.E.
 ROUTE 66 ENGINEERING, LLC
 CA #8853, DATE 06/30/2025

JOB: 2022.28
 ISSUE: 10/19/2023
 DRAWN BY: BD
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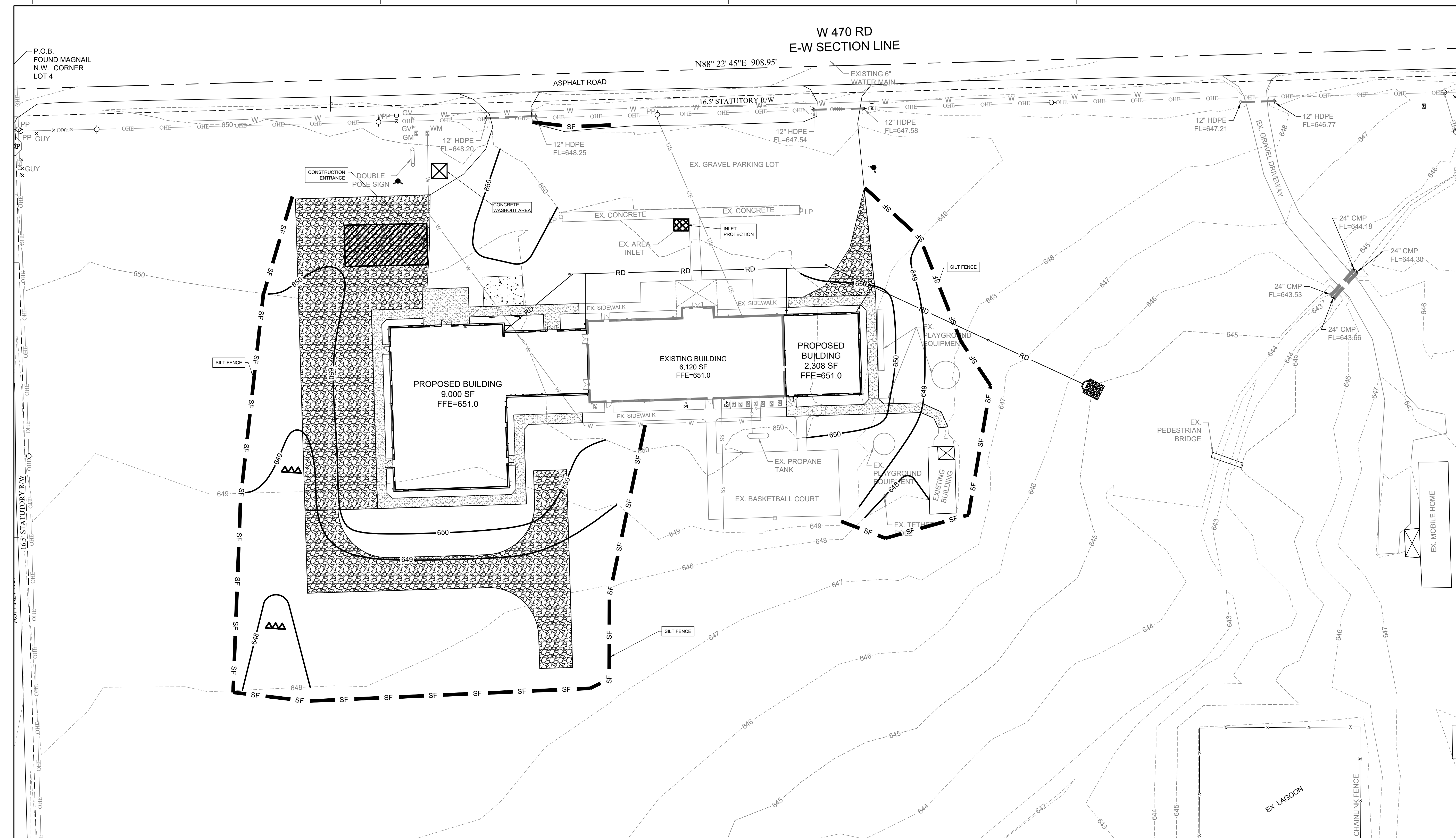


CE101

SCALE

**W 470 RD
 E-W SECTION LINE**

N88° 22' 45"E 908.95'



EROSION CONTROL NOTES

- ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE EXECUTION OF ANY GRADING WORK AND MAINTAINED BY THE GRADING CONTRACTOR FOR THE DURATION OF THE GRADING PROJECT. FAILURE TO INSTALL AND MAINTAIN EROSION CONTROL IS A VIOLATION OF STATE LAW AND SUBJECT TO FINE.
- THE APPROPRIATE EROSION CONTROL DEVICE(S) SHALL BE INSTALLED PRIOR TO THE INCEPTION OF ANY LAND DISTURBING ACTIVITY AND SHALL BE PROPERLY MAINTAINED AND/OR OPERATED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST.
- ALL EROSION CONTROL DEVICES AND THEIR INSTALLATION SHALL MEET THE STANDARDS PRESCRIBED IN THE CURRENT GUIDELINES FOR STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES.
- SEDIMENT FILTER, SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSTRUCTED PER ROGERS COUNTY STANDARDS
- SEDIMENT COLLECTED BEHIND THE SEDIMENT FILTERS AND SILT FENCES SHALL BE REMOVED WHEN SEDIMENT REACHES ONE THIRD THE HEIGHT OF THE BARRIER.
- SEDIMENT FILTERS AND SILT FENCES SHALL BE INSPECTED AND MAINTAINED NO LESS THAN WEEKLY OR WITHIN 24 HOURS OF A RAINFALL EVENT OF 0.5 INCHES OR MORE. MAINTENANCE SHALL INCLUDE BUT NOT LIMITED TO SEDIMENT REMOVAL, BARRIER REPAIR AND/OR REPLACEMENT.
- CONSTRUCTION SITE ENTRANCE: THE CONTRACTOR SHALL CONSTRUCT AS A MINIMUM ONE STABILIZED CONSTRUCTION ENTRANCE AT THE LOCATION SHOWN ON THE PLANS. IF ADDITIONAL INGRESS AND EGRESS TO THE CONSTRUCTION SITE IS REQUIRED, THE CONTRACTOR SHALL COORDINATE WITH THE CONSTRUCTION MANAGER THE LOCATION OF THESE ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES. USAGE OF NON-STABILIZED POINTS FOR INGRESS AND EGRESS WILL NOT BE PERMITTED. THE STABILIZED ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY AND PAVED DRIVING LANES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS WARRANT. REPAIR OF THE ENTRANCE(S) OR CLEANING OF THE RIGHT-OF-WAY AND PAVED DRIVING LANES THAT HAVE BEEN SOILED SHALL BE PERFORMED BY THE CONTRACTOR AT HIS OWN EXPENSE, SATISFACTORY TO THE CONSTRUCTION MANAGER. WHEN NECESSARY, VEHICLE WHEELS AND TIRES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING ONTO PUBLIC RIGHTS-OF-WAY AND PUBLIC STREETS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE.
- THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, PERIODICALLY WATER THE SITE TO CONTROL DUST.
- SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED FOLLOWING CONSTRUCTION OR UPON PERMANENT STABILIZATION OF THE DISTURBED AND GRADED AREAS, WHICHEVER OCCURS LAST.

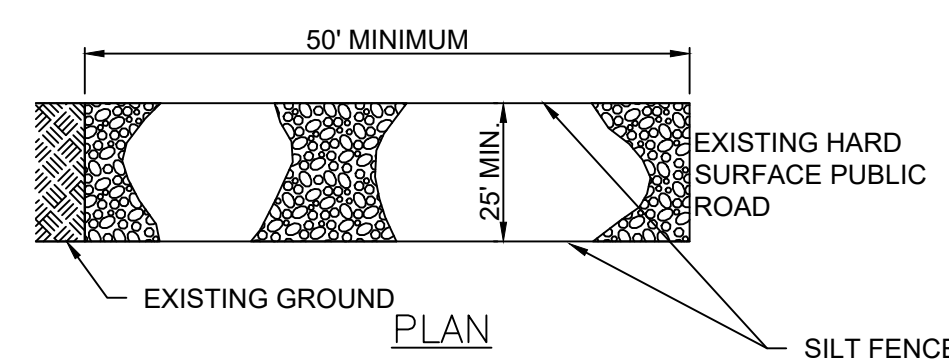
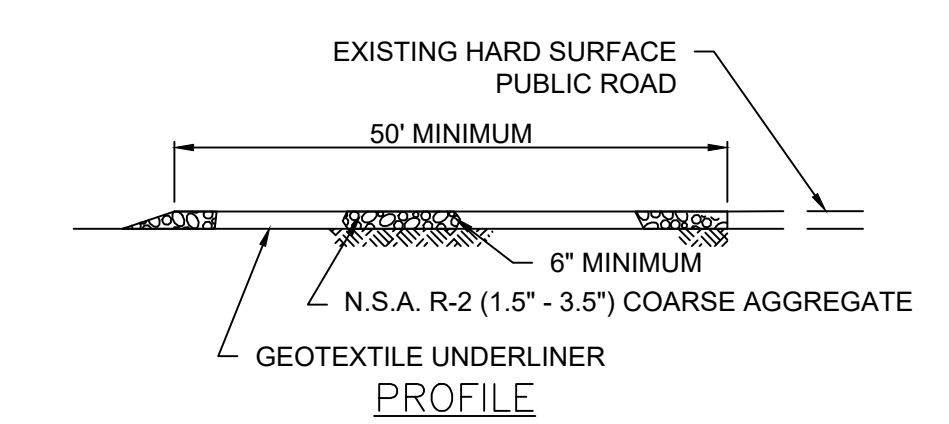
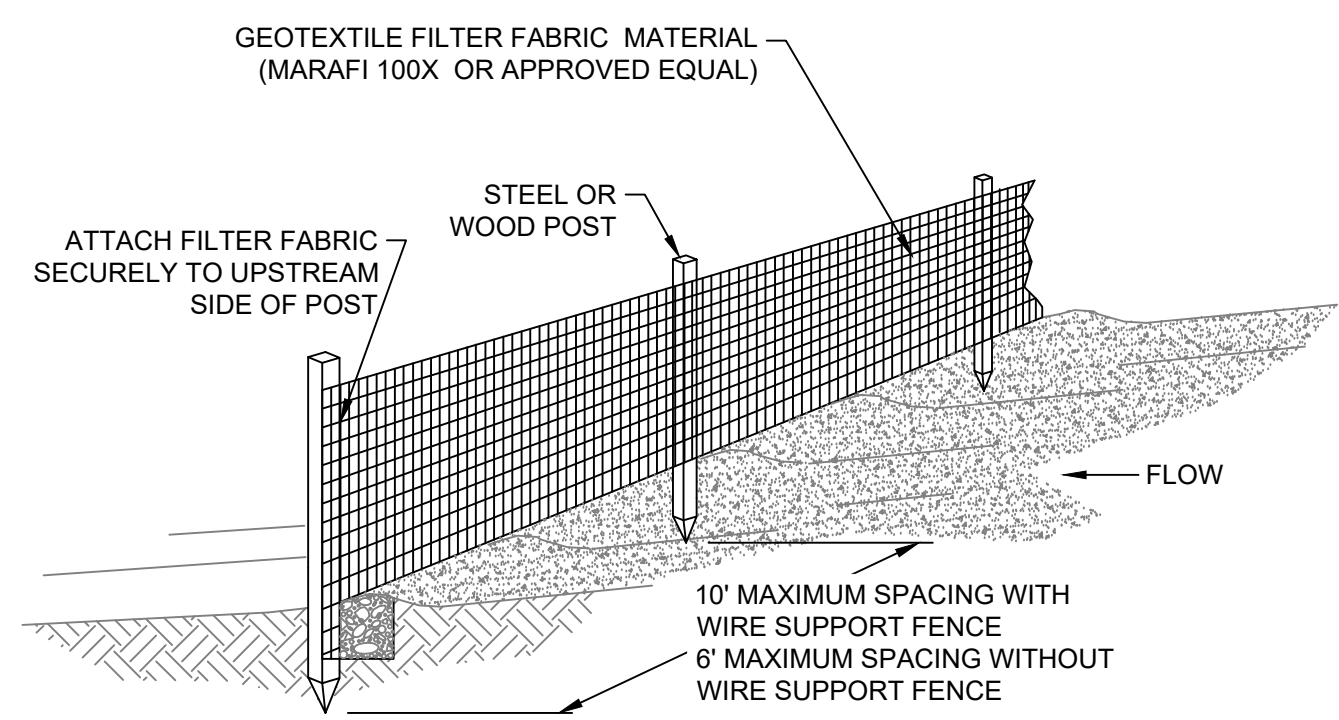
EROSION CONTROL LEGEND

	CONSTRUCTION ENTRANCE
	SILT FENCE
	INLET PROTECTION
	CONCRETE WASHOUT
	TYPE 1 PLAIN RIP-RAP (D50 > 0.80 FT. - 18" THICK)
	SILT DIKE

**TOTAL DISTURBED AREA
 2.3 ACRES**

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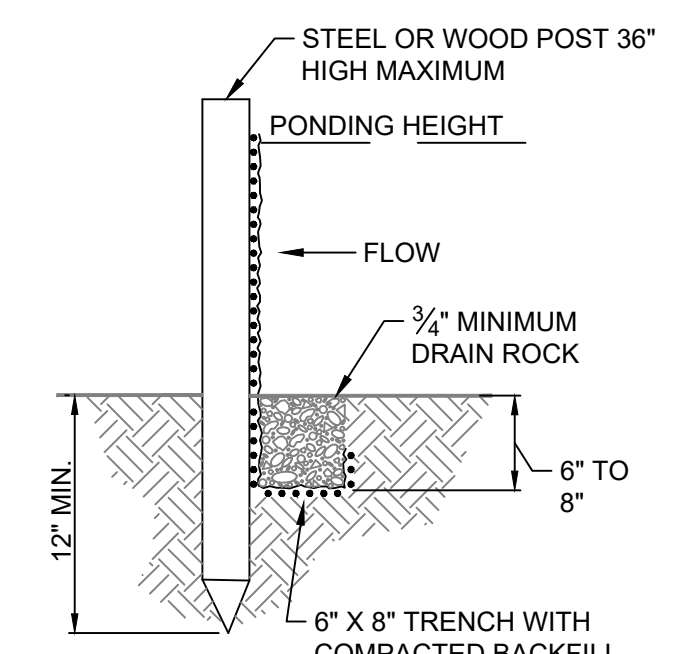
10-19-2023



SILT FENCE TO BE PLACED ALONG THE EDGE OF STONE ON BOTH SIDES TO DIRECT TRAFFIC THROUGH ENTRANCE FOR THE FULL LENGTH

DETAIL NOTES:

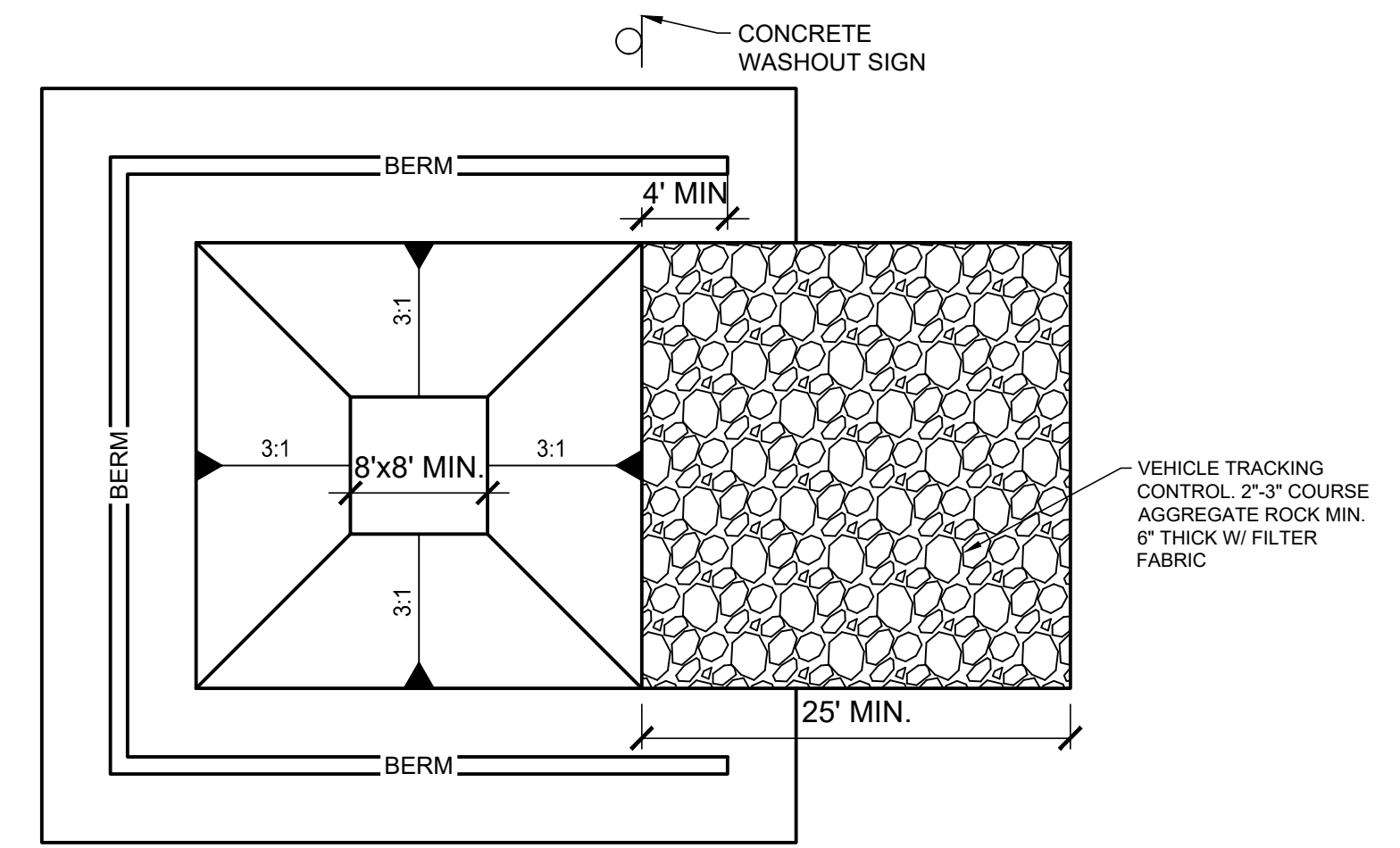
1. STONE SIZE SHALL BE N.S.A. R-2 (1.5" TO 3.5") COARSE **CLEAN** AGGREGATE WITH A GEOTEXTILE UNDERLINER.
2. LENGTH-AS EFFECTIVE. BUT NO LESS THAN 50 FEET.
3. THICKNESS-NOT LESS THAN SIX (6) INCHES.
4. WIDTH-NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS, OR AS INDICATED ON THE PLAN.
5. WASHING-WHEN NECESSARY. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATER-COURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
6. MAINTENANCE-THE ENTRANCE/EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.



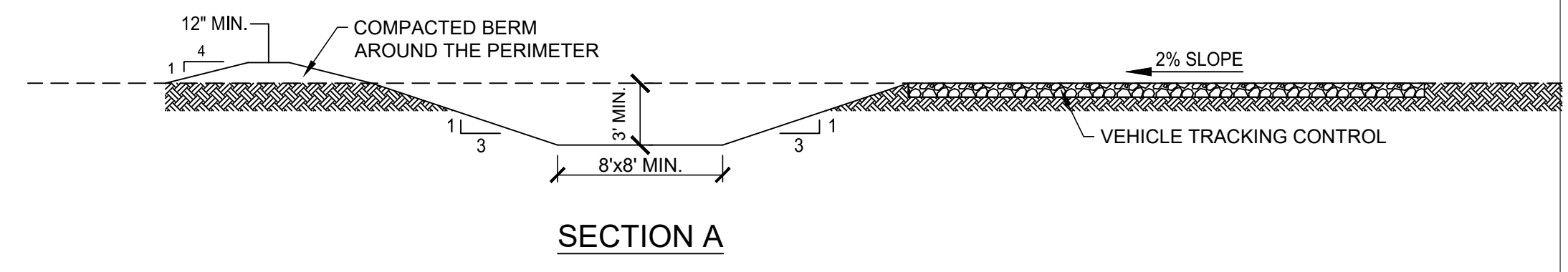
TRENCH DETAIL

FABRIC FILTER SILT FENCE NOTES:

1. MUST BE INSTALLED PROPERLY TO AVOID NOTICE OF VIOLATION.
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE POUNDING EFFICIENCY.
3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9' MAXIMUM RECOMMENDED STORAGE HEIGHT.
4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.



CONCRETE WASH-OUT AREA PLAN



SECTION A

- CONCRETE WASH-OUT AREA INSTALLATION NOTES:**
1. DO NOT LOCATE THE CONCRETE WASH-OUT AREA WITHIN 400 FEET OF ANY NATURAL DRAINAGE PATHWAY OR WATER BODY, OR WITHIN 1000 FEET OF ANY WELLS OR DRINKING WATER SOURCES.
 2. THE CONCRETE WASH-OUT AREA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
 3. CONCRETE WASH-OUT AREA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' BOTTOM, SLOPES LEADING OUT OF THE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
 4. THE CONCRETE WASH-OUT PIT SHALL BE LINED WITH EITHER A, 20 MIL THICK IMPERMEABLE SYNTHETIC LINER, OR SIMILAR EQUIVALENT LINERS TO MAKE THE PIT LEAK PROOF.
 5. BERM ALONG THE SIDES AND BACK OF THE CONCRETE WASH-OUT AREA SHALL HAVE A MINIMUM HEIGHT OF 1'.
 6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CONCRETE WASH-OUT AREA.
 7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE WASH-OUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASH-OUT AREA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
 8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.
 9. STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASH-OUT DEVICES OR A LINED, ABOVE GROUND STORAGE AREA ARE ACCEPTABLE.

- CONCRETE WASH-OUT AREA MAINTENANCE NOTES:**
1. THE CONCRETE WASH-OUT AREA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2 FEET.
 2. CONCRETE WASH-OUT WATER, WASTER PIECES OF CONCRETE, AND ALL OTHER DEBRIS IN THE CONCRETE WASH-OUT PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER-TIGHT CONTAINER AND DISPOSED OF PROPERLY.
 3. THE CONCRETE WASH-OUT AREA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
 4. WHEN THE CONCRETE WASH-OUT AREA IS REMOVED, COVER THE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH OR OTHERWISE STABILIZED IN AN APPROVED MANNER.

CONSTRUCTION ENTRANCE

SCALE: NTS

SPECIFIC APPLICATION

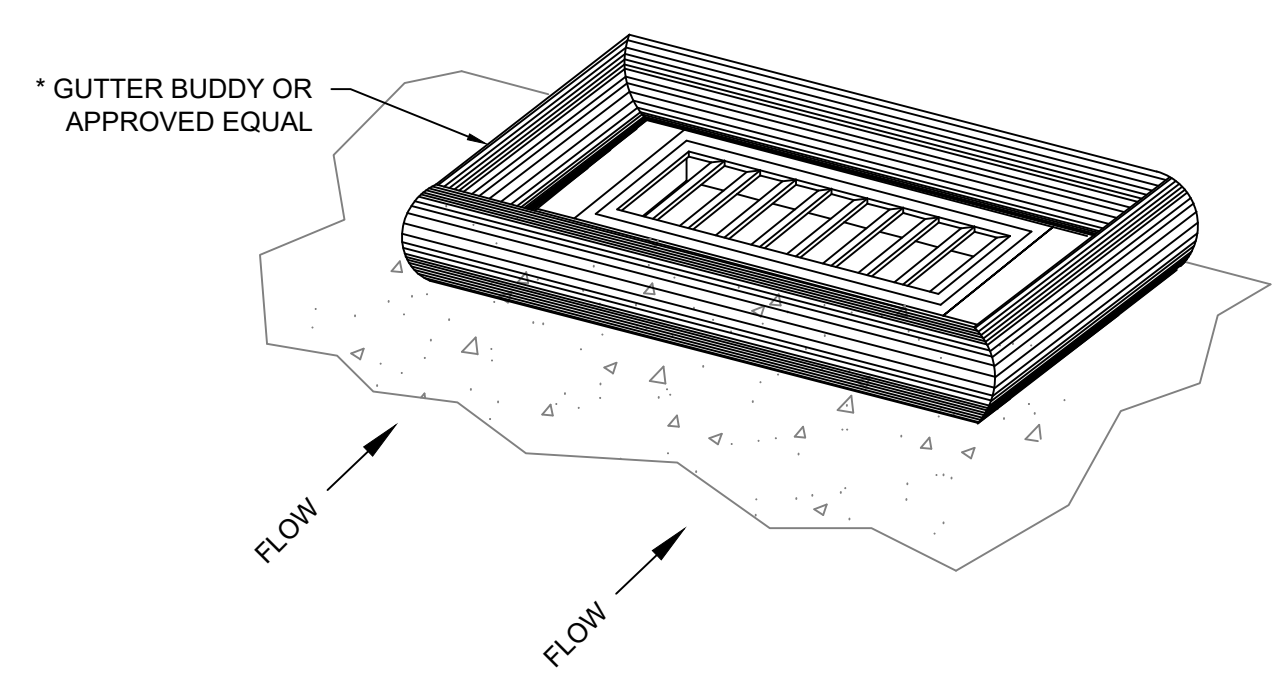
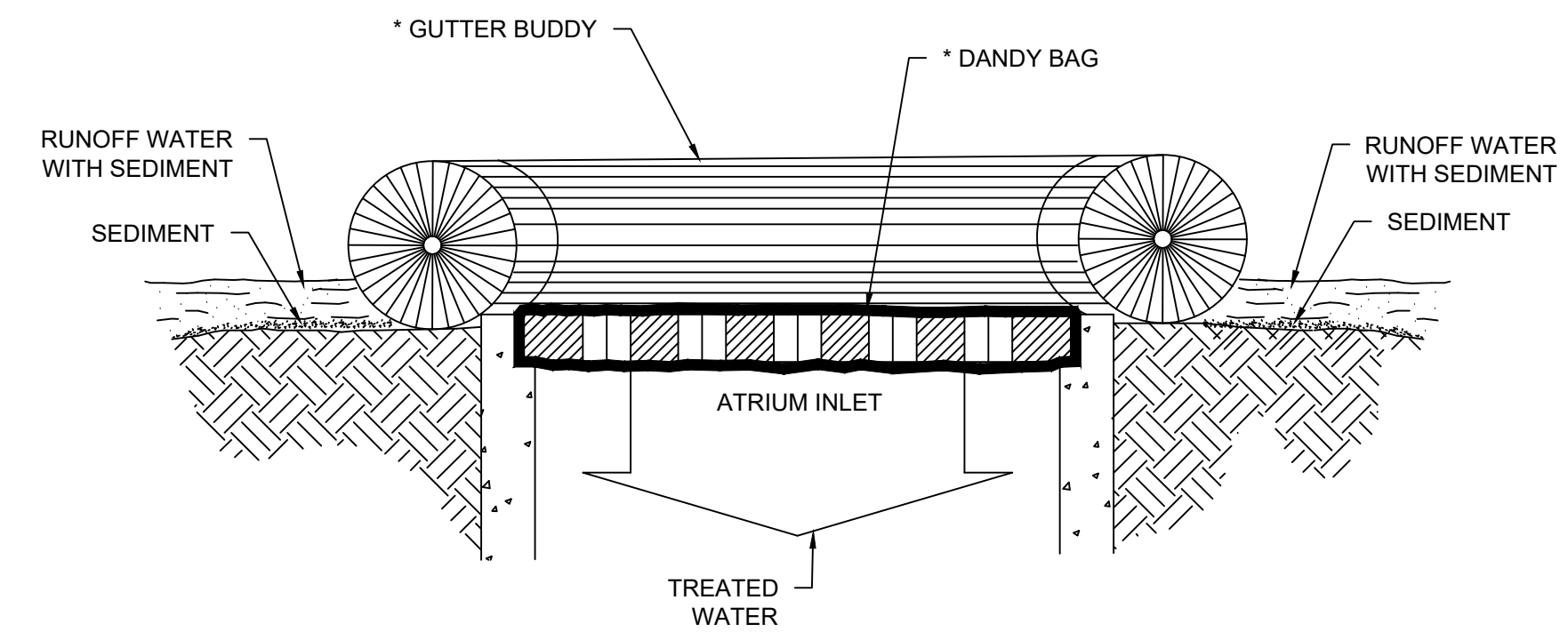
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

* GUTTERBUDDY SYNTHETIC FIBER CURB INLET & DITCH PAVEMENT FILTER AT 12' LONG SI GEOSOLUTIONS - 6025 LEE HIGHWAY, SUITE 435, CHATTANOOGA, TN 37421 (800) 621-0444 PHONE, (423) 899-7619 FAX - WWW.SIGEOSOLUTIONS.COM

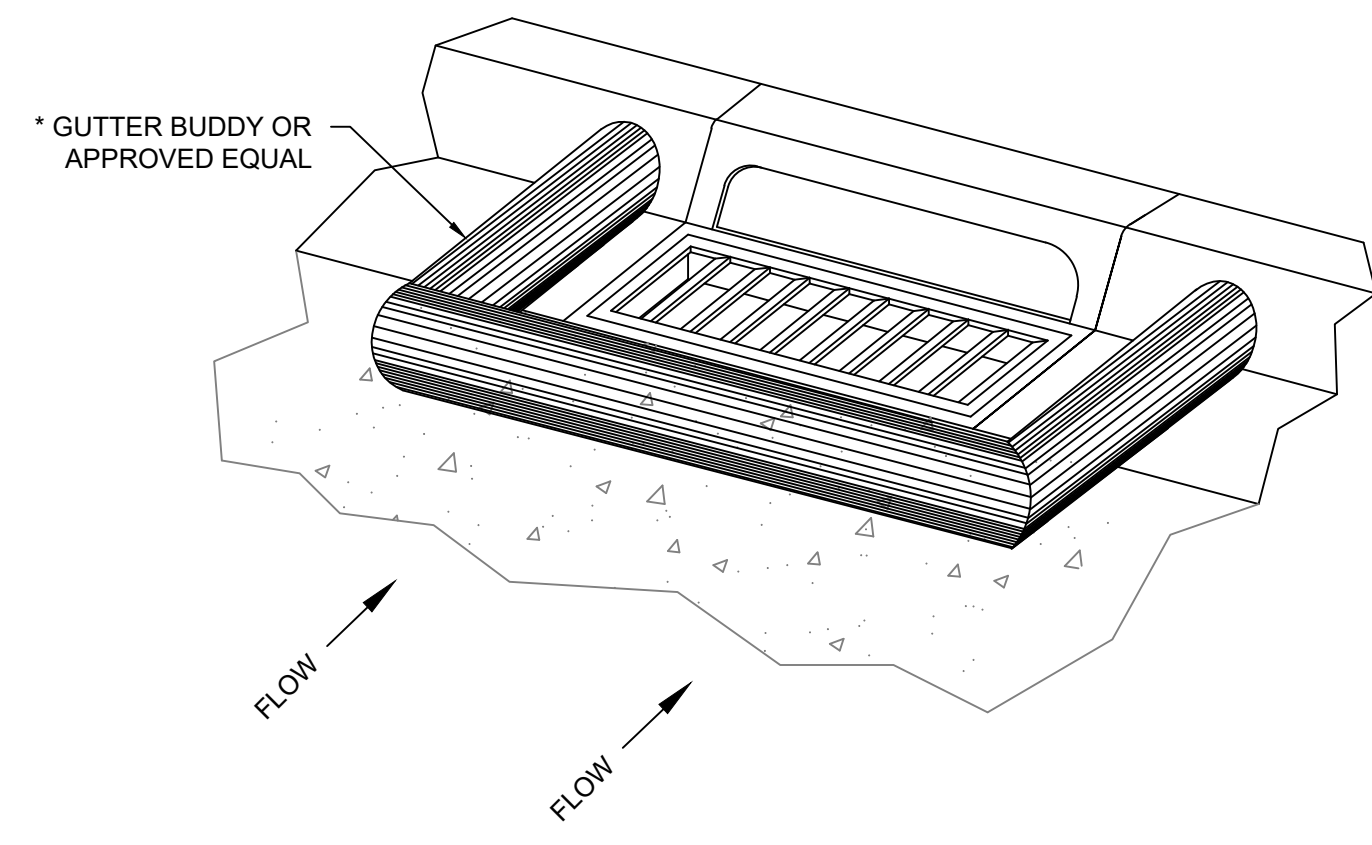
* DANDY BAG SLIPOVER SYNTHETIC FIBER BAG FOR FLAT GRATES AND MOUNTABLE CURBS TO DETAIN SEDIMENT LADEN STORMWATER. MANUFACTURER: TED CATE NICOLON, 365 SOUTH HOLLAND DRIVE PENDERGRASS, GEORGIA 30567 USA OR WWW.TCNICOLON.COM 1(888) 795-0808 PHONE, 1(706) 693-4400 FAX

SILT FENCE

SCALE: NTS

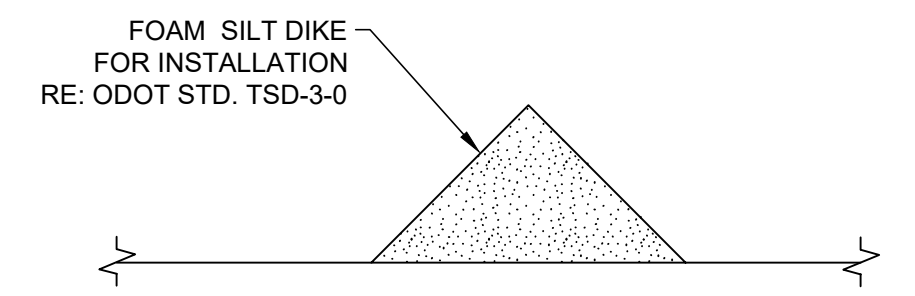


SEDIMENT INLET FILTER
SCALE: NTS



CONCRETE WASH-OUT

SCALE: NTS



SILT DIKE
SCALE: NTS



PRYOR CREEK MENNONITE CHURCH

1919 W. 470
PRYOR, OK 74361

REVISIONS

EROSION CONTROL DETAILS

BILLY COX, P.E.
ROUTE 66 ENGINEERING, LLC
CA #8853, DATE 06/30/2025

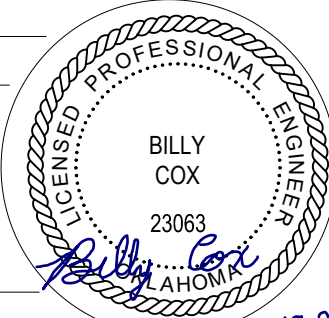
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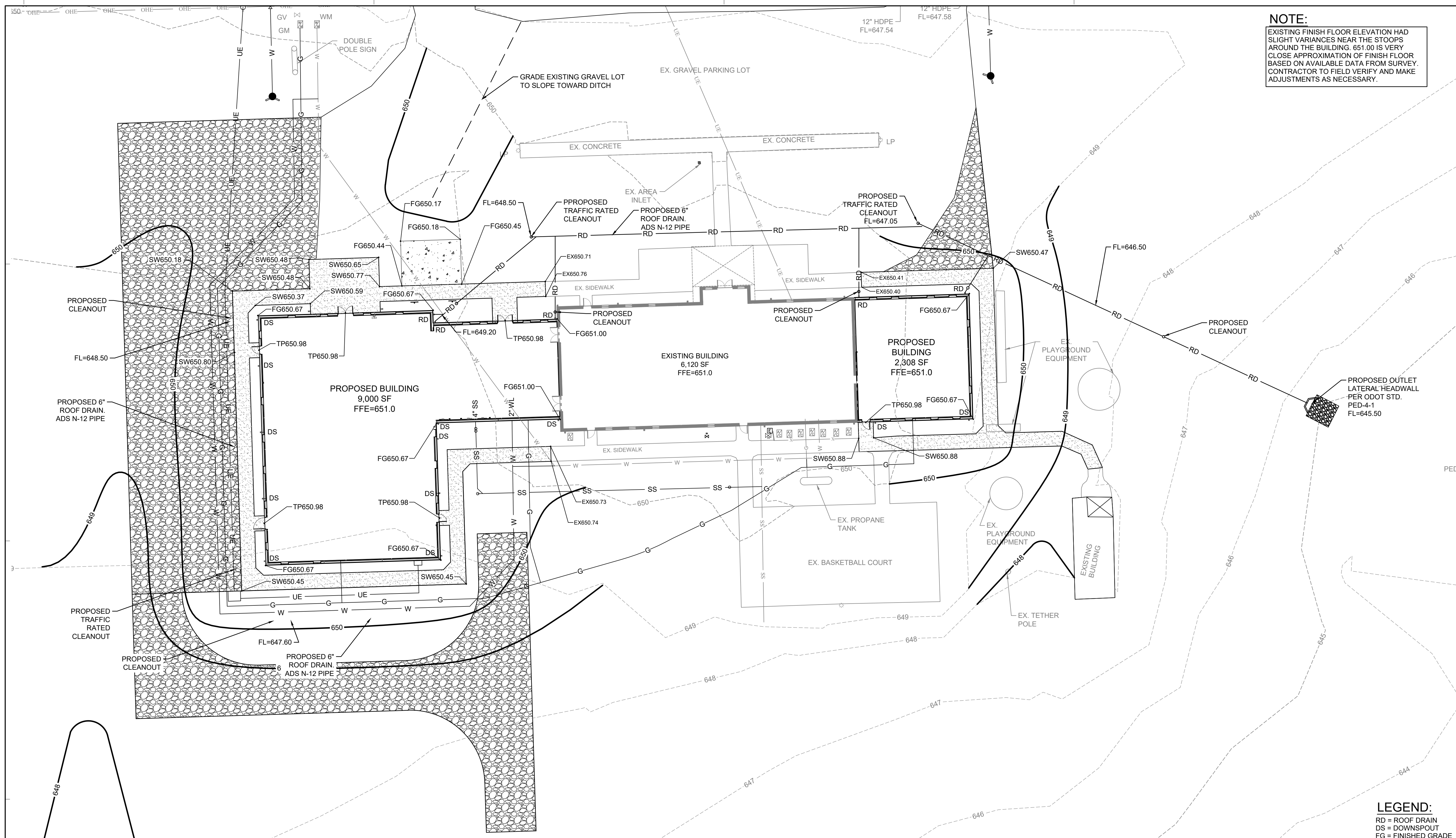
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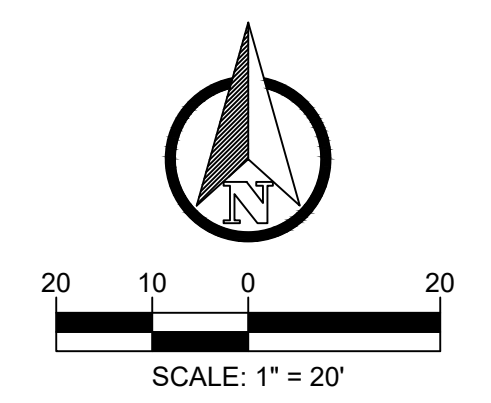
10-19-2023



NOTE:
 EXISTING FINISH FLOOR ELEVATION HAD SLIGHT VARIANCES NEAR THE STOOPS AROUND THE BUILDING. 651.00 IS VERY CLOSE APPROXIMATION OF FINISH FLOOR BASED ON AVAILABLE DATA FROM SURVEY. CONTRACTOR TO FIELD VERIFY AND MAKE ADJUSTMENTS AS NECESSARY.

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BEFORE YOU DIG
 811
 1-800-552-6543
GALL OKIE
 OKLAHOMA ONE-CALL SYSTEM, INC.

PRYOR CREEK MENNONITE CHURCH
 1919 W. 470
 PRYOR, OK 74361

REVISIONS

GRADING PLAN

BILLY COX, P.E.
 ROUTE 66 ENGINEERING, LLC
 CA #8853, DATE 08/30/2025

JOB: 2022.28
 ISSUE: 10/19/2023
 DRAWN BY: BD
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10-19-2023

GRADING PLAN NOTES:

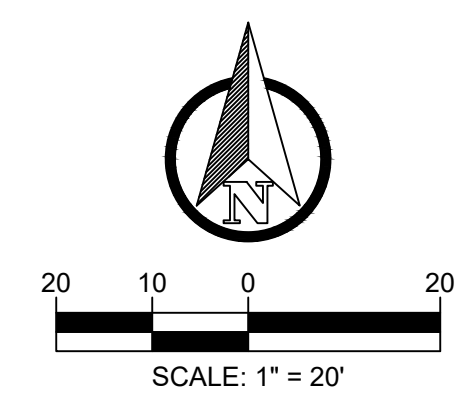
- THE CONTRACTOR SHALL CONTACT "OKIE" AT 811 OR 800-522-6543, ONE CALL SERVICE, THREE (3) WORKING DAYS BEFORE BEGINNING ANY WORK, SO EXISTING UNDERGROUND UTILITIES MAY BE LOCATED AND MARKED.
- EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH STRUCTURAL BUILDING PLANS AND SPECIFICATIONS.
- THE MAXIMUM CROSS SLOPE ON ANY SIDEWALK OR RAMP SHALL BE TWO PERCENT.
- EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- UNLESS OTHERWISE SHOWN, NEW PAVING SHALL BE CONSTRUCTED TO ALLOW FOR POSITIVE DRAINAGE TO CATCH BASIN, CURB, GUTTER, AND OTHER RUNOFF COLLECTION DEVICES. NEW PAVEMENT SLOPE SHALL BE MINIMUM 0.50% FOR CONCRETE AND 1.5% FOR ASPHALT UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ARCHITECT/ENGINEER.
- ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED SHALL BE SODDED UNLESS NOTED OTHERWISE. ENSURE ALL DISTURBED AREAS HAVE TOPSOIL TO A DEPTH OF FOUR TO SIX INCHES (4"-6").
- THE CONTRACTOR SHALL KEEP THE SITE CLEAN AT ALL TIMES AND CONTROL DUST RESULTING FROM THE EARTHWORK OPERATIONS. THE CONTRACTOR SHALL NOT TRACK MUD ON THE PUBLIC STREETS.
- NEW CONTOURS DENOTE TOP OF FINISHED PAVING AND GRADED AREA AS INDICATED. ALL PROPOSED ELEVATIONS ARE TOP OF CURB, GUTTER OR FINISH GRADE AS INDICATED ON THE PLANS, UNLESS NOTED OTHERWISE.
- PUBLIC STORM DRAIN SYSTEMS AND STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH COUNTY/LOCAL JURISDICTION STANDARD DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND SHALL NOT DAMAGE OR DISTURB ANY SERVICE. THE CONTRACTOR SHALL REPAIR, AT CONTRACTOR'S OWN EXPENSE, ANY DAMAGED UTILITIES CAUSED BY CONSTRUCTION OPERATIONS.
- ALL PIPES, SHALL HAVE A MINIMUM COVER OF (1) FEET TO TOP OF PIPE, UNLESS NOTED OTHERWISE. MIN. COVER FOR WATER LINES IS 30".
- ADJUST ALL VALVE BOXES AND MANHOLE COVERS TO FINISHED GRADE WHEN APPLICABLE.
- IF FIELD GRADE ADJUSTMENTS ARE REQUIRED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
- MANHOLE LIDS AND SLEEVES IN PAVED AREAS SHALL BE HS-25 TRAFFIC RATED.
- IF, AT ANY TIME THE CONTRACTOR FINDS ERROR AND/OR CONFLICTS IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER FOR CLARIFICATION PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS. ANY DISCREPANCY FOUND SHALL BE DISCUSSED WITH THE ENGINEER OF RECORD PRIOR TO ANY CONSTRUCTION WORK.
- THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF EXISTING UTILITIES ON SITE OR IN RIGHT-OF-WAY. ALL UTILITIES MUST BE LOCATED PRIOR TO GRADING START.
- ALL CUT OR FILL SLOPES SHALL BE A MAX 3:1 SLOPE OR FLATTER UNLESS OTHERWISE NOTED.
- ALL STORM SEWER PIPE CONNECTIONS TO STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT. ALL STORM SEWER STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH THE PAVEMENT AND SHALL HAVE TRAFFIC BEARING RINGS AND COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 3" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
- SITE GRADING SHALL NOT PROCEED UNTIL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AND OUTLINED IN THE GENERAL NPDES PERMIT AND THE SWPPP FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE FOUR TO SIX INCHES (4"-6") OF TOPSOIL TO FINAL GRADE. REFER TO THE LANDSCAPE PLAN.
- THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS THROUGHOUT ALL PHASES OF CONSTRUCTION.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE, AS NECESSARY, TO RETURN IT TO THE EXISTING CONDITION OR BETTER. CONTRACTOR SHALL REPAIR AND RESTORE ANY AREAS DAMAGED DURING CONSTRUCTION AS HIS OWN EXPENSE.
- NO HAZARDOUS MATERIALS SHALL BE BROUGHT ON SITE OR GENERATED AT THE SITE.

LEGEND:
 RD = ROOF DRAIN
 DS = DOWNSPOUT
 FG = FINISHED GRADE
 SW = TOP OF SIDEWALK
 TP = TOP OF PAVEMENT

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PRYOR CREEK MENNONITE CHURCH

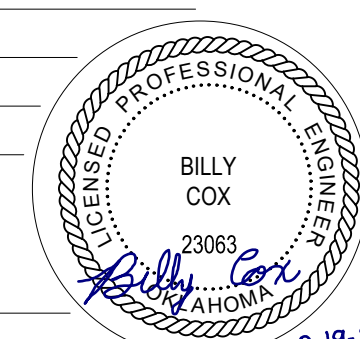
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REVISIONS

UTILITY PLAN

BILLY COX, P.E.
 ROUTE 66 ENGINEERING, LLC
 CA #8853, DATE 08/30/2025

JOB: 2022.28
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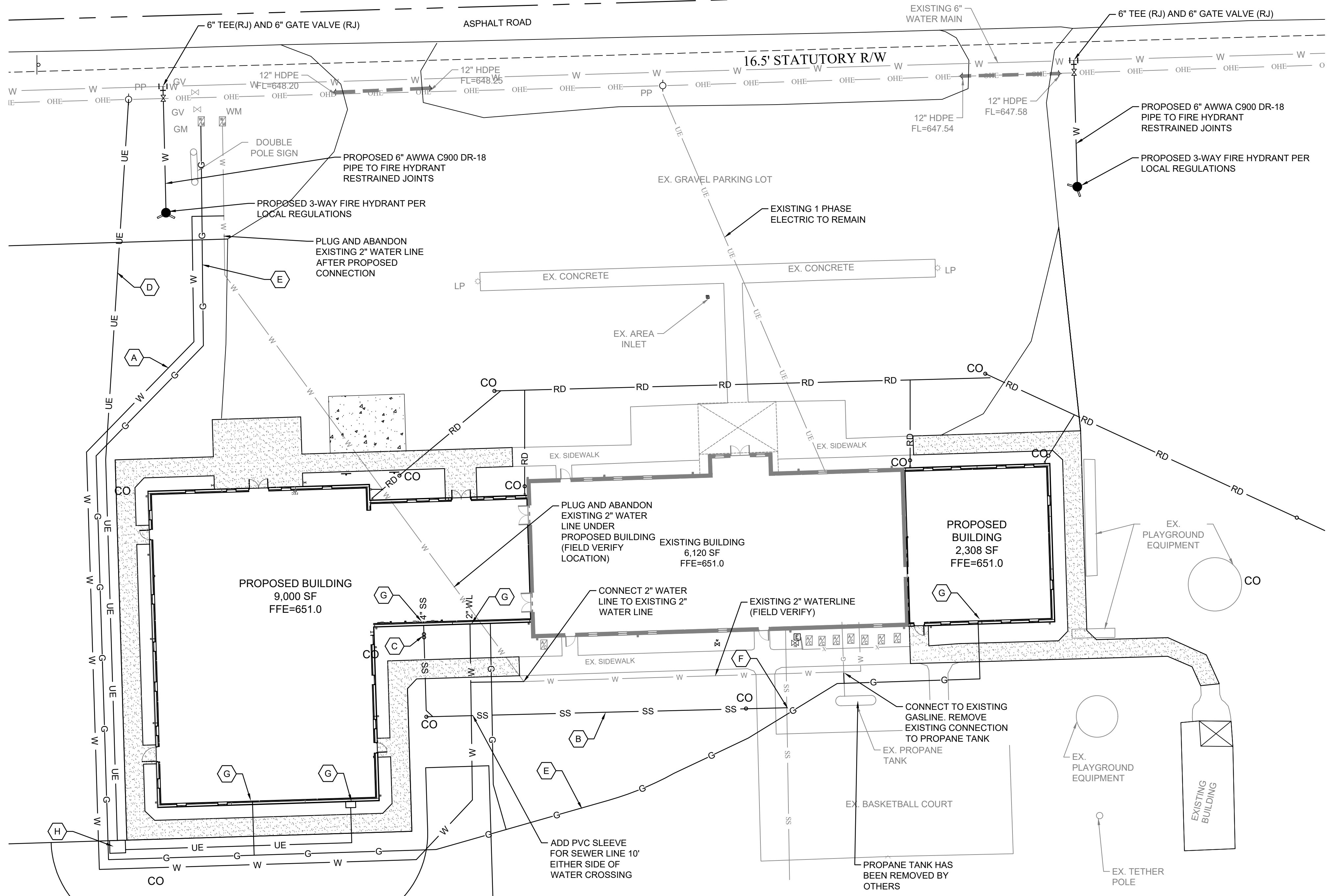


CU101

SCALE

**W 470 RD
 E-W SECTION LINE**

N88° 22' 45"E 908.95'



UTILITY NOTES

1. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINES. CONTRACTOR SHALL COORDINATE AND SCHEDULE TIE-INS, CONNECTIONS, ADJUSTMENTS AND RELOCATION WITH ALL UTILITY COMPANIES.
3. ALL UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR TO BACKFILLING.
4. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
5. THRUST BLOCKING SHALL BE PROVIDED AT ALL BENDS, TEES AND FIRE HYDRANTS, (UNLESS OTHERWISE NOTED).
6. ALL DIMENSIONS ARE TO THE CENTERLINE OF PIPE OR FITTING, UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL INCLUDE IN THE BID PRICE ALL MATERIAL AND LABOR ASSOCIATED WITH THE TESTING OF THE WATER AND SEWER LINES REQUIRED BY THE LOCAL AND/OR STATE AGENCIES.
8. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND MANHOLES IN UNPAVED AREAS TO BE 6" ABOVE FINISHED GROUND ELEVATION. IF LOCATED WITHIN THE FLOOD PLAIN, USE WATER TIGHT LID.
9. ALL TRENCHING, PIPE LAYING AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS.
10. REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
11. ALL MATERIALS, CONSTRUCTION AND INSPECTION FOR WATER AND SANITARY SEWER LINES SHALL BE PER LOCAL JURISDICTION STANDARD SPECIFICATION.
12. THE CONTRACTOR SHALL COORDINATE WATERMAIN WORK WITH THE FIRE DEPARTMENT AND THE CITY UTILITY DEPARTMENT TO PLAN PROPOSED IMPROVEMENTS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE SITE THROUGHOUT THIS SPECIFIC WORK AND THROUGH ALL PHASES OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATERMAIN SHUT-OFFS WITH THE COUNTY DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATERMAIN SHUT-OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED.
13. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF UTILITY ENTRANCE LOCATIONS.
14. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TAP AND TIE ON FEES REQUIRED, AS WELL AS COSTS OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDING.
15. GENERAL CONTRACTOR SHALL PROVIDE ALL CONDUITS NECESSARY AS SHOWN ON THE PLAN, VERIFY LOCATION OF UTILITY TIE-IN AND PROVIDE NYLON PULL CORDS INSIDE THE CONDUIT.
16. THE CONTRACTOR SHALL INCLUDE IN BID PRICE, THE DAILY RECORD KEEPING OF THE AS-BUILT CONDITION OF ALL OF THE UNDERGROUND UTILITIES, CONSTRUCTION STAKING ASSOCIATED WITH THE PROJECT, PREPARATION OF THE NECESSARY/REQUIRED AS-BUILT WATER AND SEWER PLANS TO BE SUBMITTED AND ALL OTHER INFORMATION REQUIRED FOR OBTAINING PERMITS AND RELEASE OF BOND.
17. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS, MEASUREMENTS AND LOCATIONS OF EXISTING FACILITIES, UTILITIES, EQUIPMENT AND OTHER EXISTING ITEMS WHICH MAY AFFECT CONSTRUCTION AND NEW UTILITY DESIGN.
18. THE CONTRACTOR SHALL CONTACT "OKIE" AT 811 OR 800-522-6543, ONE CALL SERVICE, THREE (3) WORKING DAYS BEFORE BEGINNING ANY WORK, SO EXISTING UNDERGROUND UTILITIES MAY BE LOCATED AND MARKED.
19. DURING CONSTRUCTION, TEMPORARY PLUGS SHALL BE INSTALLED AT ALL OPENINGS WHENEVER ANY PIPELINE IS LEFT UNATTENDED.
20. ADEQUATE EMERGENCY VEHICLE AND PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES TO ROADWAYS, DRIVEWAYS AND BUILDING ENTRANCES.
21. WATER LINES SHALL BE INSTALLED PER LOCAL AUTHORITIES HAVING JURISDICTION OR AS SPECIFIED ON PLANS.
22. THE CONTRACTOR SHALL FURNISH ALL BONDS AND INSPECTION FEES AS REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
23. EXISTING UTILITY LOCATIONS ARE SHOWN APPROXIMATELY AND FOR GENERAL INFORMATION PURPOSES ONLY. THE CONTRACTOR IS TO VERIFY THE LOCATION, DEPTH AND INVERT OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO THE START OF CONSTRUCTION.
24. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE, AS NECESSARY, TO RETURN IT TO THE EXISTING CONDITION OR BETTER. CONTRACTOR SHALL REPAIR AND RESTORE ANY AREAS DAMAGED DURING CONSTRUCTION AT HIS OWN EXPENSE.
25. PRIOR TO THE CONSTRUCTION OF, OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, OR ANY OTHER ELEVATION SENSITIVE UTILITY, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTIONS AND ALL UTILITY CROSSINGS. THE CONTRACTOR SHALL INFORM THE ENGINEER AND THE OWNER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. THE ENGINEER AND OWNER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER AND OWNER ARE NOT NOTIFIED OF A DESIGN CONFLICT.
26. CONTRACTOR IS RESPONSIBLE FOR ALL SHORING AND BRACING NECESSARY TO MAINTAIN STRUCTURAL INTEGRITY FOR TRENCH EXCAVATIONS. THE USE OF A TRENCH BOX WILL PROVIDE A SAFER INSTALLATION OF UTILITIES EXCAVATION AREAS THAT EXCEED A DEPTH OF FIVE FEET.
27. CONTRACTOR SHALL PROVIDE A COPY OF ALL TEST RESULTS TO THE OWNER AND ENGINEER.
28. CONTRACTOR SHALL PROVIDE TEMPORARY ORANGE SAFETY FENCING AROUND ALL EXCAVATION, INCLUDING TRENCHES, PITS, VAULTS, ETC., TO MAINTAIN SECURITY AND SAFETY FOR ANIMALS, CHILDREN, OR ANY BYSTANDERS. THE COST FOR THE ORANGE SAFETY FENCE SHALL BE INCLUDED IN OTHER PAY ITEMS.
29. ALL UNSUITABLE MATERIALS REMOVED DURING TRENCHING OR EXCAVATION SHALL BE DISPOSED OF AT A SITE APPROVED BY THE OWNER AND ENGINEER. PRIOR TO TRENCHING OR EXCAVATION, THE CONTRACTOR SHALL SUBMIT THE PROPOSED DISPOSAL SITE TO THE OWNER AND ENGINEER FOR THEIR REVIEW. MAINTENANCE OF STOCKPILE SITES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST MAINTAIN STOCKPILE SITES IN A SAFE, POLLUTION FREE CONDITION THROUGHOUT THE PROJECT.

UTILITY KEY NOTES

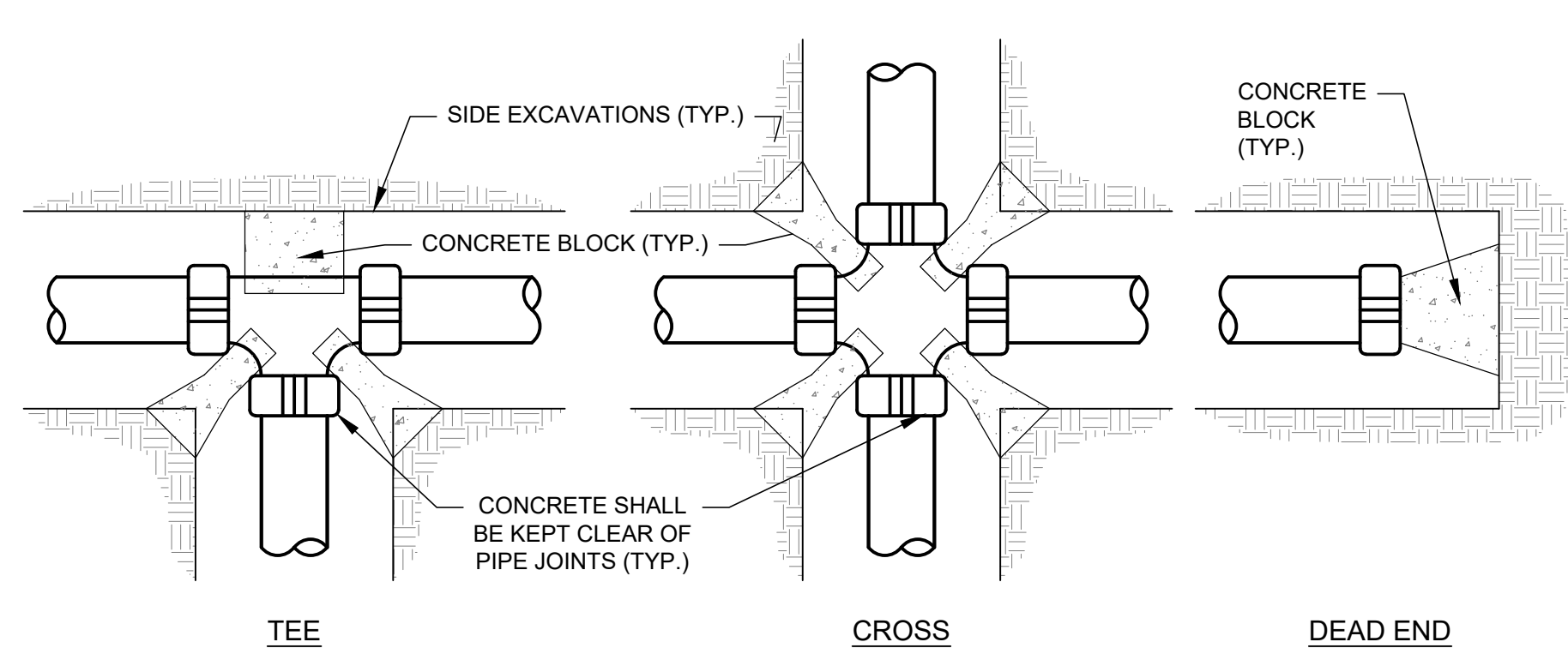
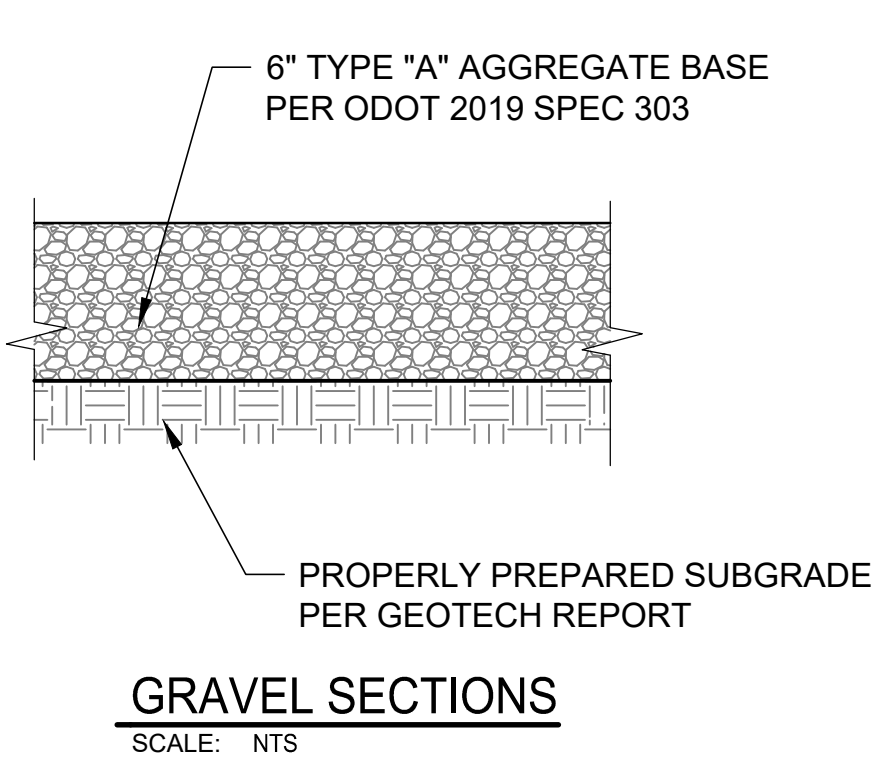
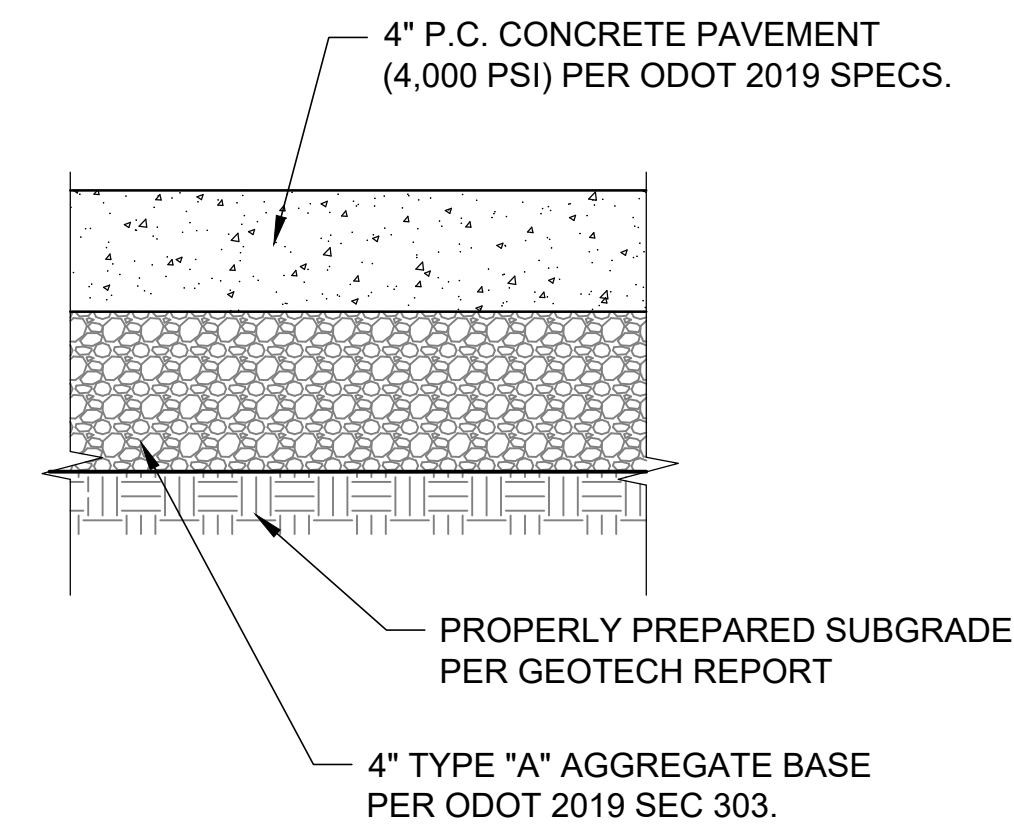
- (A) 2" DOMESTIC WATER LINE (PEX PIPE). CONTRACTOR SHALL COORDINATE WITH LOCAL JURISDICTION FOR INSTALLATION AND VERIFY POINT OF CONNECTION.
- (B) 4" PVC SDR-35 SANITARY SEWER LATERAL. MINIMUM 1% SLOPE.
- (C) DOUBLE CLEANOUT. REFER TO DETAIL SHEET
- (D) UNDERGROUND 3-PHASE 208V ELECTRIC SERVICE. CONTRACTOR TO INSTALL 3-4" SCH 40 PVC CONDUITS. COORDINATE WITH ELECTRIC PROVIDER.
- (E) GAS SERVICE TO BE PROVIDED BY OKLAHOMA NATURAL GAS. (LINE ALREADY INSTALLED PER CONTRACTOR. FIELD VERIFY LOCATION AND PROVIDE SERVICE CONNECTIONS TO BUILDING AS NECESSARY)
- (F) POINT OF CONNECTION FOR SANITARY SEWER SERVICE. TIE IN TO EXISTING LINE UPSTREAM OF EXISTING SEPTIC TANK. VERIFY FLOW LINE, IF NECESSARY ADJUST SLOPE AND FLOW LINES TO ACCOMMODATE ACTUAL TIE IN ELEVATION. TIE IN THE PROPOSED SERVICE PER PLUMBING CODE.
- (G) CONTRACTOR TO VERIFY UTILITY BUILDING PENETRATIONS WITH PLUMBING AND ELECTRICAL PLANS.
- (H) TRANSFORMER-CONTRACTOR TO COORDINATE INSTALLATION WITH ELECTRIC PROVIDER.

!! WARNING TO CONTRACTOR!!

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED BY USING AVAILABLE INFORMATION FROM UTILITY LOCATION SERVICES (OKIE), MAPS, AS-BUILTS AND ON-SITE PERSONNEL. THEIR LOCATION AND EXISTENCE IS NOT TO BE CONSIDERED ACCURATE OR COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE ALONG WITH THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO PRESERVE AND PROTECT ANY AND ALL EXISTING UTILITIES THAT ARE TO REMAIN FROM DAMAGE DURING CONSTRUCTION.

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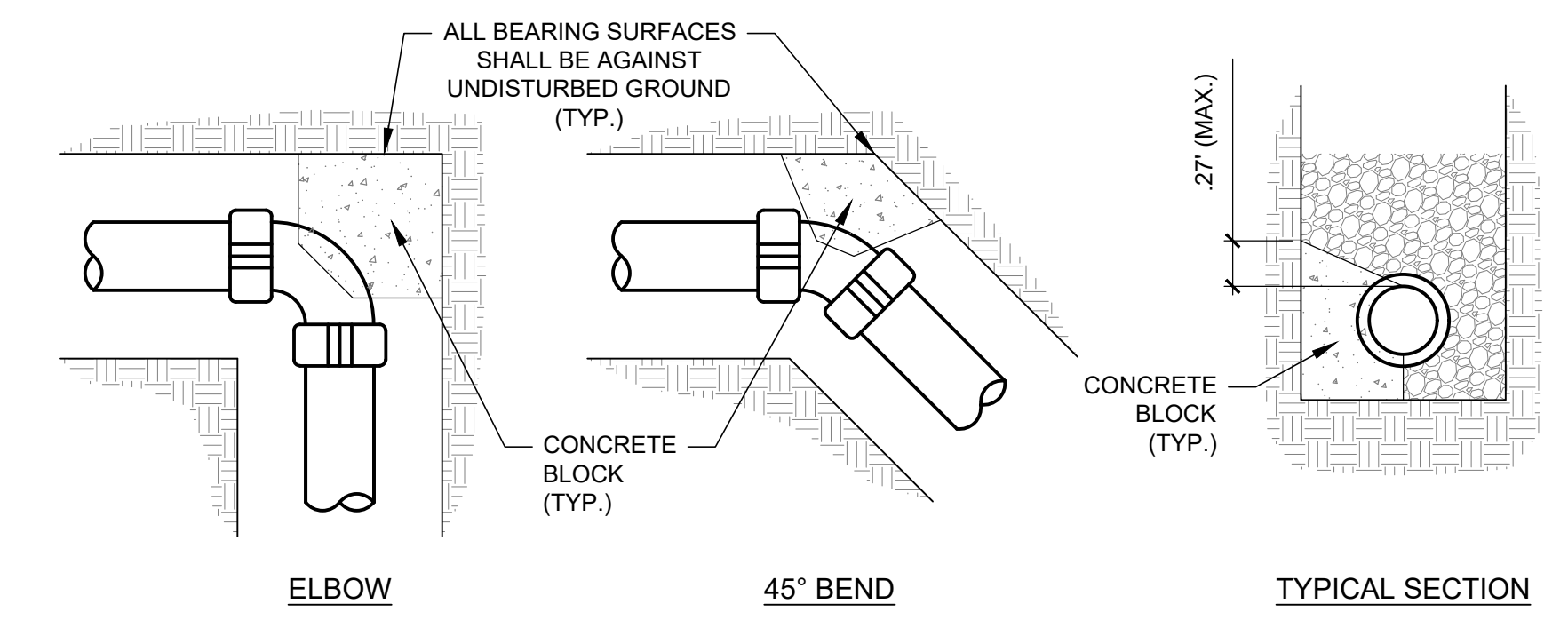
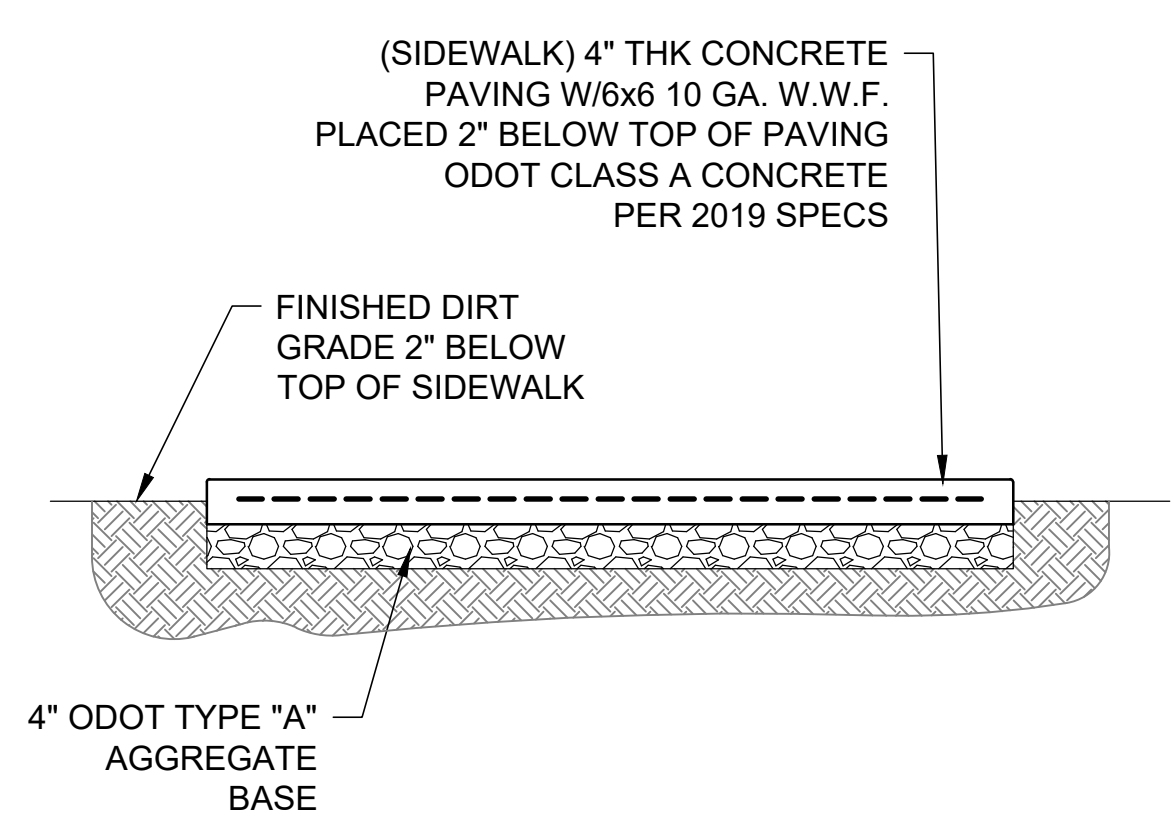
CONSULTANT: CIVIL ENGINEER
 ROUTE 66 ENGINEERING
 28 N. Water Street
 Sapulpa, OK 74066
 918-248-1129



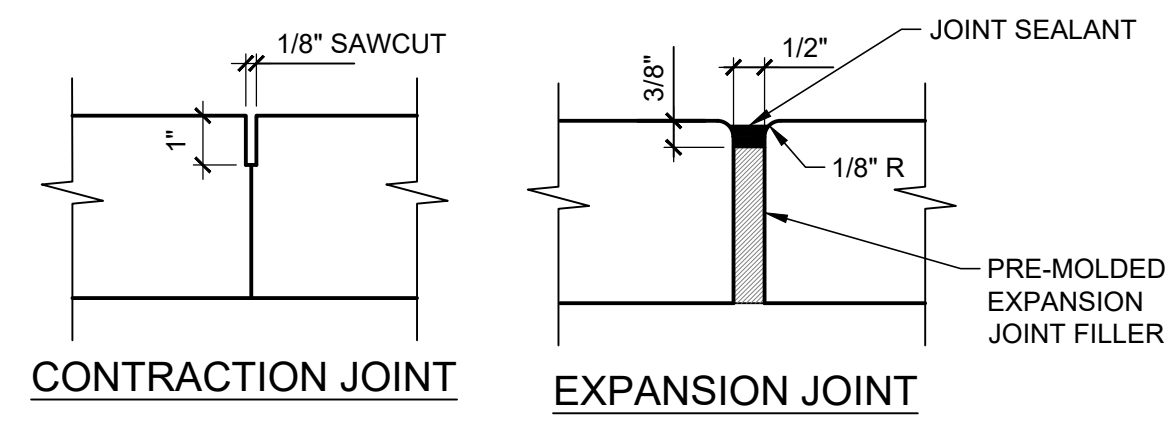
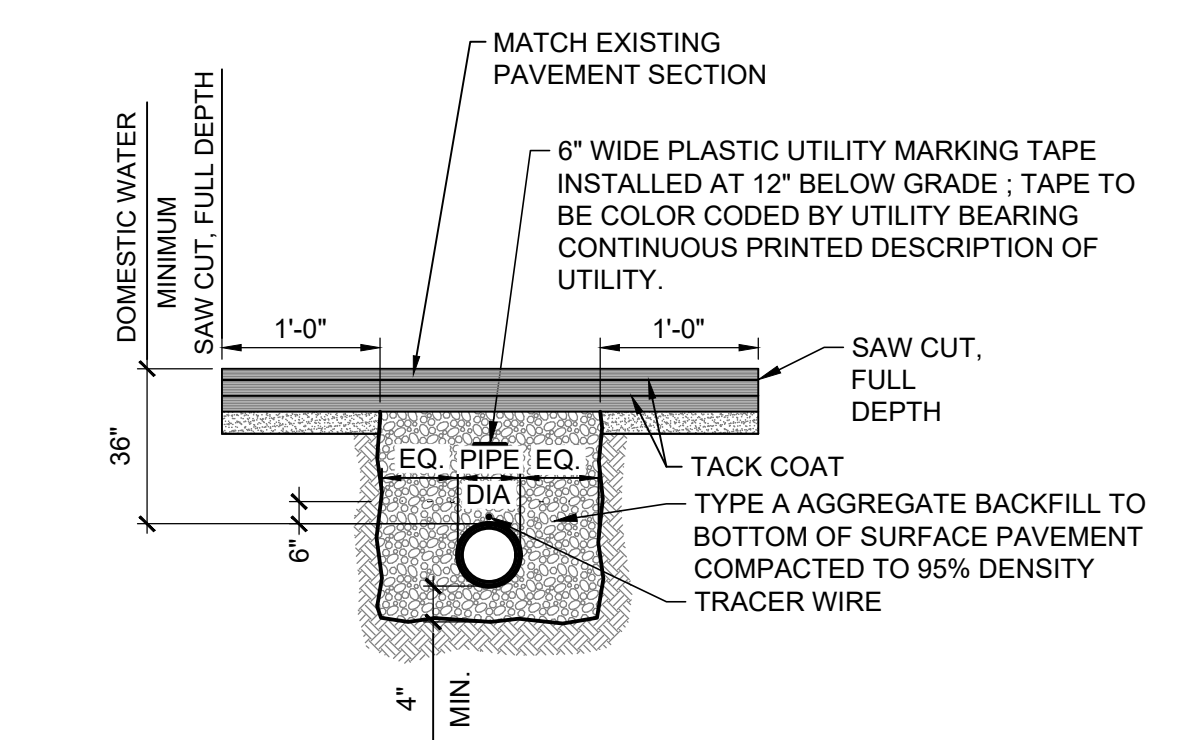
- NOTES:**
- KEEP CONCRETE CLEAR OF ALL JOINTS AND ACCESSORIES.
 - CONCRETE SHALL BE POURED AGAINST UNDISTURBED EARTH.
 - WRAP PIPE AND/OR FITTINGS WITH POLYETHYLENE FILM AND TAPE WHERE IN CONTACT WITH CONCRETE.
 - SUPPORT PIPE ADEQUATELY UNTIL THRUST BLOCK AND PROPERLY COMPACTED BACKFILL BELOW PIPE IS IN PLACE.
 - NO CMU BLOCKS WILL BE PERMITTED.

STANDARD DUTY CONCRETE (PCC)

GEOTECHNICAL REPORT
 REFERENCE GEOTECHNICAL REPORT FROM AIMRIGHT TESTING & ENGINEERING, PROJECT # 11400722, DATED AUGUST 18, 2022

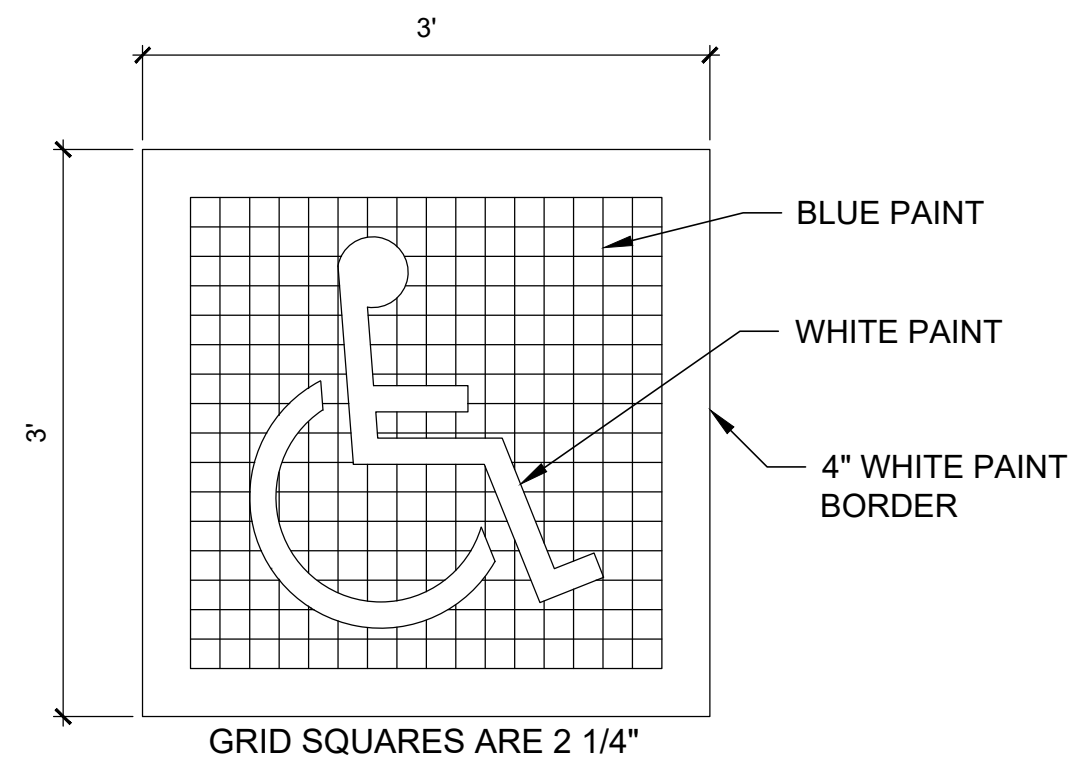


TYPICAL THRUST BLOCK INSTALLATION
 SCALE: NTS

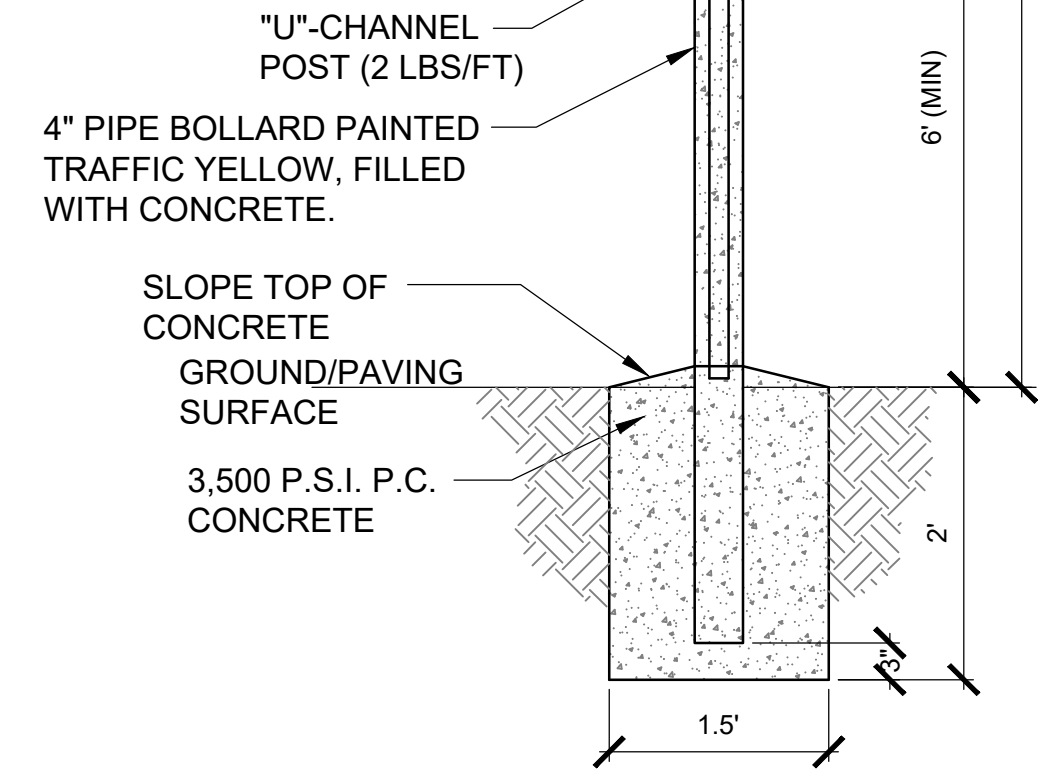


- NOTES:**
- CONTRACTION JOINTS SHALL BE PLACED EVERY 6' UNLESS OTHERWISE NOTED.
 - EXPANSION JOINTS SHALL BE PLACED EVERY 54' UNLESS OTHERWISE NOTED.

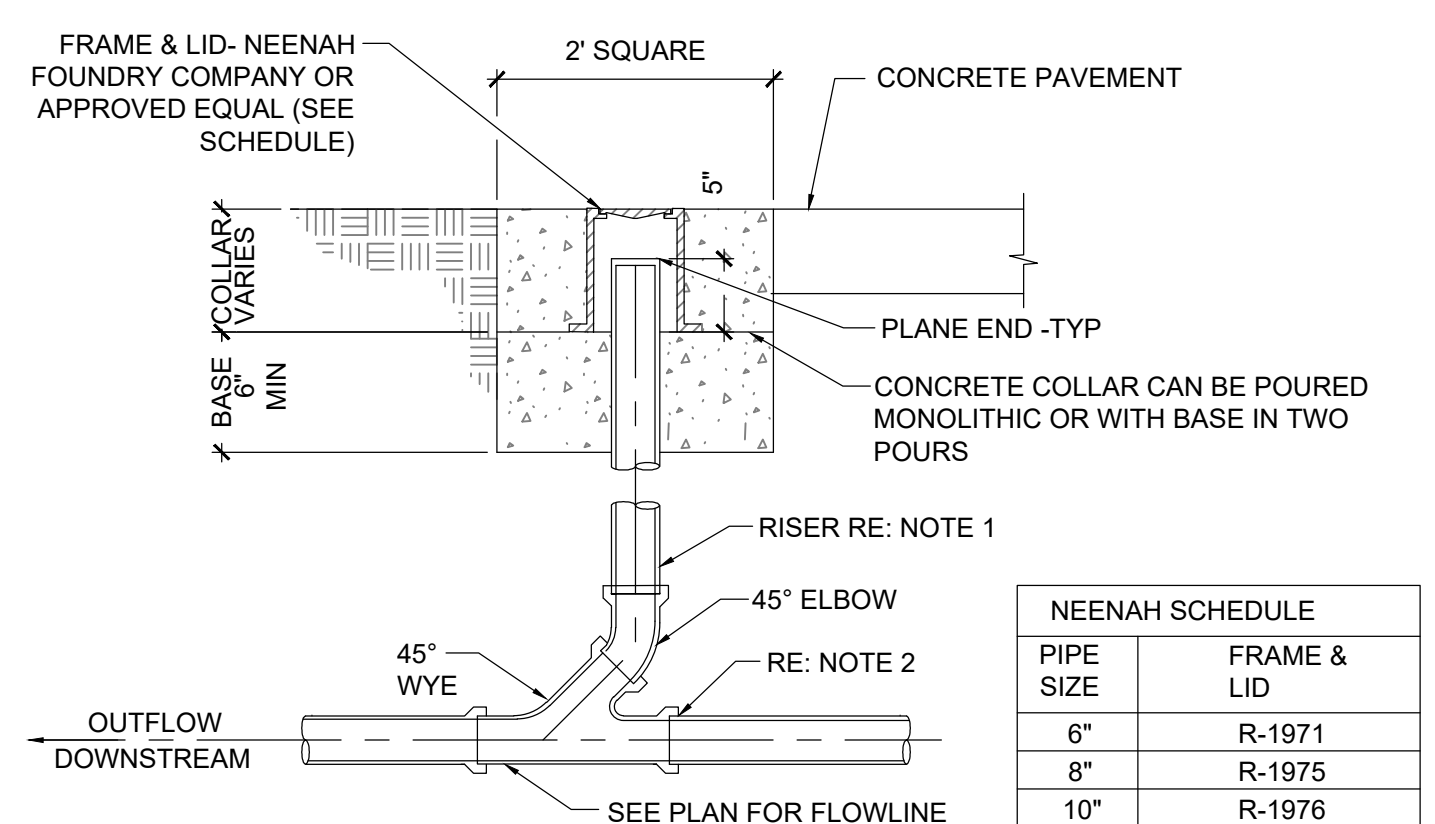
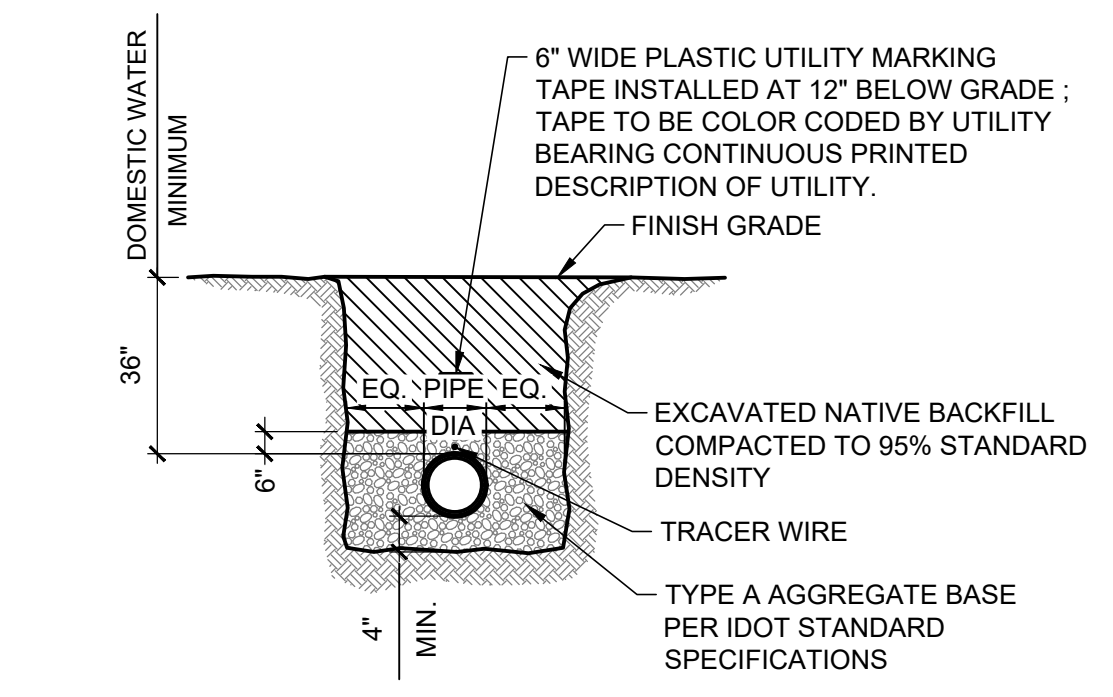
SIDEWALK JOINT DETAILS
 SCALE: NOT TO SCALE



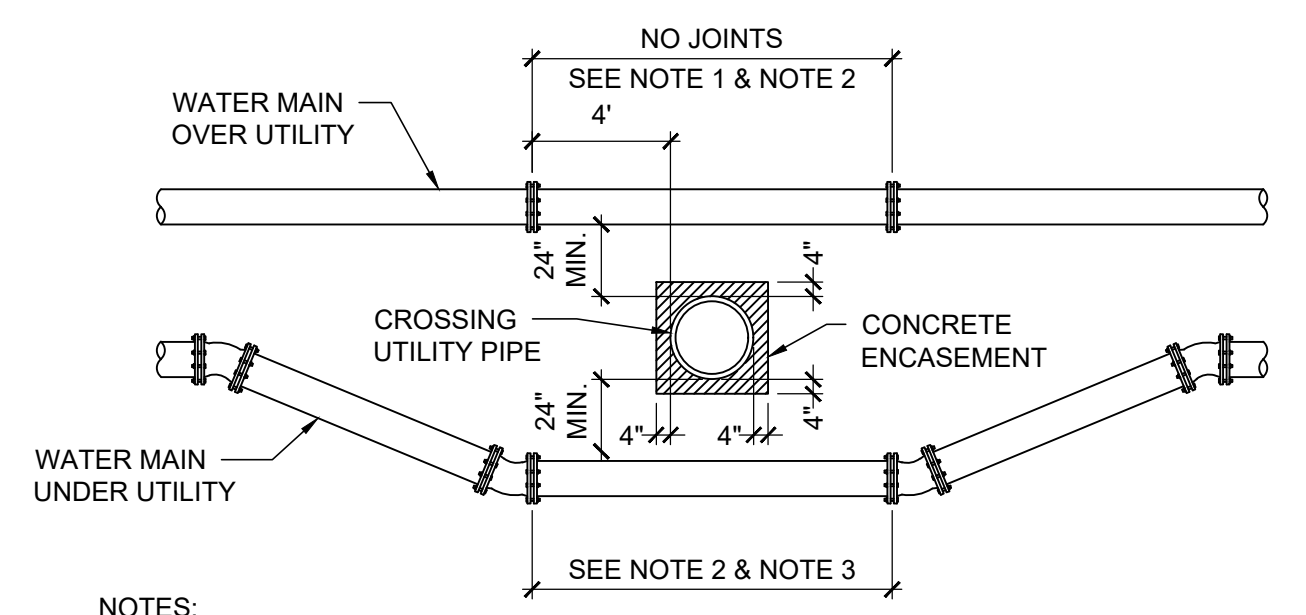
THIS SIGN IS TYPICAL AT ALL ACCESSIBLE PARKING SPACES
 THIS SIGN IS TYPICAL AT ALL VAN ACCESSIBLE PARKING SPACES
 PENALTY SIGN WITH WORDING AS REQUIRED BY STATE OR LOCAL LAW



TRENCH DETAIL (PAVED AREAS)
 SCALE: NTS



- DETAIL NOTES:**
- RISER DIAMETER TO MATCH DOWNSTREAM PIPE SIZE. MAXIMUM RISER DIAMETER IS 10 INCHES.
 - WHERE LINE DOES NOT EXTEND, INSTALL A PLUG OR SUBSTITUTE A LENGTH OF STRAIGHT PIPE AND ANOTHER 45° ELBOW FOR WYE.



- NOTES:**
- WHEN THE UTILITY BEING CROSSED IS NOT A STORM DRAIN, SANITARY SEWER, OR A NON-POTABLE WATER LINE, THEN THE "NO JOINT" REQUIREMENT DOES NOT APPLY.
 - WHEN THE UTILITY BEING CROSSED IS A STORM DRAIN, SANITARY SEWER, OR A NON-POTABLE WATER LINE RELOCATE A MINIMUM OF 24" ABOVE OR BELOW THE POTABLE WATERLINE. IF THE CLEARANCE IS LESS THAN 24" THEN THE CROSSING UTILITY MUST BE ENCASED WITH 4 INCHES OF CONCRETE, MINIMUM FOR A DISTANCE 20', 10' ON EITHER SIDE OF THE WATERLINE.
 - NO JOINTS ALLOWED IF LESS THAN 18 FEET, OR LESS THAN 20 FEET IF THE UTILITY BEING CROSSED IS SEWER. ALL JOINTS BETWEEN FITTINGS MUST BE RESTRAINED.

UTILITY CROSSING DETAIL
 SCALE: NTS



PRYOR CREEK MENNONITE CHURCH

1919 W. 470
 PRYOR, OK 74361

REVISIONS

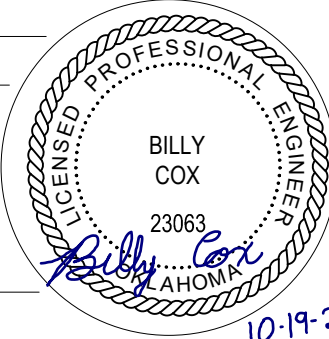
DETAILS

BILLY COX, P.E.
 ROUTE 66 ENGINEERING, LLC
 CA #8853, DATE 06/30/2025

JOB 2022.28
 ISSUE 10/09/2023

DRAWN BY: BD
 CHK'D BY: BC

CS501



SCALE

GENERAL STRUCTURAL NOTES

A. DESIGN CRITERIA

1. BUILDING CODE - 2018 IBC BUILDING CODE, INCLUDING LOCAL SUPPLEMENTS.

2. GRAVITY LOADS -

LOCATION	UNIFORM LIVE LOAD	CONCENTRATED UNIFORM LIVE LOAD**	DEAD LOAD*
SLAB-ON-GRADE	100 PSF	2000 LB.	-----
ROOF (MINIMUM)	20 PSF	-----	-----

ROOF LIVE LOAD IS NOT REDUCED. FLOOR LIVE LOADS ARE REDUCED IN ACCORDANCE WITH THE BUILDING CODE.

SNOW LOAD IN ACCORDANCE WITH THE 2018 IBC BUILDING CODE -

GROUND SNOW LOAD	P _g = 10 PSF (PRYOR, OK.)
FLAT ROOF SNOW LOAD	P _f = 7.0 PSF (P _f = C _e P _g)
ROOF SLOPE FACTOR	C _s = 1.0 (C _s = 1 - ((a-30)/40))
SNOW EXPOSURE FACTOR	C _e = 1.0 (ALL OTHER STRUCTURES)
SNOW IMPORTANCE FACTOR	I = 1.0 (ALL BLDGS. U.O.N.)
RAIN (10.2 IN/HR)	42 PSF

3. LATERAL LOADS -

A. WIND LOAD IN ACCORDANCE WITH THE 2018 IBC BUILDING CODE -

ULTIMATE WIND SPEED	V = 120 MPH
WIND EXPOSURE	C
INTERNAL PRESSURE COEFF	G _{Cp1} = +/-0.18

*PRESSURE INDICATES COMBINED WINDWARD AND LEEWARD PRESSURE.

B. SEISMIC LOAD IN ACCORDANCE WITH THE 2018 IBC BUILDING CODE -

SITE CLASS	D
SPECTRAL RESPONSE COEFF	S _s =0.312, S ₁ =0.073
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
IMPORTANCE FACTOR	1.0

B. SOIL PREPARATION AND FOUNDATIONS

1. FOUNDATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT NO. 11400722, DATED AUGUST 18, 2022, PREPARED FOR THIS PROJECT BY AIRRIGHT TESTING AND ENGINEERING. A COPY OF THIS REPORT IS AVAILABLE FOR INSPECTION AT THE ARCHITECTS' OFFICE.

2. ALL EXCAVATION, FILL, COMPACTION AND GRADING OF THE SITE SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT.

3. FOOTINGS -

A. FOOTING DESIGN IS BASED ON A NET ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF AND BEAR ON COMBINATION NON-EXPANSIVE SELECT FILL, SUITABLE NATIVE SOILS.

B. EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW MINIMUM BEARING DEPTH. MINIMUM BEARING DEPTH IS 2'-0" BELOW ADJACENT FINISHED GRADE.

C. FILL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 9" IN THICKNESS AND COMPACTED AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (D-698) WITHIN PLUS OR MINUS 2 PERCENT OF THE OPTIMUM MOISTURE CONTENT.

C. CAST-IN-PLACE CONCRETE -

1. ALL STRUCTURAL CONCRETE HAS BEEN DESIGNED IN ACCORDANCE WITH ACI 318-19 AND THE BUILDING CODE.

2. THE CONCRETE REQUIREMENTS ARE -

A. 28 DAY CONCRETE COMPRESSIVE STRENGTHS -

LOCATION	MINIMUM F _c (PSI)	UNIT WEIGHT (PCF)	MAX. AGGREGATE SIZE (IN)
FOOTINGS	3000	150	1"
INT. SLAB-ON-GRADE	3500*	150	3/4"
WALLS	4000	150	3/4"

B. CONCRETE CLEAR COVER OVER REINFORCING SHALL BE IN ACCORDANCE WITH ACI 318-19, LISTED BELOW, UNLESS OTHERWISE NOTED -

LOCATION	CLEAR COVER (INCHES)
CAST AGAINST EARTH	3
EXPOSED TO EARTH OR WEATHER #6 AND LARGER	2
EXPOSED TO EARTH OR WEATHER #5 AND SMALLER	1 1/2
SLABS NOT EXPOSED TO WEATHER	1
SLABS ON GRADE (COVER FROM TOP OF SLAB)	1 1/2

3. CONCRETE REINFORCING SHALL MEET THE FOLLOWING -

A. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60. REINFORCING BARS REQUIRED TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60. WELDING OF REINFORCING OTHER THAN SPECIFIED IS PROHIBITED.

B. ALL REINFORCING SHALL BE CONTINUOUS. CONTINUOUS BARS SHALL LAP IN ACCORDANCE WITH GRADE BEAM DETAIL, UNLESS OTHERWISE NOTED.

C. PROVIDE CORNER BARS IN OUTSIDE FACE OF ALL GRADE BEAMS AND WALLS EQUAL IN SIZE AND SPACING TO MAIN HORIZONTAL REINFORCING. EXTEND INSIDE FACE REINFORCING OF ALL GRADE BEAMS AND WALLS TO OUTSIDE FACE AND BEND TO A STANDARD 90 DEGREE HOOK.

D. SHOP DRAWINGS SHALL BE SUBMITTED WITH REINFORCING STEEL DETAILED IN ACCORDANCE WITH ACI 315R-18.

4. FORMING AND EMBEDMENTS SHALL MEET THE FOLLOWING -

A. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" INSIDE FORMS OR TOOLED TO 3/4" RADIUS ON SLABS UNLESS OTHERWISE NOTED.

B. SLABS ON GRADE SHALL HAVE CONSTRUCTION JOINTS AND CONTROL JOINTS (SAWED JOINTS) LOCATED AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL LOCATE SLAB JOINTS ON SHOP DRAWINGS.

C. WHERE NECESSARY, VERTICAL CONSTRUCTION JOINTS SHALL BE LOCATED WITHIN THE CENTER ONE-THIRD OF THE SPAN. ALL JOINTS SHALL BE THOROUGHLY CLEANED AND PURPOSELY ROUGHENED TO 1/4" PRIOR TO PLACING ADJACENT CONCRETE. JOINTS IN EXPOSED CONCRETE SHALL BE USED WITH A MAXIMUM SPACING OF 50 FEET.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL FORMING, TEMPORARY BRACING, AND SHORING.

E. NO ALUMINUM SHALL BE EMBEDDED IN CONCRETE. CONDUITS AND PIPING EMBEDDED IN CONCRETE SHALL BE SPACED A MINIMUM OF FOUR DIAMETERS AND THE OUTSIDE DIAMETER SHALL BE LESS THAN 30 PERCENT OF THE MEMBER THICKNESS PLACED BETWEEN LAYERS OF REINFORCING.

5. CURING FOR CONCRETE SURFACES NOT IN CONTACT WITH FORMS, ONE OF THE FOLLOWING PROCEDURES SHALL BE APPLIED IMMEDIATELY AFTER COMPLETION OF PLACEMENT AND FINISHING -

A. PONDING OR CONTINUOUS SPRINKLING.

B. APPLICATION OF ABSORPTIVE MATS OR FABRIC KEPT CONTINUOUSLY WET. CLEAN

C. APPLICATION OF WATERPROOF SHEET MATERIALS, CONFORMING TO "SPECIFICATIONS FOR WATERPROOF SHEET MATERIALS FOR CURING CONCRETE" (ASTM C 171).

D. APPLICATION OF A CURING COMPOUND CONFORMING TO "SPECIFICATIONS FOR LIQUID MEMBRANE-FORMING COMPOUNDS FOR CURING CONCRETE" (ASTM C 309). THE COMPOUND SHALL BE APPLIED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER IMMEDIATELY AFTER ANY WATER SHEEN WHICH MAY DEVELOP AFTER FINISHING HAS DISAPPEARED FROM THE CONCRETE SURFACE. IT SHALL NOT BE USED ON ANY SURFACE AGAINST WHICH ADDITIONAL CONCRETE IS TO BE BONDED UNLESS IT IS PROVEN THAT THE CURING COMPOUND WILL NOT PREVENT BOND, OR UNLESS POSITIVE MEASURES ARE TAKEN TO REMOVE IT COMPLETELY FROM AREAS TO RECEIVE BONDED APPLICATIONS. CURING SHALL BE CONTINUED AT LEAST 7 DAYS.

D. COLD FORMED GAUGE METAL FRAMING

COLD FORMED METAL FRAMING (CFMF) WALLS STUDS SHALL BE GALVANIZED AND HAVE THE FOLLOWING PROPERTIES -

LOCATION	SPACING IN.	MIN. DEPTH IN.	MIN. WIDTH IN.	MIN. GAUGE	FY KSI	l _x IN.4	S _x IN.3
VERT. STUDS	16	3.625	1.625	20	50	0.577	0.307
WALL TRACK		3.625	1.250	18	50	0.546	0.294
FLOOR JOIST	16	8	1.625	14	50	7.089	1.772

PROVIDE LIGHT GAGE BRIDGING BETWEEN VERTICAL STUDS AT 4'-0" CENTERS.

E. PREFABRICATED METAL BUILDING -

1. THE BUILDING SHALL BE A PREFABRICATED METAL STRUCTURE OF THE SIZE AND CONFIGURATION SHOWN. THE BUILDING SHALL BE FABRICATED ACCORDING TO AISC, MBMA AND AISI LATEST SPECIFICATIONS. WHEN CONFLICTS OCCUR BETWEEN AISC, MBMA, AND AISI, THE MOST STRINGENT SHALL CONTROL. THE DIMENSIONAL TOLERANCES OUTLINED IN THE AWS CODE UNDER WORKMANSHIP AND THE TOLERANCES APPLICABLE TO ROLL FORMED STEEL UNDER THE AISC "STANDARD MILL PRACTICE" SECTION SHALL BE REQUIRED IN THE FABRICATION OF THE STEEL BUILDING FRAMES.

2. THE BUILDING SHALL BE DESIGNED ACCORDING TO THE BUILDING CODE, AISC, MBMA AND AISI LATEST SPECIFICATIONS. WHEN CONFLICTS OCCUR, THE MOST STRINGENT SHALL GOVERN. THE FOLLOWING ARE ADDITIONAL DESIGN REQUIREMENTS:

A. A COMPLETE DESIGN ANALYSIS SHOWING ALL CALCULATIONS FOR THE RIGID FRAMES, GIRTS, PURLINS AND X BRACING FOR WIND AND SEISMIC LOADS AND A LAYOUT OF ANCHOR BOLTS AND OTHER EMBEDDED ITEMS SHALL BE SUBMITTED FOR APPROVAL WITH THE SHOP DRAWINGS. SHOP DRAWINGS SHALL INCLUDE DETAILS OF ALL MAIN MEMBERS, TYPICAL CONNECTIONS (SHOWING BOLT HOLES AND WELDS), AND ERECTION DRAWINGS. SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED BEARING THE SEAL OF AN ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

B. THE BUILDING SHALL BE DESIGNED TO SUPPORT ALL MECHANICAL AND KITCHEN EQUIPMENT INCLUDING HEATERS, SPRINKLERS, EXHAUST SYSTEMS, AND ALL OTHER SUCH DEVICES. ADDITIONAL GIRTS OR PURLINS SHALL BE PLACED IN CONVENIENT LOCATIONS FOR ATTACHMENT OF ALL EQUIPMENT.

C. THE BUILDING FRAME SHALL BE DESIGNED TO LIMIT THE LATERAL DEFLECTION TO H/200, H BEING THE EAVE HEIGHT, AT THE BUILDING EAVE FOR THE BASIC WIND SPEED CALLED FOR IN THE STRUCTURAL NOTES SECTION A.

F. MISCELLANEOUS -

1. SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS, PREPARED BY CONTRACTOR, SUBCONTRACTOR, SUPPLIER OR DISTRIBUTOR. REPRODUCTION OF STRUCTURAL CONTRACT DOCUMENTS AS ERECTION PLANS OR DETAILS WILL NOT BE PERMITTED AND WILL BE REJECTED WITHOUT CHECKING.

2. CONTRACTOR SHALL SUPPLY ALL ITEMS FOR ATTACHING MECHANICAL AND ELECTRICAL EQUIPMENT TO THE BUILDING STRUCTURE TO RESIST ALL LOADS INCLUDING SEISMIC FORCES. ATTACHMENT SHALL BE MADE SO AS NOT TO OVERSTRESS STRUCTURAL MEMBERS. COORDINATE THE ATTACHMENTS AND LOCATIONS OF THE EQUIPMENT WITH THE STRUCTURAL SHOP DRAWINGS. REFER TO THE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

3. SUBSTITUTION OF EXPANSION ANCHORS FOR EMBEDDED ANCHORS SHOWN ON THE DRAWINGS WILL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER IN ADVANCE.

4. THE CONTRACTOR SHALL PROVIDE THE FOLLOWING ADDITIONAL SERVICES-

A. VERIFICATION OF ALL DIMENSIONS, ELEVATIONS, OPENING SIZES, AND MECHANICAL EQUIPMENT WEIGHTS PRIOR TO STARTING WORK.

B. VERIFICATION OF ALL DIMENSIONS AND MEMBER SIZES RELATING TO EXISTING BUILDING.

C. VERIFICATION OF ALL FLOOR DEPRESSIONS AND OFFSETS WITH ARCHITECTURAL DRAWINGS.

D. REMOVE ALL ABANDONED FOUNDATIONS, UTILITIES, PIPELINES, ETC. THAT INTERFERE WITH NEW CONSTRUCTION.

E. REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTAL NOTING CHANGES MADE WHICH DO NOT COMPLY WITH DESIGN DRAWINGS.

F. PROVIDE TEMPORARY BRACING AND SHORING AS REQUIRED FOR STABILITY DURING CONSTRUCTION.

SPECIAL INSPECTIONS

PER IBC SECTION 1704, SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING ITEMS:

1. CONCRETE CONSTRUCTION IN ACCORDANCE WITH 2018 IBC TABLE 1705.3

- A.) DURING THE TAKING OF TEST SPECIMENS.
- B.) DURING THE PLACEMENT OF CONCRETE AROUND BOLTS.
- C.) DURING THE PLACING OF REINFORCING STEEL.
- D.) DURING THE PLACEMENT OF ALL REINFORCED CONCRETE, UNLESS NOTED OTHERWISE.
- E.) EXCEPTION: NO INSPECTION IS REQUIRED FOR CONVENTIONAL SLABS- ON- GRADE.

2. STEEL CONSTRUCTION IN ACCORDANCE WITH 2018 IBC SECTION 1705

3. WELDING

- A.) VISUAL INSPECTION OF ALL WELDS.

4. MASONRY CONSTRUCTION IN ACCORDANCE WITH 2018 IBC SECTION 1705

- A.) DURING THE PREPARATION OF TEST PRISMS.
- B.) DURING THE PLACEMENT OF REINFORCING STEEL AND GROUT.
- C.) CLEANOUTS PRIOR TO CLOSING.

5. ADHESIVE, EXPANSION AND EPOXY BOLTS

- A.) DURING PLACEMENT OF ALL ADHESIVE, EXPANSION AND EPOXY BOLTS FOR VISUAL VERIFICATION OF HOLE DIAMETER AND DEPTH AND PLACEMENT OF BOLT AND/ OR ADHESIVE OR EPOXY.

6. SOILS IN ACCORDANCE WITH 2018 IBC TABLE 1705.6 AND 1705.8

7. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:

- A.) THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED TO VERIFY THAT IT IS IN ACCORDANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
- B.) THE AGENCY IN CHARGE OF SPECIAL INSPECTION SHALL PROVIDE INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OR ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF UNCORRECTED, SUCH DISCREPANCIES SHALL BE SUBMITTED TO THE DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
- C.) UPON COMPLETION OF THE ASSIGNED WORK THE ENGINEER OR ARCHITECT SHALL COMPLETE AND SIGN THE APPROPRIATE FORMS CERTIFYING THAT TO THE BEST OF HIS KNOWLEDGE THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.

SPECIAL INSPECTION IS TO BE PROVIDED IN ADDITION TO THE INSPECTIONS CONDUCTED BY THE CITY AND SHALL NOT BE CONSTRUED TO RELIEVE THE OWNER OR HIS AUTHORIZED AGENT FROM REQUESTING THE PERIODIC AND CALLED INSPECTIONS REQUIRED BY SEC. 106 OF THE INTERNATIONAL BUILDING CODE. SPECIAL INSPECTION IS REQUIRED FOR THE ABOVE.

MATERIALS TESTING

ANY MATERIALS TESTING REQUIRED IN THESE DOCUMENTS SHALL BE PROVIDED BY AN INDEPENDENT TESTING AGENCY LICENSED AND EXPERIENCED IN TESTING ACCORDING TO ASTM OR OTHER APPROVED AND RECOGNIZED STANDARDS. THE TESTING AGENCY SHALL PROVIDE WRITTEN REPORTS TO THE CONTRACTOR, ENGINEER OF RECORD, ARCHITECTS AND OWNER WITHIN ONE WEEK OF COMPLETION OF ANY TEST. ANY FAILURE OR DEFICIENCIES DISCOVERED DURING INSPECTION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR AND SHALL BE CLEARLY NOTED ON THE TESTING REPORT.

CONSTRUCTION DOCUMENTS
 3/10/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

GENERAL NOTES

JOB 2022.28

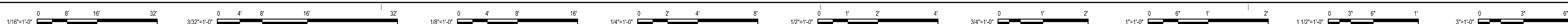
ISSUE 3/10/2023

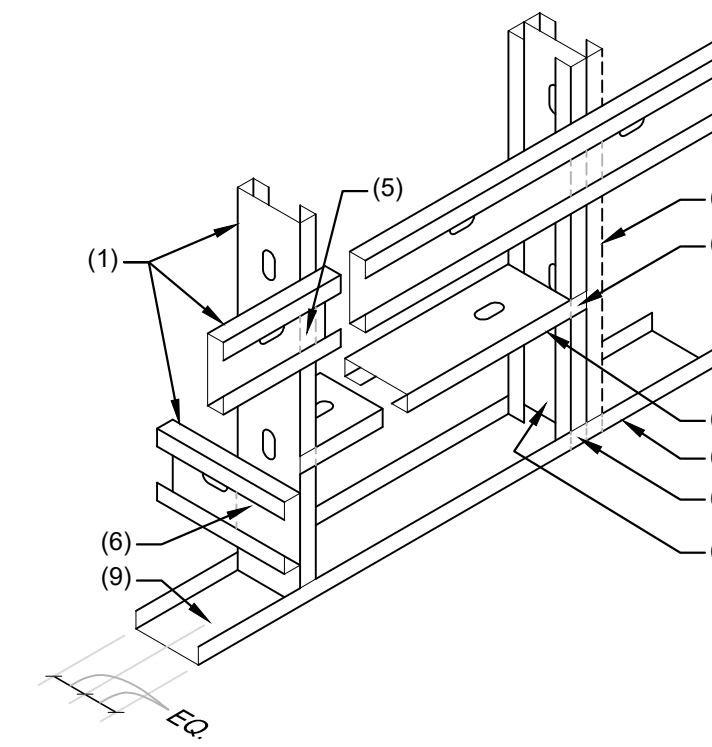
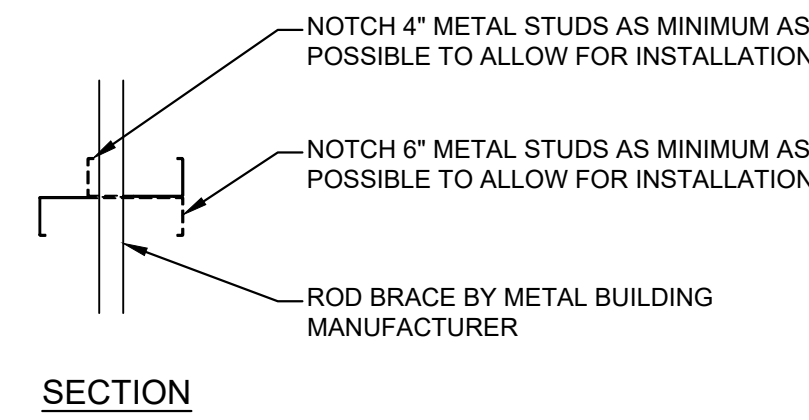
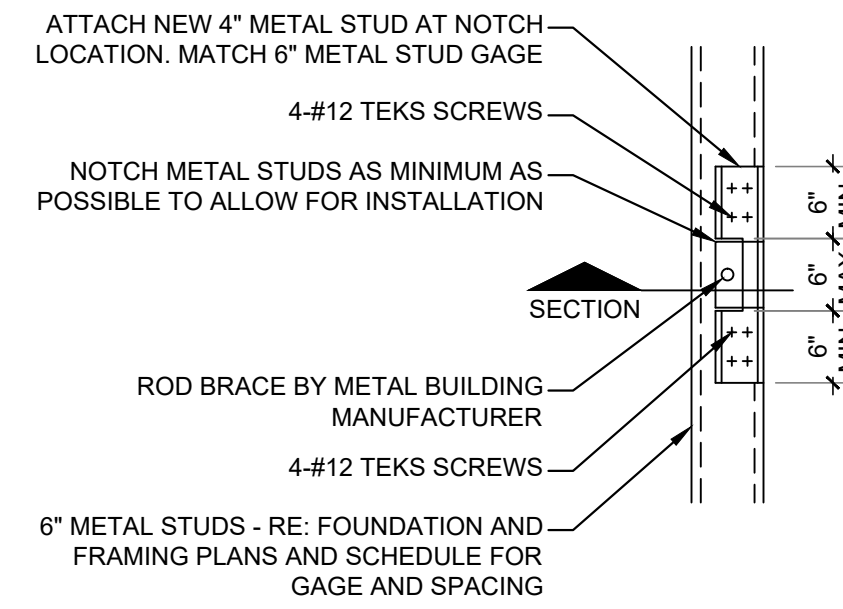
DRAWN BY: PC

CHKD BY: EDR

S001

SCALE





- NOTES:
- STEEL STUD.
 - CONT. 16 GA. UNPUNCHED STEEL TRACK - REQUIRED ATTACHMENT:
 - HILTI X-DNI (1/2" MIN. EMBED, 145 SHANK DIAMETER) POWDER DRIVEN PINS (I.C.B.O. NO. 2388) AT 12" O.C.
 - DOUBLE STUD WHERE SHOWN ON PLAN AND DETAILS.
 - #10-16 TEKS 3 SCREWS EACH SIDE.
 - (3) #10-16 X 1/2" LONG TEKS 3 SCREWS.
 - (4) #10-16 TEKS 3 SCREWS AT 12" O.C. AT DOUBLE STUDS.
 - INTERMEDIATE STEEL STUD BLOCKING.
 - POWDER ACTUATED FASTENERS (SEE NOTE 2).

1 STEEL STUD NOTCH REPAIR DETAIL

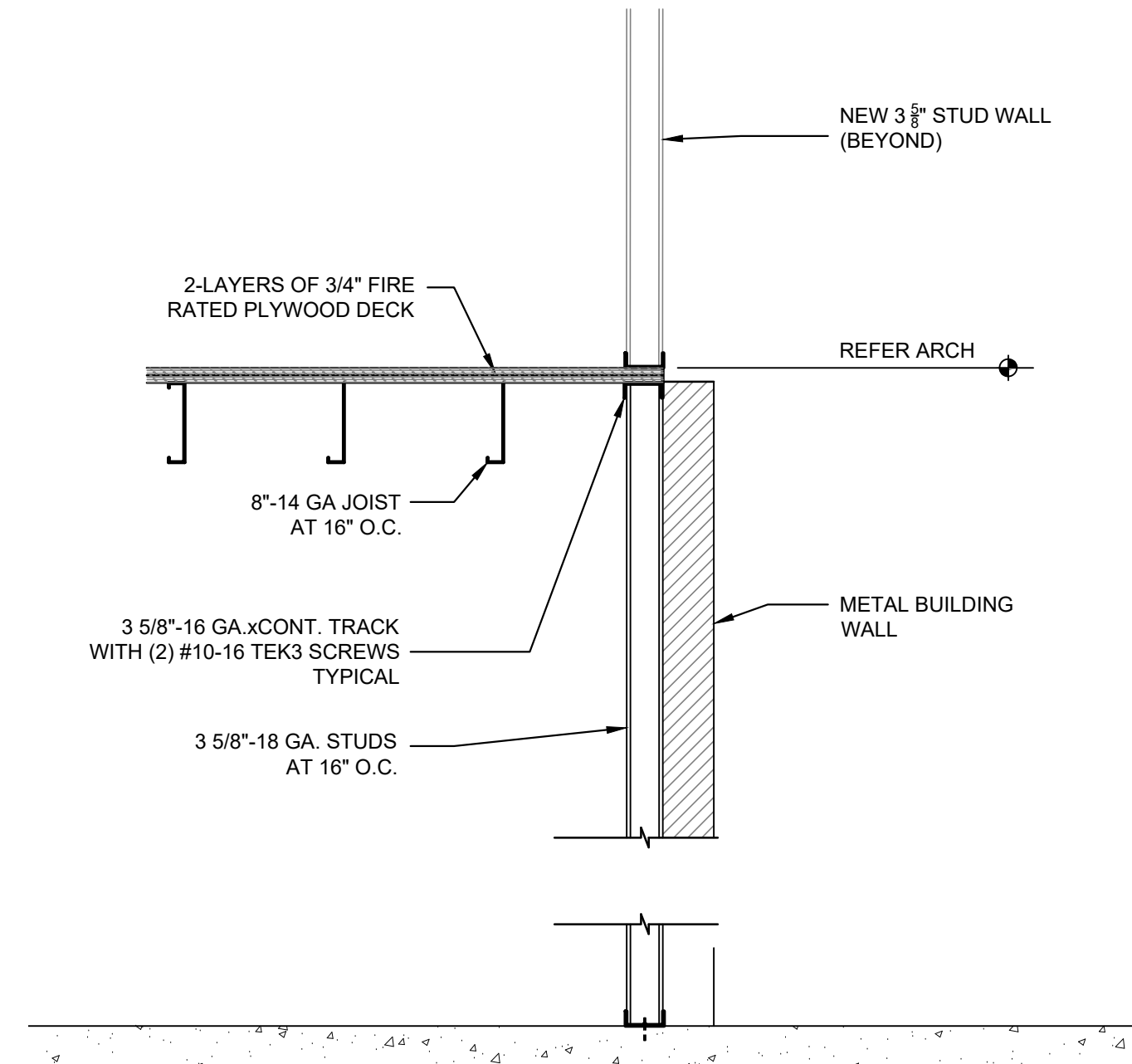
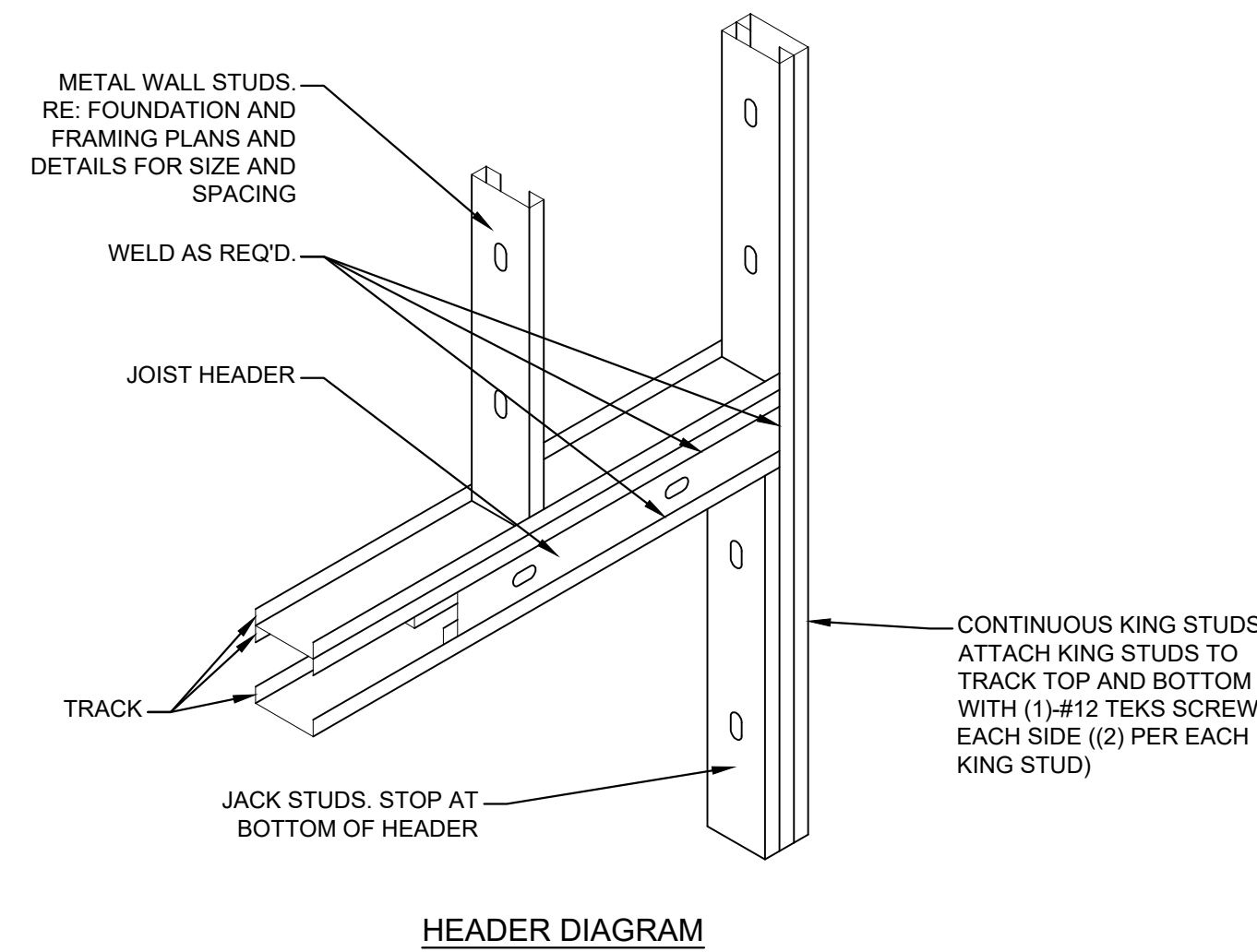
NOT TO SCALE

3 TYPICAL STEEL WALL - SCREW CONNECTION

NOT TO SCALE

HEADER SCHEDULE - EXTERIOR WALLS				
WIDTH	CLEAR SPAN	HEADER	JACK STUDS	KING STUDS
6"	UP TO 4'-4"	(3)-6"x18 GAGE	(1)-6"x18 GAGE	(1)-6"x18 GAGE
6"	4'-5" TO 6'-4"	(3)-6"x16 GAGE	(1)-6"x16 GAGE	(1)-6"x16 GAGE
6"	6'-4" TO 8'-4"	(3)-8"x16 GAGE	(2)-6"x16 GAGE	(2)-6"x16 GAGE
6"	8'-4" TO 10'-4"	(3)-12"x16 GAGE	(2)-6"x16 GAGE	(2)-6"x16 GAGE

- NOTES:
- USE HEADER SCHEDULE ABOVE, UNLESS NOTED OTHERWISE ON FRAMING PLANS OR DETAILS.
 - EACH HEADER SHALL INCLUDE (3)-6"x16 GAGE TRACK SECTIONS AS SHOWN.

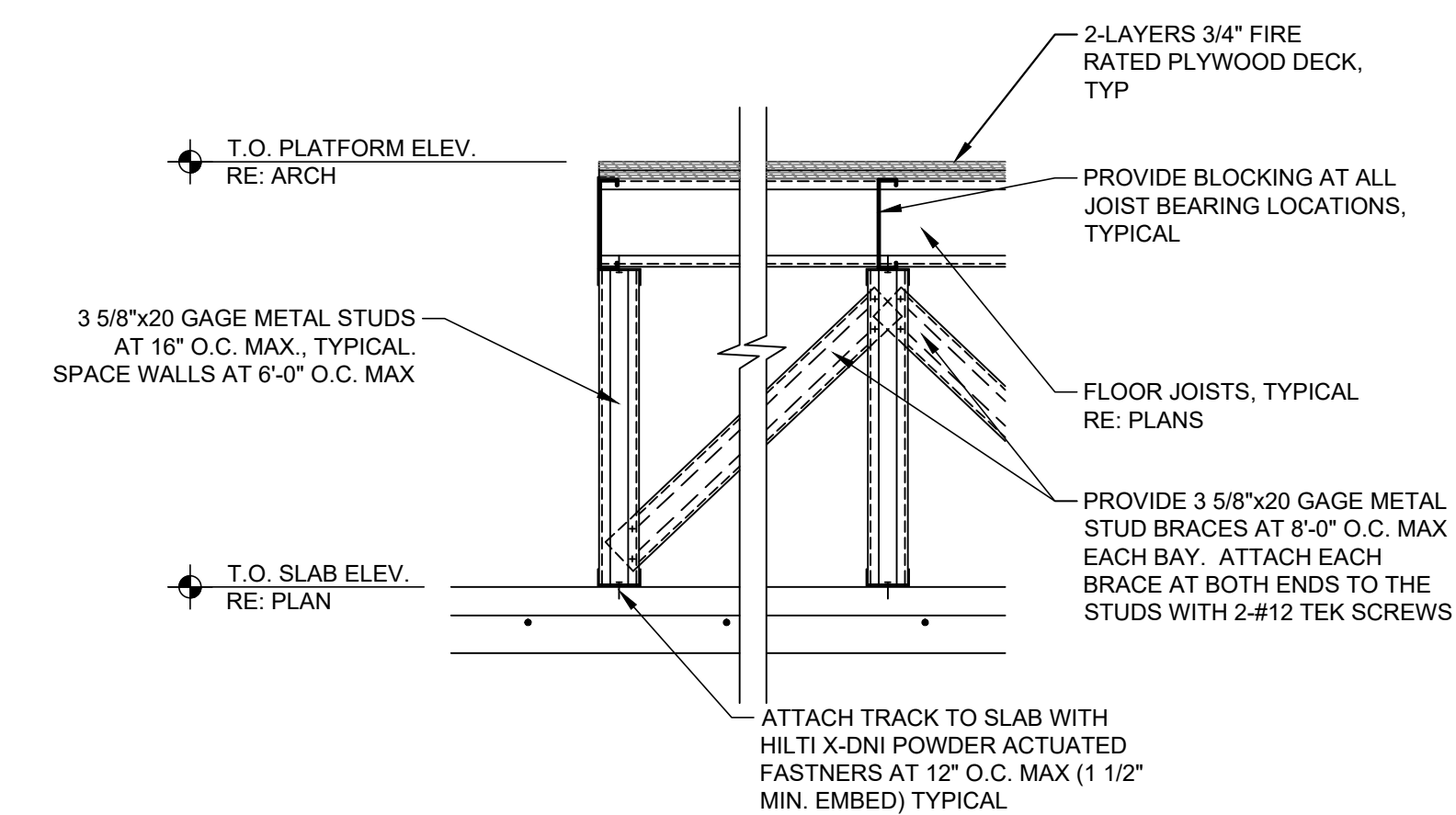
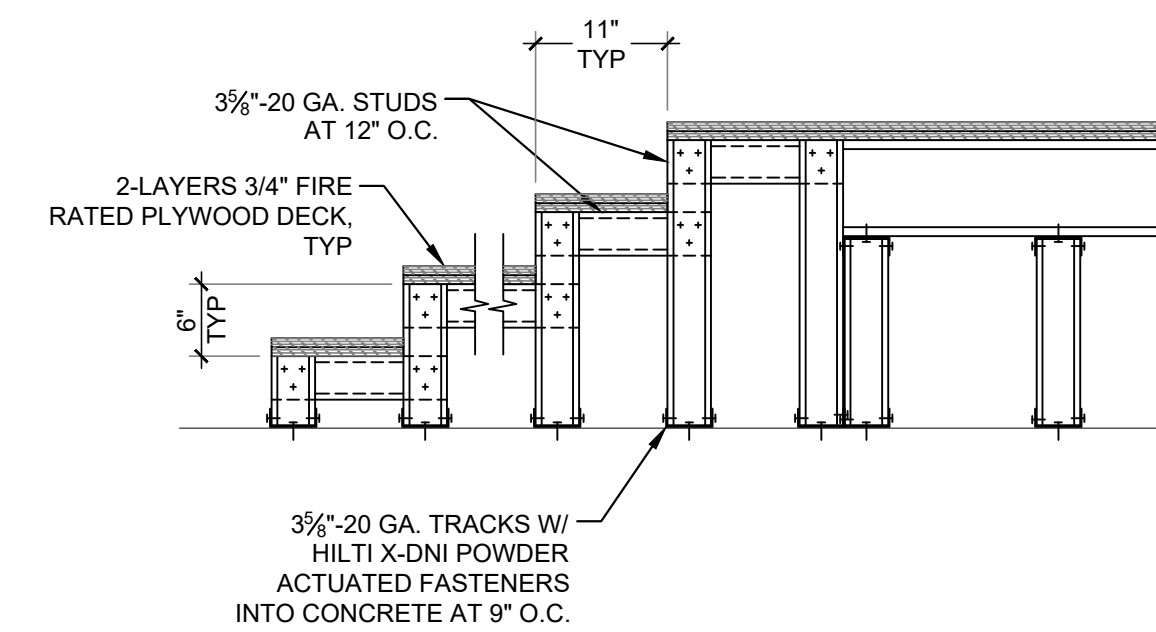
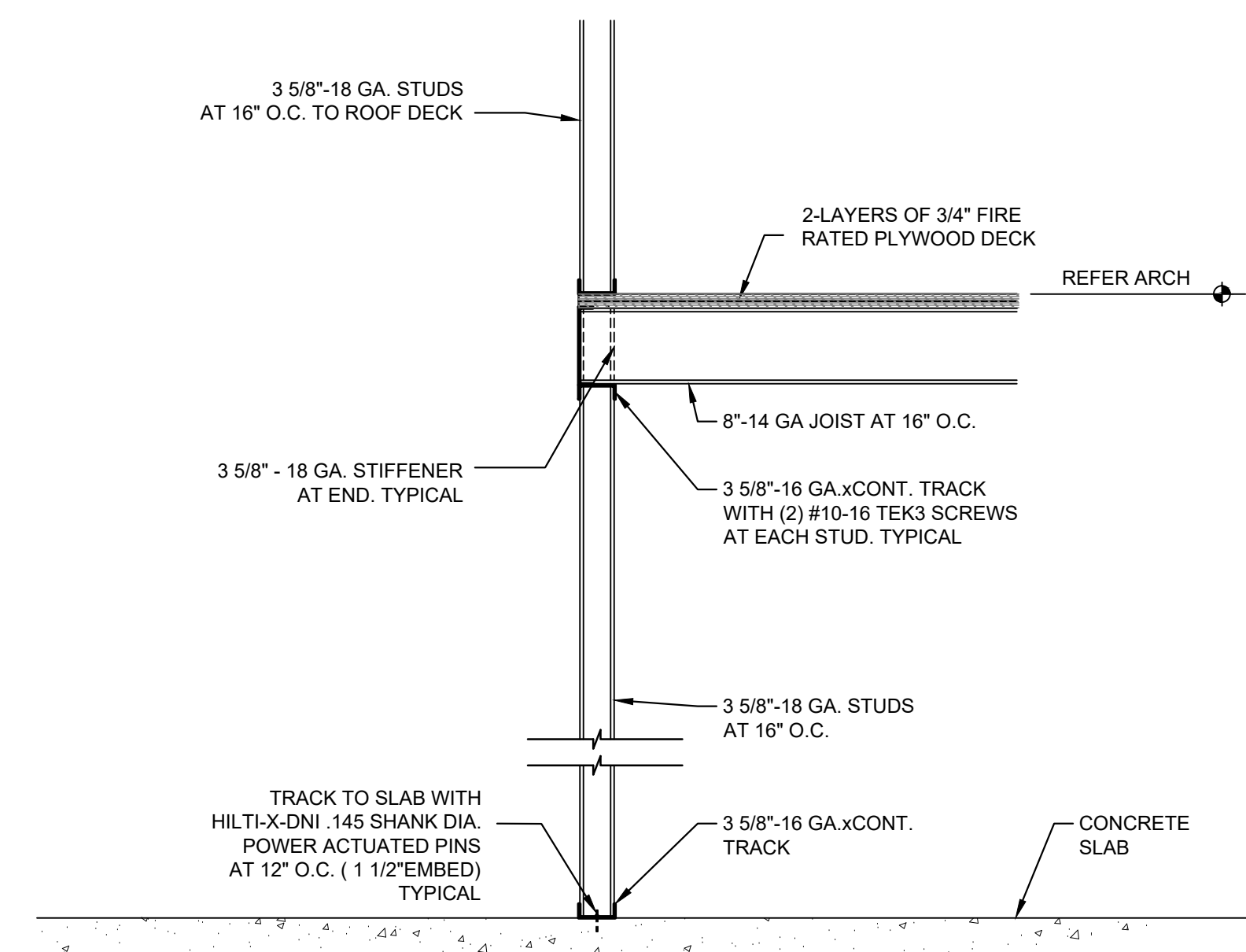


2 HEADER SCHEDULE

NOT TO SCALE

4 DETAIL

3/4" = 1'-0"



5 DETAIL

3/4" = 1'-0"

6 SECTION

3/4" = 1'-0"

7 SECTION

3/4" = 1'-0"

CONSTRUCTION DOCUMENTS
3/10/2023

PRYOR CREEK MENNONITE CHURCH

1919 W. 470
PRYOR, OK 74361

REVISIONS

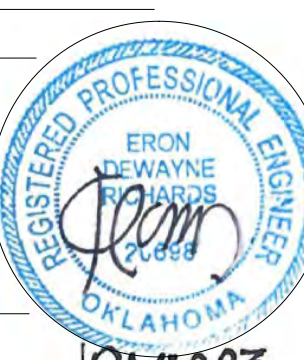
STANDARD STRUCTURAL DETAILS

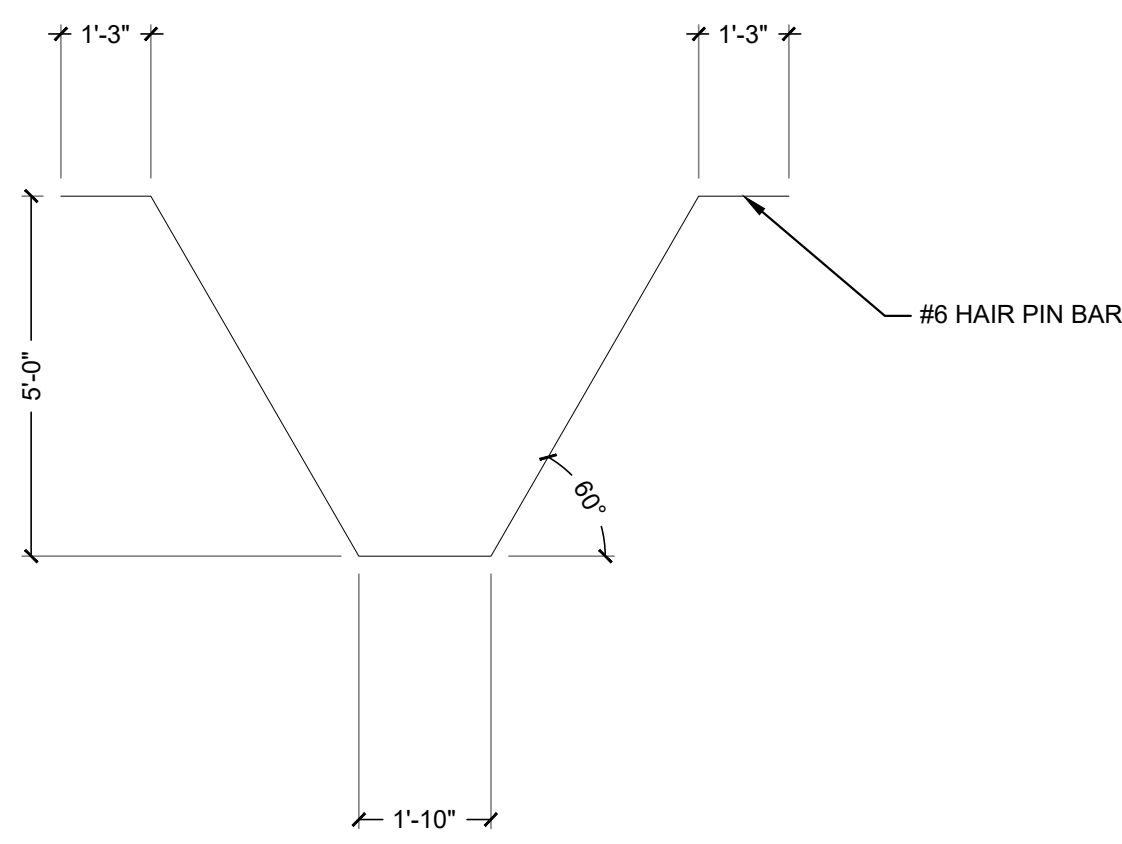
JOB 2022.28
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DRAWN BY: PC
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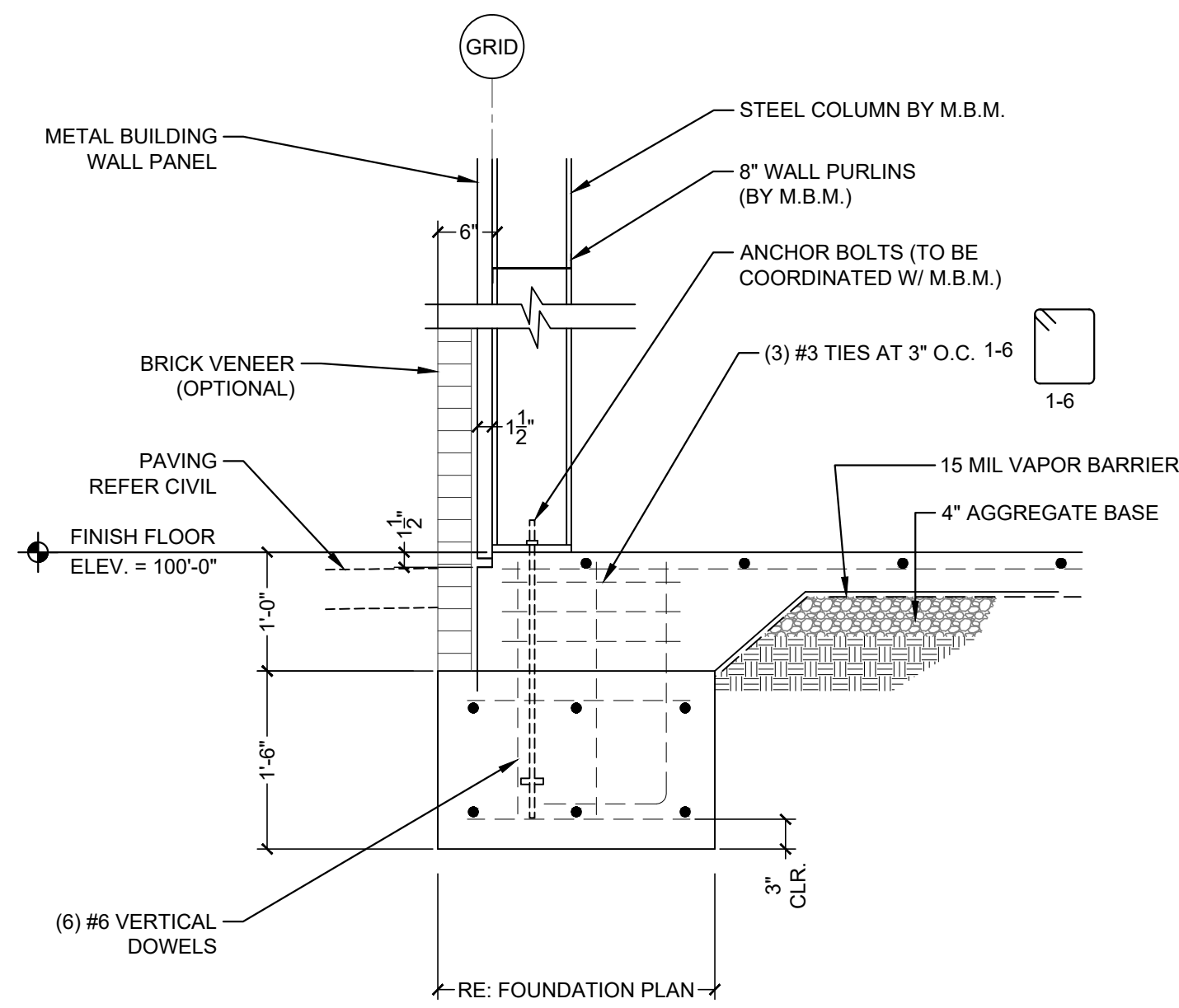
S002

SCALE: AS SHOWN





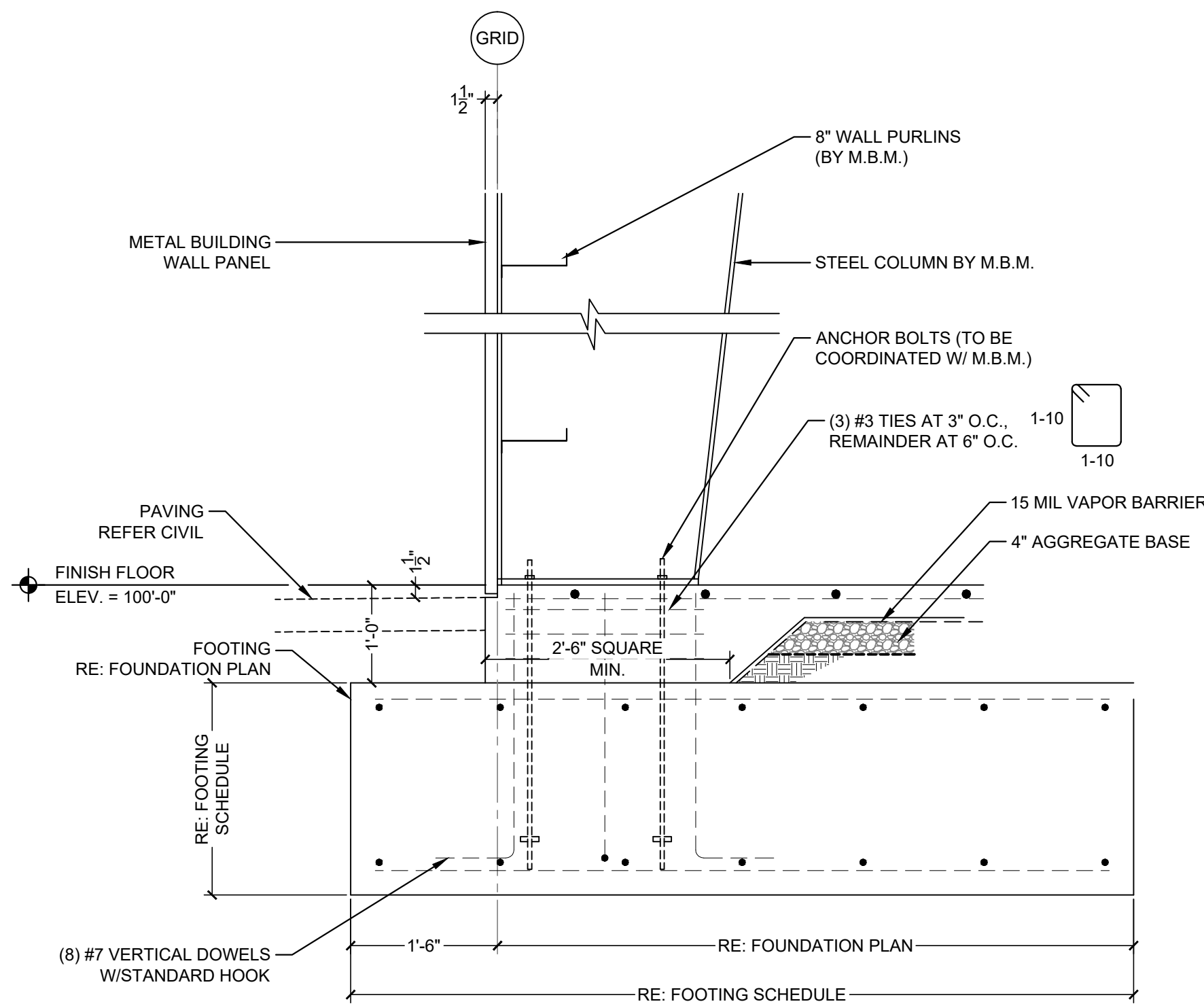
1 DETAIL
3/8" = 1'-0"



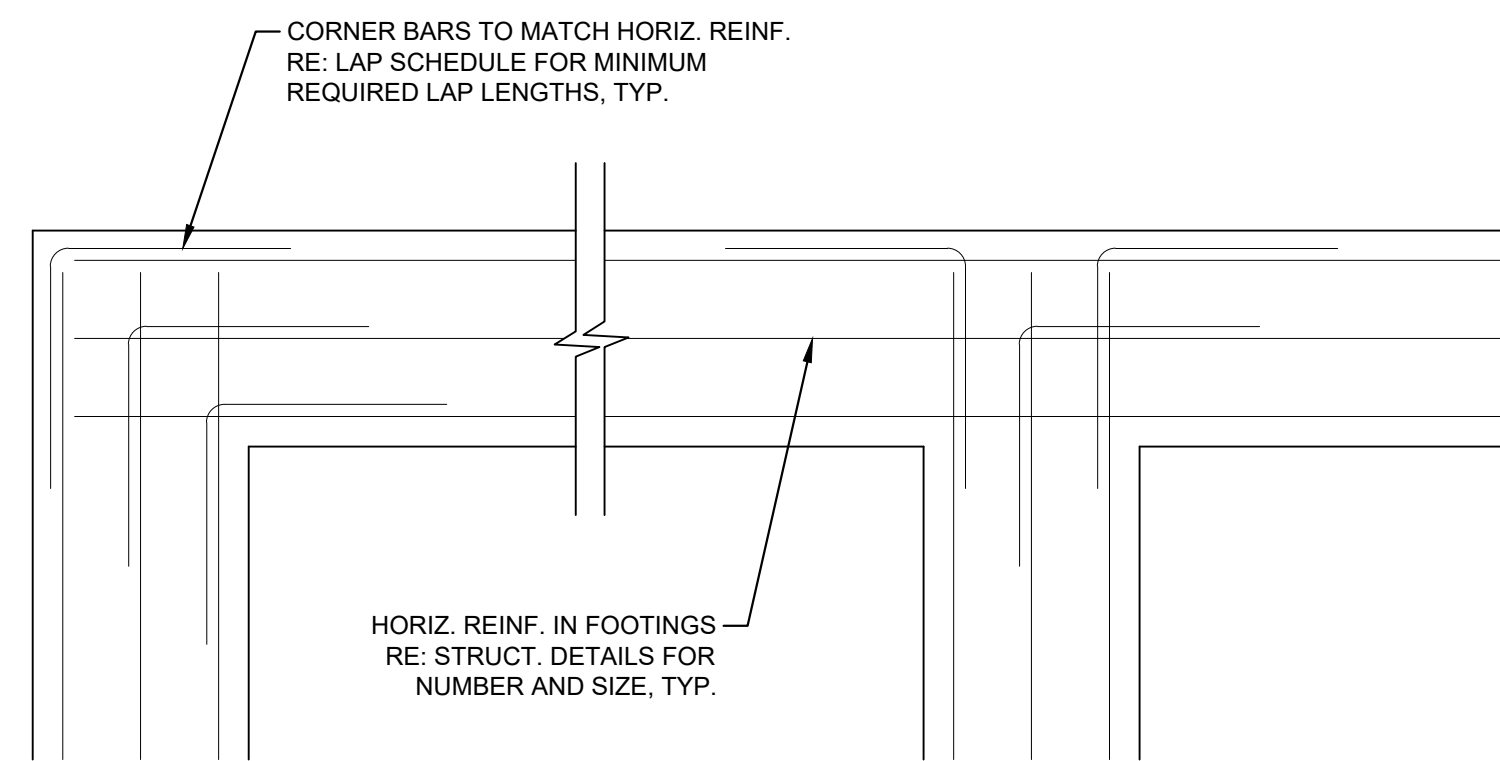
4 SECTION
3/4" = 1'-0"

BAR SIZE	LAP	
	TOP	OTHER
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"

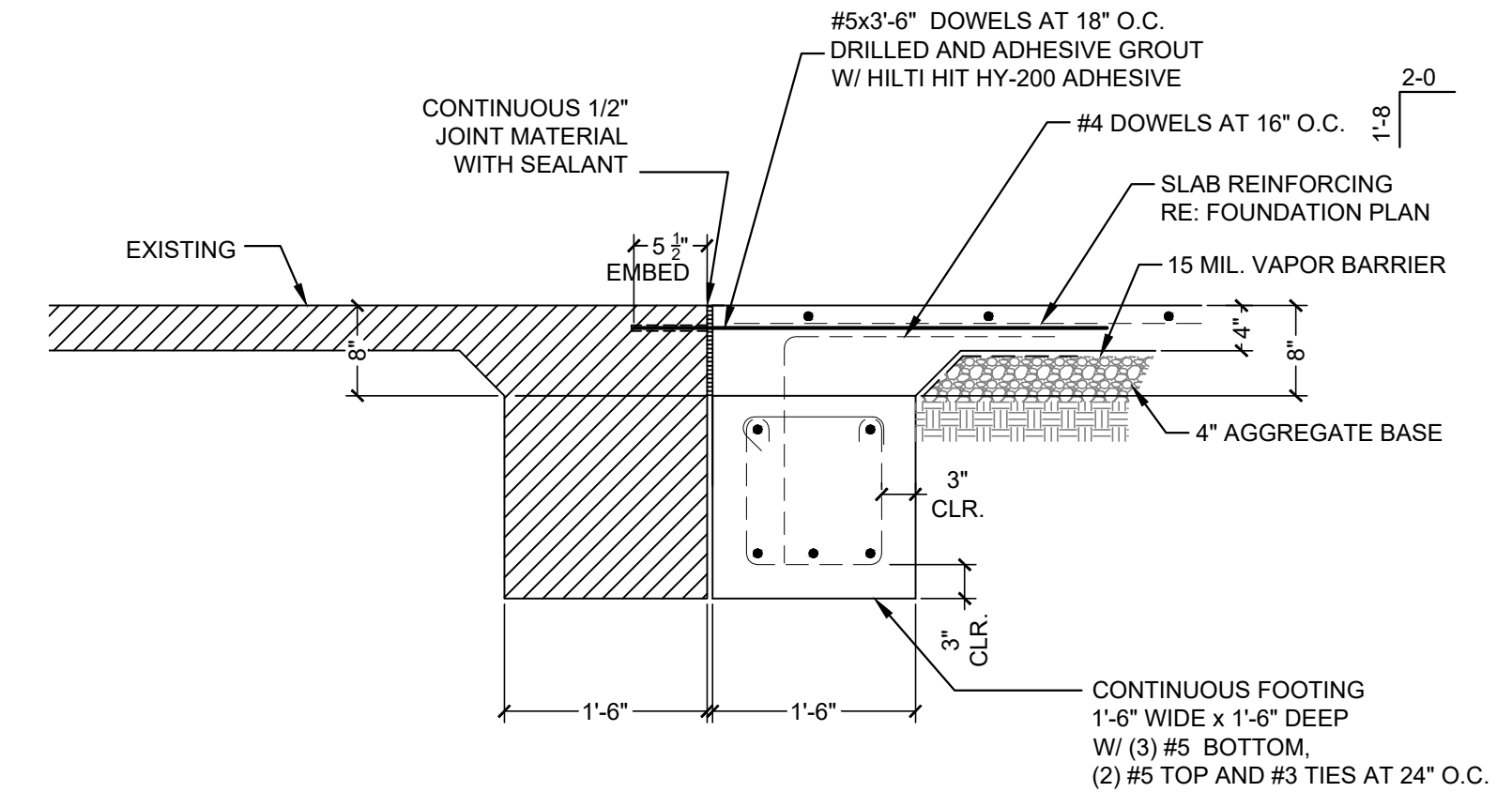
6 REINFORCED LAP SCHEDULE
NO SCALE



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



5 CORNER BARS DETAIL
NO SCALE



9 SECTION
3/4" = 1'-0"

CONSTRUCTION DOCUMENTS
3/10/2023

PRYOR CREEK MENNONITE CHURCH

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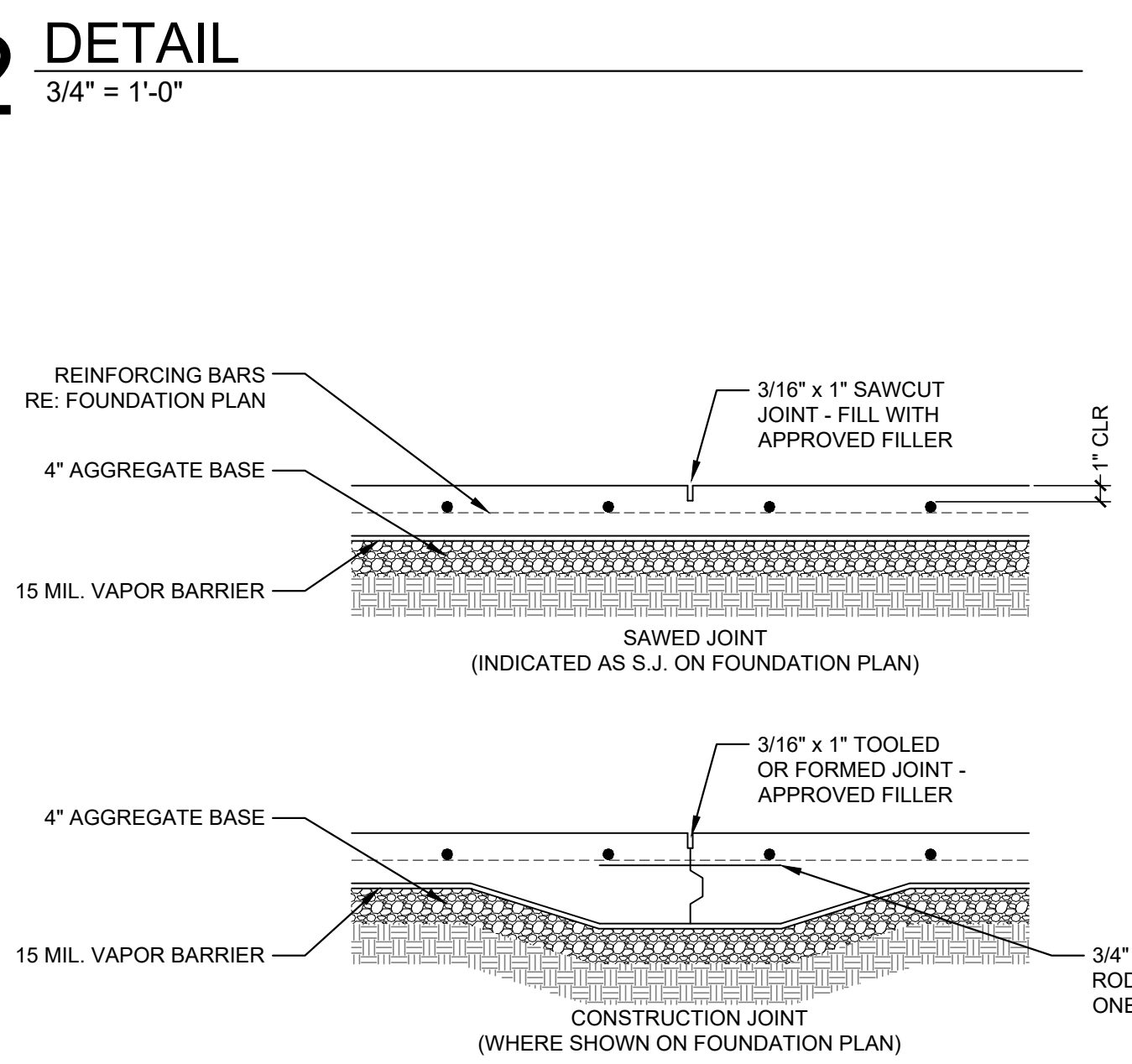
REVISIONS

GENERAL DETAILS

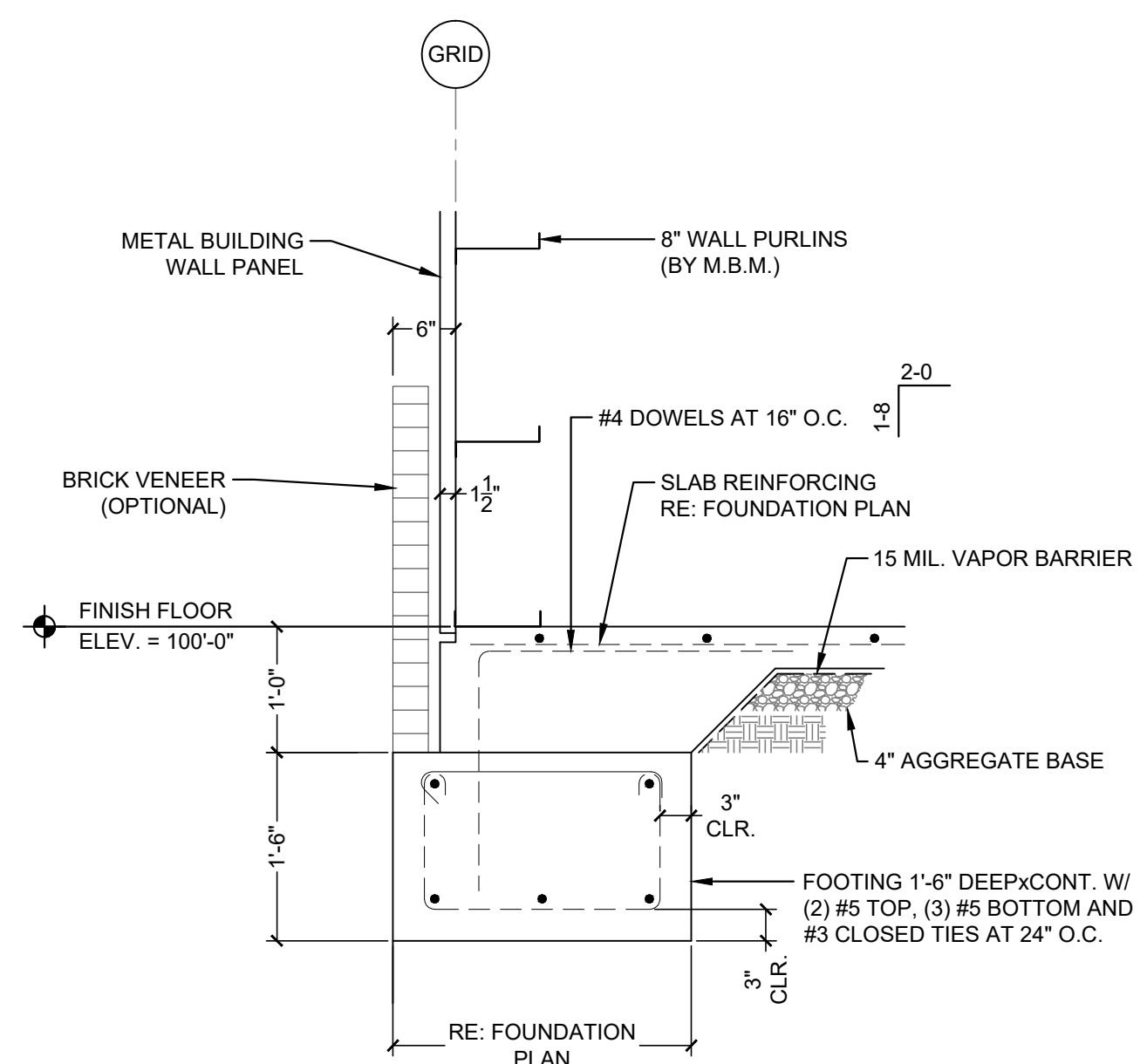
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S003

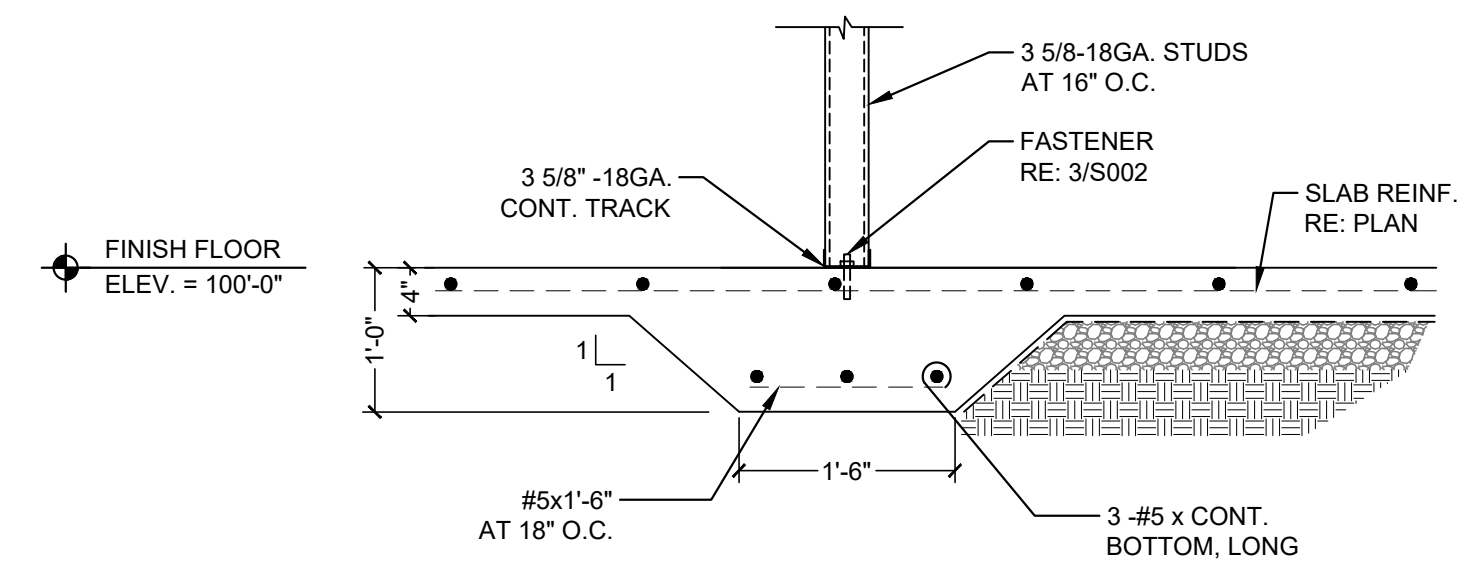
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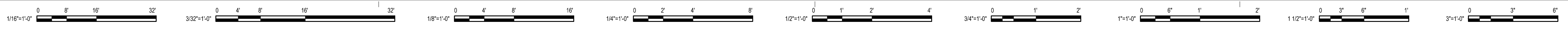
3 SECTION
3/4" = 1'-0"



7 SECTION
3/4" = 1'-0"



8 SECTION
3/4" = 1'-0"



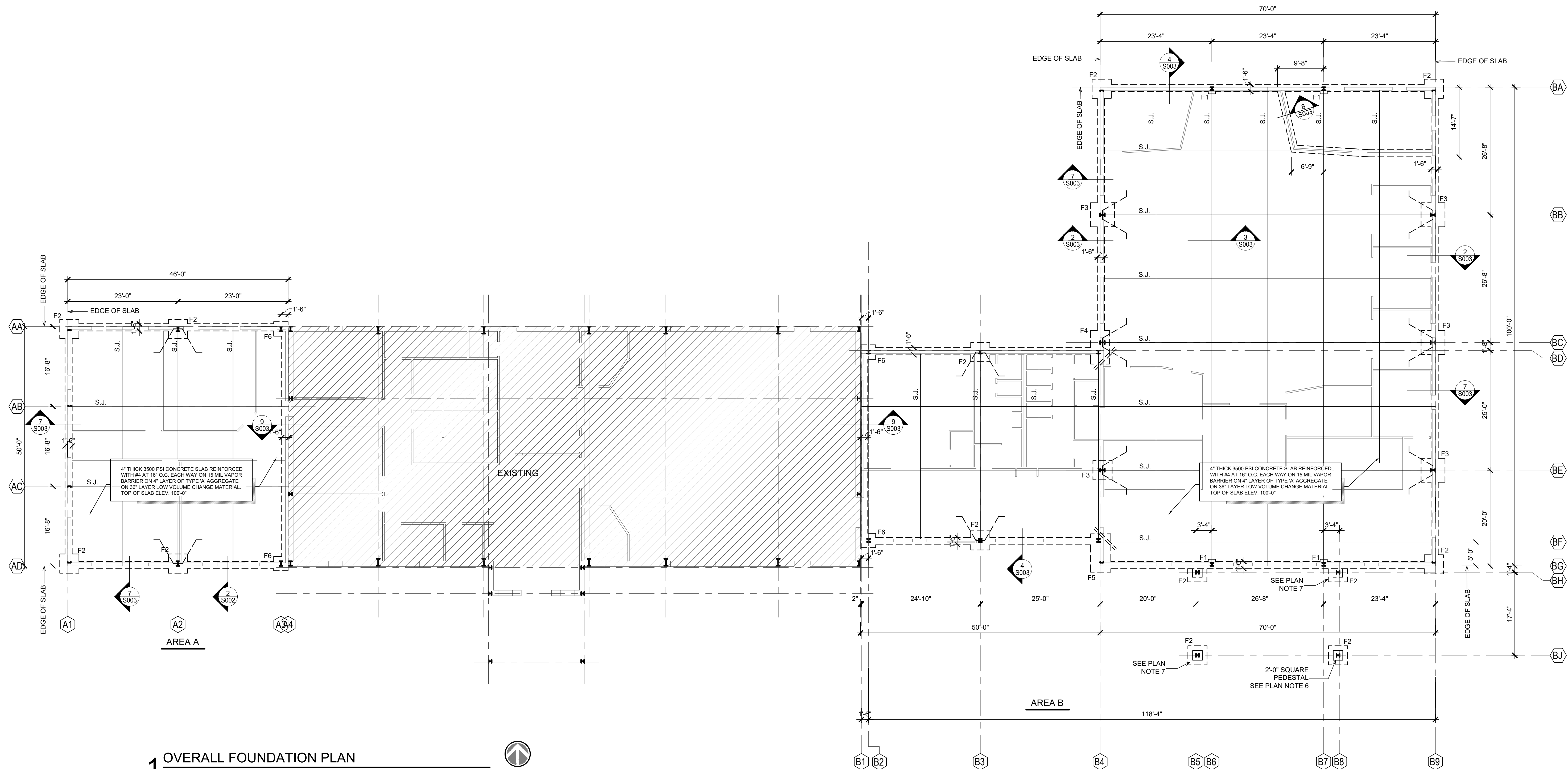
2/6/2023 11:07:34 AM

FOUNDATION & SLAB NOTES

- S.J. ON PLAN INDICATES 3/8" WIDE x 1" DEEP SAWED JOINT.
- SAW CUTTING OF SLAB JOINTS TO OCCUR WITHIN 12 HOURS AFTER SLAB POUR.
- INDICATES HAIR PIN REBAR WITHIN SLAB. RE: 1/S-003
- ALL INTERIOR TOP OF FOOTING ELEVATIONS = 99'-4"
- (M.B.M.) INDICATES METAL BUILDING MANUFACTURER
- 2'-0" x 2'-0" PEDESTALS ARE TO BE REINFORCED WITH (8) #6 VERTICAL DOWELS AND #3 TIES AT 3" TYPICAL.
- TOP OF FOOTING ELEVATION = 2'-0" BELOW FINISHED FLOOR

FOOTING SCHEDULE

MARK	SIZE LxWxD	REINFORCEMENT
F1	2'-0"x1'-6"x2'-0"D	(4)#5x3'-0" EACH WAY, TOP AND BOTTOM
F2	4'-0"x4'-0"x2'-0"D	(4)#5x3'-6" EACH WAY, TOP AND BOTTOM
F3	5'-0"x5'-0"x2'-0"D	(5)#5x4'-6" EACH WAY, TOP AND BOTTOM
F4	4'-0"x7'-0"x2'-0"D	#5 AT 12" O.C. EACH WAY, TOP AND BOTTOM
F5	4'-0"x8'-0"x2'-0"D	#5 AT 12" O.C. EACH WAY, TOP AND BOTTOM
F6	3'-0"x3'-0"x2'-0"D	(4)#5 x 2'-6" EACH WAY, TOP AND BOTTOM



1 OVERALL FOUNDATION PLAN

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



CONSTRUCTION DOCUMENTS
10/9/2023

**PRYOR CREEK
MENNONITE
CHURCH**

1919 W. 470
PRYOR, OK 74361

REVISIONS

**OVERALL
FOUNDATION PLAN**

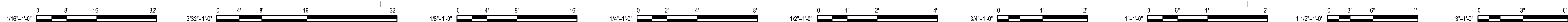
JOB: 2022.28
ISSUE: 3/10/2023
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CHKD BY: EDR

S100

SCALE: AS SHOWN



90023

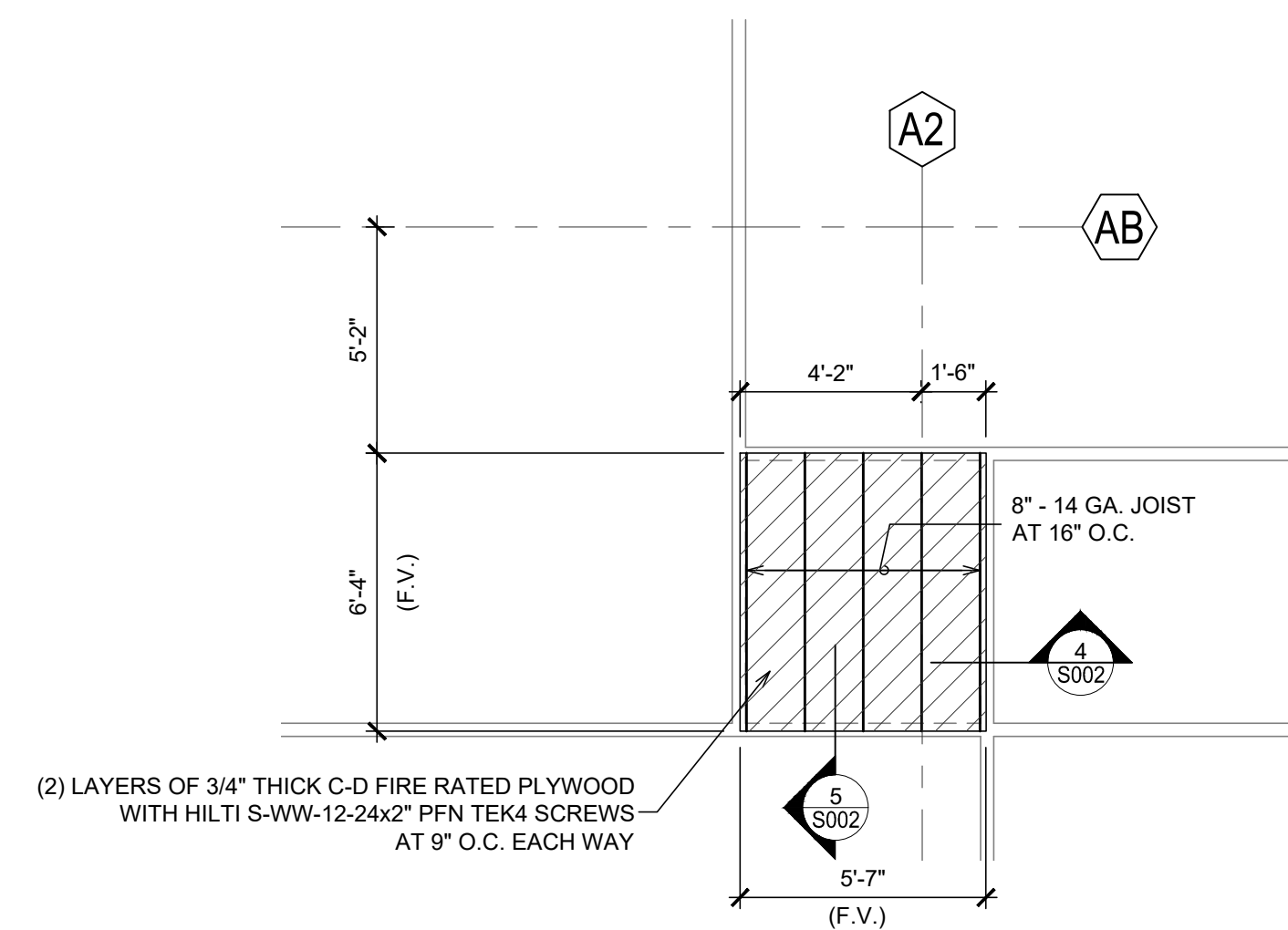


CONSULTANT:

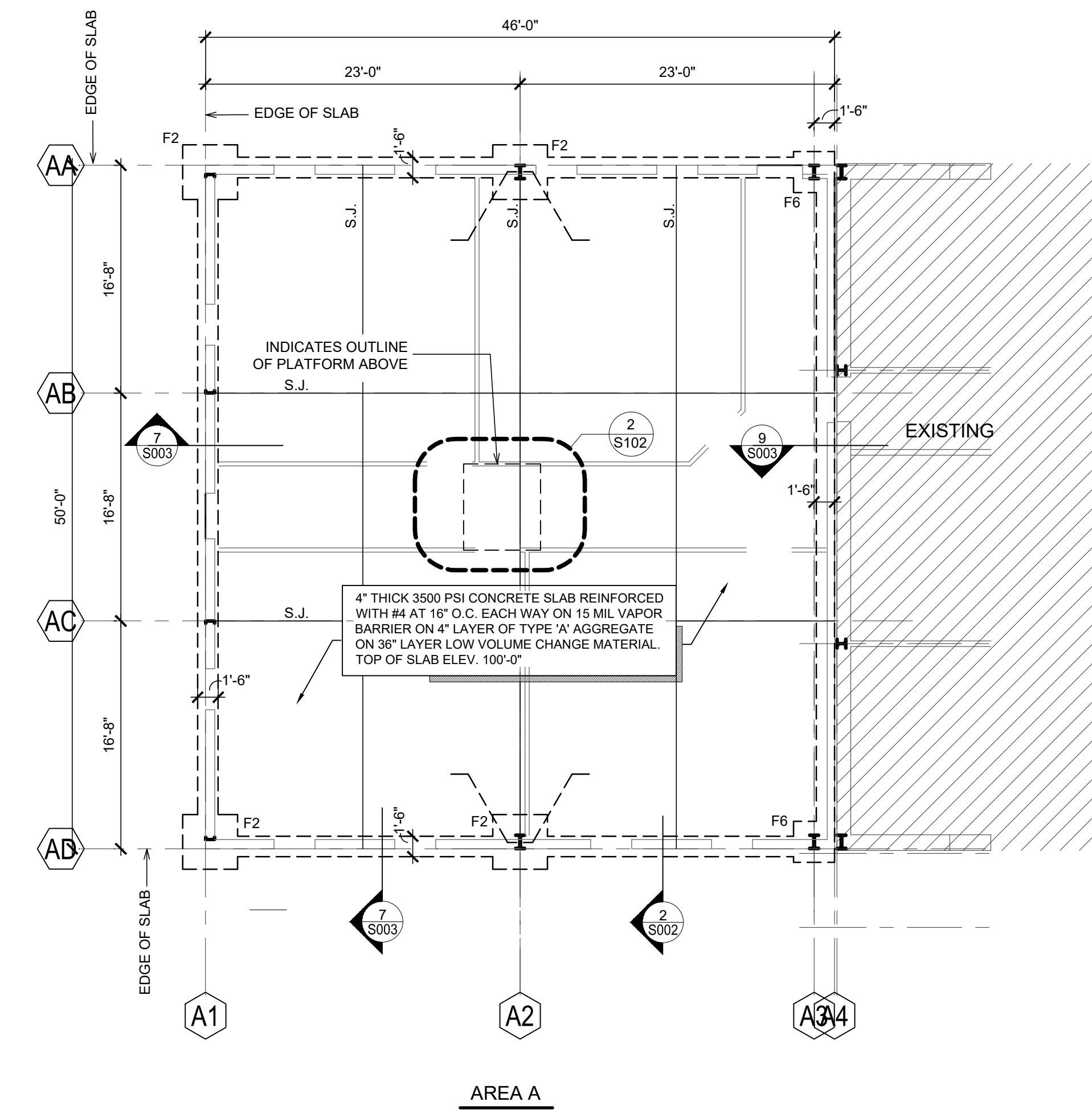
RICHARDS & ASSOCIATES, INC.
 424 EAST MAIN STREET - JENKS, OK
 405.627.9584 FAX 918.355.9389
 C.A. #4458 EXP. DATE 06.30.23

FOUNDATION & SLAB NOTES

1. S.J. ON PLAN INDICATES 3/16" WIDE x 1" DEEP SAWS JOINT.
2. SAW CUTTING OF SLAB JOINTS TO OCCUR WITHIN 12 HOURS AFTER SLAB POUR.
3. INDICATES HAIR PIN REBAR WITHIN SLAB. RE: 1/S-003
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6. 2'-0" x 2'-0" PEDESTALS ARE TO BE REINFORCED WITH (8) #6 VERTICAL DOWELS AND #3 TIES AT 3'-0" TYPICAL.
7. TOP OF FOOTING ELEVATION = 2'-0" BELOW FINISHED FLOOR
8. INDICATES OUTLINE OF MECHANICAL PLATFORM ABOVE CEILING.



2 MECHANICAL PLATFORM FRAMING PLAN
 SCALE: 1/4" = 1'-0"



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



CONSTRUCTION DOCUMENTS
 10/9/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
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REVISIONS

FOUNDATION PLAN
 AREA A

JOB 2022.28
 ISSUE 3/10/2023

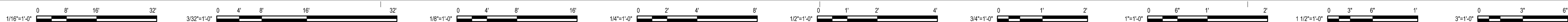
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 CHKD BY: EDR

S102

SCALE: AS SHOWN



9/20/23



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CONSULTANT:

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CONSTRUCTION SET
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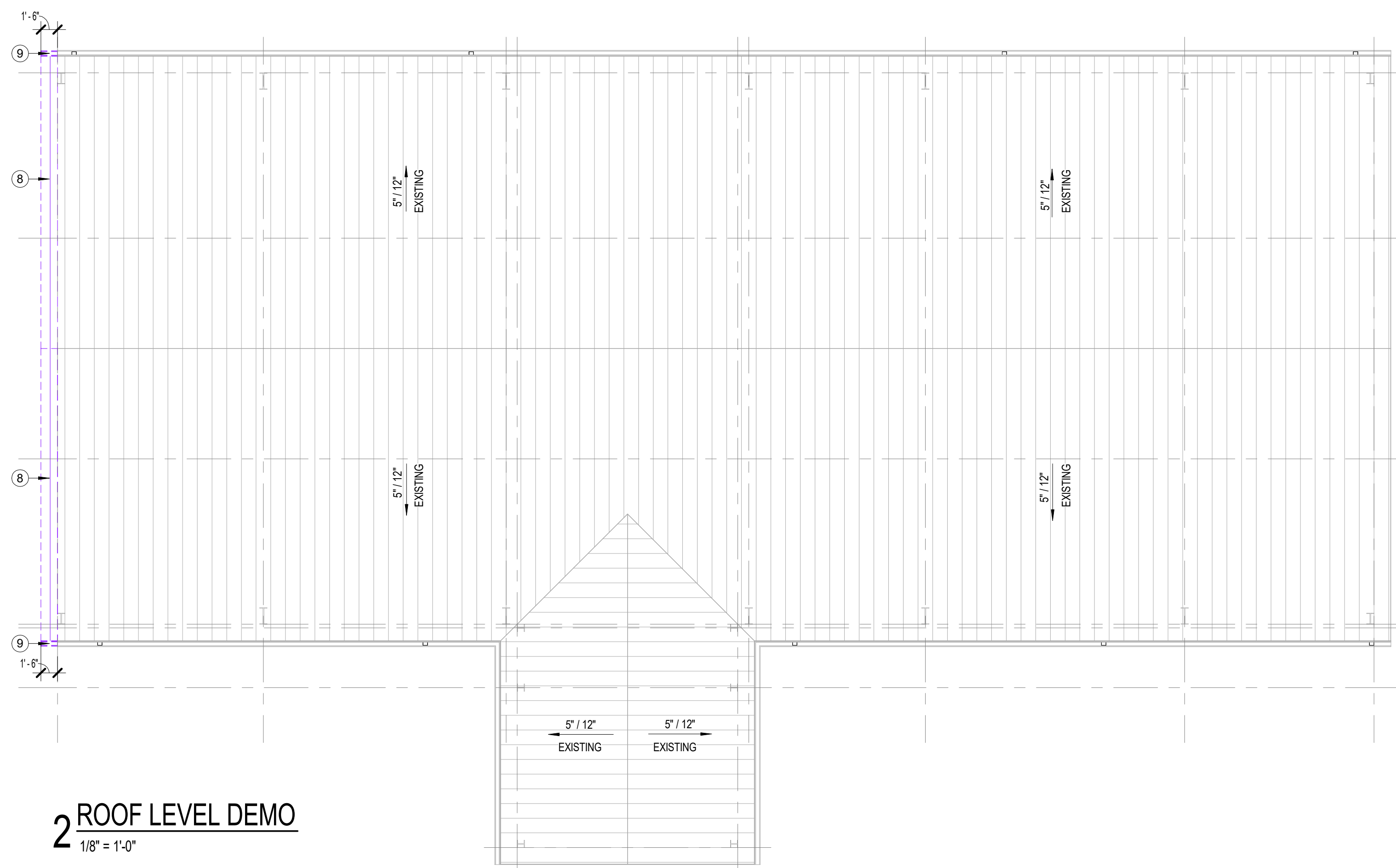
**DEMO PLANS AND
 ELEVATIONS**

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
 CHKD BY: Checker

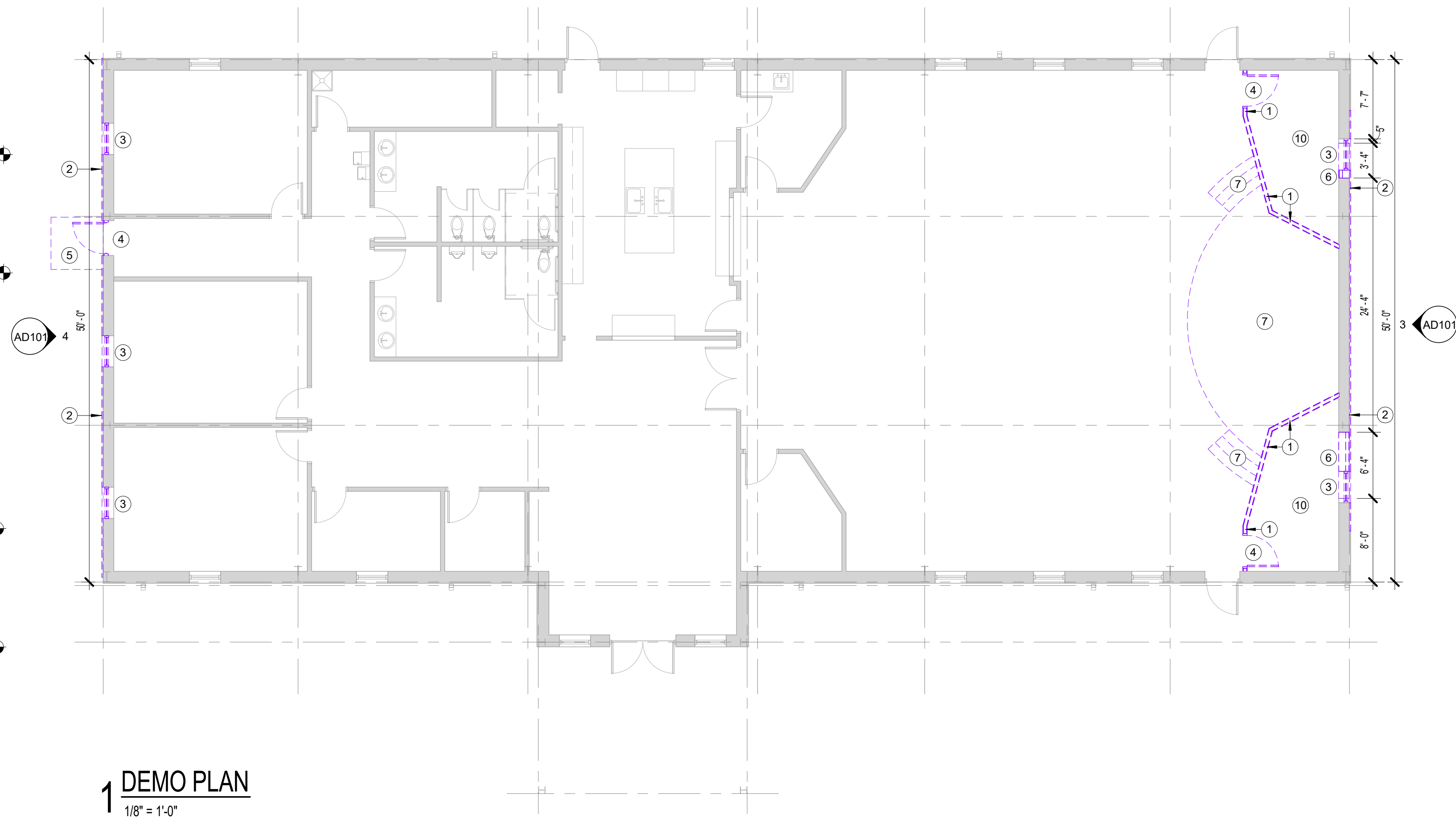
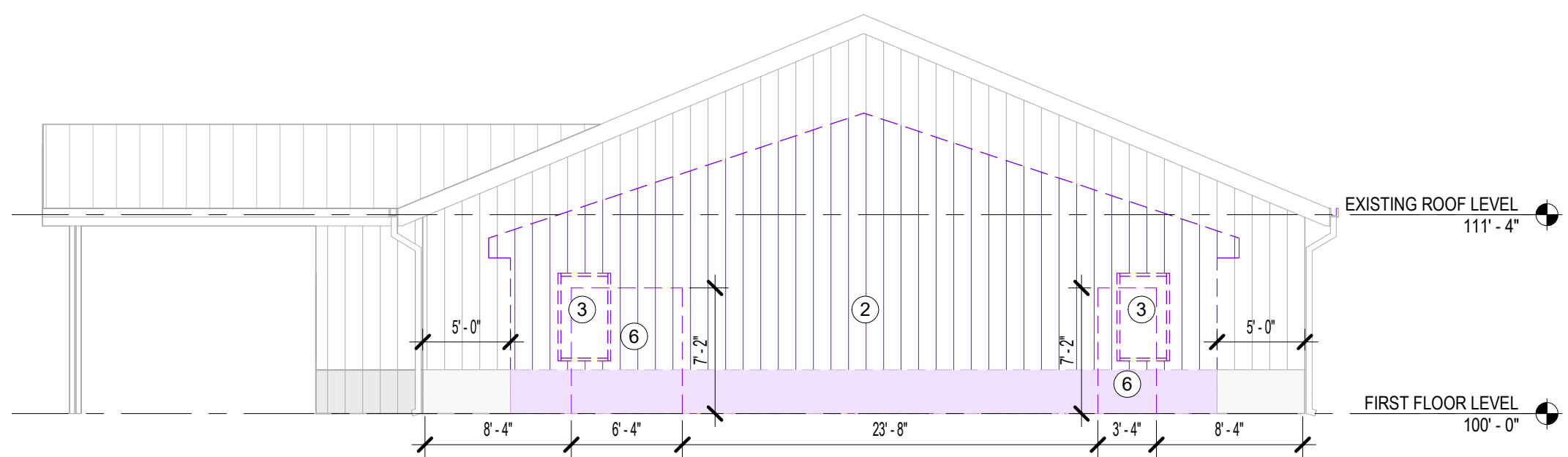
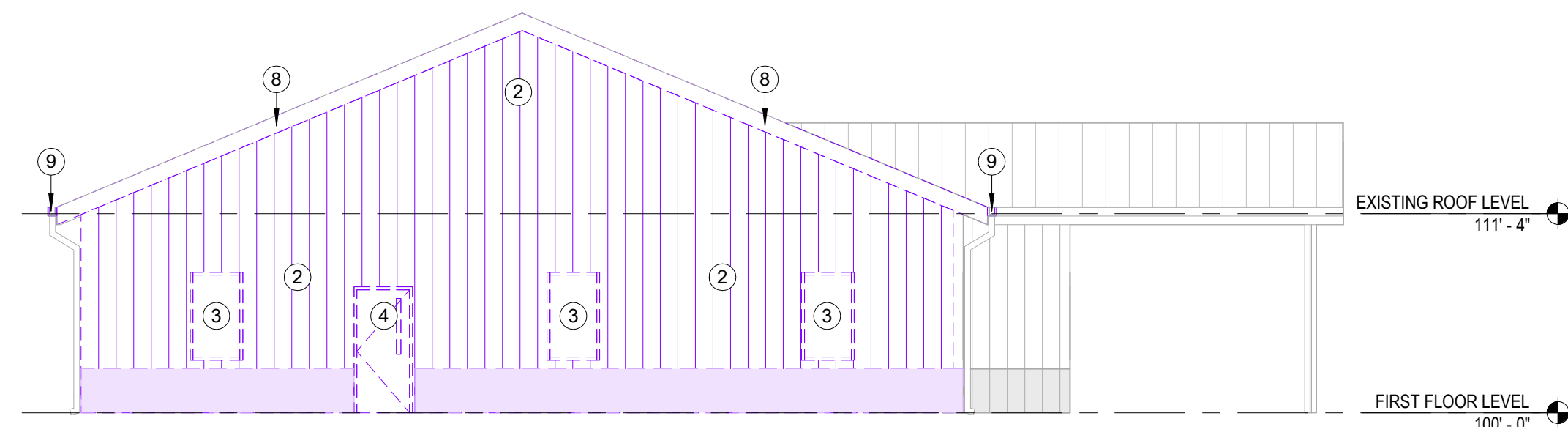
AD101

SCALE 1/8" = 1'-0"

10.09.2023



FLOOR PLAN DEMOLITION NOTES	
MARK	NOTE
1	DEMO EXISTING WALL
2	DEMO EXISTING METAL WALL PANEL
3	DEMO EXISTING WINDOW AND FRAME
4	DEMO EXISTING DOOR AND FRAME
5	DEMO EXISTING CONCRETE LANDING
6	DEMO EXISTING EXTERIOR WALL
7	DEMO EXISTING PLATFORM AND STAIRS
8	DEMO EXISTING ROOF OVERHANG AND SOFFIT
9	DEMO EXISTING GUTTER
10	DEMO EXISTING CEILING



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04.24.2023	REVISION 1
07.14.2023	REVISION 2
09.01.2023	REVISION 3

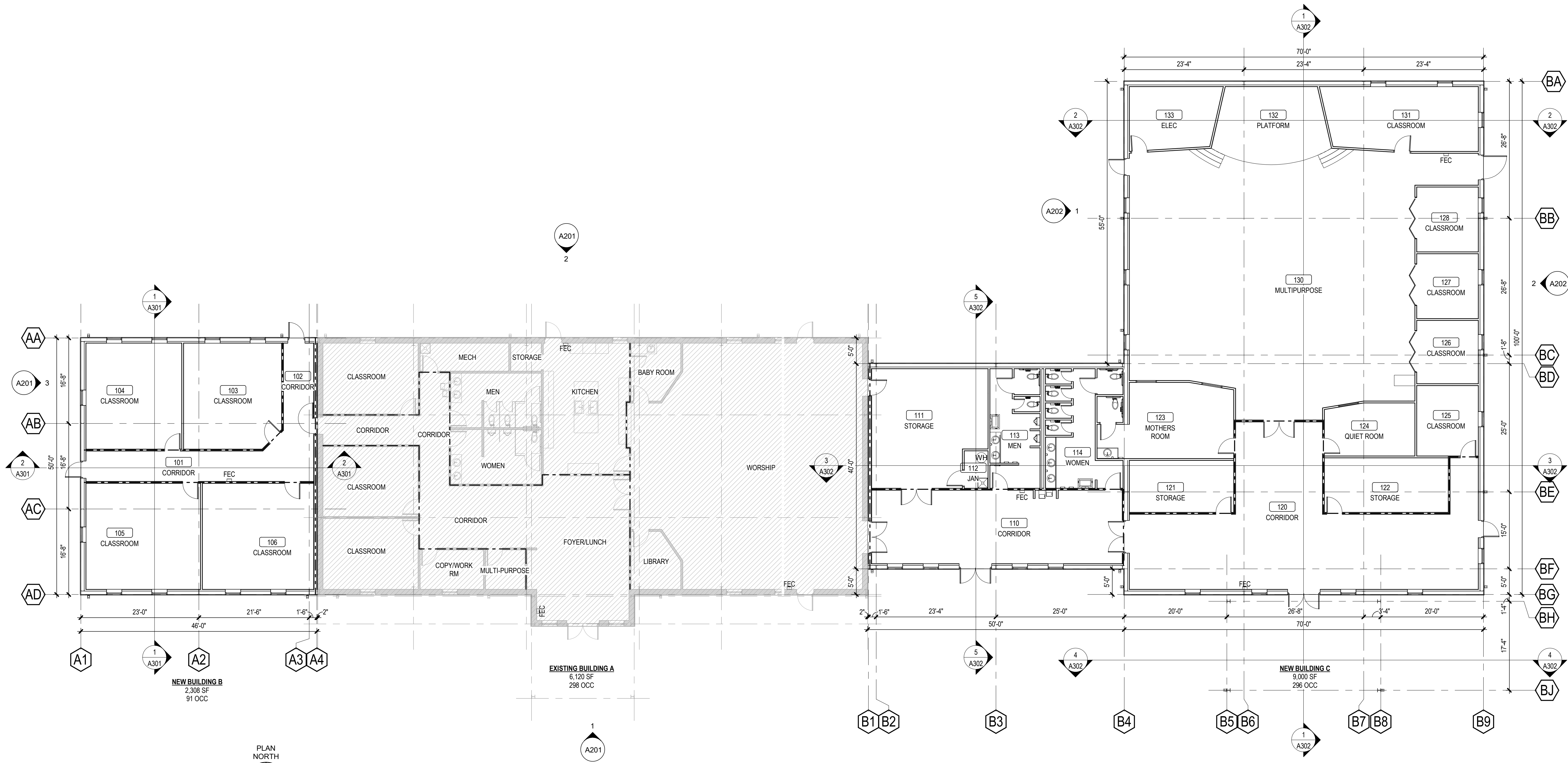
OVERALL FLOOR PLAN

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
 CHKD BY: Checker

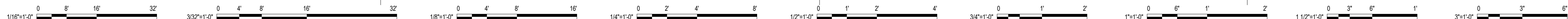
A101

SCALE 3/32" = 1'-0"

10.09.2023



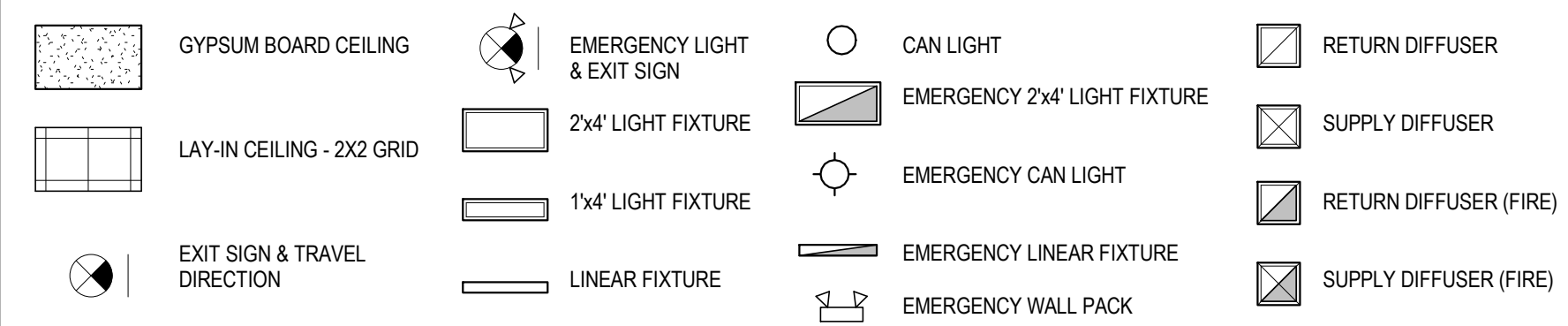
1 OVERALL FLOOR PLAN
 3/32" = 1'-0"



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CEILING LEGEND



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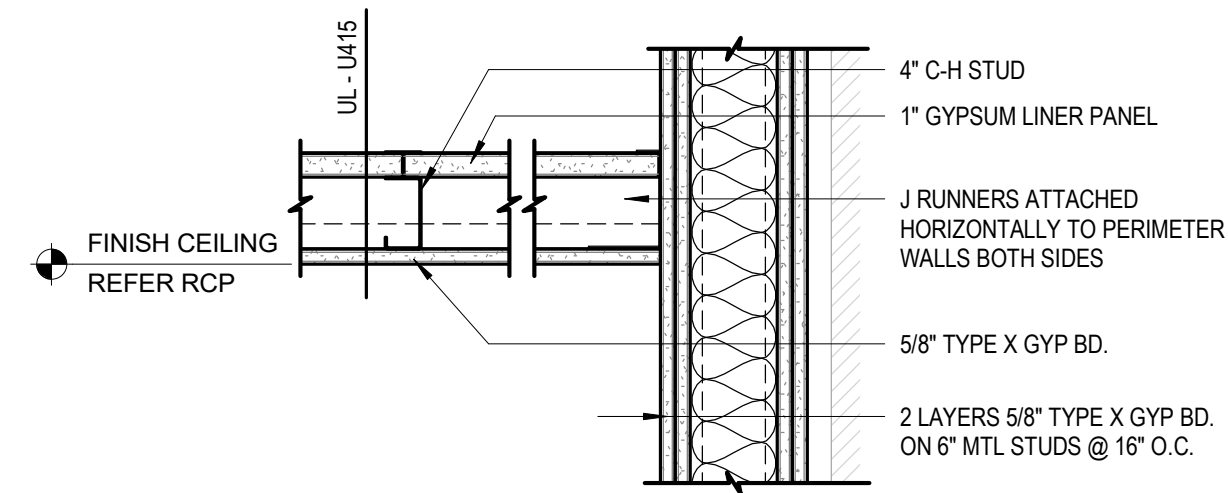
**ENLARGED FLOOR PLAN,
 REFLECTED CEILING PLAN &
 ROOF PLAN - BUILDING B**

JOB 2022.28
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 DRAWN BY: Author
 CHKD BY: Checker

A102

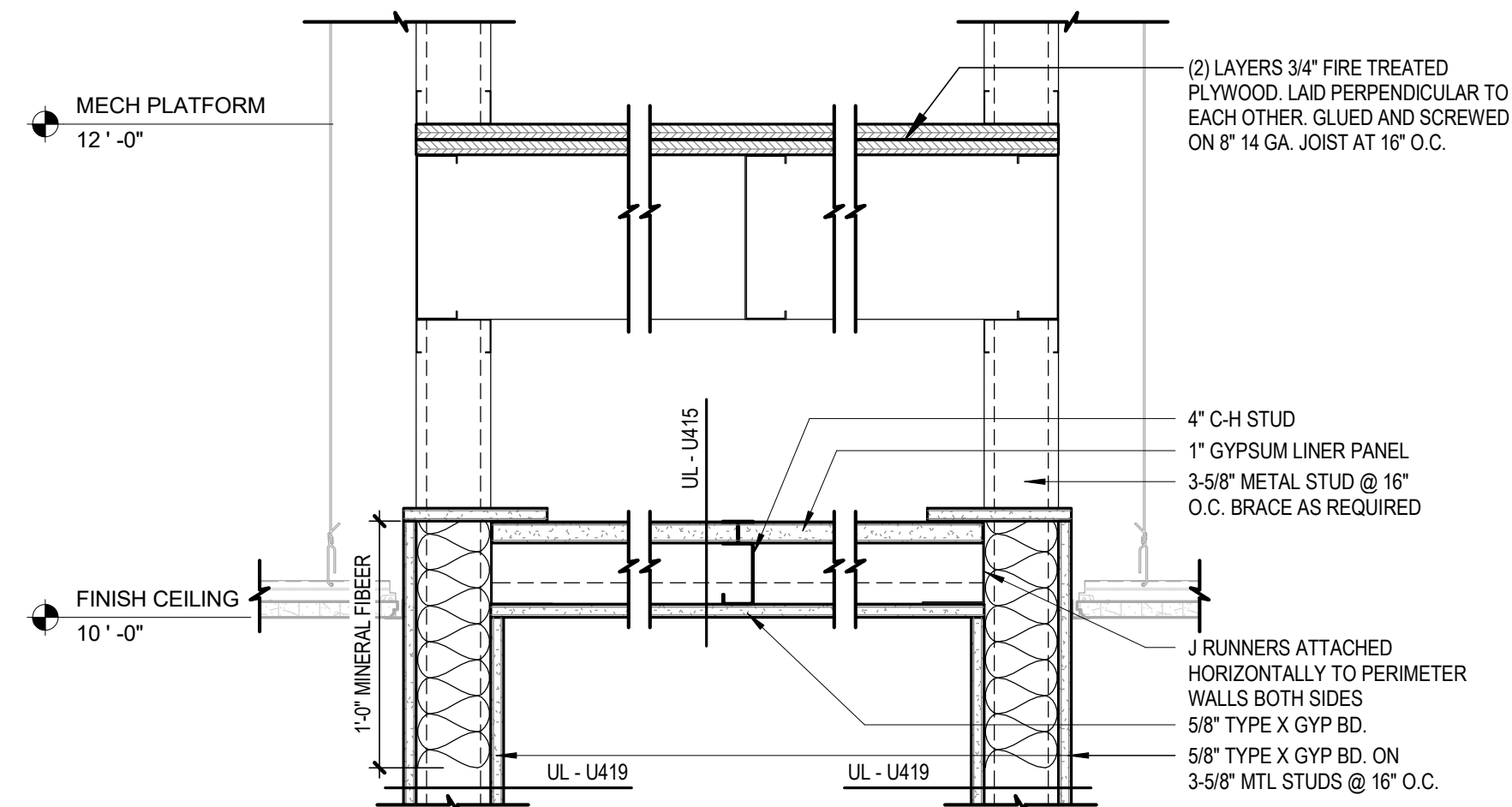
SCALE As indicated

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7 CEILING DETAIL AT 1 HOUR CORRIDOR

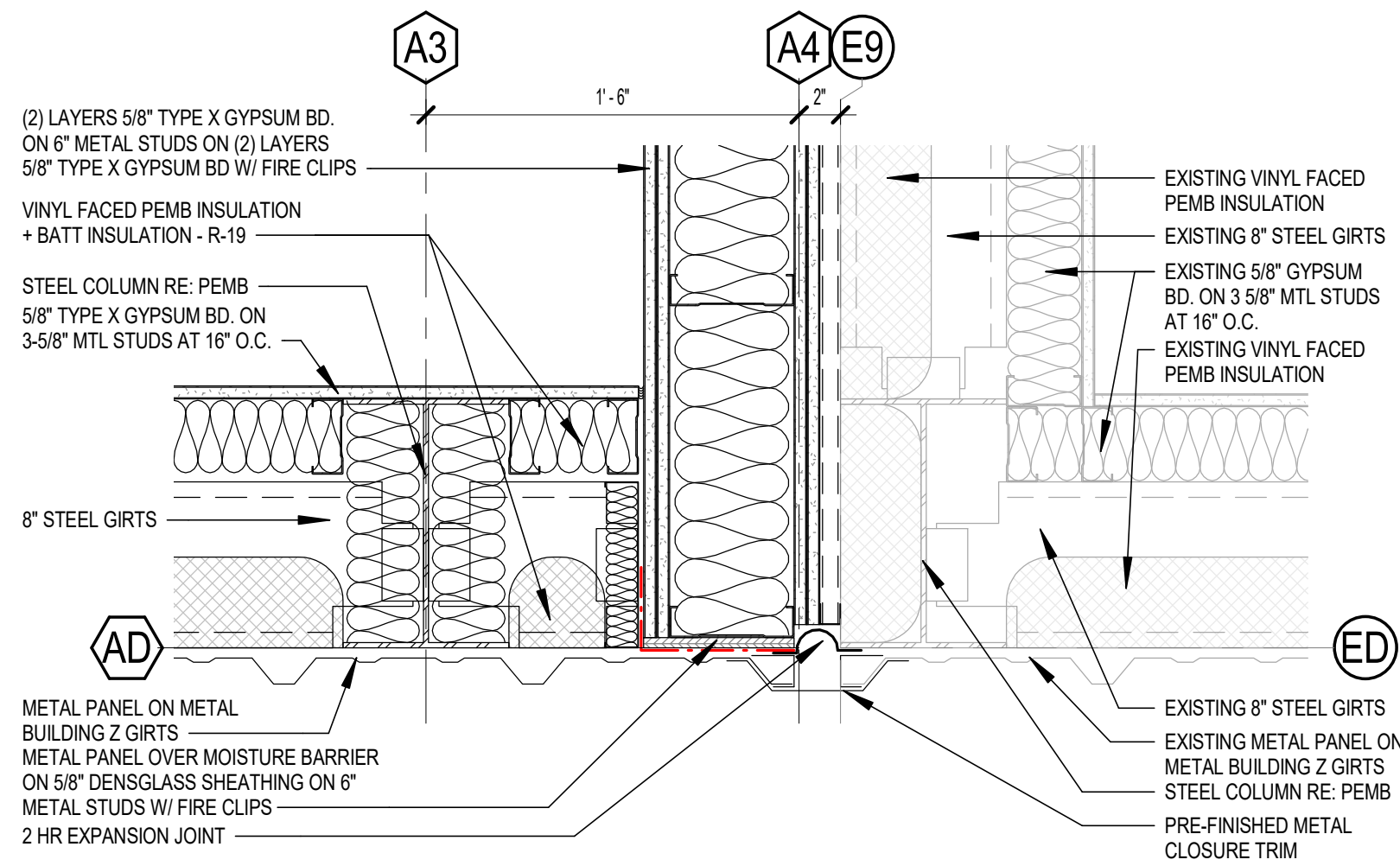
1 1/2" = 1'-0"



6 CEILING DETAIL AT 1 HOUR CORRIDOR

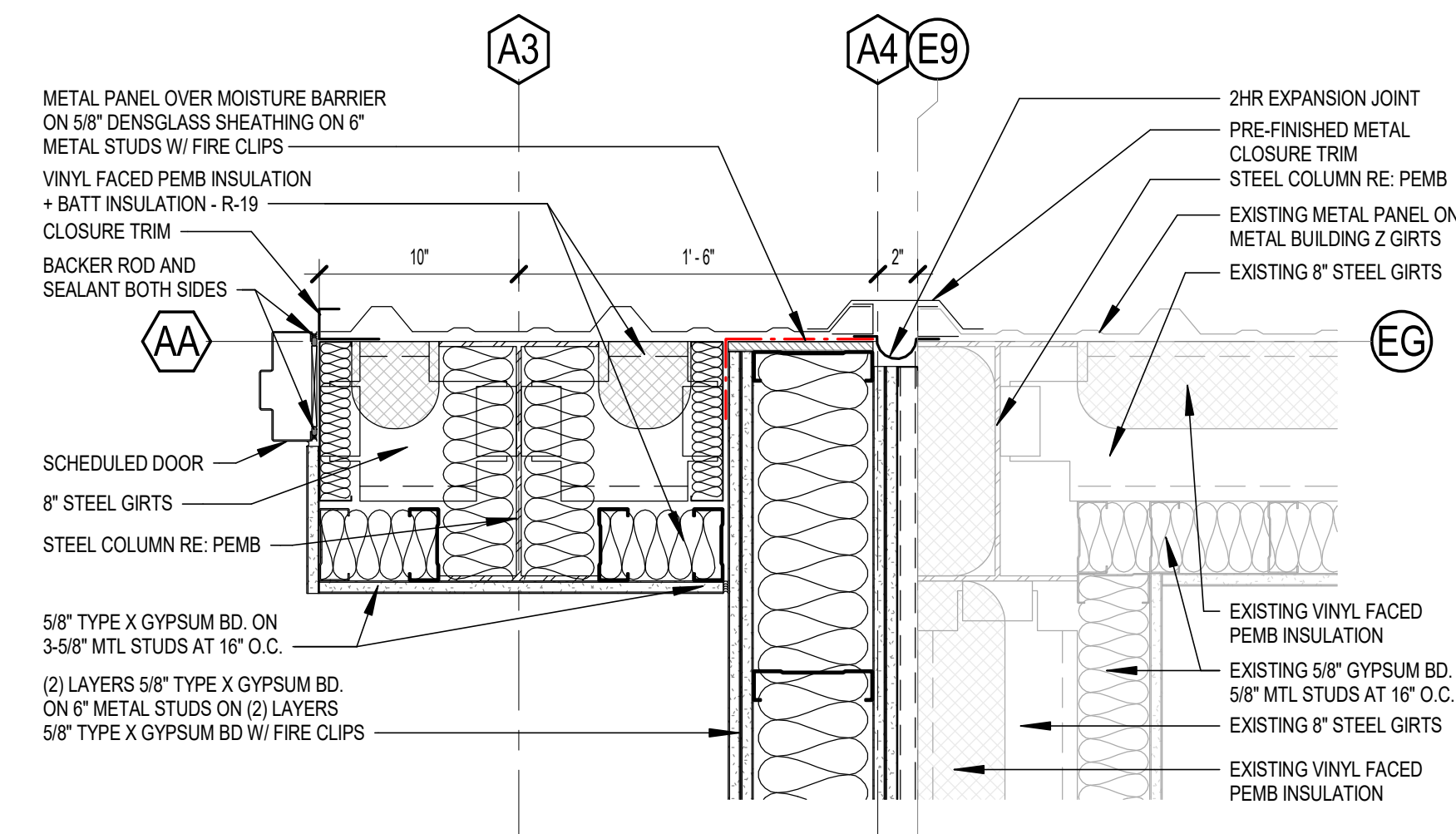
1 1/2" = 1'-0"

HVAC NOTE:
 NO PENETRATION OF SEPARATE BUILDINGS
 BY ANY DUCTWORK. HVAC SYSTEMS ARE
 SEPARATE FOR EACH BUILDING. DUCTWORK
 IS FIRE DAMPENED WHERE NOTED ON PLANS.



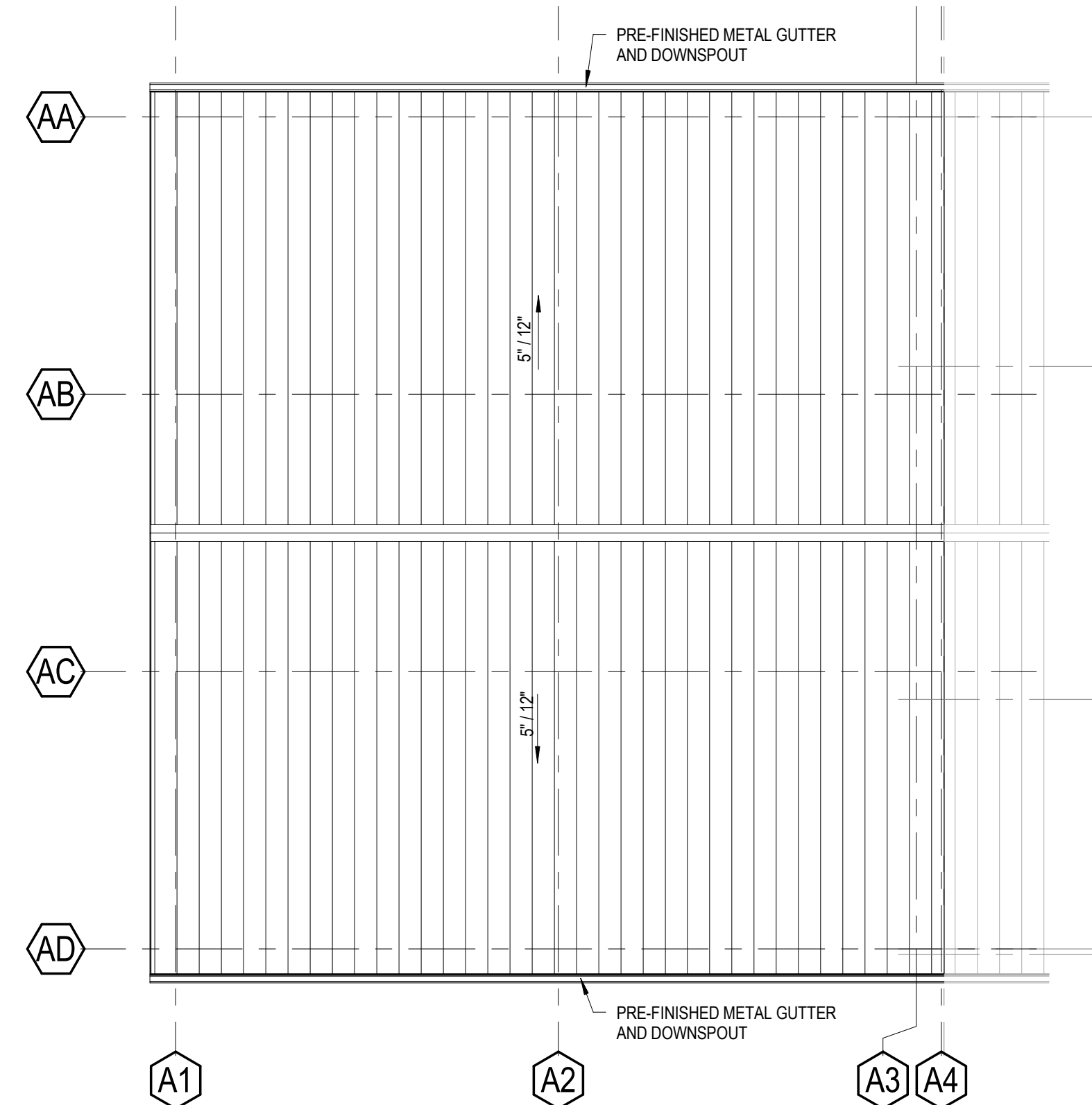
4 PLAN DETAIL

1 1/2" = 1'-0"



3 PLAN DETAIL

1 1/2" = 1'-0"

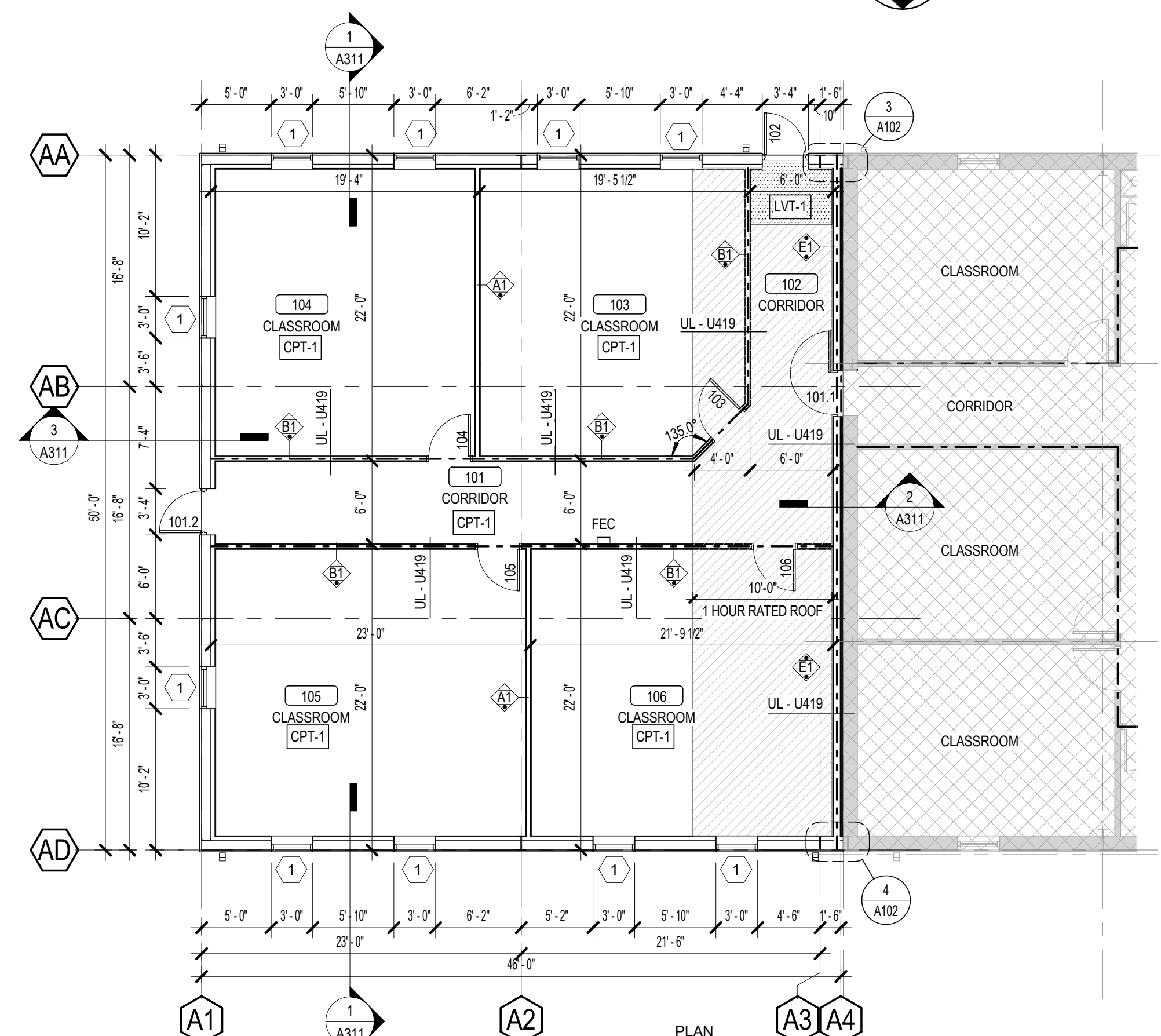


2 ROOF PLAN - BUILDING B

1/8" = 1'-0"

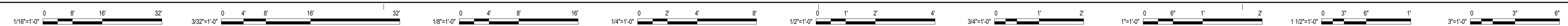
5 REFLECTED CEILING PLAN - BUILDING B

1/8" = 1'-0"



1 FLOOR PLAN - BUILDING B

1/8" = 1'-0"



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 07.14.2023 REVISION 2
 09.01.2023 REVISION 3

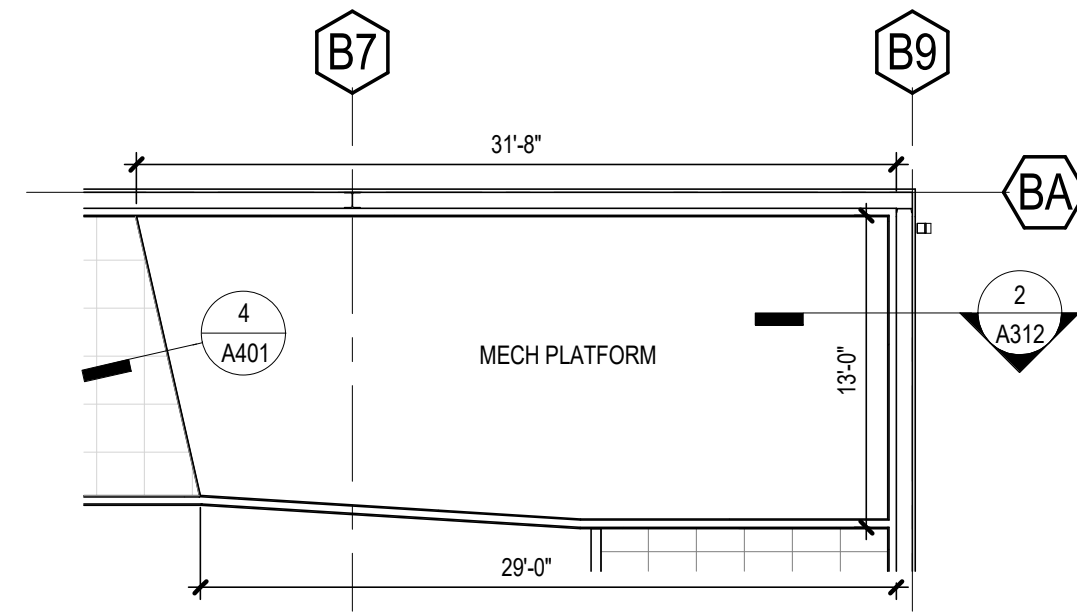
**ENLARGED FLOOR PLANS
 AND DETAILS - BUILDING C**

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: BG
 CHKD BY: SE

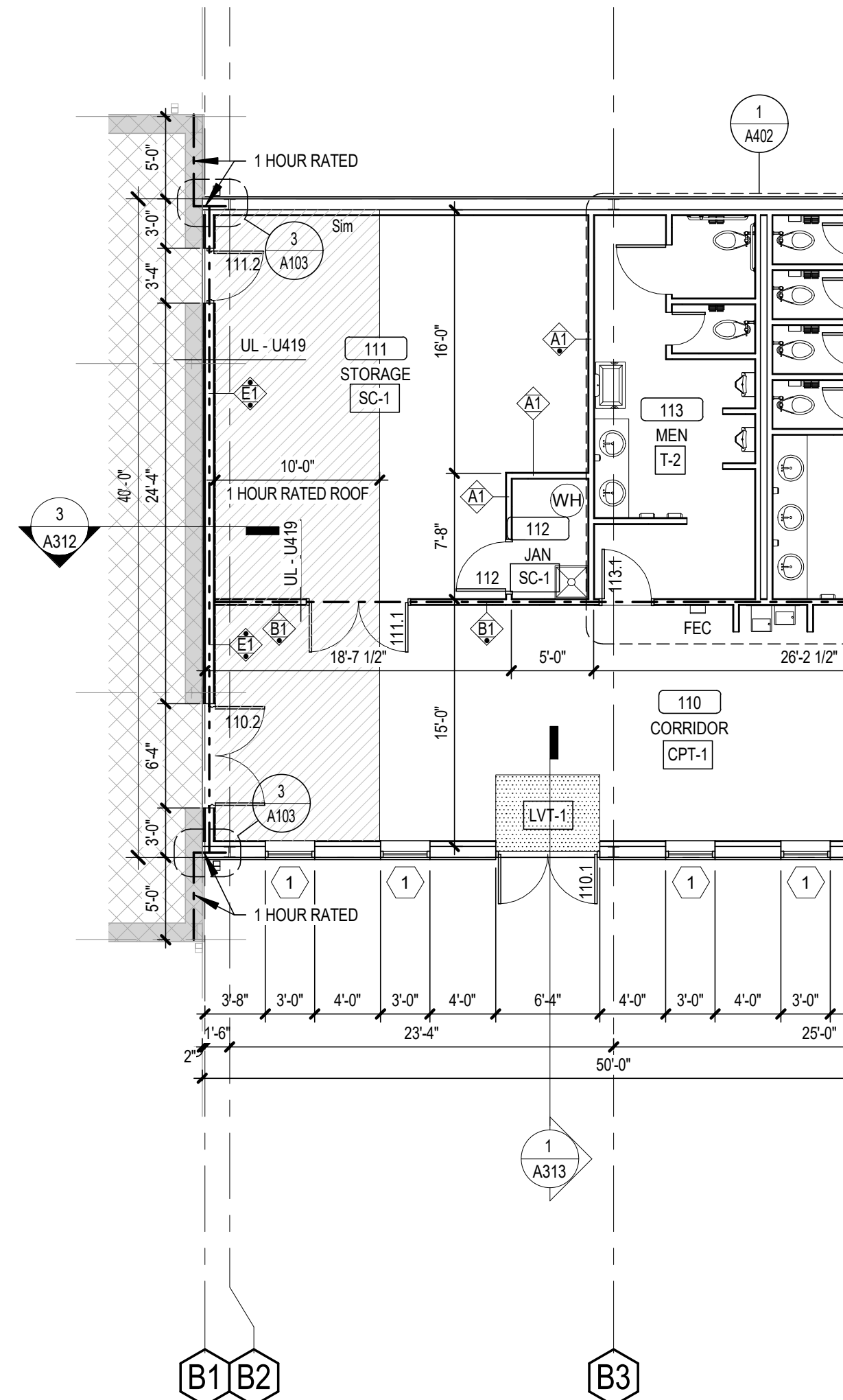
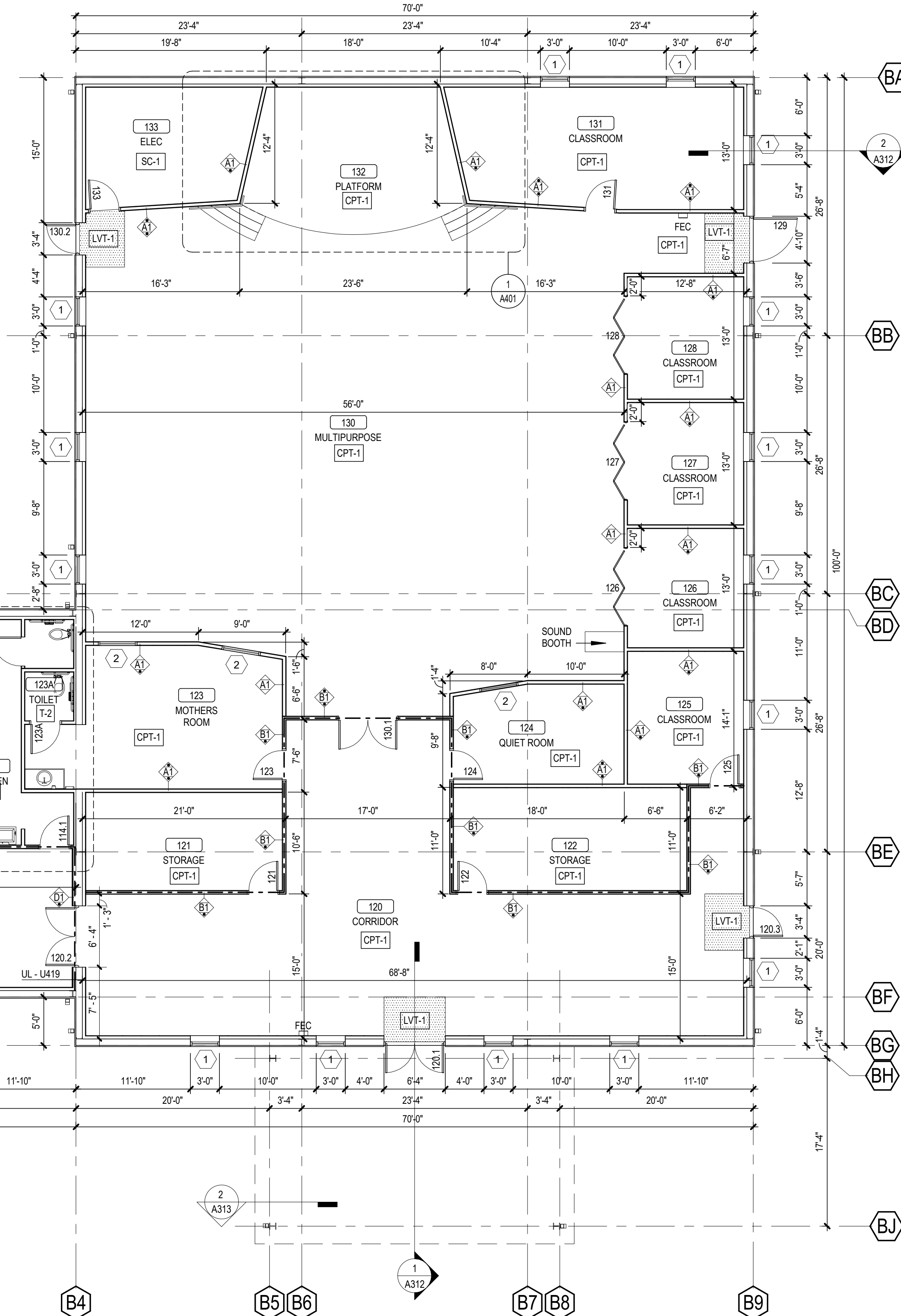
A103

SCALE As indicated

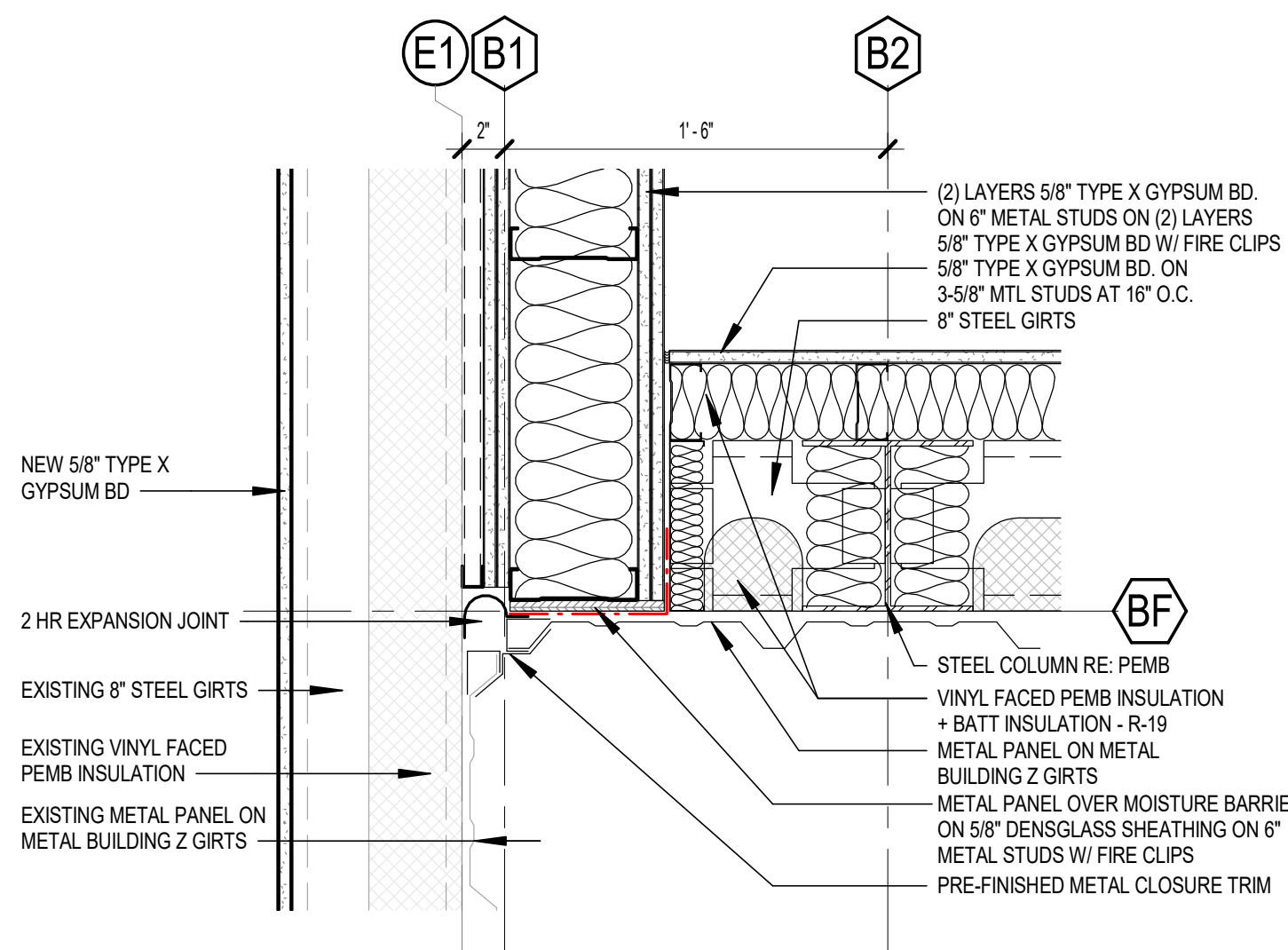
10.09.2023



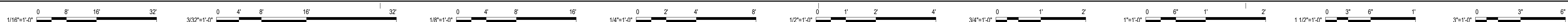
2 MECHANICAL PLATFORM
 1/8" = 1'-0"
 PLAN NORTH



1 FLOOR PLAN - BUILDING C
 1/8" = 1'-0"
 PLAN NORTH



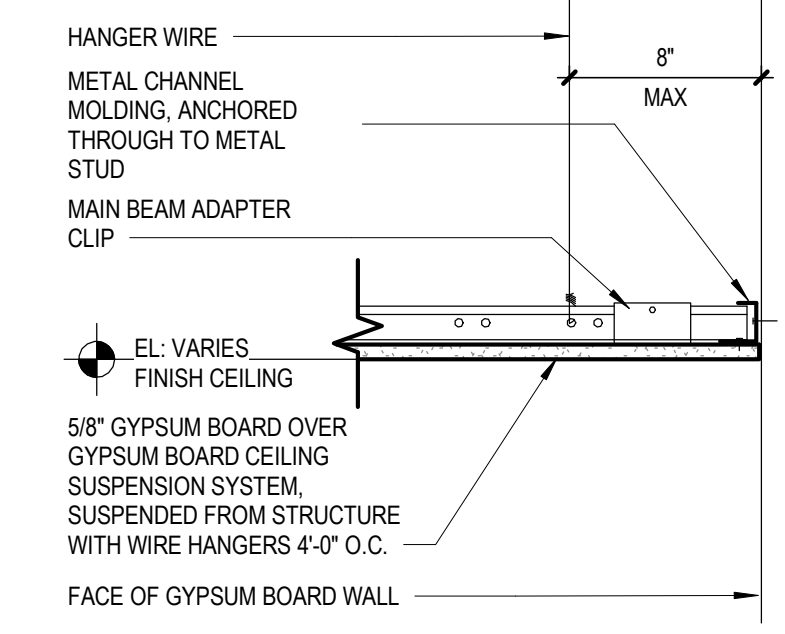
3 PLAN DETAIL
 1 1/2" = 1'-0"



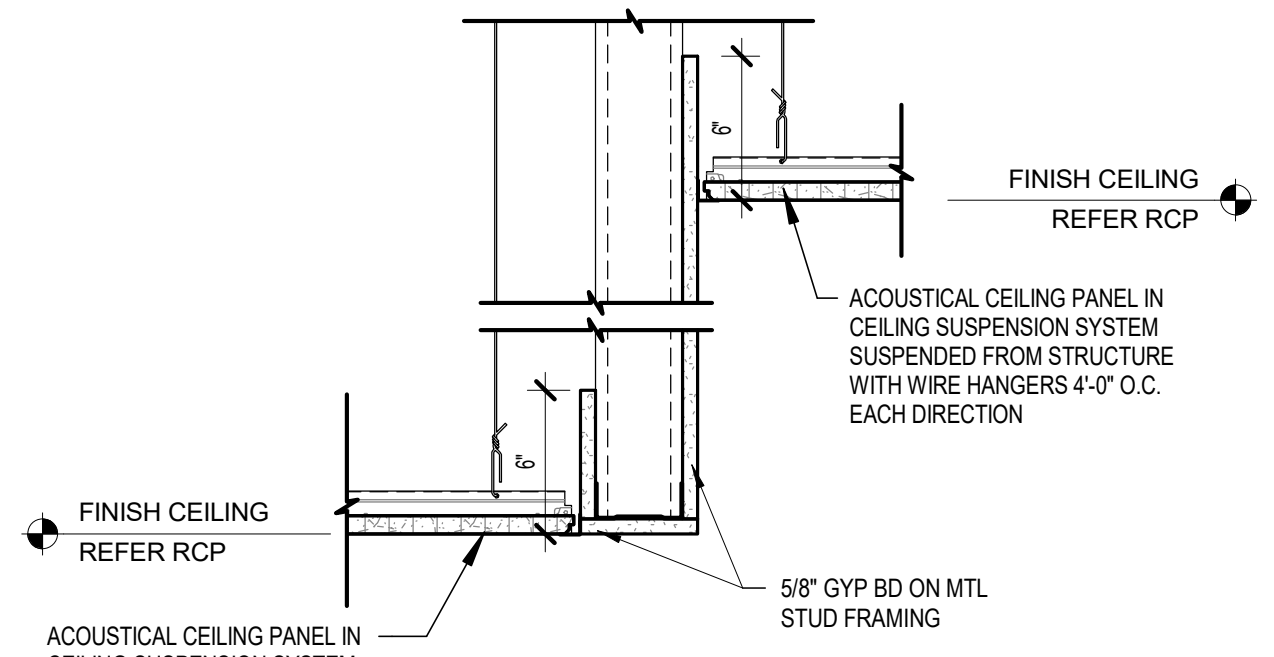
10/19/2023 9:00:46 AM

CEILING LEGEND

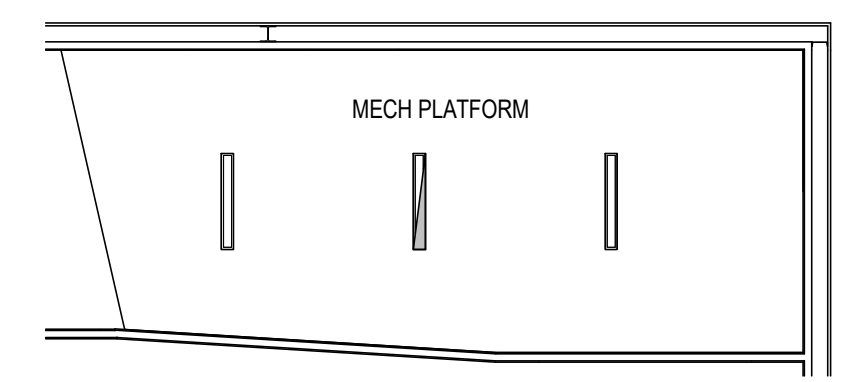
	GYP SUM BOARD CEILING		EMERGENCY LIGHT & EXIT SIGN		CAN LIGHT		RETURN DIFFUSER
	LAY-IN CEILING - 2X2 GRID		2X4 LIGHT FIXTURE		EMERGENCY 2X4 LIGHT FIXTURE		SUPPLY DIFFUSER
	EXIT SIGN & TRAVEL DIRECTION		1X4 LIGHT FIXTURE		EMERGENCY CAN LIGHT		RETURN DIFFUSER (FIRE)
			LINEAR FIXTURE		EMERGENCY LINEAR FIXTURE		SUPPLY DIFFUSER (FIRE)
			EMERGENCY WALL PACK				



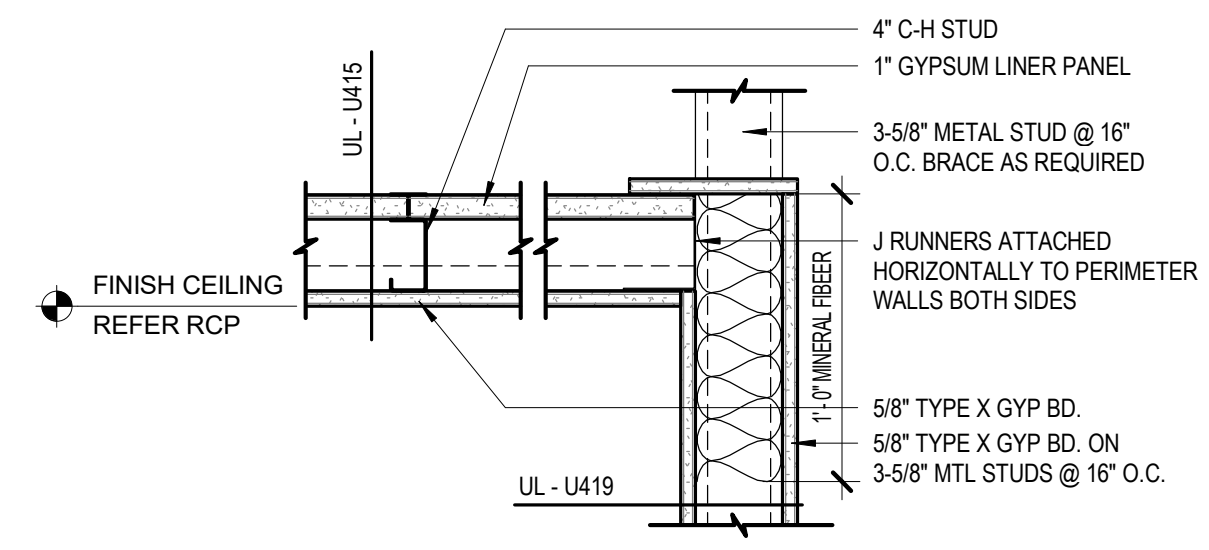
3 CEILING DETAIL AT GYP BD
 1 1/2" = 1'-0"



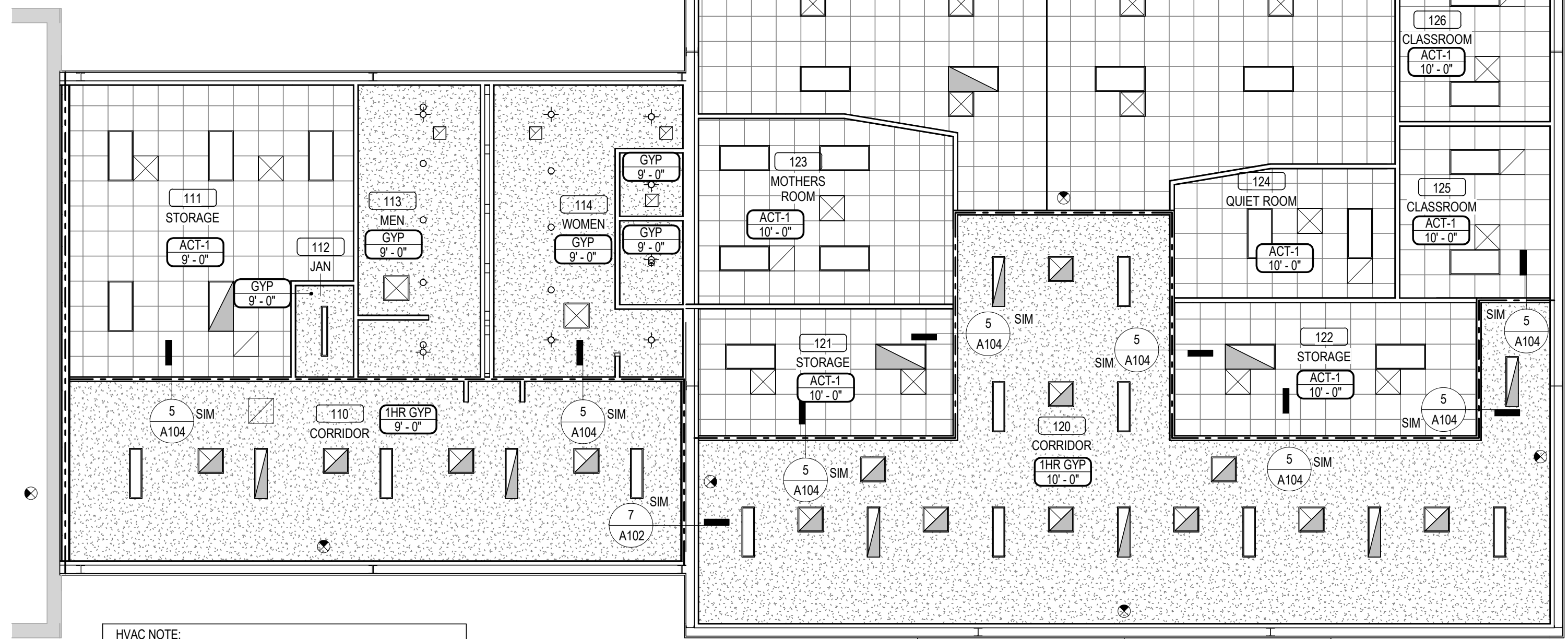
2 CEILING DETAIL AT SOFFIT
 1 1/2" = 1'-0"



4 REFLECTED CEILING PLAN (MECH PLATFORM)
 1/8" = 1'-0"



5 CEILING DETAIL AT 1 HOUR CORRIDOR
 1 1/2" = 1'-0"



HVAC NOTE:
 NO PENETRATION OF SEPARATE BUILDINGS BY ANY DUCTWORK.
 HVAC SYSTEMS ARE SEPARATE FOR EACH BUILDING.
 DUCTWORK IS FIRE DAMPENED WHERE NOTED ON PLANS.

1 REFLECTED CEILING PLAN - BUILDING C
 1/8" = 1'-0"



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CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

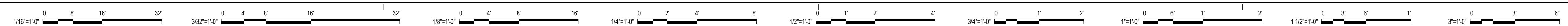
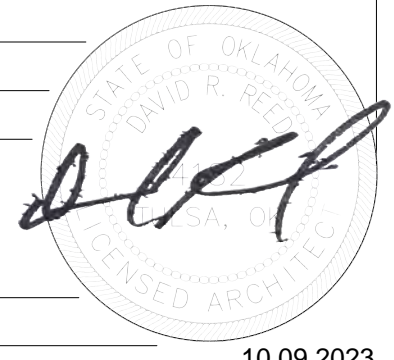
04.24.2023	REVISION 1
07.14.2023	REVISION 2
09.01.2023	REVISION 3

**ENLARGED REFLECTED
 CEILING PLANS AND DETAILS
 - BUILDING C**

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A104

SCALE As indicated



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**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

09.01.2023 REVISION 3

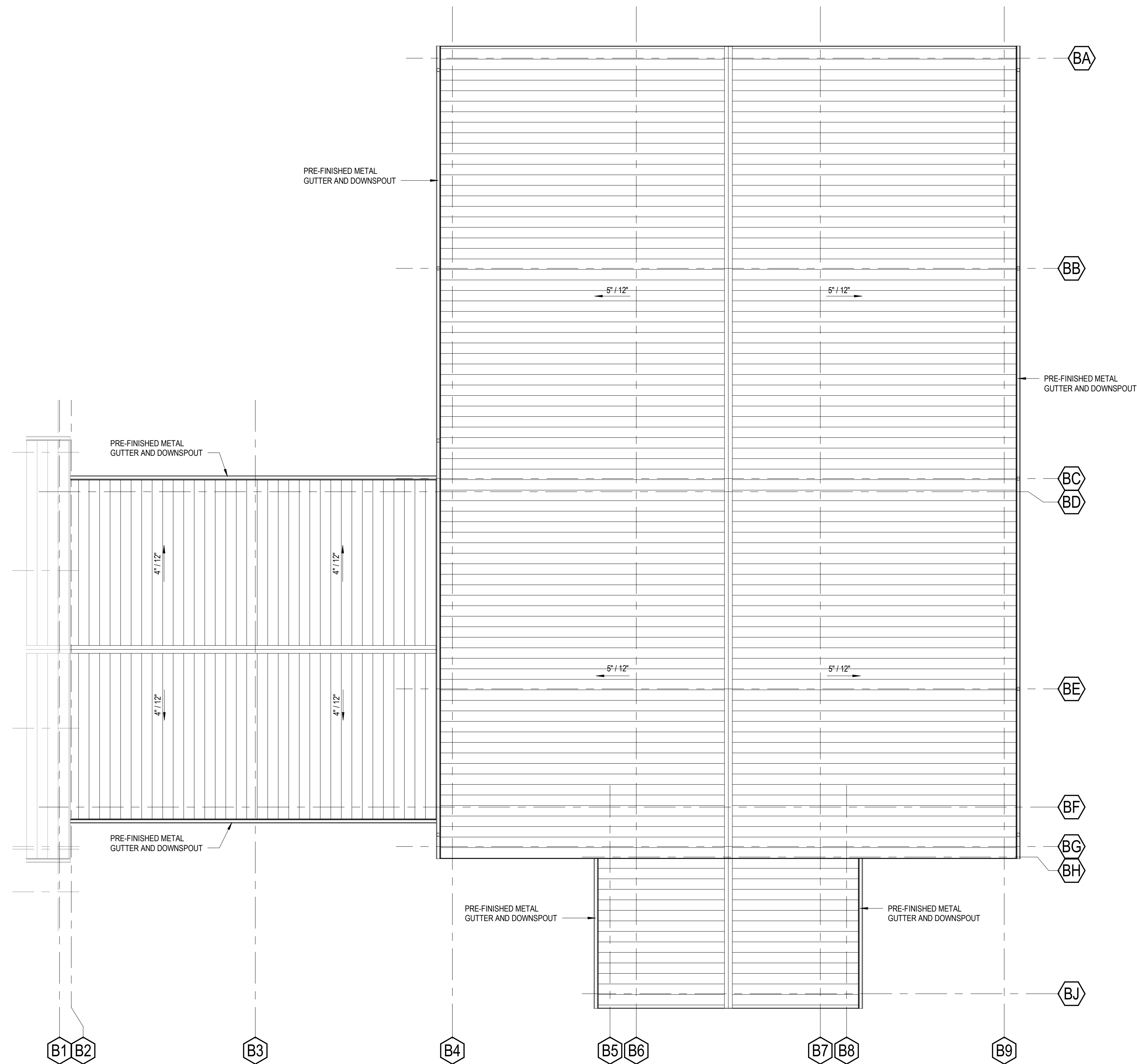
ROOF PLAN - BUILDING C

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
 CHKD BY: Checker

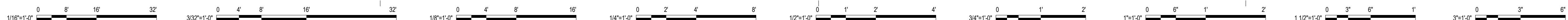
A105

SCALE 1/8" = 1'-0"

10.09.2023



1 ROOF PLAN - BUILDING C
 1/8" = 1'-0"



10/19/2023 9:00:49 AM

EXTERIOR FINISH SCHEDULE

MARK	DESCRIPTION	COMMENT
DS1	PRE-FINISHED METAL DOWNSPOUT, COLOR - MATCH EXISTING	
EPT1	EXTERIOR STEEL, SHERWIN WILLIAMS - MATCH EXISTING	
GU1	PRE-FINISHED METAL GUTTER, COLOR - MATCH EXISTING	
MP1	PRE-FINISHED METAL PANEL, COLOR - MATCH EXISTING	
MP2	PRE-FINISHED METAL PANEL, COLOR - MATCH EXISTING	
RP1	PRE-FINISHED METAL ROOF PANEL, COLOR - MATCH EXISTING	
TR1	PRE-FINISHED METAL ROOF TRIM, COLOR - MATCH EXISTING	

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**PRYOR CREEK
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1919 W. 470
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REVISIONS
 09.01.2023 REVISION 3

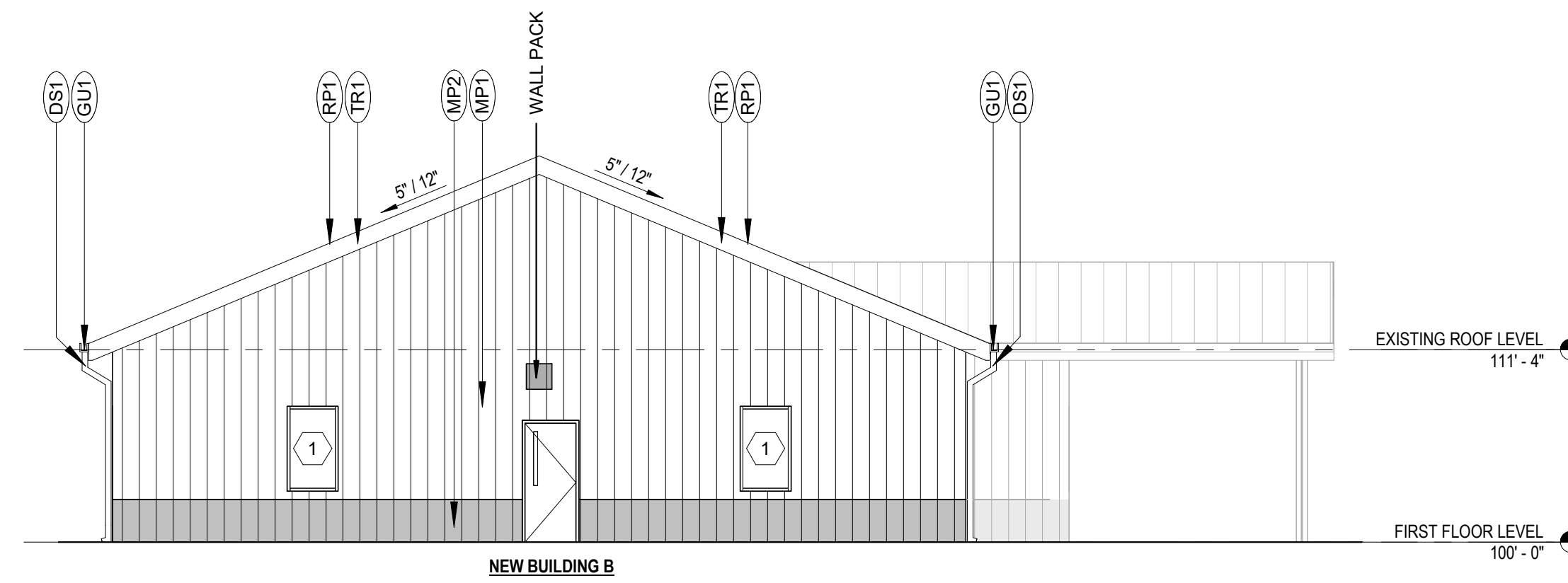
BUILDING ELEVATIONS

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
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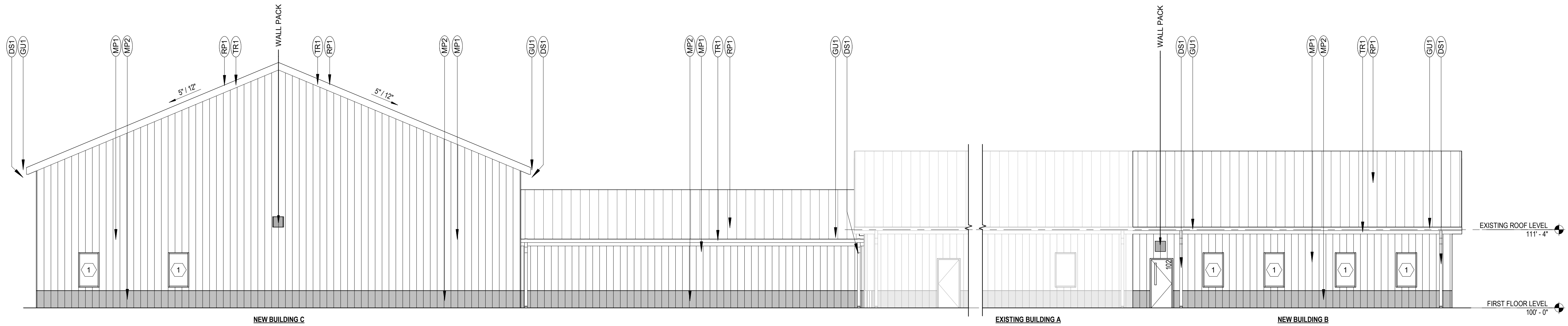
A201

SCALE 1/8" = 1'-0"

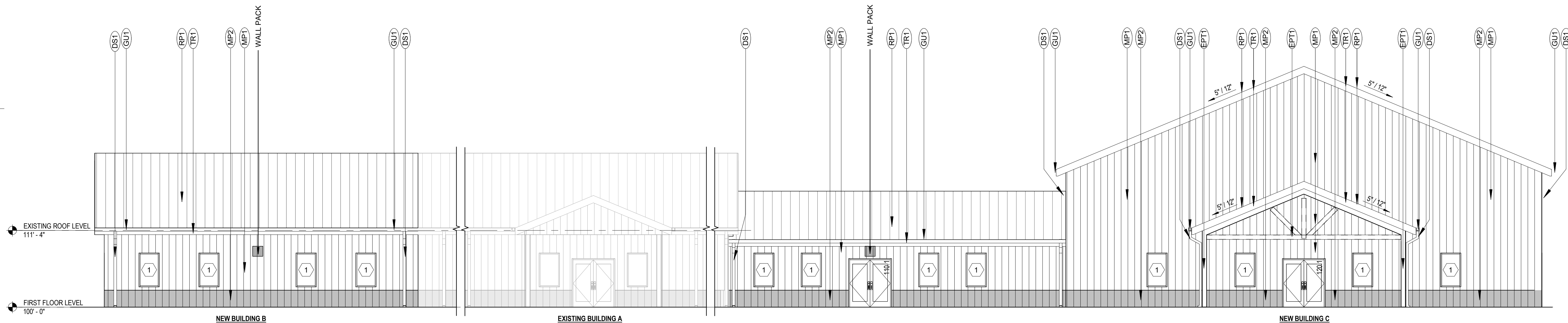
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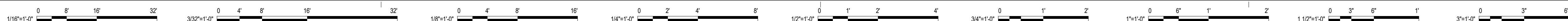
3 BUILDING ELEVATION
 1/8" = 1'-0"



2 BUILDING ELEVATION
 1/8" = 1'-0"



1 BUILDING ELEVATION
 1/8" = 1'-0"



10/19/2023 9:00:52 AM

EXTERIOR FINISH SCHEDULE

MARK	DESCRIPTION	COMMENT
DS1	PRE-FINISHED METAL DOWNSPOUT, COLOR - MATCH EXISTING	
EP11	EXTERIOR STEEL, SHERWIN WILLIAMS - MATCH EXISTING	
GU1	PRE-FINISHED METAL GUTTER, COLOR - MATCH EXISTING	
MP1	PRE-FINISHED METAL PANEL, COLOR - MATCH EXISTING	
MP2	PRE-FINISHED METAL PANEL, COLOR - MATCH EXISTING	
RP1	PRE-FINISHED METAL ROOF PANEL, COLOR - MATCH EXISTING	
TR1	PRE-FINISHED METAL ROOF TRIM, COLOR - MATCH EXISTING	



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PRYOR CREEK Mennonite CHURCH

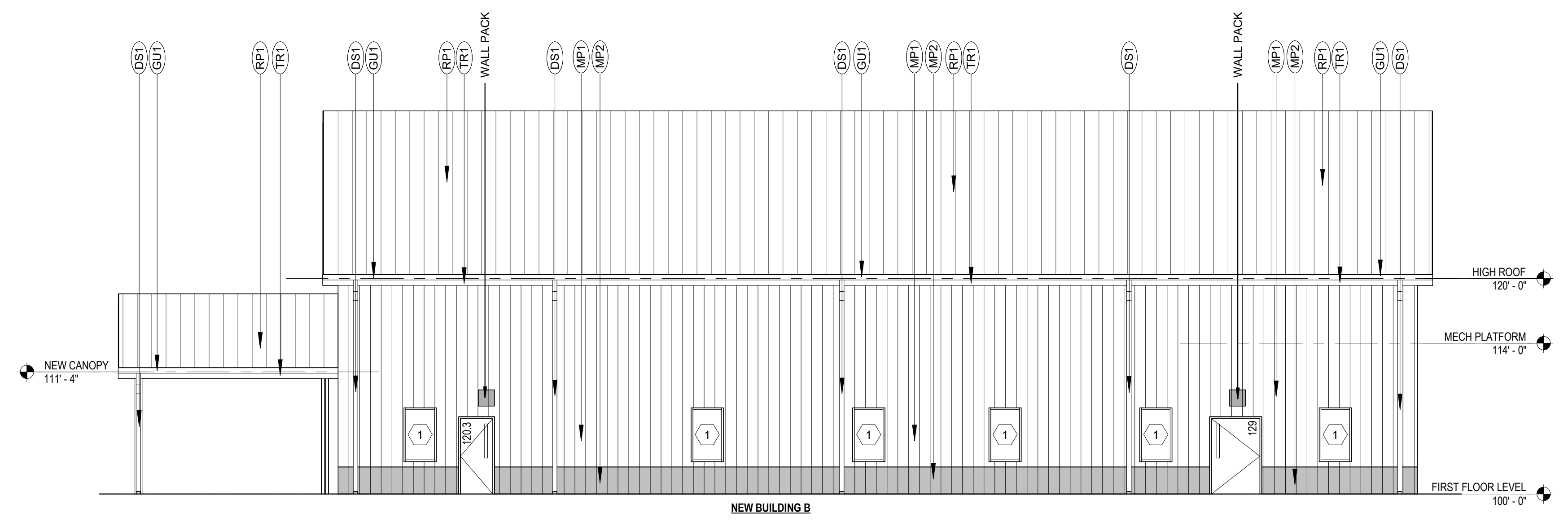
1919 W. 470
PRYOR, OK 74361

REVISIONS
09.01.2023 REVISION 3

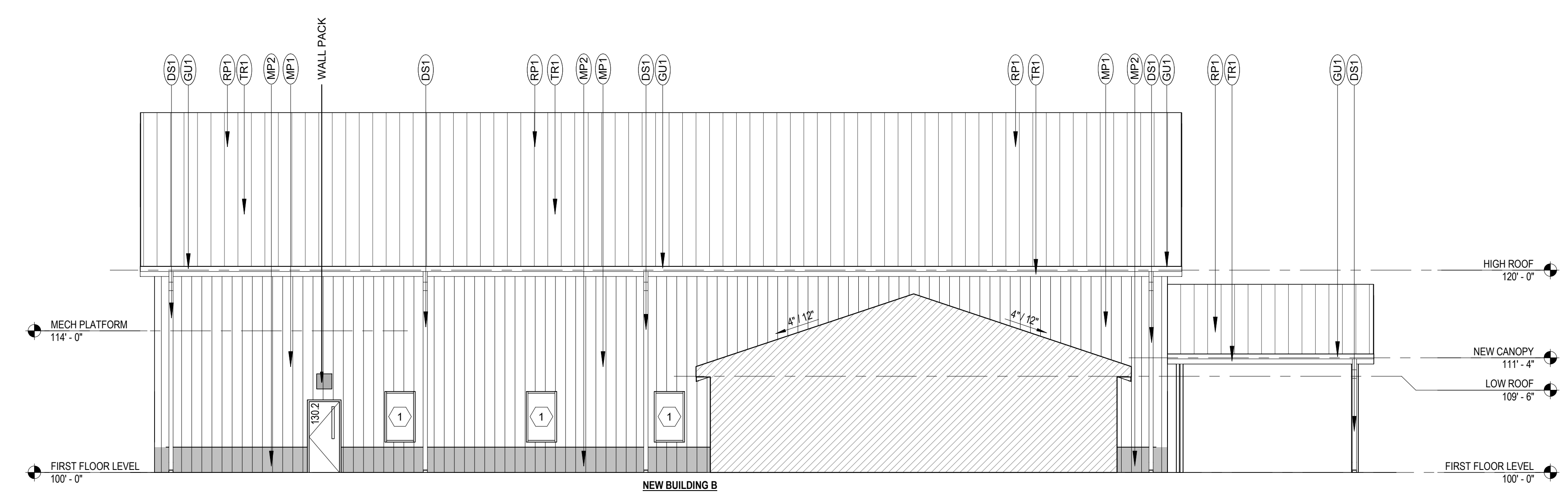
BUILDING ELEVATIONS

JOB 2022.28
ISSUE 10.09.2023
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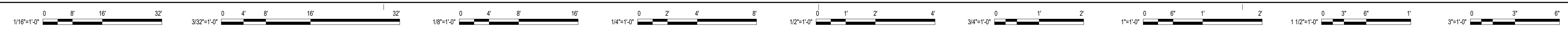
A202
SCALE 1/8" = 1'-0"
10.09.2023



2 BUILDING ELEVATION
1/8" = 1'-0"



1 BUILDING ELEVATION
1/8" = 1'-0"



10/19/2023 9:00:54 AM

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 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

BUILDING SECTIONS

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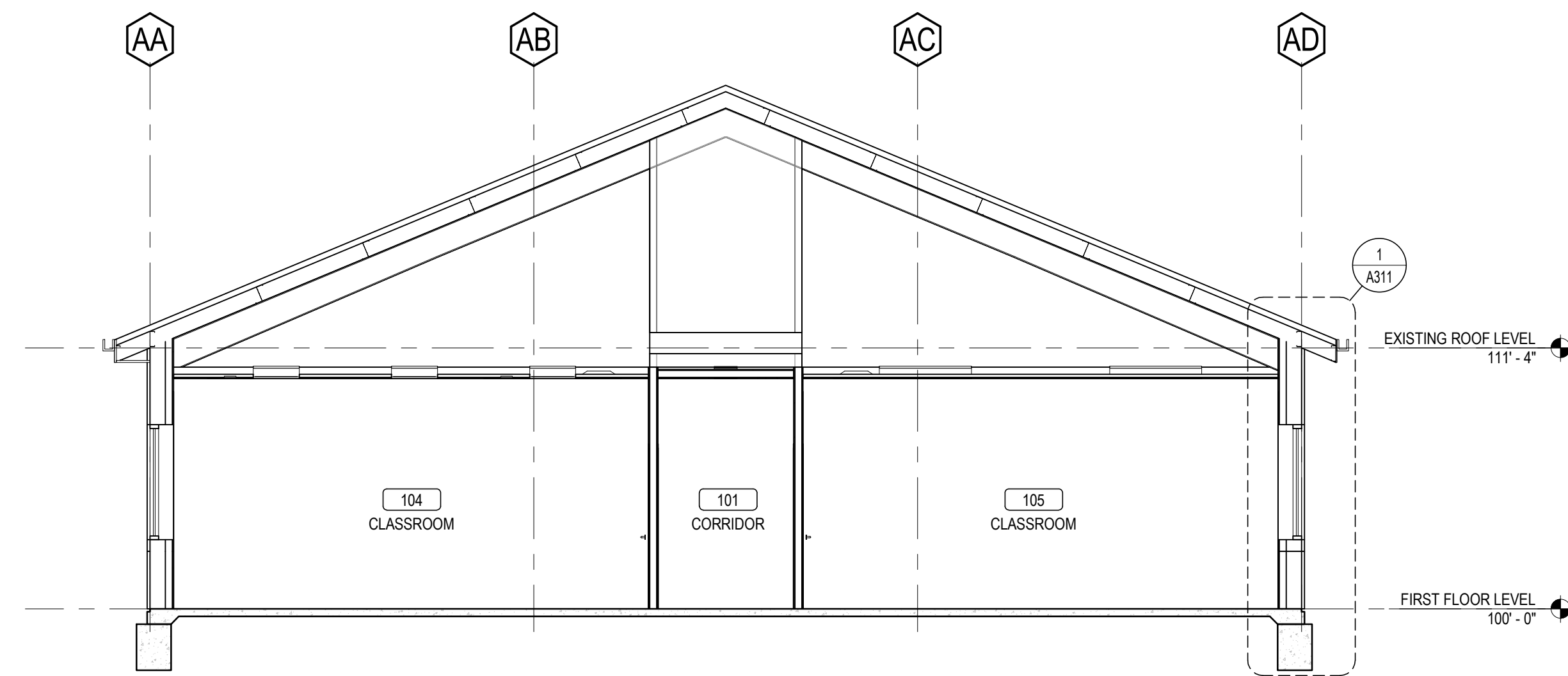
A301

SCALE 3/16" = 1'-0"

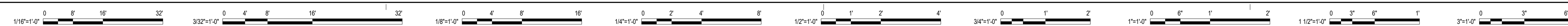
10.09.2023



2 BUILDING SECTION
 3/16" = 1'-0"



1 BUILDING SECTION
 3/16" = 1'-0"



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**PRYOR CREEK
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REVISIONS

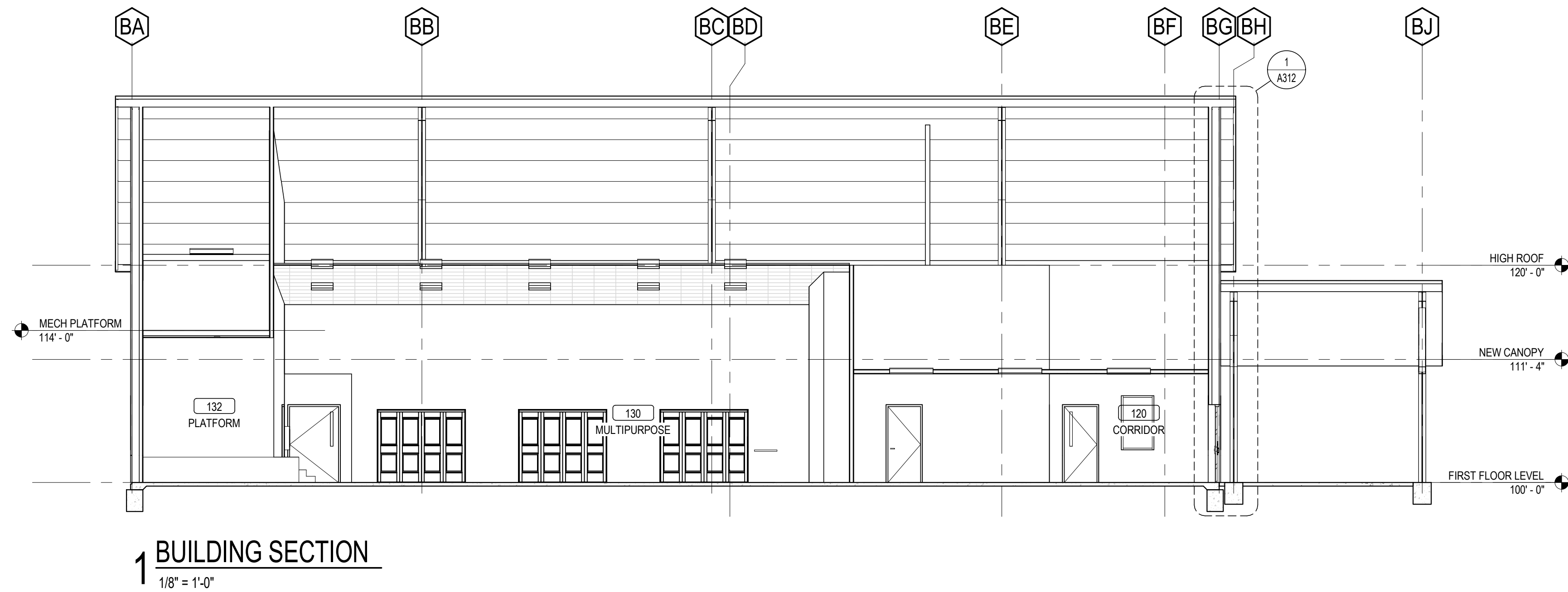
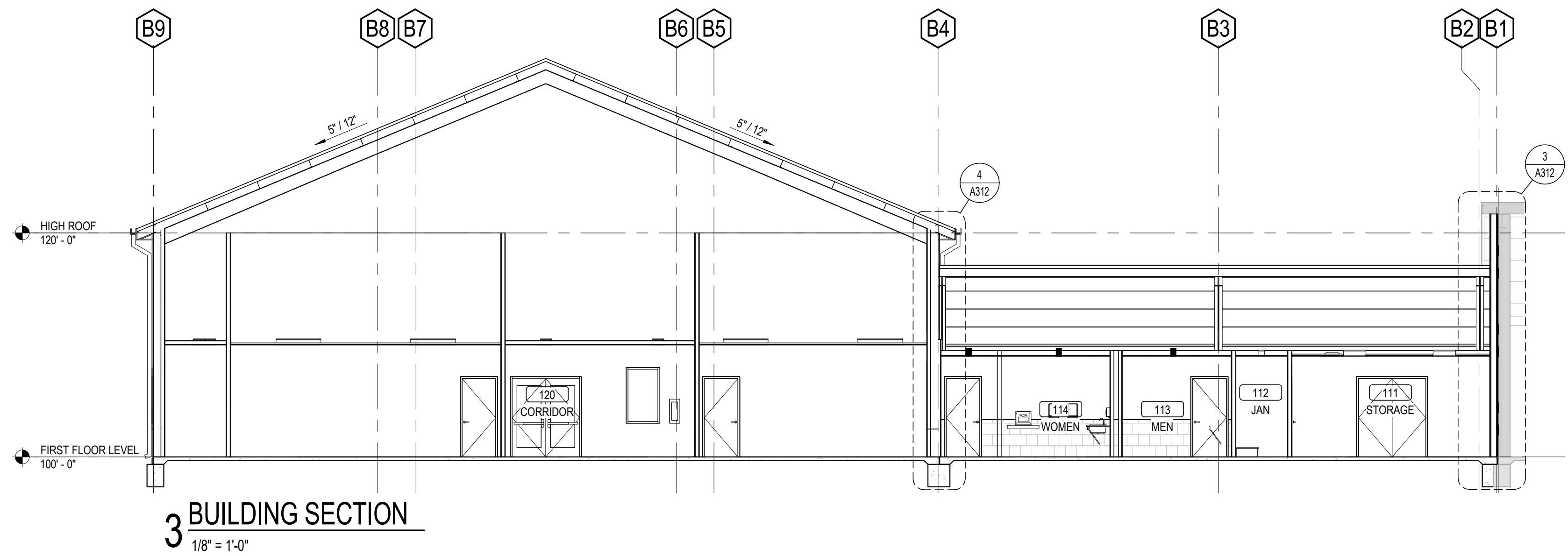
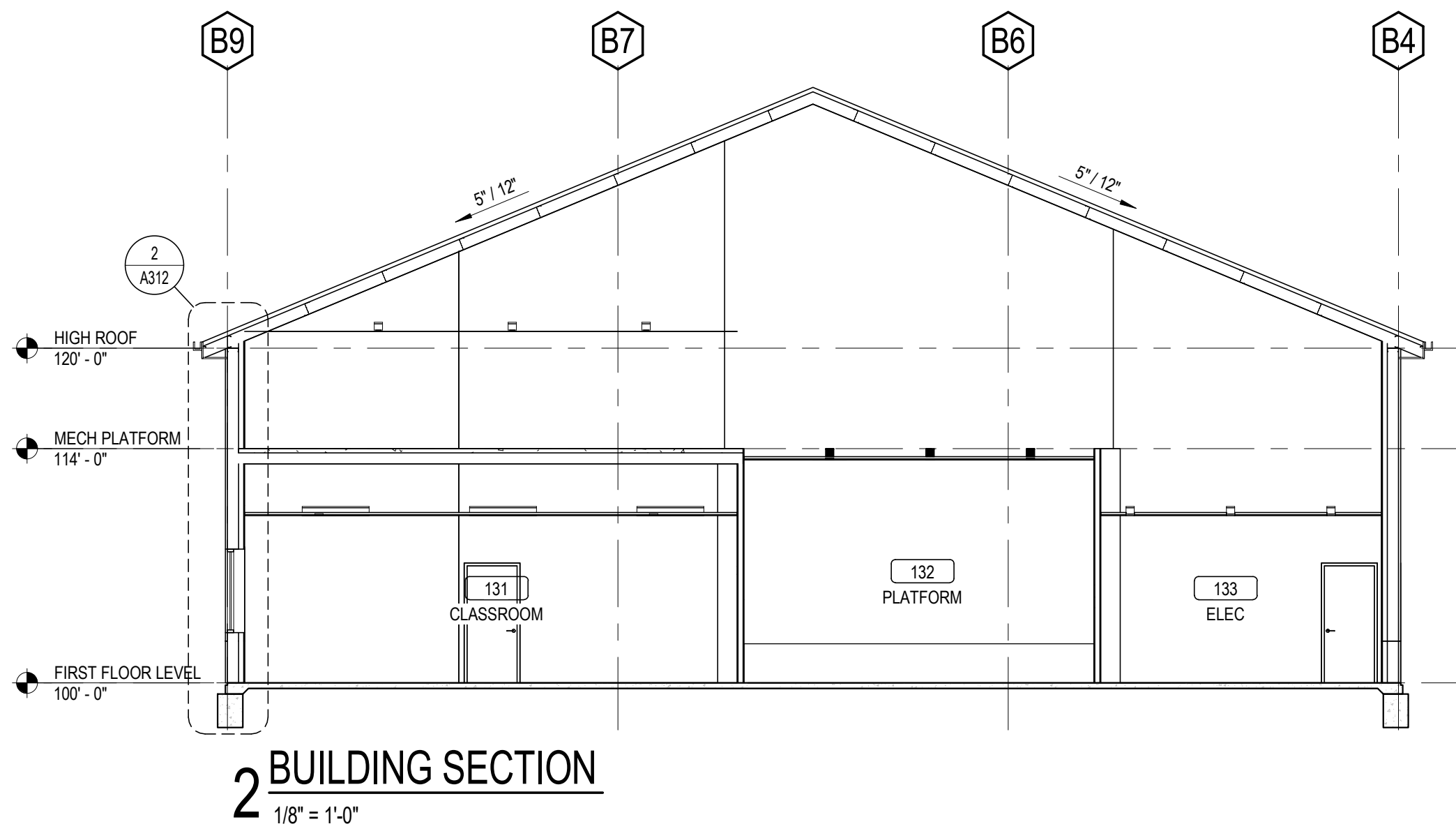
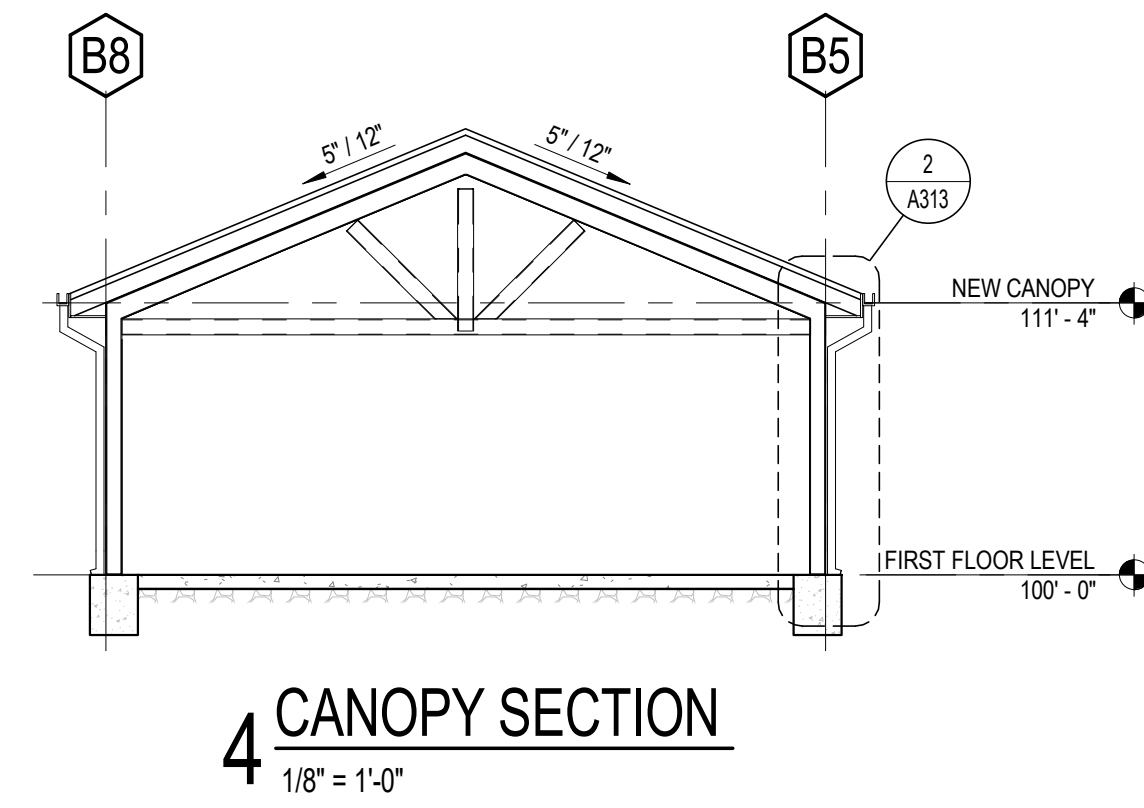
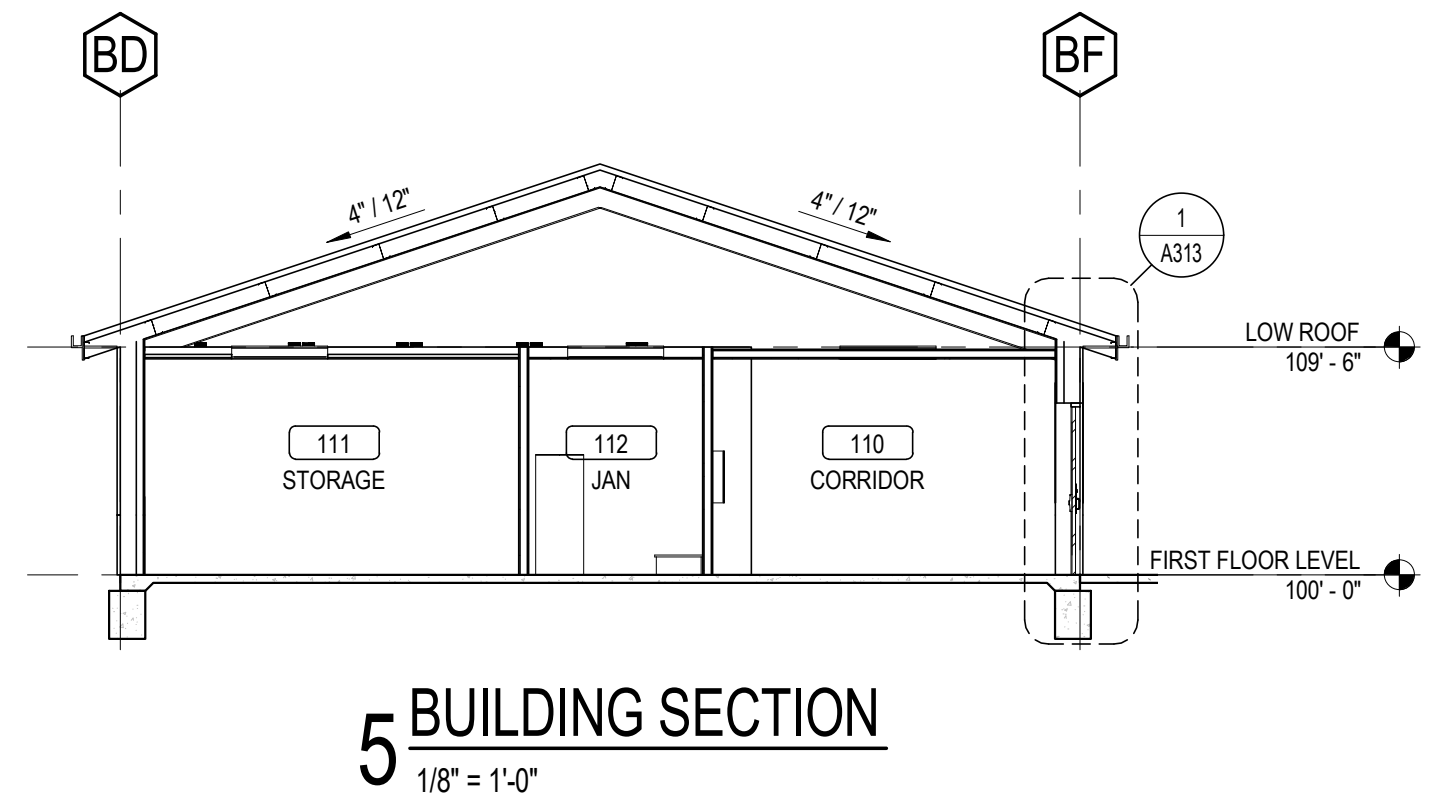
BUILDING SECTIONS

JOB 2022.28
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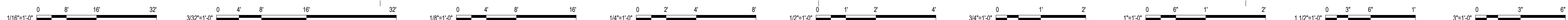
A302

SCALE 1/8" = 1'-0"

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CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

07.14.2023 REVISION 2

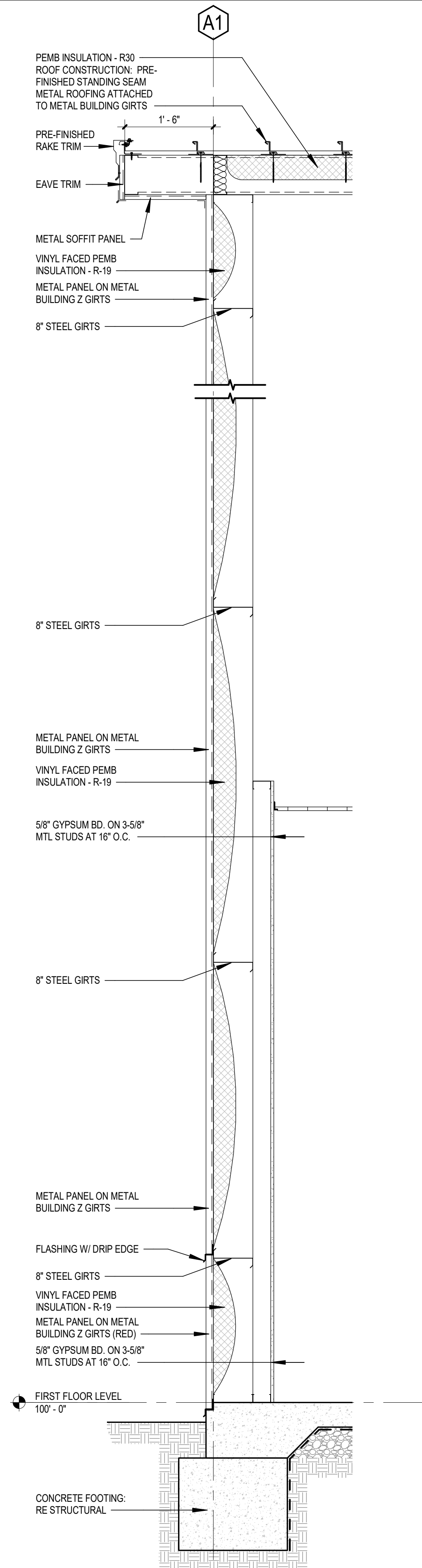
WALL SECTIONS

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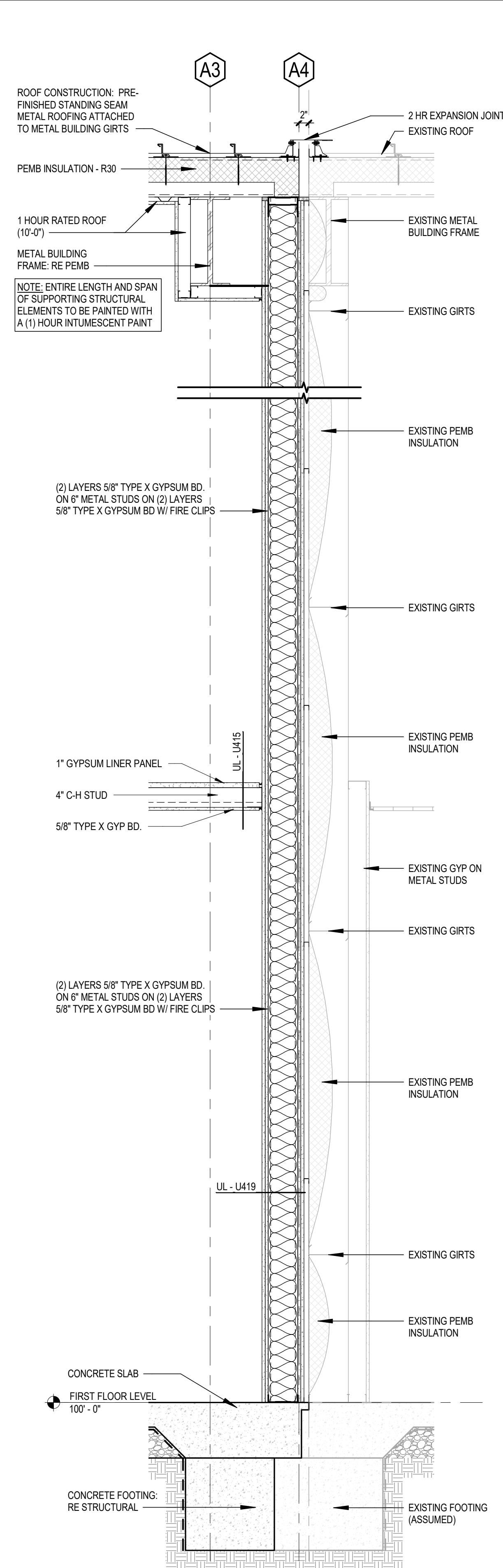
A311

SCALE 3/4" = 1'-0"

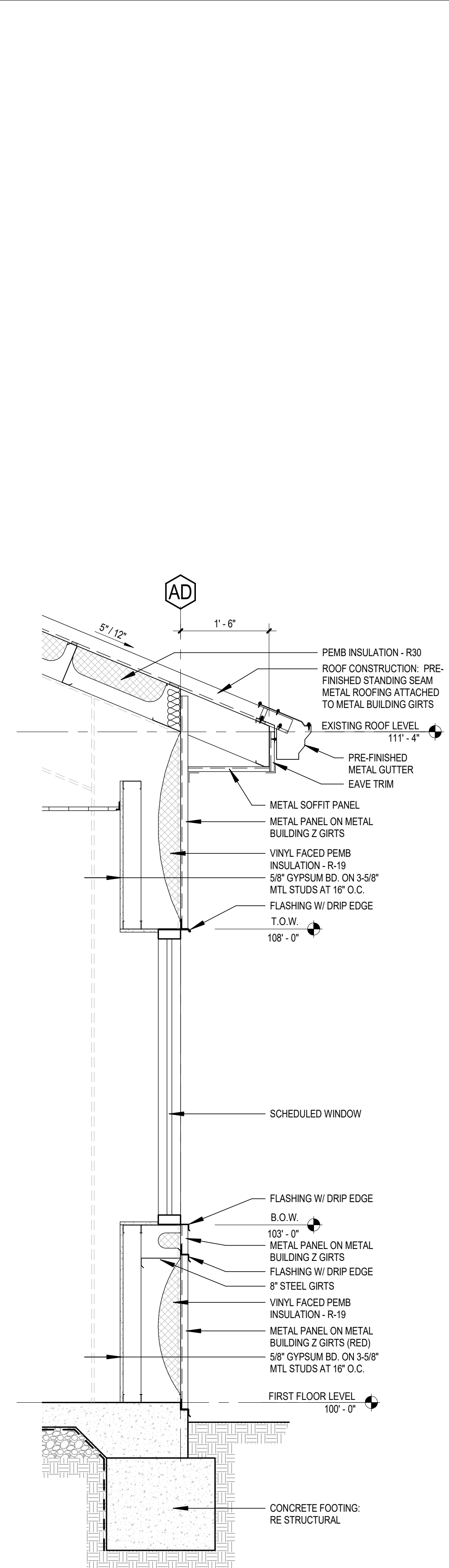
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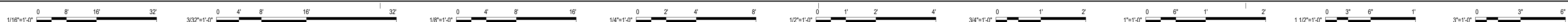
3 WALL SECTION
 3/4" = 1'-0"



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



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



10/19/2023 9:00:58 AM

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CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

**1919 W. 470
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REVISIONS

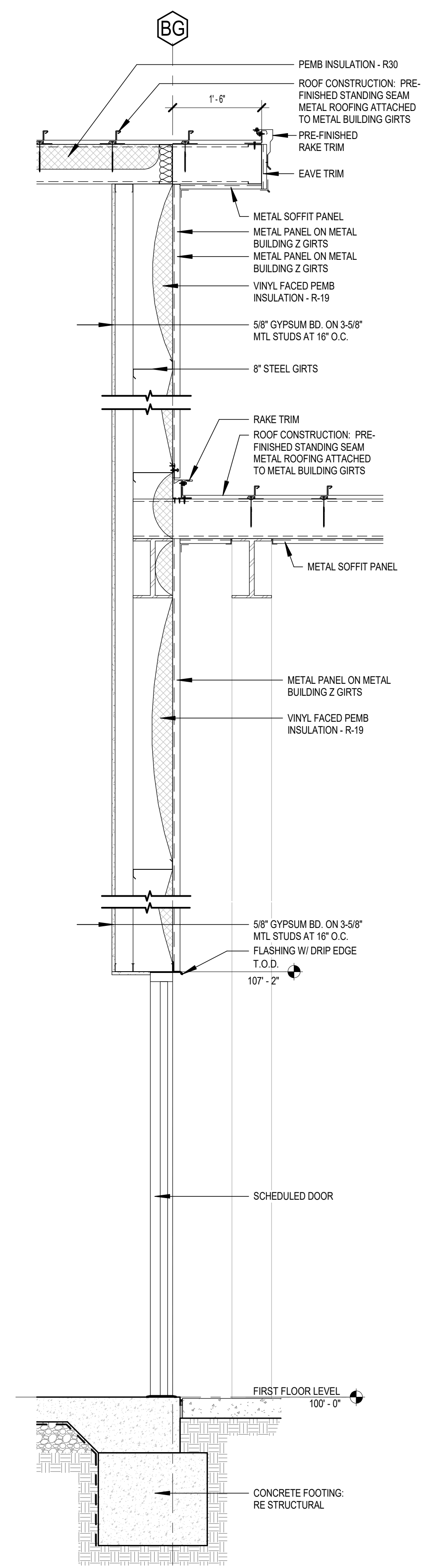
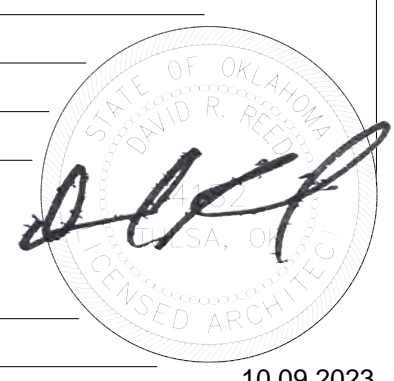
04.24.2023	REVISION 1
07.14.2023	REVISION 2

WALL SECTIONS

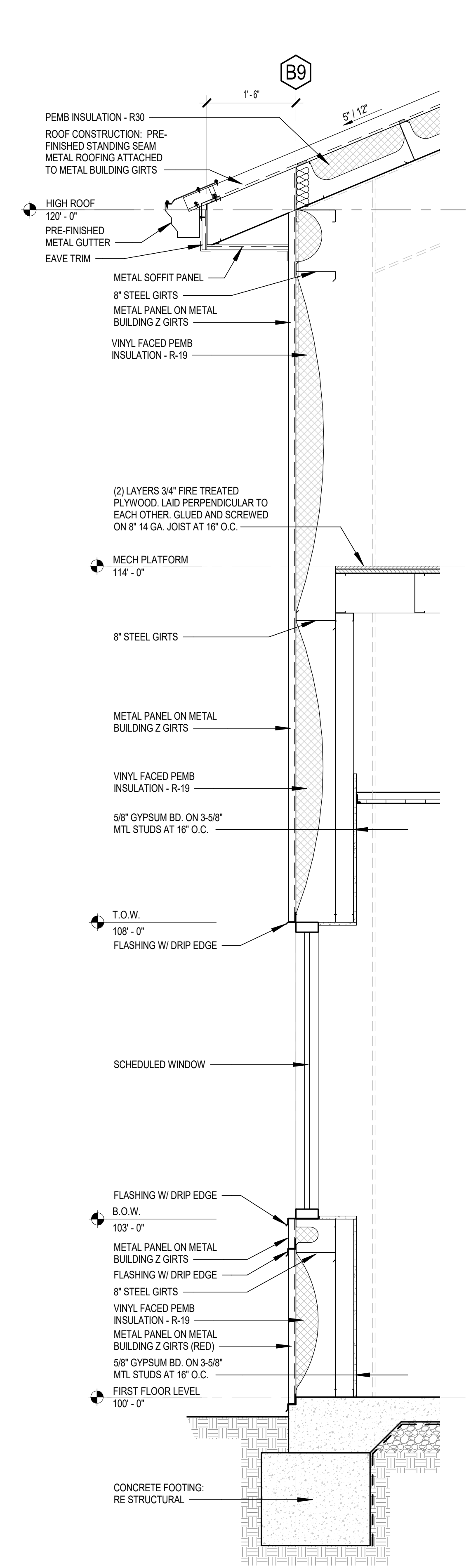
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A312

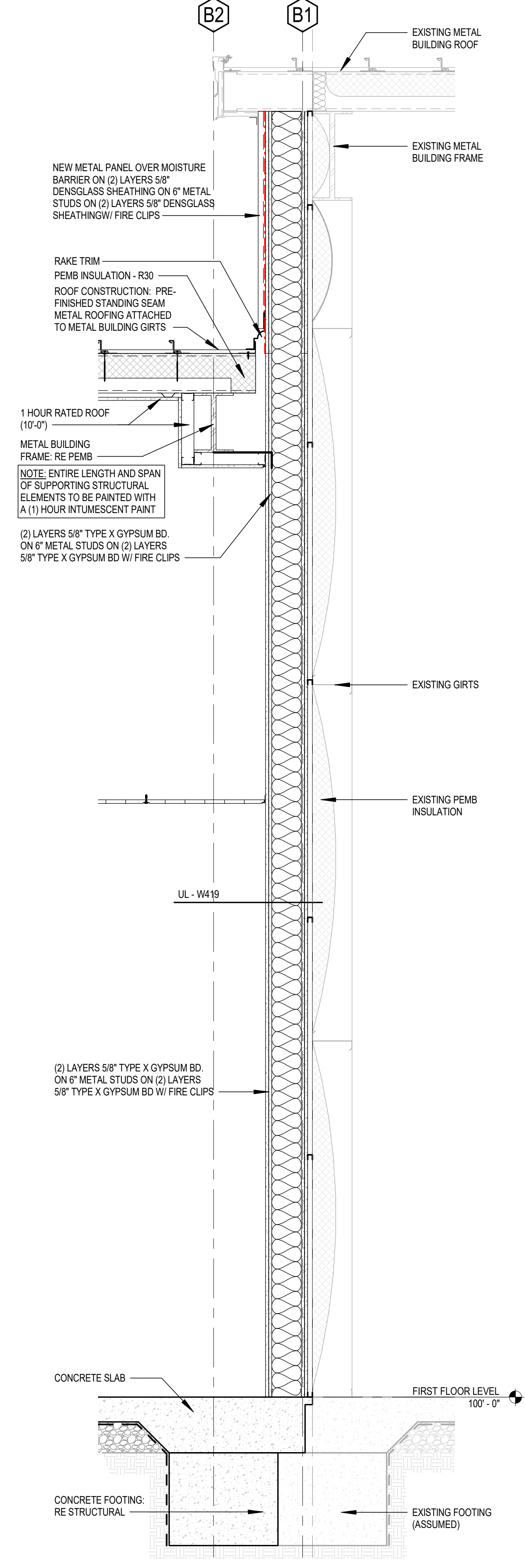
SCALE 3/4" = 1'-0"



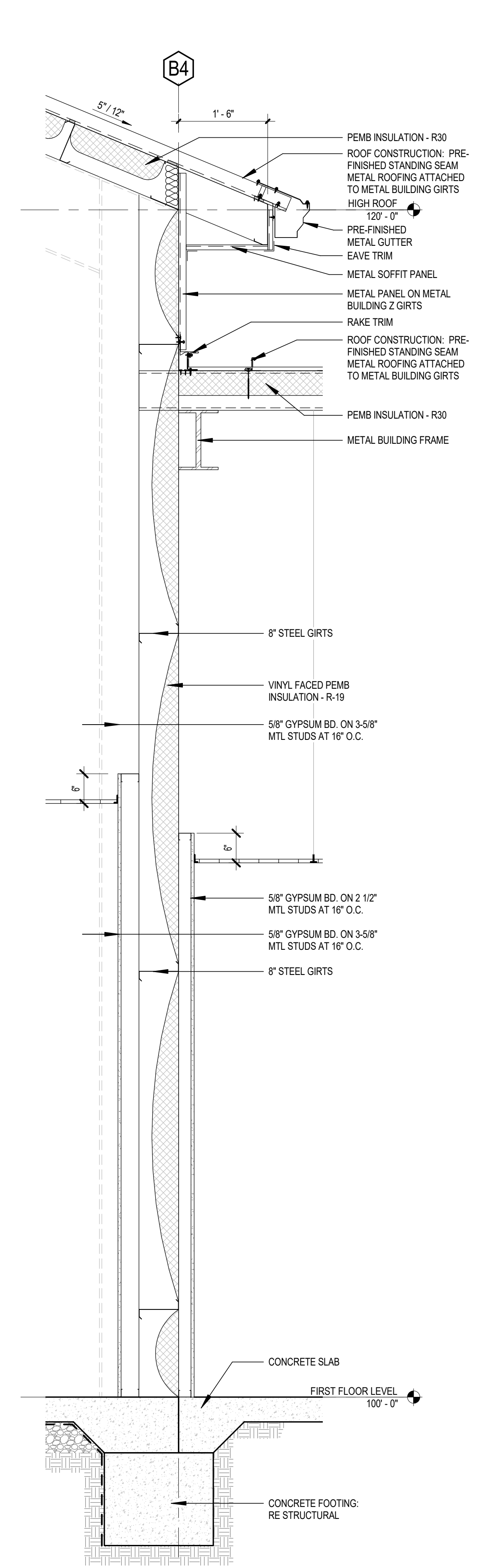
1 WALL SECTION
 3/4" = 1'-0"



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



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

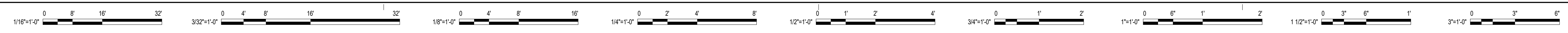


4 WALL SECTION
 3/4" = 1'-0"

NOTE: ENTIRE LENGTH AND SPAN OF SUPPORTING STRUCTURAL ELEMENTS TO BE PAINTED WITH A (1) HOUR INTUMESCENT PAINT

(2) LAYERS 5/8" TYPE X GYPSUM BD. ON 6" METAL STUDS ON (2) LAYERS 5/8" TYPE X GYPSUM BD W/ FIRE CLIPS

(2) LAYERS 5/8" TYPE X GYPSUM BD. ON 6" METAL STUDS ON (2) LAYERS 5/8" TYPE X GYPSUM BD W/ FIRE CLIPS



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CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

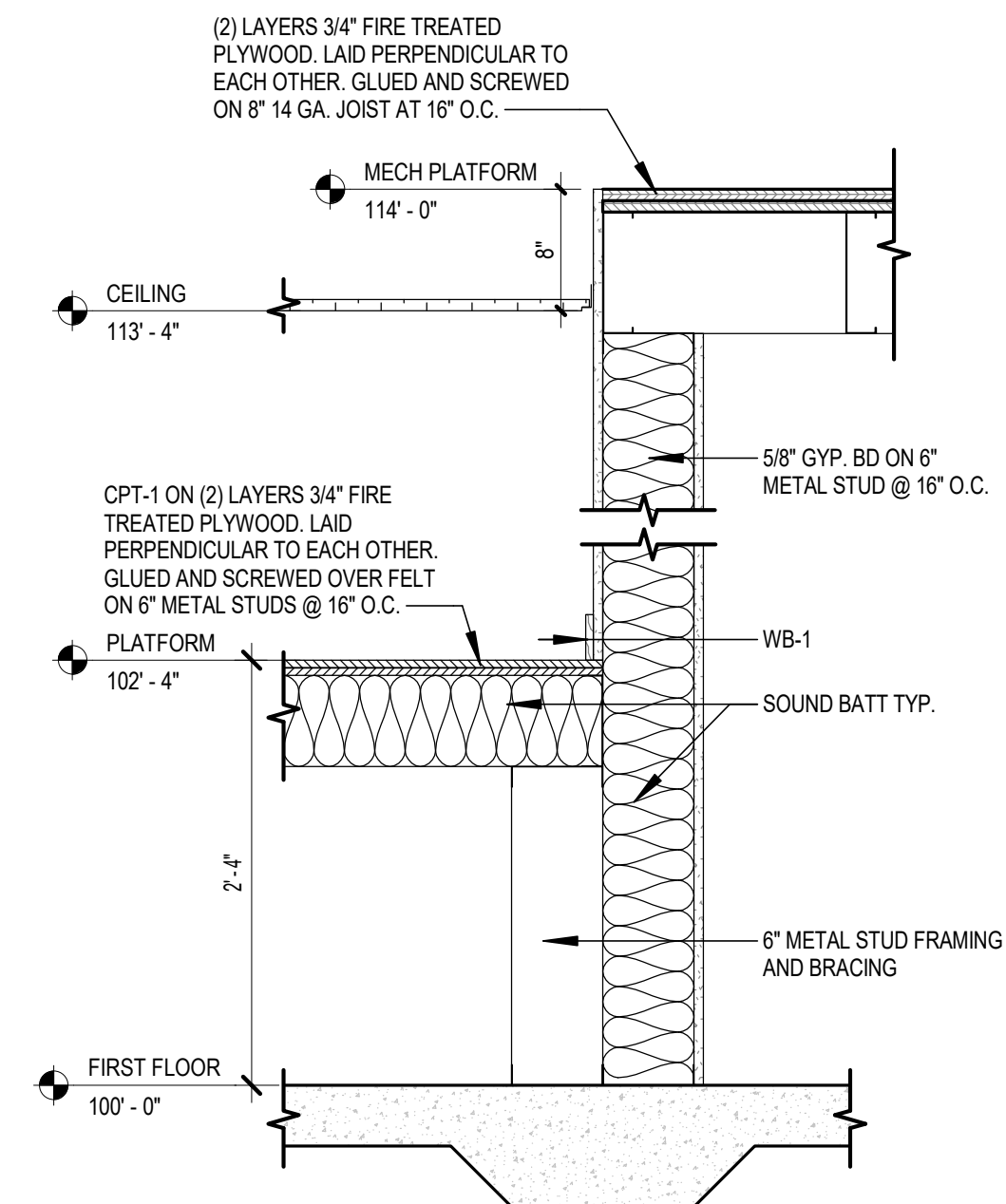
**ENLARGED PLATFORM PLAN
 AND SECTIONS**

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
 CHKD BY: Checker

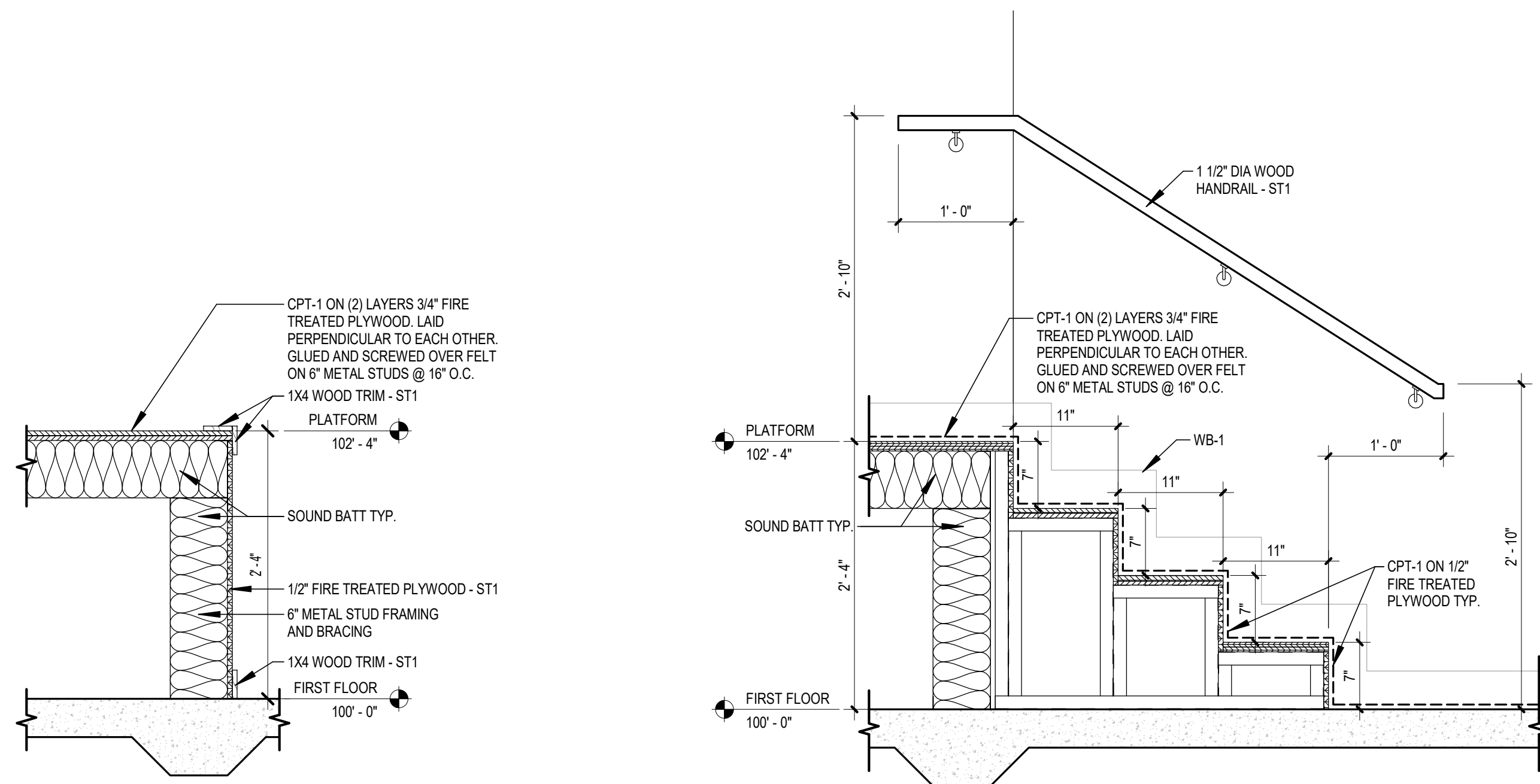
A401

SCALE As indicated

10.09.2023

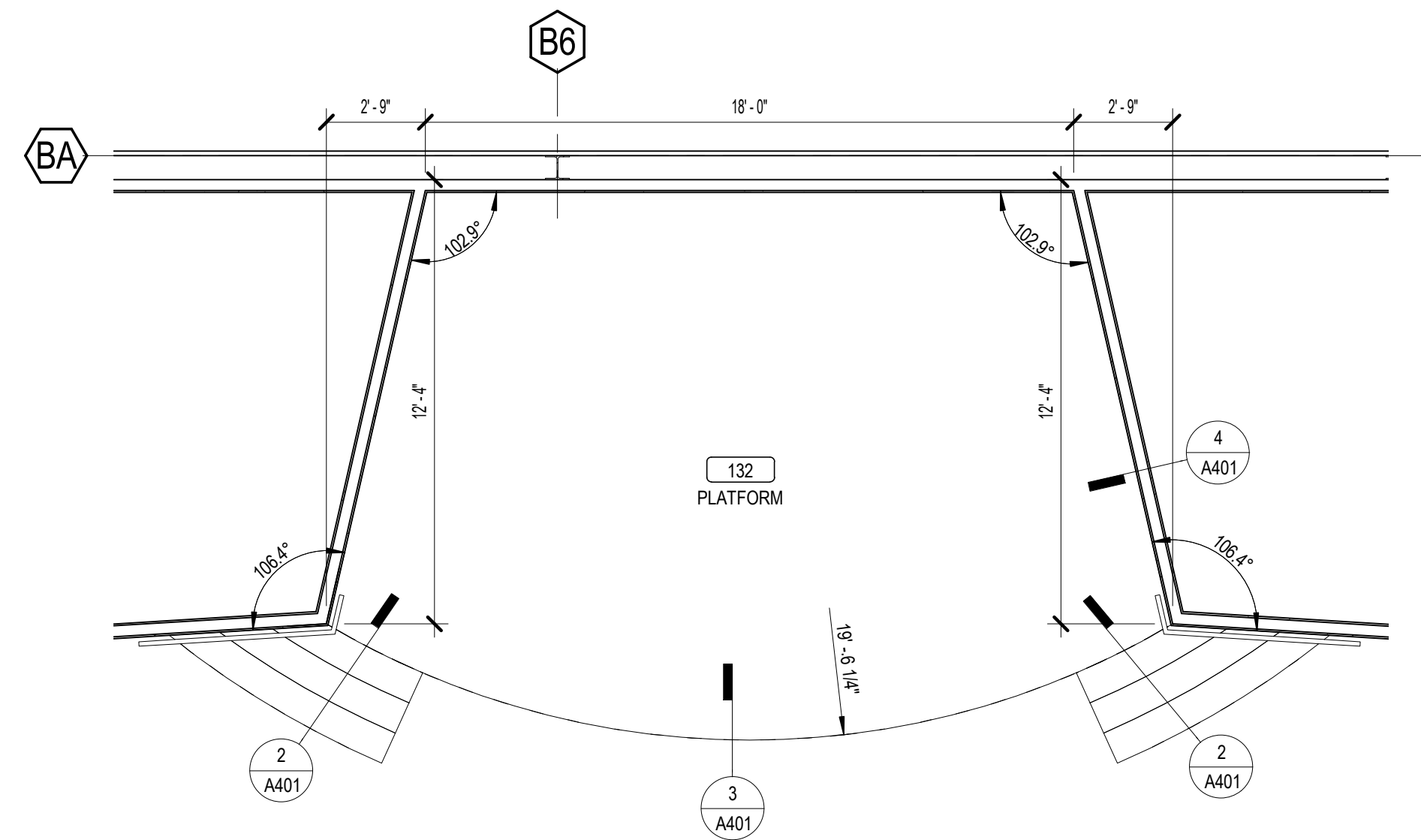


4 PLATFORM SECTION
 1" = 1'-0"



3 PLATFORM SECTION
 1" = 1'-0"

2 PLATFORM STAIR SECTION
 1" = 1'-0"



1 ENLARGED PLATFORM
 1/4" = 1'-0"

10/19/2023 9:01:02 AM

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CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
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REVISIONS
 04.24.2023 REVISION 1

**ENLARGED RESTROOM
 PLANS AND ELEVATIONS**

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
 CHKD BY: Checker

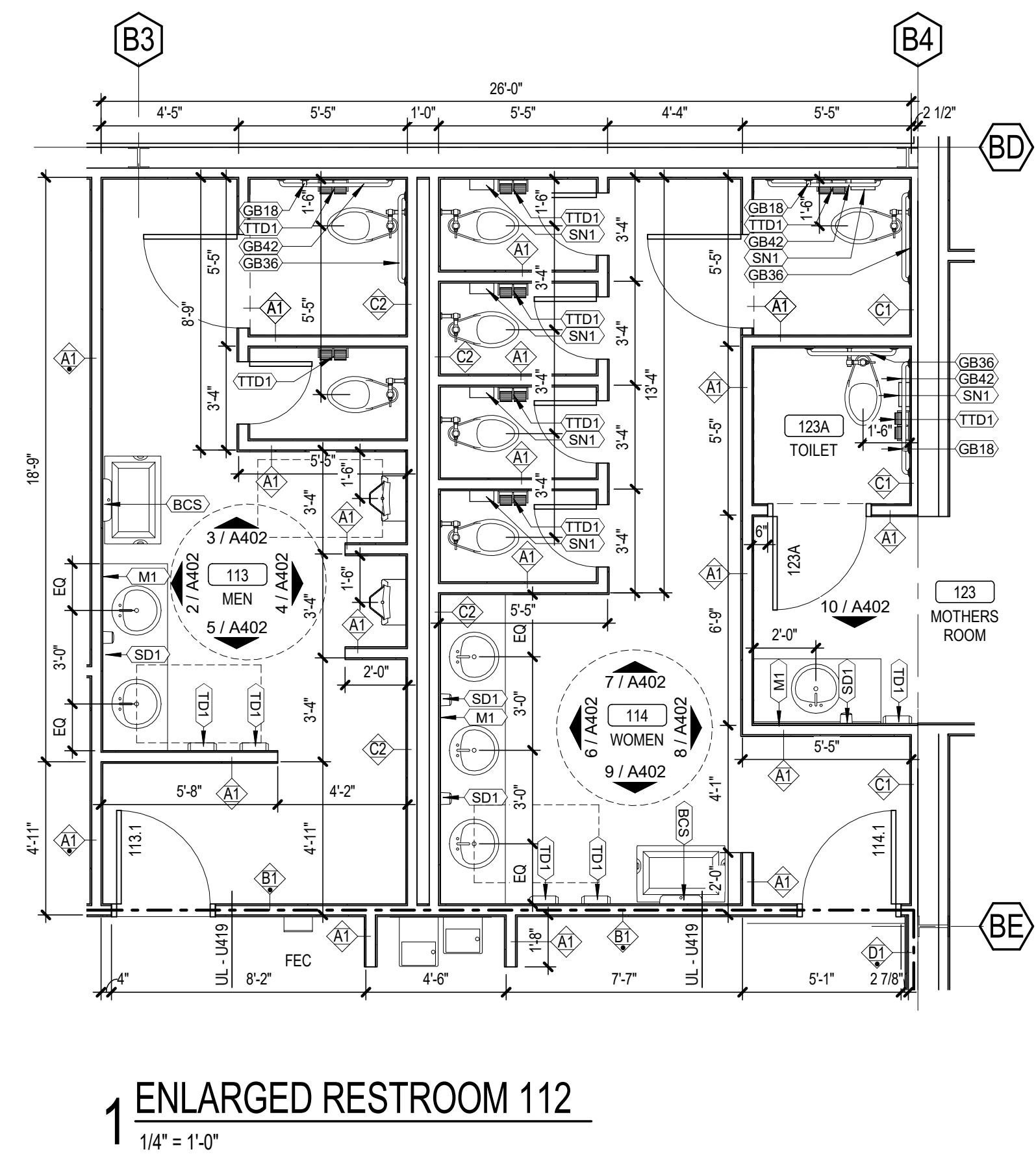
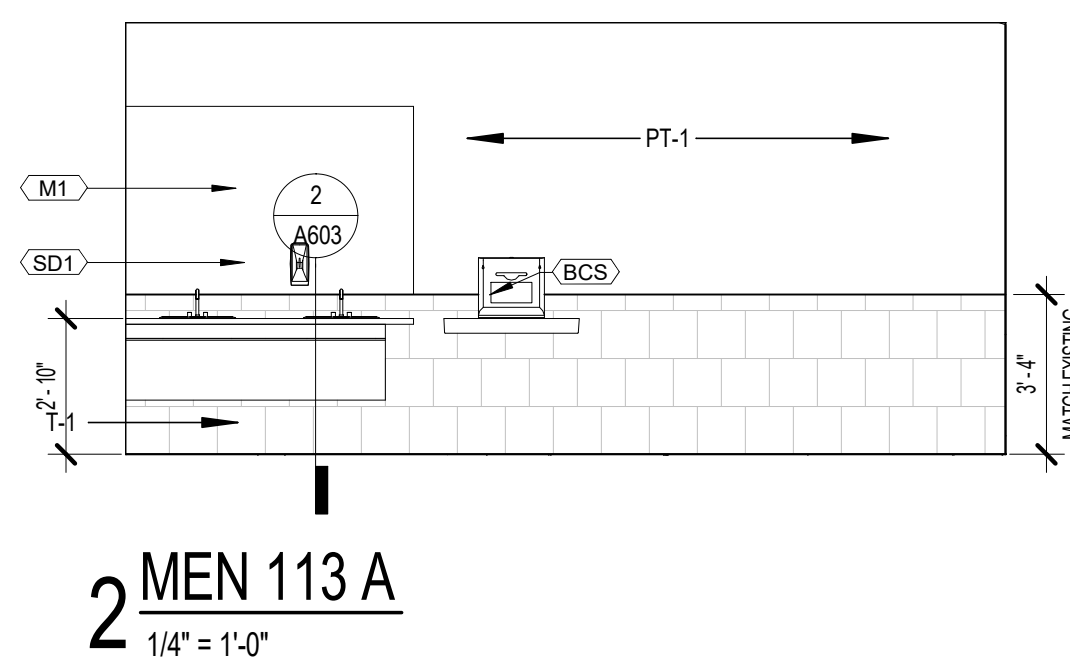
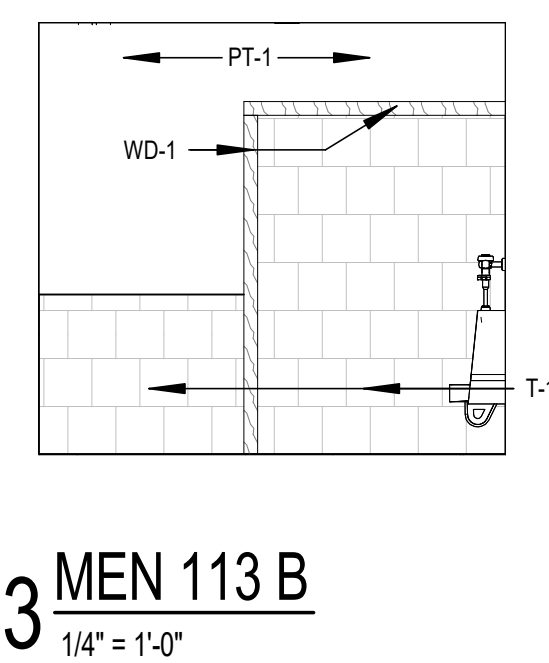
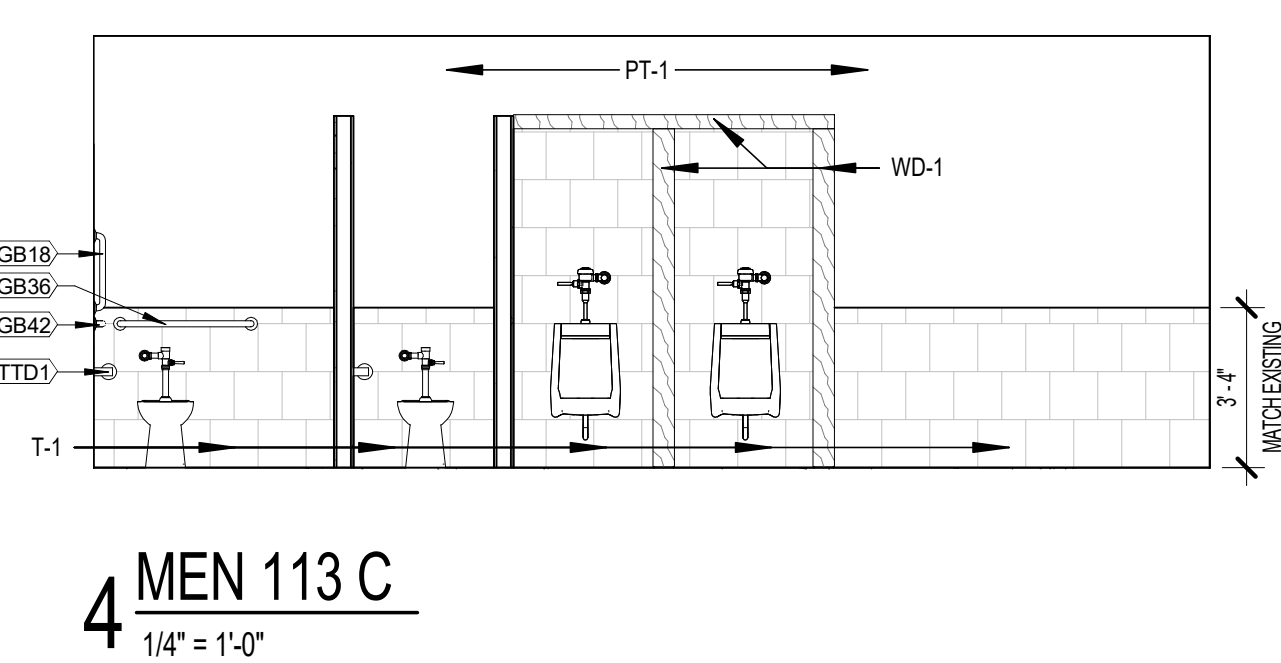
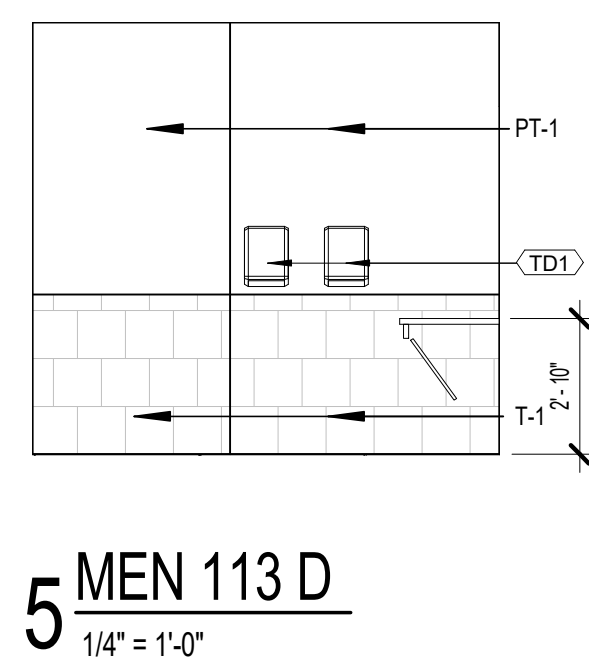
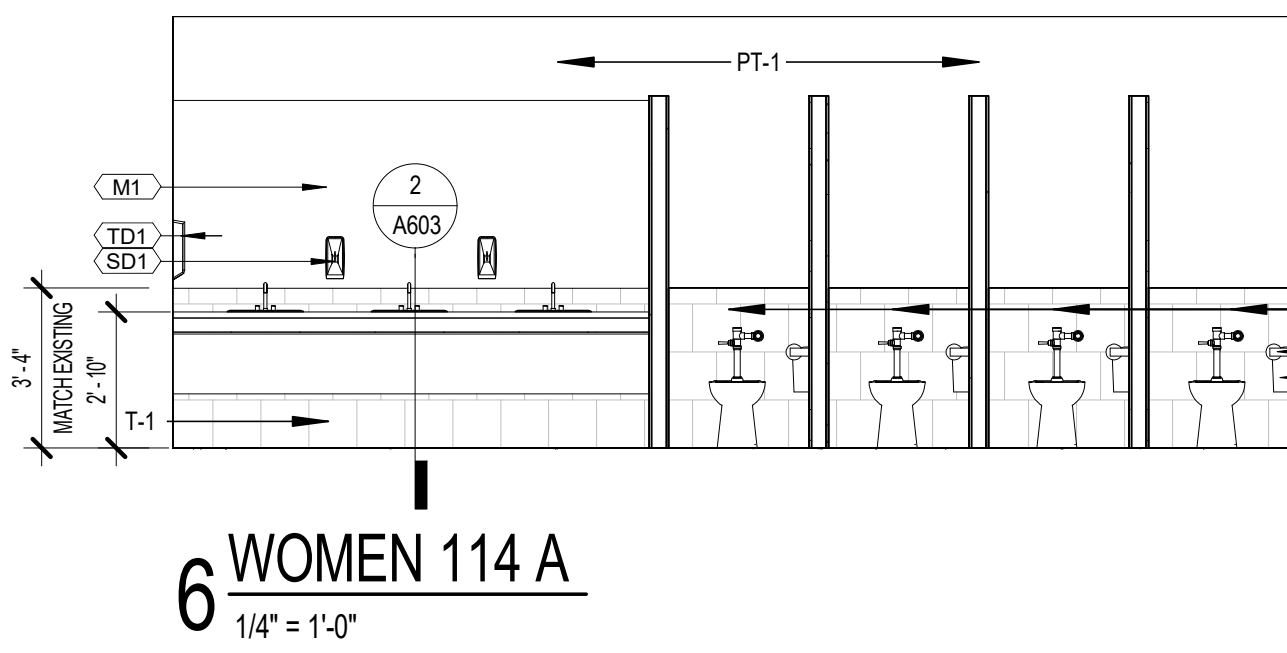
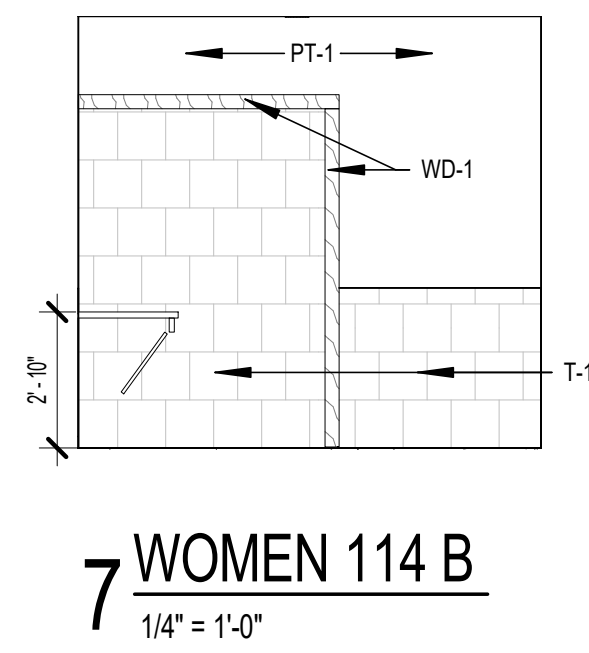
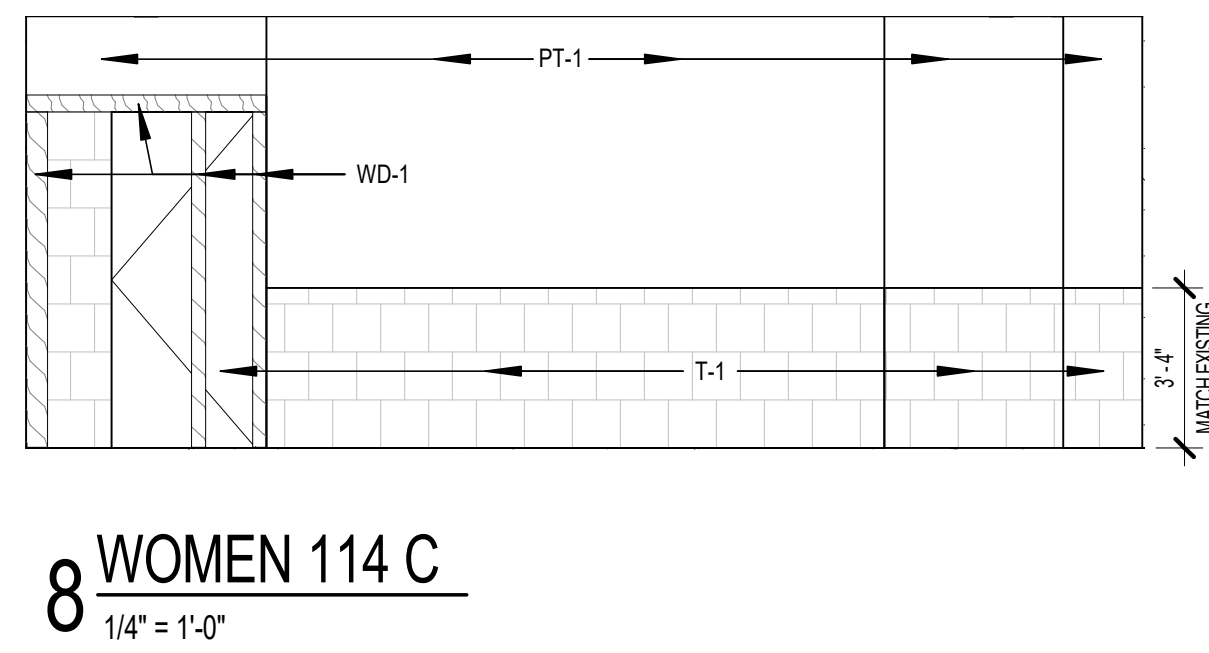
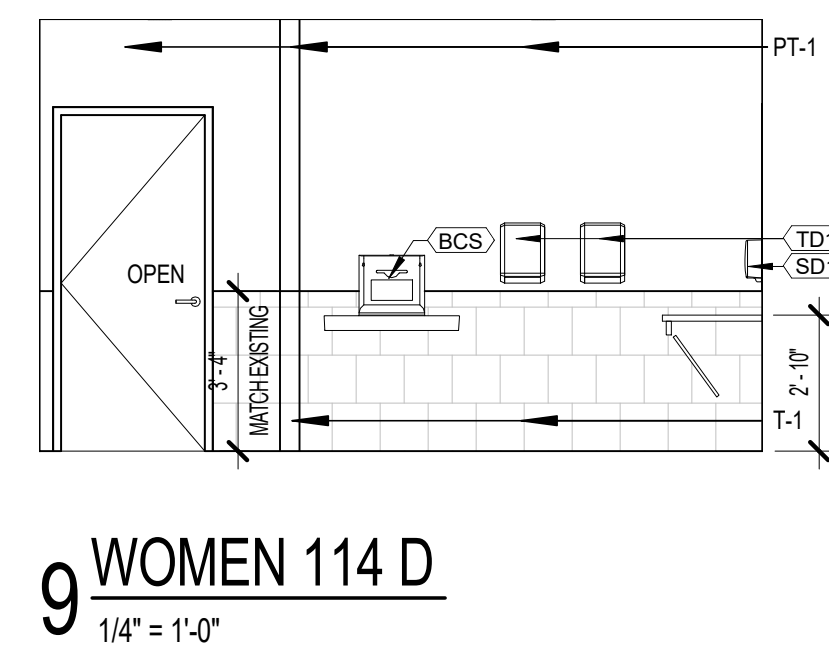
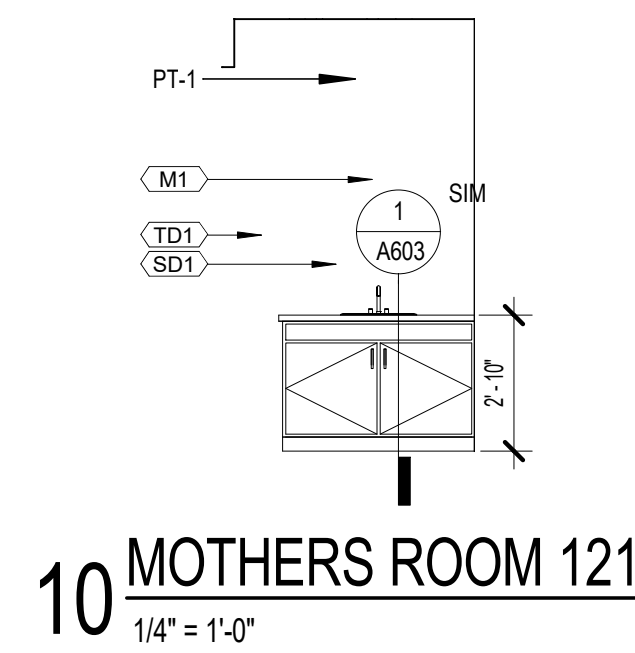
A402

SCALE 1/4" = 1'-0"

10.09.2023

SPECIALTIES SCHEDULE

MARK	DESCRIPTION	MANUFACTURER	PRODUCT NO.	DIMENSIONS	FINISH
BCS	BABY CHANGING STATION	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
GB18	18" GRAB BAR	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
GB36	36" GRAB BAR	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
GB42	42" GRAB BAR	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
M1	MIRROR	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
SD1	SOAP DISPENSER	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
SN1	SANITARY NAPKIN DISPOSAL	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
TD1	TOWEL DISPENSER	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
TTD1	TOILET TISSUE DISPENSER	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.



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CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS
 04.24.2023 REVISION 1
 07.14.2023 REVISION 2

**DOOR AND WINDOW
 SCHEDULES AND DETAILS**

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
 CHKD BY: Checker

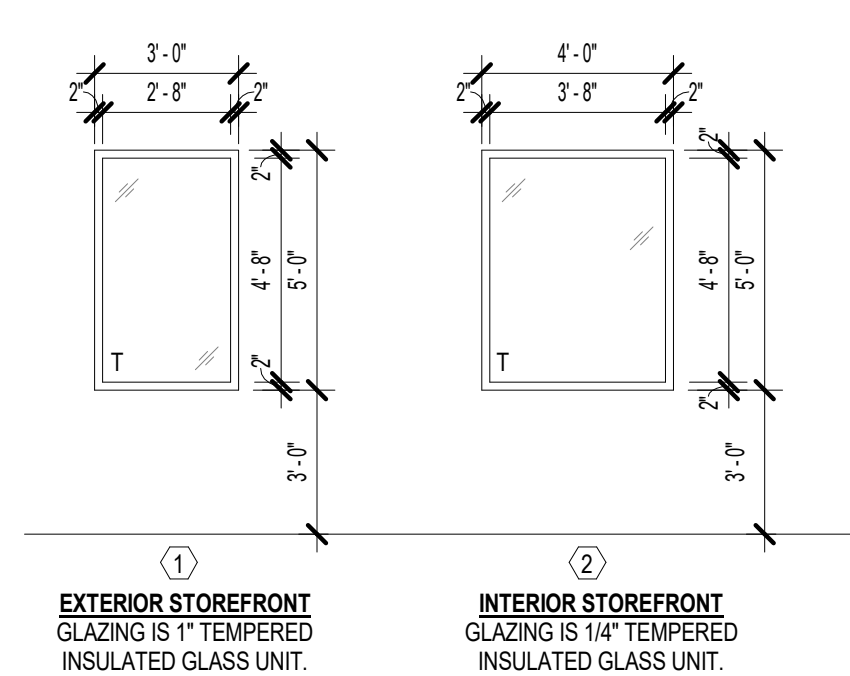
A601

SCALE As indicated

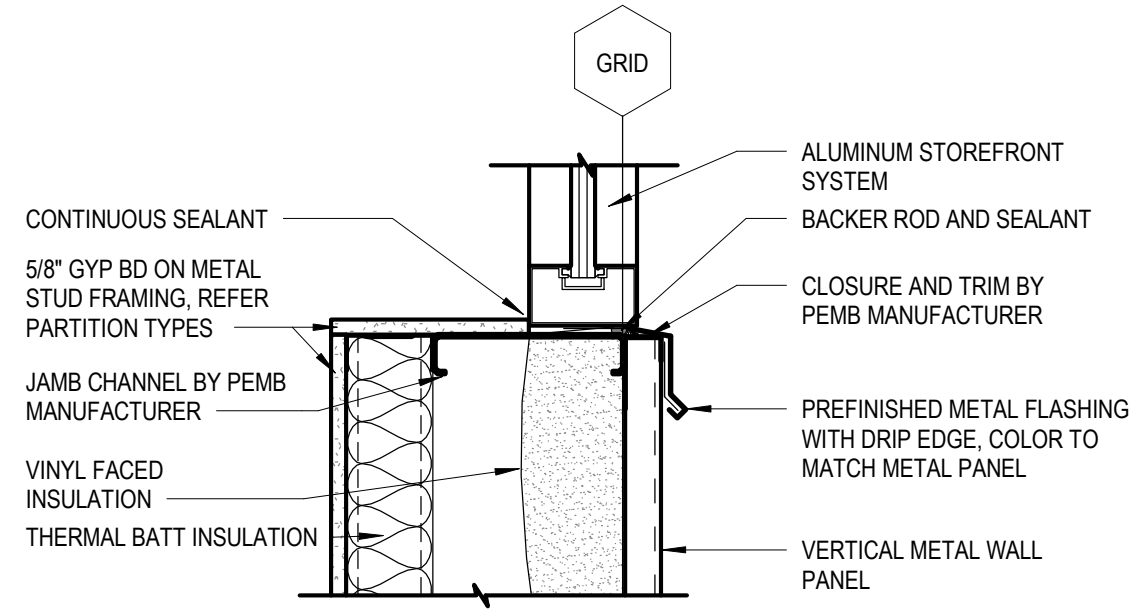
10.09.2023

DOOR AND FRAME SCHEDULE																
DOOR NO.	PAIR / SINGLE	DOOR IDENTIFICATION		DOOR CONSTRUCTION			FRAME CONSTRUCTION			DOOR / FRAME DETAILS			GLAZING TYPE	HW SET	COMMENTS	
		WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	FIRE RATING	HEAD	JAMB				SILL
FIRST FLOOR LEVEL																
101.1		3'-0"	7'-0"	1	HM		1	HM		90	5/A601	1/A601			MATCH EXIST.	PANIC HARDWARE
101.2		3'-0"	7'-0"	2	HM		1	HM			5/A601	1/A601			MATCH EXIST.	PANIC HARDWARE
102		3'-0"	7'-0"	2	HM		1	HM			6/A601	2/A601	4/A601	T	MATCH EXIST.	PANIC HARDWARE
103		3'-0"	7'-0"	1	WD		1	WD		45	5/A601	1/A601			MATCH EXIST.	
104		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
105		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
106		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
110.1	PAIR	6'-0"	7'-0"	3	ALUM		1	ALUM			8/A601	7/A601	3/A601	G1/T	MATCH EXIST.	PANIC HARDWARE
110.2		6'-0"	7'-0"	2	HM		1	HM		90	5/A601	1/A601			MATCH EXIST.	PANIC HARDWARE
111.1	PAIR	6'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
111.2		3'-0"	7'-0"	2	HM		1	HM		90	5/A601	1/A601			MATCH EXIST.	
112		3'-0"	7'-0"	1	WD		1	HM			5/A601	1/A601			MATCH EXIST.	
113.1		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
114.1		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
120.1	PAIR	6'-0"	7'-0"	3	ALUM		1	ALUM			8/A601	7/A601	3/A601	G1/T	MATCH EXIST.	PANIC HARDWARE
120.2		6'-0"	7'-0"	2	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	PANIC HARDWARE
120.3		3'-0"	7'-0"	2	HM		1	HM			6/A601	2/A601	4/A601	T	MATCH EXIST.	PANIC HARDWARE
121		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
122		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
123		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
123A		3'-0"	7'-0"	1	WD		1	HM			5/A601	1/A601			MATCH EXIST.	
124		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
125		3'-0"	7'-0"	1	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	
126	FOLDING	8'-0"	6'-8"	1	WD		-	WD			5/A601	1/A601			MATCH EXIST.	
127	FOLDING	8'-0"	6'-8"	1	WD		-	WD			5/A601	1/A601			MATCH EXIST.	
128	FOLDING	8'-0"	6'-8"	1	WD		-	WD			5/A601	1/A601			MATCH EXIST.	
129		4'-6"	7'-0"	2	HM		1	HM			6/A601	2/A601	4/A601	T	MATCH EXIST.	PANIC HARDWARE
130.1	PAIR	6'-0"	7'-0"	2	WD		1	HM		45	5/A601	1/A601			MATCH EXIST.	PANIC HARDWARE
130.2		3'-0"	7'-0"	2	HM		1	HM			6/A601	2/A601	4/A601	T	MATCH EXIST.	PANIC HARDWARE
131		3'-0"	7'-0"	1	WD		1	HM			5/A601	1/A601			MATCH EXIST.	
133		3'-0"	7'-0"	1	WD		1	HM			5/A601	1/A601			MATCH EXIST.	

DOOR AND GLAZING LEGEND	
DOORS:	
WD	SOLID CORE WOOD DOOR
HM	HOLLOW METAL
ALUM	ALUMINUM
GLAZING:	
G-1	1" INSULATING GLASS
T	TEMPERED GLASS

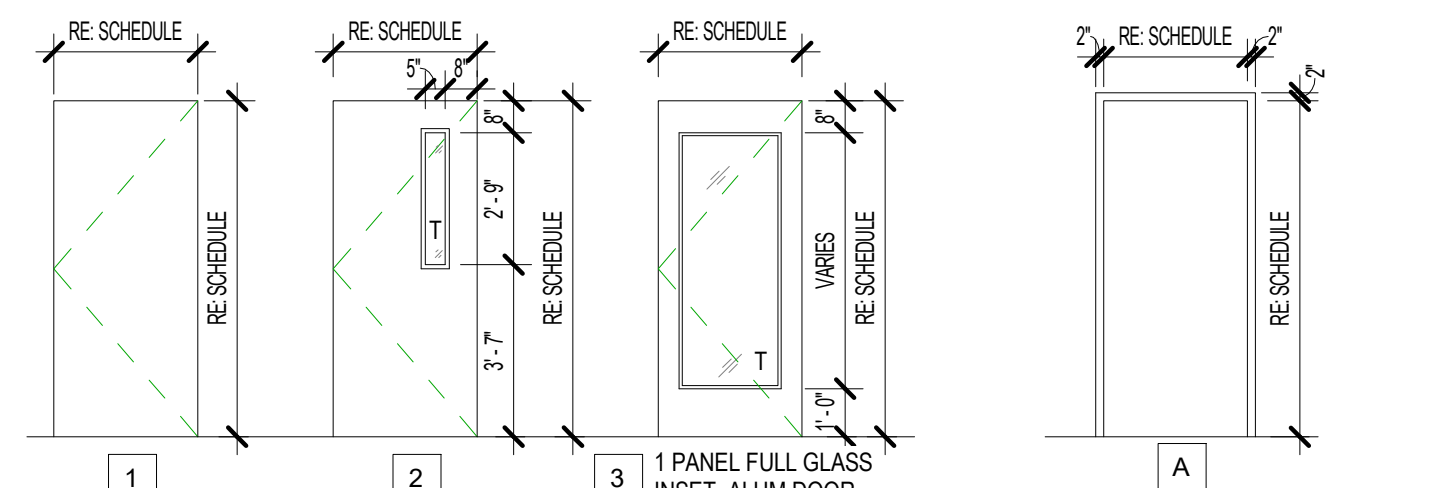
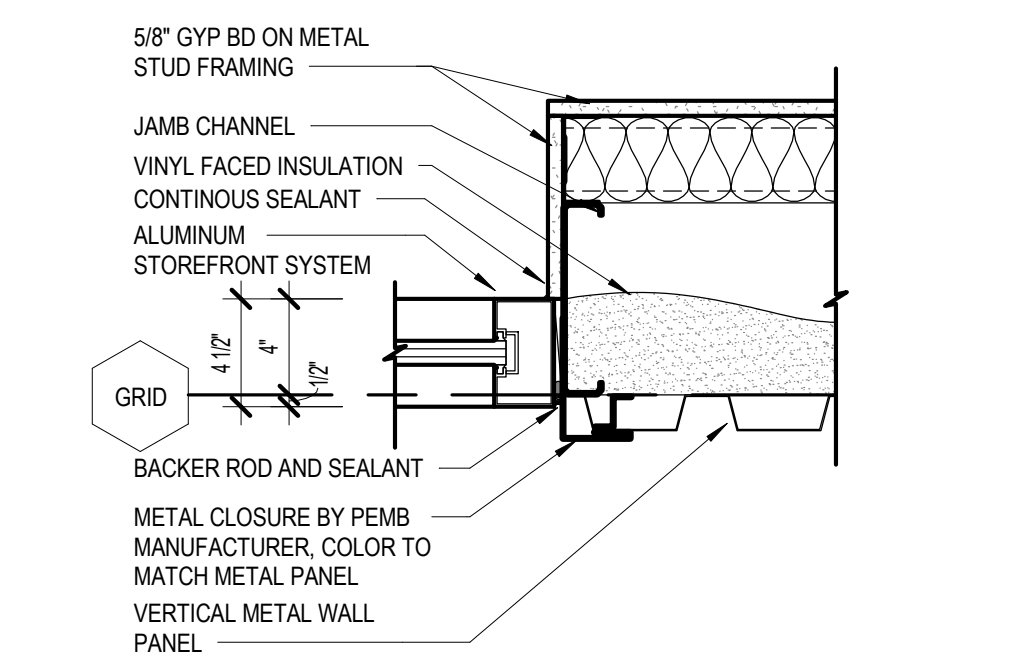


WINDOW TYPES

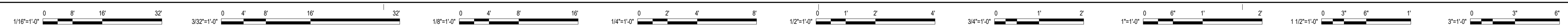
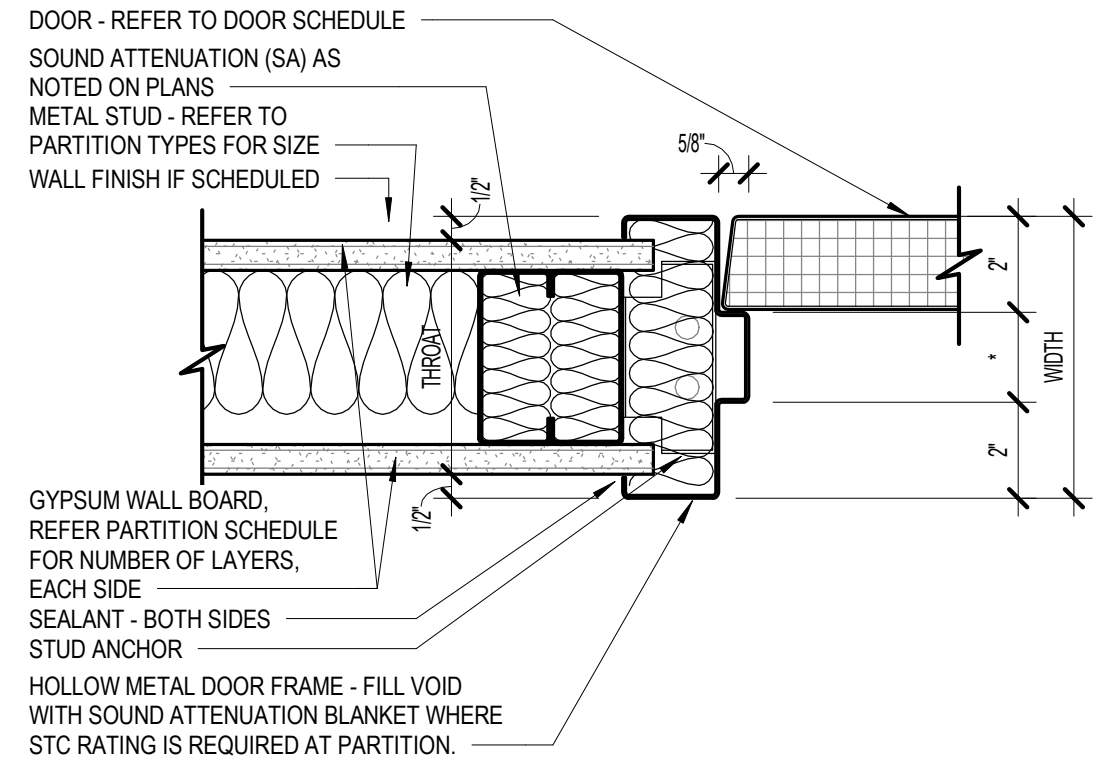
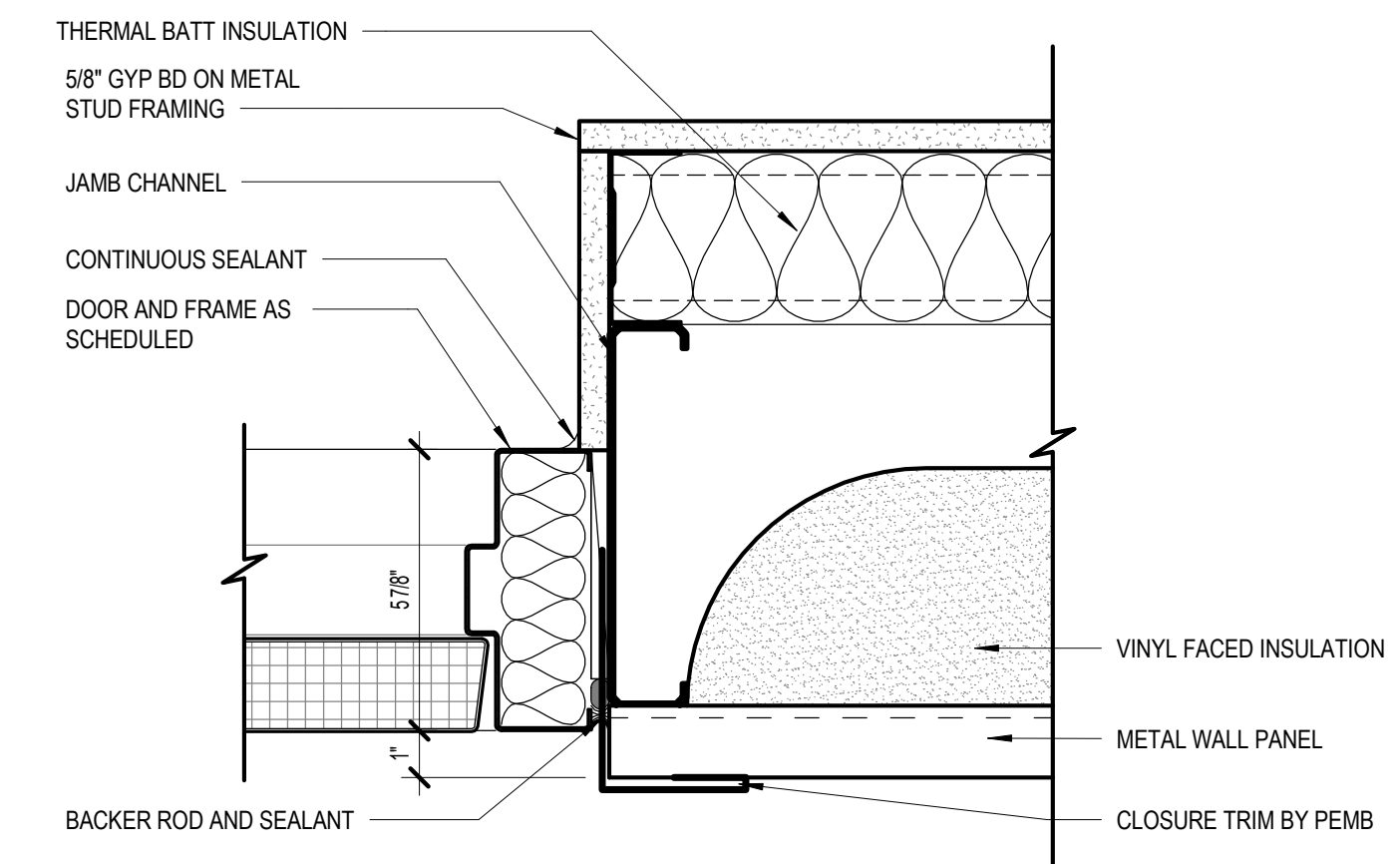
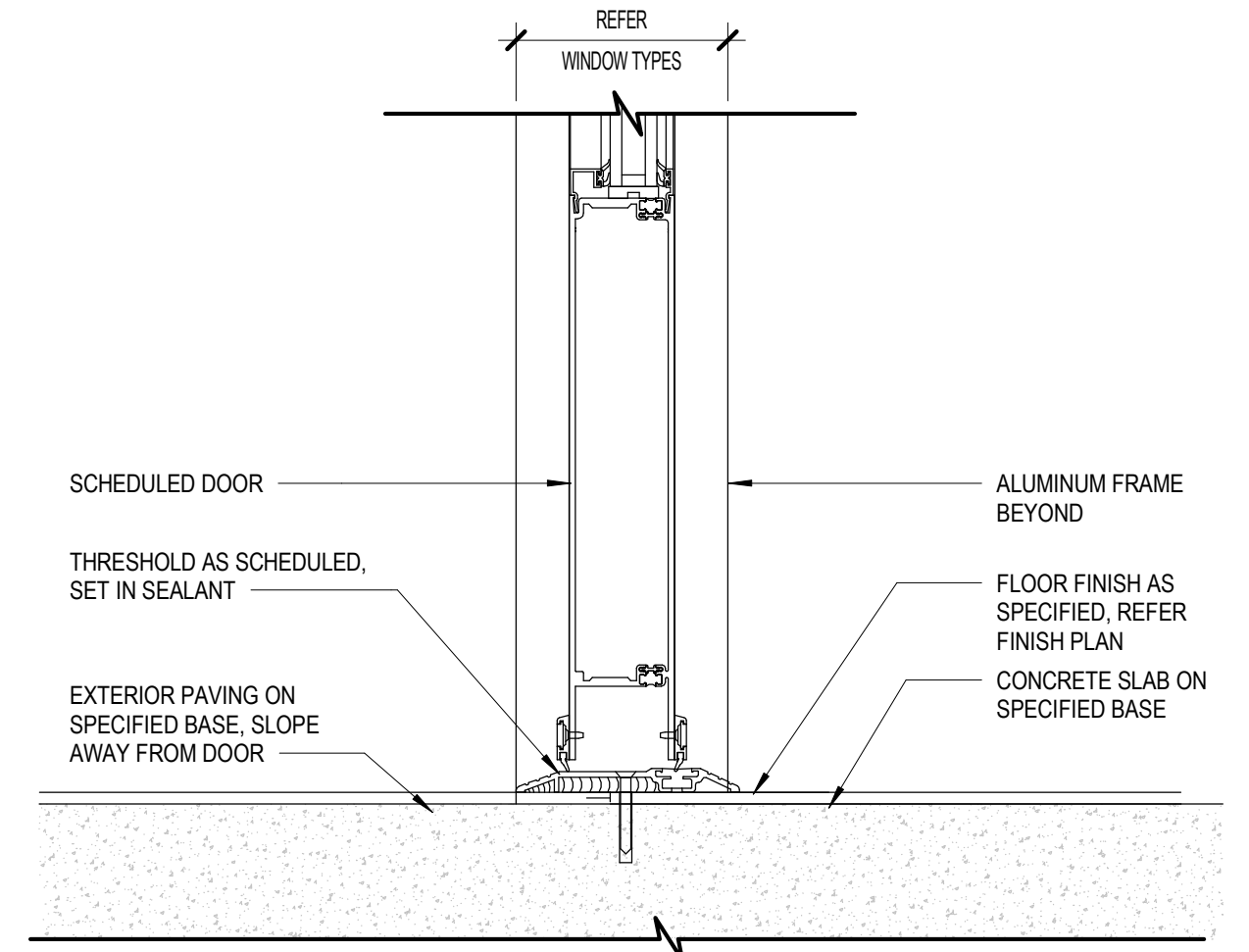
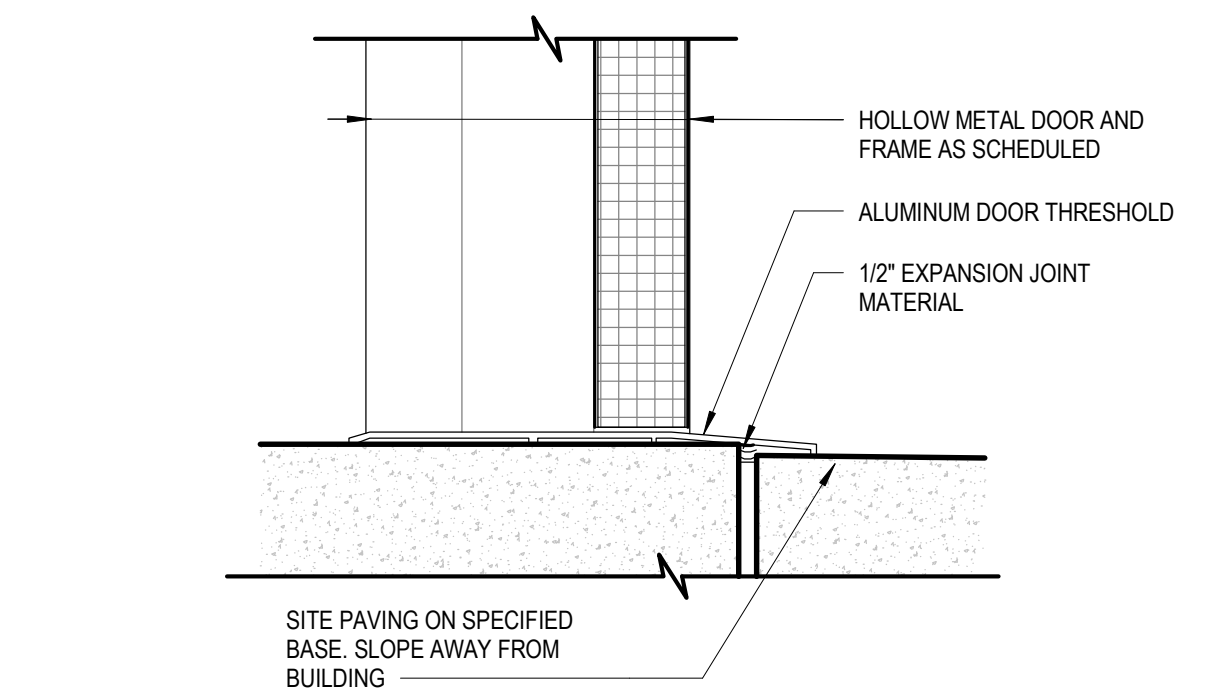
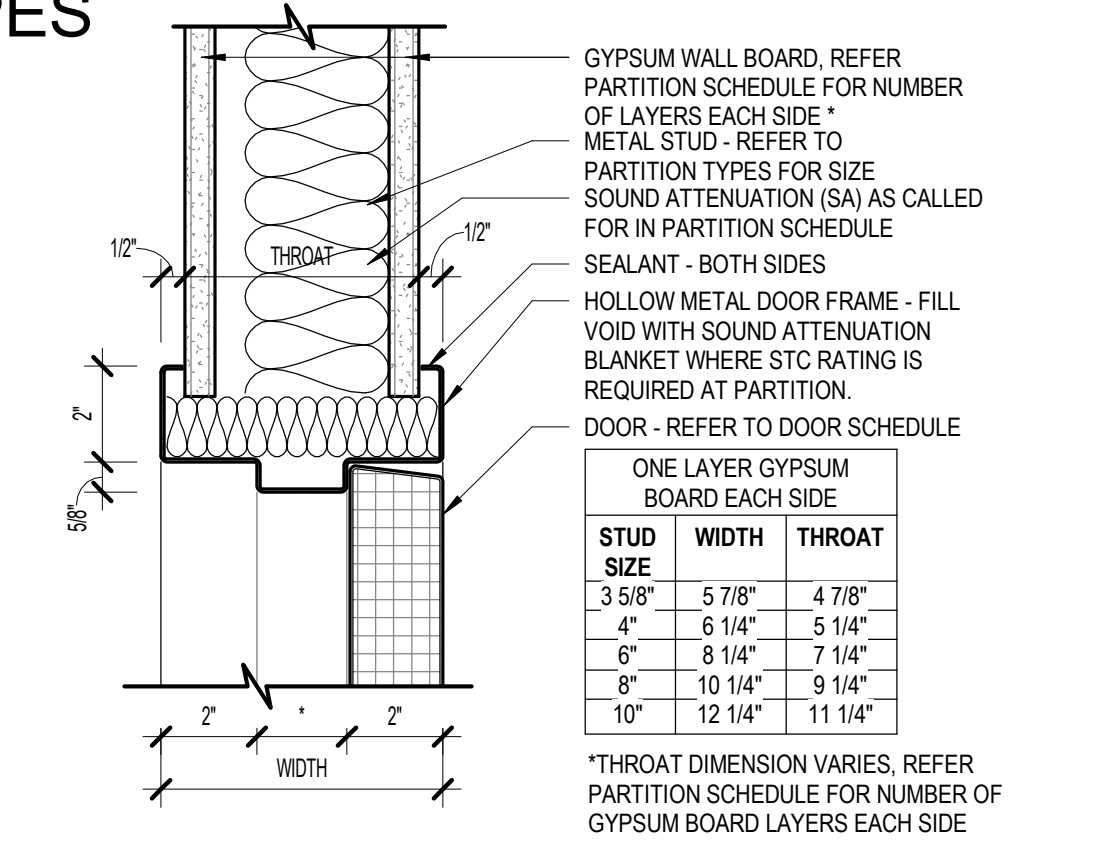
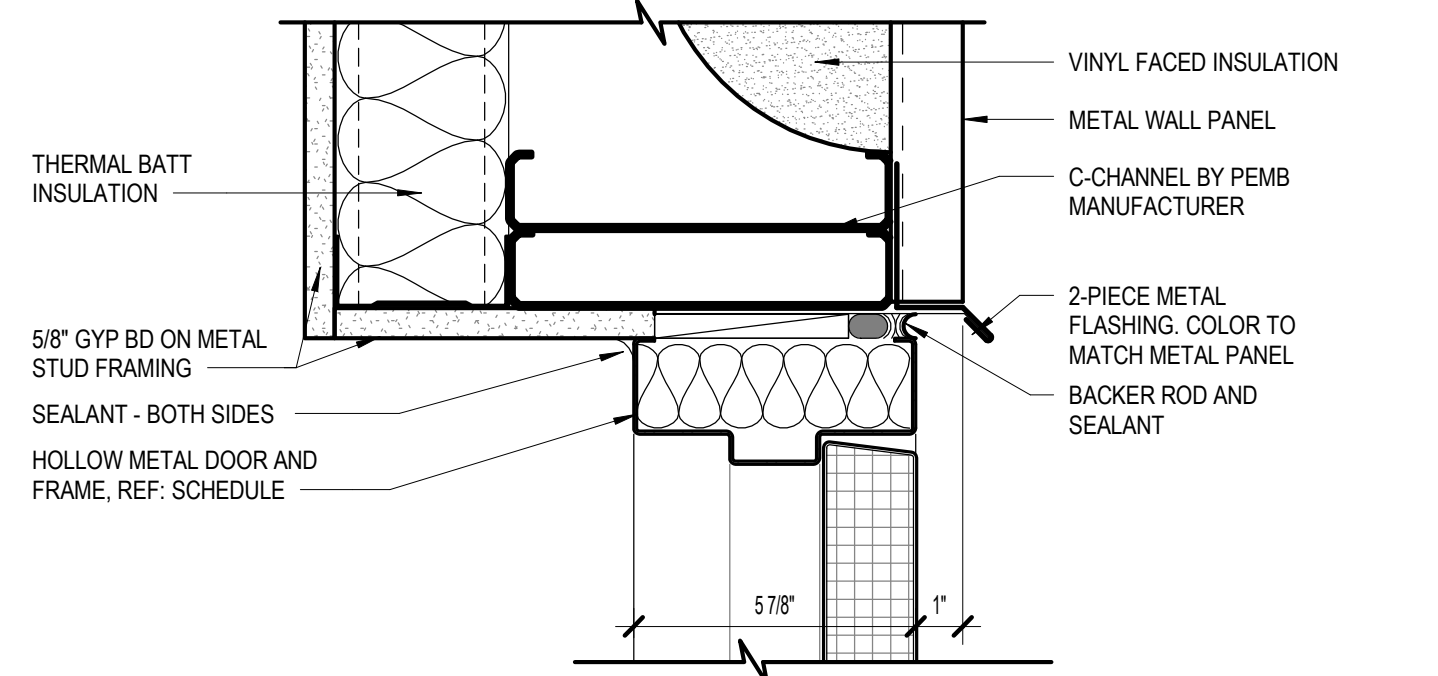
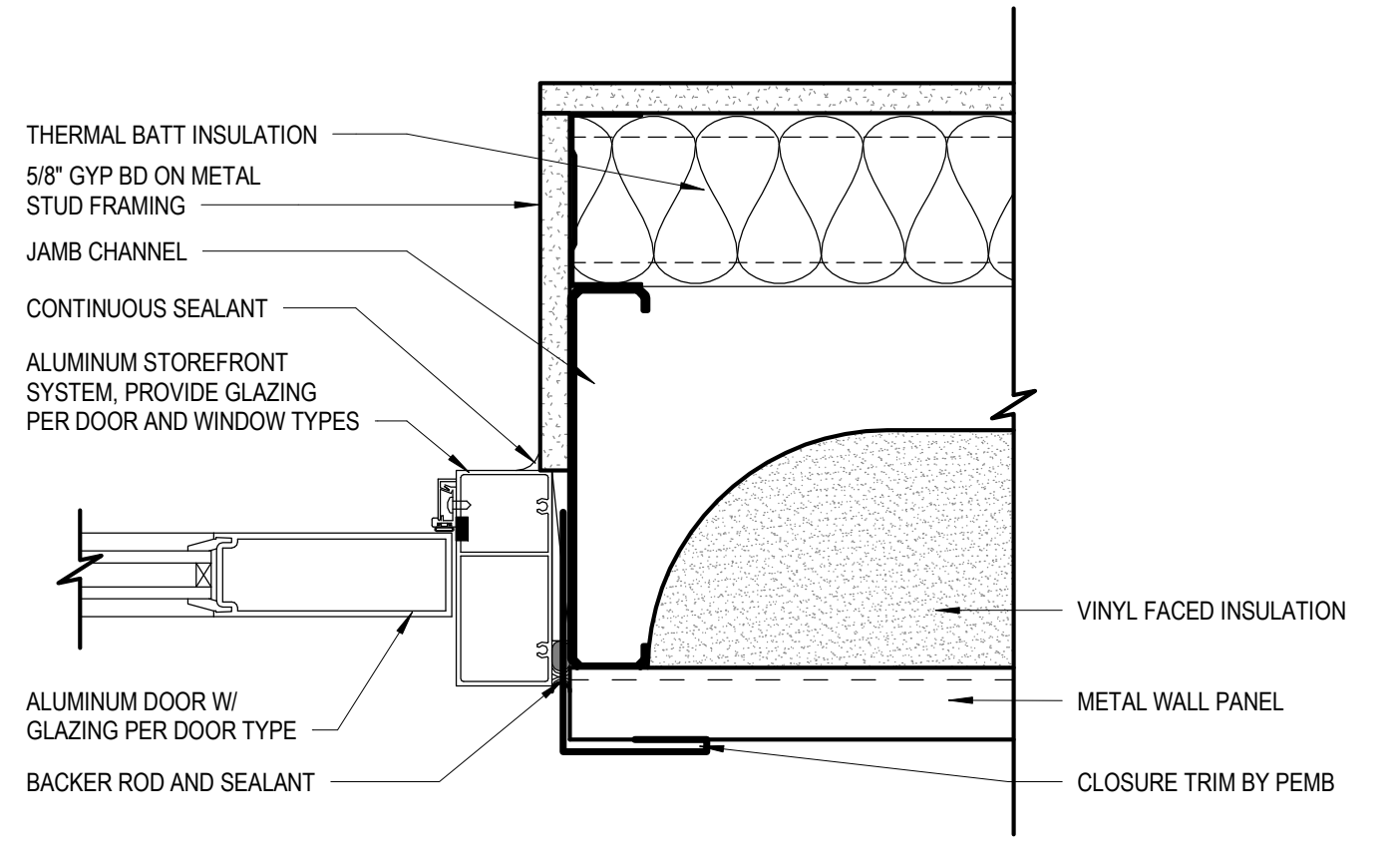
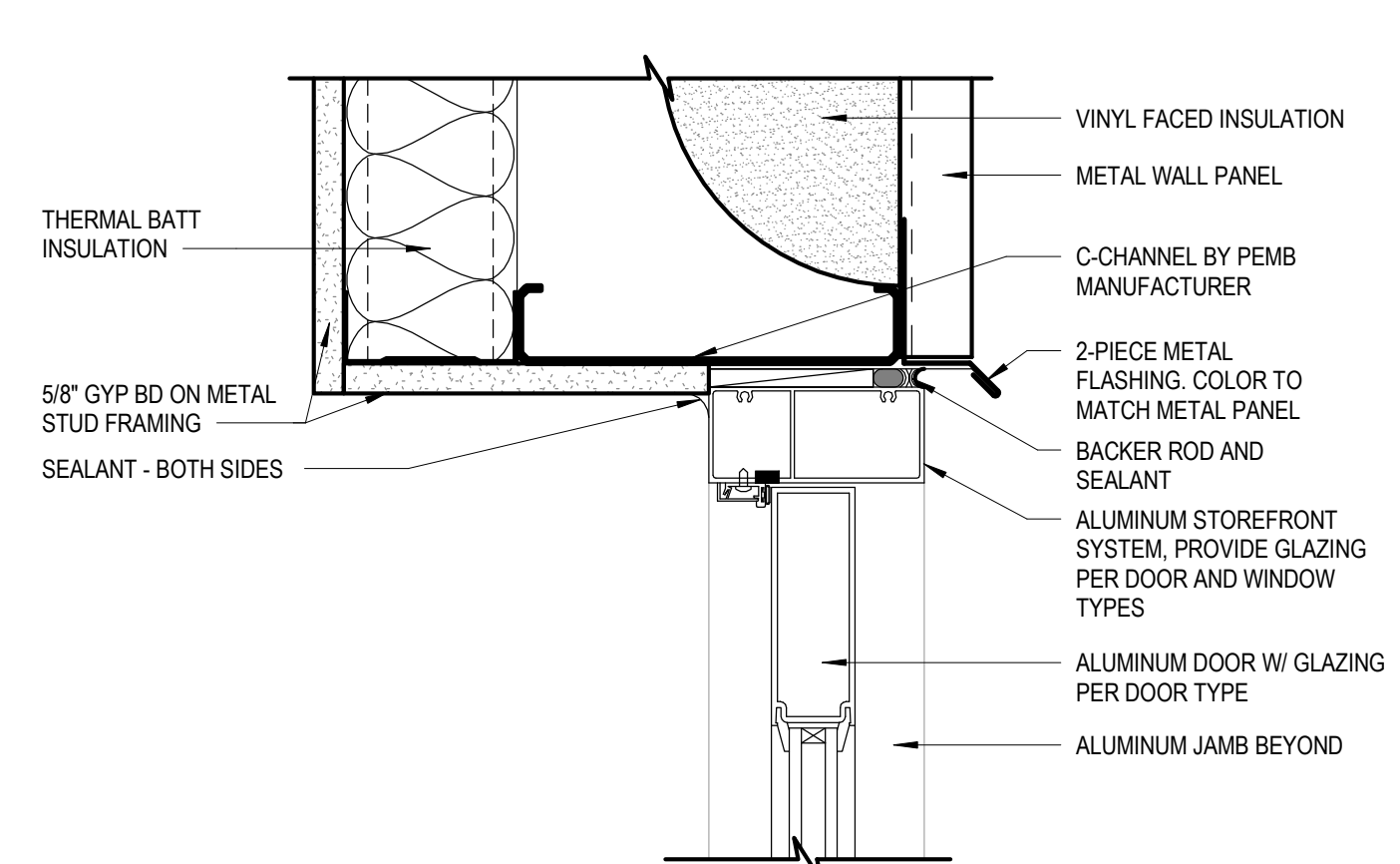


11 HEAD DETAIL AT VERT. MTL PANEL

1 1/2" = 1'-0"



NOTE:
 NEW DOOR HARDWARE TO MATCH EXISTING DOOR HARDWARE FINISH AND TRIM DESIGN. HARDWARE FUNCTIONS SHALL BE IN COMPLIANCE WITH APPLICABLE BUILDING CODE REQUIREMENTS INCLUDING FIRE RATED ASSEMBLIES WITH RATINGS AS SHOWN ON DOOR SCHEDULE HEREIN. COORDINATE NEW FIRE ALARM CONNECTIONS TO BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. VERIFY KEYING REQUIREMENTS WITH OWNER.



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CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS
 04.24.2023 REVISION 1

PARTITION TYPES

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
 CHKD BY: Checker

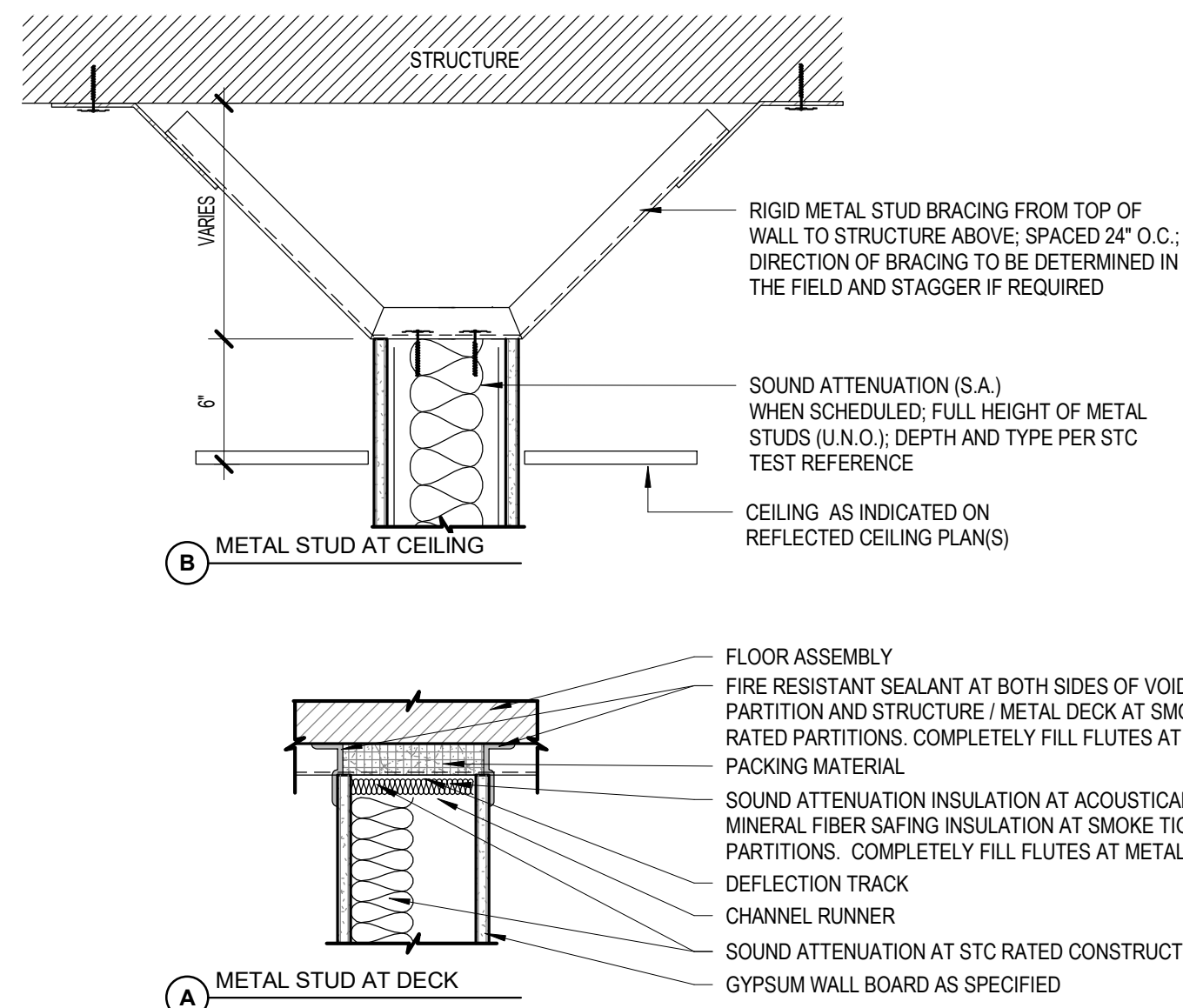
A602

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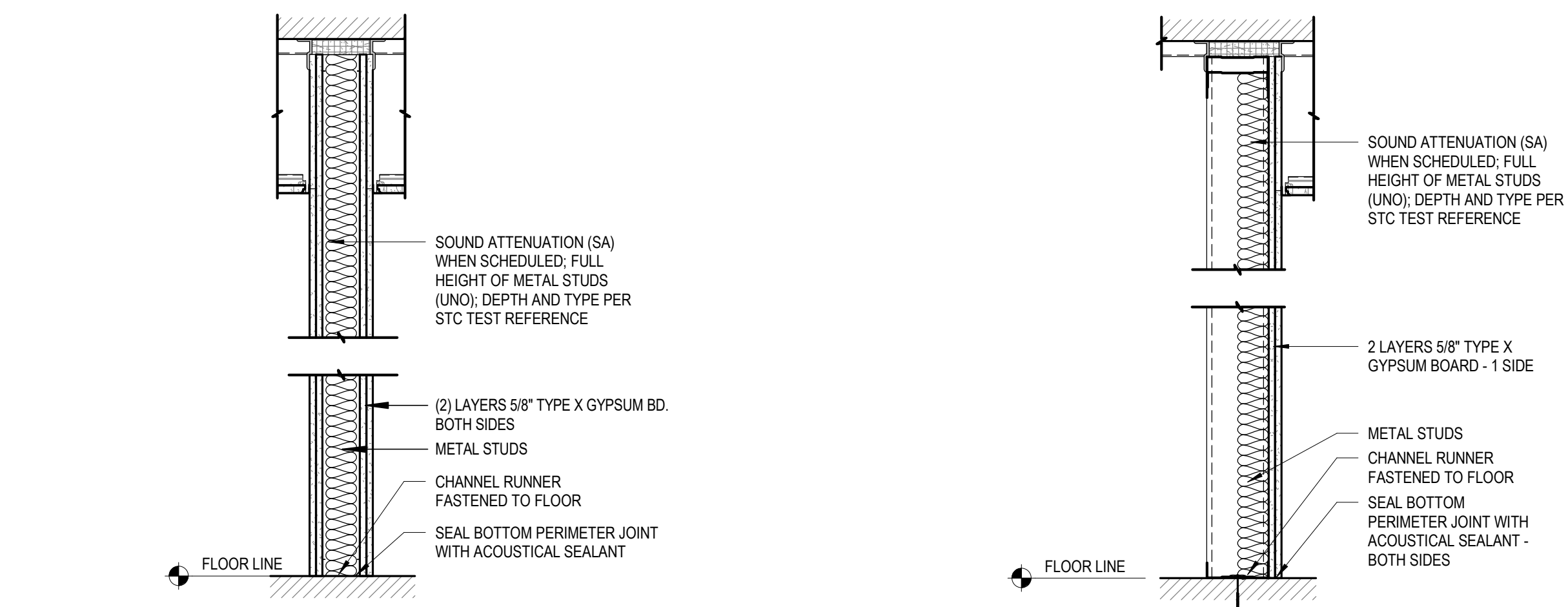
10.09.2023

GENERAL NOTES: PARTITION TYPES

- ALL PARTITIONS** SHALL EXTEND TO THE UNDERSIDE OF STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
- FIRE RATED PARTITIONS**
 - THROUGH PENETRATIONS SHALL BE FIRE STOPPED WITH A U.L. LISTED ASSEMBLY.
 - MEMBRANE PENETRATIONS (DEVICES AND BOXES) SHALL BE INSTALLED PER IBC SECTION 714 WITH U.L. LISTED MATERIALS.
 - TOP OF PARTITION SHALL BE CONTINUOUSLY SEALED WITH FIRE RESISTANT U.L. LISTED ASSEMBLIES AND MATERIALS.
 - STRUCTURAL STEEL FRAMING MEMBERS INTEGRAL WITH A PARTITION SHALL RECEIVE A U/L LISTED FIRE RATED ASSEMBLY TO ACHIEVE THE DESIGNATED FIRE RATING OF THE PARTITION. REFER TO IBC TABLE 721.1(1) FOR THE MINIMUM FINISHED REQUIRED FOR CONCRETE MASONRY UNIT PARTITIONS.
- SMOKE PARTITIONS:**
 - VOIDS AROUND PENETRATING ITEMS SHALL BE FILLED WITH U.L. LISTED MATERIAL TO LIMIT THE FREE PASSAGE OF SMOKE.
 - THE TOP OF PARTITION SHALL BE CONTINUOUSLY SEALED WITH U.L. LISTED MATERIAL TO LIMIT THE FREE PASSAGE OF SMOKE.
- ACOUSTIC PARTITIONS:**
 - THROUGH PENETRATIONS AND THE TOP AND BOTTOM PERIMETER OF ACOUSTIC PARTITIONS SHALL BE CONTINUOUSLY SEALED WITH ACOUSTIC SEALANT IN ACCORDANCE WITH U.L. LISTED ASSEMBLY.
 - MEMBRANE PENETRATIONS (DEVICES AND BOXES) SHALL BE SEALED WITH ACOUSTIC SEALANT AND/OR PUTTY PADS IN ACCORDANCE WITH U.L. LISTED ASSEMBLY.
 - ACOUSTICALLY RATED PARTITIONS TO ACHIEVE STC RATING OF 50 UNLESS NOTED OTHERWISE.
- GYPSON BOARD:**
 - AT CONTINUOUS PARTITIONS, PROVIDE HORIZONTAL AND VERTICAL CONTROL JOINTS AT A MAXIMUM OF 30 FEET INTERVALS AND AS REQUIRED / RECOMMENDED BY ASTM 840. VERIFY THE LOCATIONS OF ALL CONTROL JOINTS WITH THE ARCHITECT PRIOR TO PARTITION ASSEMBLY. REFER TO SPECIFICATION SECTION 092900 "GYPSON BOARD" FOR GYPSON BOARD TYPE SCHEDULE.
 - REFER TO PARTITION SCHEDULE FOR TYPICAL VERTICAL CONTROL JOINT DETAILS.

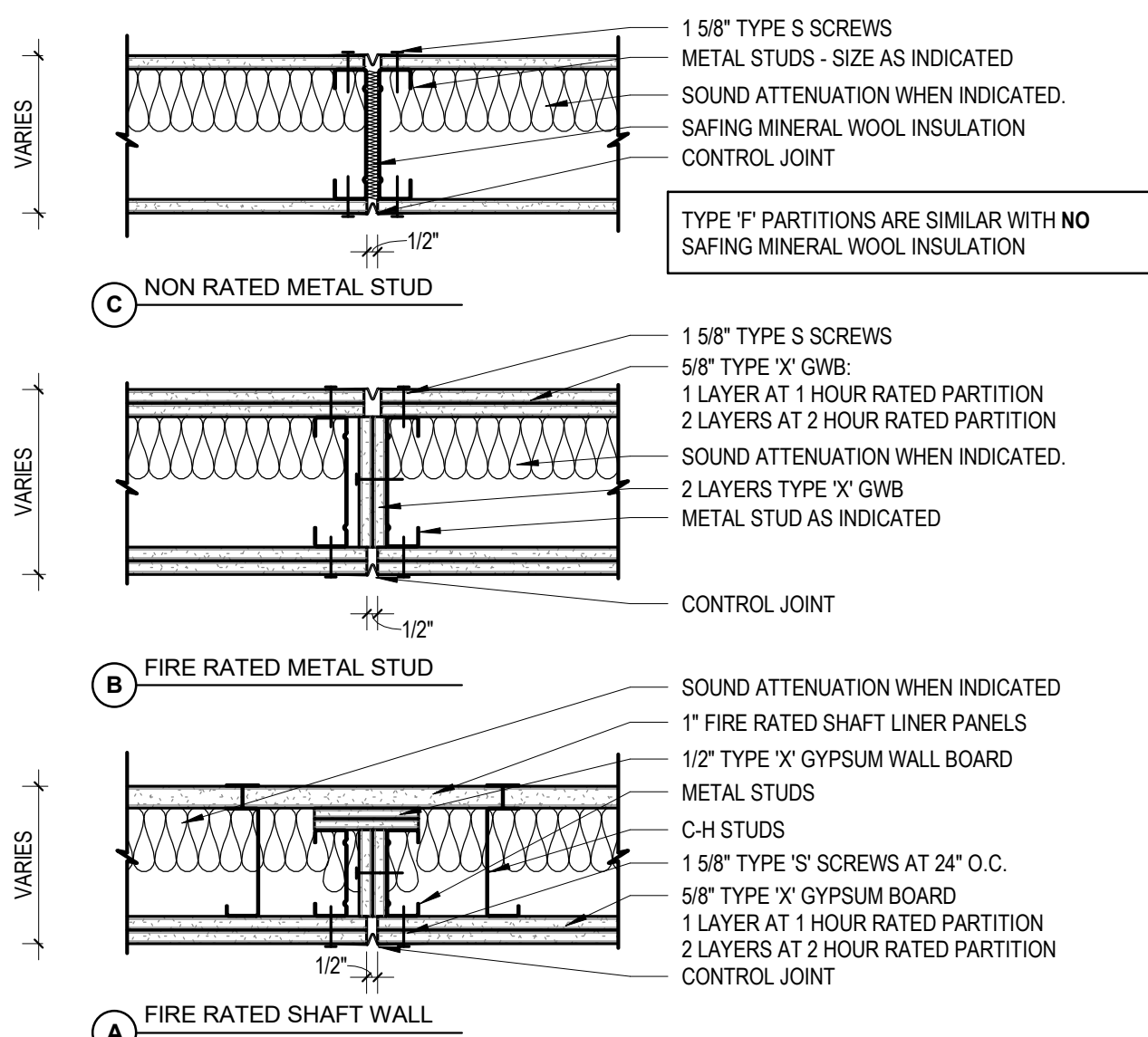


14 TYPICAL TOP OF PARTITION DETAILS AT STRUCTURE
 1 1/2" = 1'-0"

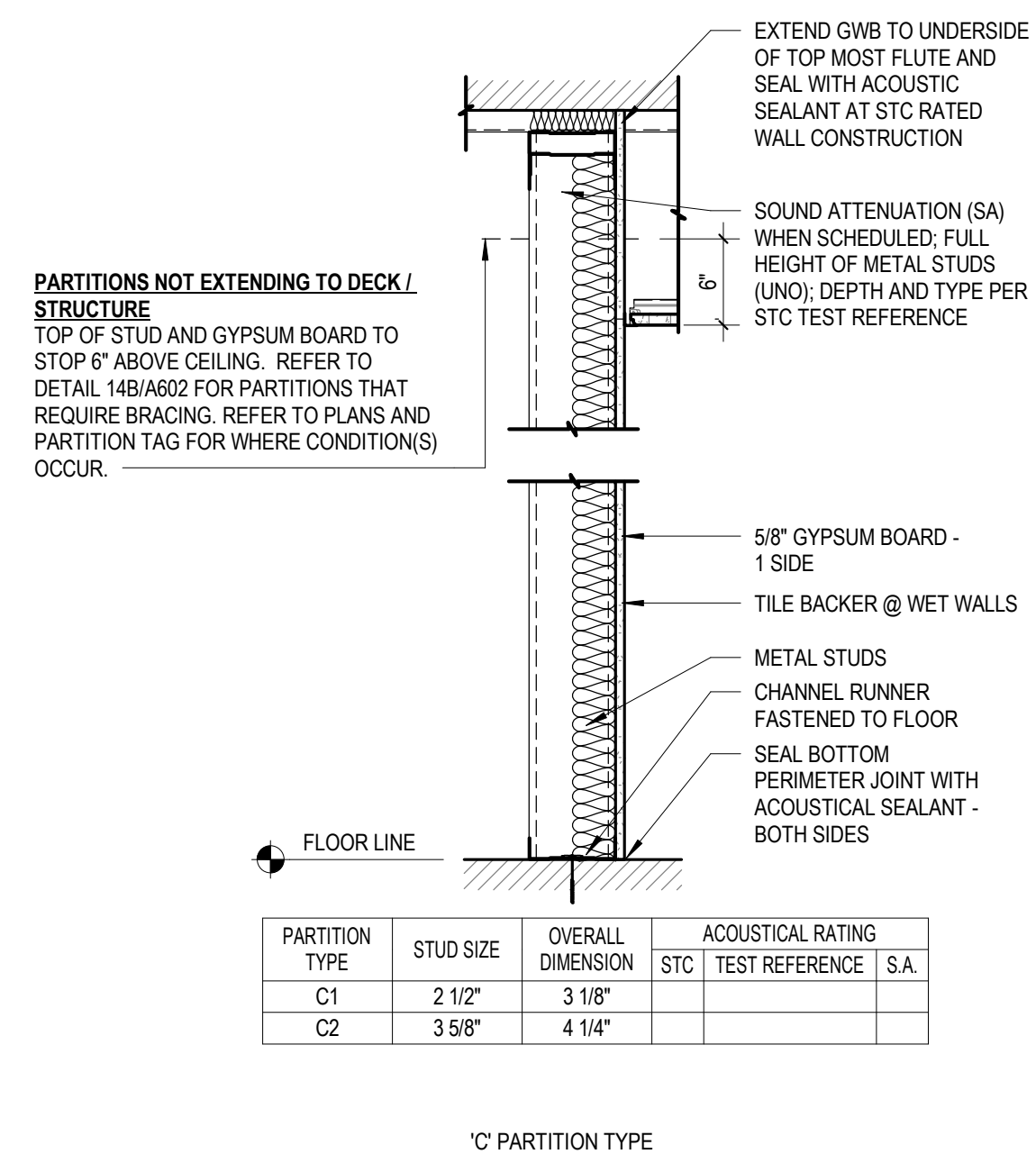


PARTITION TYPE	STUD SIZE	OVERALL DIMENSION	WHERE FIRE RATING IS INDICATED PROVIDE PER TEST BELOW		SMOKE/TIGHT	ACOUSTICAL RATING		
			RATING	DESIGN #		STC	TEST REFERENCE	S.A.
E1	6"	9 1/2"	2 HR	U419				

PARTITION TYPE	STUD SIZE	OVERALL DIMENSION	WHERE FIRE RATING IS INDICATED PROVIDE PER TEST BELOW		SMOKE/TIGHT	ACOUSTICAL RATING		
			RATING	DESIGN #		STC	TEST REFERENCE	S.A.
D1	3 5/8"	4 7/8"	1 HR	U419				



13 TYPICAL PARTITION CONTROL JOINTS
 1 1/2" = 1'-0"



PARTITION TYPE	STUD SIZE	OVERALL DIMENSION	WHERE FIRE RATING IS INDICATED PROVIDE PER TEST BELOW		SMOKE/TIGHT	ACOUSTICAL RATING		
			RATING	DESIGN #		STC	TEST REFERENCE	S.A.
C1	2 1/2"	3 1/8"						
C2	3 5/8"	4 1/4"						

PARTITION TYPE	STUD SIZE	OVERALL DIMENSION	WHERE FIRE RATING IS INDICATED PROVIDE PER TEST BELOW		SMOKE/TIGHT	ACOUSTICAL RATING		
			RATING	DESIGN #		STC	TEST REFERENCE	S.A.
B1	3 5/8"	4 7/8"	1 HR	U419				

PARTITION TYPE	STUD SIZE	OVERALL DIMENSION	WHERE FIRE RATING IS INDICATED PROVIDE PER TEST BELOW		SMOKE/TIGHT	ACOUSTICAL RATING		
			RATING	DESIGN #		STC	TEST REFERENCE	S.A.
A1	3 5/8"	4 7/8"						

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CONSTRUCTION SET
 10/09/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS
 09.01.2023 REVISION 3

SCHEDULES

JOB 2022.28
 ISSUE 10.09.2023
 DRAWN BY: Author
 CHKD BY: Checker

A603

SCALE 1/12" = 1'-0"

ROOM FINISH SCHEDULE BUILDING B

Room Number	Room Name	Floor Finish	Base Finish	WALLS				Ceiling Finish
				North Wall	East Wall	South Wall	West Wall	
FIRST FLOOR LEVEL								
101	CORRIDOR	CPT-1/LVT-1	WB-1	PT-1	PT-1	PT-1	PT-1	GYP-1
102	CORRIDOR	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	GYP-1
103	CLASSROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
104	CLASSROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
105	CLASSROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
106	CLASSROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1

ROOM FINISH SCHEDULE BUILDING C

Room Number	Room Name	Floor Finish	Base Finish	WALLS				Ceiling Finish
				North Wall	East Wall	South Wall	West Wall	
FIRST FLOOR LEVEL								
110	CORRIDOR	CPT-1/LVT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
111	STORAGE	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
112	JAN	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	GYP-1
113	MEN	T-2	T-1	T-1/PT-1	T-1/PT-1	T-1/PT-1	T-1/PT-1	GYP-1
114	WOMEN	T-2	T-1	T-1/PT-1	T-1/PT-1	T-1/PT-1	T-1/PT-1	GYP-1
120	CORRIDOR	CPT-1/LVT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
121	STORAGE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
122	STORAGE	CPT-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
123	MOTHERS ROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
123A	TOILET	T-1	T-1	T-1/PT-1	T-1/PT-1	T-1/PT-1	T-1/PT-1	GYP-1
124	QUIET ROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
125	CLASSROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
126	CLASSROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
127	CLASSROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
128	CLASSROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
130	MULTIPURPOSE	CPT-1/LVT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
131	CLASSROOM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
132	PLATFORM	CPT-1	WB-1	PT-1	PT-1	PT-1	PT-1	ACT-1
133	ELEC	SC-1	RB-1	PT-1	PT-1	PT-1	PT-1	ACT-1

FINISH & MATERIAL LEGEND

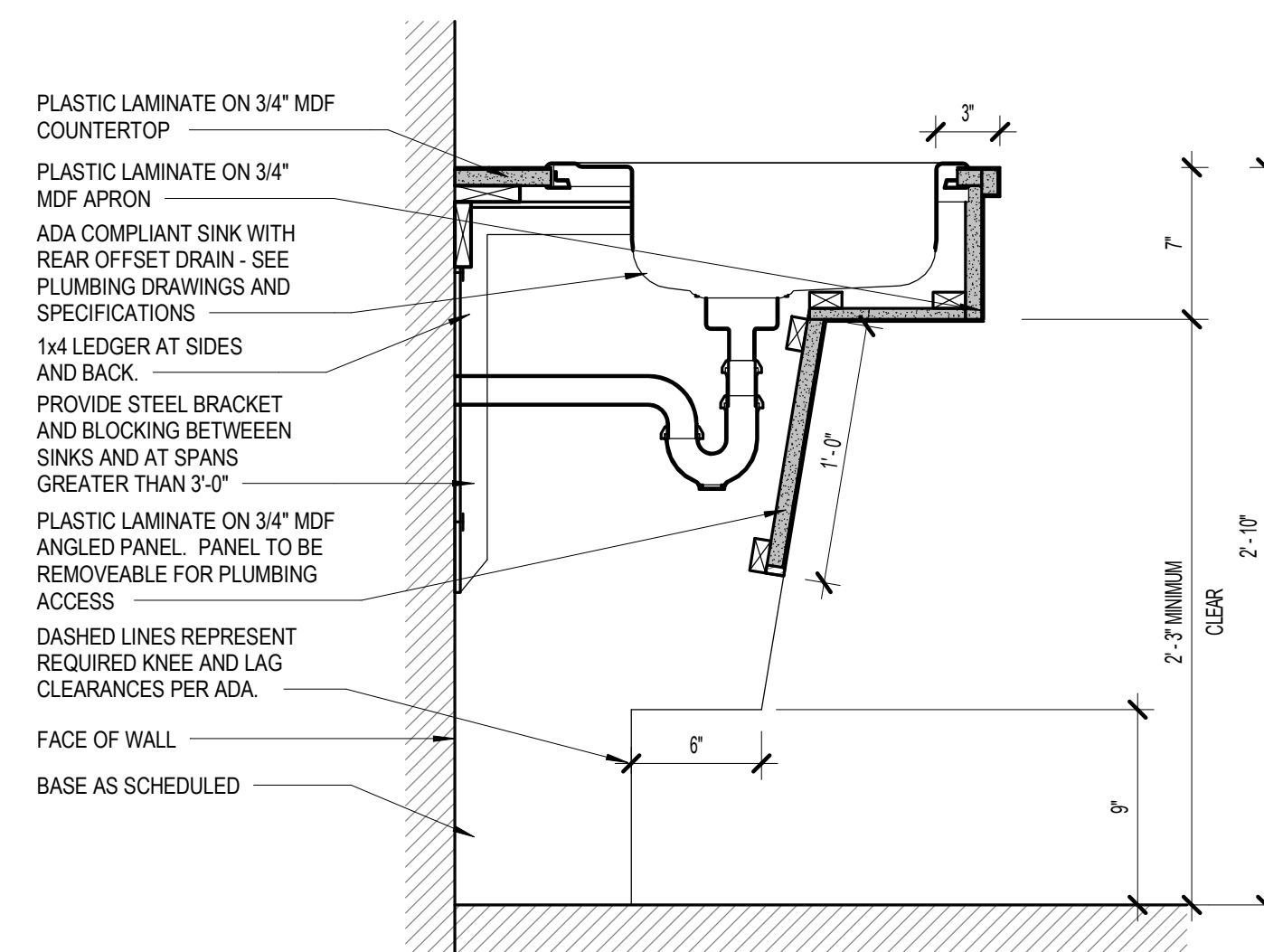
MARK	DESCRIPTION	COMMENTS
CARPET		
CPT-1	CARPET TO MATCH EXISTING	
RESILIENT FLOORING		
LVT-1	LVT - MATCH EXISTING	
TRANSITION STRIPS		
TR-1	TRANSITION - MATCH EXISTING	
SEALED CONCRETE		
SC-1	SEALED CONCRETE	
BASE		
RB-1	RUBBER BASE - MATCH EXISTING	
WB-1	WOODBASE - MATCH EXISTING	
TILE		
T-1	TILE - MATCH EXISTING	
T-2	TILE - MATCH EXISTING	
CEILING		
ACT-1	ACT & GRID - MATCH EXISTING	
GYP-1	GYPSUM BOARD CEILINGS - MATCH EXISTING	
PAINT		
PT-1	PAINT - MATCH EXISTING	
PLASTIC LAMINATE		
PL-1	PLASTIC LAMINATE - MATCH EXISTING	
WOOD TRIM		
WD-1	WOOD TRIM - MATCH EXISTING	
STAIN		
ST-1	STAIN - MATCH EXISTING	

SPECIALTIES SCHEDULE

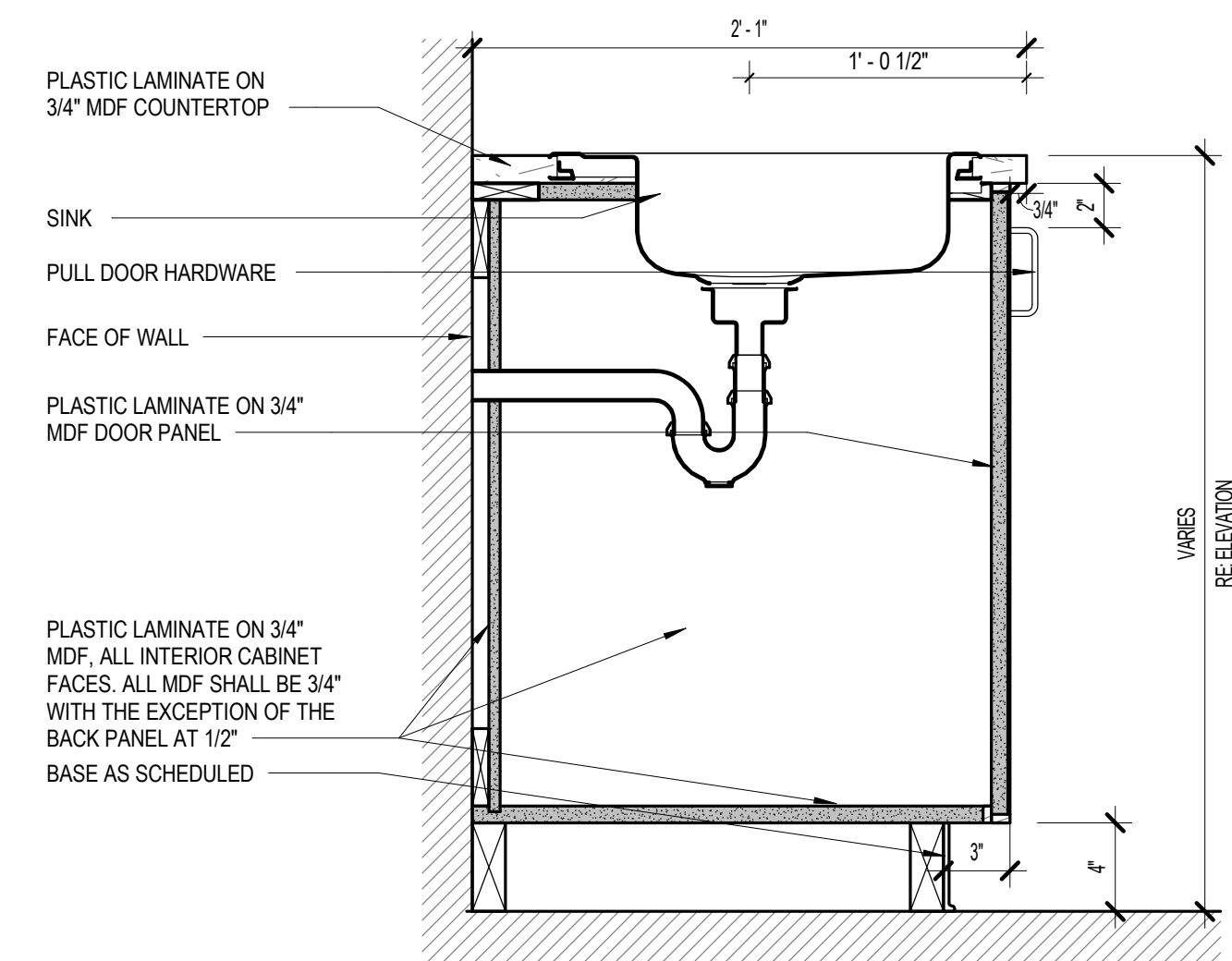
MARK	DESCRIPTION	MANUFACTURER	PRODUCT NO.	DIMENSIONS	FINISH
BCS	BABY CHANGING STATION	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
GB18	18" GRAB BAR	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
GB36	36" GRAB BAR	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
GB42	42" GRAB BAR	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
M1	MIRROR	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
SD1	SOAP DISPENSER	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
SN1	SANITARY NAPKIN DISPOSAL	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
TD1	TOWEL DISPENSER	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.
TTD1	TOILET TISSUE DISPENSER	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.	MATCH EXIST.

INTERIORS / FINISHES NOTES

- REFER TO NORTH DIRECTIONAL ARROWS ON PLANS.
- HOLLOW METAL DOORS FRAMES & INTERIOR WINDOW FRAMES (NEW & EXISTING) SHALL BE PAINTED TO MATCH EXISTING.
- ALL FINISHES IN EXITS SHALL BE CLASS A RATED. ALL FINISHES IN CORRIDORS SHALL BE CLASS A OR CLASS B RATED.
- THE FOLLOWING SHALL BE PAINTED UNLESS OTHERWISE STATED:
 - ELECTRICAL CONDUIT, AND WIRE MOLDING IN FINISHED AREAS.
 - EXPOSED DUCTWORK IN FINISHED AREAS.
 - EXPOSED BEAMS, JOISTS, DECK, AND COLUMNS IN FINISHED AREAS.
 - INTERIOR LINTELS
 - INTERIOR HANDRAILS & GUARDRAILS
- EXPOSED CEILINGS SHALL BE PAINTED TO MATCH EXISTING
- REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL WALL FINISH INFORMATION.

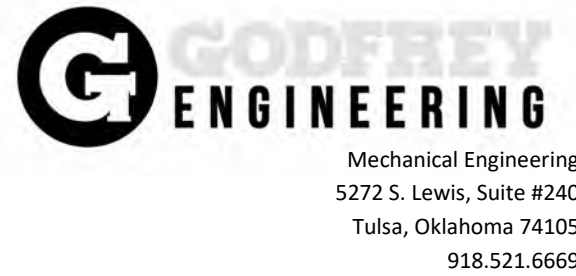


2 BASE COUNTER WITH ADA SINK
 1 1/2" = 1'-0"



1 BASE CABINET WITH SINK
 1 1/2" = 1'-0"

CONSULTANT:



GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE 2018 EDITION OF THE INTERNATIONAL MECHANICAL CODE AND NFPA 90A TO MEET CITY AND STATE REQUIREMENTS.
- REFER TO ARCHITECTURAL PLANS FOR:
 - REFLECTED CEILING PLAN FOR EXACT LOCATION OF AIR DEVICES AND CEILING TYPES
 - EXACT LOCATIONS AND MOUNTING HEIGHTS OF EXTERIOR LOUVERS
 - FIRE RATED WALLS AND PARTITIONS. PROVIDE FIRE DAMPERS IN DUCT PENETRATIONS OF ALL FIRE RATED WALLS AND PARTITIONS AS NECESSARY TO MEET CITY AND STATE REQUIREMENTS.
 - ALL WALL AND ROOF PENETRATIONS AND EQUIPMENT MOUNTING DETAILS.
- ALL DUCT DIMENSIONS REPRESENT INSIDE NET FREE AREA. INCREASE DUCT DIMENSIONS AS REQUIRED WHERE INTERNAL LINER IS SPECIFIED.
- ALL DUCTWORK SHALL CONSTRUCTED FROM GALVANIZED STEEL IN CONFORMANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS" LATEST EDITION.
- U.L. LISTED FLEXIBLE DUCT RUN-OUTS MAY BE USED, BUT SHALL NOT EXCEED 6'-0" IN LENGTH. ALL FLEXIBLE DUCT TO BE PROPERLY SUPPORTED WITH NO KINKS OR HARD BENDS. ELBOWS TO HAVE AN R/D NOT LESS THAN 1.0.
- DUCT FITTINGS:
 - SUPPLY TAKE-OFFS TO CEILING SUPPLY DIFFUSERS TO BE CONICAL TAP.
 - ALL DUCT RUN-OUTS TO HAVE LOCKING QUADRANT VOLUME DAMPERS
 - ALL 90° ROUND ELBOWS TO HAVE R/D=1.5 (UNLESS OTHERWISE NOTED.)
 - ALL 90° RECTANGULAR ELBOWS TO HAVE TURNING VANES (UNLESS OTHERWISE NOTED.)
 - PROVIDE HARD ELBOW WHEN TRANSITIONING FROM RIGID TO FLEXIBLE DUCT WHEN CONNECTING TO AIR DEVICES. REFER TO DETAIL.
- ALL MAJOR BRANCH DUCTS SHALL HAVE BALANCING DAMPERS WITH LOCKING DEVICE FOR AIR BALANCE OF THE DUCT SYSTEM.
- ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTS SHALL BE INTERNALLY LINED WITH 1" DUCT LINER WHILE INSIDE THE MECHANICAL ROOM OR WHEN ROUTED EXPOSED (UNLESS OTHERWISE NOTED.) INCREASE SHEETMETAL DIMENSIONS ON INTERIOR LINED DUCTWORK TO ACCOUNT FOR LINER THICKNESS.
- ALL SUPPLY, RETURN, AND OUTSIDE AIR DUCTS SHALL BE EXTERNALLY WRAPPED WITH 2" FIBERGLASS WITH FOIL-SCRIM-KRAFT VAPOR BARRIER WERE LOCATED IN CONCEALED LOCATIONS (UNLESS OTHERWISE NOTED).
- COMPLETELY INSULATE THE TOPS OF ALL CEILING DIFFUSERS.
- WHERE MANUAL DAMPERS ARE INSULATED IN EXTERNALLY INSULATED DUCTWORK, PROVIDE 2" STAND-OFF BRACKET WITH QUADRANT INDICATOR TO PREVENT COMPRESSION OF INSULATION BY DAMPER OPERATOR HANDLE.
- DUCTWORK TO BE COORDINATED WITH STRUCTURAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION, COMPONENTS AND SYSTEMS. ALL DUCTWORK THAT HAS TO BE OFFSET DUE TO AN OBSTRUCTION SHALL BE SLOPED WITH (2) 45° ELBOWS UNLESS OTHERWISE NOTED.
- MECHANICAL CONTRACTOR TO CHECK TIGHT CLEARANCES AT EQUIPMENT, LIGHTS, AND STRUCTURAL MEMBERS. ADJUST DUCT SIZE OR REROUTE DUCT TO CLEAR OBSTRUCTIONS WITH MINIMUM NUMBER OF ELBOWS AND ELEVATION CHANGES.
- ALL DIFFUSER AND AIR DEVICE LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL AND ELECTRICAL ITEMS PRIOR TO FABRICATION.
- PROVIDE ACCESS PANELS IN CEILINGS OTHER THAN LAY-IN TYPE WHERE NECESSARY:
 - PROVIDE ACCESS PANEL AT BALANCING DAMPERS
 - CLOSELY COORDINATE LOCATIONS AND SIZE OF ACCESS PANELS WITH INSTALLED EQUIPMENT TO ACHIEVE GREATEST ACCESSIBILITY FOR MAINTENANCE PURPOSES.
- CLOSELY COORDINATE LOCATIONS OF INSTALLED EQUIPMENT TO ACHIEVE THE GREATEST ACCESSIBILITY.
- MAINTAIN 10'-0" MINIMUM CLEARANCE BETWEEN OUTSIDE AIR INTAKES AND ALL EXHAUST FANS, FLUES, PLUMBING VENTS, ETC. WHERE HORIZONTAL DISTANCE CANNOT BE PROVIDED, EXTEND FLUE VENTS MINIMUM 2'-0" ABOVE OUTSIDE AIR INTAKES.
- CURB AND ROOF OPENING EXACT DIMENSIONS SHALL BE DETERMINED BY UNIT MANUFACTURER. COORDINATE WITH STRUCTURAL REQUIREMENTS. MOUNT TOP OF CURB LEVEL. VERIFY ROOF SLOPE AND FABRICATE CURB ACCORDINGLY. ROOF STRUCTURE MAY VARY. REFER TO ARCHITECTURAL/STRUCTURAL DRAWINGS FOR DETAILS.
- PROVIDE FLEXIBLE CONNECTIONS AT INLETS AND OUTLETS OF ALL AIR HANDLING UNITS, MAKE-UP AIR UNITS, FURNACES, AND/OR EXHAUST FANS.
- PROVIDE 4" CONCRETE PADS UNDER ALL GROUND MOUNTED CONDENSING UNITS. EACH PAD TO EXTEND A MINIMUM OF 6" BEYOND OUTLINE OF UNIT ON ALL SIDES.
- ATTIC MOUNTED AND ABOVE CEILING MOUNTED EQUIPMENT SUBJECT TO WATER/CONDENSATE OVER FLOW SHALL BE SET IN DRAIN PANS WITH DRAINS TO THE OUTSIDE OR SANITARY SEWER SYSTEM WITH VISIBLE DISCHARGE.
- SUPPORT ALL REFRIGERANT AND CONDENSATE PIPING ON ROOF PER DETAIL.
- CONDENSATE PIPING SHALL BE COMPRISED OF TYPE "M" DWV COPPER, OR SCHEDULE 40 PVC. (SLOPE AT 1/8" PER FOOT). SECURE BY GUIDES AND SUPPORTS FOR PIPE SIZE SHOWN. NO DRAIN LINES SMALLER THAN 1". DRAINS SHALL BE P-TRAPPED AND INSULATED IF INSTALLED INSIDE. P-TRAPS SHALL BE AS DEEP AS THE TOTAL PRESSURE OF THE UNIT PLUS 1". REFER TO APPROPRIATE DETAILS ON THE PLANS.
- INSTALL AND SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS. REFRIGERANT PIPING SHALL BE HARD DRAWN COPPER, TYPE "L" (DEGREASED). SOFT COPPER WILL BE PERMITTED WHEN SLEEVING BELOW GRADE OR INSTALLING IN THE WALL TO ELIMINATE FITTINGS.
- PROVIDE PROTECTIVE ARMAFLEX COATING ON EXTERIOR INSULATED REFRIGERANT LINES.
- PROVIDE APPROVED, NON-FLAMMABLE PIPE INSULATION ON ALL INSULATED PIPES AND PIPES OF PVC MATERIAL PASSING THRU AREAS OF BUILDING WITH RETURN AIR PLENUMS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
- COORDINATE GAS REQUIREMENTS WITH PLUMBING CONTRACTOR.
- ALL ELECTRICAL WORK TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.
- ALL REQUIRED MOTOR STARTERS FOR HVAC EQUIPMENT SHALL BE FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.
- ALL MECHANICAL EQUIPMENT SHALL BE LABELED WITH 1" HIGH BLACK BAKELITE LABEL SECURED TO THE EQUIPMENT WITH 5/8" HIGH WHITE LETTERS. LABEL SHALL CORRESPOND TO THE IDENTIFICATION ON THE PLANS.
- THERMOSTATS TO BE MOUNTED 4'-6" ABOVE FINISHED FLOOR, MAX.
- THERMOSTAT WIRING SHALL BE PERFORMED BY MECHANICAL CONTRACTOR. ALL TERMINATION'S SHALL BE PROPERLY FINISHED

- INSTALLATION AND MAINTENANCE: SPACE REQUIREMENTS FOR MECHANICAL EQUIPMENT AND SYSTEMS HAVE BEEN DESIGNED PER BASIS-OF-DESIGN MANUFACTURER(S) SPECIFIED IN SCHEDULE. CONTRACTOR IS RESPONSIBLE FOR ANY MODIFICATIONS REQUIRED AS A RESULT OF USING PROPERLY SUBMITTED AND ACCEPTED "EQUAL" SUBSTITUTIONS AT NO ADDITIONAL COST.
- WHERE CONFLICTS OCCUR BETWEEN PLANS AND SPECIFICATIONS, VERIFY WITH ARCHITECT/ENGINEER FOR CLARIFICATIONS.
- ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRIC RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTINGS, OR COMPONENT. CONTRACTOR SHALL NOT SCALE DRAWINGS. INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, VICE-VERSA, SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) IF INFORMATION CONFLICTS. DRAWINGS SPECIFIC TO DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF THE WORK REQUIRED BY CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND OTHER DRAWINGS FOR COMPLETE INFORMATION.
- BY NECESSITY, THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS. THE SELECTION OF WHICH HAS IMPACTED THE DESIGNS OF OTHER TRADES (PLUMBING, ELECTRICAL, STRUCTURAL, ETC.) IF ALTERNATE MANUFACTURERS, FUEL SOURCES, SIZES, OR MODEL NUMBERS ARE SUBMITTED OR BID, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO COORDINATE ALL DIFFERENCES PRIOR TO BID OR INSTALLATION, AT THE CONTRACTOR'S OPTION.
- EXCEPT WHERE MODIFIED BY SPECIFIC NOTATION TO THE CONTRARY, IT SHALL BE UNDERSTOOD THAT THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS OR BOTH, CARRIES WITH IT THE INSTRUCTIONS TO FURNISH AND INSTALL THE ITEMS, REGARDLESS OF WHETHER OR NOT THIS INSTRUCTION IS EXPLICITLY STATED AS PART OF THE INDICATED OR DESCRIPTION.
- THE CONTRACTOR SHALL VISIT SITE AND VERIFY CONDITIONS PRIOR TO BIDDING.
- RECORD DRAWINGS: INDICATE ACTUAL ROUTING, FITTING DETAILS, REINFORCEMENT SUPPORT, AND INSTALLED ACCESSORIES AND DEVICES.
- FOR ALL MECHANICAL EQUIPMENT, TRANSITION DISTRIBUTION DUCTWORK TO THE ACTUAL EQUIPMENT CONNECTION OPENINGS. VERIFY WITH ACTUAL APPROVED EQUIPMENT SUBMITTAL DRAWINGS.
- A DUCT MOUNTED PHOTOELECTRONIC TYPE SMOKE DETECTOR SHALL BE MOUNTED IN THE RETURN DUCTS, BEFORE THE FIRST TAKEOFF. PROVIDE AN ACCESS DOOR AT EACH DETECTOR. UPON DETECTION OF SMOKE, THE DUCT DETECTOR SHALL SHUT DOWN ITS ASSOCIATED UNIT AND PROVIDE A SIGNAL TO THE FIRE ALARM SYSTEM. SMOKE DETECTORS TO BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR AND MOUNTED BY THE MECHANICAL CONTRACTOR.
- PROVIDE FIRE DAMPERS IN DUCTWORK PASSING THRU ALL FIRE RATED ASSEMBLIES AS REQUIRED PER AUTHORITY HAVING JURISDICTION. PROVIDE SMOKE DAMPERS IN DUCTWORK PASSING THROUGH SMOKE BARRIERS AS REQUIRED PER AUTHORITY HAVING JURISDICTION. FIRE AND SMOKE DAMPERS SHALL BE OF EQUAL RATING AS THE WALL THEY PROTECT.
- ALL FIRE AND SMOKE DAMPERS TO BE ACCESSIBLE. INSTALL ACCESS DOORS IN DUCTS, WALLS, CEILINGS, AND SOFFITS WHERE REQUIRED.
- SLEEVE AND SEAL ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED AND NON-RATED SLABS AND PARTITIONS.
- ALL AIR DEVICES IN RATED CEILINGS SHALL HAVE RADIATION DAMPERS AND THERMAL BLANKETS.
- CONTRACTOR SHALL VERIFY EXISTING SITE CONDITIONS INCLUDING, BUT NOT LIMITED TO:
 - PIPE SIZES AND ROUTING
 - DUCT SIZES AND ROUTING
 - EQUIPMENT CONNECTIONS AND LOCATIONS
 - CONTROLS
 PROVIDE NECESSARY MODIFICATIONS TO NEW AND EXISTING SYSTEMS TO FACILITATE THE INSTALLATION OF NEW SYSTEMS AND INTERFACE OF EXISTING AND NEW SYSTEMS COMPLETE.
- EXISTING SYSTEMS AND INFORMATION SHOWN ON THESE PLANS WERE DEVELOPED USING EXISTING BUILDING DRAWINGS. CONTRACTORS SHALL VERIFY AT SITE ALL EXISTING SYSTEMS. REMOVE ALL PORTIONS OF DUCT AND PIPING SYSTEMS BEING REMOVED OR ABANDONED. TERMINATE EXISTING SYSTEMS ABOVE CEILING AND BELOW FLOOR SLABS IN A MANNER THAT WILL NOT CONFLICT WITH NEW WORK. CLOSELY COORDINATE NEW WORK WITH EXISTING SYSTEMS. PROVIDE OFFSETS IN EXISTING AND NEW SYSTEMS AS REQUIRED TO AVOID CONFLICTS.
- COORDINATE AND SCHEDULE ALL CONNECTIONS TO EXISTING SYSTEMS AND SYSTEM SHUT-DOWNS WITH MAINTENANCE PERSONNEL.
- MAINTAIN EXISTING BUILDING SYSTEMS WITH PHASED DEMOLITION AND INSTALLATION OF NEW WORK, PROVIDING TEMPORARY SERVICES AS REQUIRED.
- REMOVE AND RELOCATE SMALL CONDUIT, CABLE, PIPE AND DUCT, AND CEILING HANGERS ETC. AS NECESSARY TO ACHIEVE A COMPLETE INSTALLED MECHANICAL SYSTEM AS SHOWN ON DRAWINGS.
- PATCH ALL WALLS, FLOORS, ROOFS, AND CEILINGS TO MATCH EXISTING OR NEW (IF APPLIED) FOR ALL OPENINGS CREATED BY DEMOLITION WORK OF EQUIPMENT AND HVAC SERVICE PENETRATIONS.
- REPLACE AND/OR PATCH TO MATCH EXISTING. ANY EXISTING PIPE AND/OR DUCT INSULATION THAT IS TO REMAIN EXISTING AND IS DAMAGED OR REMOVED DURING CONSTRUCTION.
- REFER TO PLUMBING AND ELECTRICAL PLANS FOR EXTENT OF DEMOLITION WORK RELATING TO GAS PIPING AND WIRING FOR SUPPORT OF HVAC EQUIPMENT TO BE REMOVED.

LEGEND

(NOTE: ALL SYMBOLS MAY NOT BE USED)

	24"x24" CEILING SUPPLY DIFFUSER
	24"x24" CEILING RETURN GRILLE
	24"x24" CEILING EXHAUST DIFFUSER
	12"x12" CEILING SUPPLY DIFFUSER
	12"x12" CEILING RETURN GRILLE
	12"x12" CEILING EXHAUST DIFFUSER
	SIDEWALL GRILLE
	SIDEWALL TRANSFER GRILLE
	DOOR TRANSFER GRILLE
	SLOT DIFFUSER
	ROUND DIFFUSER
	EXISTING DUCTWORK OR EQUIPMENT
	EXISTING DUCTWORK OR EQUIPMENT TO BE REMOVED
	RECTANGULAR DUCT W/TURNING VANES
	RECTANGULAR DUCT TO ROUND DUCT TRANSITION
	RECTANGULAR SUPPLY DUCT, ELBOW UP
	RECTANGULAR SUPPLY DUCT, ELBOW DOWN
	RECTANGULAR RETURN OR EXHAUST DUCT, ELBOW UP
	RECTANGULAR RETURN OR EXHAUST DUCT, ELBOW DOWN
	ROUND OR OVAL DUCT, ELBOW UP
	ROUND OR OVAL DUCT, ELBOW DOWN
	DUCTWORK ROUTED DOWN AND UNDER
	DUCTWORK ROUTED UP AND OVER
	SPLITTER DAMPER W/TURNING VANES
	VOLUME DAMPER W/LOCKING QUADRANT
	OPPOSED BLADE DAMPER
	MOTORIZED, OPPOSED BLADE DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	DUCT MOUNTED SMOKE DETECTOR
	THERMOSTAT MOUNTED 46" A.F.F. TEMPERATURE SENSOR MOUNTED 46" A.F.F.
	REMOTE THERMOSTAT MOUNTED 46" A.F.F.
	HUMIDISTAT MOUNTED 46" A.F.F. CARBON DIOXIDE SENSOR MOUNTED 46" A.F.F.
	CARBON MONOXIDE SENSOR MOUNTED 46" A.F.F.
	DUCT PRESSURE SENSOR
	WALL SWITCH MOUNTED 46" A.F.F.
	CONNECT TO EXISTING AT THIS POINT
	POINT OF DEMOLITION
	KEY NOTE
	DEMOLITION KEY NOTE
	REVISION SYMBOL
	DIFFUSER DESIGNATION = DIFFUSER ID PER SCHEDULE DIFFUSER CFM
	CONDENSATE DRAIN LINE

CONSTRUCTION SET
10/12/2023

**PRYOR CREEK
MENNONITE
CHURCH**

1919 W. 470
PRYOR, OK 74361

REVISIONS

**HVAC LEGEND AND
GENERAL NOTES**

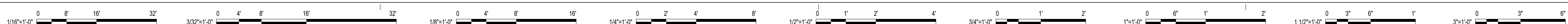
JOB 2022.28
 ISSUE 10/12/2023
 DRAWN BY: RHG
 CHK'D BY: RHG

M-001

SCALE 1/2" = 1'-0"



10/12/2023



MECHANICAL SPECIFICATIONS

DIVISION 23 – HEATING, COOLING, VENTILATING

PART 1 - GENERAL

- A. FURNISHING LABOR, MATERIALS, EQUIPMENT AND SERVICES REQUIRED AS SHOWN ON THE DRAWINGS AND SPECIFIED IN DIVISION 23.
- B. ALL WORK SHALL BE COMPLETE AND SHALL BE LEFT IN OPERATION CONDITION.
- C. INCLUDE ALL PARTS AND LABOR WHICH ARE INCIDENTAL AND NECESSARY FOR A COMPLETE AND OPERABLE INSTALLATION EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS.
- D. ARRANGE WITH APPROPRIATE UTILITY COMPANIES TO PROVIDE TEMPORARY AND PERMANENT UTILITY SERVICES AS REQUIRED AND COORDINATE THEIR INSTALLATION WITH CONSTRUCTION PROGRESS OF THE THIS PROJECT. PAY ALL FEES AND COSTS CHARGED BY UTILITY COMPANIES FOR UTILITY SERVICES.
- E. OBTAIN ALL TEMPORARY AND PERMANENT PERMITS AND LICENSES REQUIRED IN CONNECTION WITH THIS DIVISION'S WORK. PAY ALL FEES AND EXPENSES REQUIRED FRO SUCH PERMITS AND LICENSES.
- F. REQUEST INSPECTIONS AS REQUIRED BY REGULATING AGENCIES AND/OR REGULATIONS. PAY ALL CHARGES FOR INSPECTIONS BY REGULATING AGENCIES OF INSTALLATIONS OF PLANS SPECIFICATIONS.
- G. PROVIDE THE OWNER WITH A CERTIFICATE OF FINAL INSPECTION AND APPROVAL BY ENFORCEMENT AUTHORITIES.
- H. MEET OR EXCEED ALL CURRENT APPLICABLE CODES AND REGULATIONS FOR ALL INSTALLATIONS. PROMPTLY NOTIFY THE ENGINEER, IN WRITING, IF THE CONTRACT DOCUMENTS APPEAR TO CONFLICT WITH GOVERNING CODES AND REGULATIONS. CONTRACTOR ASSUMES ALL RESPONSIBILITY AND COSTS FOR CORRECTING NON COMPLYING WORK INSTALLED WITHOUT NOTIFYING THE ENGINEER.
- I. HIGHER QUALITY OF WORKMANSHIP AND MATERIALS INDICATED IN THE CONTRACT DOCUMENTS TAKES PRECEDENCE OVER THAT ALLOWED IN REFERENCED CODES AND STANDARDS.
 - a. FURNISH: TO OBTAIN, COORDINATE, SUBMIT THE NECESSARY DRAWINGS, DELIVER TO THE JOB SITE IN NEW CONDITION READY FOR INSTALLATION, UNLOAD AND UNPACK, GUARANTEE.
 - b. INSTALL: TO RECEIVE AS THE JOB SITE, STORE, ASSEMBLE, ERECT, SET IN PLACE, ANCHOR, APPLY, FINISH, PROTECT, CLEAN, TEST, START UP, AND MAKE READY FOR OWNER'S USE.
 - c. PROVIDE: TO FURNISH AND INSTALL.
- J. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONAL DIFFERENCES, WEIGHTS, ELECTRICAL REQUIREMENTS AND ANY OTHER RESULTING CHANGES, WHEN USING EQUIPMENT OTHER THAN THAT SCHEDULED ON THE DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL COSTS INCURRED AS A RESULT OF SUBSTITUTIONS.
- K. BEFORE SUBMITTING A PROPOSAL ON THE WORK CONTEMPLATED, EXAMINE THE SITE OF THE PROPOSED WORK AND BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS AND LIMITATION. NO EXTRA COMPENSATION WILL BE ALLOWED BECAUSE OF MISUNDERSTANDING AS TO THE AMOUNT OF WORK INVOLVED NOR BIDDERS LACK OF KNOWLEDGE OF EXISTING CONDITIONS WHICH COULD HAVE BEEN DISCOVERED OR REASONABLY ANTICIPATED PRIOR TO BIDDING.
- L. CONSULT DRAWINGS AND SPECIFICATIONS FOR OTHER DIVISIONS AND TRADES FOR CORRELATING INFORMATION AND LAY OUT WORK SO THAT IT WILL COORDINATE WITH OTHER TRADES. VERIFY DIMENSIONS AND CONDITIONS (IE. FINISHED CEILING HEIGHTS, FOOTING AND FOUNDATION ELEVATIONS, BEAM DEPTHS, ETC.) WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- M. DRAWINGS MAY SHOW EVERY RISE AND OFFSET REQUIRED FOR THE WORK. INSTALL PIPING AND DUCTWORK TO ACCOMMODATE THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES, WITH ALL REQUIRED OFFSETS AND WITHOUT EXTRA COST TO THE OWNER.
- N. OBTAIN EXACT LOCATION OF CONNECTION TO EQUIPMENT, FURNISHED BY OTHERS, FROM THE PERSON FURNISHING THE EQUIPMENT.
- O. GUARANTEE AND MAINTAIN THE STABILITY OF WORK AND MATERIALS AND KEEP SAME IN PERFECT REPAIR AND CONDITION FOR THE PERIOD OF ONE (1) YEAR AFTER THE FINAL COMPLETION OF THE WORK AS EVIDENCED BY ISSUANCE OF THE FINAL CERTIFICATE BY THE ARCHITECT/OWNER'S REPRESENTATIVE. EQUIPMENT WARRANTIES FROM THE INSTALLING CONTRACTOR SHALL INCLUDE A ONE (1) YEAR LABOR WARRANTY ON TOTAL JOB EFFECTIVENESS FROM THE DATE OF TURN-OVER TO OWNER. CONTRACTOR SHALL SHOW EVERY RISE AND OFFSET REQUIRED FOR THE WORK. INSTALL PIPING AND DUCTWORK TO ACCOMMODATE THE BUILDING STRUCTURE AND THE WORK OF OTHER TRADES, WITH ALL REQUIRED OFFSETS AND WITHOUT EXTRA COST TO THE OWNER.
- P. DEFECTS OF ANY KIND DUE TO FAULTY WORK OR MATERIALS APPEARING DURING THE ABOVE MENTIONED PERIOD MUST BE IMMEDIATELY MADE GOOD BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE ENTIRE SATISFACTION OF THE OWNER AND ARCHITECT AND ENGINEER. INCLUDE DAMAGE TO THE FINISH OF THE BUILDING RESULTING FROM THE ORIGINAL DEFECT OR REPAIRS.
- Q. MAGNETIC STARTERS, DISCONNECTS, AND POWER WIRING PROVIDED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE SPECIFIED.
- R. CONTROL AND INTERLOCK WIRING PROVIDED BY THE MECHANICAL CONTRACTOR, UNLESS OTHERWISE SPECIFIED.
- S. PROVIDE ONLY PRODUCTS FROM MANUFACTURING WITH LOCAL REPRESENTATION THAT CAN PROVIDE COMPLETE COVERAGE, PARTS AND LABOR, FOR REPLACEMENT AND SERVICE OF THEIR PRODUCTS. PROVIDE ONLY EQUIPMENT THAT WILL FIT IN THE SPACE AVAILABLE AND BE COMPLETELY SERVICEABLE. BRING AND CONFLICTS TO THE ENGINEER'S ATTENTION PRIOR TO ORDERING THE EQUIPMENT.
- T. COORDINATE/SCHEDULE ALL WORK WITH THE OWNER TO MINIMIZE DISRUPTIONS. CONFINE ALL INTERRUPTIONS TO THE SMALLEST POSSIBLE AREA. PROVIDE TEMPORARY CONNECTIONS IF REQUIRED TO PROVIDE CONTINUITY OF SERVICE.
- U. INSPECT ALL AREAS AFFECTED BY THE INTERRUPTION AND RETURN ALL AUTOMATICALLY CONTROLLED EQUIPMENT, ELECTRONICALLY OPERATED EQUIPMENT TO THE SAME OPERATING CONDITION PRIOR TO THE INTERRUPTION.
- V. NO FIRE SPRINKLER OR FIRE ALARM SYSTEMS ARE TO REMAIN INACTIVE AT THE END OF THE WORK DAY. ASSURE THAT THE FIRE SPRINKLER OF AFIRE ALARM SYSTEM IS OPERATIONAL AT THE NED OF EACH WORK DAY. COORDINATE WITH THE OWNER.
- W. PROVIDE NEW MATERIAL AND EQUIPMENT, UNLESS NOTED OTHERWISE. PROTECT EQUIPMENT AND MATERIAL FROM DAMAGE, DIRT AND THE WEATHER.
- X. PROVIDE THE HIGHEST QUALITY OF WORKMANSHIP AND PERFORM ALL WORK ONLY BY SKILLED MECHANICS. INSTALL MATERIAL ND EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, INSTRUCTIONS AND CURRENT STANDARDS.
- Y. THE ENGINEER RESERVES THE RIGHT TO REJECT MATERIAL OR WORKMANSHIP NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, BEFORE OR AFTER INSTALLATION.
- Z. ALL PIPING AND DUCTWORK SHALL BE RUN IN THE MOST DIRECT AND STRAIGHT MANNER POSSIBLE MAINTAINING PROPER GRADING.
- AA. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT MOST PIPING AND DUCTWORK BE CONCEALED. WHERE EXPOSED, RUN AS CLOSE TO THE CEILING AND/OR WALL AS POSSIBLE, PARALLEL WITH ADJACENT STRUCTURAL OR ARCHITECTURAL ELEMENTS.
- BB. ARRANGE WORK TO FACILITATE MAINTENANCE, REPAIR OR REPLACEMENT OF EQUIPMENT. PROVIDE ACCESS FOR DEVICES THAT REQUIRE MAINTENANCE. FOR CONCEALED DEVICES, VERIFY THAT ACCESS PANELS ARE PROPERLY LOCATED AND LABELED.
- CC. INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURERS WRITTEN INSTRUCTIONS.
- DD. PERFORM ALL CUTTING AND PATCHING NECESSARY TO WORK, UNLESS SPECIFICALLY DELEGATED TO THE GENERAL CONTRACTOR. OBTAIN SPECIAL PERMISSION FROM THE STRUCTURAL ENGINEER BEFORE CUTTING STRUCTURAL MEMBERS OR FINISHED MATERIAL. PERFORM ALL PATCHING IN SUCH A MANNER AS TO LEAVE NO VISIBLE TRACE AND RETURN THE AREA AFFECTED TO THE CONDITION OF UNDISTURBED WORK. PERFORM ALL PATCHING BY WORKERS EXPERIENCED, SKILLED AND LICENSED FOR THE PARTICULAR TYPE OF WORK INVOLVED. INTERIOR WORK WILL NOT BE ACCEPTED.
- EE. PATCH HOLES LEFT AS A RESULT OF DEMOLITION OF MECHANICAL EQUIPMENT AND DEVICES.
- FF. DRILL ALL HOLES IN MASONRY WITH ROTARY DRILL. IMPACT TOOLS ARE NOT ALLOWED. CORE DRILL ALL HOLES IN MASONRY AND CONCRETE FOR MECHANICAL PENETRATIONS. PROVIDE AND DISPOSE OF ALL WATER REQUIRED FOR CORE DRILLING. COORDINATE WITH OTHER TRADES TO PREVENT DAMAGE FROM WATER.
- GG. PREVENT THE SPREAD OF DUST AND DEBRIS, AND OTHER MATERIAL INTO ADJACENT AREAS.
- HH. REPLACE ALL CEILING TILES DAMAGED DURING INSTALLATION OF WORK, WITH NEW TILE.
- II. REFINISH ALL MECHANICAL EQUIPMENT DAMAGED DURING SHIPPING AND/OR INSTALLATION TO ITS ORIGINAL CONDITION. REMOVE ALL RUST; PRIME AND PAINT PER MANUFACTURER'S RECOMMENDATIONS FOR FINISH EQUAL TO ORIGINAL.
- JJ. DO NOT USE HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS PROVIDED IN THIS SCOPE OF WORK FOR TEMPORARY HEATING, VENTILATION AND AIR CONDITIONING DURING CONSTRUCTION.
- KK. PROTECT OPENINGS AND EQUIPMENT FROM OBSTRUCTION, BREAKAGE, MISUSE, DAMAGE OR BLEMISHES. PROTECT MATERIAL AND EQUIPMENT IMMEDIATELY UPON RECEIPT AT THE JOB SITE OR IMMEDIATELY AFTER THEY HAVE BEEN REMOVED FROM THEIR SHIPPING CONTAINERS. UNLESS NOTED OTHERWISE, KEEP THEM CLEAN AND UNDAMAGED UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY OWNER. WHEN A PORTION OF THE BUILDING IS OCCUPIED BY THE OWNER BEFORE SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT, MAKE ARRANGEMENTS TO TRANS FERE RESPONSIBILITY FOR PROTECTION AND HOUSEKEEPING FOR THE OCCUPIED PORTION.
- LL. PROTECT PIPE, DUCT AND EQUIPMENT OPENINGS WITH TEMPORARY PLUGS OR CAPS. KEEP OPENINGS COVERED UNTIL PERMANENT CONNECTIONS ARE COMPLETE.
- MM. CONTRACTOR IS RESPONSIBLE FOR AN DAMAGE TO MECHANICAL EQUIPMENT, MATERIALS OR WORK UNTIL FINAL ACCEPTANCE OF THE ENTIRE PROJECT BY THE OWNER. KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH, CAUSED BY HIS EMPLOYEES OR WORK, AT ALL TIMES. REMOVE RUBBISH, TOOLS, SCAFFOLDING, AND SURPLUS MATERIALS FROM AND ABOUT THE BUILDING, AND LEAVE WORK AREAS "BROOM CLEAN" OR ITS EQUIVALENT UPON COMPLETION OF THE WORK. CLEAN MECHANICAL EQUIPMENT AND REMOVE TEMPORARY IDENTIFICATION.
- NN. IN CASE OF DISPUTE, THE OWNER WILL REMOVE THE RUBBISH AND CHARGE THE COST TO THE CONTRACTOR.
- OO. BEFORE START UP, LUBRICATE, CHARGE, AND FILL ALL SYSTEMS AS SPECIFIED AND ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- PP. CLEAN, DISINFECT, AND TEST ALL PLUMBING AND PIPING SYSTEMS.
- QQ. PERFORM TESTING, ADJUSTING AND BALANCING IN ACCORDANCE WITH THAT SECTION.
- RR. OPERATE EQUIPMENT AND SYSTEMS IN ALL OF THEIR OPERATION MODES TO VERIFY PROPER OPERATION, PRIOR TO FINAL FIELD OBSERVATION AND OWNER INSTRUCTIONS.
- SS. ATTEND PRE-TESTING CONFERENCE AS SCHEDULED BY TESTING, ADJUSTING AND BALANCING (TAB) CONTRACTOR.
- TT. PROVIDE ASSISTANCE TO TAB CONTRACTOR BY MAKING ADJUSTMENTS TO SYSTEMS AND SYSTEM COMPONENTS REQUIRED FOR ACHIEVING DESIGN PERFORMANCE.
- UU. IF ACCEPTABLE PERFORMANCE OF ANY TEST IS NOT ACHIEVED, MAKE THE NECESSARY CORRECTIONS AND THE TEST SHALL BE REPEATED UNTIL ACCEPTABLE PERFORMANCE IS ACHIEVED.
- VV. FULLY INSTRUCT OWNER'S DESIGNATED PERSONNEL IN THE OPERATION OF EACH MECHANICAL SYSTEM AT THE TIME IT IS PUT INTO SERVICE. PROVIDE INSTRUCTION USING COMPETENT INSTRUCTORS AND FACTORY TRAINED PERSONNEL.
- WW. INCLUDE DOCUMENTATION OF INSTRUCTIONS IN THE OPERATION AND MAINTENANCE MANUALS.
- XX. OBTAIN A WRITTEN STATEMENT FROM THE OWNER THAT HIS DESIGNATED PERSONNEL HAVE BEEN INSTRUCTED.
- YY. SUBMIT A COMPLETED BOUND OPERATION AND MAINTENANCE MANUAL TO OWNER INCLUDING SHOP DRAWINGS, WARRANTIES, TEST REPORTS, CERTIFICATIONS, TEST AND BALANCE REPORTS, SYSTEM VALIDATION REPORTS AND RECORD DRAWINGS.

230593 - TESTING, ADJUSTING AND BALANCING

- A. WORK INCLUDES:
 - a. TESTING, ADJUSTING AND BALANCING OF NEW AIR SYSTEMS.
 - b. TESTING, ADJUSTING AND BALANCING OF NEW REFRIGERATION SYSTEMS.
 - c. MEASUREMENT OF FINAL OPERATING CONDITION OF HVAC SYSTEM.
- B. SERVICES PROVIDED BY QUALIFIED PERSONNEL OF MECHANICAL CONTRACTOR OR INDEPENDENT QUALIFIED TESTING AND BALANCING AGENCY.
- C. PERFORM TOTAL SYSTEM BALANCE IN ACCORDANCE WITH AABC NATIONAL STANDARDS FOR FIELD MEASUREMENT AND INSTRUMENTATION, TOTAL SYSTEM BALANCE OR NEBB PROCEDURAL STANDARDS FOR TESTING BALANCING AND ADJUSTING OF ENVIRONMENTAL SYSTEMS.
- D. VERIFY THAT SYSTEMS ARE COMPLETE AND OPERATIONAL BEFORE COMMENCING WORK.
- E. AIR HANDLING SYSTEMS: ADJUST TO WITHIN PLUS OR MINUS 5% OF DESIGN FOR SUPPLY SYSTEMS AND PLUS OR MINUS 10% FOR RETURN AND EXHAUST SYSTEMS. ADJUST OUTSIDE AIR TO WITH IN 0 TO PLUS 5 TO PERCENT OF DESIGN.
- F. AIR OUTLETS AND INLETS: ADJUST TOTAL TO WITHIN PLUS 10 PERCENT AND MINUS 5 PERCENT OF DESIGN TO SPACE. ADJUST OUTLETS AND INLETS IN SPACE TO WITHIN PLUS OR MINUS 10 PERCENT OF DESIGN.
- G. ADJUST AIR HANDLING AND DISTRIBUTION SYSTEMS TO PROVIDE REQUIRED OR DESIGN SUPPLY, RETURN, OUTSIDE AIR, AND EXHAUST AIR QUANTITIES.
- H. TEST EXISTING SUPPLY, RETURN AND EXHAUST SYSTEMS TO E MODIFIED PRIOR TO CONSTRUCTION. RESET EXISTING BRANCHES SERVING AREAS OF NO WORK TO CONDITIONS PRIOR TO CONSTRUCTION. BALANCE BRANCHES SERVING REMODELED AREAS, TO NEW CONDITIONS
- I. SUBMIT COPIES OF TAB REPORT TO ARCHITECT AND OWNER.

230713 - DUCTWORK INSULATION

- A. MATERIALS: CONFORM TO MAXIMUM FLAME SPREAD/SMOKE DEVELOPED RATING OF 25/50 IN ACCORDANCE WITH ASTM E84, NFPA 255 AND UL 723.
- B. CONFORM TO ASTM STANDARDS FOR "K" VALUE, MOISTURE VAPOR TRANSMISSION, MAXIMUM MOISTURE ABSORPTION, JACKET, INSULATING CEMENT, AND ADHESIVE.
- C. MANUFACTURERS: SCHULLER MANVILLE 800 SERIES SPIN-GLAS
 - a. GLASS FIBER (FLEXIBLE/RIGID): SCHULLER-MANVILLE 800 SERIES SPIN GLASS, EQUIVALENT PRODUCTS: CERTANTEED, KNAUF, OWENS-CORNING.
 - b. GLASS FIBER DUCT LINER, FLEXIBLE: SCHULLER-MANVILLE PERMACOTE LINACOUSTIC STANDARD. EQUIVALENT PRODUCTS: CERTANTEED, KNAUF, OWENS-CORNING.
- D. INSTALL IN ACCORDANCE WITH NAAMA NATIONAL INSULATION STANDARDS.
- E. EXPOSED DOUBLE WALL SPIRAL DUCT WITH PERFORATED METAL LINER SHALL HAVE INSULATION EQUAL TO UNITED MCGILL ACCOUTIC-K27, 1-1/2", R VALUE = 6.0.
- F. COMBINATION FILTER MIXING BOXES: RIGID GLASS FIBER - EXTERNAL: 1-1/2" INCHES THICK.
- G. COMBUSTION AIR DUCTS: RIGID GLASS FIBER BLANKET - EXTERNAL: 1 INCH THICK
- H. DRIP PAN BELOW ROOF FANS: FLEXIBLE GLASS FIBER BLANKET - EXTERNAL: 1-1/2 INCHES THICK
- I. SUPPLY DUCTS - CONCEALED: FLEXIBLE GLASS FIBER BLANKET - EXTERNAL: 1-1/2 INCHES THICK
- J. SUPPLY DUCTS - EXPOSED: LINED WITH RIGID GLASS FIBER: 1-1/2 INCH THICK, R VALUE = 6.0.
- K. RETURN DUCTS - EXPOSED: LINED WITH RIGID GLASS FIBER: 1-1/2 INCH THICK, R VALUE = 6.0.

233000 - DUCTWORK

- A. PERFORM WORK IN ACCORDANCE WITH SMACNA - HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED IN LOCAL CODES.
- B. GALVANIZED STEEL DUCTS: ASTM A525 AND ASTM A527 GALVANIZED STEEL SHEET, LOCK FORMING QUALITY, HAVING G60 ZINC COATING IN CONFORMANCE WITH ASTM A90.
- C. INSULATED FLEXIBLE DUCTS:
 - a. MANUFACTURERS: FLEX-AIRE, FLEXMASTER, NORFLEX, THERMAFLEX, WIREMOLD.
 - b. TWO PLY VINYL FILM SUPPORTED BY HELICALLY WOUND SPRING STEEL WIRE; FIBERGLASS INSULATION; POLYETHYLENE VAPOR BARRIER FILM. PRESSURE RATING: 10 INCHES WG POSITIVE AND 10 INCHES WG NEGATIVE. MAXIMUM VELOCITY: 4000 FPM, TEMPERATURE RANGE: -10 DEGREES F TO 160 DEGREES F.
 - c. FABRICATE AND SUPPORT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED IN LOCAL CODES.
- D. MANUFACTURERS OF FLAT OVAL DUCTS, DOUBLE WALL INSULATED FLAT OVAL DUCTS, DOUBLE WALL INSULATED ROUND DUCTS: SEMCO, UNITED MCGILL.
- E. MANUFACTURERS OF TRANSVERSE DUCT CONNECTION SYSTEM: DUCTMATE, TDC, WARD.
- F. INSTALLATION:
 - a. INSTALL AND SEAL DUCTS IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, UNLESS MORE STRINGENT REQUIREMENTS ARE NOTED IN LOCAL CODES.
 - b. SUPPORT IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE, CHAPTER 4, HANGERS AND SUPPORTS.
 - c. PROVIDE FIRESTOP SYSTEMS FOR PIPE AND DUCT THROUGH-PENETRATIONS OF THE FOLLOWING FIRE-RESISTANCE-RATED ASSEMBLIES, INCLUDING BOTH EMPTY OPENINGS AND OPENINGS CONTAINING PENETRATING ITEMS: FLOOR AND CEILINGS, WALLS AND PARTITIONS, SMOKE BARRIERS, AND CONSTRUCTION ENCLOSED COMPARTMENTALIZED AREAS.
 - d. DUCT HANGERS SHALL NOT ATTACH TO BOTTOM CHORD OF STEEL JOIST OR METAL ROOF DECKING. ATTACHE TO TOM CHORD OF STEEL JOIST.
 - e. CONNECT DIFFUSERS TO LOW PRESSURE DUCTS DIRECTLY OR WITH 5 FEET MAXIMUM LENGTH OF FLEXIBLE DUCT HELD IN PLACE WITH STRAP OR CLAMP.
- G. PROTECTION:
 - a. DURING CONSTRUCTION, PROVIDE TEMPORARY CLOSURES OF METAL OR TAPED POLYETHYLENE ON OPEN DUCTWORK TO PREVENT CONSTRUCTION DUST FROM ENTERING THE DUCTWORK SYSTEM.
- H. CLEANING:
 - a. CLEAN DUCT SYSTEM AND FORCE AIR AT HIGH VELOCITY THROUGH DUCT TO REMOVE ACCUMULATED DUST. TO OBTAIN SUFFICIENT AIR, CLAN HALF THE SYSTEM AT A TIME. PROTECT EQUIPMENT WHICH MAY BE HARMED BY EXCESSIVE DIRT WITH TEMPORARY FILTERS, OR BYPASS DURING CLEANING.
 - b. CLEAN DUCT SYSTEMS WITH HIGH POWER VACUUM MACHINES. PROTECT EQUIPMENT WHICH MAY BE HARMED BY EXCESSIVE DIRT WITH FILTERS, OR BYPASS DURING CLEANING.

233300 - DUCTWORK ACCESSORIES

- A. INSTALL ACCESSORIES IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, NFPA 90A, AND FOLLOWING SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
- B. PROVIDE BACKDRAFT DAMPERS ON EXHAUST FANS OR EXHAUST DUCTS NEAREST TO OUTSIDE AND WHERE INDICATED.

233400 - FANS

- A. POWER ROOF VENTILATORS. MANUFACTURERS: ACME, COOK, GREENHECK, PENNBERY
- B. CEILING MOUNTED VENTILATORS. MANUFACTURERS: ACME, COOK, GREENHECK, PENNBERY
- C. IN-LINE CENTRIFUGAL FANS. MANUFACTURERS: ACME, COOK, GREENHECK, PENNBERY
- D. INSTALL ACCORDING TO MANUFACTURERS INSTRUCTIONS.
- E. FANS SHALL BE FURNISHED WITH BUILT-IN DISCONNECT SWITCH, BACKDRAFT DAMPER AND ROOF, WALL OR EAVE VENT, REFER TO PLANS.

233700 - AIR OUTLETS AND INLETS

- A. GRILLES, REGISTERS AND DIFFUSERS:
 - a. MANUFACTURERS: METALAIR, NAILOR, PRICE, TITUS
- B. LOUVERS:
 - a. MANUFACTURERS: GREENHECK, PORTOFF, RUSKIN
- C. GRAVITY ROOF VENTILATORS:
 - a. MANUFACTURERS: GREENHECK, PORTOFF, RUSKIN

238120 - SPLIT-SYSTEM AIR CONDITIONERS

PART 1 - GENERAL

CONTRACTOR SHALL PROVIDE ALL ITEMS OF LABOR AND MATERIALS REQUIRED TO MAKE A COMPLETE INSTALLATION OF MECHANICAL WORK SHOWN ON DRAWINGS, SPECIFIED, OR AS REQUIRED FOR PROPERLY OPERATING SYSTEMS, WHICH SHALL INCLUDE BUT SHALL NOT BE LIMITED TO:

A. VENTILATING, HEATING AND COOLING EQUIPMENT.

PART 2 - TEMPORARY AIR FILTRATION

- A. ALL RETURN, TRANSFER AND EXHAUST AIR GRILLE AND OPENINGS SHALL BE COVERED WITH 3/4" THICK (MIN.) FOAM TEMPORARY FILTER MEDIA DURING THE ENTIRE COURSE OF CONSTRUCTION TO PROTECT DUCTWORK, PLENUMS, AND AIR HANDLING DEVICES FROM CONSTRUCTION DUST AND DEBRIS.
- B. FILTER MEDIA SHALL BE CHANGED REGULARLY DURING THE COURSE OF CONSTRUCTION TO PREVENT FILTER LOADING AND TO MAINTAIN THE EFFICIENCY OF FILTRATION.
- C. FILTER MEDIA SHALL BE ATTACHED IN SUCH A MANNER TO PREVENT LEAKAGE AND BY-PASS.

PART 3 - HVAC EQUIPMENT

A. SPLIT SYSTEM INDOOR UNITS:

- 1. CONCEALED EVAPORATOR FAN COMPONENTS:
 - a. CHASSIS: GALVANIZED STEEL WITH FLANGED EDGES, REMOVABLE PANELS FOR SERVICING, AND INSULATION ON BACK OF PANEL.
 - b. INSULATION: FACED, GLASS-FIBER DUCT LINER.
 - c. REFRIGERANT COIL: COPPER TUBE, WITH MECHANICALLY BONDED ALUMINUM FINS AND THERMAL-EXPANSION VALVE.
 - d. ELECTRIC COIL: HELICAL, NICKEL-CHROME, RESISTANCE-WIRE HEATING ELEMENTS; WITH REFRACTORY CERAMIC SUPPORT BUSHINGS, AUTOMATIC-RESET THERMAL CUTOUT, BUILD-IT MAGNETIC CONTACTORS, MANUAL-RESET THERMAL CUTOOUT, AIRFLOW PROVING DEVICE, AND ONE-TIME FUSES IN TERMINAL BOX VOR OVERCURRENT PROTECTION.
 - e. FAN: FORWARD CURVED, DOUBLE-WIDTCH WHEEL OF GALVANIZED STEEL, DIRECTLY CONNECTED TO MOTOR.
 - f. FAN MOTORS: ECM
 - g. CONDENSATE DRAIN PAN, 2" DEPTH, SINGLE WALL SHET STEEL, WITH DRAIN CONNECTION.
- 2. OUTDOOR UNIT:
 - 1. OUTSIDE UNIT SHALL BE MOUNTED ON GROUND WHERE INDICATED ON DRAWINGS.
 - 2. CASING: STEEL, FINISHED WITH BAKED ENAMEL IN STANDARD COLOR, WITH REMOVABLE PANELS FOR ACCESS TO COTNROLS, WEEP HOLES FOR WATER DRAINAGE, AND MOUNTING HOLES I THE BASE.
 - 3. COMPRESSOR SHALL BE OF THE HERMETIC TYPE WITH CRANK CASE HEATER AND VIBRATION ISOLATION. CONDENSER COIL SHALL BE COPPER WITH ALUMINUM FINS. CONDENSER FAN SHALL BE DIRECT DRIVE, PROPELLER TYPE FOR VERTICAL DISCHARGE. CONTROLS SHALL CONSIST OF THERMAL AND EXTERNAL CURRENT AND THERMAL OVERLOADS BUILT-IN COMPRESSOR MOTOR; ANTI-CYCLE HIGH AND LOW PRESSURE SWITCHES; SUCTION LINE ACCUMULATOR; PRESSURE RELIEF VALVE, FILTER-DRYER, DEFROST CYCLE; CHANGE OVER VALVES; AND SIGHT GLASS.
 - 4. COMPRESSOR TO HAVE A 5 YEAR WARRANTY.
- 3. REFRIGERANT PIPING
 - 1. FURNISH AND INSTALL REFRIGERANT PIPING.
 - 2. PIPING SHALL BE ASTM 888 SEAMLESS TYPE I HARD DRAWN REFRIGERANT GRADE COPPER TUBE, CLEAN AND CAPPED IN ACCORDANCE WITH ASTM B820 (MARKED "ACR") WITH ANSI B16.22 WROUGHT COPPER FITTINGS. NO CAST FITTINGS WILL BE ALLOWED. TRAP AS PER MANUFACTURERS' RECOMMENDATIONS.
 - 3. BRAZING ALLOY SHALL HAVE MINIMUM 6% SILVER CONTENT SUCH AS "UNIBRAZE 6" FROM UNIBRAZE CORP., "DYNAFLOW 6" FROM J.W. HARRIS, OR "PHOSON-6" FROM UNITED WIRE AND SUPPLY CORP.
 - 4. SYSTEMS SHALL INCORPORATE CHARGING VALVES, SITE GLASSES, SOLENOID VALES, EXPANSION VALVES, AND COMBINATION DRYER-FILTERS. PROVIDE LIQUID LINE VALVED BYPASS AROUND ALL FILTER DRIERS. ALL ACCESSORIES SHALL BE BRASS, SPECIFICALLY DESIGNED FOR REFRIGERANT SERVICE, AND SHALL BE AS MANUFACTURED BY SPORLAN, MUELLER, OR ALCO.
 - 5. JOINTS AT VIBRATION ELIMINATORS AND COPPER TO OTHER METAL JOINTS SHALL BE MADE WITH A MINIMUM 30% SILVER ALLOY SUCH AS EASY-FLO 30 BY HANDY AND HARMAN.
- D. DRAIN PIPING
 - 1. FURNISH AND INSTALL CONDENSATE DRAIN PIPING FROM COILS IN AIR HANDLING UNITS, ETC. EXTEND TO DRAINS AS SHOWN ON THE DRAWINGS OR AS REQUIRED.
 - 2. PIPING SHALL BE HARD DRAWN TYPE "M" COPPER TUBING WITH WROUGHT COPPER FITTINGS, OR SCEHDULE 40 PVC.
- E. ALL WORK SHALL BE APPROVED BY THE ARCHITECT/OWNER BEFORE IT IS CONCEALED.



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Tulsa, Oklahoma 74105
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CONSTRUCTION SET
10/12/2023

PRYOR CREEK MENNONITE CHURCH

1919 W. 470
PRYOR, OK 74361

REVISIONS

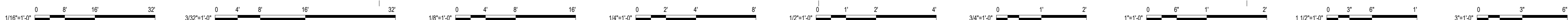
HVAC SPECIFICATIONS

JOB 2022-28
ISSUE 10/12/2023
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CHKD BY: RHG

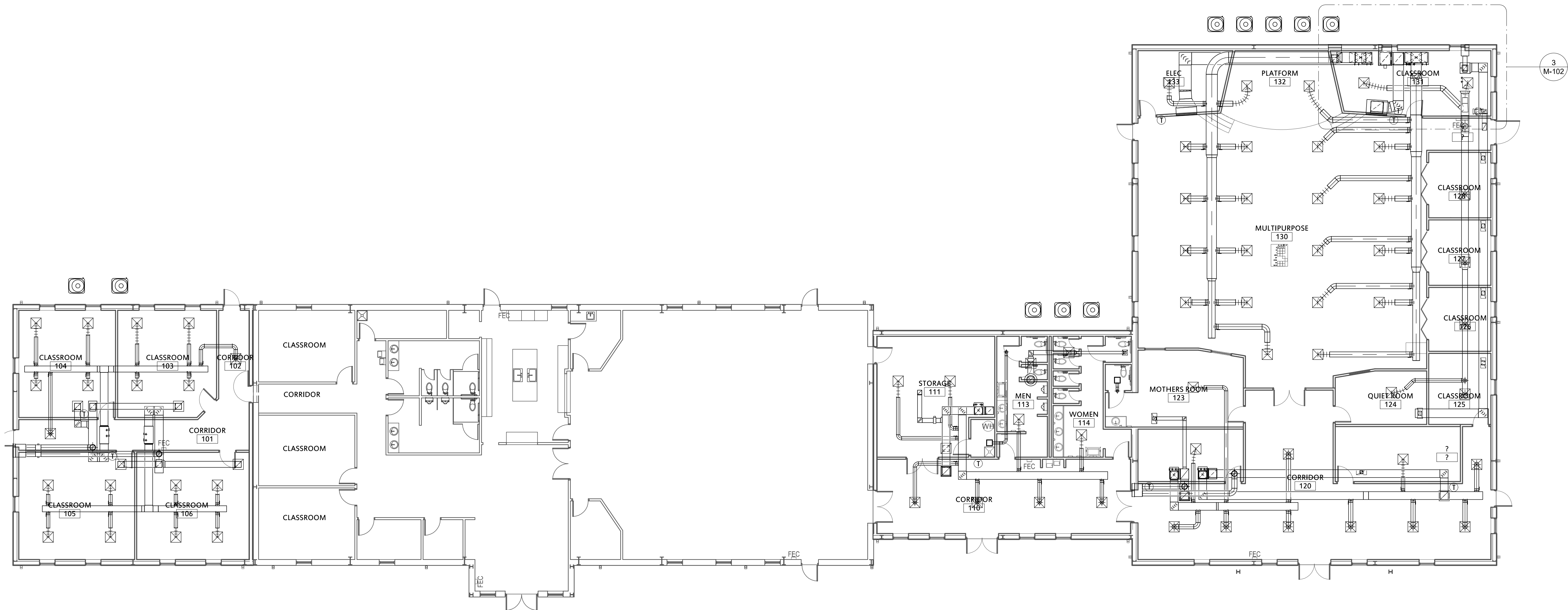
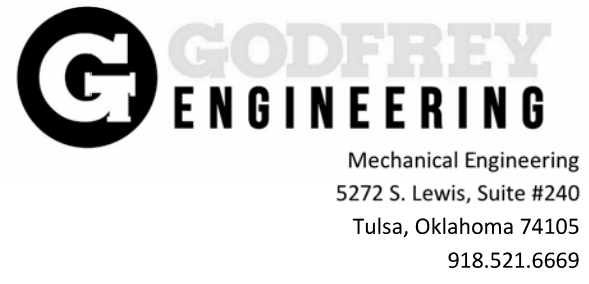
M-002

SCALE 12" = 1'-0"

10/12/2023



CONSULTANT:



1 OVERALL FIRST FLOOR HVAC
 3/32" = 1'-0"

CONSTRUCTION SET
 10/12/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

**OVERALL FIRST FLOOR
 HVAC PLAN**

JOB 2022.28
 ISSUE 10/12/2023
 DRAWN BY: RHG
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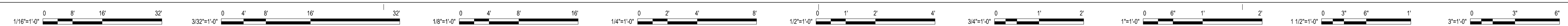
M-101

SCALE 3/32" = 1'-0"



10/12/2023

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CONSTRUCTION SET
 10/12/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

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REVISIONS

**ENLARGED FIRST FLOOR
 HVAC PLAN**

JOB 2022.28
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 DRAWN BY: RHG
 CHKD BY: RHG



M-102

SCALE As indicated

10/12/2023

KEYED NOTES

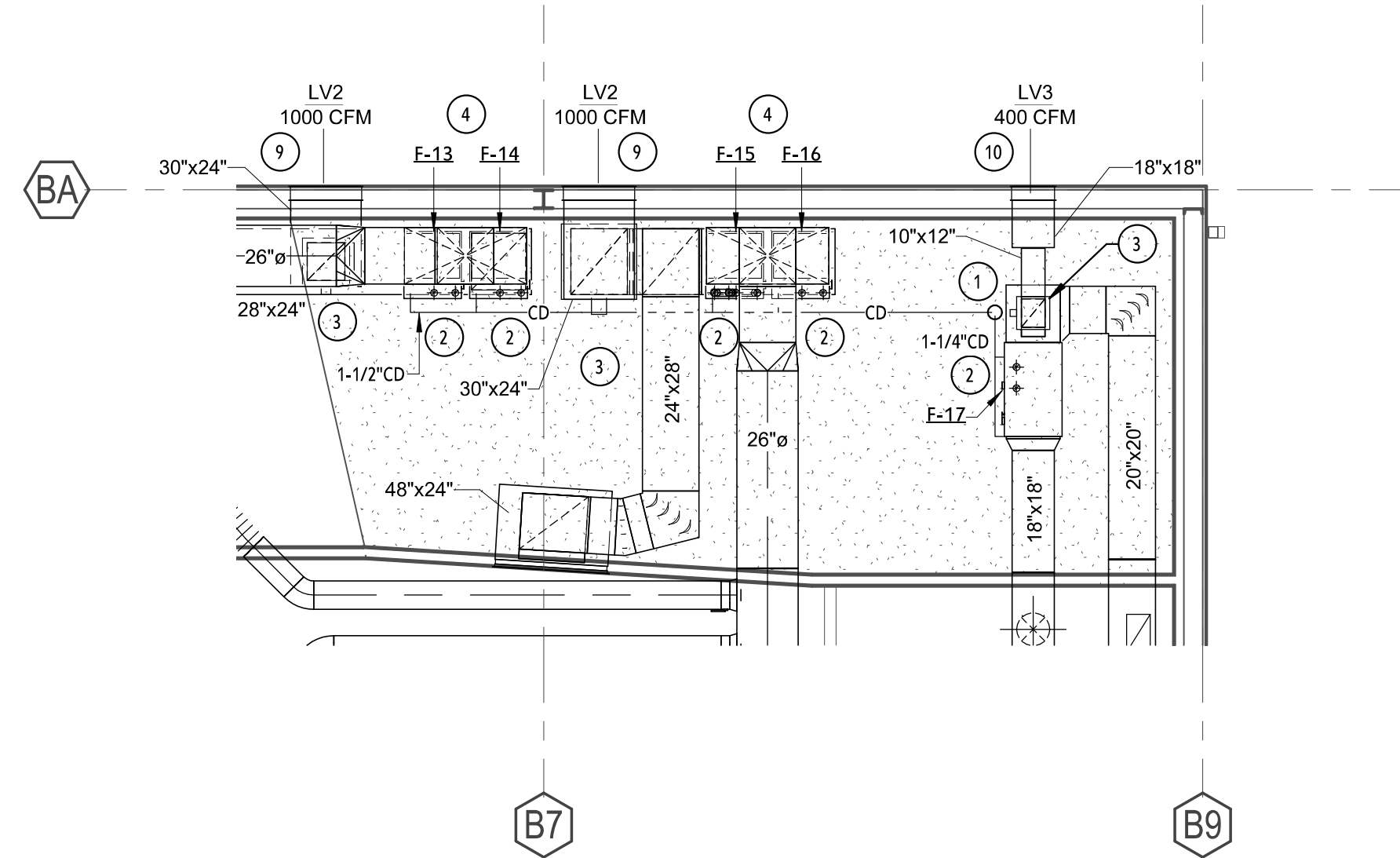
1. ROUTE CONDENSATE DRAIN LINE TO FLOOR DRAIN.
2. ROUTE 3" FLUE VENT PIPE AND 3" COMBUSTION AIR VENT PIPE TO CONCENTRIC ROOF VENT.
3. PROVIDE MOTORIZED OUTDOOR AIR DAMPER IN OUTDOOR AIR DUCT, INTERLOCKED WITH FURNACE FAN.
4. TWINNED FURNACE, PROVIDE WITH TRANSITION PLENUM AND FLEX CONNECTION. TRANSITION TO MAIN TRUNK SIZE IN VERTICAL.
5. ROUTE 6" EXHAUST DUCT TO ROOF JACK SUITABLE FOR ROOF MATERIAL.
6. CONNECT OUTDOOR AIR DUCTS TO 1'-0" DEEP, INSULATED PLENUM BOX.
7. ROUTE 10X10 OUTDOOR AIR DUCT UP TO SPUN ALUMINUM ROOF GRAVITY INTAKE VENTILATOR WITH ROOF CURB AND BACKDRAFT DAMPER, GREENHECK GSRI-10, OR EQUAL. INSTALL 10'-0" AWAY FROM FRESH AIR INTAKE. DO NOT INSTALL IN THE NEW FIRE RATED ROOF.
8. INSTALL LOUVER IN EXTERIOR WALL, 17'-0" AFF.
9. INSTALL LOUVER IN EXTERIOR WALL AT 21'-3" AFF.
10. INSTALL LOUVER IN EXTERIOR WALL AT 20'-3" AFF.
11. F-8 AND F-9 TO BE SUSPENDED FROM PEMB STRUCTURE.
12. ROUTE CONDENSATE DRAIN LINE TO MOP SINK.

LEGEND

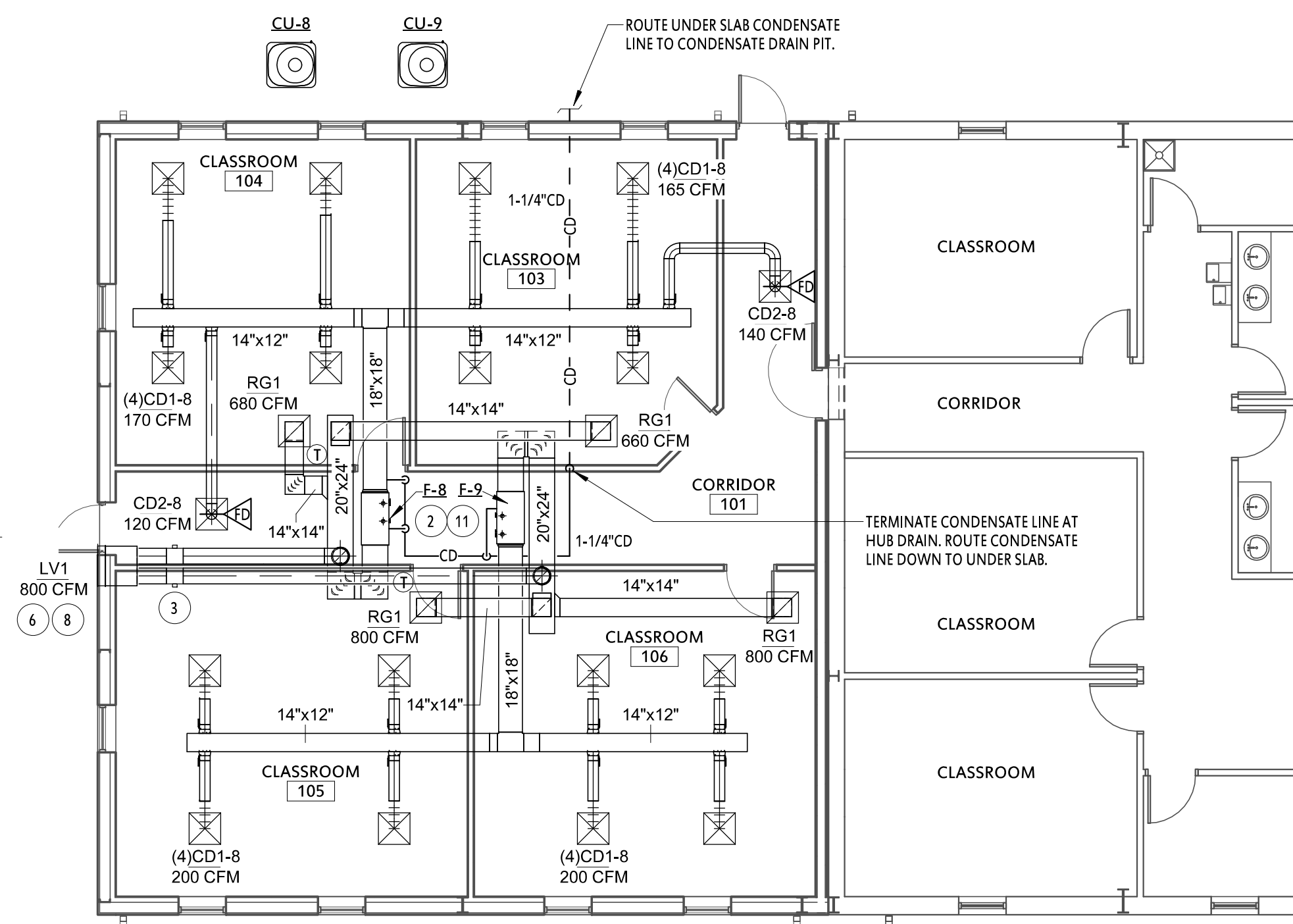
1. REFER TO SHEET M-001 FOR LEGEND.

GENERAL NOTES

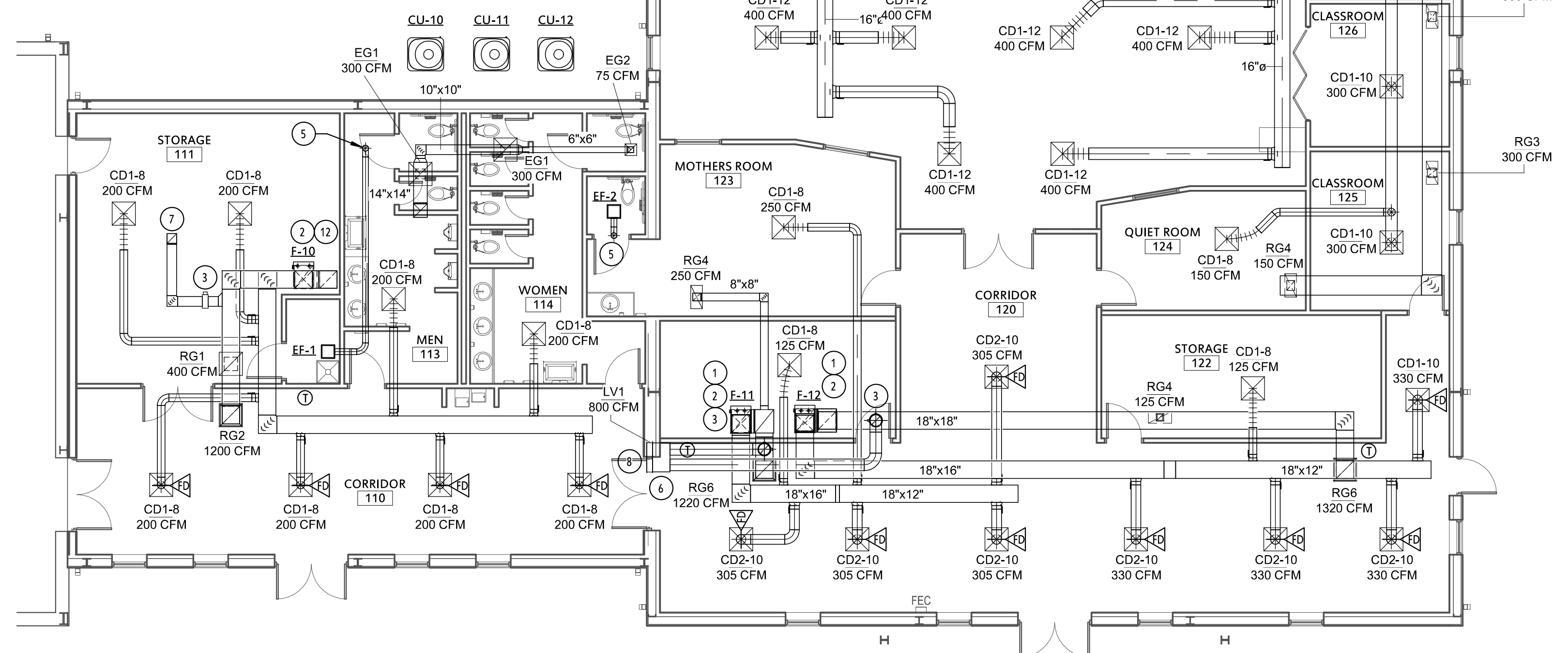
1. REFER TO SHEET M-001 FOR GENERAL NOTES.
2. PENETRATIONS AND BOOTS FOR ROOF PENETRATIONS SHALL BE COORDINATED WITH AND APPROVED BY PRE-ENGINEERED METAL BUILDING MANUFACTURER.



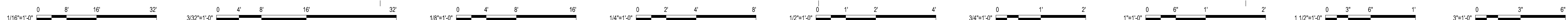
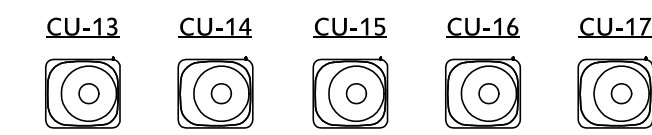
3 ENLARGED MECHANICAL PLATFORM
 3/16" = 1'-0"



1 FIRST FLOOR HVAC - AREA A
 1/8" = 1'-0"



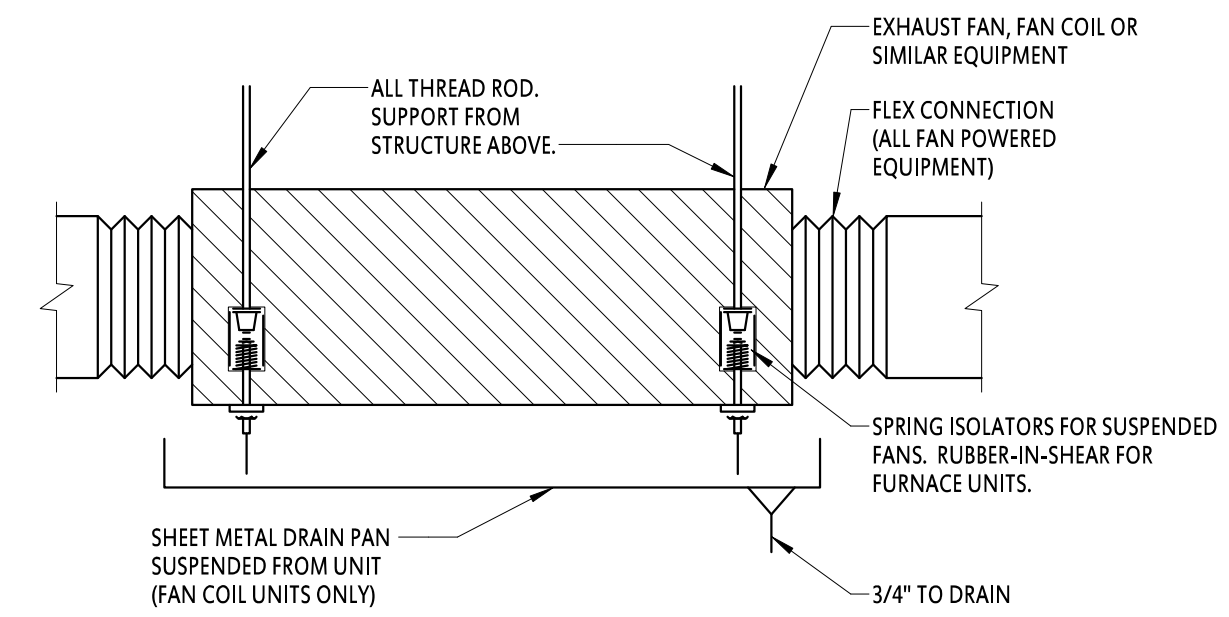
2 FIRST FLOOR HVAC - AREA B
 1/8" = 1'-0"



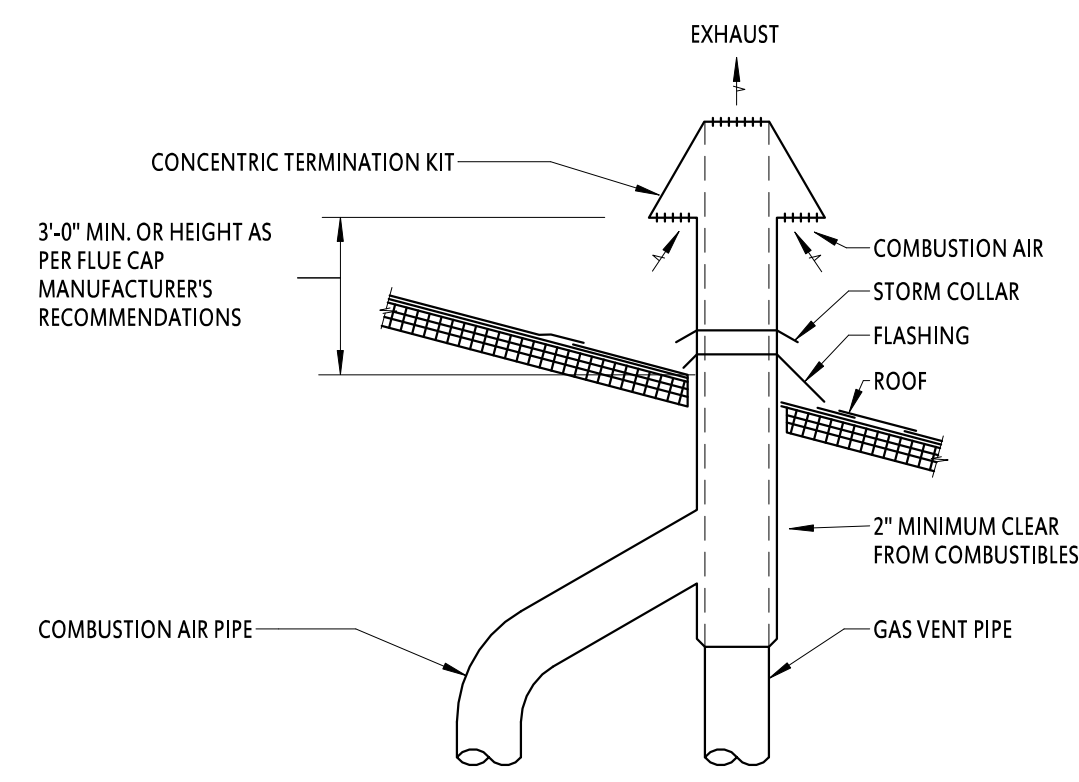
CONSULTANT:



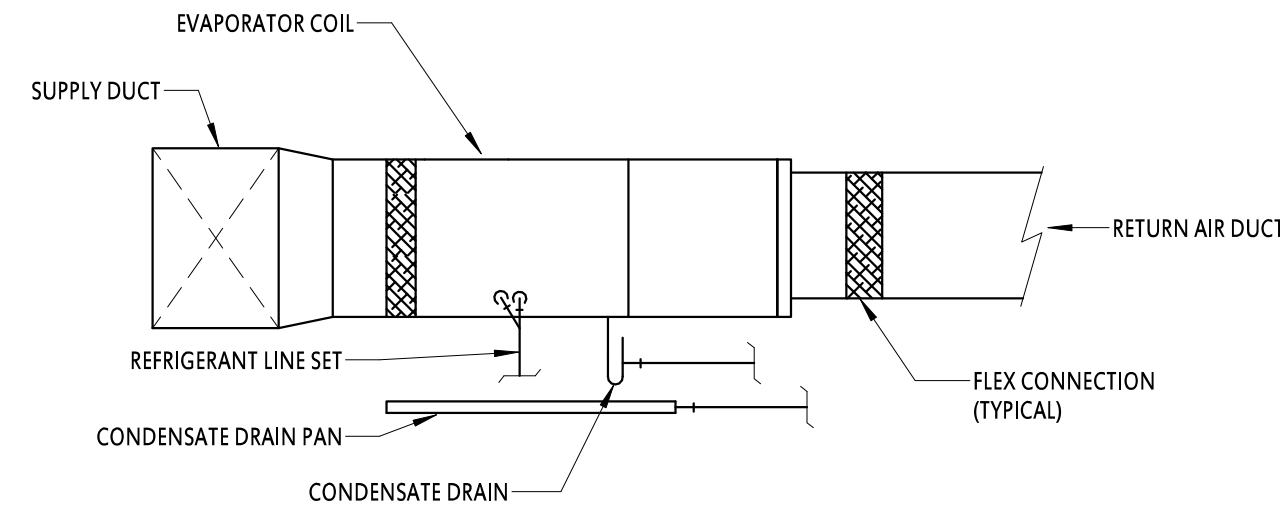
Mechanical Engineering
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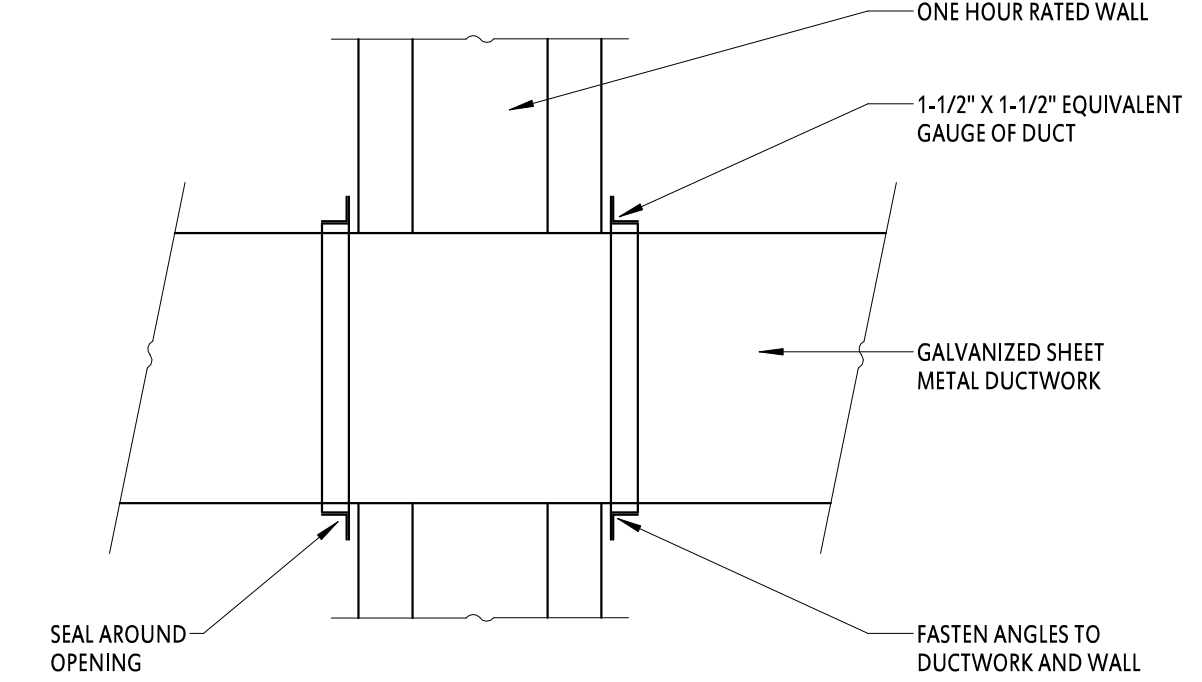
10 MECHANICAL EQUIPMENT SUPPORT
N.T.S.



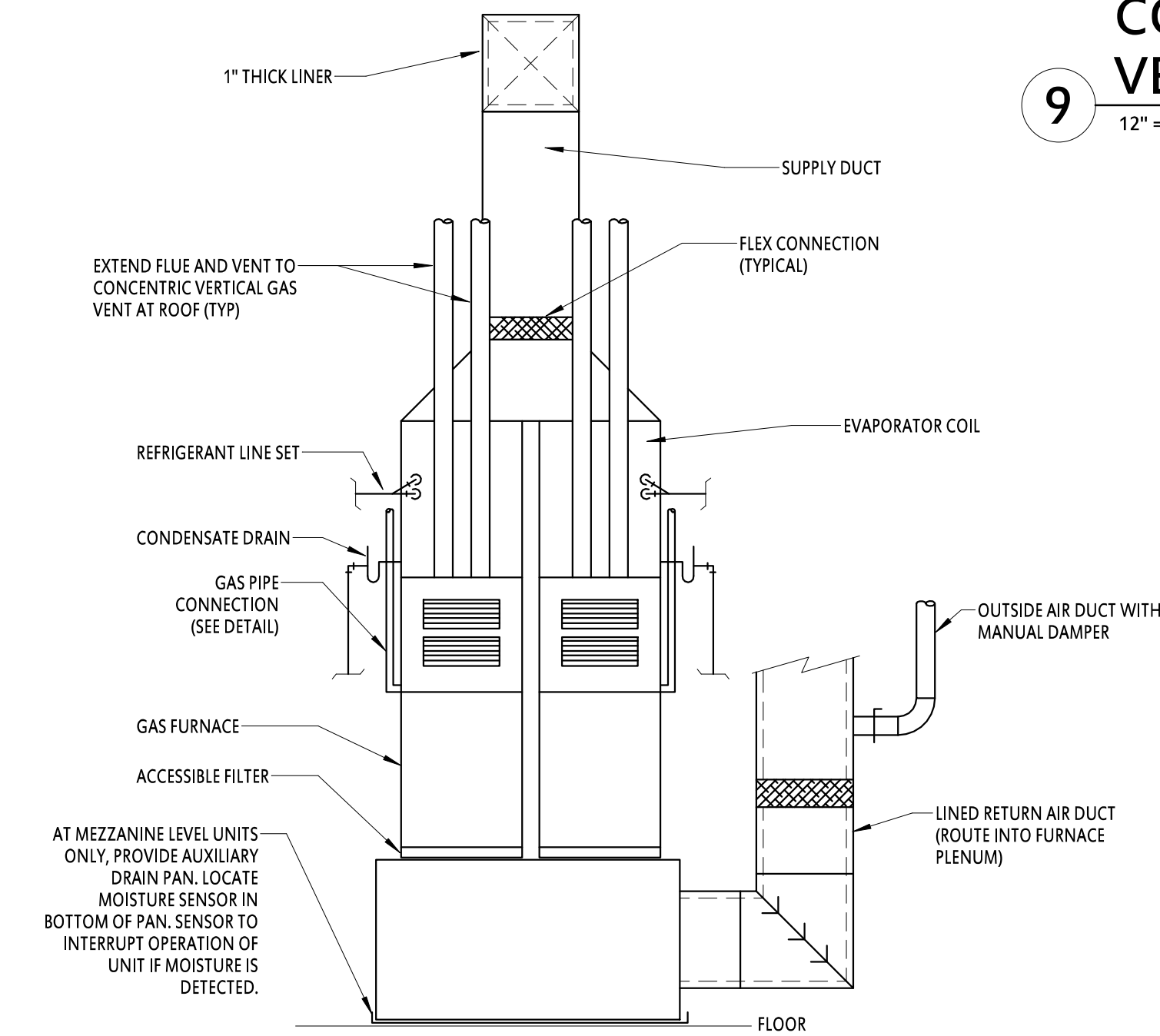
9 CONCENTRIC VERTICAL GAS VENT THRU SLOPED ROOF
12" = 1'-0"



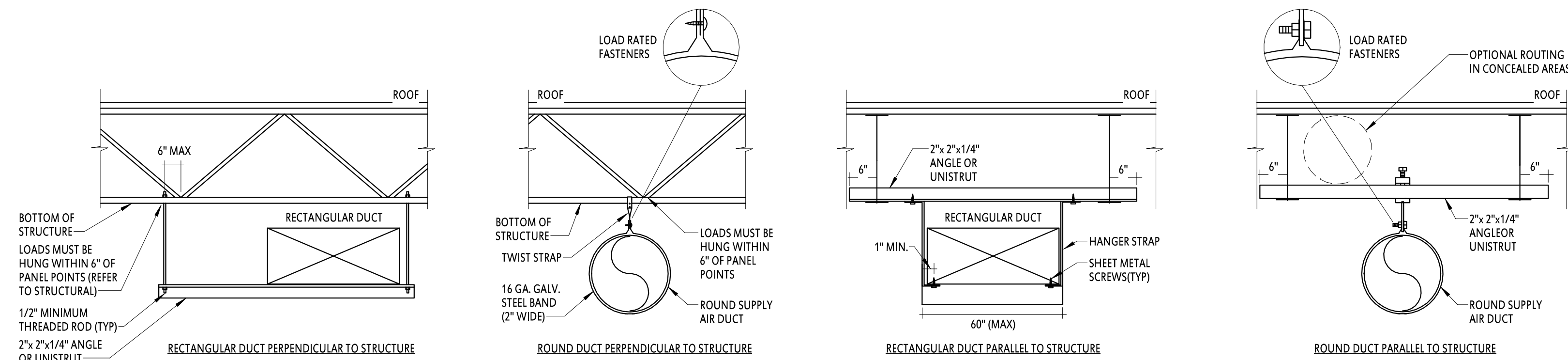
8 HORIZONTAL AIR HANDLING UNIT
N.T.S.



7 TYPICAL DUCT PENETRATION THRU 1-HOUR RATED WALL
N.T.S.

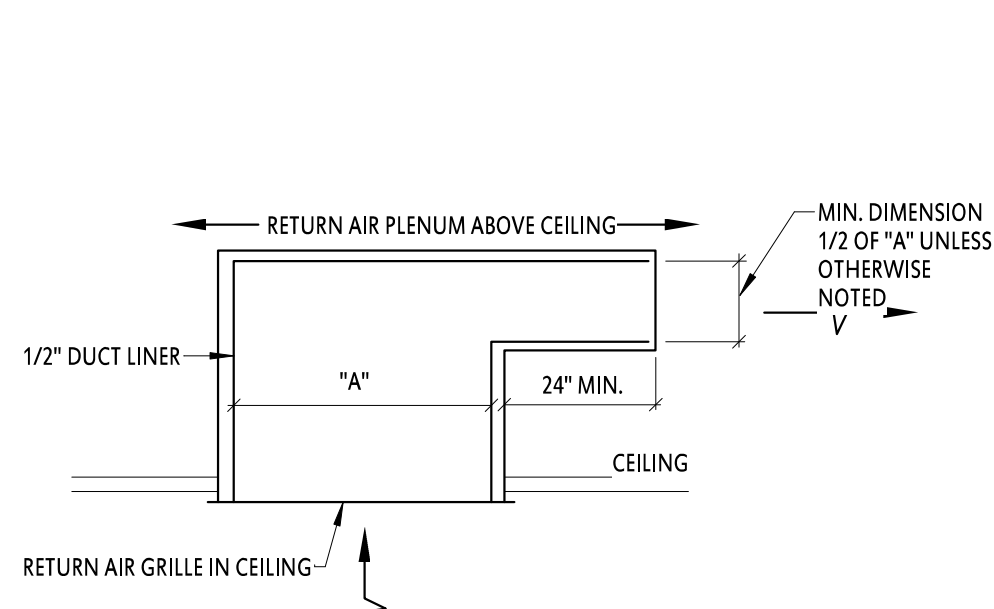


6 TWINNED FURNACE CONNECTION DIAGRAM
N.T.S.

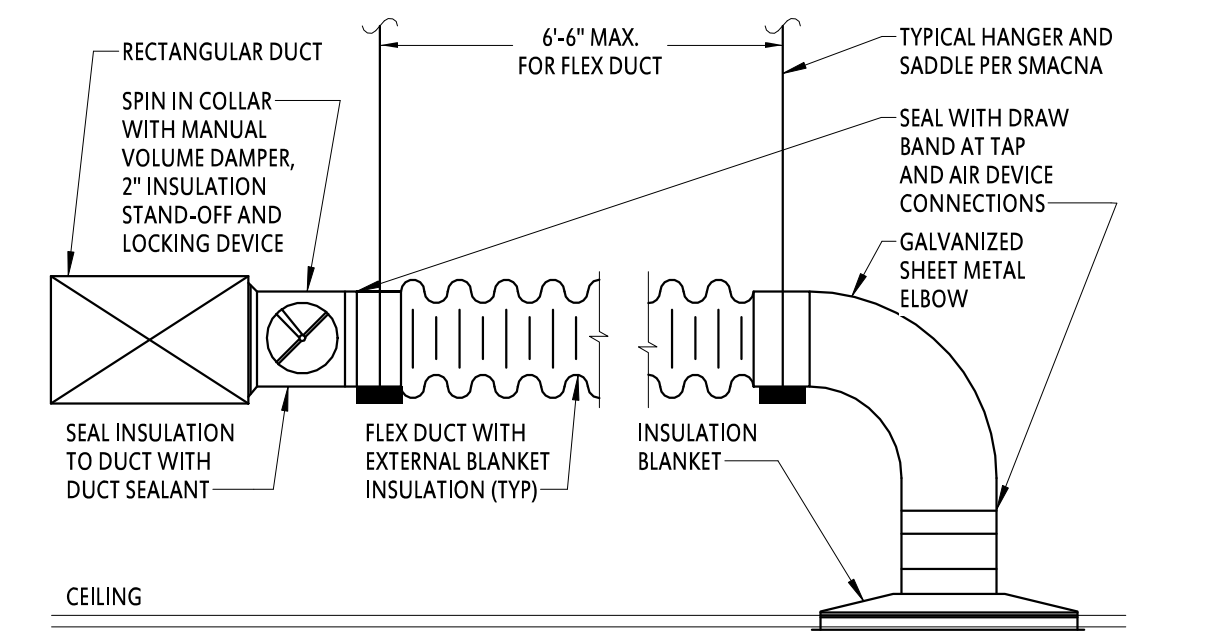


5 DUCTWORK SUPPORT
N.T.S.

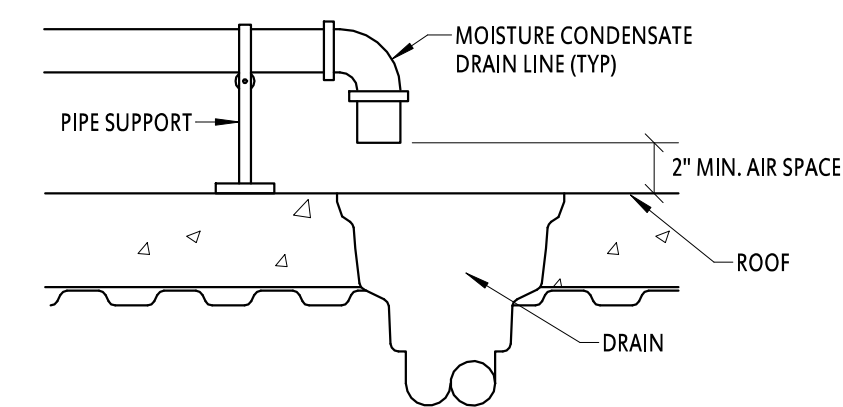
NOTES:
1. RETURN AIR PLENUMS ARE TO BE FABRICATED USING A 1-1/2" X 1-1/2" X 3/16" WELDED STEEL ANGLE IRON STRUCTURAL FRAME. ALL SIX SIDES OF THE FRAME TO BE COVERED WITH GALVANIZED SHEETMETAL. POSITION A SHEETMETAL NOISE BAFFLE IN PLENUMS, WHERE REQUIRED, FOR NOISE CONTROL. APPLY 1" THICK DUCTWORK LINER TO PLENUM FLOOR, ALL PLENUM INTERIOR SURFACES AND ON THE FURNACE SIDE OF THE NOISE BAFFLE.



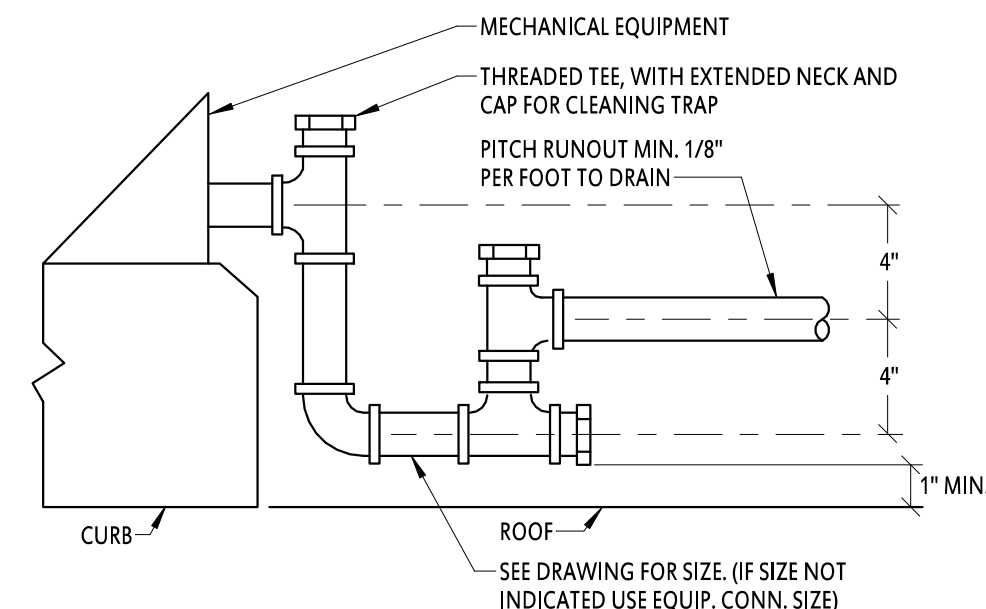
4 SOUND ATTENUATING RETURN AIR BOOT
N.T.S.



3 DUCTWORK INSTALLATION
N.T.S.



2 CONDENSATE LINE TERMINATION
N.T.S.



1 CONDENSATE DRAIN TRAP
N.T.S.

CONSTRUCTION SET
10/12/2023

PRYOR CREEK MENNONITE CHURCH

1919 W. 470
PRYOR, OK 74361

REVISIONS

HVAC DETAILS

JOB 2022.28
ISSUE 10/12/2023
DRAWN BY: RHG
CHKD BY: RHG

M-501

SCALE As indicated



10/12/2023

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AIR COOLED SPLIT SYSTEM WITH DX COOLING AND NATURAL GAS FURNACE SCHEDULE

FURNACE UNIT																	CONDENSING UNITS										
MARK	MANUFACTURER	MODEL	NOMINAL TONNAGE	CFM	OUTDOOR AIR CFM	ESP (IN. WC)	MOTOR HP	VOLTS	PHASE	MCA	MOC P	ENTERING AIR DB/WB	HEATING INPUT MBH	HEATING OUTPUT MBH	AFUE	COOLING COIL MODEL NO.	MARK	MANUFACTURER	MODEL	COOLING CAPACITY TOTAL/SENSIBLE (MBH)	EER / SEER	VOLTS	PHASE	MCA	MOC P	AMBIENT TEMP.	NOTES
F-8	TRANE	S9X1C080U4PSBA	4.0	1,600	320	0.5	3/4	120	1	10.3	15	80.0/67.0	80.0	77.6	95	4TXCC005DS3HCB	CU-8	TRANE	4TTR4048L100A	43.9/35.6	12.5/14	208	1	24	40	95	1 - 11
F-9	TRANE	S9X1C080U4PSBA	4.0	1,600	320	0.5	3/4	120	1	10.3	15	80.0/67.0	80.0	77.6	95	4TXCC005DS3HCB	CU-9	TRANE	4TTR4048L100A	43.9/35.6	12.5/14	208	1	24	40	95	1 - 11
F-10	TRANE	S9X1C080U4PSBA	4.0	1,600	320	0.5	3/4	120	1	10.3	15	80.0/67.0	80.0	77.6	95	4TXCC005DS3HCB	CU-10	TRANE	4TTR4048L100A	43.9/35.6	12.5/14	208	1	24	40	95	1 - 11
F-11	TRANE	S9X1C080U4PSBA	4.0	1,600	320	0.5	3/4	120	1	10.3	15	80.0/67.0	80.0	77.6	95	4TXCC005DS3HCB	CU-11	TRANE	4TTR4048L100A	43.9/35.6	12.5/14	208	1	24	40	95	1 - 11
F-12	TRANE	S9X1C080U4PSBA	4.0	1,600	320	0.5	3/4	120	1	10.3	15	80.0/67.0	80.0	77.6	95	4TXCC005DS3HCB	CU-12	TRANE	4TTR4048L100A	43.9/35.6	12.5/14	208	1	24	40	95	1 - 11
F-13	TRANE	S9X1D120U5PSBA	5.0	1,950	500	0.5	1.0	120	1	14.1	15	80.0/67.0	120.0	113.4	95	4TXCD009DS3HCB	CU-13	TRANE	4TTA4060A3	59.9/44.2	12.5/14	208	3	21	35	95	1 - 11, 12
F-14	TRANE	S9X1D120U5PSBA	5.0	1,950		0.5	1.0	120	1	14.1	15	80.0/67.0	120.0	113.4	95	4TXCD009DS3HCB	CU-14	TRANE	4TTA4060A3	59.9/44.2	12.5/14	208	3	21	35	95	1 - 11, 12
F-15	TRANE	S9X1D120U5PSBA	5.0	1,950	500	0.5	1.0	120	1	14.1	15	80.0/67.0	120.0	113.4	95	4TXCD009DS3HCB	CU-15	TRANE	4TTA4060A3	59.9/44.2	12.5/14	208	3	21	35	95	1 - 11, 12
F-16	TRANE	S9X1D120U5PSBA	5.0	1,950		0.5	1.0	120	1	14.1	15	80.0/67.0	120.0	113.4	95	4TXCD009DS3HCB	CU-16	TRANE	4TTA4060A3	59.9/44.2	12.5/14	208	3	21	35	95	1 - 11, 12
F-17	TRANE	S9X1D120U5PSBA	5.0	1,950	320	0.5	1.0	120	1	14.1	15	80.0/67.0	120.0	113.4	95	4TXCD009DS3HCB	CU-17	TRANE	4TTA4060A3	59.9/44.2	12.5/14	208	3	21	35	95	1 - 11

- NOTES:
- PROVIDE 2" PLEATED DISPOSABLE MERV 8 FILTER.
 - COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR. FURNACE DISCONNECT AND CONDENSING UNIT FUSED DISCONNECT SWITCHES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - PROVIDE FURNACE AND COIL CONDENSATE PIPING AS REQUIRED. ROUTE TO NEAREST APPROVED RECEPTOR.
 - PROVIDE WITH MANUFACTURER'S STANDARD WALL MOUNTED 7-DAY PROGRAMMABLE THERMOSTAT.
 - PROVIDED CONCENTRIC VENT TERMINATION KIT FOR ROOF PENETRATION. SEAL PER ARCHITECTURAL RECOMMENDATIONS. REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONC FOR VENTING MATERIAL, TYPE AND SIZING INSTRUCTIONS.
 - PROVIDE WITH THERMOSTATIC EXPANSION VALVE.
 - INSTALL GROUND MOUNTED CONDENSING UNIT ON 4" CONCRETE PAD. COORDINATE WITH ARCHITECTURAL FOR LOCATION.
 - REFRIGERANT TO BE R-410A.
 - PROVIDE REFRIGERANT LINES, EXPANSION VALVS AND SOLENOID PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - PROVIDE CONDENSING UNITS WITH HAIL GUARDS.
 - PROVIDE MANUFACTURER CLEARANCES FOR UNITS.
 - PROVIDE WITH CONTROL TWINNING KIT.

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	DRIVE	FAN DATA			MOTOR DATA			SONE LEVEL	TOTAL UNIT WEIGHT (LBS)	NOTES
					CFM	ESP	RPM	WATTS	VOLTS	Ø			
EF-1	GREENHECK	SP-B110	CEILING	DIRECT	100	0.25	950	80	120	1	1.5	15	1, 2, 3, 4, 5, 6, 8
EF-2	GREENHECK	SP-B110	CEILING	DIRECT	100	0.25	950	80	120	1	1.5	15	1, 2, 3, 4, 5, 6, 7
EF-3	GREENHECK	G-090-D	ROOF	DIRECT	525	0.25	1379	50	120	1	6.0	44	1, 2, 3, 5, 7, 9

- NOTES:
- PROVIDE WITH DISCONNECT SWITCH.
 - PROVIDE WITH ISOLATOR KIT.
 - PROVIDE WITH BACKDRAFT DAMPER.
 - PROVIDE WITH ROOF CAP, COLOR TO MATCH EXTERIOR.
 - PROVIDE WITH PRE-WIRED, FAN SPEED CONTROLLER, MOUNTED IN UNIT.
 - PROVIDE WITH ALUMINUM GRILLE.
 - INTERLOCK WITH LIGHT SWITCH.
 - INTERLOCK WITH INDEPENDENT WALL SWITCH.
 - PROVIDE WITH FACTORY MATCHED ROOF CURB.

AIR DEVICE SCHEDULE

MARK	SERVICE	TYPE	MANUFACTURER	MODEL	CONSTRUCTION	PANEL SIZE	NECK SIZE	FINISH	MOUNTING	NOTES
CD1	SUPPLY	CEILING	TITUS	TMS	STEEL	24" X 24"	--	WHITE	LAY-IN	1, 2, 5, 6, 11
CD2	SUPPLY	CEILING	TITUS	TMS-FR	STEEL	24" X 24"	--	WHITE	FLANGED	1, 2, 6, 11
RG1	RETURN	CEILING	TITUS	50F	STEEL	24" X 24"	14" X 14"	WHITE	LAY-IN	2, 3, 5, 7, 11
RG2	RETURN	CEILING	TITUS	50F	STEEL	24" X 24"	22" X 22"	WHITE	LAY-IN	2, 3, 5, 7, 11
RG3	RETURN	CEILING	TITUS	50F	STEEL	24" X 12"	10" X 10"	WHITE	LAY-IN	2, 3, 5, 7, 11
RG4	RETURN	CEILING	TITUS	50F	STEEL	24" X 12"	8" X 8"	WHITE	LAY-IN	2, 3, 5, 7, 11
RG5	RETURN	WALL	TITUS	350RL	STEEL	48" X 24"	--	WHITE	FLANGED	1, 2, 3, 7, 11
RG6	EXHAUST	CEILING	TITUS	350RL	STEEL	24" X 24"	18" X 18"	WHITE	FLANGED	2, 11, 13
EG1	EXHAUST	CEILING	TITUS	350RL	STEEL	24" X 24"	10" X 10"	WHITE	FLANGED	2, 3, 7, 11
EG2	EXHAUST	CEILING	TITUS	350RL	STEEL	12" X 12"	6" X 6"	WHITE	FLANGED	2, 3, 7, 11
LV1	OUTDOOR AIR / EXHAUST AIR	LOUVER	GREENHECK	EDD-401	ALUMINUM	30" X 18"	--	--	--	8, 9, 10, 12
LV2	OUTDOOR AIR / EXHAUST AIR	LOUVER	GREENHECK	EDD-401	ALUMINUM	30" X 24"	--	--	--	8, 9, 10, 12
LV3	OUTDOOR AIR / EXHAUST AIR	LOUVER	GREENHECK	EDD-401	ALUMINUM	18" X 18"	--	--	--	8, 9, 10, 12

- NOTES:
- REFER TO PLANS FOR NECK SIZE.
 - REFER TO REFLECTED CEILING PLAN FOR EXACT LOCATION.
 - PROVIDE WITH AG-75 OPPOSED BLADE DAMPER, OPERABLE FROM FACE, AND EQUALIZING GRID.
 - PROVIDE WITH VOLUME CONTROL DAMPER TO ACHIEVE NOTED CFM.
 - PROVIDE FRAME TYPE FOR LAY-IN CEILING.
 - PROVIDE AND INSTALL WITH FACTORY MATCHED FOIL BACK INSULATION BLANKET.
 - PROVIDE INSULATED PLENUM BOX, PAINT INTERIOR BLACK.
 - REFER TO ARCHITECTURAL FOR COLOR SELECTION.
 - LOUVER CONSTRUCTION SHALL BE EXTRUDED ALUMINUM, DRAINABLE BLADE. PROVIDE LOUVER WITH MOUNTING FRAME SUITABLE FOR INTENDED INSTALLATION.
 - LOUVER FINISH SHALL BE KYNAR 500 AND MATCH EXTERIOR OF BUILDING. PROVIDE WITH BIRD SCREEN.
 - REFER TO PLANS FOR MOUNTING HEIGHT.
 - ACCEPTABLE MANUFACTURERS: PRICE, TUTTLE & BAILEY, TITUS
 - ACCEPTABLE MANUFACTURERS: GREENHECK, POTTORFF, RUSKIN
 - PROVIDE WITH CDT7 RADIATION DAMPER.

CONSTRUCTION SET
10/12/2023

**PRYOR CREEK
MENNONITE
CHURCH**

1919 W. 470
PRYOR, OK 74361

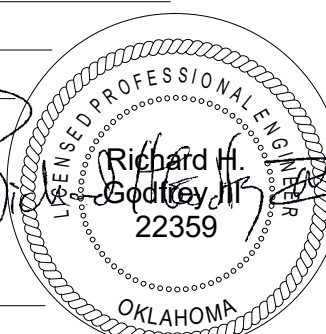
REVISIONS

HVAC SCHEDULES

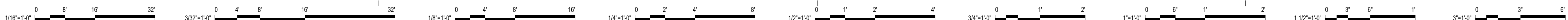
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DRAWN BY: RHG
CHK'D BY: RHG

M-601

SCALE 1/8" = 1'-0"



10/12/2023



SAFETY SWITCH SCHEDULE								
TYPE	LOAD SERVED	MANUFACTURER	AMPS	VOLTS	POLES	ENCLOSURE	FUSES	NOTE(S)
S1	WATER HEATER	SQUARE D	30A	240V	3	NEMA 1	NOT FUSED	HEAVY-DUTY SWITCH
S2	CONDENSING UNIT	SQUARE D	60A	240V	2	NEMA 3R	NOT FUSED	HEAVY-DUTY SWITCH

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
E001	HVAC MAINTENANCE RECEPTACLE: PROVIDE 120 VOLT GFCI WATERPROOF RECEPTACLE(S) TO COMPLY WITH NEC 210.63 AND OTHER CODES AS REQUIRED.
E002	ELECTRIC WATER COOLER (EWC) RECEPTACLE SHALL BE MOUNTED IN AN ACCESSIBLE MANNER, ADJACENT TO EWC CABINET OR BEHIND ACCESSIBLE PANEL. REFER TO MANUFACTURER'S INSTALLATION REQUIREMENTS.
E003	NEW THERMOSTAT CONTROL: ROUTE 1/2" CONDUIT FOR CONTROLS FROM HVAC EQUIPMENT TO LOCATION SHOWN. PROVIDE JUNCTION BOX MOUNTED AT +48" AFF OR ALIGNED WITH NEARBY DEVICES WHERE APPLICABLE. DO NOT USE ELECTRICAL DRAWINGS TO LOCATE THERMOSTATS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
E004	PROVIDE FLUSH MOUNTED MODULAR FLOOR BOX TYPE LEGRAND WIREMOLD 880MP OR EQUIVALENT. PROVIDE MODULES AS REQUIRED TO SERVE TWO DUPLEX RECEPTACLES AND PHONE/DATA CONNECTIONS. PROVIDE FLANGE SIZED AS NEEDED, STYLE TO MATCH SURROUNDING FLOOR. COORDINATE COLOR WITH ARCHITECT/OWNER. PROVIDE A 2" EMPTY CONDUIT WITH PULL STRING(S) ROUTED UNDER SLAB TO NEAREST WALL AND THEN TO ACCESSIBLE CEILING SPACE FOR DATA CONNECTIONS. COORDINATE EXACT POSITION OF FLOOR BOX WITH ARCHITECT PRIOR TO ROUGH-IN.
E008	COORDINATE HEIGHT/LOCATION OF WATER HEATER RECIRCULATION PUMP RECEPTACLE WITH MECHANICAL CONTRACTOR.
E101	MAKE CONNECTIONS TO EXHAUST FAN SO THAT IT IS SWITCHED WITH LIGHT.
E102	MAKE CONNECTIONS TO EXHAUST FAN (RE: 1/E-101) SO THAT IT IS SWITCHED WITH LIGHTS WHEN LIGHT SWITCH IS ACTIVATED IN EITHER MEN'S OR WOMEN'S RESTROOMS (RE: 1/E-201).
E201	PROVIDE 2" CONDUIT UNDER SLAB WITH PULL STRING. STUB UP UNDER STAGE FOR CONNECTIONS TO AUDIO/VISUAL EQUIPMENT.

- POWER GENERAL NOTES**
- MOUNT JUNCTION BOXES FOR DATA WITHIN 12" OF NEAREST RECEPTACLE.
 - MECHANICAL EQUIPMENT CONTROL:
 - FURNISH AND INSTALL BOXES, CONDUIT, AND CONTROL CABLE FOR ALL CONTROLS AS INDICATED ON MECHANICAL DRAWINGS. VERIFY REQUIRED LOCATIONS WITH MECHANICAL CONTRACTOR.
 - ALL CONTROLS FOR MECHANICAL EQUIPMENT WILL BE FURNISHED WITH MECHANICAL EQUIPMENT BY MECHANICAL CONTRACTOR UNLESS SPECIFIED OTHERWISE ON DRAWINGS.
 - FINAL EQUIPMENT CONNECTIONS LESS THAN 120 VOLTS SHALL BE PERFORMED BY MECHANICAL CONTRACTOR. MAKE ALL OTHER REQUIRED EQUIPMENT CONNECTIONS.

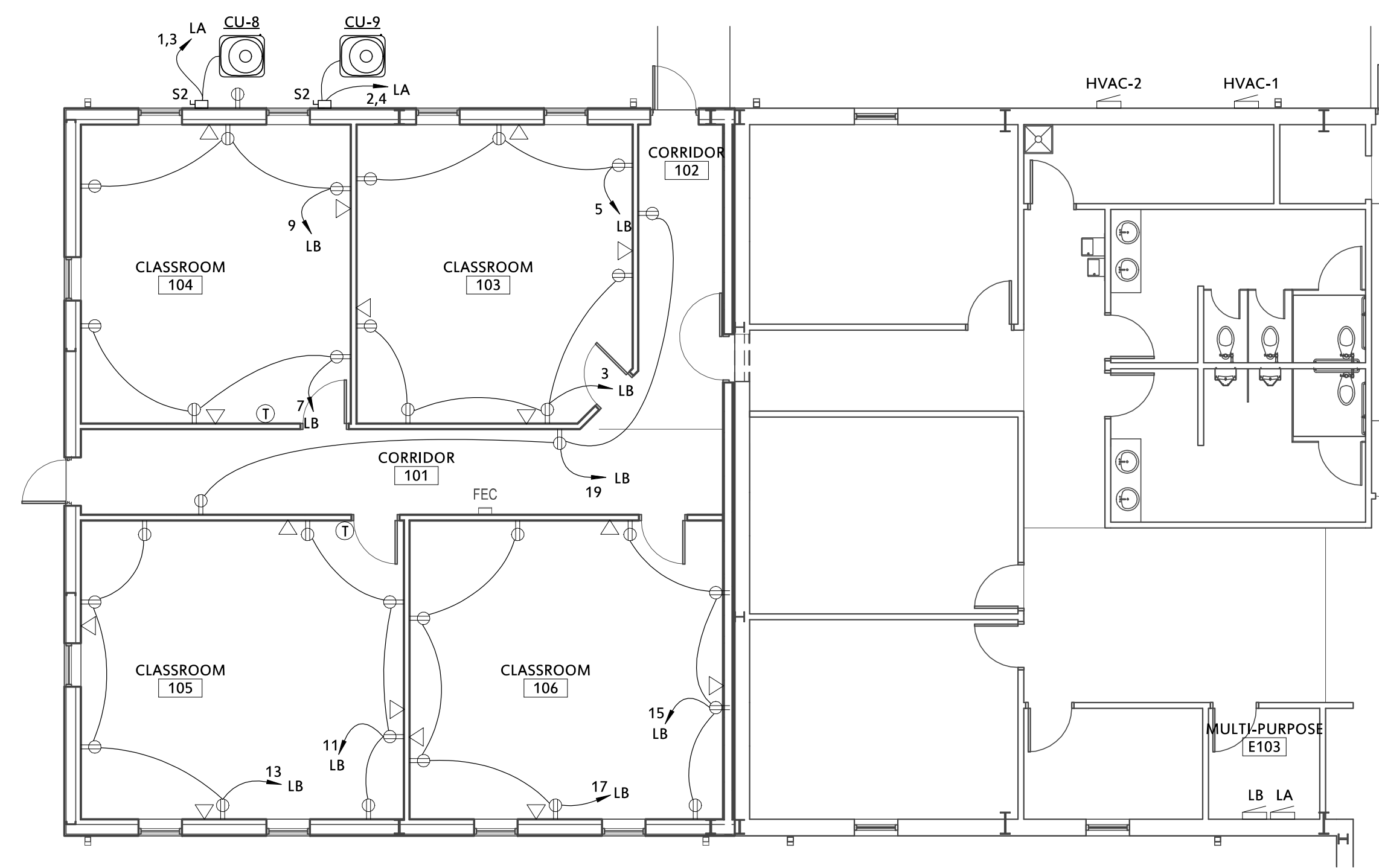
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 "The Team You"

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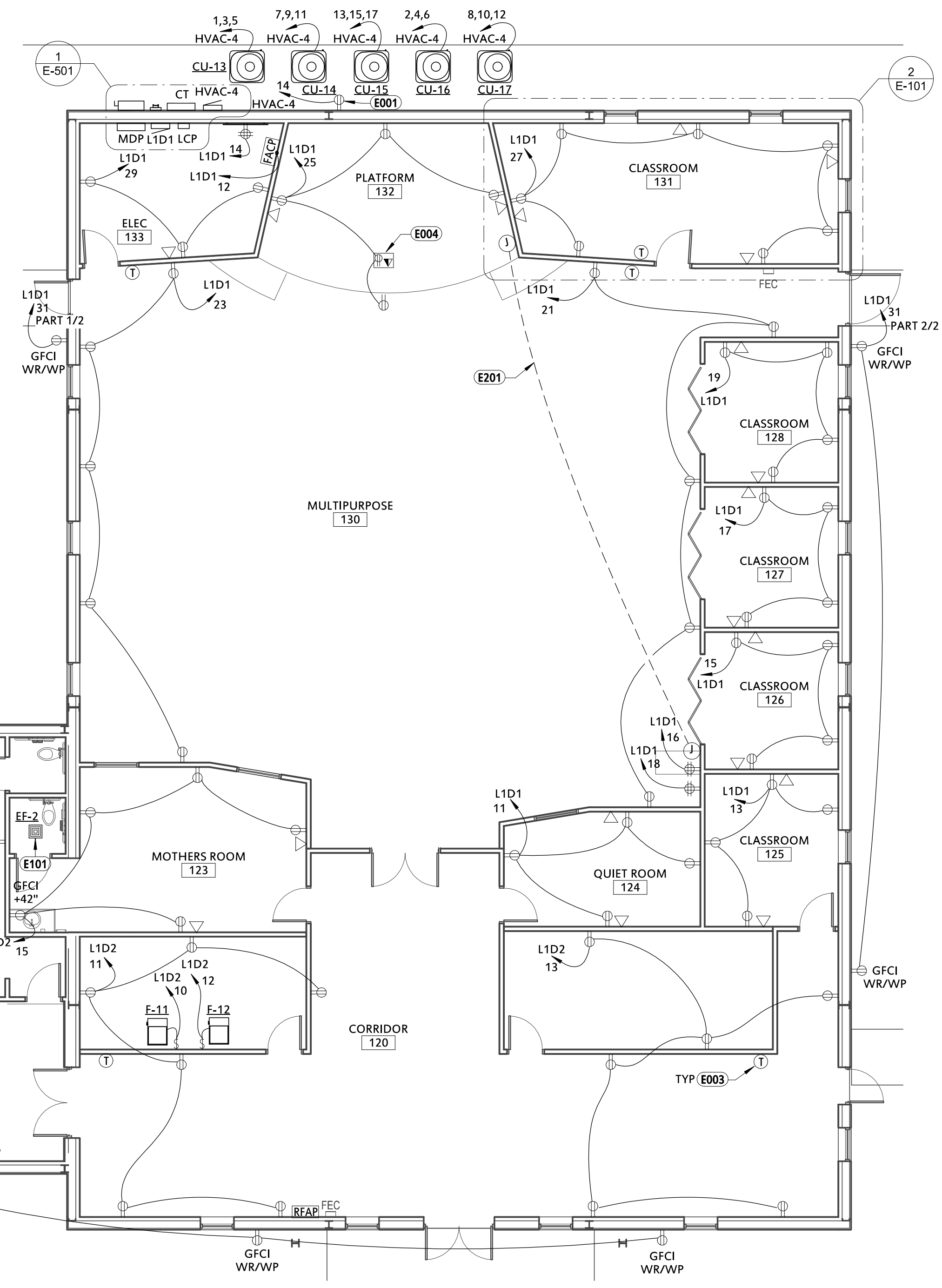
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 918.521.6669

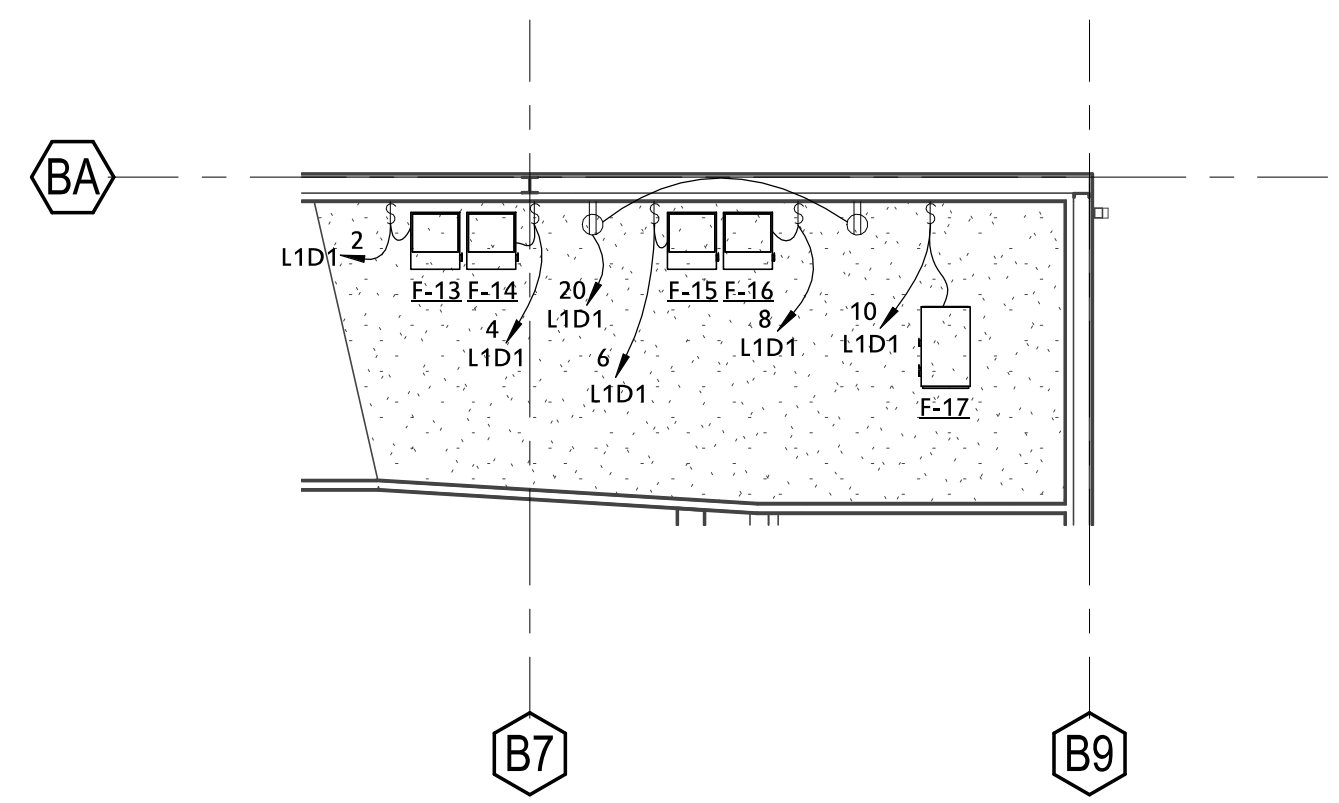
ELECTRICAL ENGINEER:
 Jennifer C. Keith, PE
 P.O. Box 7503
 Springdale, AR 72766
 jkeith@cs2ee.com
 479.790.0593



3 POWER AND COMMUNICATIONS PLAN - AREA A
 1/8" = 1'-0"



1 POWER AND COMMUNICATIONS PLAN - AREA B
 1/8" = 1'-0"



2 ENLARGED MECHANICAL PLATFORM - POWER
 1/8" = 1'-0" RE: 1/E-101

CONSTRUCTION SET
 10/12/2023

PRYOR CREEK MENNONITE CHURCH
 1919 W. 470
 PRYOR, OK 74361

REVISIONS

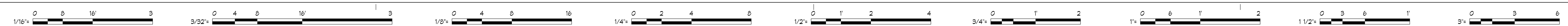
POWER AND COMMUNICATIONS PLANS

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 DRAWN BY: J. KEITH
 CHKD BY: J. KEITH

E-101
 SCALE 1/8" = 1'-0"



10/19/2023 14:46:19



LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	VOLTS	VA	LAMP	MOUNTING	NOTES
A1	2X4 TROFFER	MOBERN LIGHTING	RG 24 LED 20 DMV SW 35	120 V	20 VA	LED	RECESSED GRID	1,2
A1E	2X4 TROFFER	MOBERN LIGHTING	RG 24 LED 20 DMV SW 35 EM	120 V	20 VA	LED	RECESSED GRID	1,2,4
A2	2X4 TROFFER	MOBERN LIGHTING	RG 24 LED 54 DMV SW 35	120 V	54 VA	LED	RECESSED GRID	1,2
A2E	2X4 TROFFER	MOBERN LIGHTING	RG 24 LED 54 DMV SW 35 EM	120 V	54 VA	LED	RECESSED GRID	1,2,4
B1	CLOUD FIXTURE	SAYLITE	PUF 2 48L Y48W3500L DMV 35K	120 V	80 VA	LED	RECESSED GRID	1,2
D1	RECESSED DOWNLIGHT FIXTURE	HALO	HC620D010-HM612827-61MDH	120 V	21 VA	LED	RECESSED GYP	1,2
D1E	RECESSED DOWNLIGHT FIXTURE	HALO	HC620D010-REM7-HM612827-61MDH	120 V	21 VA	LED	RECESSED GYP	1,2,4
D2E	RECESSED DOWNLIGHT FIXTURE	HALO	HC630D010-REM14-HSA6-HM634835-61MDH	120 V	27 VA	LED	RECESSED	1,2,4
E1	EMERGENCY LIGHTING FIXTURE	SURE LITES	SEL50SD	120 V	5 VA	INTEGRAL	SURFACE	1,2,4
G1	VANITY FIXTURE	MOBERN LIGHTING	74 24 LED 24 DMV 35	120 V	24 VA	LED	WALL	1,2
S1	STRIP LIGHTING FIXTURE	METALUX	45NLED-LD5-18SL-LN-UNV-L835-CD1-U	120 V	30 VA	LED	SURFACE/PENDANT	1,2
S1E	STRIP LIGHTING FIXTURE	METALUX	45NLED-LD5-18SL-LN-UNV-EL14W-L835-CD1-U	120 V	30 VA	LED	SURFACE/PENDANT	1,2,4
W1	EXTERIOR WALL PACK	MCGRAW EDISON	ISW-SA1D-735-U-T4W-BZ-CBP	120 V	45 VA	LED	SURFACE/WALL +12'-0"AFG UNO	1,2,4
X1	CEILING MOUNTED EXIT SIGN	SURE LITES	LPX7SD	120 V	5 VA	INTEGRAL	SURFACE	1,2,4

LIGHTING FIXTURE SCHEDULE NOTES:

- ALL FIXTURES TO BE PROVIDED WITH 3500K CCT UNLESS NOTED OTHERWISE ON PLANS
- FIXTURES SHALL BE FURNISHED EXACTLY AS SPECIFIED ON SCHEDULE. SUBSTITUTIONS FOR SPECIFIED FIXTURE(S) SHALL MEET THE BASIC REQUIREMENTS AND BE EQUIVALENT TO THE FIXTURES SCHEDULED ABOVE.
- CONFIRM FINAL MOUNTING HEIGHT WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN
- PROVIDE EMERGENCY BATTERY PACK ON FIXTURES DESIGNATED ON PLANS AS EMERGENCY
- PROVIDE FIXTURE LISTED AND LABELED FOR DAMP LOCATIONS
- PROVIDE FIXTURE LISTED AND LABELED FOR WET LOCATIONS

KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
E104	CONNECT OCCUPANCY SENSORS SUCH THAT ANY SENSOR WILL CONTROL ENTIRE AREA(S) SHOWN TO BE SWITCHED (PER EACH SPACE NOTED). PROVIDE LOW VOLTAGE DUAL-TECHNOLOGY SENSORS (SENSOR SWITCH CM-PDT-10) WITH POWER PACKS AS REQUIRED TO ACCOMPLISH CONTROLS.
E106	CONFIRM SWITCHING CONFIGURATION WITH OWNER PRIOR TO MAKING FINAL CONNECTIONS.
E109	DO NOT SWITCH INDICATED FIXTURE VIA ROOM OCCUPANCY SENSOR.

LIGHTING GENERAL NOTES

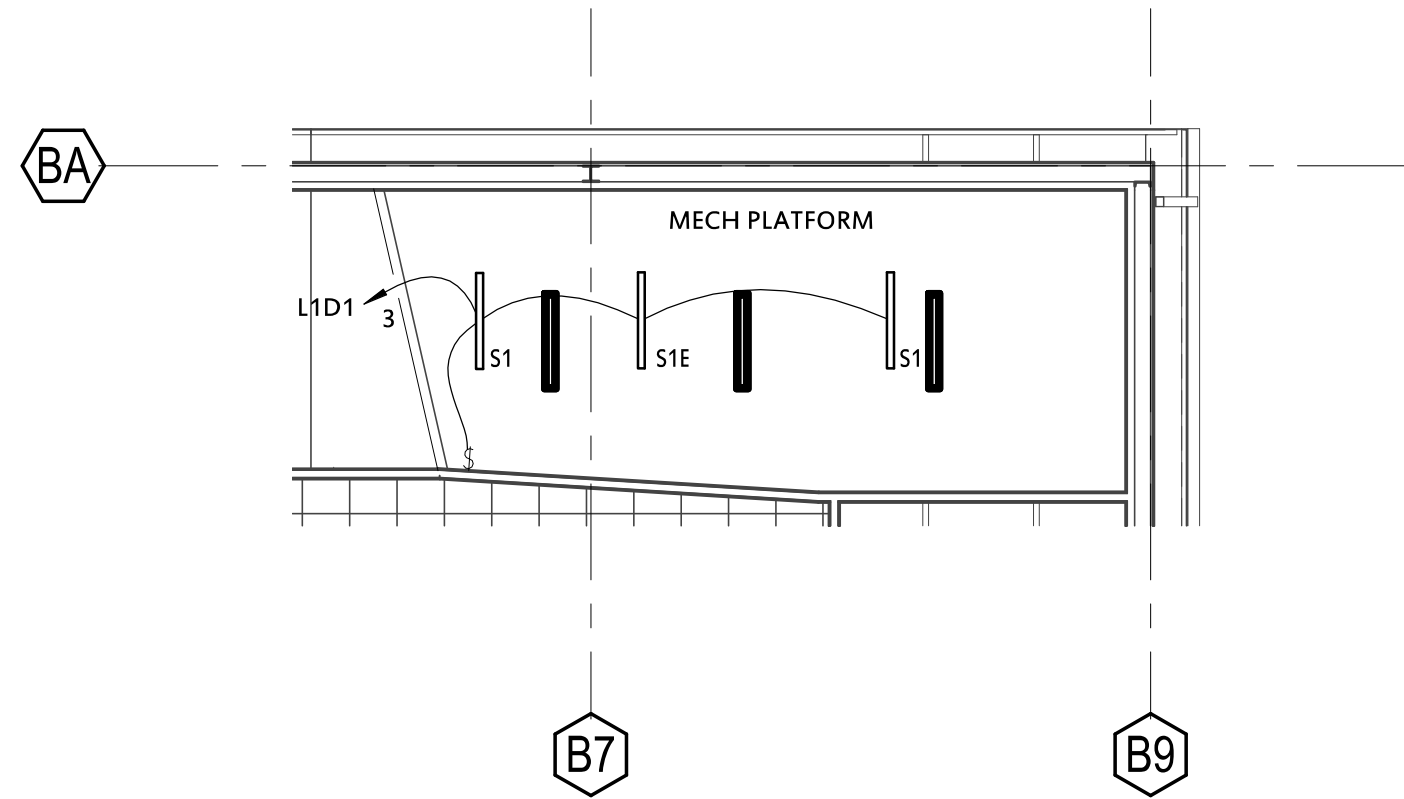
- LIGHTING FIXTURE LOCATIONS ARE SCHEMATIC IN NATURE. LOCATION ADJUSTMENTS PRIOR TO INSTALLATION SHALL BE MADE AT NO COST TO OWNER. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN.
- EXIT SIGNS: CONNECT TO THE UNSWITCHED LINE SIDE OF LIGHTING CIRCUIT OR NIGHT LIGHT CIRCUIT SERVING ADJACENT AREA.
 - IN AREAS WITHOUT CEILING, OR CEILINGS ABOVE 9'-0", MOUNT ON WALL CENTERED 12" ABOVE THE DOOR OPENING.
 - IN AREAS WITH CEILING, 9'-0" OR LESS ABOVE FINISH FLOOR, MOUNT ON CEILING CENTERED ABOVE THE DOOR OPENING.
 - WHEN NOT SHOWN ON WALL, MOUNT 12" BELOW CEILING AT LOCATION SHOWN.
- EMERGENCY LIGHTS: CONNECT TO THE UNSWITCHED LINE SIDE OF LIGHTING CIRCUIT OR NIGHT LIGHT CIRCUIT SERVING ADJACENT AREA.
 - INSTALL WALL MOUNTED TYPE ON WALL OR COLUMN, 12" BELOW CEILING.
 - INSTALL EXTERIOR WALL MOUNTED TYPE CENTERED 12" ABOVE DOOR OPENING.
 - CONNECT EMERGENCY BALLAST TO UNSWITCHED LINE SIDE OF LIGHTING CIRCUIT OR NIGHT LIGHT CIRCUIT SERVING ADJACENT AREA.

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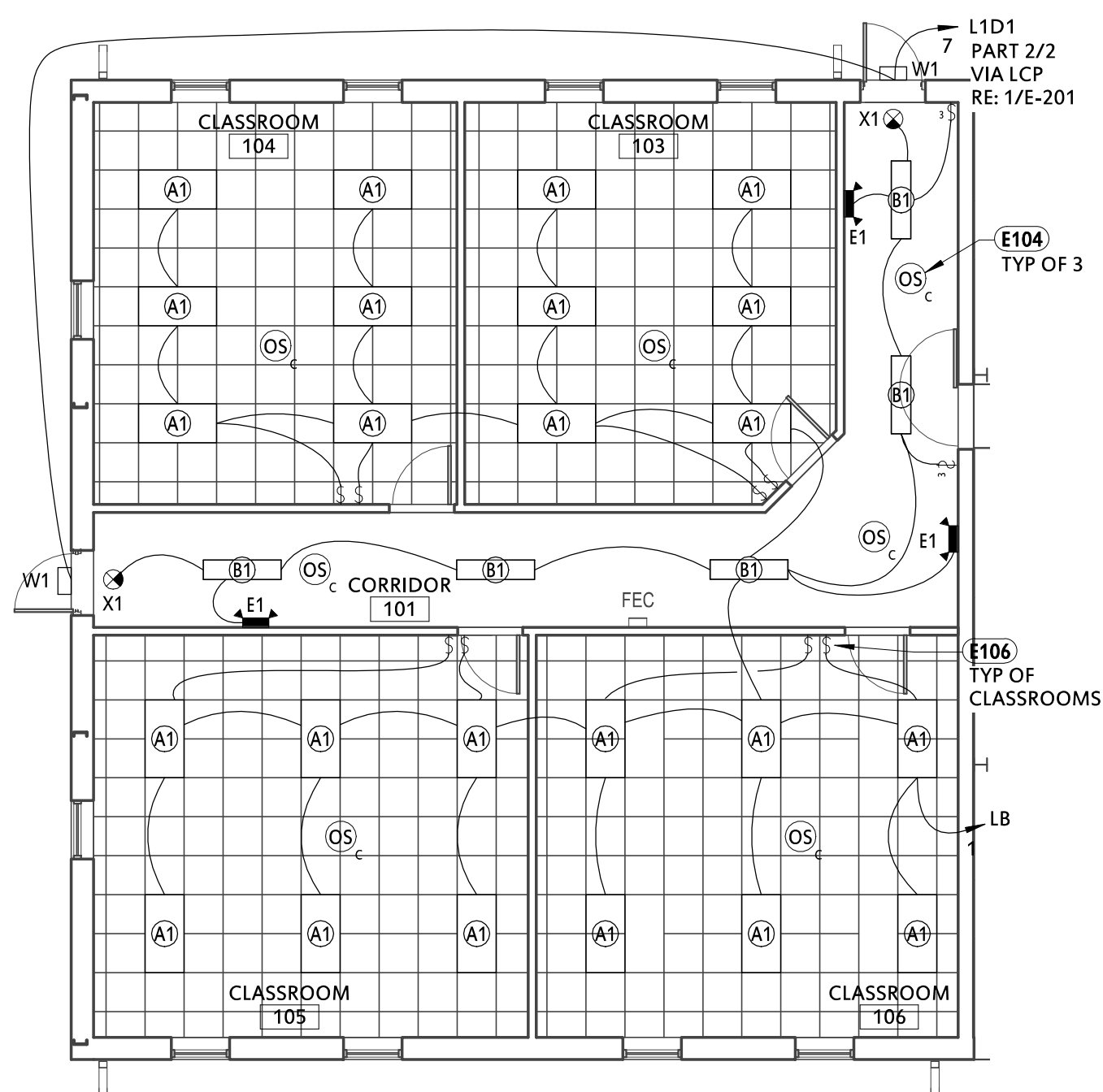
CONSULTANT:



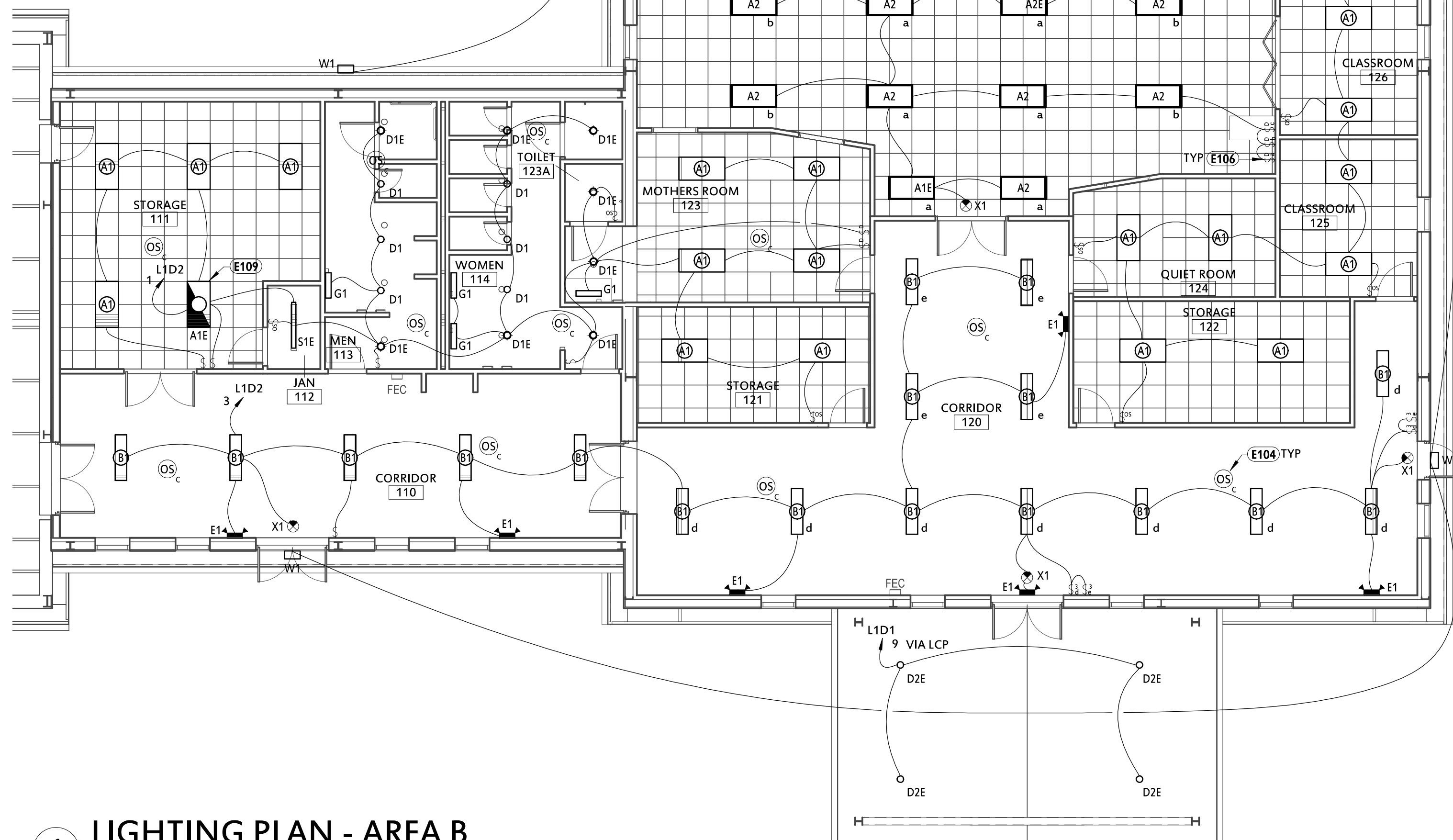
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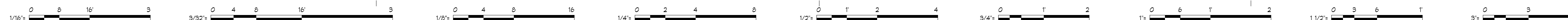
3 ENLARGED MECHANICAL PLATFORM - LIGHTING
 1/8" = 1'-0"



2 LIGHTING PLAN - AREA A
 1/8" = 1'-0"



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



CONSTRUCTION SET
 10/12/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

1919 W. 470
 PRYOR, OK 74361

REVISIONS

LIGHTING PLANS

JOB 2022.28
 ISSUE 10/12/2023
 DRAWN BY: J. KEITH
 CHKD BY: J. KEITH

E-201

SCALE 1/8" = 1'-0"



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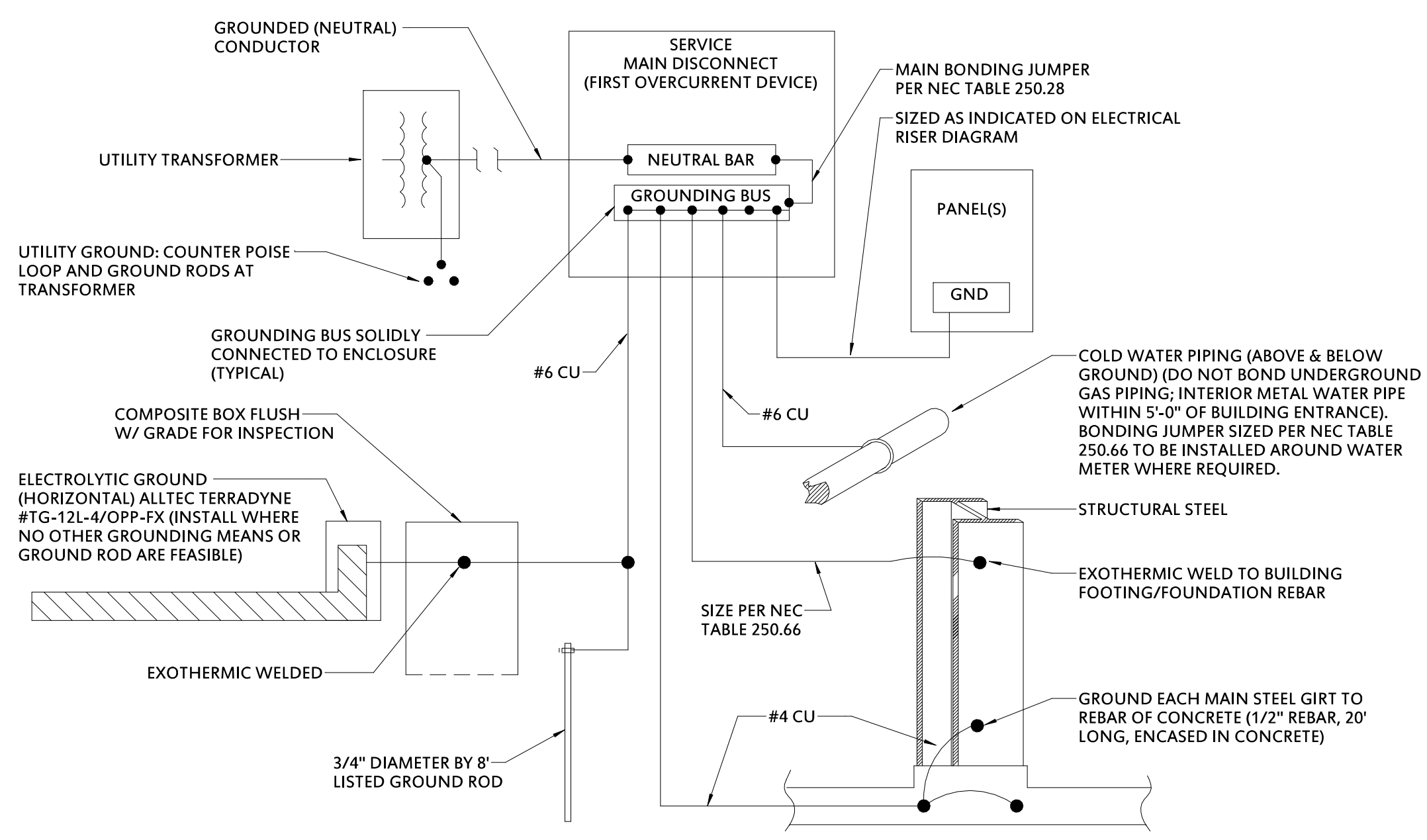
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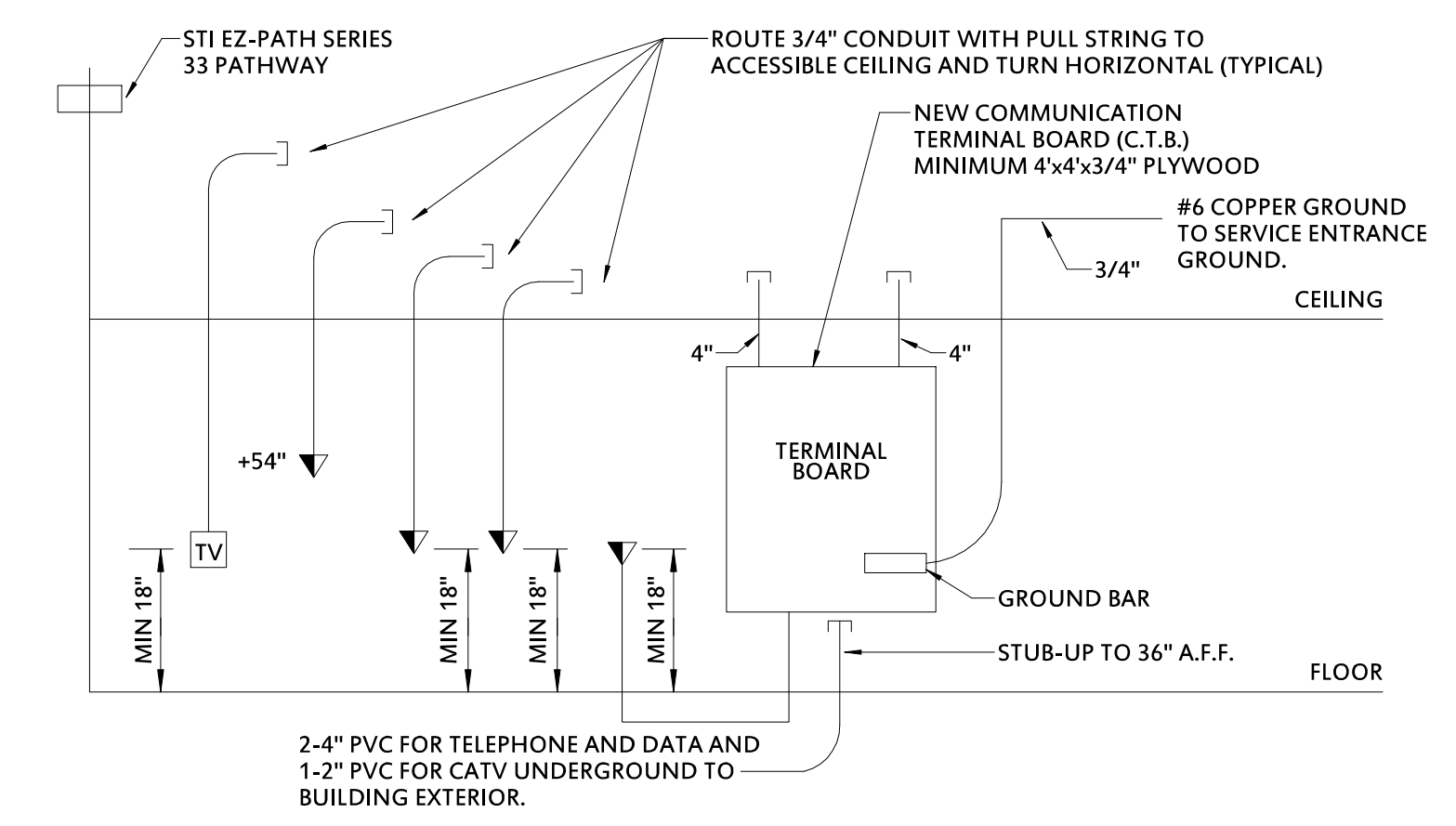
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ELECTRICAL RISER DIAGRAM NOTES

1. VERIFY WITH UTILITY COMPANY PRIOR TO BID AND INCLUDE ALL DIFFERENTIAL COSTS, CHANGES, FEES, CONNECTORS, ETC. WHICH MAY BE REQUIRED FOR CHANGES TO ELECTRICAL SERVICE AND FOR TEMPORARY POWER DURING CONSTRUCTION.
2. PANELBOARDS: LOCATE IN EXCLUSIVELY DEDICATED SPACES, IN ACCORDANCE WITH NEC 110.26(F). HORIZONTAL WALL SPACE OCCUPIED BY ELECTRICAL EQUIPMENT SHALL BE KEPT TO AN ABSOLUTE MINIMUM (2" MAXIMUM BETWEEN PANELS).
3. DO NOT USE RISER DIAGRAM TO LOCATE EQUIPMENT. REFER TO POWER PLANS FOR LOCATIONS.
4. RISER IS DIAGRAMMATIC, DEPICTING ELECTRICAL RELATIONSHIPS AND IS NOT INTENDED TO COMPLETELY SHOW ALL REQUIRED DEVICES AND ACCESSORIES.
5. PROVIDE A TYPED CIRCUIT DIRECTORY IN EACH NEW PANELBOARD.
6. PROVIDE PLASTIC NAMEPLATE WITH 3/4" MINIMUM, CONTRASTING COLOR ENGRAVED LETTERS IF NOT EXISTING FOR EACH PANELBOARD. THE NAMEPLATE SHALL BE BOLTED OR POP-RIVETED TO EQUIPMENT.
7. PROVIDE LEGRAND LP8 PEANUT PANEL OR EQUIVALENT. PROVIDE RELAYS AS REQUIRED FOR CONTROL OF EXTERIOR LIGHTING LOADS AS SHOWN ON PLANS. PROVIDE REMOTE PHOTO SENSOR MOUNTED ON THE BUILDING EXTERIOR, AIMED APPROXIMATELY NORTH, BUT NOT AT ANY ARTIFICIAL LIGHT SOURCE. COORDINATE PROGRAMMING OF ASTRO TIME CLOCK WITH OWNER.
8. PROVIDE LAMINATED PLASTIC LABEL WITH 1/2" MINIMUM, CONTRASTING COLOR ENGRAVED LETTERS IF NOT EXISTING FOR EACH PANELBOARD, STATING:
 "FEEDER POWER SUPPLY FOR PANEL [NAME] ORIGINATES AT PANEL [NAME]."



NOTE: BOND ALL STRUCTURAL STEEL AND INTERIOR METALLIC PIPING, INCLUDING BUT NOT LIMITED TO GAS PIPING AND FIRE SPRINKLER PIPING, PER NEC 250.104.
 NOTE: ALL CONNECTIONS SHOWN MAY NOT BE UTILIZED.



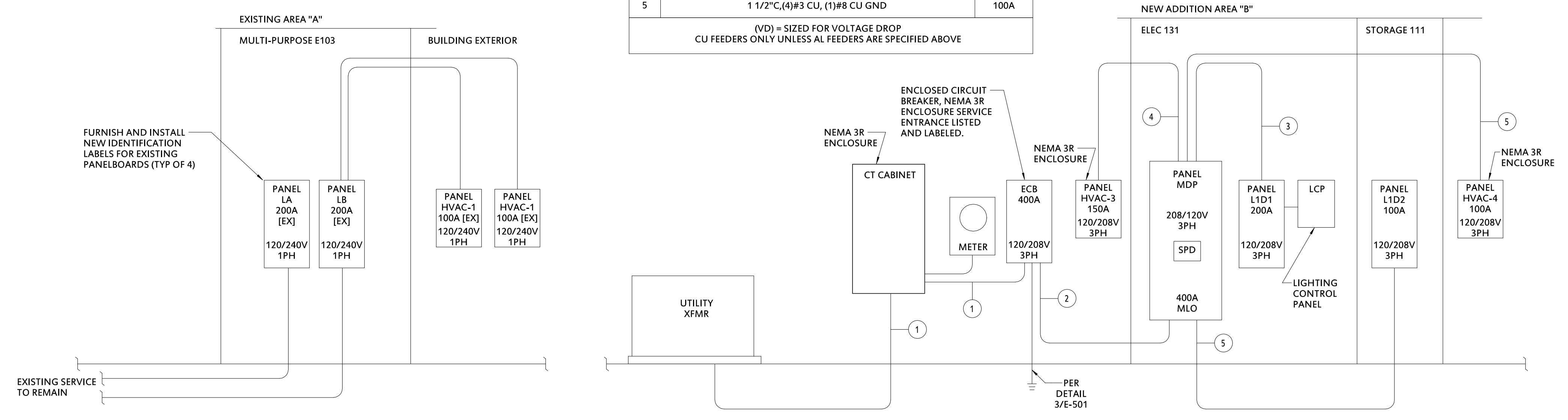
*NOTE: ALL CONNECTIONS SHOWN MAY NOT BE UTILIZED.

3 ELECTRICAL GROUNDING DIAGRAM
 N.T.S.

2 COMMUNICATION RISER DETAIL
 N.T.S.

FEEDER SCHEDULE		
MARK	WIRE AND CONDUIT SIZES	AMPERAGE
1	3"C, (4)#500Kcmil CU, (1) 3" SPARE CONDUIT (2) SETS 2-1/2"C, (4)#250Kcmil AL EACH, (1) 2 1/2" SPARE CONDUIT	400A SVC
2	3"C, (4)#500Kcmil CU, (1)#3 CU GND (2) SETS 2-1/2"C, (4)#250Kcmil AL, (1)#3 CU GND EACH	400A
3	2"C, (4)#3/0 CU, (1)#6 CU GND 2 1/2"C, (4)#4/0 AL, (1) #6 CU GND	200A
4	1 1/2"C, (4)#1/0 CU, (1)#6 CU GND 2"C, (4)#3/0 AL, (1)#6 CU GND	150A
5	1 1/2"C, (4)#3 CU, (1)#8 CU GND	100A

(VD) = SIZED FOR VOLTAGE DROP
 CU FEEDERS ONLY UNLESS AL FEEDERS ARE SPECIFIED ABOVE



1 ELECTRICAL RISER DIAGRAM
 N.T.S.

CONSTRUCTION SET
 10/12/2023

PRYOR CREEK MENNONITE CHURCH

1919 W. 470
 PRYOR, OK 74361

REVISIONS

ELECTRICAL DETAILS

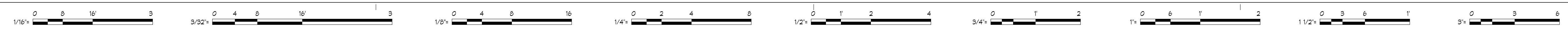
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 DRAWN BY: J. KEITH
 CHKD BY: J. KEITH

E-501

SCALE As indicated



10/13/2023 14:27:22



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MDP		ELECTRICAL PANEL										
AMP RATING: 400 A MAINS: MLO		VOLTS/PHASE: 120/208 Wye/3			SECTION(S): 1			A.I.C. Rating:				
WIRE W/GRD. BAR: 4		CIRCUIT: 30			TYPE: NF			MOUNTING: Surface				
					BUS: CU			NEMA: Type 1				
#	Circuit Description	Trip	P	W	A	B	C	W	P	Trip	Circuit Description	#
1					7.98	--		--	1	--	Space	2
3	PANELBOARD L1D1	200	3	(8)		6.14	--		--	1	Space	4
5											Space	6
7					5.85	--		--	1	--	Space	8
9	PANELBOARD L1D2	200	3	(8)		6.11	--		--	1	Space	10
11											Space	12
13					4.55	--			--	1	Space	14
15	PANELBOARD HVAC-3	100	3	(8)		4.40	--		--	1	Space	16
17											Space	18
19					10.22	--			--	1	Space	20
21	PANELBOARD HVAC-4	150	3	(8)		10.08	--		--	1	Space	22
23											Space	24
25	Space	--	1	--	--	--	--	--	--	1	Space	26
27	Space	--	1	--	--	--	--	--	--	1	Space	28
29	Space	--	1	--	--	--	--	--	--	1	Space	30
Connected Load:					27.39 kVA		25.51 kVA				25.84 kVA	
Connected Amps:					229 A		213 A				216 A	
Total Load:					79 kVA		219 A				219 A	
Demand Load:					76 kVA		210 A				210 A	

L1D1		ELECTRICAL PANEL											
AMP RATING: 200 A MAINS: MLO		VOLTS/PHASE: 120/208 Wye/3			SECTION(S): 1			A.I.C. Rating:					
WIRE W/GRD. BAR: 4		CIRCUIT: 42			TYPE: NQ			MOUNTING: Surface					
					BUS: CU			NEMA: Type 1					
#	Circuit Description	Trip	P	W	A	B	C	W	P	Trip	Circuit Description	#	
1	LTG - SANCTUARY (1)	20	1	12	1.31	1.35				12	1	FURNACE F-13 (2)	2
3	LTG - MECH PLATFORM (1)	20	1	12		0.09	1.35			12	1	FURNACE F-14 (2)	4
5	LTG - CLASSROOMS, ELEC (1)	20	1	12				0.45	1.35	12	1	FURNACE F-15 (2)	6
7	LTG - EXTERIOR WALL PACKS (1)	20	1	12	0.44	1.35				12	1	FURNACE F-16 (2)	8
9	LTG - EXTERIOR CANOPY (1)	20	1	12		0.11	1.35			12	1	FURNACE F-17 (2)	10
11	RECEPTS - QUIET ROOM 122	20	1	12				0.72	0.50	12	1	FIRE ALARM PANEL (1)	12
13	RECEPTS - CLASSROOM 123	20	1	12	0.72	0.36				12	1	RECEPT - TELEPHONE BOARD	14
15	RECEPTS - CLASSROOM 124	20	1	12		0.72	0.36			12	1	AV BOOTH	16
17	RECEPTS - CLASSROOM 125	20	1	12				0.72	0.36	12	1	AV BOOTH	18
19	RECEPTS - CLASSROOM 126	20	1	12	0.72	0.36				12	1	RECEPTS - MECH MEZZANINE	20
21	RECEPTS - SANCTUARY 128	20	1	12		0.90	0.00			--	1	Spare	22
23	RECEPTS - SANCTUARY 128	20	1	12			0.90	0.00		--	1	Spare	24
25	RECEPTS - PLATFORM 130	20	1	12	0.90	0.00				--	1	Spare	26
27	RECEPTS - CLASSROOM 129	20	1	12		1.26	0.00			--	1	Spare	28
29	RECEPTS - ELEC 131	20	1	12			0.54	--	--	--	1	Space	30
31	RECEPTS - OUTDOOR	20	1	12	0.54	--	--	--	--	--	1	Space	32
33	Space	--	1	--	--	--	--	--	--	--	1	Space	34
35	Space	--	1	--	--	--	--	--	--	--	1	Space	36
37	Space	--	1	--	--	--	--	--	--	--	1	Space	38
39	Space	--	1	--	--	--	--	--	--	--	1	Space	40
41	Space	--	1	--	--	--	--	--	--	--	1	Space	42
Connected Load:					7.98 kVA		6.14 kVA				5.52 kVA		
Connected Amps:					67 A		52 A				46 A		
Total Load:					20 kVA		55 A				54 A		
Demand Load:					20 kVA		54 A				54 A		

L1D2		ELECTRICAL PANEL											
AMP RATING: 100 A MAINS: MLO		VOLTS/PHASE: 120/208 Wye/3			SECTION(S): 1			A.I.C. Rating:					
WIRE W/GRD. BAR: 4		CIRCUIT: 30			TYPE: NQ			MOUNTING: Surface					
					BUS: CU			NEMA: Type 1					
#	Circuit Description	Trip	P	W	A	B	C	W	P	Trip	Circuit Description	#	
1	LTG - STOR. RR. MOTHERS RM (1)	20	1	12	0.78	1.60				12	3	20 WATER HEATER WH-1 (2)	2
3	LTG - CORRIDOR, GATHERING...	20	1	12		1.40	1.60						4
5	RECEPTS - RESTROOMS	20	1	12				0.90	1.60				6
7	RECEPTS - CORRIDOR 110	20	1	12	0.54	1.35				12	1	15 FURNACE F-10 (2)	8
9	RECEPTS - STORAGE 111	20	1	12		0.72	1.35			12	1	15 FURNACE F-11 (2)	10
11	RECEPTS - GATHERING 120	20	1	12			1.08	1.35		12	1	15 FURNACE F-12 (2)	12
13	RECEPTS - GATHERING 120	20	1	12	1.08	0.50				12	1	20 WATER COOLER - CORRIDOR 110	14
15	RECEPTS - MOTHER'S ROOM 121	20	1	12		0.90	0.18			12	1	20 RECIRC PUMP	16
17	Spare	20	1	--			0.00	0.54		--	1	20 RECEPTS - OUTDOOR	18
19	Spare	20	1	--	0.00	--	--	--	--	--	1	Space	20
21	Spare	20	1	--	--	0.00	--	--	--	--	1	Space	22
23	Spare	20	1	--	--	--	0.00	--	--	--	1	Space	24
25	Spare	20	1	--	0.00	--	--	--	--	--	1	Space	26
27	Spare	20	1	--	--	0.00	--	--	--	--	1	Space	28
29	Spare	20	1	--	--	--	0.00	--	--	--	1	Space	30
Connected Load:					5.85 kVA		6.11 kVA				5.47 kVA		
Connected Amps:					49 A		51 A				46 A		
Total Load:					17 kVA		48 A				48 A		
Demand Load:					17 kVA		48 A				48 A		

HVAC-3		ELECTRICAL PANEL											
AMP RATING: 100 A MAINS: MLO		VOLTS/PHASE: 120/208 Wye/3			SECTION(S): 1			A.I.C. Rating:					
WIRE W/GRD. BAR: 4		CIRCUIT: 18			TYPE: NQ			MOUNTING: Surface					
					BUS: CU			NEMA: Type 3R					
#	Circuit Description	Trip	P	W	A	B	C	W	P	Trip	Circuit Description	#	
1					1.38	0.18				12	1	20 RECEPT - HVAC MAINT	2
3	CONDENSING UNIT CU-10 (2)	40	2	8		1.38	0.00			--	1	20 Spare	4
5							3.02	0.00		--	1	20 Spare	6
7	CONDENSING UNIT CU-11 (2)	40	2	8	3.02	--				--	1	20 Spare	8
9						3.02	--			--	1	20 Spare	10
11	CONDENSING UNIT CU-11 (2)	40	2	8				3.02	--	--	1	20 Spare	12
13	Spare	20	1	--	0.00	--				--	1	20 Spare	14
15	Spare	20	1	--			0.00	--		--	1	20 Spare	16
17	Spare	20	1	--				0.00	--	--	1	20 Spare	18
Connected Load:					4.55 kVA		4.40 kVA				6.05 kVA		
Connected Amps:					38 A		37 A				51 A		
Total Load:					15 kVA		42 A				42 A		
Demand Load:					15 kVA		42 A				42 A		

HVAC-4		ELECTRICAL PANEL												
AMP RATING: 150 A MAINS: MLO		VOLTS/PHASE: 120/208 Wye/3			SECTION(S): 1			A.I.C. Rating:						
WIRE W/GRD. BAR: 4		CIRCUIT: 18			TYPE: NQ			MOUNTING: Surface						
					BUS: CU			NEMA: Type 3R						
#	Circuit Description	Trip	P	W	A	B	C	W	P	Trip	Circuit Description	#		
1					2.02	2.02							2	
3	CONDENSING UNIT CU-13 (2)	35	3	8		2.02	2.02			8	3	35 CONDENSING UNIT CU-16 (2)	4	
5							2.02	2.02					6	
7					2.02	2.02							8	
9	CONDENSING UNIT CU-14 (2)	35	3	8		2.02	2.02			8	3	35 CONDENSING UNIT CU-17 (2)	10	
11								2.02	2.02				12	
13	CONDENSING UNIT CU-15 (2)	35	3	8	2.02	0.18		2.02	0.00		12	1	20 RECEPT - HVAC MAINT	14
15										--	1	20 Spare	16	
17										--	1	20 Spare	18	
Connected Load:					10.22 kVA		10.08 kVA				10.08 kVA			
Connected Amps:					85 A		84 A				84 A			
Total Load:					30 kVA		84 A				84 A			
Demand Load:					30 kVA		84 A				84 A			

LA		[EXISTING] ELECTRICAL PANEL											
AMP RATING: 200 A MAINS: MCB		VOLTS/PHASE: 120/208 Single/1			SECTION(S): 1			A.I.C. Rating: ex					
MCB RATING: 200 A		CIRCUIT: 40			TYPE: ex			MOUNTING: Surface					
					BUS: ex			NEMA: Type 1					
#	Circuit Description	Trip	P	W	A	B	C	W	P	Trip	Circuit Description	#	
1	CONDENSING UNIT CU-8 (2)	40	2	8	2.00	2.00				8	2	40 CONDENSING UNIT CU-9 (2)	2
3							2.00	2.00					4
5	existing load	20	1	--	0.00	0.00				--	1	20 Spare	6
7	existing load	20	1	--		0.00	0.00			--	1	20 existing load	8
9	existing load	20	1	--	0.00	0.00				--	1	20 existing load	10
11	existing load	20	1	--			0.00						

GENERAL NOTES

- ALL PLUMBING AND NATURAL GAS SHALL BE INSTALLED AS PER THE REQUIREMENTS OF STATE PLUMBING CODE, "2009 INTERNATIONAL FUEL GAS CODE", THE LATEST EDITION OF NFPA, ALL CODES AND ORDINANCES GOVERNED BY AUTHORITY HAVING JURISDICTION (AHJ) AND DIVISION 22 SPECIFICATIONS.
- ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT, OR GEOMETRIC RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING, OR COMPONENT. CONTRACTOR SHALL NOT SCALE DRAWINGS. INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS, OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE-VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH. THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) IF INFORMATION CONFLICTS. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND OTHER DRAWINGS FOR COMPLETE INFORMATION.
- BY NECESSITY, THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS, THE SELECTION OF WHICH HAS IMPACTED THE DESIGNS OF OTHER TRADES (HVAC, ELECTRICAL, STRUCTURAL, ETC.). IF ALTERNATE MANUFACTURERS, FUEL SOURCES, SIZES, OR MODEL NUMBERS ARE SUBMITTED OR BID, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS TO COORDINATE ALL DIFFERENCES PRIOR TO BID. NO EXTRAS WILL BE ALLOWED FOR CHANGES REQUIRED TO OTHER TRADES IF ALTERNATE EQUIPMENT IS BID OR INSTALLED AT THE CONTRACTOR'S OPTION.
- EXCEPT WHERE MODIFIED BY SPECIFIC NOTATION TO THE CONTRARY, IT SHALL BE UNDERSTOOD THAT THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS OR BOTH, CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM, REGARDLESS OF WHETHER OR NOT THE INSTRUCTION IS IMPLICITLY STATED AS PART OF THE INDICATION OR DESCRIPTION.
- THE CONTRACTOR SHALL PAY ALL UTILITY CHARGES AND FEES AS PART OF BASE BID IN THE CONTRACT.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY CONDITIONS PRIOR TO BIDDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THE WORK OF OTHER TRADES, I.E., ARCHITECTURAL, HVAC, ELECTRICAL, STRUCTURAL, FIRE PROTECTION AND CIVIL, PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE UTILITY LOCATIONS, SIZES AND INVERT ELEVATIONS PRIOR TO CONSTRUCTION. I.E., SANITARY SEWER, STORM DRAIN, FIRE PROTECTION, DOMESTIC WATER AND NATURAL GAS. ALL SERVICES SHALL TERMINATE FIVE (5) FEET OUTSIDE THE BUILDING, EXCEPT WHERE SHOWN OTHERWISE. SEE SITE UTILITY DRAWINGS FOR CONTINUATION OF ALL SERVICES.
- PROVIDE ISOLATION VALVES AT EACH FIXTURE GROUP OR BATTERY OF FIXTURES IN THE DOMESTIC CW, HW, HWR AND GAS PIPING. VALVES SHALL BE EASILY ACCESSIBLE. WHERE HARD CEILINGS ARE LOCATED, VALVES SHALL BE ACCESSED THROUGH ACCESS PANELS. ACCESS PANELS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO CONSTRUCTION. WHERE ATTIC WALKS ARE PROVIDED, THE ISOLATION VALVES SHALL BE LOCATED NOT MORE THAN THREE (3) FEET FROM WALKS.
- PROVIDE STOP VALVES AT ALL PLUMBING FIXTURES ON BOTH COLD AND HOT WATER SUPPLY LINES. VALVES, ESCUTCHEONS, FITTINGS, ETC., SHALL BE CHROME PLATED AND INSTALLED TIGHT TO WALL. WHERE PIPING IS EXPOSED, CHROME PLATED PIPE SHALL BE USED.
- SLOPE 2-1/2" AND SMALLER SANITARY SEWER LINES AT MINIMUM 1/4" FALL PER FT., AND 3" AND LARGER SANITARY SEWER LINES AT MINIMUM 1/8" FALL PER FOOT. SANITARY SEWER AND DOMESTIC WATER SHALL BE A MINIMUM OF TEN (10) FEET APART OR THE DOMESTIC WATER SHALL BE 12" ABOVE THE TOP OF THE SEWER LINE, AT ITS HIGHEST POINT, IF PLACED IN SAME TRENCH.
- PROVIDE FITTINGS, TRANSITIONS, COUPLINGS, ADAPTERS, UNIONS AND OTHER ACCESSORIES NEEDED TO COMPLETE CONNECTIONS AND PROPER OPERATIONS OF PLUMBING FIXTURES AND PLUMBING EQUIPMENT.
- REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS OF PLUMBING FIXTURES AND EQUIPMENT, AND PROPER APPLICATIONS OF THE SAME.
- PROVIDE CLEANOUTS IN ALL SEWERS, WHETHER SHOWN OR NOT, AT INTERVALS NOT TO EXCEED 100' AT EACH CHANGE OF DIRECTION GREATER THAN 45 DEGREES, AND AT THE BASE OF ALL VERTICAL RISER STACKS (APPROX. 24" ABOVE FINISHED FLOOR).
- WHERE WATER PRESSURES EXCEED 80 PSI, PROVIDE WATER PRESSURE REDUCING VALVE (PRV) WITH UPSTREAM STRAINER IN WATER SUPPLY LINE, SETTING AT 80 PSI. SEE CODE AND MANUFACTURER'S INFORMATION FOR ACCEPTABLE PRESSURE REQUIREMENTS.
- ALL PIPING PENETRATIONS OF A RATED CEILING MUST BE MADE WITH METAL PIPE OR U.L. LISTED, APPROVED DEVICES. FIRE STOP ALL PIPE PENETRATIONS THROUGH RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS, RATINGS, AND FIRE STOPPING DETAILS.
- DO NOT ROUTE ANY PIPING OVER ELECTRICAL ROOMS, COMPUTER ROOMS, OR ELECTRICAL PANELS.
- INSTALL AN A.G.A. LISTED GAS COCK, DIRT LEG AND UNION IMMEDIATELY UPSTREAM OF EQUIPMENT CONNECTIONS. WHERE REQUIRED, PROVIDE AN A.G.A. LISTED GAS REGULATOR. THE GAS VENT SHALL BE DIRECTED DOWNWARD, OR PIPED TO AVOID CONTAMINATES. GAS REGULATORS SHALL NOT BE INSTALLED IN AIR PLENUMS (SEE HVAC DRAWINGS FOR PLENUM LOCATIONS).
- ALL DOMESTIC WATER AND SPRINKLER PIPING ROUTED IN AREAS SUBJECT TO FREEZING TEMPERATURES SHALL BE ROUTED BELOW INSULATION AND WITHIN THE HEATED ENVELOPE OF THE BUILDING. SEE ARCHITECTURAL DRAWINGS FOR INSULATION PLACEMENT AND DETAILS.
- UNLESS OTHERWISE INDICATED, DO NOT ROUTE PIPING IN EXTERIOR WALLS. WHEN ROUTED IN EXTERIOR WALLS, CAREFULLY POSITION WATER PIPING ON THE HEATED SIDE (INTERIOR SIDE) OF THE WALL INSULATION.
- MAINTAIN 15'-0" MINIMUM CLEARANCE BETWEEN FRESH AIR INTAKES, OPERABLE WINDOWS AND FLUES, PLUMBING VENTS, AND GAS REGULATORS.
- ALL STORM DRAIN, CONDENSATE DRAIN, SEWER AND VENT PIPING SHALL BE RODDED AND CLEANED AT THE END OF CONSTRUCTION. ALL TRAPS SHALL BE CLEANED AND PRIMED AT THE END OF CONSTRUCTION.
- ALL PIPE DROPS FROM CEILING SPACE TO FLOOR SHALL BE MADE IN FURR OUTS AT COLUMNS, IN WEB OF BEAMS AT COLUMNS, OR IN WALLS. PIPING SHALL BE CONCEALED UNLESS APPROVED OTHERWISE BY ARCHITECT.
- PROVIDE WATER HAMMER ARRESTORS IN FIXTURE BRANCHES WHERE QUICK-CLOSING VALVES ARE INSTALLED (I.E., FLUSH VALVES, ICE MAKERS, DISHWASHERS, ETC.).
- UNDER SLAB DOMESTIC WATER PIPING TO BE TYPE "K" SOFT DRAWN COPPER WITHOUT FITTINGS OR JOINTS. SLEEVE PIPING IN ENTIRETY WITH 4 MIL THICK POLYETHYLENE SLEEVE MATERIAL. HOT WATER SUPPLY AND RETURN PIPING SLEEVE MATERIAL SHALL BE RED. ALL OTHER PIPING SLEEVE MATERIAL SHALL BE BLUE.
- PROVIDE APPROVED BACKFLOW PREVENTION, OR ANTI-SIPHON DEVICES AT ALL FIXTURES THAT COULD CONTAMINATE THE POTABLE WATER SYSTEM.
- INSULATE ALL WATER, CONDENSATE, STORM DRAIN PIPING (VERTICAL AND HORIZONTAL) AND ROOF DRAIN BODIES ABOVE FINISHED FLOOR. SEE DIVISION 22 SPECIFICATIONS FOR INSULATION THICKNESS SCHEDULE.
- INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING FOR ACCESSIBLE FIXTURES AS PER ANSI A117.1 AND A.D.A. REQUIREMENTS.
- ALL EXPOSED MATERIALS WITHIN RETURN AIR PLENUMS (EXISTING AND NEW) SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25, AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50, AS DETERMINED IN ACCORDANCE WITH ASTM E84 AND U.L. LISTINGS. IF ANY MATERIALS (EXISTING OR NEW) DO NOT MEET THESE STANDARDS, THE ITEMS SHALL BE ENCLOSED IN A GYPSUM BOARD ENCLOSURE, OR BE REPLACED WITH PLENUM RATED MATERIALS (I.E., CAST IRON), OR BE WRAPPED WITH AN APPROVED FIRE RATING MATERIAL. PLASTIC PIPING (PVC, ABS CPVC) IS NOT APPROVED TO BE INSTALLED WITHIN RETURN AIR PLENUMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTING CONDITIONS (WHETHER SHOWN ON THE PLANS OR NOT) AND INCLUDE THE REPLACEMENT AND/OR WRAPPING OF THESE ITEMS IN THE BID PRICE (SEE NOTE 7 ABOVE). COORDINATE RETURN AIR PLENUM LOCATIONS AND ANY NOTED DISCREPANCIES FROM THE PLANS WITH MECHANICAL ENGINEER PRIOR TO BID.
- GAS VALVES SHALL NOT BE LOCATED IN RETURN AIR PLENUMS. WHERE EXISTING GAS VALVES ARE LOCATED IN RETURN AIR PLENUMS, THESE VALVES SHALL BE RELOCATED.
- FLOOR DRAINS IN MECHANICAL ROOMS ARE SHOWN FOR GENERAL LOCATION, ONLY. FLOOR DRAINS SHALL BE ACCESSIBLE AND SHALL BE VERIFIED WITH EQUIPMENT LAY-OUT FOR INTERFERENCES.
- AN APPROVED TRAP SEAL DEVICE SHALL BE INSTALLED AT ALL FLOOR AND HUB DRAINS. ALL DRAINS SHALL HAVE 4" DEEP SEAL TRAPS, MINIMUM. INSTALL TRAP SEAL DEVICES AS PER MANUFACTURER'S INSTRUCTIONS.
- UNDERGROUND SANITARY DRAIN PIPE SHALL BE SERVICE WEIGHT HUB AND SPIGOT CAST IRON WITH PUSH-ON GASKETS, UNLESS NOTED OTHERWISE. ABOVE GROUND SANITARY DRAIN PIPING SHALL BE SERVICE WEIGHT CAST IRON WITH NO-HUB FITTINGS, OR SCH. 40 PVC. DRAIN AND VENT PIPING BRANCHES MAY BE COPPER OR PVC. PVC PIPING IS NOT ALLOWED IN PLENUM RATED AREAS.
- INSULATE DOMESTIC COLD WATER AND HOT WATER PIPING INSIDE THE BUILDING WITH 1" FIBERGLASS INSULATION WITH VAPOR BARRIER, OR EQUIVALENT ARMAFLEX TYPE INSULATION. 1/2" INSULATION MAY BE USED FOR BRANCH PIPING IN WALL CAVITIES FOR INDIVIDUAL FIXTURES.
- CAP ALL PIPE OPENINGS, AT END OF WORK DAY, DURING CONSTRUCTION.
- TEST ALL NEW PLUMBING SERVICES INSTALLED AS PART OF CONTRACT.
- INSTALL PIPING PARALLEL AND PERPENDICULAR TO BUILDING WALLS AND PARTITIONS, UNLESS DIRECTED OTHERWISE.
- MAKE CHANGES IN DIRECTION WITH FITTINGS. MAKE CHANGES IN MAIN SIZES WITH ECCENTRIC REDUCING FITTINGS. INSTALL WATER SUPPLY AND RETURN PIPING WITH THE STRAIGHT SIDE OF THE ECCENTRIC FITTING AT THE TOP OF THE PIPE AND SLOPE THE BRANCHES TO THE MAIN.
- MAKE CHANGES IN PIPE SIZE NOTED ON THE PLANS AFTER THE LAST FITTING OF THE LARGER PIPE. WHEN SUPPLY PIPES ARE LARGER THAN THE EQUIPMENT CONNECTIONS, REDUCE IMMEDIATELY PRIOR TO ENTRY. VALVES AND UNIONS SHALL BE FULL SIZE - NOT EQUIPMENT SIZE.
- CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR ALL PLUMBING ITEMS AND THEIR REQUIREMENTS TO PROVIDE A FULLY FUNCTIONAL PLUMBING FIXTURE, WHETHER SHOWN ON PLANS OR SPECIFICATIONS, OR NOT, AT NO ADDITIONAL COST.
- CONTRACTOR/S SHALL BE LICENSED TO PERFORM WORK IN THE STATE IN WHICH THIS PROJECT WILL BE COMPLETED. CONTRACTOR/S SHALL MAINTAIN A COPY OF THEIR LICENSES WITH THEM TO SHOW TO INSPECTORS WHERE REQUIRED BY LOCAL CODES.

LEGEND

(ALL SYMBOLS MAY NOT BE USED)

ABBREVIATIONS

AA	AIR ADMITTANCE VALVE
V	ABOVE COUNTER
ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AFC	ABOVE FINISHED CEILING
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
APPROX	APPROXIMATE
BC	BELOW COUNTER
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISH GRADE
CW	COLD WATER
DEG (°)	DEGREE
DIA	DIAMETER
ELEV	ELEVATION
EX	EXISTING
GAL	GALLONS
GPH	GALLONS PER HOUR
HT	HEIGHT
HP	HORSEPOWER
HW	HOT WATER
HWR	HOT WATER RETURN
ID	INSIDE DIAMETER/DIMENSION
KW	KILOWATT
LF	LINEAR FEET
MAX	MAXIMUM
NA	NOT APPLICABLE
NO	NUMBER
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER/DIMENSION
PSI	POUNDS PER SQUARE INCH
PRESS	PRESSURE
RECIRC	RECIRCULATE
QTY	QUANTITY
RA	RETURN AIR
SPEC	SPECIFICATION
SS	SANITARY SEWER
SW	SPRING WATER
TEMP	TEMPERATURE
TFD	TO FLOOR DRAIN
TOT	TOTAL
V	VENT
VEL	VELOCITY
VERT	VERTICAL
VLV	VALVE
VOL	VOLUME
VTR	VENT THRU ROOF
WTR	WATER
WT	WEIGHT

PLUMBING SYMBOLS

	ELBOW DOWN
	RISER UP
	PIPE DOWN
	TEE (TOP, SIDE, BOTTOM)
	UNION CONNECTION
	CHECK VALVE
	ISOLATION VALVE (VERTICAL INSTALLATION)
	ISOLATION VALVE
	GATE VALVE
	BALL VALVE
	HWR CIRCUIT FLOW CONTROL VALVE
	NATURAL GAS COCK
	REDUCED PRESSURE ZONE BACKFLOW ASSEMBLY (RZBP)
	FIRE PROTECTION DOUBLE CHECK BACKFLOW ASSEMBLY (DCBP)
	FIRE DEPARTMENT SIAMESE CONNECTION (FDC)
	WALL MTD.
	FREE STANDING
	4RD PRIMARY ROOF DRAIN
	4ERD EMERGENCY ROOF DRAIN
	NATURAL GAS METER W/ REG.
	NATURAL GAS REGULATOR
	DOMESTIC WATER METER
	HOSE BIBB
	NATURAL GAS CONNECTION
	COMPRESSED AIR OUTLET
	NEW PLUMBING FIXTURE
	EXISTING PLUMBING FIXTURE
	AIR ADMITTANCE VALVE (MAXI STUDOR VENT)
	FLOOR DRAIN (FD)
	HUB DRAIN (HD)
	FLOOR SINK (FS) FULL GRATE
	FLOOR SINK (FS) 1/2 GRATE
	FLOOR SINK (FS) 3/4 GRATE

DOMESTIC WATER & FIRE PROTECTION

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER (110°F)
	DOMESTIC HOT WATER RETURN (140°F)
	DOMESTIC HOT WATER (160°F)
	DOMESTIC HOT WATER RETURN (140°F)
	DOMESTIC HOT WATER RETURN (160°F)
	FILTERED WATER
	UNDER SLAB PIPING
	DOMESTIC WATER SITE DOMESTIC
	WATER FIRE PROTECTION

DOMESTIC SEWER

	SANITARY SEWER
	SEWER VENT
	ACID WASTE SEWER
	ACID VENT
	SITE SANITARY SEWER
	SUMP PUMP DISCHARGE - SEWER
	PUMP DISCHARGE - SEWER
	PRIMARY STORM DRAIN - SEWER
	EMERGENCY STORM DRAIN - SEWER
	GREASE WASTE - SEWER
	OIL WASTE - SEWER
	COMBINATION GREASE WASTE & VENT
	COMBINATION WASTE & VENT
	FLOOR CLEANOUT (SIZE SHALL BE SAME AS CARRIER PIPE)
	CLEANOUT TO GRADE (SIZE SHALL BE SAME AS CARRIER PIPE)
	DOUBLE CLEANOUT TO GRADE (SIZE SHALL BE SAME AS CARRIER PIPE)
	WALL CLEANOUT

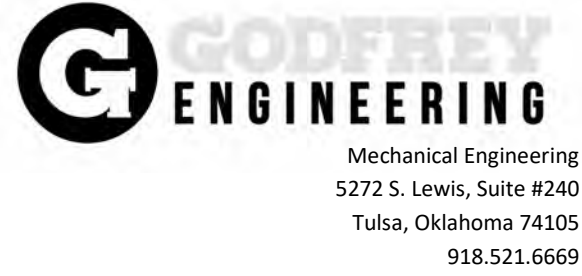
NATURAL GAS / PROCESS PIPING

	NATURAL GAS (LOW PRESSURE)
	NATURAL GAS (MEDIUM PRESSURE)
	COMPRESSED AIR
	VACUUM
	OXYGEN
	OXYGEN



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CONSTRUCTION SET
10/12/2023

**PRYOR CREEK
MENNONITE
CHURCH**

1919 W. 470
PRYOR, OK 74361

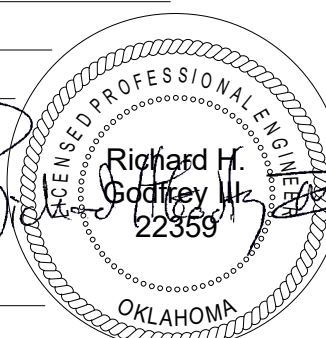
REVISIONS

**PLUMBING LEGEND AND
GENERAL NOTES**

JOB 2022.28
ISSUE 10/12/2023
DRAWN BY: RHG
CHK'D BY: RHG

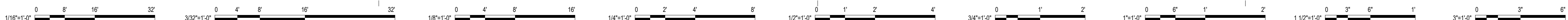
P-001

SCALE 1/8" = 1'-0"

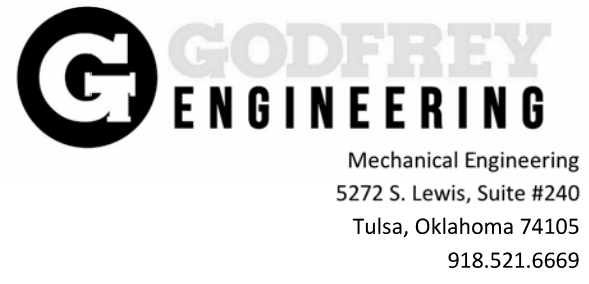


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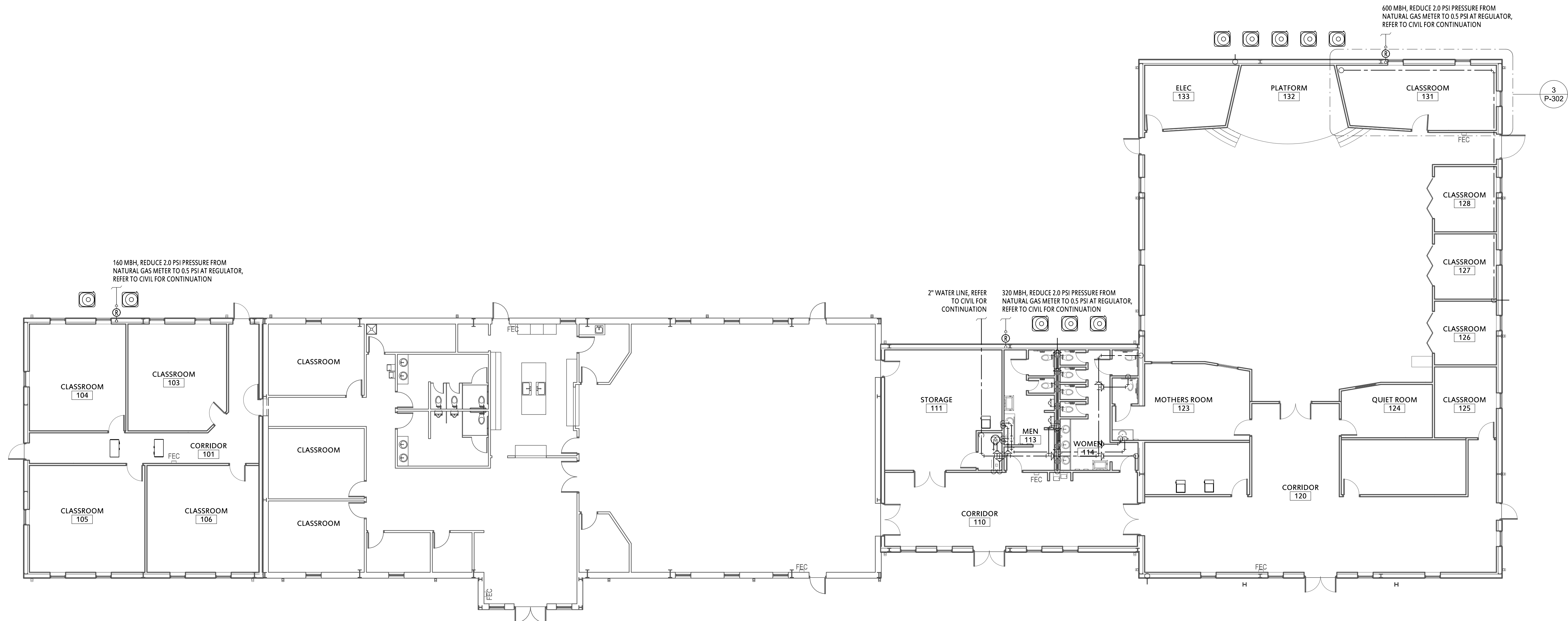
NATURAL GAS LOAD SUMMARY	
EQUIPMENT	MBH
F-8	80.0
F-9	80.0
F-10	80.0
F-11	120.0
F-12	120.0
F-13	120.0
F-14	120.0
F-15	120.0
F-16	120.0
F-17	120.0
EXISTING LOAD	660.0
TOTAL	1,740.0

LEGEND

1. REFER TO SHEET P-001 FOR LEGEND.

GENERAL NOTES

1. REFER TO SHEET P-001 FOR GENERAL NOTES.



1 OVERALL FIRST FLOOR PLUMBING PLAN
3/32" = 1'-0"

CONSTRUCTION SET
10/12/2023

**PRYOR CREEK
MENNONITE
CHURCH**

1919 W. 470
PRYOR, OK 74361

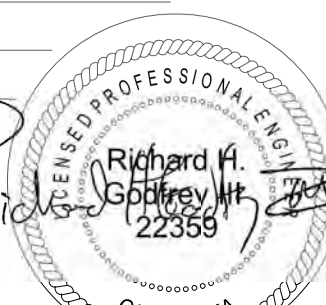
REVISIONS

**OVERALL DOMESTIC WATER
AND GAS PLAN**

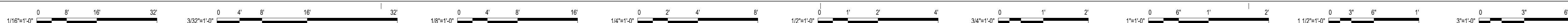
JOB 2022.28
ISSUE 10/12/2023
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P-101

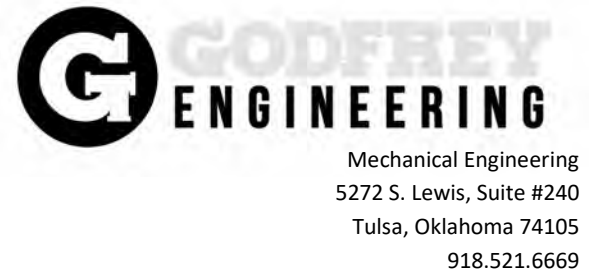
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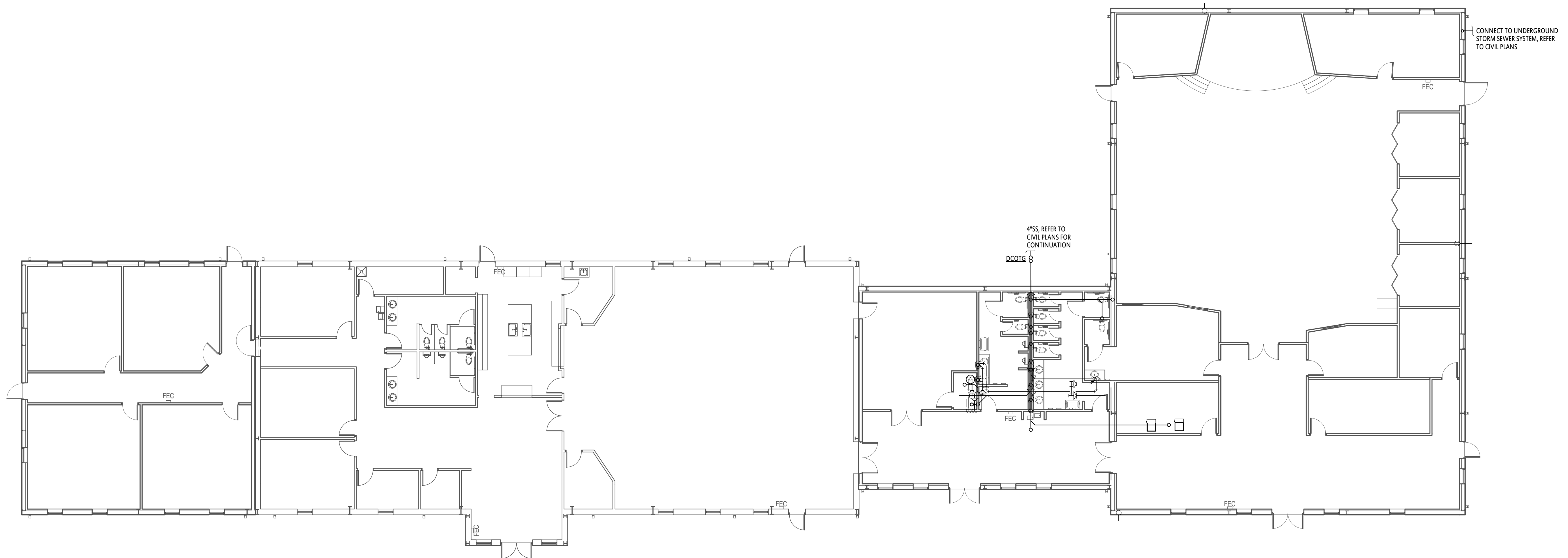


LEGEND

- 1. REFER TO SHEET P-001 FOR LEGEND.

GENERAL NOTES

- 1. REFER TO SHEET P-001 FOR GENERAL NOTES.



1 OVERALL FIRST FLOOR SANITARY SEWER PLAN
 3/32" = 1'-0"

CONSTRUCTION SET
 10/12/2023

**PRYOR CREEK
 MENNONITE
 CHURCH**

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**OVERALL SANITARY SEWER
 AND VENT PLAN**

JOB 2022.28
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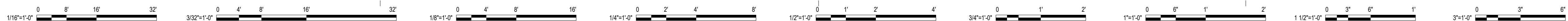
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CONSULTANT:



Mechanical Engineering
5272 S. Lewis, Suite #240
Tulsa, Oklahoma 74105
918.521.6669

LEGEND

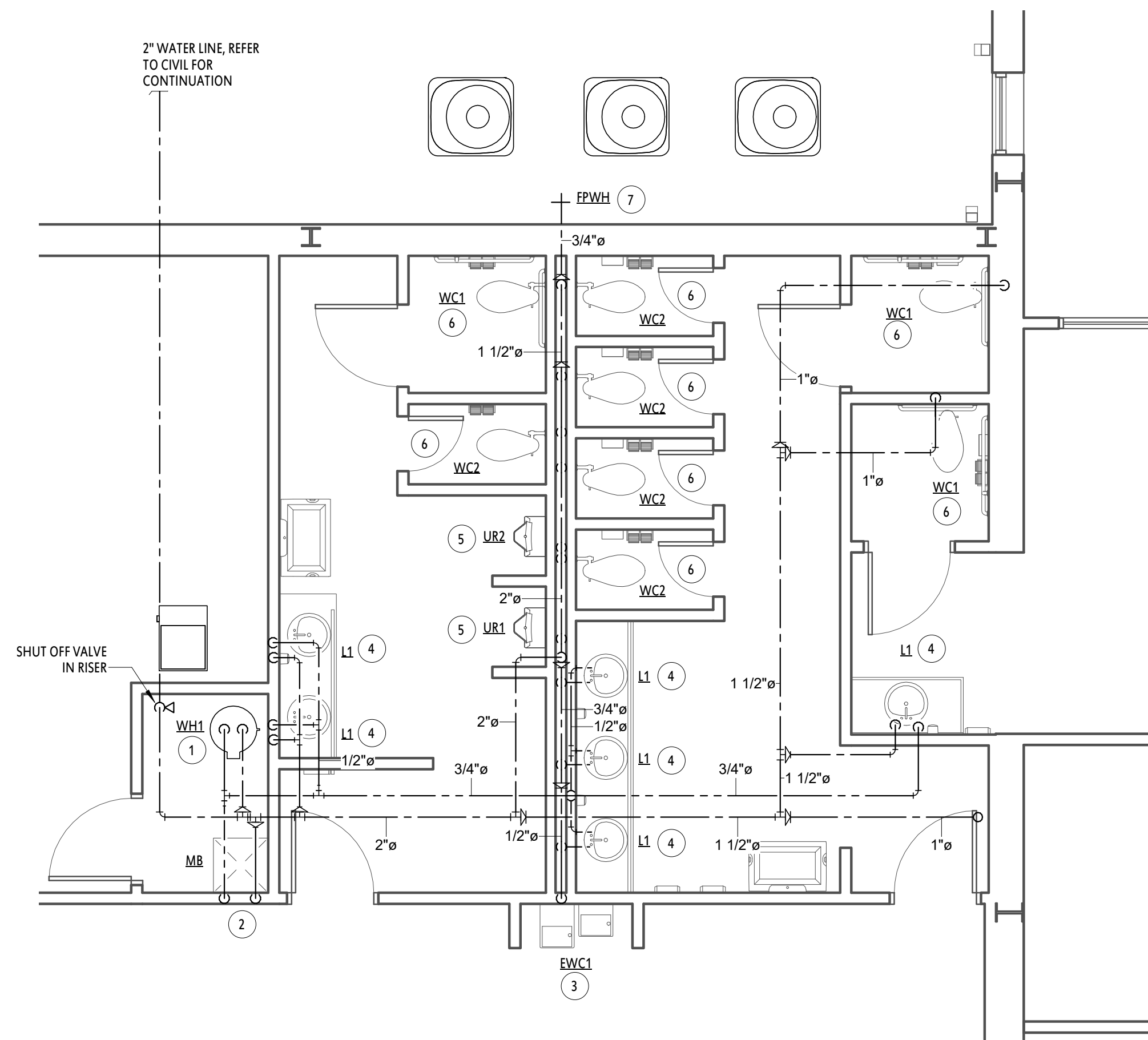
1. REFER TO SHEET P-001 FOR LEGEND.

GENERAL NOTES

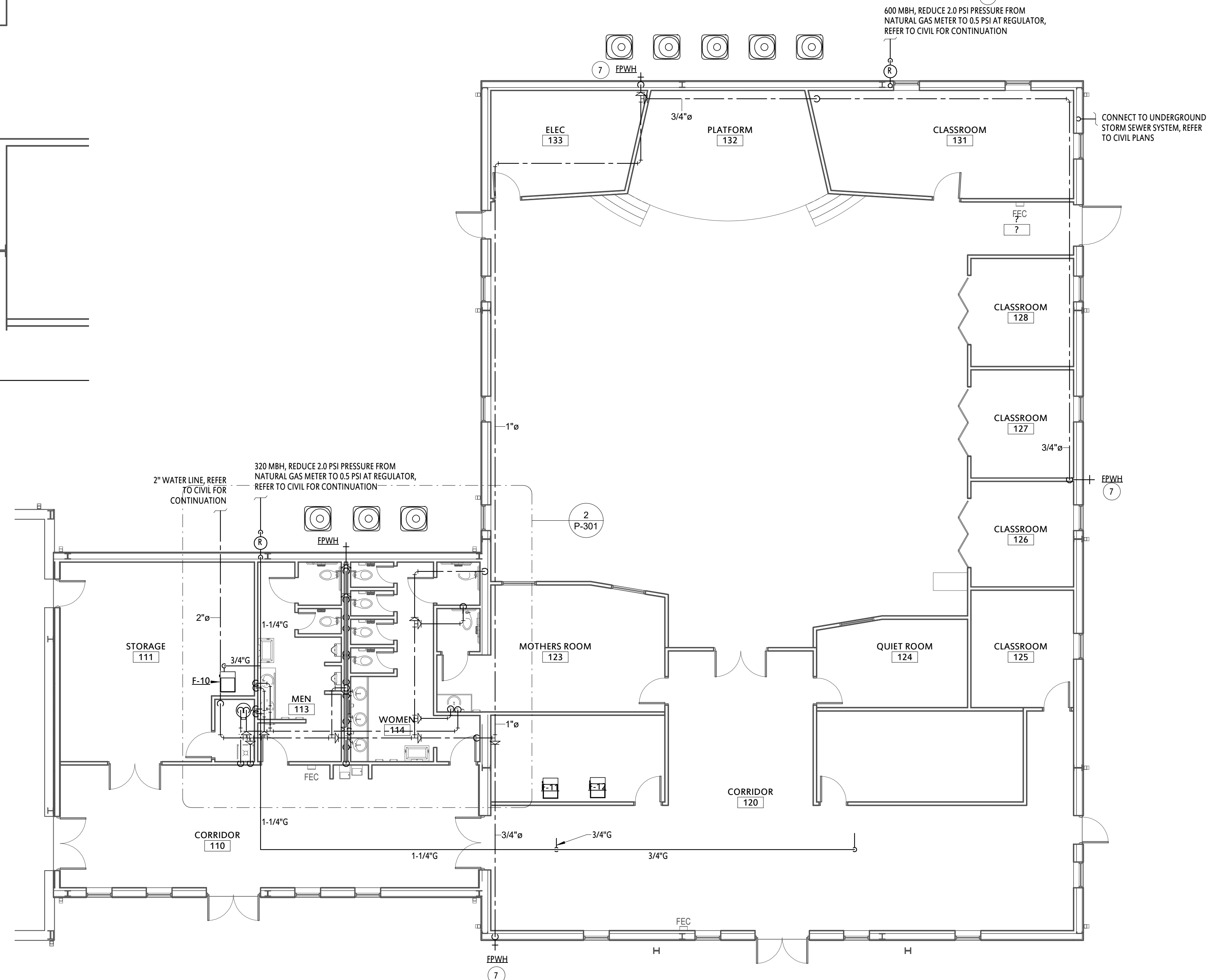
1. REFER TO SHEET P-001 FOR GENERAL NOTES.

KEYED NOTES

- 1 3/4"CW AND 3/4"HW DOWN TO WATER HEATER
- 2 3/4"CW AND 3/4"HW DOWN TO MOP SINK FAUCET
- 3 1/2"CW DOWN TO WATER COOLER
- 4 1/2"CW AND 1/2"HW DOWN TO LAVATORY
- 5 3/4"CW DOWN TO URINAL
- 6 1"CW DOWN TO WATER CLOSET
- 7 3/4"CW DOWN TO WALL HYDRANT



2 ENLARGED RESTROOMS PLUMBING PLAN
1/4" = 1'-0"



1 FIRST FLOOR PLUMBING - AREA B
1/8" = 1'-0"

CONSTRUCTION SET
10/12/2023

**PRYOR CREEK
MENNONITE
CHURCH**

1919 W. 470
PRYOR, OK 74361

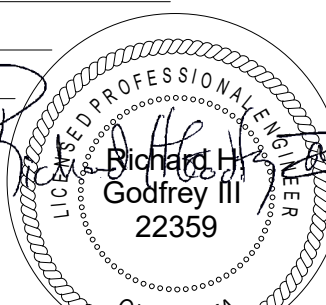
REVISIONS

**ENLARGED DOMESTIC
WATER AND GAS PLANS**

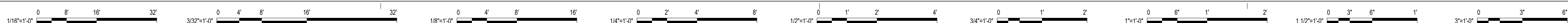
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P-301

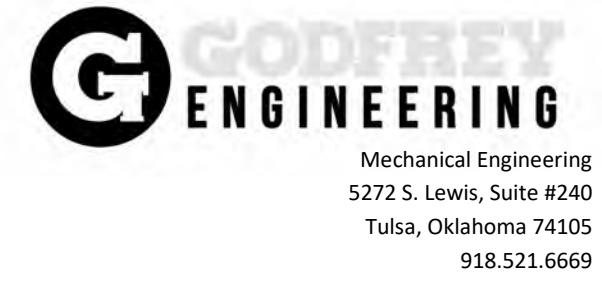
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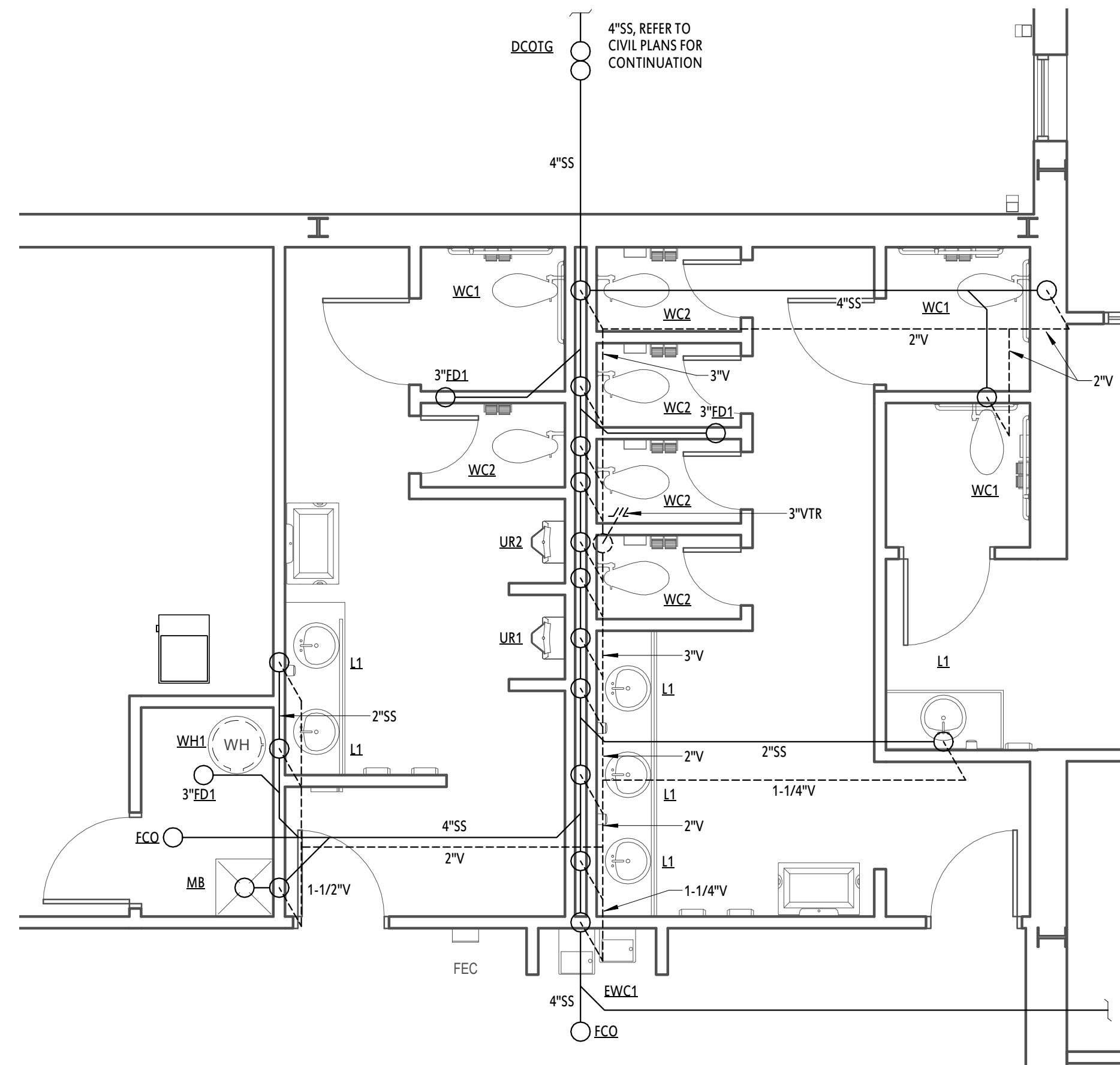


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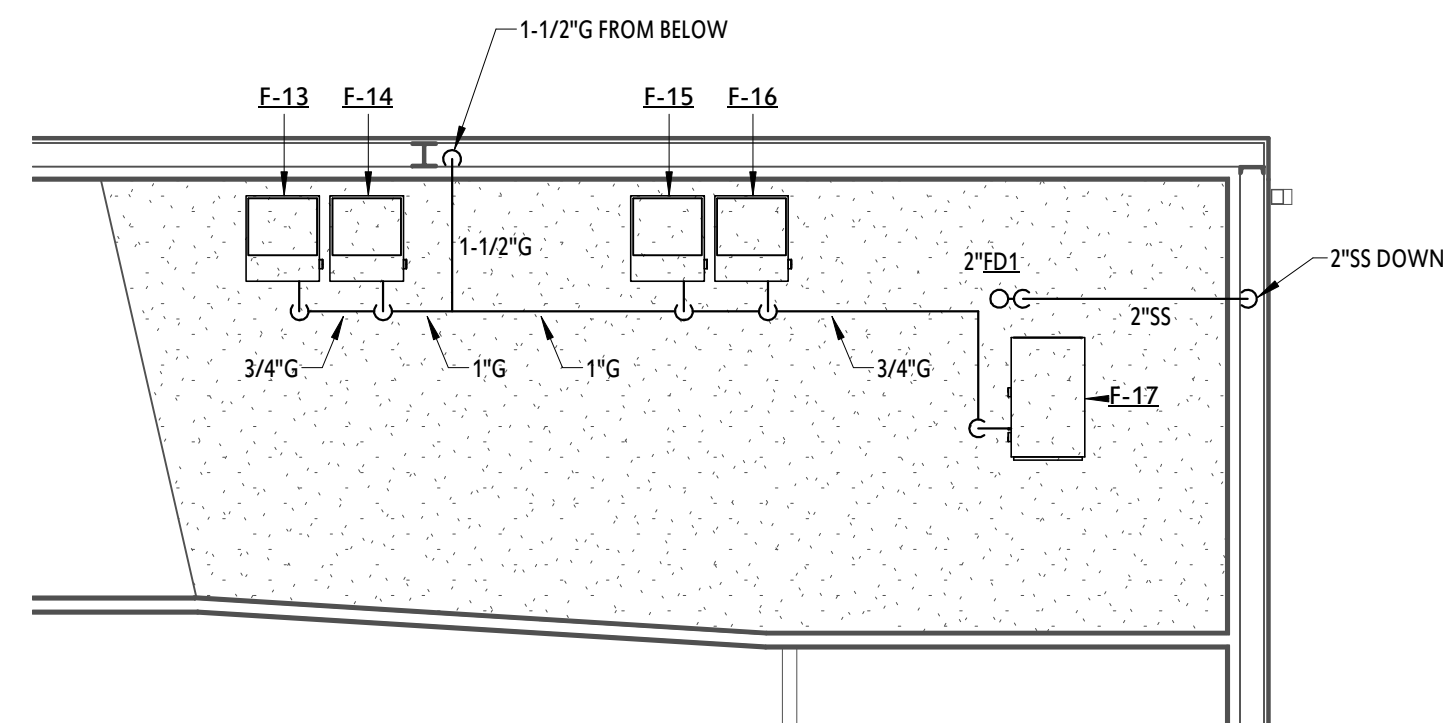
1. REFER TO SHEET P-001 FOR LEGEND.

GENERAL NOTES

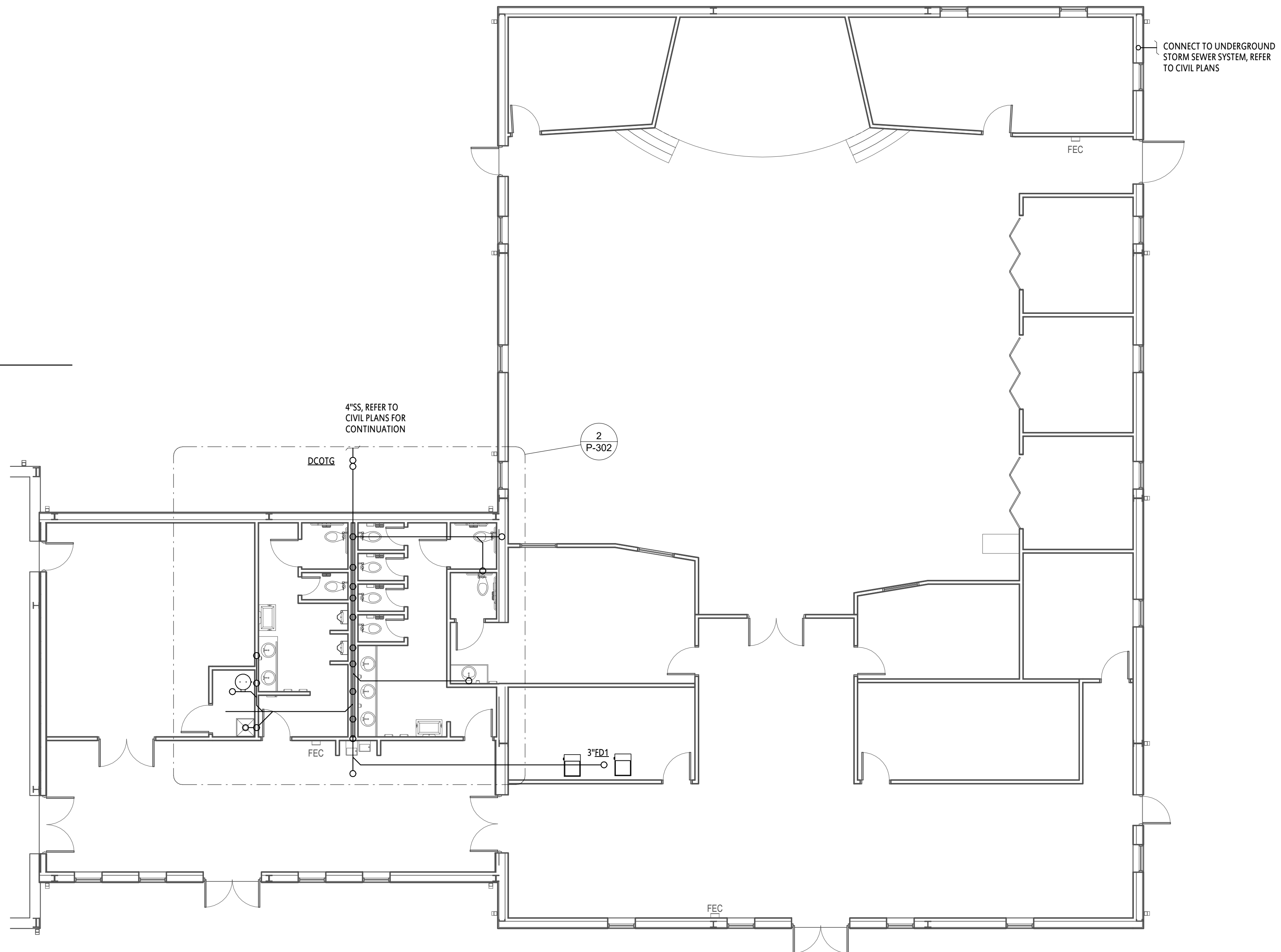
1. REFER TO SHEET P-001 FOR GENERAL NOTES.



2 ENLARGED RESTROOM SANITARY SEWER PLAN
1/4" = 1'-0"



3 ENLARGED MECHANICAL PLATFORM - PLUMBING
3/16" = 1'-0" RE: 1/M-101



1 SANITARY SEWER PLAN - AREA B
1/8" = 1'-0"

CONSTRUCTION SET
10/12/2023

**PRYOR CREEK
MENNONITE
CHURCH**

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PRYOR, OK 74361

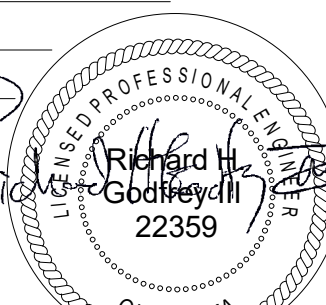
REVISIONS

**ENLARGED SANITARY
SEWER AND VENT PLANS**

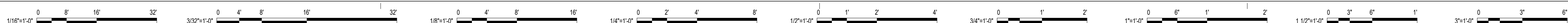
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P-302

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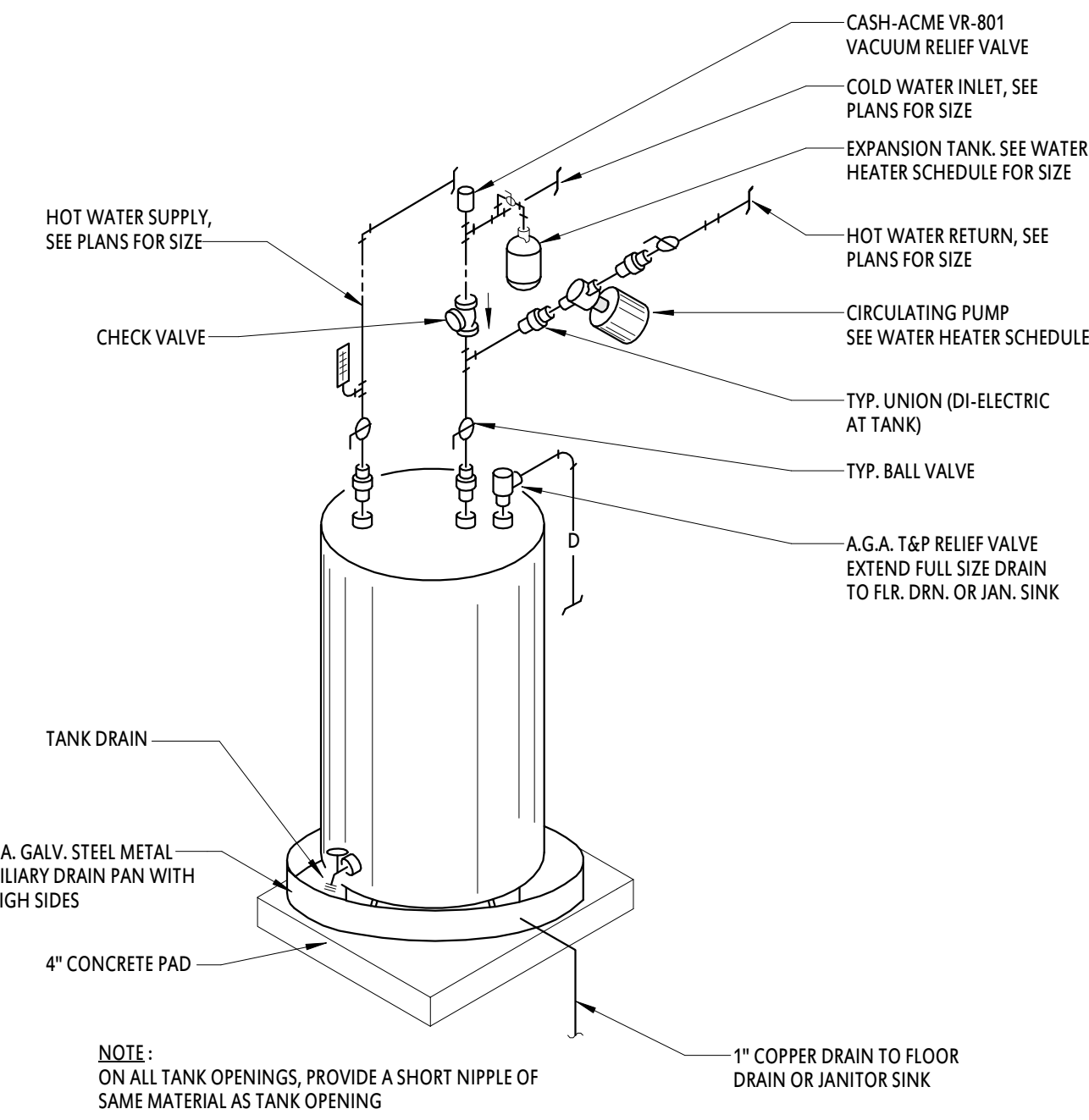
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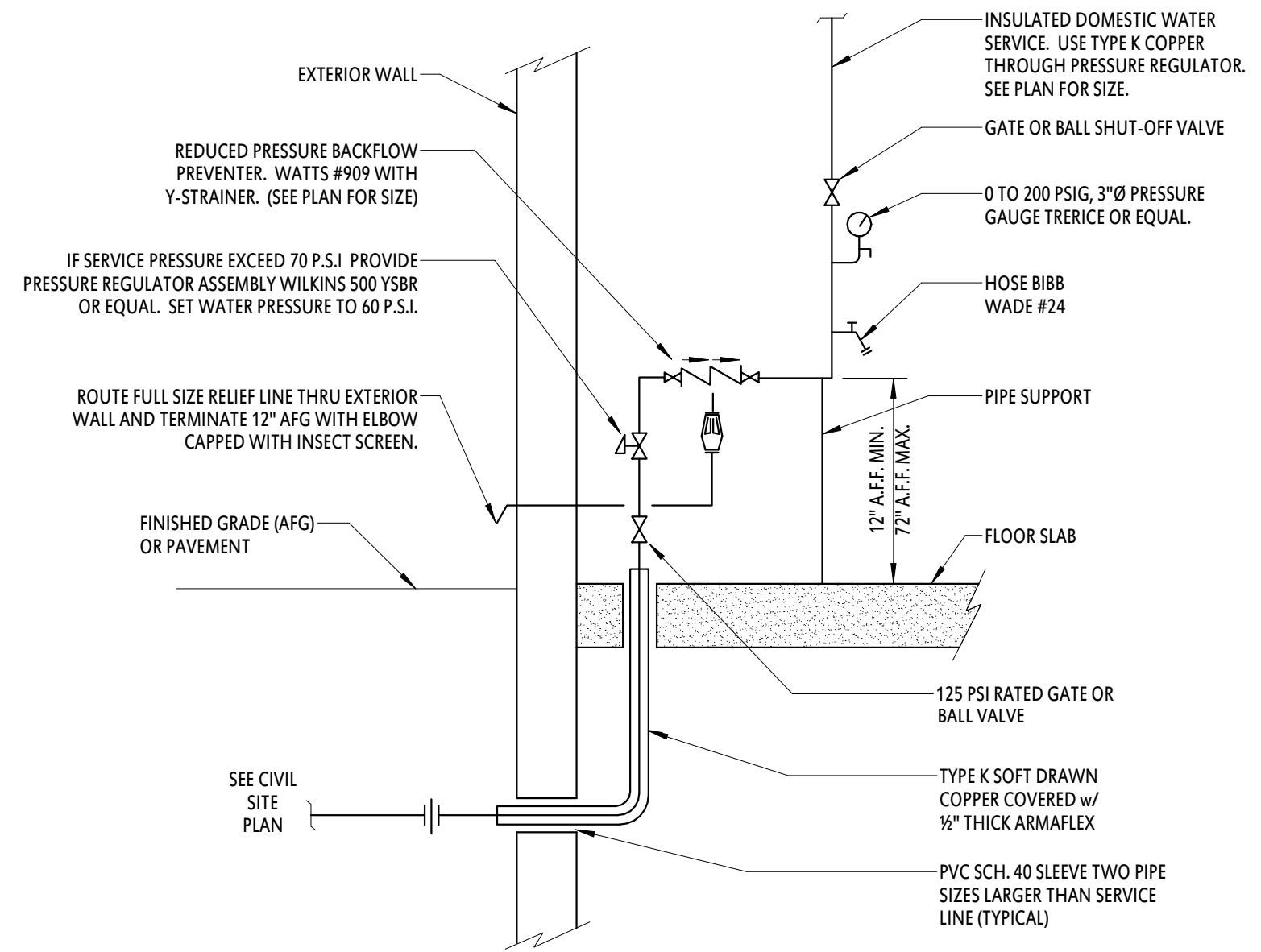
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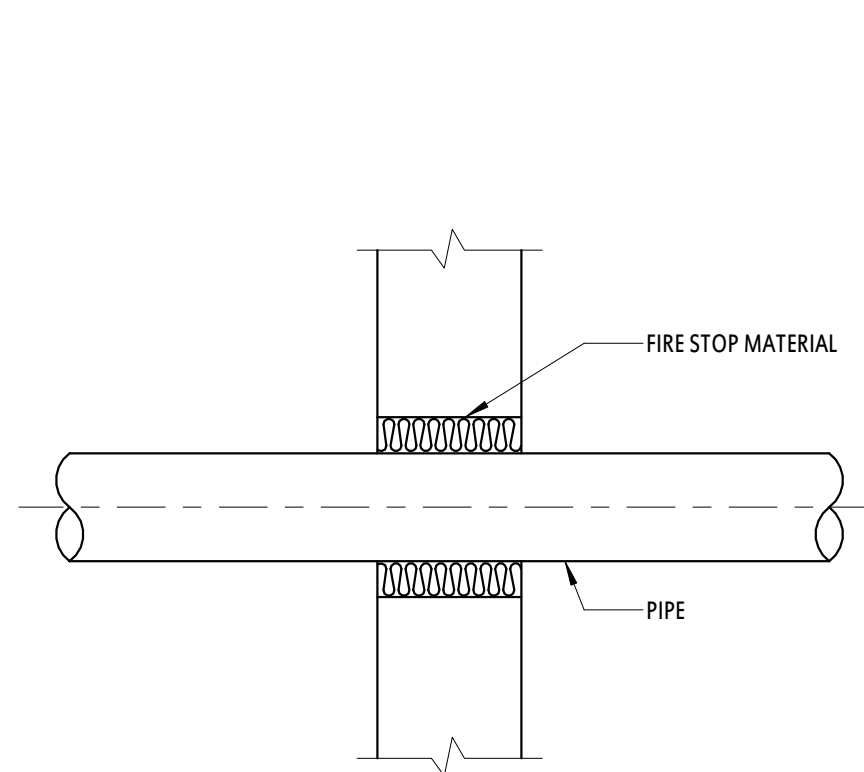
Mechanical Engineering
5272 S. Lewis, Suite #240
Tulsa, Oklahoma 74105
918.521.6669



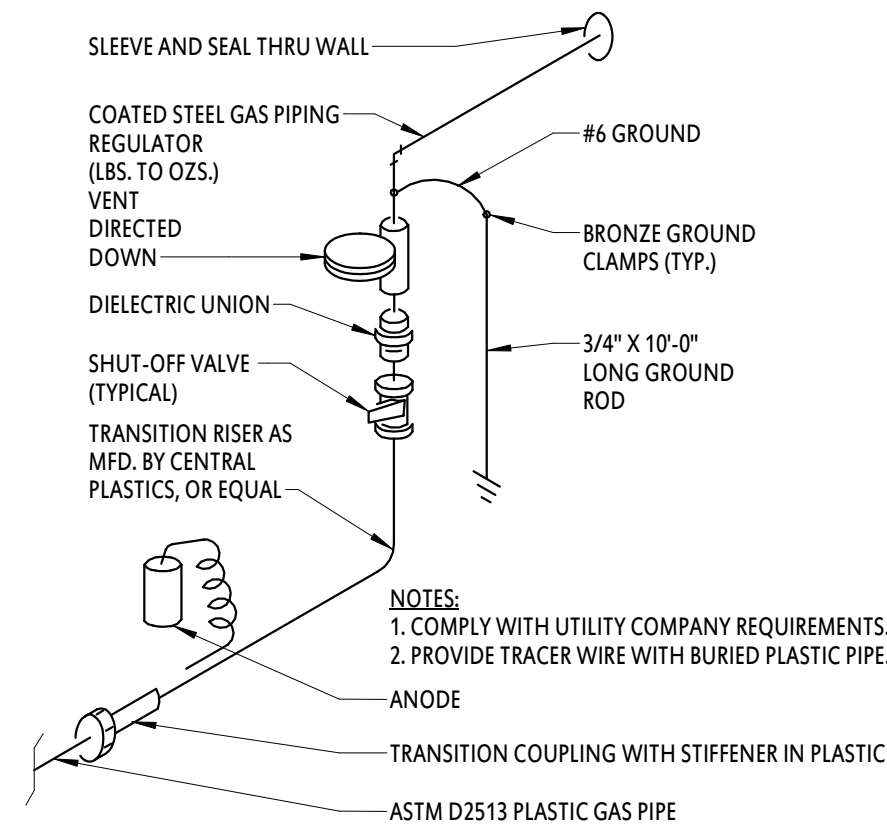
10 ELECTRIC WATER HEATER WITH RETURN
N.T.S.



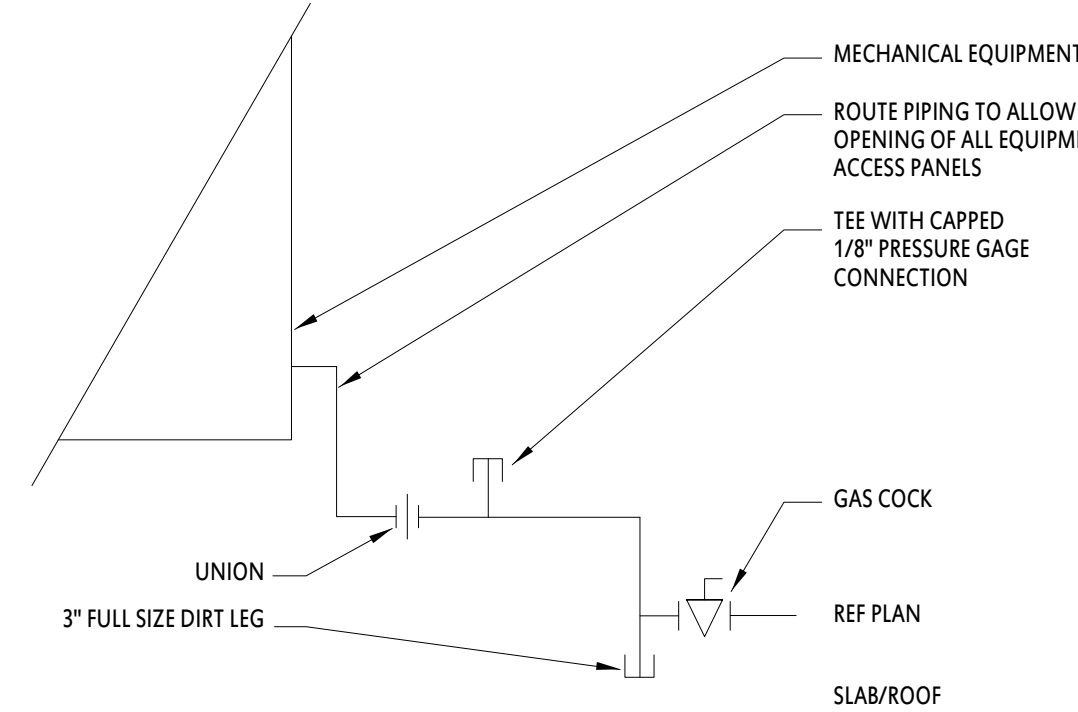
9 DOMESTIC WATER SERVICE RISER
N.T.S.



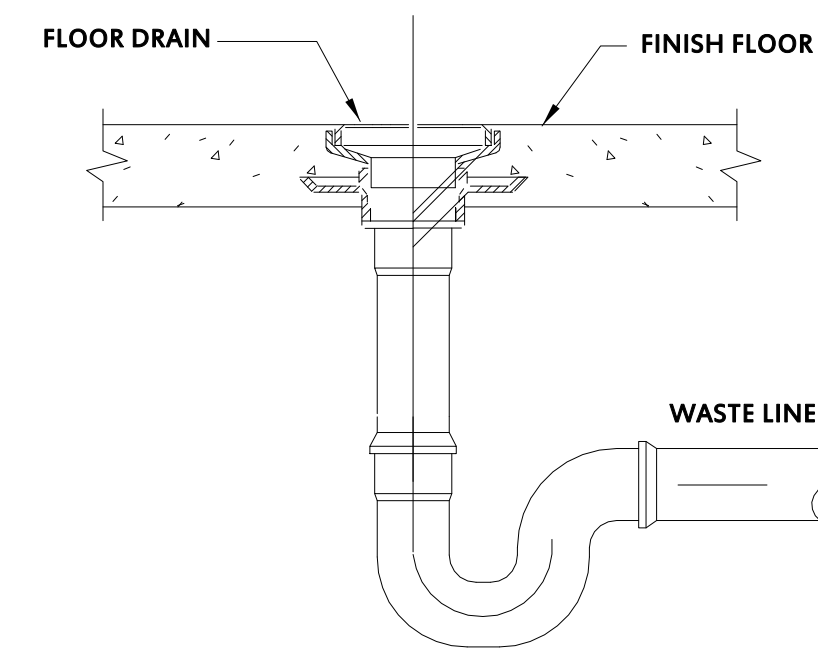
8 PIPE PENETRATION THRU FIRE RATED WALL
N.T.S.



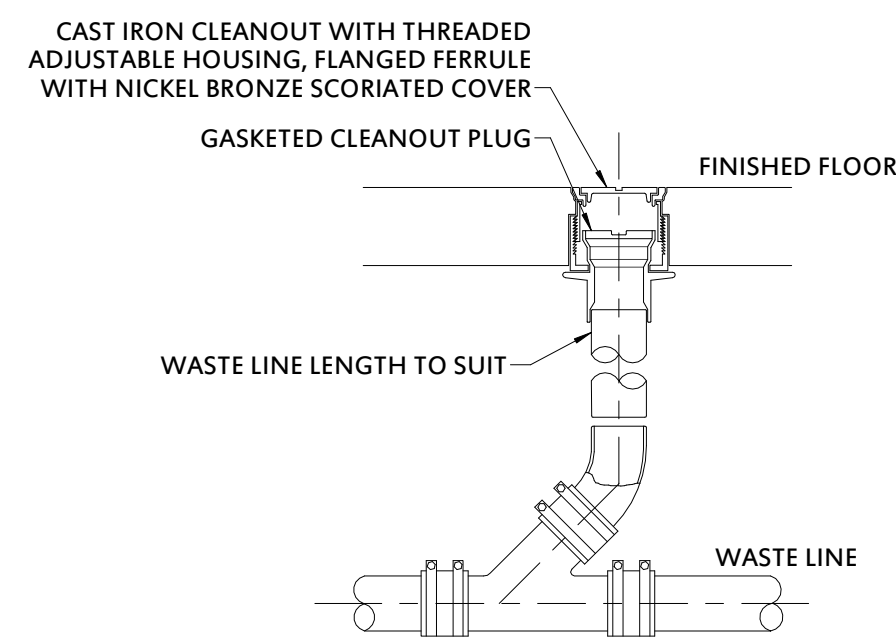
7 GAS PRESSURE REGULATOR
N.T.S.



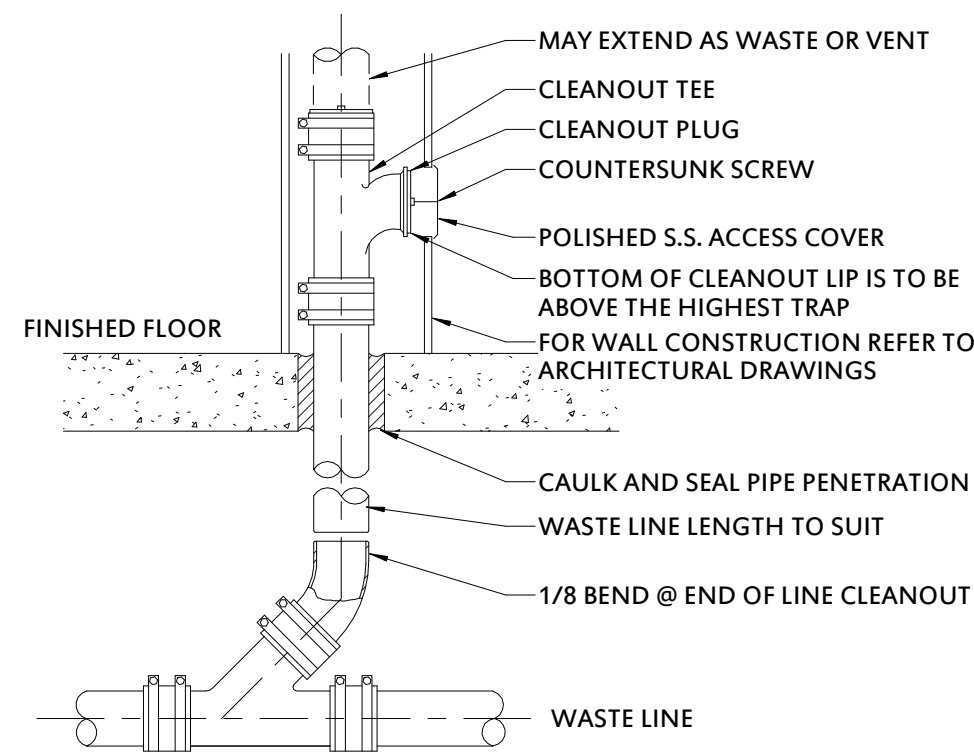
6 EQUIPMENT GAS CONNECTION
N.T.S.



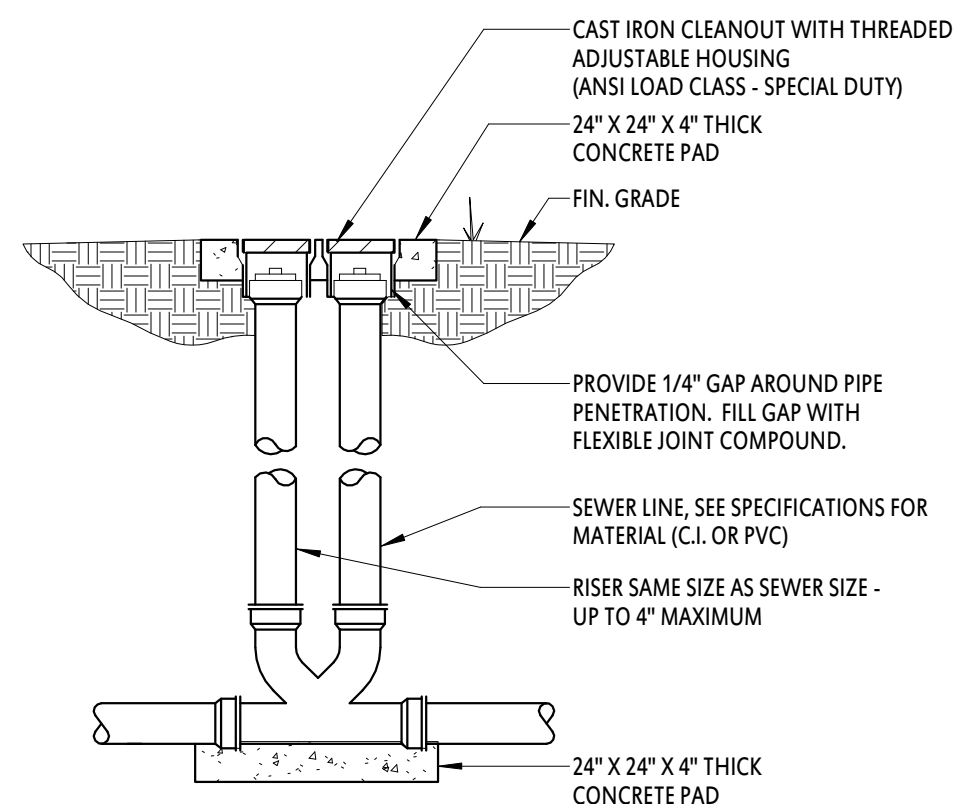
5 FLOOR DRAIN DETAIL
N.T.S.



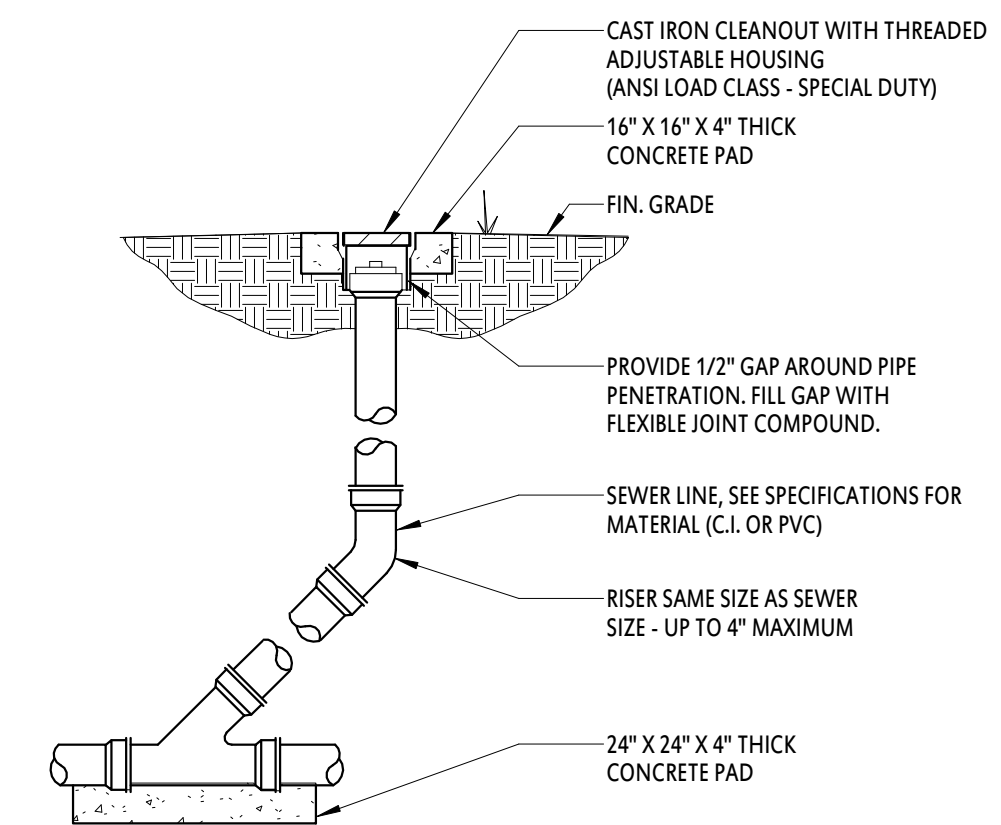
4 FLOOR CLEANOUT
N.T.S.



3 WALL CLEANOUT
N.T.S.



2 DOUBLE CLEANOUT TO GRADE
N.T.S.



1 CLEANOUT TO GRADE
N.T.S.

CONSTRUCTION SET
10/12/2023

**PRYOR CREEK
MENNONITE
CHURCH**

1919 W. 470
PRYOR, OK 74361

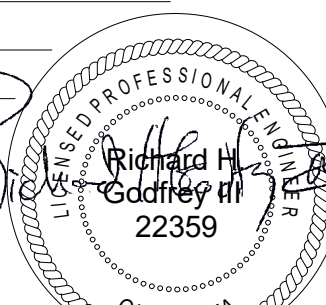
REVISIONS

PLUMBING DETAILS

JOB 2022.28
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DRAWN BY: RHG
CHK'D BY: RHG

P-501

SCALE As indicated



10/12/2023

PLUMBING SPECIFICATIONS

220700 - PIPING INSULATION

- MATERIALS: CONFORM TO MAXIMUM FLAME SPREAD/SMOKE DEVELOPED RATING OF 25/50 IN ACCORDANCE WITH ASTM E84, NFPA 255 AND UL 723.
- CONFORM TO ASTM STANDARDS FOR "K" VALUE, MOISTURE VAPOR TRANSMISSION, MAXIMUM MOISTURE ABSORPTION, JACKET, INSULATING CEMENT, AND ADHESIVE.
- MANUFACTURERS: SCHULLER MANVILLE, CERTANTEED, KNAUF, OWENS-CORNING
 - CELLULAR FOAM: ARMSTRONG, HALSTEAD, IMCOA/NOMAO, RUBATEX, ARMAFLEX 2000.
- INSTALL IN ACCORDANCE WITH NAIMA NATIONAL INSULATION STANDARDS.
 - VERIFY THAT PIPING HAS BEEN TESTED BEFORE APPLYING INSULATION MATERIALS. VERIFY THAT SURFACES ARE CLEAN AND DRY, FOREIGN MATERIAL REMOVED.
- CONTINUE INSULATION THROUGH WALLS, SLEEVES, PIPE HANGERS, AND OTHER PIPE PENETRATIONS. FINISH AT SUPPORTS, PROTRUSIONS, AND INTERRUPTIONS.
- BURIED PIPING: PROVIDE FACTORY ASSEMBLY WITH INNER ALL-PURPOSE SERVICE JACKET WITH SELF-SEALING LAP, AND ASPHALT IMPREGNATED OPEN MESH GLASS FABRIC, WITH ONE MIL THICK ALUMINUM FOIL SANDWICHED BETWEEN TREE LAYERS OF BITUMINOUS COMPOUND; OUTER SURFACE FACED WITH POLYESTER FILM.
- SCHEDULE INSULATION THICKNESS PER LOCAL CODE OR ASHRAE STANDARD 90.1-2001, WHICHEVER IS MORE STRINGENT.

221000 - PLUMBING PIPING

- SANITARY PIPING.
 - CAST IRON PIPE: ASTM A74 SERVICE WEIGHT, FITTINGS: CAST IRON, JOINTS: HUB-AND-SPIGOT, COMPRESSION TYPE WITH NEOPRENE GASKETS OR LEAD AND OAKUM.
 - CAST IRON PIPE: CIPSI 301, HUBLESS, FITTINGS: CAST IRON, JOINTS: NEOPRENE GASKET AND STAINLESS STEEL CLAMP AND SHIELD ASSEMBLIES.
 - ABS PIPE (BELOW GRADE): ASTM D2661, FITTINGS: ABS, JOINTS: SOLVENT WELD.
 - PVC PIPE (BELOW GRADE): ASTM D2665, FITTINGS: PVC, JOINTS: SOLVENT WELD WITH SOLVENT CEMENT.
 - COPPER TUBE (ABOVE GRADE): ASTM B88 TYPE "L", HARD TEMPER ONLY. EXCEPT THESE MATERIALS SHALL TO BE USED TO RECEIVE THE WASTES FROM URINALS, NOR WASTES FROM WATER CLOSETS IN BATTERY, FITTINGS: CAST BRONZE, OR WROUGHT COPPER, JOINTS: SOLDER, GRADE 508.
- WATER PIPING.
 - COPPER TUBING (BELOW GRADE): ASTM B88, TYPE "L" SPOT COPPER, FITTINGS: CAST COPPER ALLOY OR WROUGHT COPPER AND BRONZE, JOINTS: BCUP SILVER BRAZE.
 - COPPER TUBING (ABOVE GRADE): ASTM B88, TYPE "L" HARD COPPER, FITTINGS: CAST COPPER ALLOY OR WROUGHT COPPER AND BRONZE, JOINTS: BCUP SILVER BRAZE.
 - PEX PIPING: ASTM F876/F877 PEX-a PIPING. PEX-a FITTINGS: ASTM F1960 FOR ELBOWS, ADAPTORS, COUPLINGS, PLUGS, TEES AND MULTI-PORT TEES (1/2" THOUGH 2" NOMINAL PIPE SIZE).
- NATURAL GAS PIPING.
 - STEEL PIPE (BELOW GRADE): ASTM A53 SCHEDULE 40 BLACK, FITTINGS: FORGED STEEL WELDING TYPE, JOINTS: WELDED JACKET OR DOUBLE LAYER, HALF LAPPED 10 MIL POLYETHYLENE TAPE.
 - STEEL PIPE (ABOVE GRADE): ASTM A53 SCHEDULE 40 BLACK, 2 INCH AND SMALLER EXPOSED, FITTINGS: MALLEABLE IRON, JOINTS: THREADED.
 - STEEL PIPE (ABOVE GRADE): ASTM A53 SCHEDULE 40 BLACK, 2 INCH AND SMALLER CONCEALED AND 2-1/2 INCH AND LARGER, FITTINGS: FORGED STEEL WELDING TYPE, JOINTS: WELDED.
- VERIFY THAT EXCAVATIONS ARE TO REQUIRED GRADE, DRY AND NOT OVER EXCAVATED.
- PREPARE PIPING CONNECTIONS TO EQUIPMENT WITH FLANGES OR UNIONS.
- PROVIDE NON-CONDUCTING DIELECTRIC CONNECTIONS WHEREVER JOINING DISSIMILAR METALS.
- INSTALL VENT PIPING PENETRATING ROOFED AREAS TO MAINTAIN INTEGRITY OF ROOF ASSEMBLY.
- WHERE PIPE SUPPORT MEMBERS ARE WELDED TO STRUCTURAL BUILDING FRAMING, SCRAPE, BRUSH CLEAN, AND APPLY ONE COAT OF ZINC RICH PRIMER TO WELDING.
- PROVIDE SUPPORT FOR UTILITY METERS IN ACCORDANCE WITH REQUIREMENTS OF UTILITY COMPANIES.
- PREPARE EXPOSED, UNFINISHED PIPE, FITTINGS, SUPPORTS AND ACCESSORIES READY FOR FINISH PAINTING.
- PIPE VENTS FROM GAS PRESSURE REDUCING VALVES TO OUTDOORS AND TERMINATE IN WEATHER PROOF HOOD.
- SLEEVE PIPES PASSING THROUGH PARTITIONS, WALLS AND FLOORS.
- USES GROOVED MECHANICAL COUPLINGS AND FASTENERS ONLY IN ACCESSIBLE LOCATIONS.
- PROVIDE UNIONS DOWNSTREAM OF VALVES AND AT EQUIPMENT OR APPARATUS CONNECTIONS.
- PROVIDE BRASS MALE ADAPTERS EACH SIDE OF VALVES IN COPPER PIPED SYSTEM. SOLDER ADAPTERS TO PIPE.
- ESTABLISH INVERT ELEVATIONS, SLOPES FOR DRAINAGE TO 1/4 INCH PER FOOT (SMALLER THAN 3 INCH PIPE), AND 1/8 INCH PER FOOT (3 INCHES AND LARGER PIPE) MINIMUM. MAINTAIN GRADIENTS.
- SLOPE WATER PIPING MINIMUM .025 PERCENT AND ARRANGE TO DRAIN AT LOW POINTS.
- PROVIDE NEW SANITARY SEWER SERVICES. BEFORE COMMENCING WORK CHECK INVERT ELEVATIONS REQUIRED FOR SEWER CONNECTIONS, CONFIRM INVERTS AND ENSURE THAT THESE CAN BE PROPERLY CONNECTED WITH SLOPE FOR DRAINAGE AND COVER TO AVOID FREEZING.
- PROVIDE SUPPORT AND EQUIPMENT REQUIRED TO CONTROL EXPANSION AND CONTRACTION OF PIPING. PROVIDE LOOPS, PIPE OFFSETS, AND SWING JOINTS, OR EXPANSION JOINTS WHERE REQUIRED.
- PROVIDE HANGERS IN QUANTITY AND SPACING REQUIRED TO SUFFICIENTLY SUPPORT PIPING.

220500 - VALVES AND PLUMBING SPECIALTIES

- MANUFACTURERS:
 - GATE VALVES (UP TO AND INCLUDING 2"): STOCKHAM MODEL B 105
 - BALL VALVES (UP TO AND INCLUDING 2"): APOLLO 77 - 100/77 - 200 SERIES
 - SWING CHECK VALVES (UP TO AND INCLUDING 2"): STOCKHAM MODEL B-309/8 - 319
 - BALL VALVES (FOR NATURAL GAS): APOLLO 8 0 - 100 SERIES
 - TEMP. AND PRESS. RELIEF VALVE (UP TO 80,000 BTU INPUT): WATTS 10L MODEL M7
 - WATER HAMMER ARRESTOR: WATTS SERIES 15
 - REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER: WATTS SERIES 909
 - RPZ AIR GAP FITTING: WATTS 909AG
 - RPZ AIR GAP VENT ELBOW: WATTS 909EL (REQUIRED IN ADDITIONS TO 909AG IF MTD. VERTICALLY)
 - BACKFLOW PREVENTER: WATTS 98D
 - VACUUM BREAKER: WATTS N36 - 314"
 - PRESSURE REDUCING VALVE: WATTS SERIES US
 - ATMOSPHERIC VACUUM BREAKER: WATTS SERIES 288A
 - HOSE END VACUUM BREAKER: WATTS SERIES 6
 - DIELECTRIC UNION: WATTS SERIES 3000
 - TRAP SEAL PRIMER VALVE: JOSAM 88250
- INSTALL APPROVED POTABLE WATER PROTECTION DEVICES ON PLUMBING LIES WHERE CONTAMINATION OF DOMESTIC WATER MAY OCCUR; JANITOR ROOMS, FIRE SPRINKLER SYSTEMS, PREMISE ISOLATION.
- INSTALL WATER HAMMER ARRESTORS COMPLETE WITH ACCESSIBLE ISOLATION VALVES ON HOT AND COLD WATER SUPPLY PIPING WHERE REQUIRED BY CODE AND PER MANUFACTURERS RECOMMENDATIONS/REQUIREMENTS.
- INSTALL AIR CHAMBERS ON HOT AND COLD WATER PIPING TO EACH FIXTURE OR GROUP OF FIXTURES (EACH WASHROOM). FABRICATED SAME SIZE AS SUPPLY PIPE OR 3/4 INCH MINIMUM, AND MINIMUM 18 INCHES LONG.

NATURAL GAS PIPING

- ALL WORK INCLUDING INSTALLATION, EQUIPMENT, FIXTURES AND PIPING SHALL BE PERFORMED IN STRICT CONFORMANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS SET FOR THE BY THE AUTHORITY HAVING JURISDICTION (AHJ), AND THE OWNERS MINIMUM REQUIREMENTS AS STATED HEREIN, OR OTHERWISE INDICATED BY THE OWNER.
- NATURAL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL WITH THREADED JOINTS AND MALLEABLE IRON FITTINGS.
- PIPE SEALANT SHALL BE APPLIED TO THE MALE THREADS ONLY AND SHALL BE CHEMICALLY RESISTANT TO NATURAL GAS.
- CONTRACTOR SHALL REMOVE CUTTING AND THREADING BURRS AND SHALL ENSURE THAT THE ENTIRE PIPE IS FREE OF DEBRIS AND BLOCKAGES PRIOR TO PIPING ASSEMBLY.
- CONTRACTOR SHALL PLUG EACH GAS OUTLET, INCLUDING VALVES, WITH A THREADED PLUG OR CAP IMMEDIATELY UPON INSTALLATION. CAP OF PLUG SHALL REMAIN IN PLACE UNTIL CONTINUING PIPING OF CONNECTIONS ARE MADE TO VALVES OR EQUIPMENT.
- THE GAS PIPING SYSTEM SHALL BE GROUNDED ELECTRONICALLY AND CONTINUOUSLY. BOND PIPING TIGHTLY TO GROUNDING CONNECTORS. GROUNDING OF PIPING SHALL BE PER THE COMPLIANCE WITH ALL APPLICABLE CODES.
- PROVIDE FULL SIZE DIRT LEG, GAS COCK AND UNION IN THE SUPPLY PIPING AT ALL CONNECTIONS TO GAS FIRED EQUIPMENT AND AS INDICATED ON THE DRAWINGS. INSTALL FULL SIZE DIRT LET AT ALL LOW POINTS IN THE SYSTEM.
- ROOF MOUNTED GAS PIPING SHALL BE SUPPORTED ON 4" X 4" X 24" LONG WOLMANIZED WOOD BLOCKING WITH 1" GALVANIZED STRAP ANCHOR AND ISOLATION PAD BELOW BLOCKING.
- GAS PIPING SHALL BE SUPPORTED AT ALL VALVES, FITTINGS, CHANGES IN DIRECTION AND AT 6' O.C. (1/2" PIPE), 8' O.C. (3/4" OR 1" PIPE), 10' O.C. (1-1/4" OR LARGER PIPE) AND SHALL NOT DEFLECT WHEN VALVES ARE OPENED AND CLOSED.
- GAS PIPING SHALL BE PRIMED AND PAINTED WHERE LOCATED OUTDOORS, AND WHERE EXPOSED INDOORS IN FINISHED LOCATIONS, COLOR BY ARCHITECTS.
- CONTRACTOR SHALL INSPECT, TEST AND PURGE THE GAS PIPING SYSTEM IN ACCORDANCE WITH LOCAL CODE AND LOCAL UTILITY REQUIREMENTS PRIOR TO CONNECTION TO THE GAS METER OR THE GAS PIPING SYSTEM.
- ALL GAS PIPING SHALL BE SIZED IN ACCORDANCE WITH LOCAL CODE, AND SHALL BE INSTALLED IN CONFORMANCE WITH ANY LOCAL CODES WHICH MAY DICTATE PIPE LABELING OR TESTING.
- BUSHINGS ARE PROHIBITED, BELL REDUCERS SHALL BE INSTALLED AT REDUCTION IN PIPE SIZE. GROUND JOINT UNIONS AND SHUTOFF VALVES SHALL BE INSTALLED AT ALL GAS APPLIANCES. FLEXIBLE GAS LINES ARE PROHIBITED ON STATIONARY APPLIANCES AND SHALL ONLY BE INSTALLED ON FULLY PORTABLE EQUIPMENT. A RESTRAINT CABLE SHALL BE ATTACHED TO ANY FLEXIBLE CONNECTORS AND THE FLOOR SUCH THAT THE FLEXIBLE CONNECTOR CANNOT BE OVER EXTENDED.
- GAS VALVES:
 - GAS COCKS 2" AND SMALLER SHALL BE 150 PSI NON-SHOCK WOG, BRONZE STRAIGHTWAY COCK, FLAT OR SQUARE HEAD WITH THREADED ENDS.
 - PRESSURE REGULATING VALVES SHALL BE SINGLE STAGE, STEEL JACKETED, CORROSION-RESISTANT, GAS PRESSURE REGULATORS WITH ATMOSPHERIC VENT, ELEVATION COMPENSATOR, THREADED ENDS, PROPER SPRING FOR INLET AND OUTLET GAS PRESSURES AND SIZED FOR SPECIFIC GRAVITY AND VOLUME OF FLOW AS INDICATED AND/OR REQUIRED.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	TYPE	MANUFACTURER	MODEL	TRIM	WATER				WASTE		VENT	NOTES
						COLD		HOT		RUNOUT	CONN		
						RUNOUT	CONN	RUNOUT	CONN				
WC1	WATER CLOSET (ADA)	FLOOR MOUNT ELONGATED VITREOUS CHINA	AMERICAN STANDARD	MADERA 3461.001	SEAT: CHURCH 295C FLUSHOMETER: SLOAN ROYAL 111, 1.6 GPF	1"	1"	--	--	4"	4"	2"	1,2,3,6,10
WC2	WATER CLOSET	FLOOR MOUNT ELONGATED VITREOUS CHINA	AMERICAN STANDARD	MADERA 3451.001	SEAT: CHURCH 295C FLUSHOMETER: SLOAN ROYAL 111, 1.6 GPF	1"	1"	--	--	4"	4"	2"	1,2,6
UR1	URINAL (ADA)	VITREOUS CHINA WASHOUT	AMERICAN STANDARD	WASHBROOK 6590.001	FLUSHOMETER: SLOAN ROYAL 186-1.0 1.0 GPF	3/4"	3/4"	--	--	2"	2"	1-1/2"	2,3
UR2	URINAL	VITREOUS CHINA WASHOUT	AMERICAN STANDARD	WASHBROOK 6590.001	FLUSHOMETER: SLOAN ROYAL 186-1.0 1.0 GPF	3/4"	3/4"	--	--	2"	2"	1-1/2"	2
LL	LAVATORY (ADA)	COUNTERTOP SELF RIMMING VITREOUS CHINA	AMERICAN STANDARD	AQUALYN K0476.028	FAUCET: DELTA 500-DST; OFFSET TAIL PIECE GRID STRAINER; STOPS: MCGUIRE #LFBV2166CCSS12; TRAP: MCGUIRE #8872	1/2"	3/8"	1/2"	3/8"	1-1/2"	1-1/4"	1-1/4"	2,3,5,6,7,8,9
EW1	ELECTRIC WATER COOLER (ADA)	BI-LEVEL	ELKAY	LZSTL8SC	BARRIER FREE, STAINLESS STEEL; STOP: MCGUIRE #LFBV2166CCSS12; TRAP: MCGUIRE #8872	1/2"	3/8"	--	--	2"	1-1/2"	1-1/2"	2,3,11
FPWH	FREEZE PROOF WALL HYDRANT	WALL HYDRANT	WOODFORD	8600	NICKEL BRONZE BOX, KEY HANDLE	3/4"	3/4"	--	--	--	--	--	2
MB	MOP BASIN	MOLDED STONE WITH WALL GUARD	FIAT	MSB-2424	#830-AA SERVICE FAUCET, #832-AA HOSE & BRACKET, #1453-BB STRAINER, #889-CC MOP BRACKET, MSG-2424	1/2"	1/2"	1/2"	1/2"	3"	3"	1-1/2"	--

- NOTES:
- BOLT CAPS WITH RETAINER CLIPS.
 - REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
 - MOUNT FIXTURE AT ADA COMPLIANT HEIGHT.
 - MOUNT FIXTURE TO NEW CARRIER APPROPRIATE FOR THE PLUMBING FIXTURE (CARRIERS BY WADE, ZURN, OR JR SMITH).
 - INSTALL MCGUIRE PROWRAP PW2125WC FOR ADA COMPLIANCE.
 - CHROME PLATED ANGLE SUPPLY AND CHROME PLATED ESCUTCHEON.
 - CHROME PLATED TUBULAR P-TRAP WITH CLEANOUT PLUG & ESCUTCHEON.
 - SET TEMPERATURE FOR MIXING VALVE AT 105 DEG F.
 - PROVIDE THERMOSTATIC MIXING VALVE, SYMMONS TEMP CONTROL OR EQUAL, SIZED TO MATCH LINE SIZE.
 - LOCATE FLUSH VALVES FOR HANDICAP ACCESSIBLE WATER CLOSETS WITH FLUSH LEVER ON THE WIDE ACCESS SIDE OF FIXTURE.
 - INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - PROVIDE WITH MANUFACTURER'S SHROUD/KNEE CONTACT GUARD.
 - PROVIDE WITH BADGER 5 INSINKERATOR GARBAGE DISPOSAL.
 - OUTLET SIZED ON PLANS.
 - PROVIDE WITH FDI.

SPECIALTY PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	DRAIN DESCRIPTION	MANUFACTURER MODEL NO.	WASTE		VENT	NOTES
				RUNOUT	CONN		
FD	FLOOR DRAIN	CAST IRON WITH FLANGE, INTEGRAL CLAMPING COLLAR, ADJUSTABLE STRAINER, 6" NICKEL BRONZE STRAINER	WADE 1100STD	--	--	--	1,2,3,4
FCO	FLOOR CLEANOUT	CAST IRON CLEANOUT WITH ROUND ADJUSTABLE HOUSING, FLANGED FERRULE AND ROUND SECURED NICKEL BRONZE TOP.	WADE 6000	--	--	--	3,4,5
WCO	WALL CLEANOUT	ROUND ACCESS COVER, CAST IRON CLEANOUT TEE	WADE 8480R OR 8560 (B OR E)	--	--	--	3
GCO	GRADE CLEANOUT	CAST IRON CLEANOUT WITH ROUND ADJUSTABLE HOUSING, FLANGED FERRULE AND ROUND SECURED NICKEL BRONZE TOP.	WADE 6000Z	--	--	--	3,4,5

- NOTES:
- SATIN FINISHED NICKEL BRONZE STRAINER.
 - PROVIDE WITH PROSET TRAP GUARD.
 - OUTLET SIZED ON PLANS.
 - COORDINATE EXACT INSTALLATION OF FIXTURE WITH FINISHED FLOOR MATERIAL PRIOR TO ORDERING FIXTURE.
 - CLEANOUTS SHALL BE SAME SIZE AS PIPE UP TO 4". LARGER PIPING SHALL USE 4" CLEANOUTS.
 - REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS.

WATER HEATER SCHEDULE

MARK	STOR. CAP.- GAL.	BTUH INPUT (MBH)	ELECTRIC			RECOVERY		MFR. & MDL.	MIXING VALVE	CIRCULATING PUMP		EXPANSION TANK		NOTES
			KW	VOLTS	Ø	GPH	RISE			MFR. & MDL.	ELECTRICAL	MFR. & MDL.	CAP.-GAL.	
WH1	40	--	4.5	208	3	18	100	BRADFORD WHITE LE340S3-3	--	TACO #006-IQBC4	115 V / 1 PH	WATTS #DETA-12	2.5	1,2,3,4,5,6,7,8

- NOTES:
- SET TO 120 DEGREE F. OUTLET WATER TEMPERATURE.
 - PROVIDE WITH ISOLATION AND PRESSURE RELIEF VALVES.
 - CODE COMPLIANT (HUD, IPC, ASHRAE/IES 90.1)
 - UL CERTIFIED (UL174)
 - ELECTRONIC LOW WATER CUTOFF.
 - PROVIDE DIAL TEMPERATURE AND PRESSURE GAUGES.
 - PROVIDE WITH FACTORY MATCHED CONDENSATE NEUTRALIZATION KIT.
 - PROVIDE FACTORY CONCENTRIC VENT KIT.



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CONSTRUCTION SET
10/12/2023

PRYOR CREEK MENNONITE CHURCH

1919 W. 470
PRYOR, OK 74361

REVISIONS

PLUMBING SCHEDULES

JOB 2022.28
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