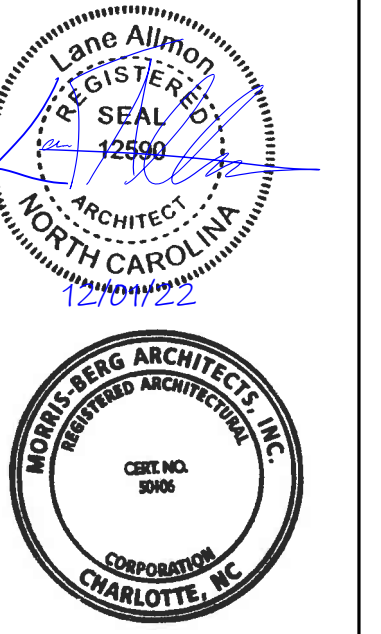


BID SET ABSS

EASTERN HS PRESS BOX/CONCESSIONS

MEBANE, NC



BID SET

ISSUE DATE: 12/01/2022

REVISIONS

NO.	DESCRIPTION	DATE

DESIGN TEAM

GENERAL	CIVIL ENGINEER	STRUCTURAL ENGINEER	ARCHITECT	PLUMBING ENGINEER	MECHANICAL ENGINEER	ELECTRICAL ENGINEER
Morris Berg Architects 1401 W. Morehead St., Suite 125 Charlotte, NC 28208 P (704) 552-5800	Timmons Group 5410 Trinity Road, Suite 102 Raleigh, NC 27607 P (919) 866-4951	Darden Engineering Services, PLLC 307 Cayuga Dr., Suite A Mooresville, NC 28117 P (704) 663-7738	Morris Berg Architects 1401 W. Morehead St., Suite 125 Charlotte, NC 28208 P (704) 552-5800	Shultz Engineering Group, PC 212 N. McDowell St, Suite 204 Charlotte, NC 28204 P (704) 334-7363	Shultz Engineering Group, PC 212 N. McDowell St, Suite 204 Charlotte, NC 28204 P (704) 334-7363	Shultz Engineering Group, PC 212 N. McDowell St, Suite 204 Charlotte, NC 28204 P (704) 334-7363

INDEX OF DRAWINGS

DISCIPLINES						
GENERAL	CIVIL	STRUCTURAL	ARCHITECTURAL	PLUMBING	MECHANICAL	ELECTRICAL
CS100 COVER SHEET LS100 APPENDIX B & LIFE SAFETY PLANS	C1 PUMP STATION PLAN C2 PUMP STATION PLAN	S101 FOUNDATION, FIRST FLOOR, SECOND FLOOR FRAMING, ROOF FRAMING PLAN & NOTES S102 DETAILS	A200 FLOOR PLANS A500 EXTERIOR ELEVATIONS A800 WALL SECTIONS A1001 2D STANDARD AND ADA MOUNTING HEIGHTS AND DIMENSIONS A1200 DOOR SCHEDULE & DETAILS A1300 FINISH SCHEDULE & PLANS	P001 PLUMBING SCHEDULES, NOTES AND DETAILS P101 PLUMBING FLOOR PLAN AND NOTES	M001 MECHANICAL LEGEND, NOTES, SCHEDULES AND DETAILS M101 MECHANICAL FLOOR PLANS	E001 ELECTRICAL SPECIFICATIONS, LEGEND AND DIAGRAMS E002 ELECTRICAL SCHEDULES E101 ELECTRICAL FLOOR PLANS

ABSS
EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

PROJECT NUMBER 2212

SHEET TITLE
COVER SHEET

SHEET NUMBER

CS100

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

Name of Project: Eastern High School - Press Box & Concessions Building
Address: 4046 Mebane Rogers Road, Mebane, NC
Owner/Authorized Agent: Almalanc-Bullington School System

DESIGNER: MORRIS-BERG ARCHITECTS
Architectural: Lane Allmon
Civil: Timmons Group
Electrical: Shultz Engineering
Plumbing: Shultz Engineering
Mechanical: Shultz Engineering
Structural: Darden Eng. Services

Table with columns: FLOOR, EXISTING (SQ FT), NEW (SQ FT), SUB-TOTAL. Rows for 2nd Floor, 3rd Floor, Mezzanine, 1st Floor, and Basement.

ALLOWABLE HEIGHT
ALLOWABLE OCCUPANCY CLASSIFICATION
Primary Occupancy Classification: A-1 through A-5

2018 NC BUILDING CODE: New Building
2018 NC EXISTING BUILDING CODE: EXISTING
CONSTRUCTED: (date)
RENOVATED: (date)

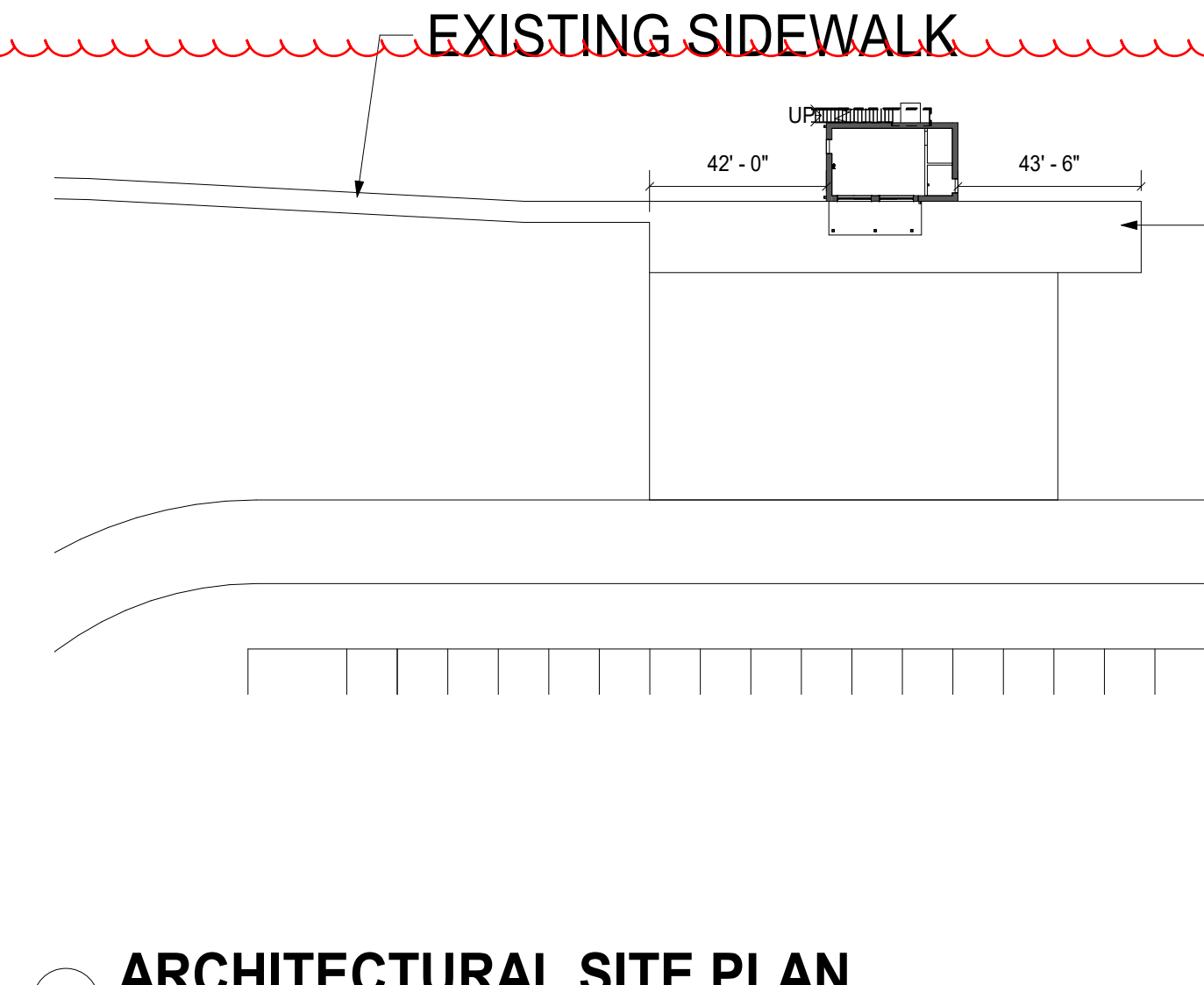
BASIC BUILDING DATA
Construction Type: I-A, I-B, II-A, II-B, III-A, III-B, IV, V-A, V-B
Sprinklers: No, Partial, Yes
Fire Alarm: No, Yes

Table: ACCESSIBLE PARKING (SECTION 1106) showing lot or parking area, total # of parking spaces required/provided, and accessible spaces provided.

Table: PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1) showing use, sanitary fixtures, lavatories, showers, and drinking fountains.

SPECIAL APPROVALS
Insurance, OSC, DPL, DHHS, etc., describe below
ALMALANC COUNTY INSPECTIONS DEPARTMENT, NC DEPARTMENT OF PUBLIC INSTRUCTION

Table: COMcheck Software Version COMcheckWeb Envelope Compliance Certificate. Includes project information and envelope assemblies table.



3 ARCHITECTURAL SITE PLAN 1" = 40'-0"

ENERGY SUMMARY
SEISMIC DESIGN CATEGORY
RISK CATEGORY

Thermal Envelope (Prescriptive method only)
Roof/Flooring Assembly
Exterior Walls

Windows and Glazing
Interior Partitions
Mechanical Systems, Service Systems and Equipment

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
Interior Design Conditions
Building Heating Load

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Mechanical Spacing Conditioning System
List Equipment Efficiencies

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone
Interior Design Conditions
Building Heating Load

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
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MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
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Interior Design Conditions
Building Heating Load

2 SECOND FLOOR - LIFE SAFETY PLAN 3/16" = 1'-0"

Table: FLOOR AREA INCREASES FROM SECTION 506.3. Columns: STORY NO., DESCRIPTION AND USE, (A) BLDG AREA PER STORY (ACTUAL), (B) TABLE 506.2 AREA, (C) AREA FOR FRONTAGE INCREASE, (D) ALLOWABLE AREA PER STORY OR UNLIMITED.

1 Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = (F)
b. Total Building Perimeter = (P)
c. Ratio (F/P) = (F/P)

Table: ALLOWABLE HEIGHT. Columns: BUILDING HEIGHT IN FEET (TABLE 504.3), 1, 2, 3. Rows: Building Height in Feet (Table 504.3), Building Height in Stories (Table 504.4).

1 Provide code reference if "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
2 The maximum height of air traffic control towers must comply with Table 412.3.1.
3 The maximum height of open parking garages must comply with Table 406.5.4.

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

DESIGN LOADS
Importance Factors
Live Load
Ground Snow Load
Wind Load

SEISMIC DESIGN CATEGORY
RISK CATEGORY
Spectral Response Acceleration
Site Classification

ANALYSIS PROCEDURE
Architectural, Mechanical, Components Anchored
LATERAL DESIGN CONTROL

SOIL BEARING CAPACITIES
Field Test (provide copy of test report)
Prescriptive Bearing Capacity

SOIL BEARING CAPACITIES
Field Test (provide copy of test report)
Prescriptive Bearing Capacity

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Field Test (provide copy of test report)
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Field Test (provide copy of test report)
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Field Test (provide copy of test report)
Prescriptive Bearing Capacity

2 SECOND FLOOR - LIFE SAFETY PLAN 3/16" = 1'-0"

Table: FIRE PROTECTION REQUIREMENTS. Columns: BUILDING ELEMENT, FIRE SEPARATION, RATING, DETAIL #, DESIGN #, SHEET # FOR RATED PENETRATION, SHEET # FOR RATED JOINTS.

Table: FIRE PROTECTION REQUIREMENTS. Columns: BUILDING ELEMENT, FIRE SEPARATION, RATING, DETAIL #, DESIGN #, SHEET # FOR RATED PENETRATION, SHEET # FOR RATED JOINTS.

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Interior Design Conditions

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Building Heating Load

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Mechanical Spacing Conditioning System

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
List Equipment Efficiencies

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Interior Design Conditions

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Building Heating Load

1 FIRST FLOOR - LIFE SAFETY PLAN 3/16" = 1'-0"

Table: PERCENTAGE OF WALL OPENING CALCULATIONS. Columns: FIRE SEPARATION DISTANCE, DESIGN OF OPENINGS PROTECTION, ALLOWABLE AREA (%), ACTUAL SHOWN ON PLANS (%).

LIFE SAFETY SYSTEM REQUIREMENTS
Emergency Lighting
Exit Signs
Fire Alarm
Smoke Detection Systems
Carbon Monoxide Detection

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #: LS200
Fire and/or smoke rated wall locations
Exterior wall opening area

LIFE SAFETY PLAN REQUIREMENTS
Life Safety Plan Sheet #: LS200
Fire and/or smoke rated wall locations
Exterior wall opening area

LIFE SAFETY PLAN REQUIREMENTS
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Fire and/or smoke rated wall locations
Exterior wall opening area

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Interior Design Conditions

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Building Heating Load

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Mechanical Spacing Conditioning System

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
List Equipment Efficiencies

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Thermal Zone

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Interior Design Conditions

MECHANICAL DESIGN
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT
Building Heating Load

1 FIRST FLOOR - LIFE SAFETY PLAN 3/16" = 1'-0"

BID SET
ISSUE DATE: 12/01/2022

Table: REVISIONS with columns: NO., DESCRIPTION, DATE. Rows for Revision 1 and Revision 2.

Table: REVISIONS with columns: NO., DESCRIPTION, DATE. Rows for Revision 1 and Revision 2.

ABSS EASTERN HS PRESS BOX/CONCESSIONS MEBANE, NC

PROJECT NUMBER 2212

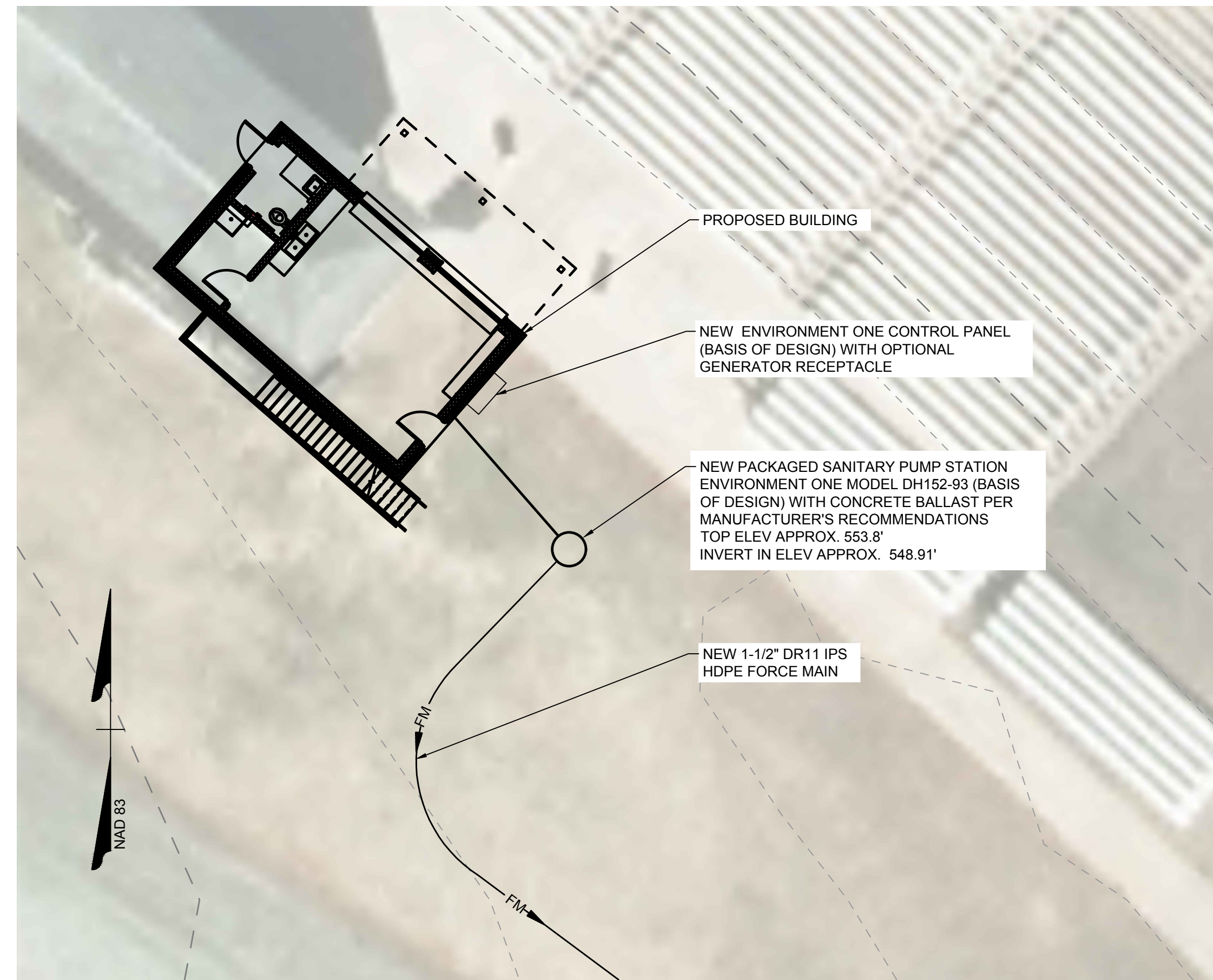
SHEET TITLE APPENDIX B & LIFE SAFETY PLANS

SHEET NUMBER LS100

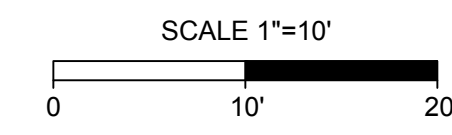
PROJECT NUMBER 2212

SHEET TITLE APPENDIX B & LIFE SAFETY PLANS

SHEET NUMBER LS100



PUMP STATION LAYOUT
SCALE: 1"=10'



DESIGN CRITERIA:

- PUMP STATION IS NOT LOCATED WITHIN 100-YR FLOODPLAIN ACCORDING TO FEMA FIRM MAP 3710981600K DATED 11/17/2017.
- THE PRESS BOX AND CONCESSIONS STAND HAS BEEN DESIGNED TO HANDLE AN AVERAGE DAILY FLOW OF 50 GALLONS PER 100 SQUARE FEET OF SPACE PER DAY (GPD) BASED ON 15A NCAC 02T FLOW RULES: 453 SQUARE FEET AT 50 GPD/100 SQ FT. OVER A PERIOD OF 6 HOURS HAS A PEAK INFLUENT RATE OF 1.57 GALLONS PER MINUTE BASED ON A PEAKING FACTOR OF 2.5. THE STATION WILL BE A DUPLEX ENVIRONMENT ONE STATION (OR APPROVED EQUAL) WITH A 1-1/2" INCH FORCE MAIN, WHICH WILL DISCHARGE TO AN EXISTING MANHOLE IN THE NORTH WEST CORNER OUTSIDE OF THE GYM.
- PUMP STATION FLOWS ARE HANDLED BY A SINGLE ENVIRONMENT ONE SUBMERSIBLE GRINDER PUMP OR APPROVED EQUIVALENT OPERATING AT THE RATE SHOWN BELOW. A SECOND ENVIRONMENT ONE PUMP IS PROVIDED FOR REDUNDANCY.
- THE DESIGN PUMPING RATE IS 13.5 GPM AT 28.76' TDH UTILIZING A SINGLE PUMP.

PUMP STATION NOTES:

- ALL PUMP STATION COMPONENTS SHALL BE SUPPLIED BY ONE MANUFACTURER: ENVIRONMENT ONE OR APPROVED EQUIVALENT.
- CONTRACTOR TO MAINTAIN A DRY EXCAVATION UNTIL ALL BACKFILLING IS COMPLETED.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM PUMP STATION.

ELECTRICAL NOTES:

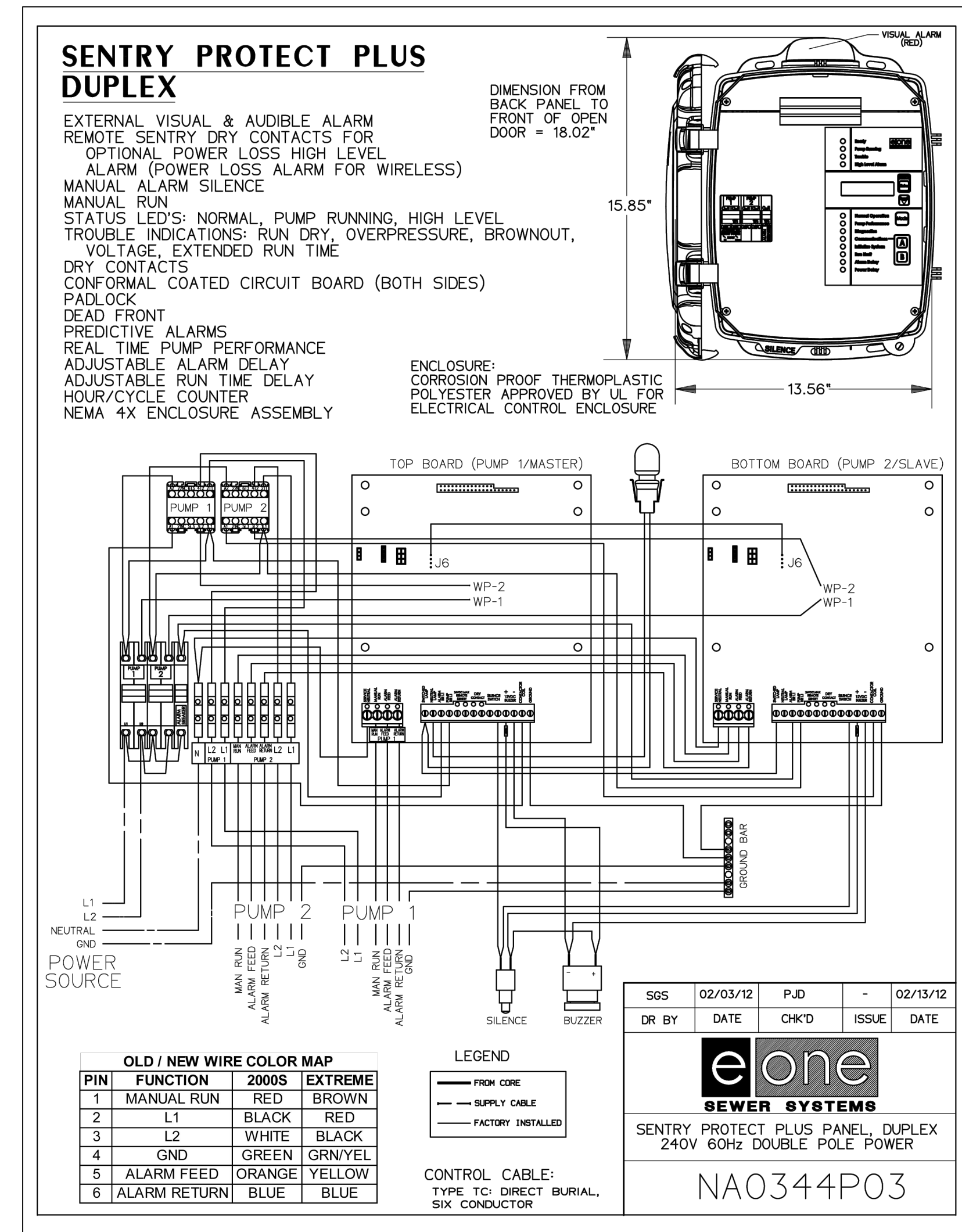
- ALL ABOVE-GRADE ENCLOSURES INSTALLED UNDER THIS CONTRACT SHALL BE PAD LOCKABLE AND NEMA 4X.
- ALL WIRE INSTALLED UNDER THIS CONTRACT SHALL BE COPPER.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND REGULATIONS; AND THE RECOMMENDATIONS AND REQUIREMENTS OF THE EQUIPMENT MANUFACTURERS.
- NO ELECTRICAL SPLICES ALLOWED IN WET WELL.
- ALL EXTERIOR CONDUITS SHALL BE UNDERGROUND AND SHALL BE INSTALLED PER 1996 NEC TABLE 300-5 & TABLE 300-50 AND ARTICLE 300-6 (PROTECTION AGAINST CORROSION).
- E/ONE CELLULAR MODEM SENTRY ADVISOR AND SENTRY PROTECT PLUS DUPLEX SHALL BE COMBINED INTO ONE PANEL. MANUFACTURER'S PANEL SHALL ALSO INCLUDE A GENERATOR CONNECTION AND MANUAL TRANSFER SWITCH.

GENERAL NOTES:

- CONTRACTOR TO FIELD VERIFY INVERT ELEVATION AND SELECT APPROPRIATE HEIGHT OF E-ONE PACKAGED PS.
- CONTRACTOR TO CHECK WITHIN WORK AREA FOR EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

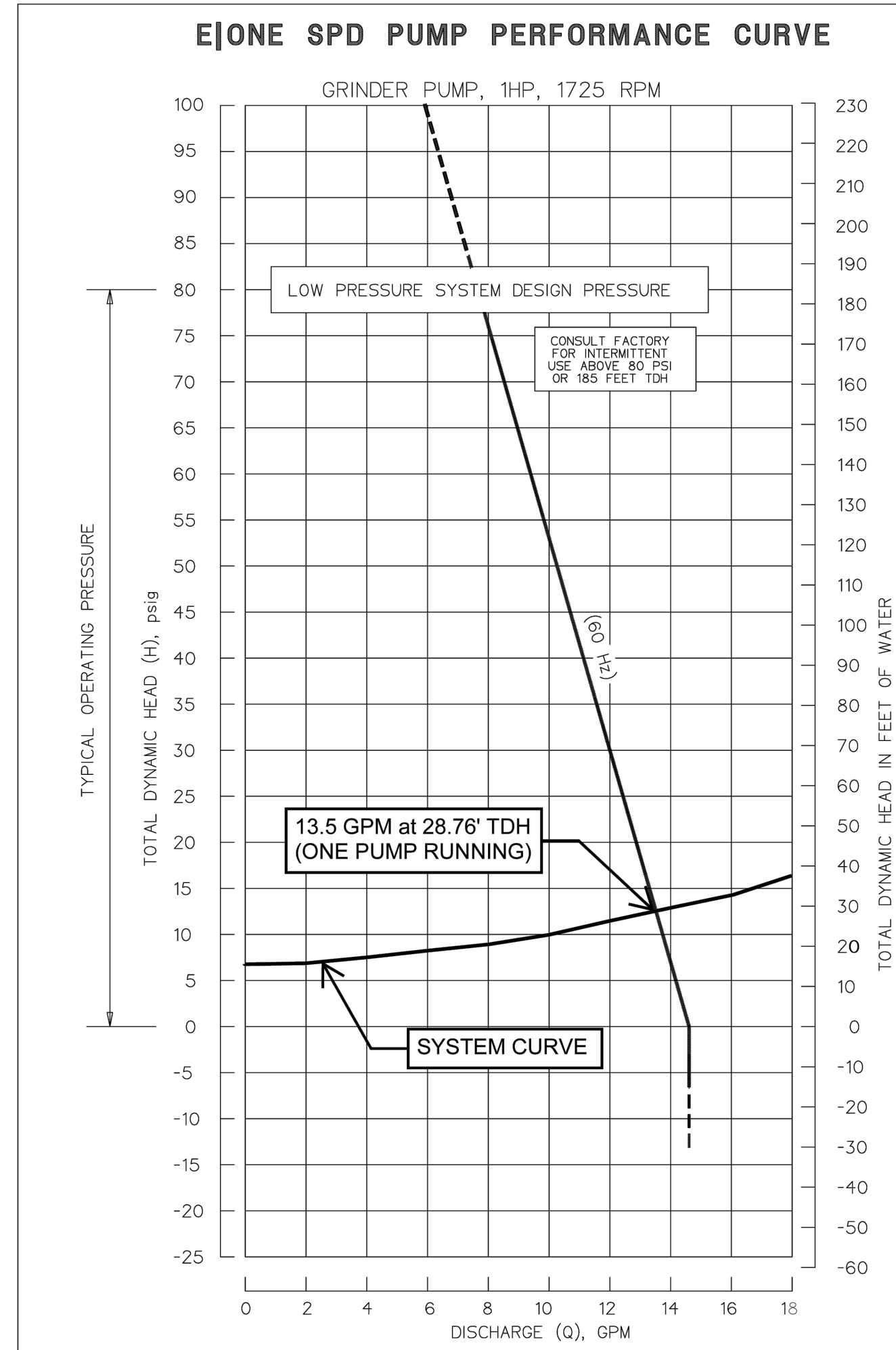
PUMP STATION BALLAST REQUIREMENTS

Station Height (in)	Wetwell Volume (cu ft)	F'Net-Buoyant (lb)	Station Weight (lb)	Fballast (lb)	Volume Concrete (cu ft)	Weight Concrete in Air (lb)
93 inches	22	902.8	470	2787.4	6.1	915
129 inches	22	863.8	509	5174.4	6.1	915
160 inches	22	833.8	539	7253.4	6.1	915

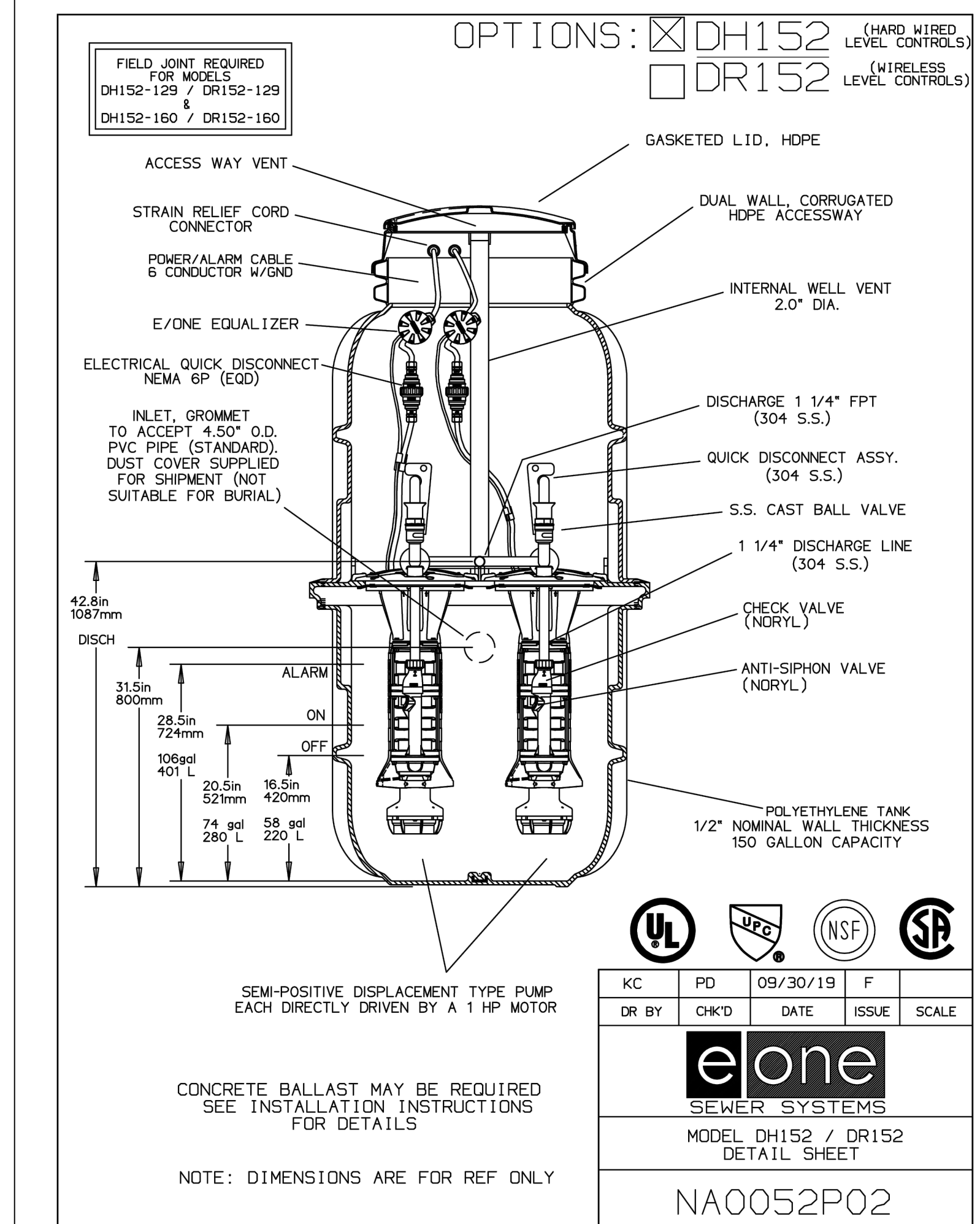


DUPLEX PUMP CONTROL PANEL
SCALE: NOT TO SCALE

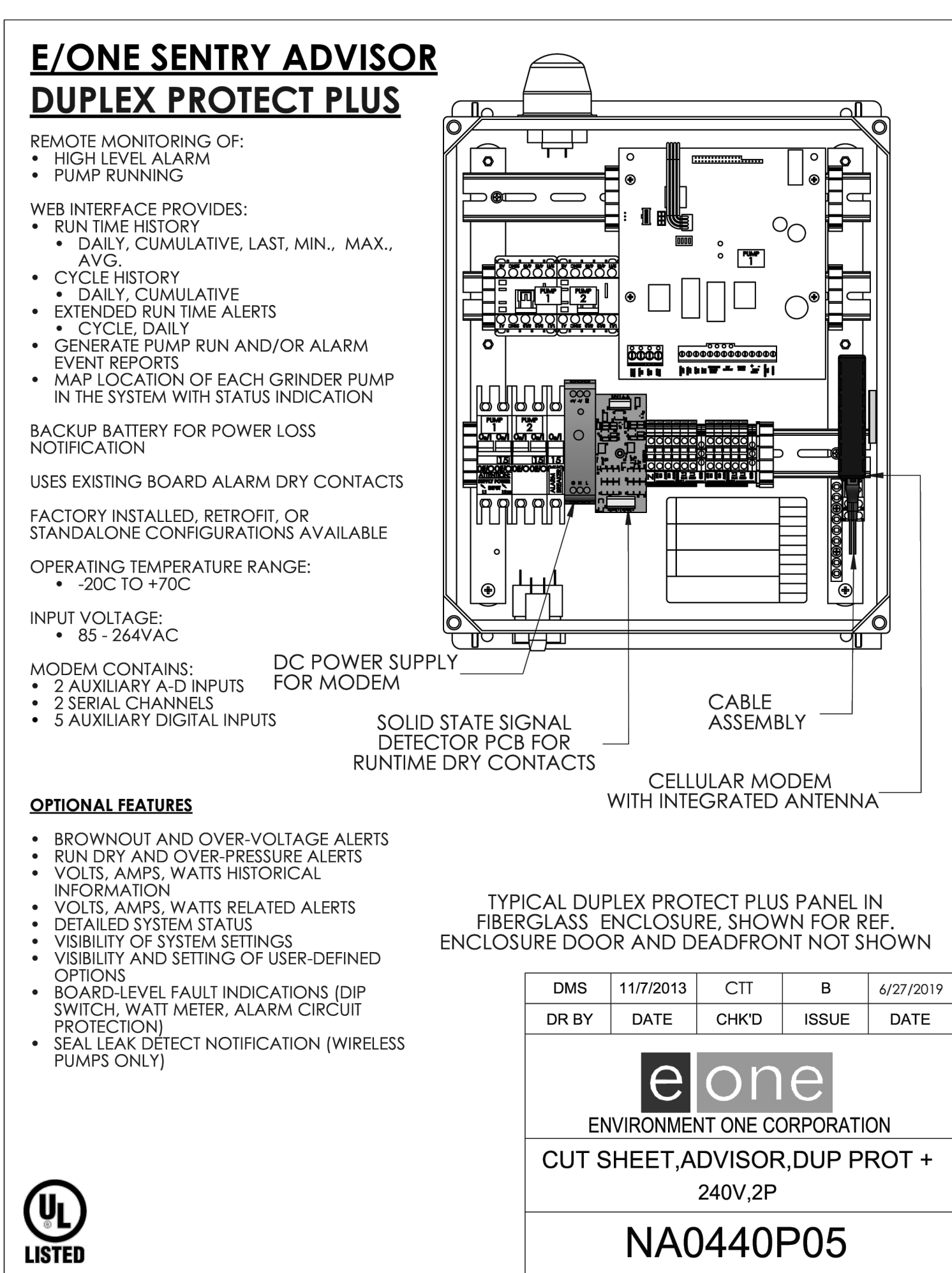
BASIS OF DESIGN:



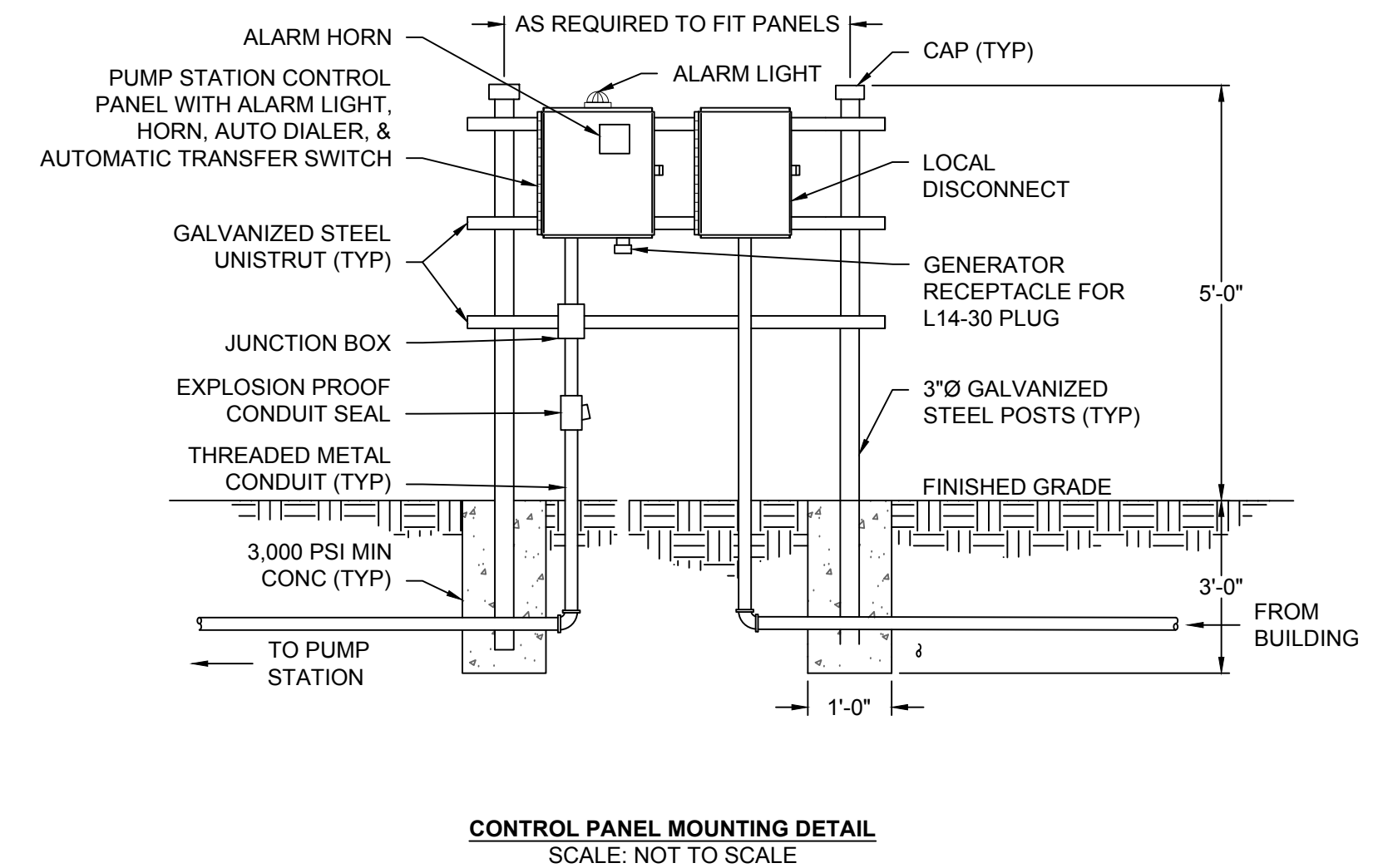
PUMP PERFORMANCE CURVE



DUPLEX GRINDER PUMP STATION SECTION
SCALE: NOT TO SCALE



SENTRY ADVISOR



ISSUE DATE: 12/01/2022

REVISIONS

NO.	DESCRIPTION	DATE
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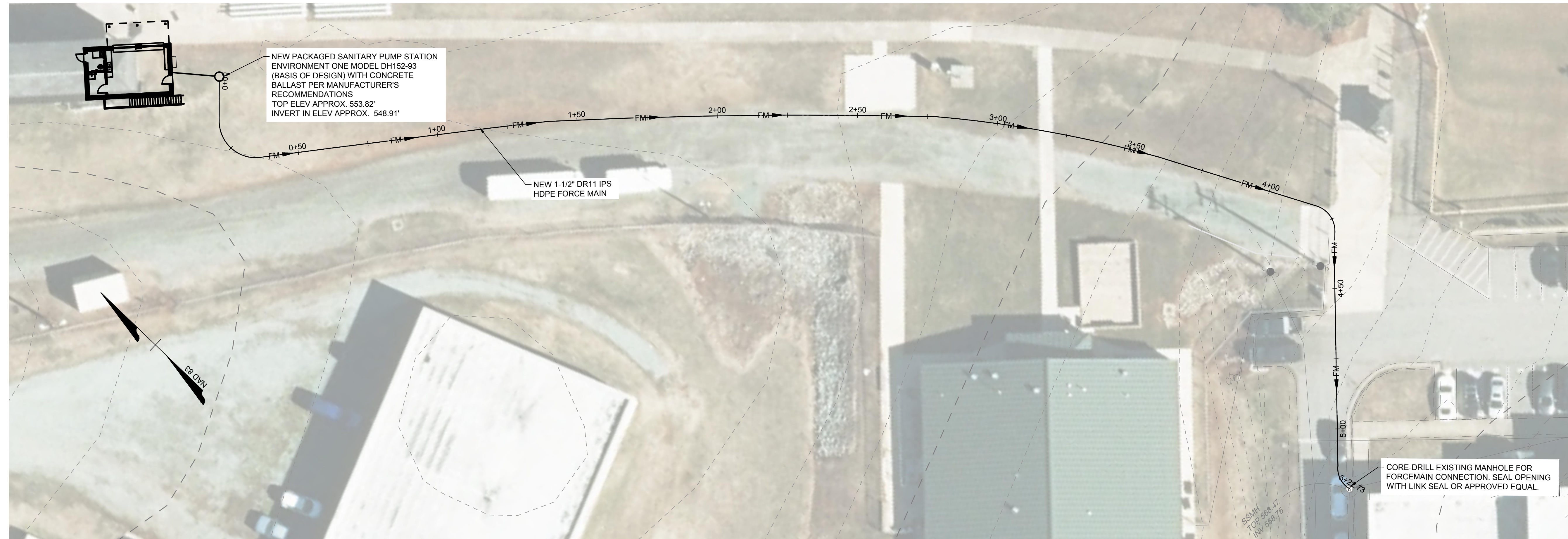
ABSS
EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

PROJECT NUMBER 2212

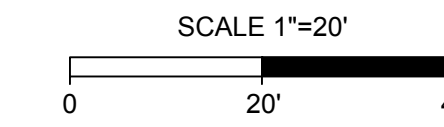
SHEET TITLE
PUMP STATION PLAN

SHEET NUMBER

C1



FORCE MAIN AND PUMP STATION PLAN
SCALE: 1"=20'

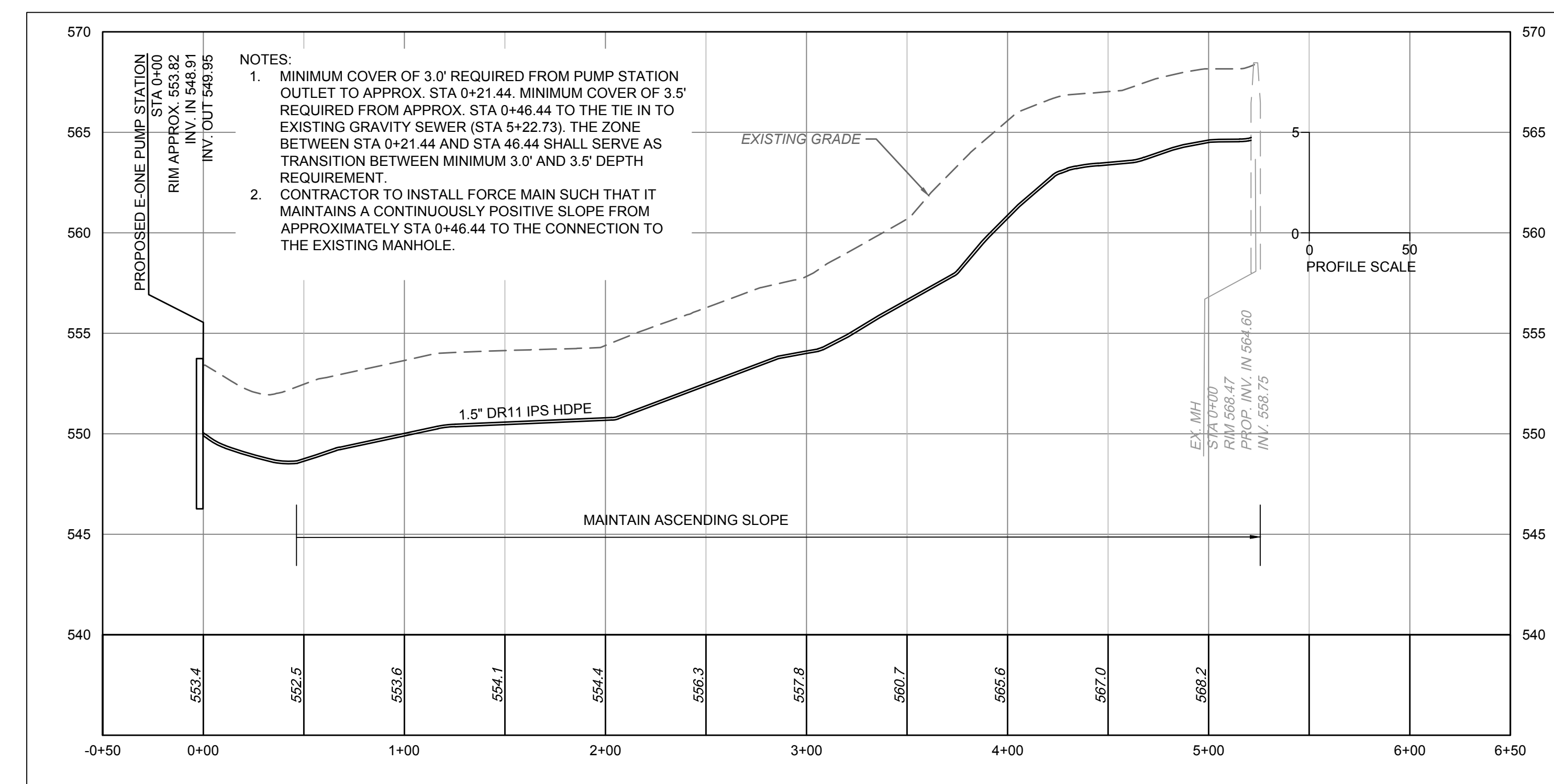


ISSUE DATE: 12/01/2022

REVISIONS

NO.	DESCRIPTION	DATE

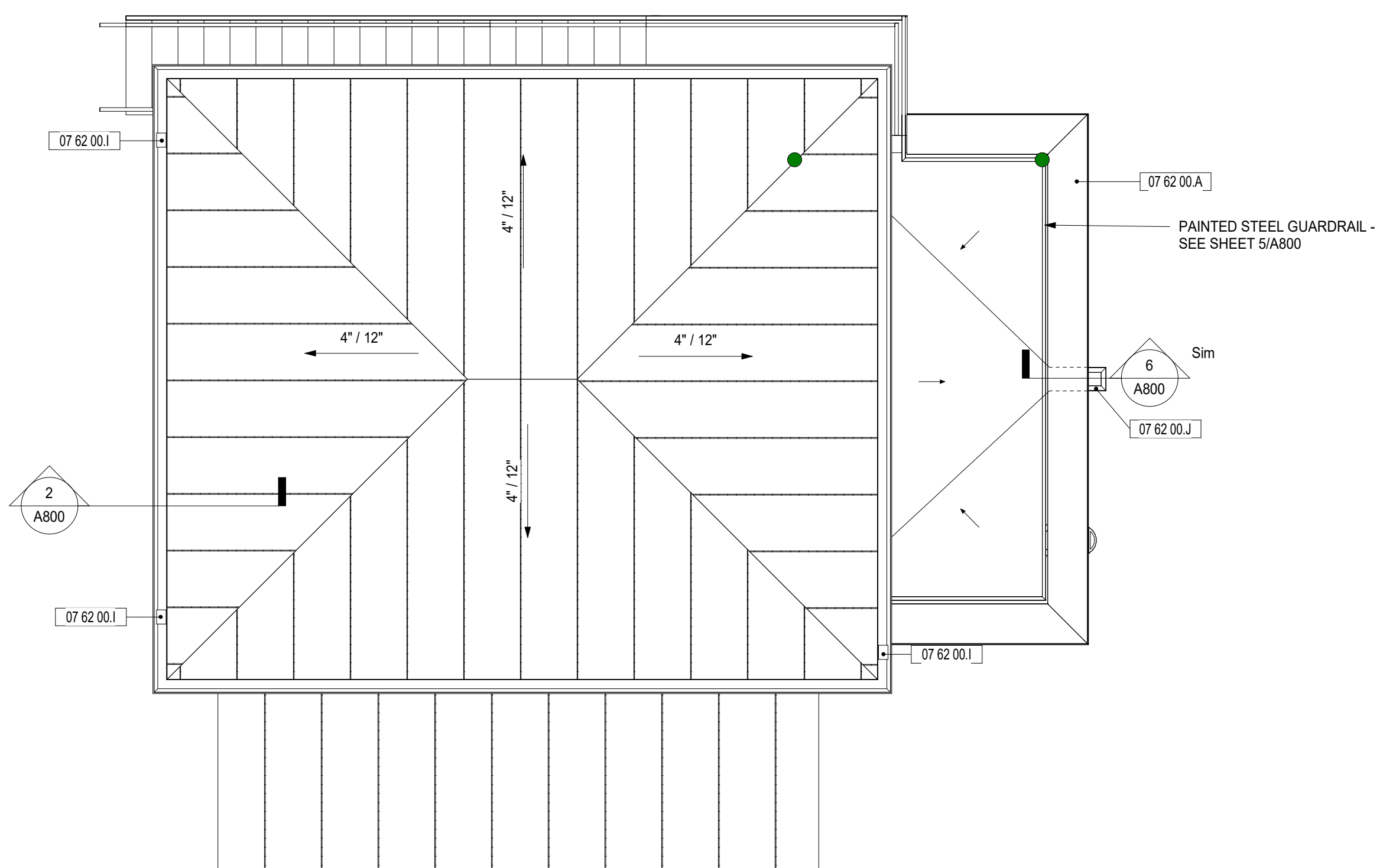
**ABSS
EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC**



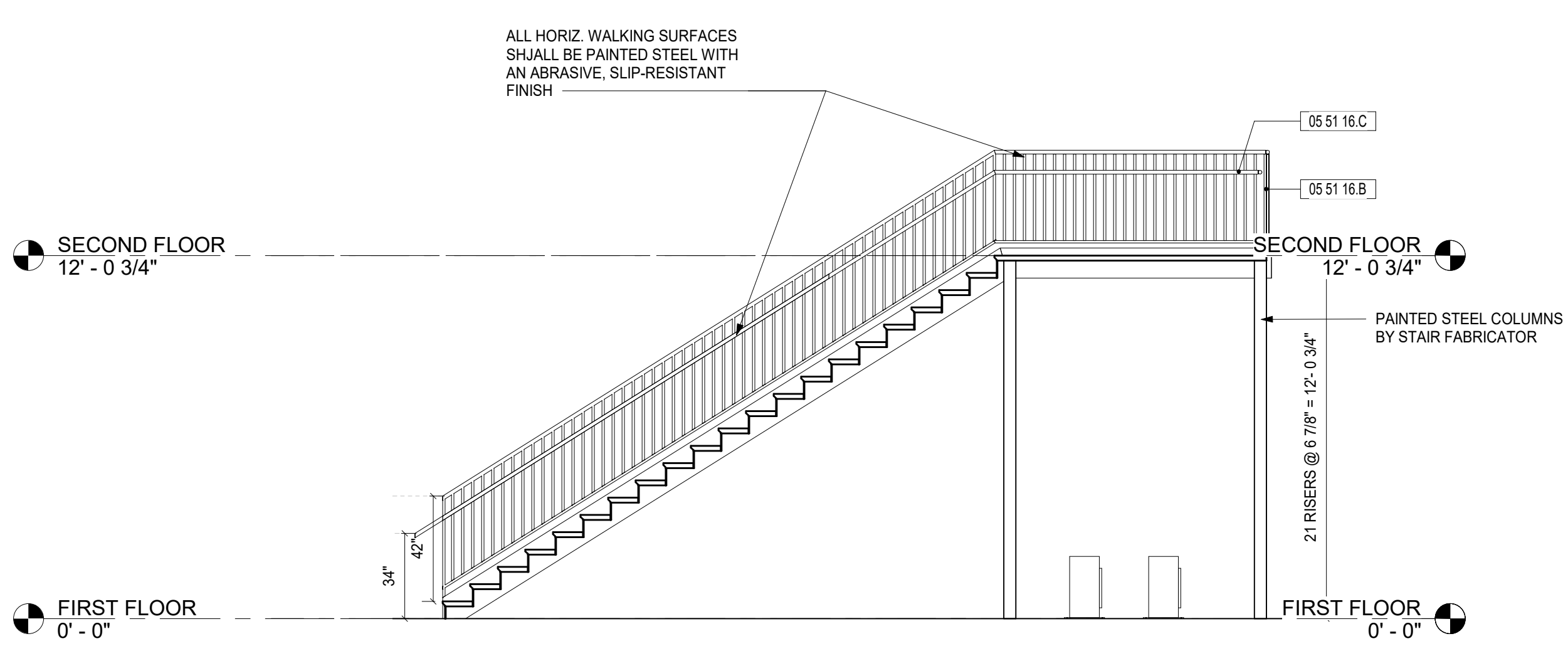
1.50 IN SEWER FORCE MAIN - STA. 0+00.00 - 5+22.73
HORIZ: 1" = 50'
VERT: 1" = 5'

PROJECT NUMBER 2212
SHEET TITLE PUMP STATION PLAN

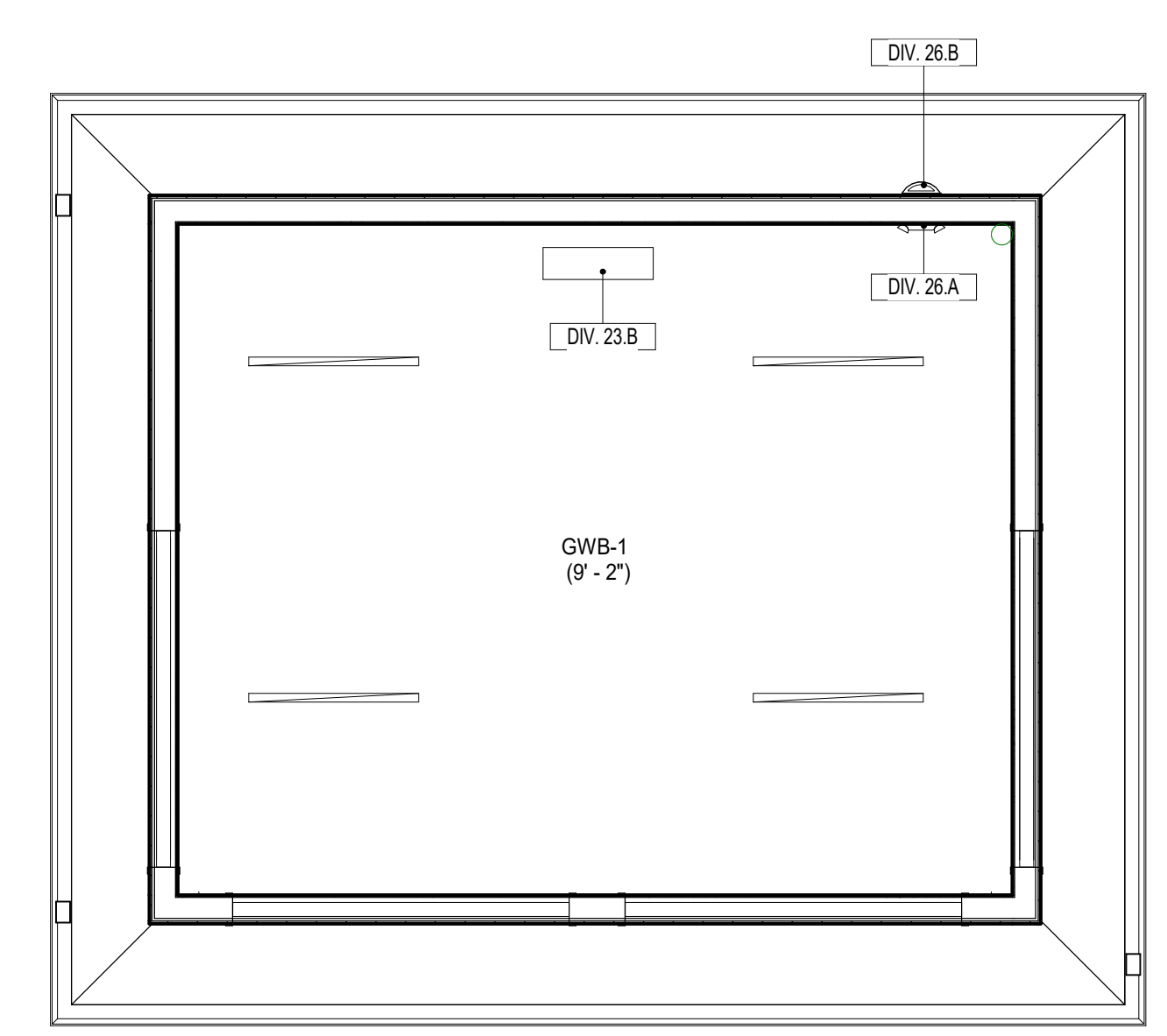
SHEET NUMBER
C2



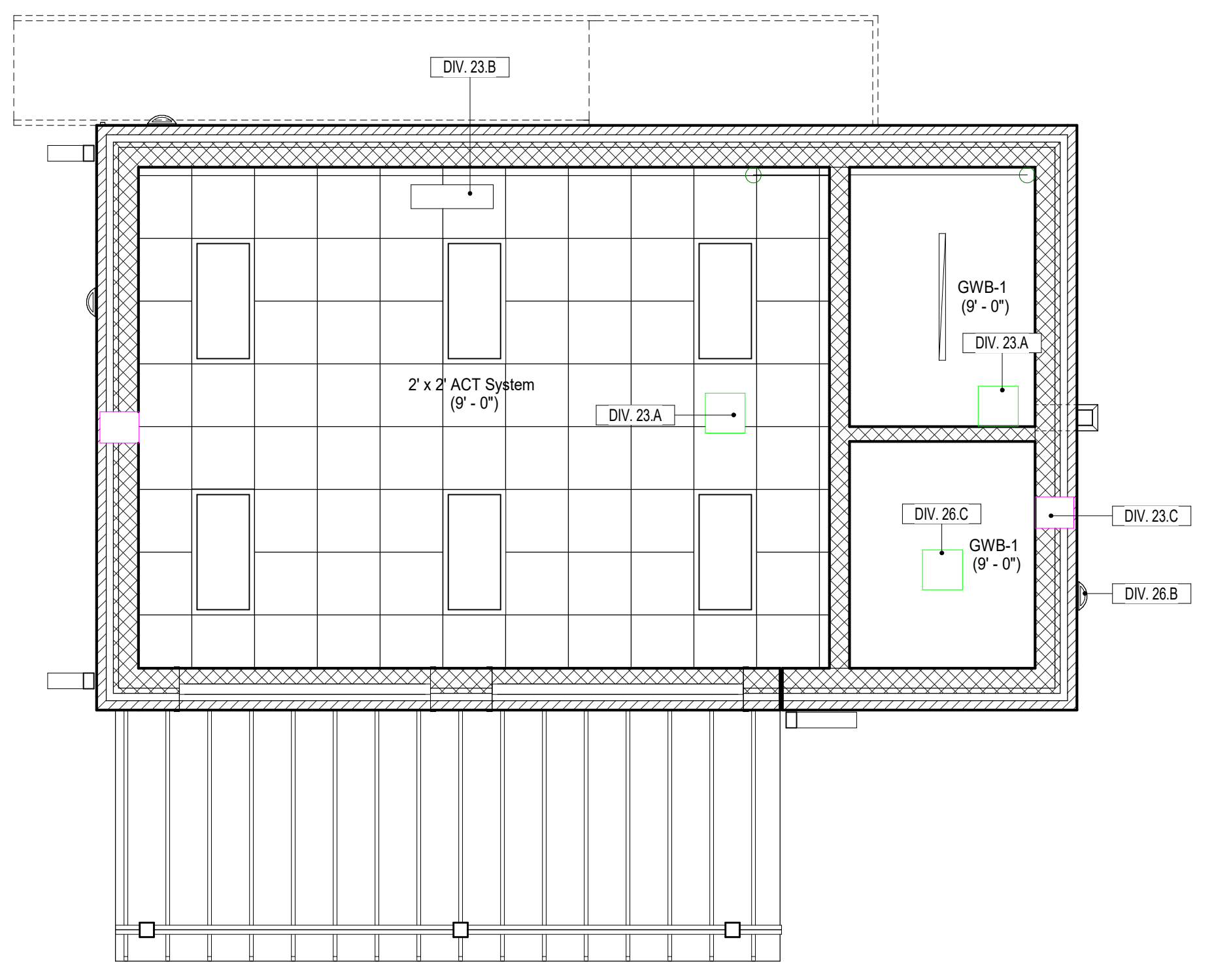
5 ROOF PLAN
1/4" = 1'-0"



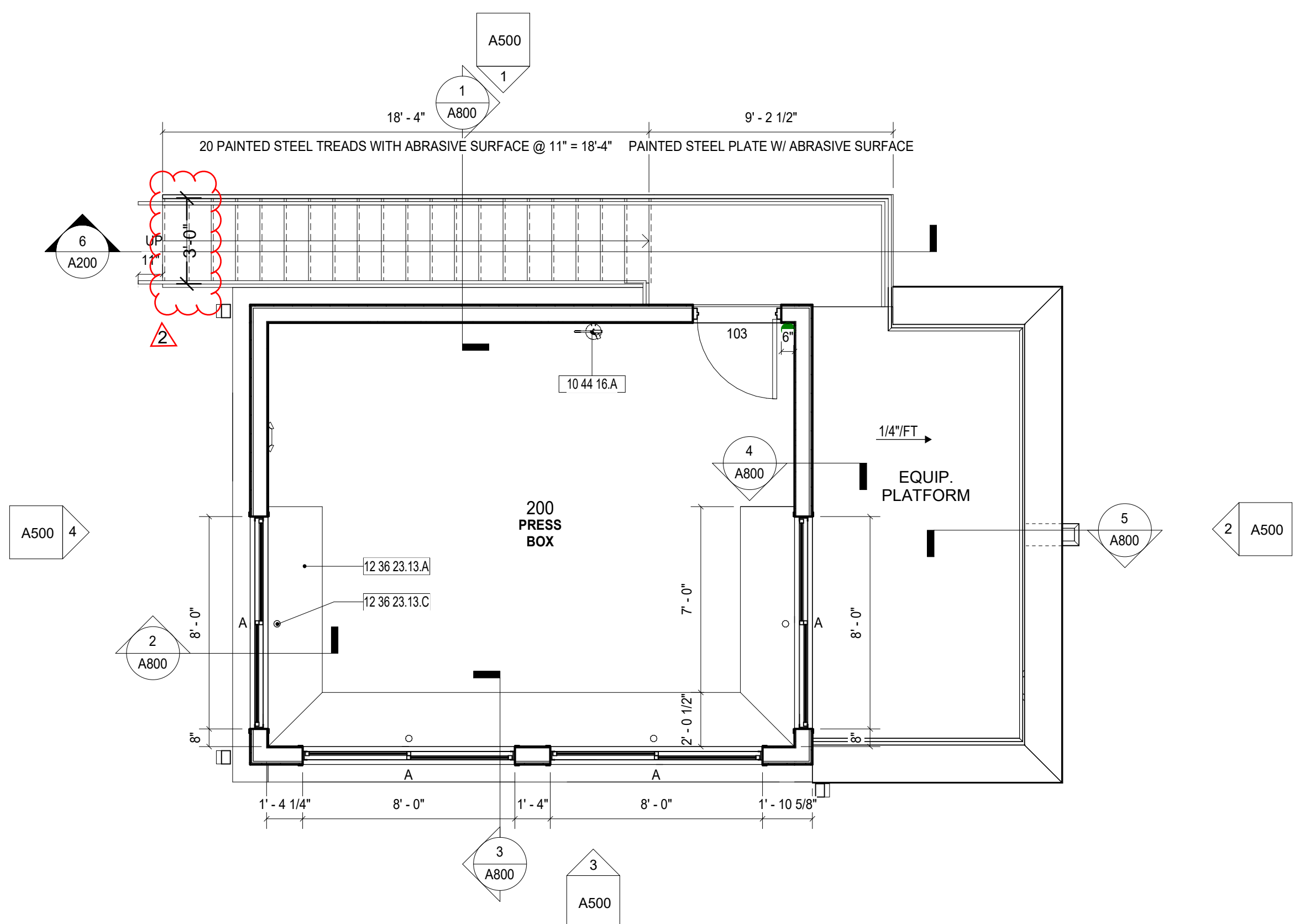
6 STAIR SECTION
1/4" = 1'-0"



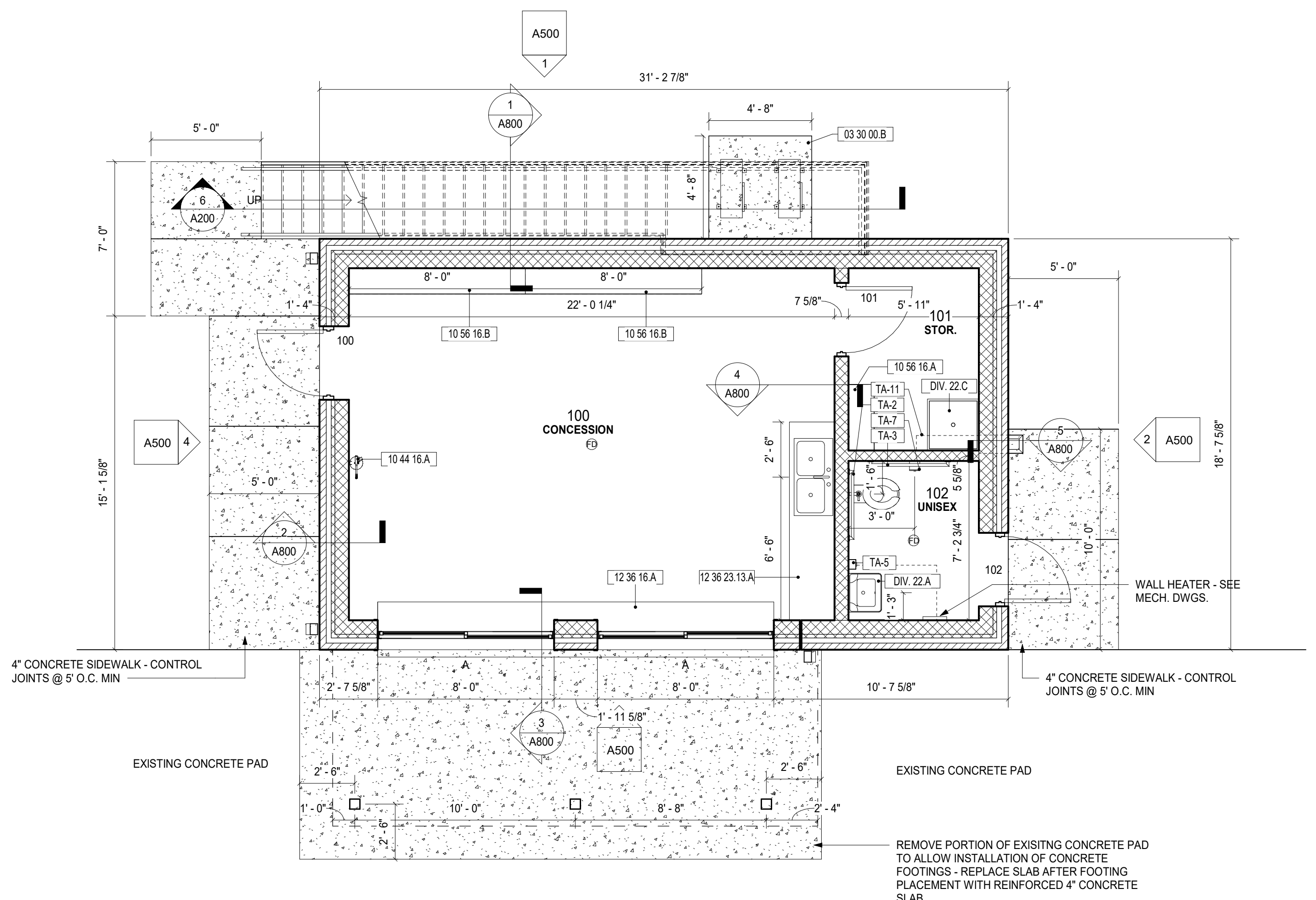
4 SECOND FLOOR RCP
1/4" = 1'-0"



3 FIRST FLOOR RCP
1/4" = 1'-0"



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



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

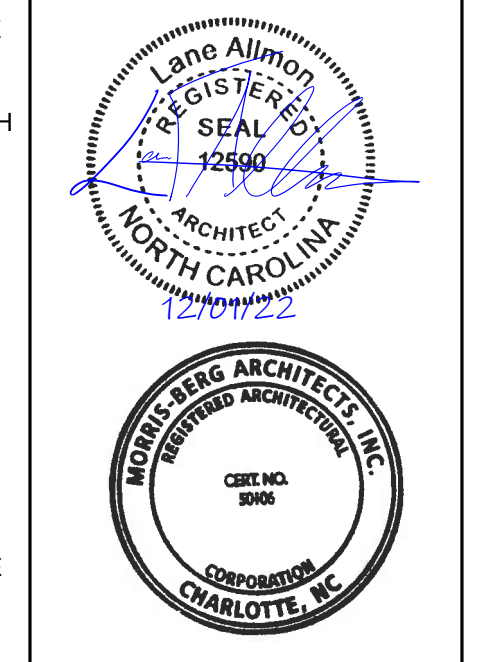
GENERAL NOTES

A. DO NOT SCALE DRAWING. CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS AS SHOWN. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION. ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND COORDINATED WITH ALL OF THE WORK OF ALL TRADES. IF DISCREPANCIES ARE FOUND, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION BEFORE STARTING THE WORK.



KEYNOTES

- 03 30 00.B CONCRETE EQUIPMENT PAD - COORDINATE SIZE AND LOCATION WITH MECHANICAL DRAWINGS (SEE DETAIL 1/M001)
- 05 51 16.B 1 1/2" PAINTED STEEL PIPE GUARDRAIL WITH VERTICAL PICKETS AT 4" O.C. - SEE SPEC SECTION 05 51 16
- 05 51 16.C 1 1/2" PAINTED STEEL PIPE HANDRAIL - SEE SPEC SECTION 05 51 16
- 07 62 00.A PRE-FINISHED METAL COPING
- 07 62 00.I PREFINISHED METAL GUTTER AND DOWNSPOUT
- 07 62 00.J PREFINISHED METAL SCUPPER AND DOWNSPOUT
- 10 44 16.A WALL MOUNTED FIRE EXTINGUISHER - SEE SECTION 10 44 16
- 10 56 16.A 14" DEEP WOOD SHELVING (36" UNIT) - SEE SPEC SECTION 10 56 16
- 10 56 16.B 14" DEEP WOOD SHELVING (8'-0" UNIT) - SEE SPEC SECTION 10 56 16
- 12 36 16.A 30" DEEP METAL COUNTERTOP - SEE SPEC SECTION 12 36 16
- 12 36 23.13.A PLASTIC LAMINATE COUNTERTOP - SEE SPEC SECTION 12 36 23.13
- 12 36 23.13.C 2" PLASTIC GROMMET (TYP 4 LOCATIONS) - SEE SPEC SECTION 12 36 23.13
- DIV. 22.A LAVATORY - SEE PLUMBING DRAWINGS
- DIV. 22.C MOP SINK - SEE PLUMBING DRAWINGS
- DIV. 23.A EXHAUST VENT - SEE MECHANICAL DRAWINGS
- DIV. 23.B DUCTLESS MINI-SPLIT HEAD UNIT - SEE MECHANICAL DRAWINGS
- DIV. 23.C MECHANICAL LOUVER - SEE MECHANICAL DRAWINGS
- DIV. 26.A EMERGENCY FIXTURE - SEE ELECTRICAL DRAWINGS
- DIV. 26.B EXTERIOR LIGHTING - SEE ELECTRICAL DRAWINGS
- DIV. 26.C COMBINATION EXHAUST & LIGHT FIXTURE - SEE MECHANICAL AND ELECTRICAL



BID SET

ISSUE DATE: 12/01/2022

REVISIONS		
NO.	DESCRIPTION	DATE
1	Revision 1	03/30/23

SYMBOL LEGEND

- ELEVATION TAG
 - DRAWING NUMBER
 - SHEET NUMBER
- SECTION TAG
 - DRAWING NUMBER
 - SHEET NUMBER
- DETAIL TAG
 - DRAWING NUMBER
 - SHEET NUMBER
- PARTITION TAG
 - PARTITION TYPE (SEE SHEET LS300)
- KEYED NOTE
 -
- MILLWORK/ELEVATION TAG
 - DRAWING NUMBER
 - ELEVATION LETTER
 - SHEET NUMBER
- EXTERIOR WINDOW TAG
 - WINDOW TYPE (SEE SHEET A0500, A1202)
- FINISH FLOOR ELEVATION TAG
 - F.F.EL =
- SPOT ELEVATION TAG
 - SPOT ELEVATION
- CMU CONTROL JOINT (SEE SHEET LS300)
- LAY-IN FIXTURE - SEE ELECTRICAL DRAWINGS
- STRIP LIGHT - SEE ELECTRICAL DRAWINGS
- EXTERIOR WALL SCONCE - SEE ELECTRICAL DRAWINGS

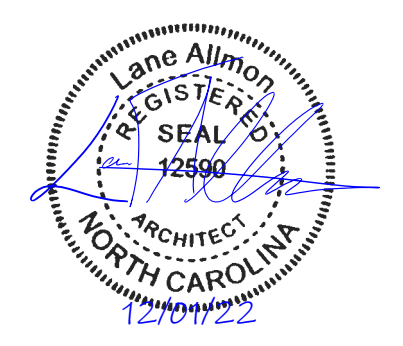
ABSS EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

PROJECT NUMBER 2212
SHEET TITLE FLOOR PLANS
SHEET NUMBER **A200**

KEYNOTES

- 04 20 00 C FACE BRICK - SEE SECTION 042000
- 05 51 16 A FABRICATED METAL STAIRS - SEE SPEC SECTION 05 51 16
- 05 51 16 B 1 1/2" PAINTED STEEL PIPE GUARDRAIL WITH VERTICAL PICKETS AT 4' O.C. - SEE SPEC SECTION 05 51 16
- 07 41 13.16 STANDING-SEAM METAL ROOFING OVER #15 FELT OVER 1/2" PLYWOOD SHEATHING
- 07 46 46 FIBER-CEMENT SIDING
- 07 62 00 A PRE-FINISHED METAL COPING
- 07 62 00 I PRE-FINISHED METAL GUTTER AND DOWNSPOUT
- DIV. 23 C MECHANICAL LOUVER - SEE MECHANICAL DRAWINGS
- DIV. 23 D DUCTLESS MINI-SPLIT - SEE MECHANICAL DRAWINGS
- DIV. 26 B EXTERIOR LIGHTING - SEE ELECTRICAL DRAWINGS

Morris Berg
ARCHITECTS
101 WEST WASHINGTON STREET, SUITE 100, CHARLOTTE, NC 28202
(704) 375-1000



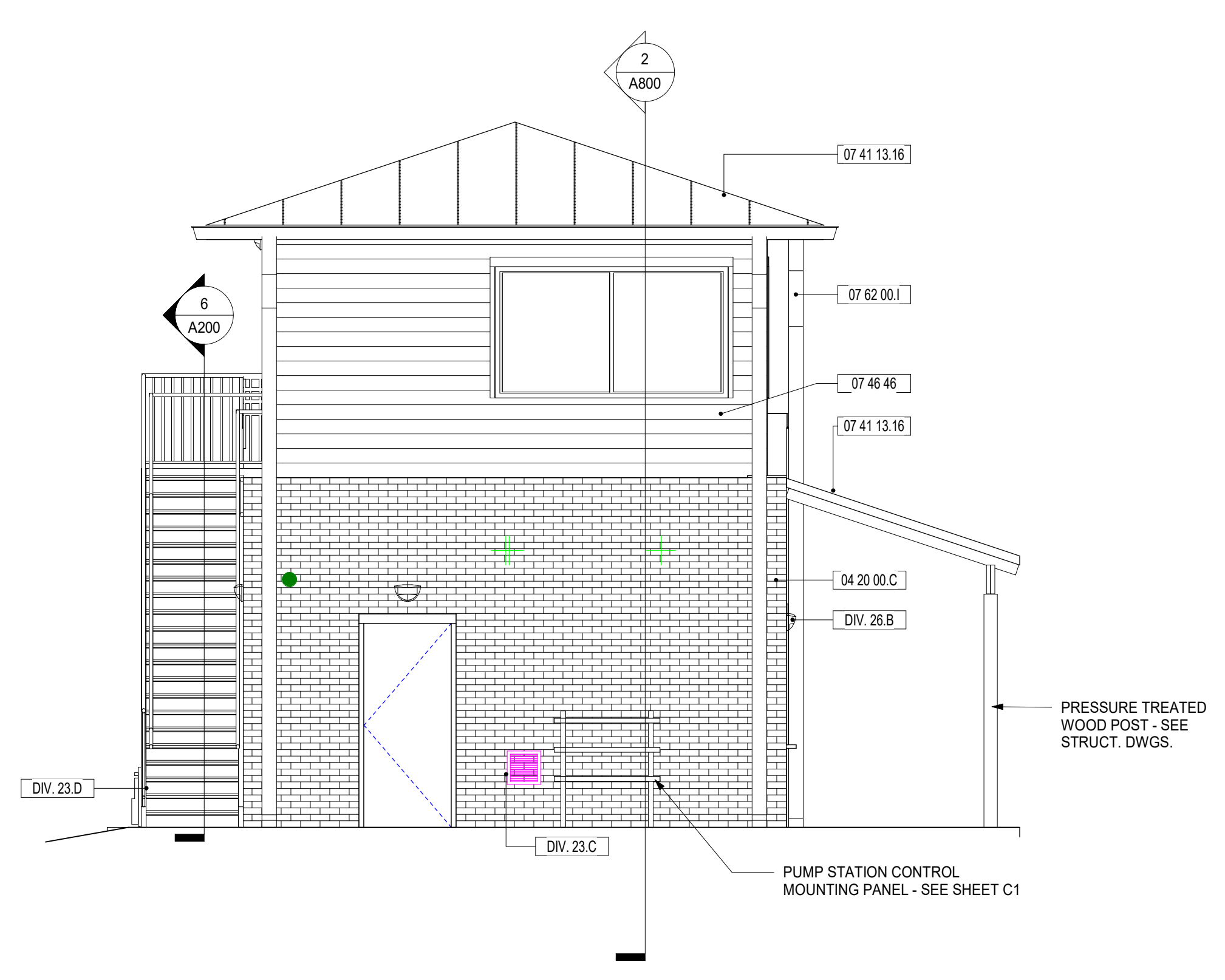
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ISSUE DATE: 12/01/2022

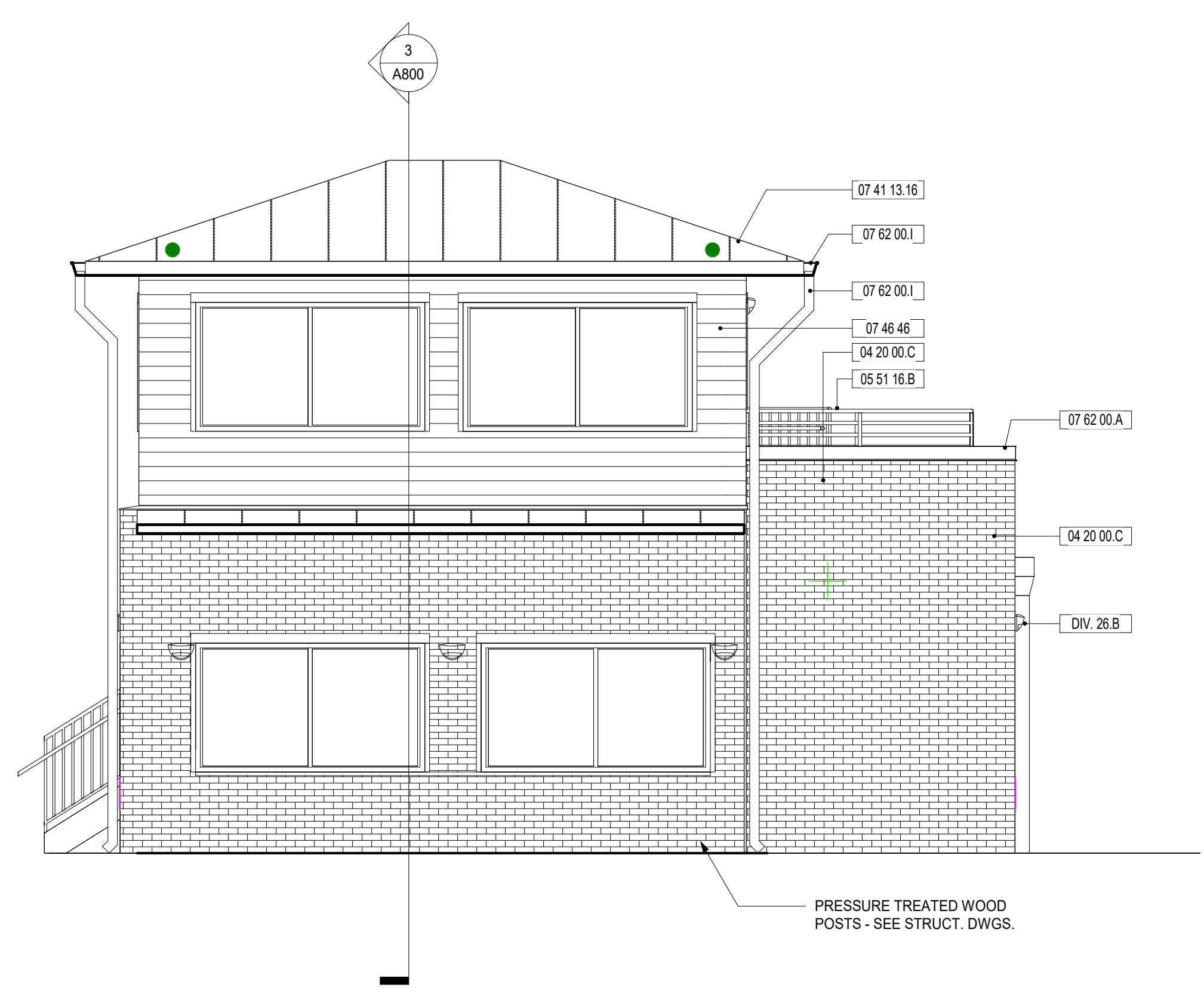
REVISIONS		
NO.	DESCRIPTION	DATE
2	Revision 2	07/05/23

ABSS EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

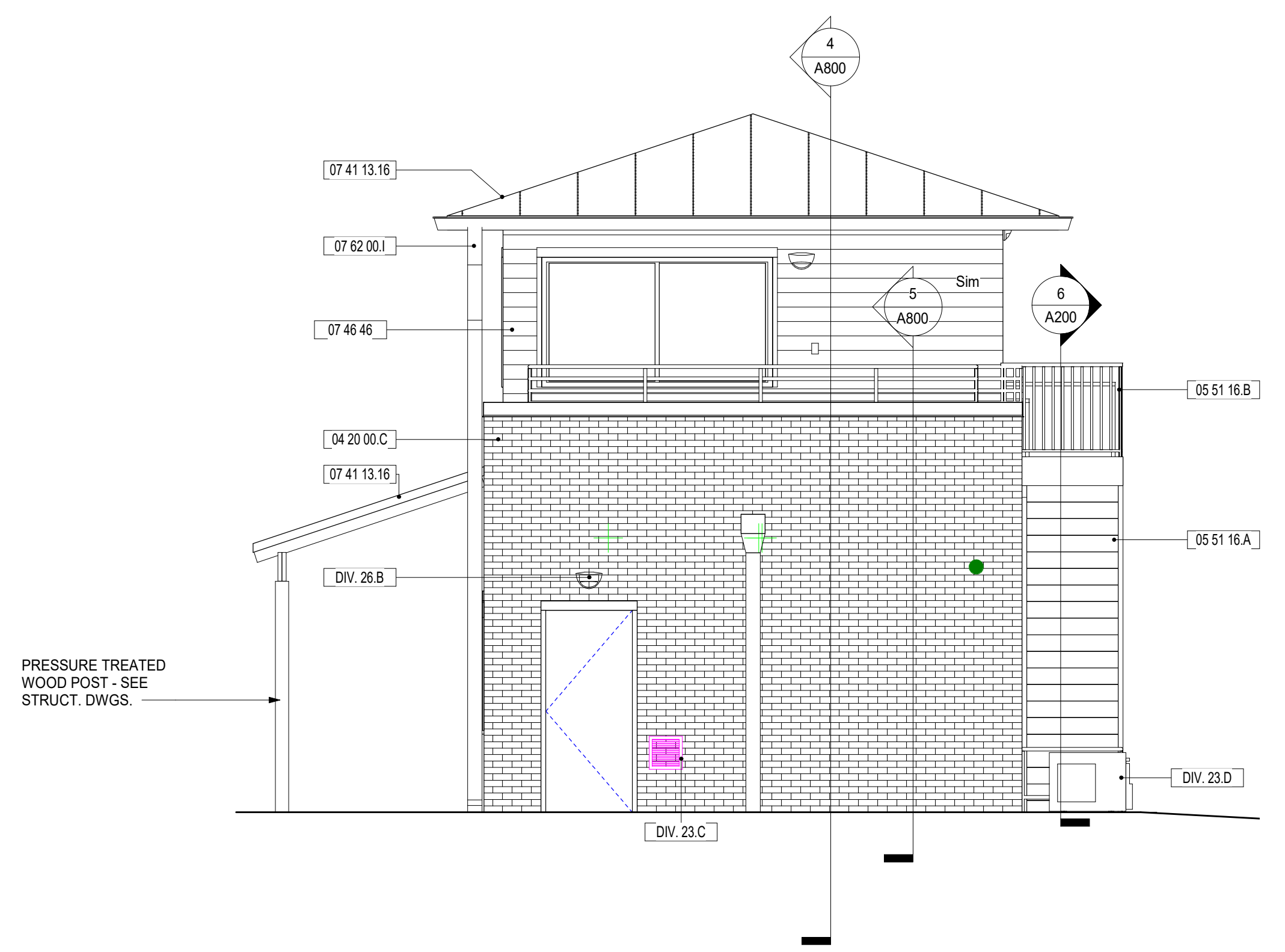
PROJECT NUMBER 2212
SHEET TITLE EXTERIOR ELEVATIONS
SHEET NUMBER **A500**



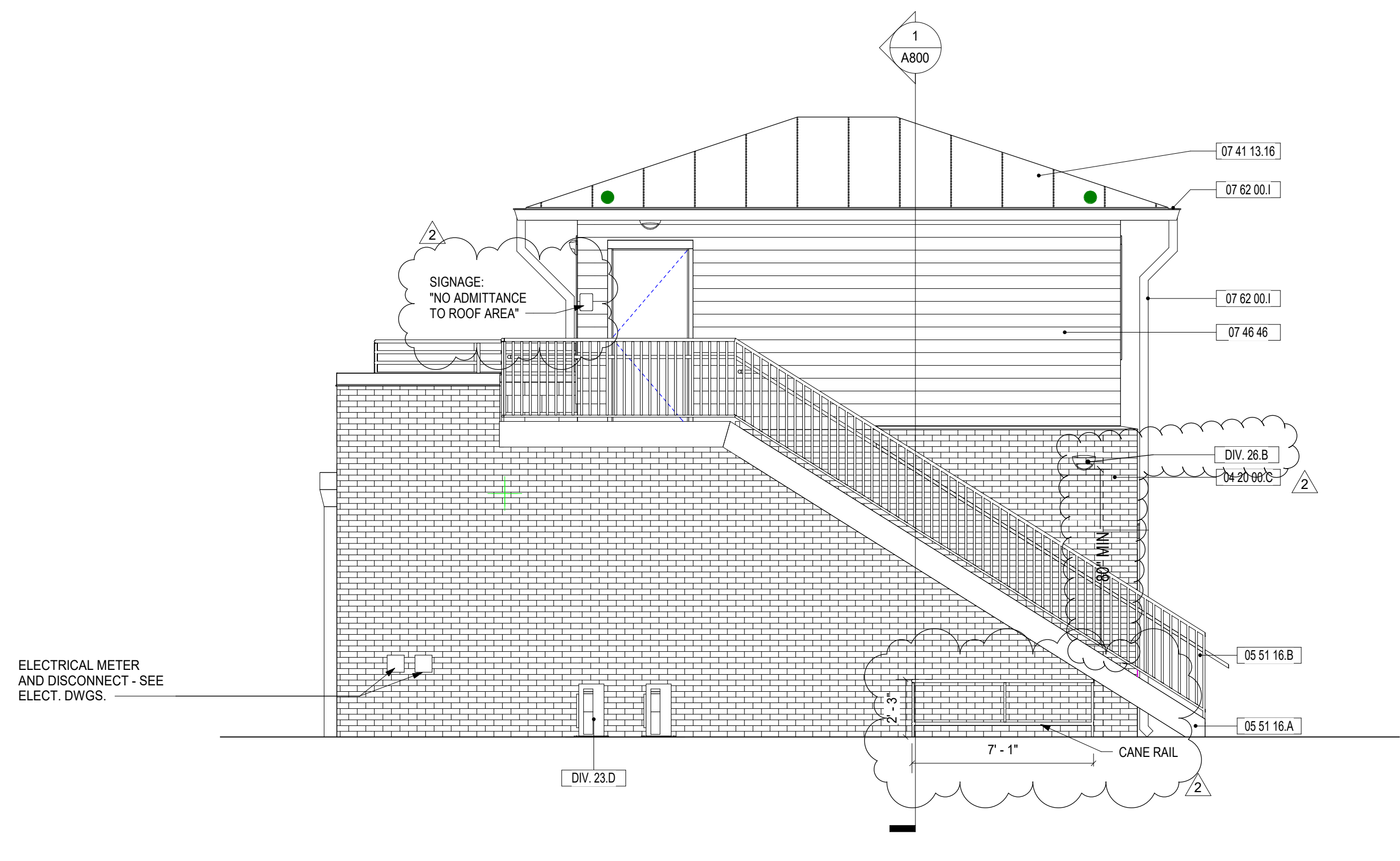
4 WEST ELEVATION
1/4" = 1'-0"



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



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



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

BID SET

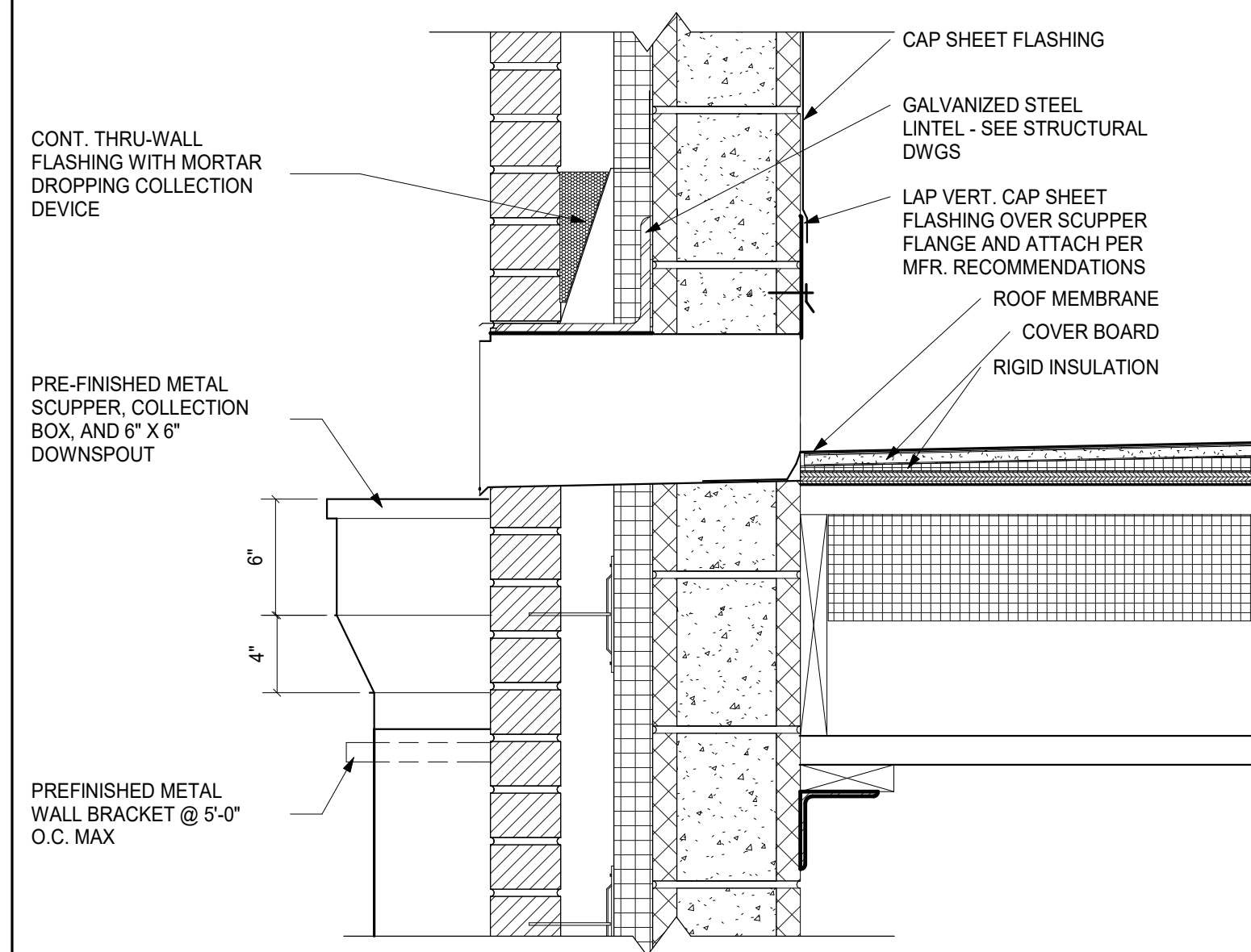
ISSUE DATE: 12/01/2022

REVISIONS		
NO.	DESCRIPTION	DATE
1	Revision 1	03/30/23

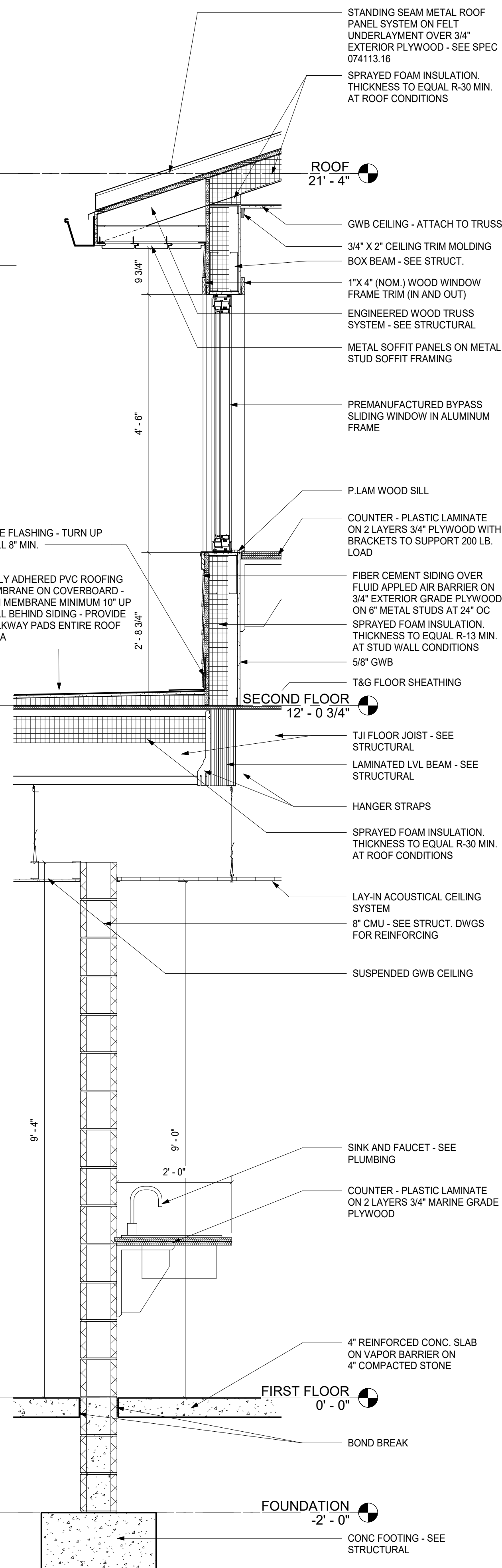
ABSS EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

PROJECT NUMBER 2212
SHEET TITLE WALL SECTIONS

SHEET NUMBER
A800

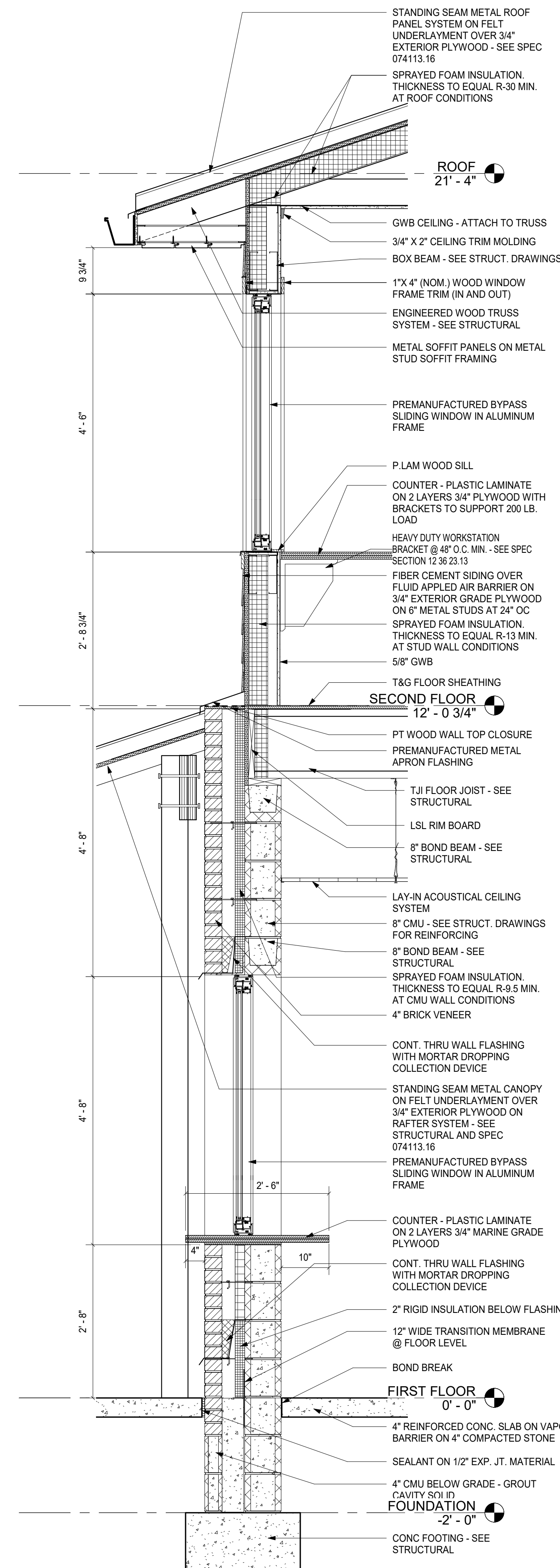


6 SCUPPER DETAIL
1 1/2" = 1'-0"

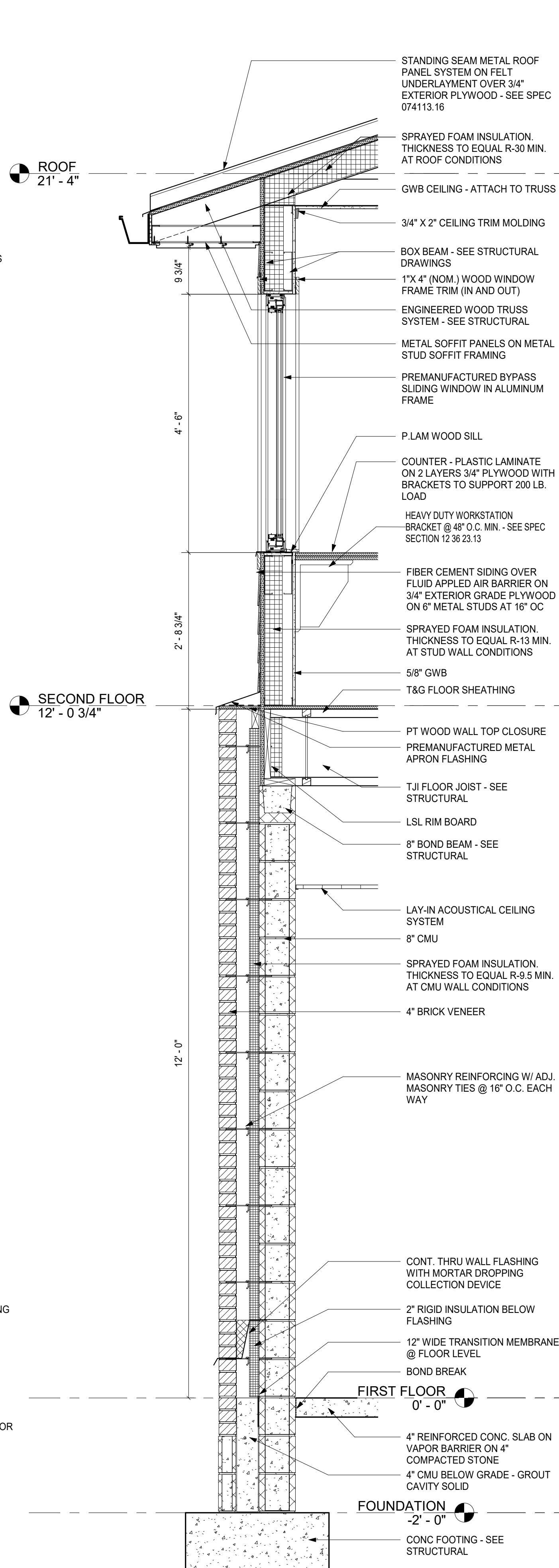


5 WALL SECTION @ EQ. PLATFORM
3/4" = 1'-0"

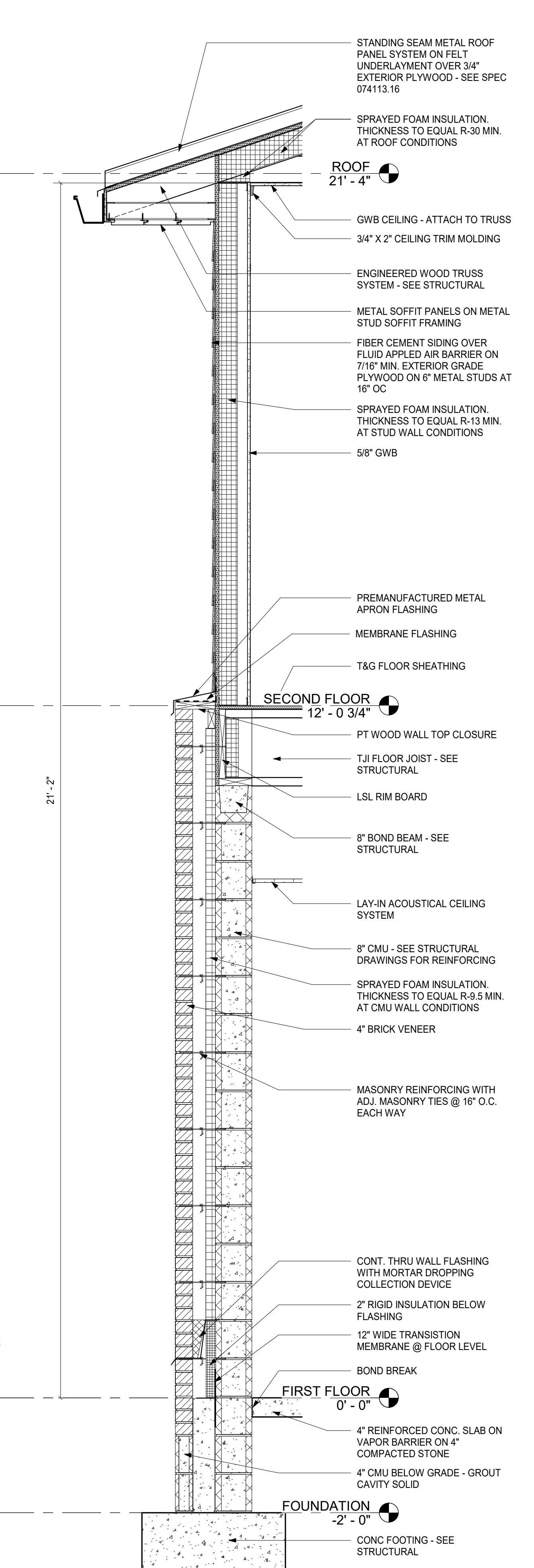
4 WALL SECTION @ LOW ROOF
3/4" = 1'-0"



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



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



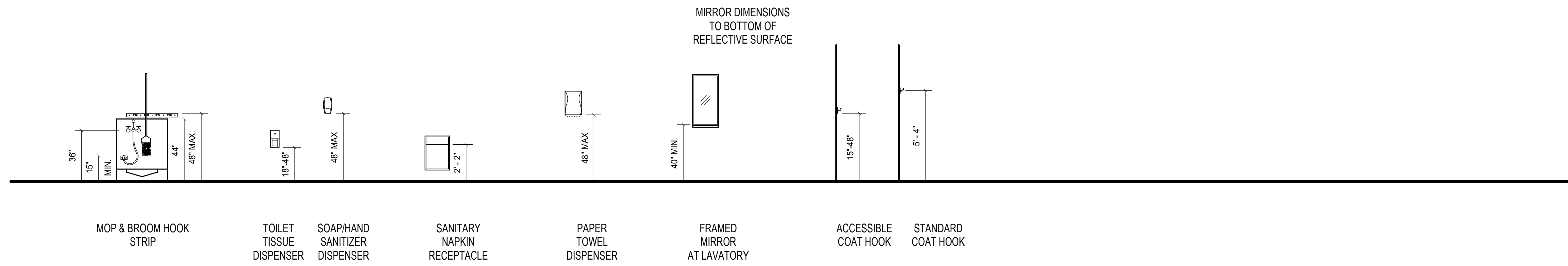
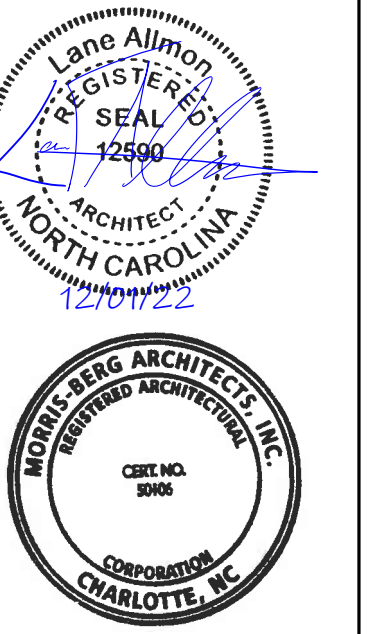
1 WALL SECTION @ NORTH WALL
3/4" = 1'-0"

DIMENSIONAL NOTES (THIS SHEET ONLY)

1. DIMENSIONS THAT ARE NOT STATED AS "MAXIMUM" OR "MINIMUM" ARE ABSOLUTE.
2. DIMENSIONS ARE NOT VARIABLE UNLESS INDICATED WITH DIMENSIONAL RANGES (i.e. 33"-36").
3. DIMENSIONS ARE VARIABLE WITHIN MINIMUM AND MAXIMUM LIMITATIONS INDICATED (i.e. 48" MAX).
4. DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES.
5. INSIDE FINISH DIMENSIONS FOR SHOWER AND BATHTUBS SHALL BE MEASURED AT THE CENTERPOINT/CENTERLINE OF OPPOSING SIDES.
6. DIMENSIONS ARE MEASURED FROM FINISH SURFACES (NOT FACE OF STUD), UNLESS NOTED OTHERWISE.

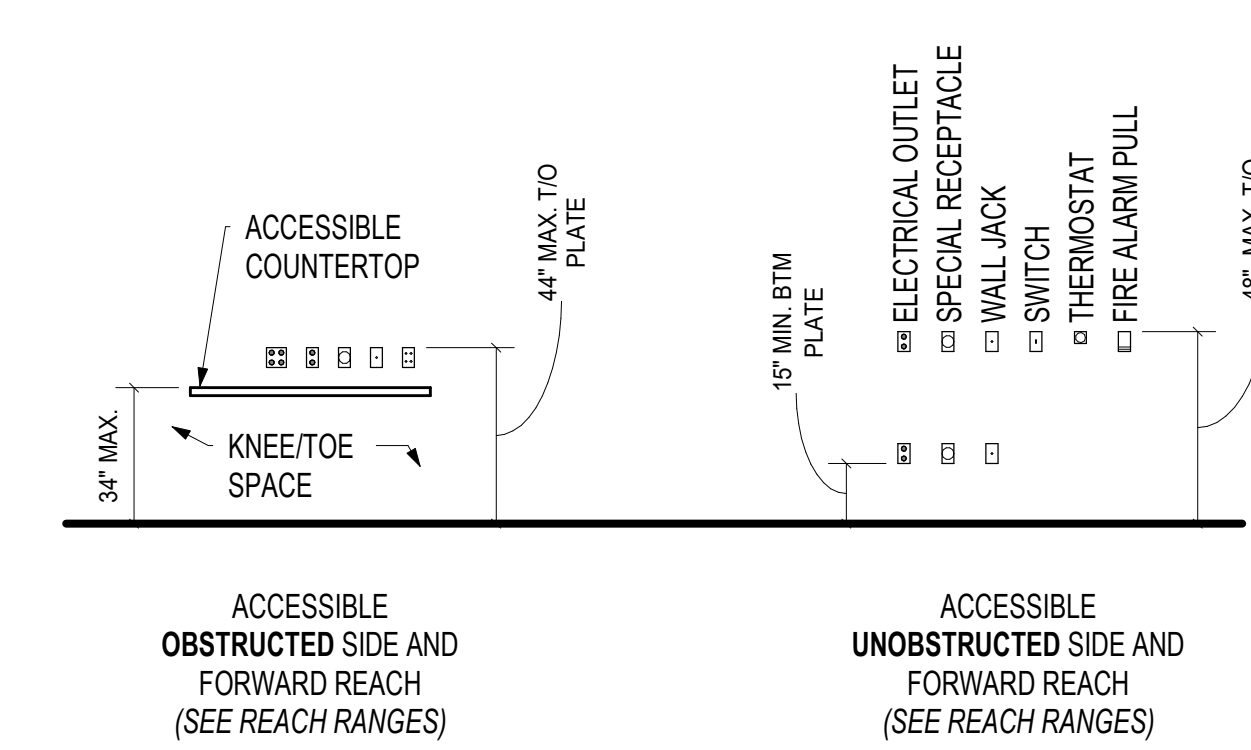
GENERAL NOTES (THIS SHEET ONLY)

1. WHERE CONTROL AREAS ARE INDICATED, OPERABLE PARTS OF ACCESSORIES SHALL BE LOCATED WITHIN THE RANGE INDICATED. OTHER PORTIONS OF THE ACCESSORIES MAY BE LOCATED OUTSIDE AREA. OPERABLE PART IS DEFINED AS THE COMPONENT USED TO WITHDRAW OBJECTS, OR TO ACTIVATE, DEACTIVATE, OR ADJUST THE ELEMENT. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 LBS MAXIMUM.
2. TECHNICAL CRITERIA PROVIDED ON THIS SHEET MEETS THE NORTH CAROLINA BUILDING CODE - ANSI A117.1-2009 ACCESSIBILITY STANDARD FOR PLUMBING ELEMENTS AND FIXTURES INDICATED.
3. ACCESSORIES AND EQUIPMENT THAT DOES NOT COMPLY WITH LIMITS OF PROTRUDING OBJECTS SHALL BE MOUNTED, 1) AS INDICATED WITH CANE DETECTION OR 2) AT ADJUSTED HEIGHTS FOR CODE COMPLIANCE. DRAWINGS SHALL NOT BE SCALED.
4. TECHNICAL CRITERIA INDICATED SHALL NOT BE USED FOR DWELLING UNITS AND SLEEPING UNITS.
5. CHILDREN'S USE IS DEFINED AS SPACES AND ELEMENTS SPECIFICALLY DESIGNED FOR THE USE PRIMARILY BY PEOPLE 12 YEARS OLD AND YOUNGER (I.E. K12 PROJECTS); COORDINATE USE OF CHILDREN'S FACILITIES PER PROJECT AND BY USE.

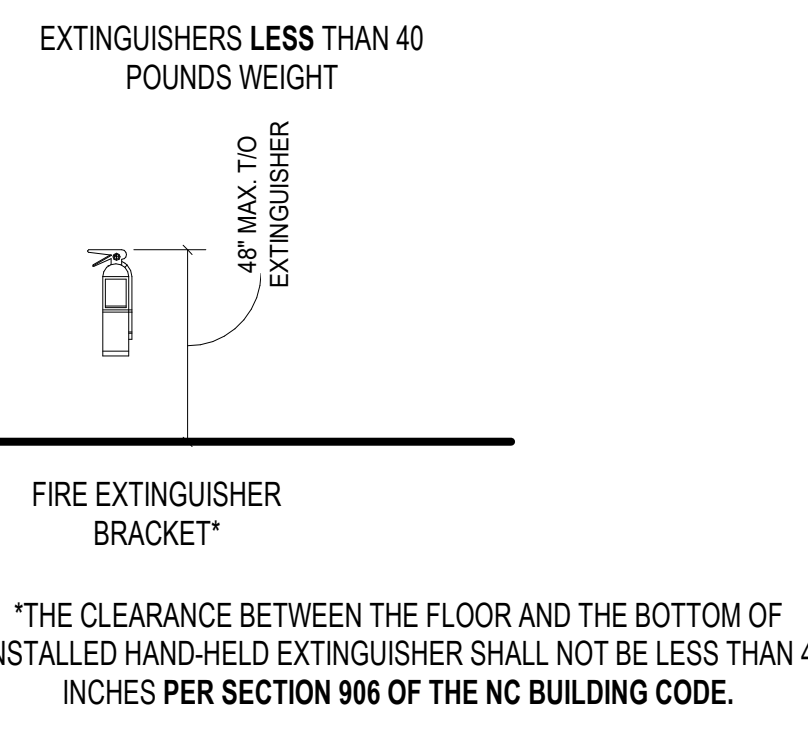


BATHROOM ACCESSORIES MOUNTING HEIGHTS

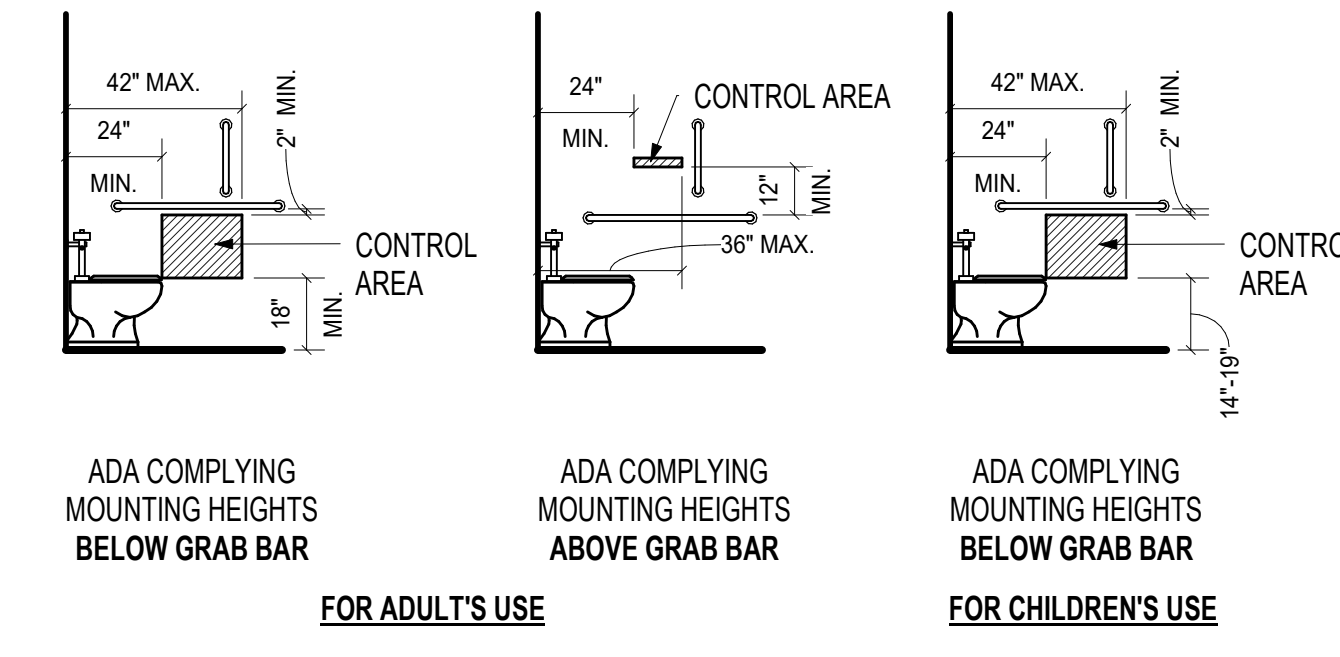
*DIMENSIONS INDICATED ARE FOR UNOBSTRUCTED SIDE AND FORWARD REACH. SEE OBSTRUCTED REACH RANGE DIMENSIONS FOR REQUIRED HEIGHTS AT ALTERNATE SITUATIONS. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR ADDITIONAL ANSI INSTALL REQUIREMENTS.



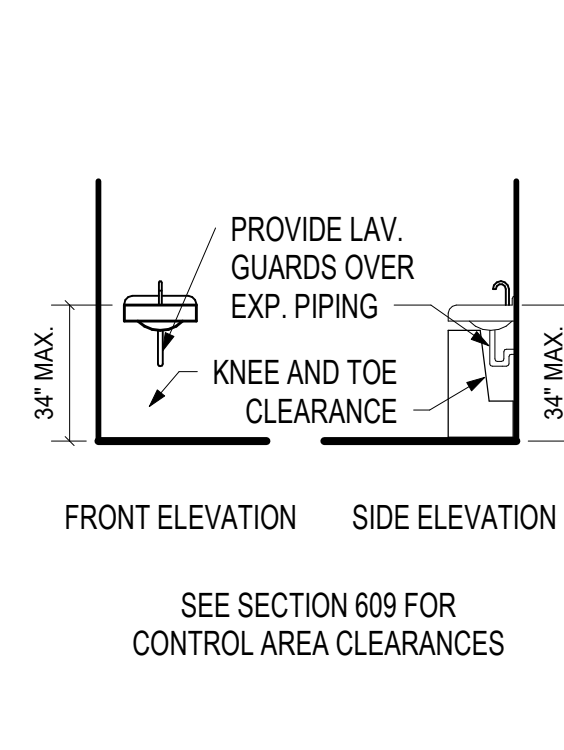
GENERAL WALL DEVICES MOUNTING HEIGHTS



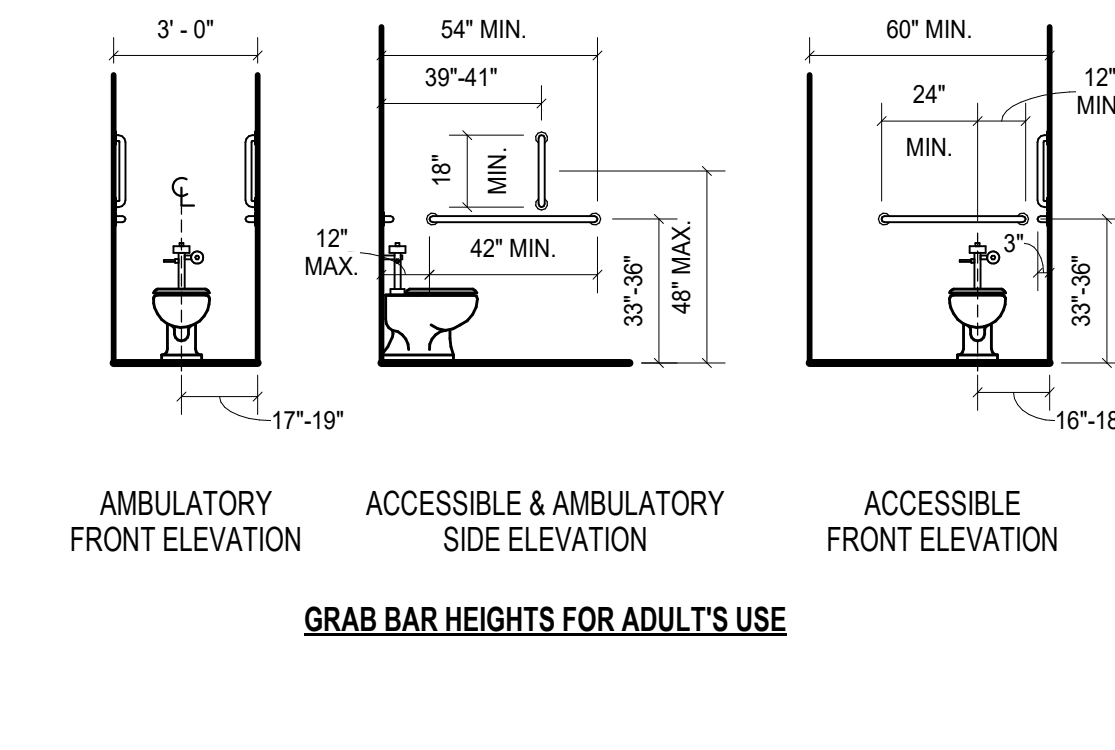
FIRE EXTINGUISHER MOUNTING HEIGHTS



DISPENSER MOUNTING HEIGHTS

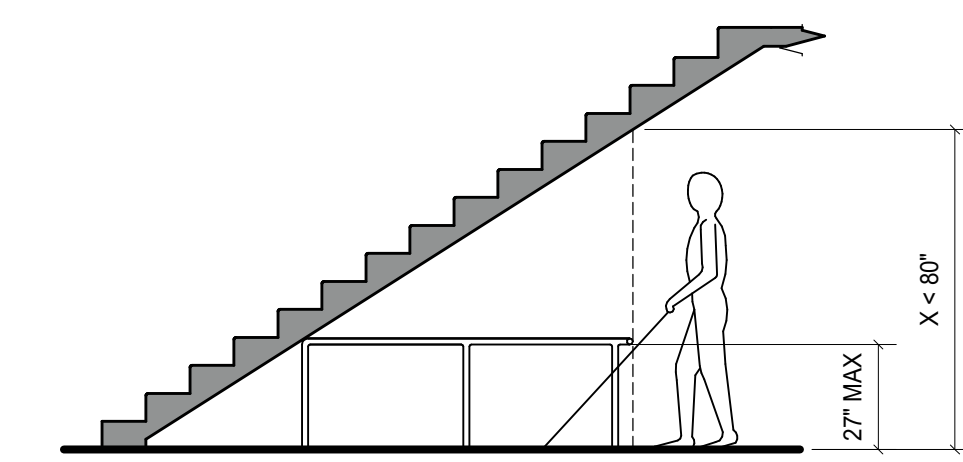


LAVATORY MOUNTING HEIGHTS

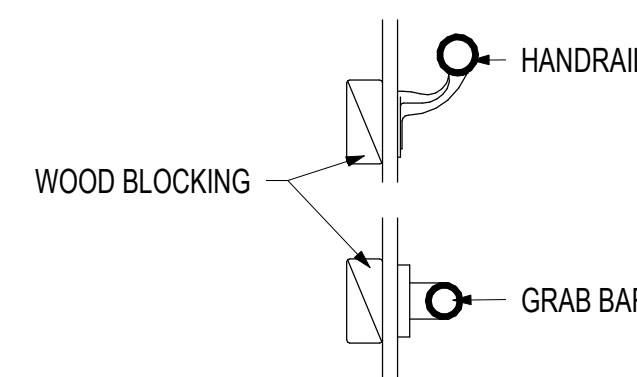


WATER CLOSET & GRAB BAR MNT'G HGTS

CODE REFERENCE



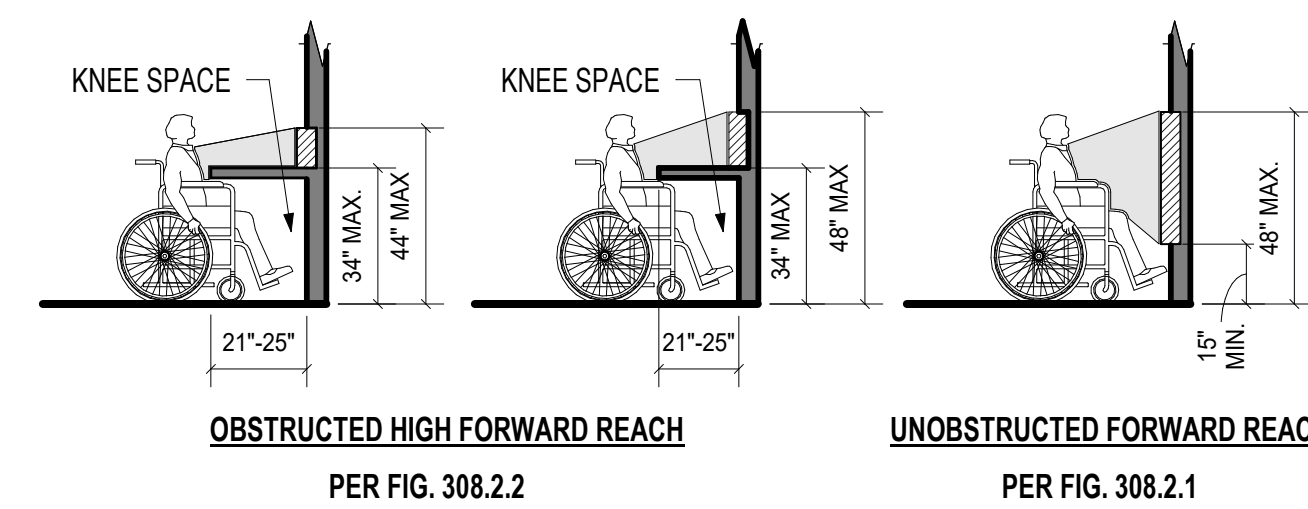
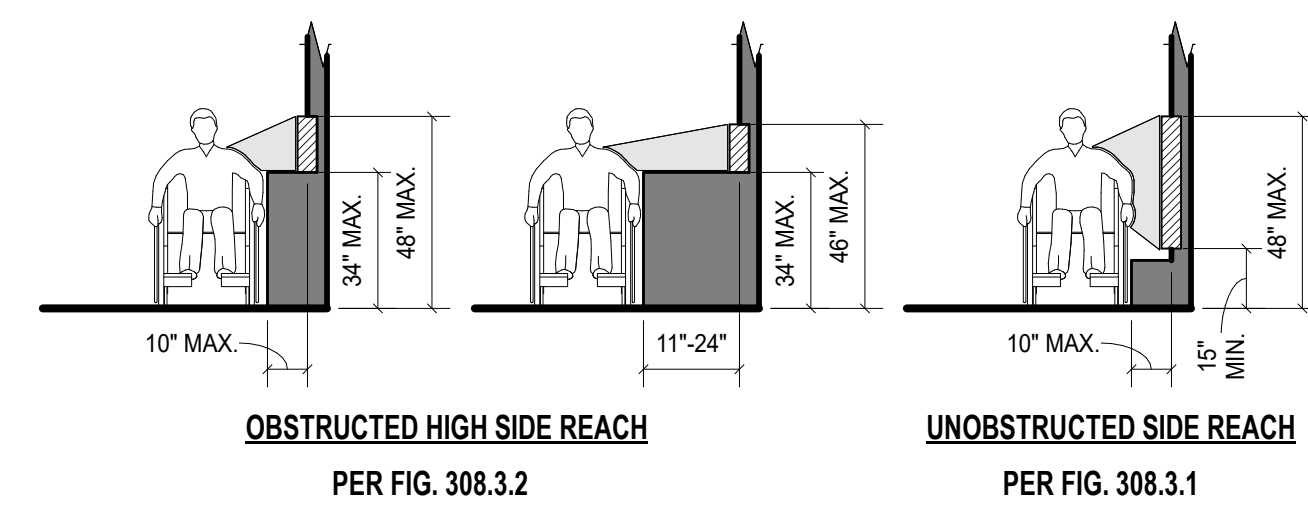
REDUCED VERTICAL CLEARANCE



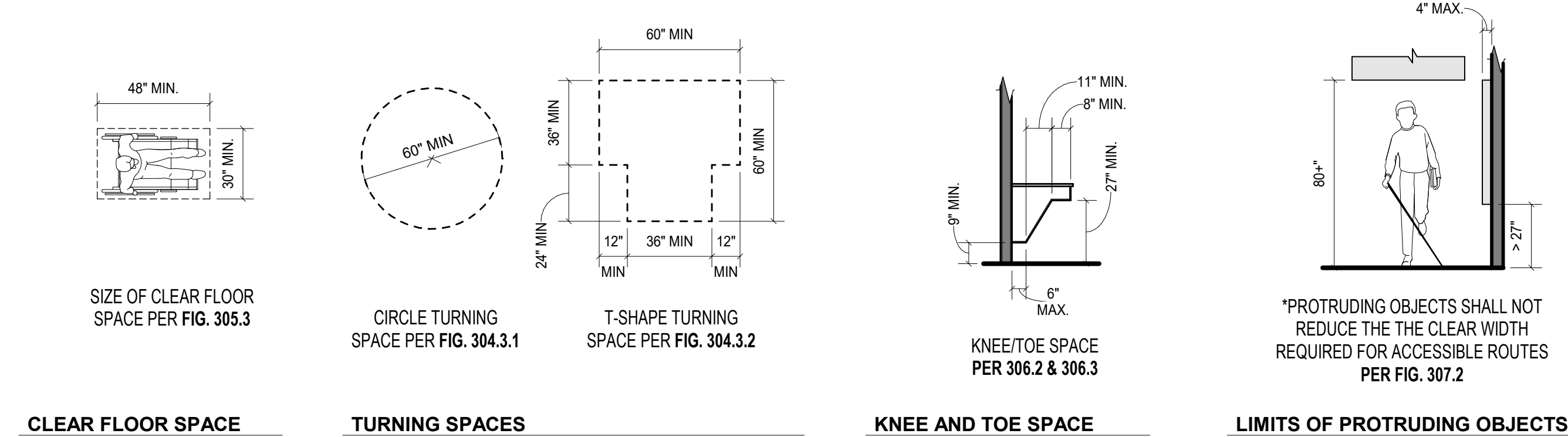
PROVIDE BLOCKING TO ACCOMMODATE THE FOLLOWING LOADS, PER 2018 NCBC, SECTION 1607.7:

1. HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST A LOAD OF 50 LBS. PER LINEAR FOOT APPLIED IN ANY DIRECTION AT THE TOP. HANDRAILS AND GUARDS SHALL ALSO BE ABLE TO RESIST A SINGLE CONCENTRATED LOAD OF 200 LBS., APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP. THE CONCENTRATED LOAD IS NOT INTENDED TO ACT CONCURRENTLY WITH THE OTHER LOAD REQUIREMENTS.
2. GRAB BARS, SHOWER SEATS, AND DRESSING ROOM BENCH SEATS SHALL BE DESIGNED TO RESIST A SINGLE CONCENTRATED LOAD OF 250 LBS APPLIED IN ANY DIRECTION AT ANY POINT.

BLOCKING REQUIREMENTS



REACH RANGES



BID SET

ISSUE DATE: 12/01/2022

REVISIONS

NO.	DESCRIPTION	DATE
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ABSS
EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

PROJECT NUMBER 2212

SHEET TITLE
2D STANDARD AND ADA
MOUNTING HEIGHTS
AND DIMENSIONS
SHEET NUMBER

A1001

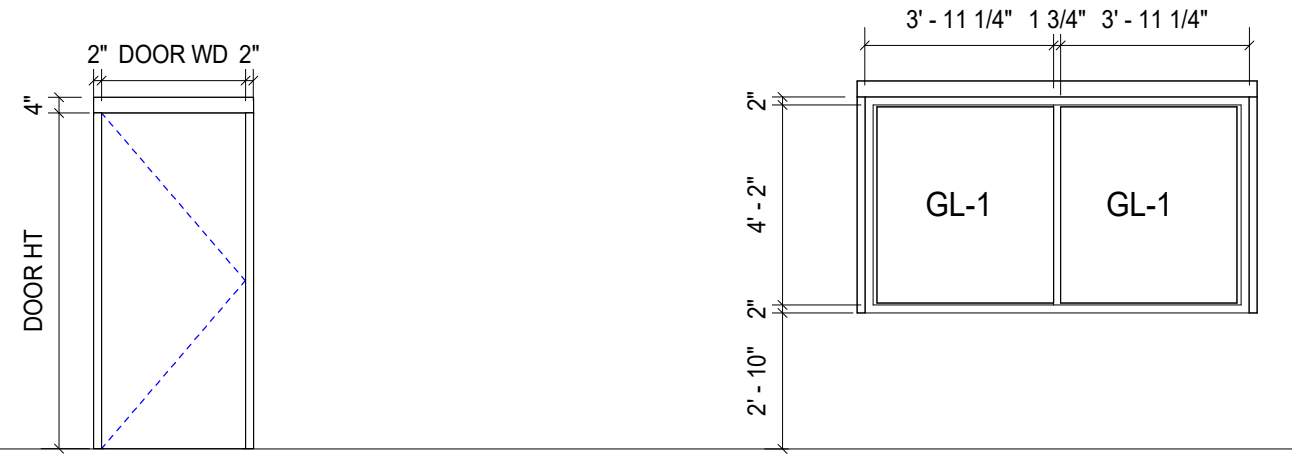
DOOR SCHEDULE																	
MARK	DOOR TYPE	WALL TYPE	DIMENSIONS		DOOR			HARDWARE	LABEL	GLASS		LOUVER		COMMENTS	SIGNAGE		
			WIDTH	HEIGHT	HEAD	JAMB	SILL			TYPE	WIDTH	HEIGHT	ROOM #		SIGN TO READ	SEEN	TYPE
FIRST FLOOR																	
100	FRP-1	MAS	3'-0"	7'-0"	1A	1B	1C	1									
101	HM-1	CMU	3'-0"	7'-0"	2A	2B	2C	3									
102	FRP-1	MAS	3'-0"	7'-0"	1A	1B	1C	2									
SECOND FLOOR																	
103	FRP-1		3'-0"	7'-0"	3A	3B	3C	1									

GENERAL DOOR NOTES

- THE INTENT OF THE HEAD/JAMB/SILL DETAILS SHOWN ON THIS SHEET ARE TO SHOW SIZE, CONFIGURATION, AND TYPES OF DOORS AND FRAMES PLUS CONNECTIONS TO ADJACENT STRUCTURE, ADJACENT MATERIALS (DRYWALL, CEILINGS, FLOOR CONDITIONS, LINTELS, INSULATION, ETC.) MAY VARY. VERIFY EACH DOOR AND FRAME BY REFERRING TO PLANS, ELEVATIONS, AND DETAILS. FIELD VERIFY ROUGH OPENINGS. COORDINATE SHOP DRAWINGS FOR FRAME SIZES.
- CAULK ALL FRAME EDGES (INTERIOR AND EXTERIOR) AT ADJACENT SURFACES.
- LOCATE ALL INTERIOR DOOR FRAMES THROAT RETURN FOUR INCHES (8") TO THE CLOSEST ADJACENT PERPENDICULAR CMU PARTITION, U.O.N.

GLAZING TYPES:

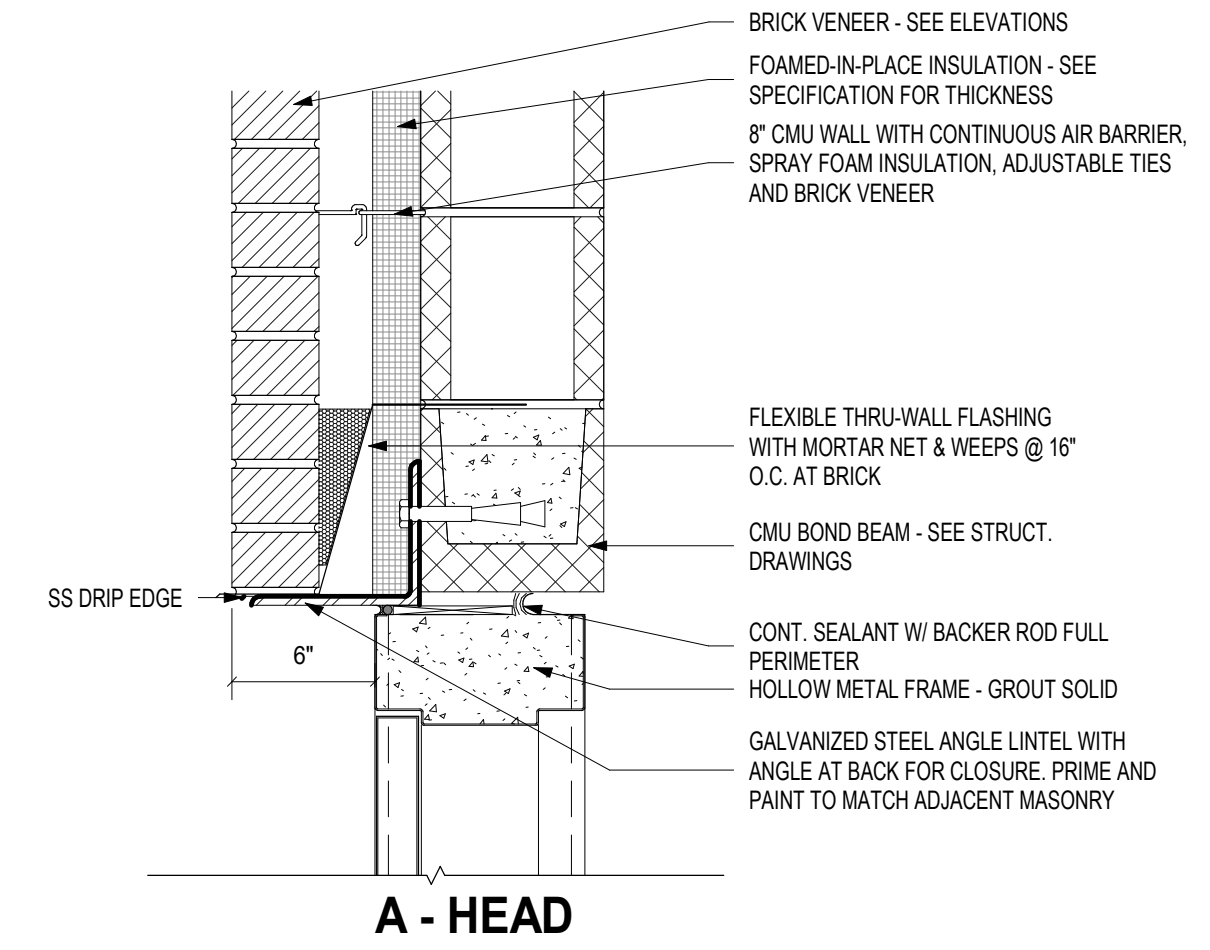
GL-1 3/4" CLEAR INSULATED GLASS
 (NOTE: SEE SPECIFICATION SECTION 085653 FOR FURTHER DESCRIPTION OF GLAZING TYPES.)



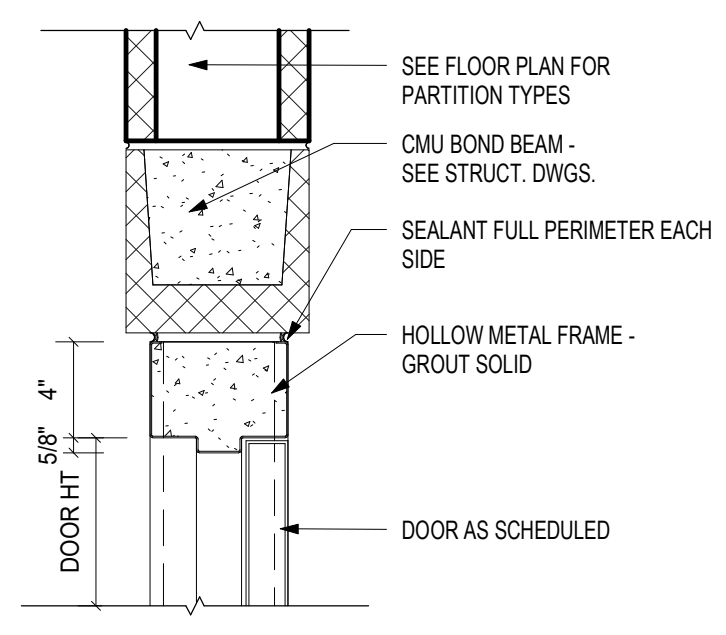
FRP-1 FIBER REINFORCED POLYMER DOOR SINGLE LEAF IN HOLLOW METAL FRAME
A ALUMINUM SLIDING TRANSACTION WINDOW IN ALUMINUM FRAME

HM-1 HOLLOW METAL DOOR SINGLE LEAF IN HOLLOW METAL FRAME

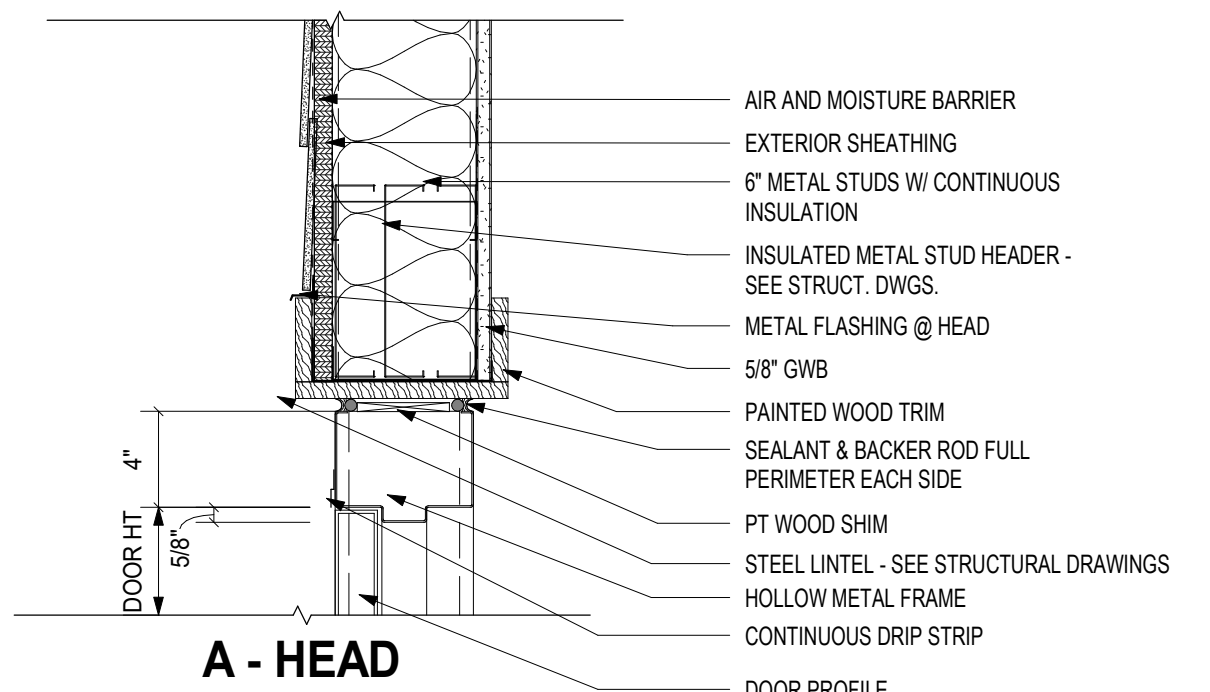
DOOR & WINDOW TYPES



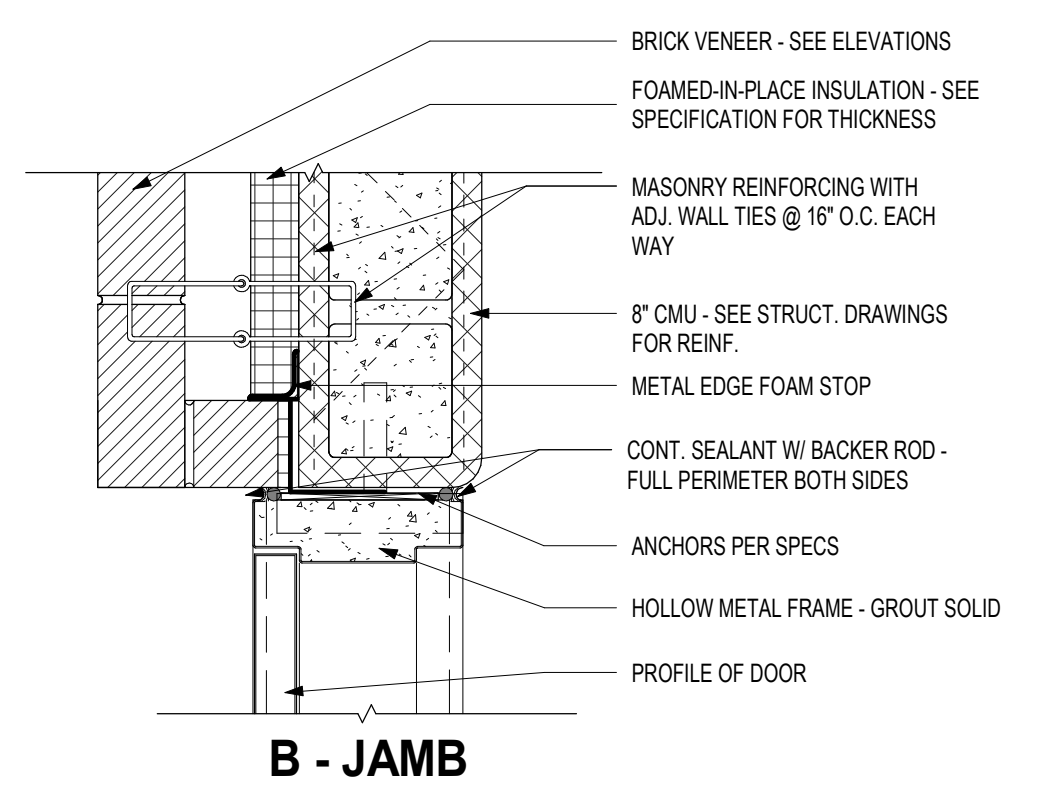
A - HEAD



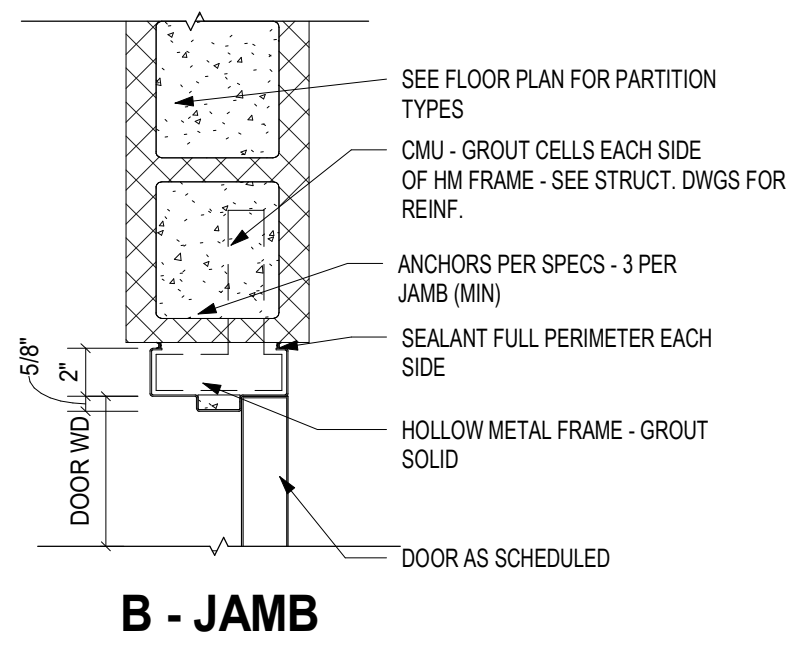
A - HEAD



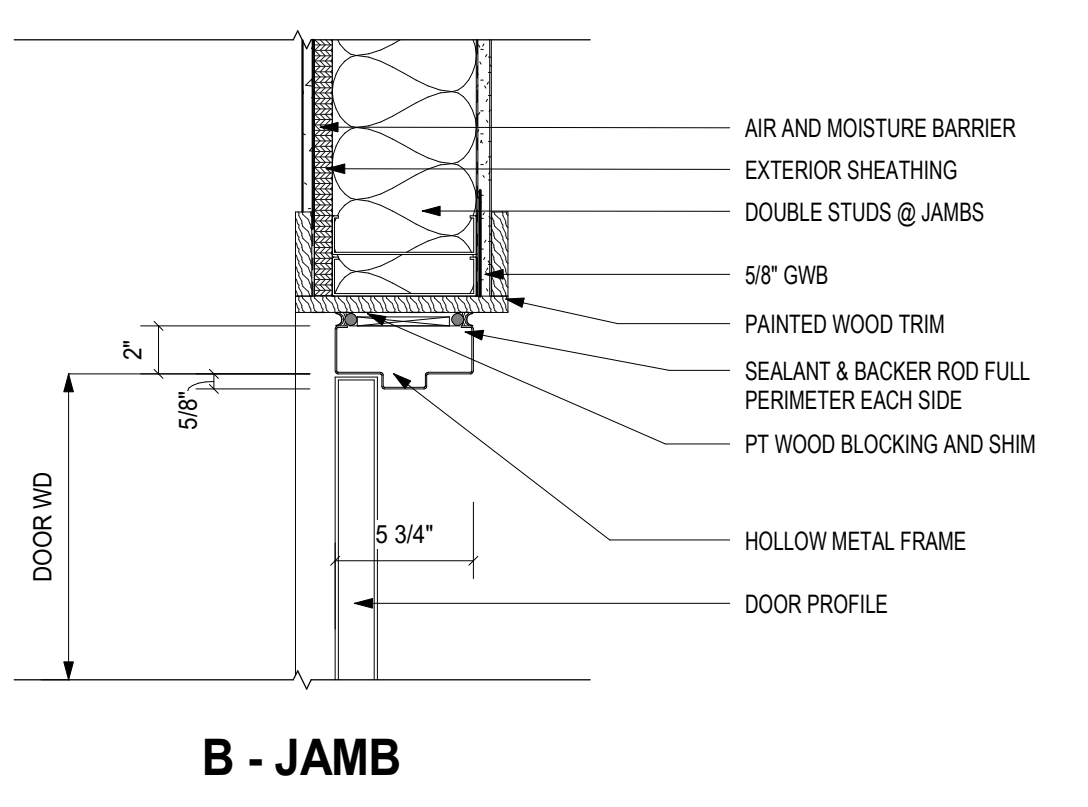
A - HEAD



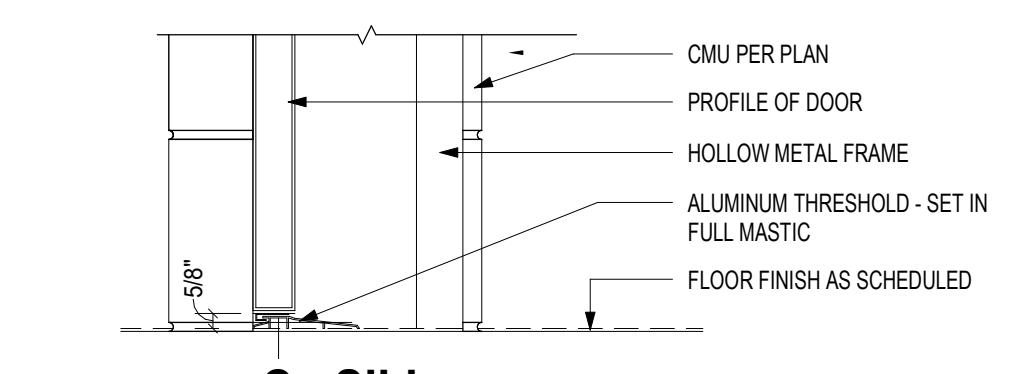
B - JAMB



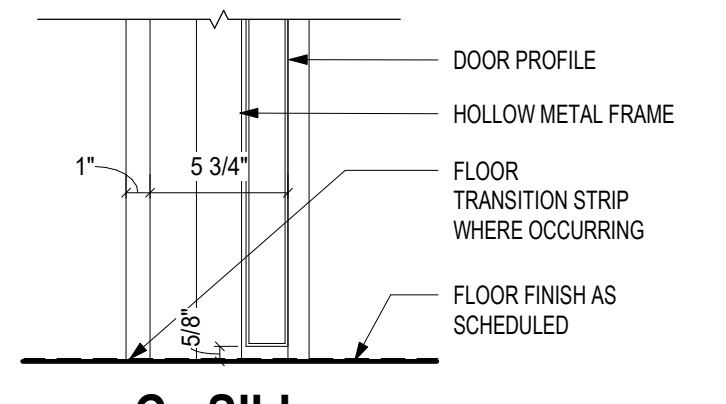
B - JAMB



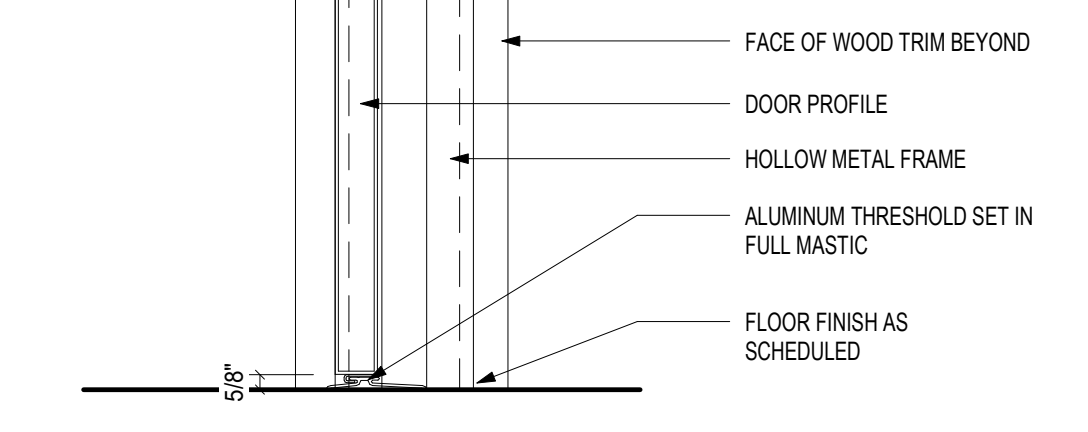
B - JAMB



C - SILL



C - SILL

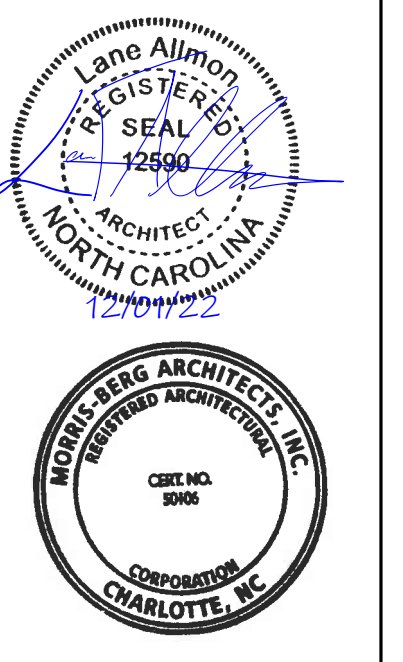


C - SILL

1 EXT. HM FRAME @ CMU W/ CAV & VENEER
 1 1/2" = 1'-0"

2 INT DOOR IN HM FRAME (BUTT) @ CMU
 1 1/2" = 1'-0"

3 EXT. DOOR W/ HM FRAME IN STUD
 1 1/2" = 1'-0"





BID SET

ISSUE DATE: 12/01/2022

REVISIONS		
NO.	DESCRIPTION	DATE
1	Revision 1	03/30/23

ABSS EASTERN HS PRESS BOX/CONCESSIONS
 MEBANE, NC

FINISH SCHEDULE							
ROOM		FLOOR	BASE	WALL	CEILING	WINDOW TREATMENT	REMARKS
NUMBER	NAME						
FIRST FLOOR							
100	CONCESSION	RF-1	RFB-1	P-1	ACT-1		
101	STOR.	RF-1	RFB-1	P-1	ACT-1		
102	UNISEX	RF-1	RFB-1	P1	GB-1		
SECOND FLOOR							
200	PRESS BOX	LVT-1	RB-1	P-1	ACT-1		

FINISH DESCRIPTION	
FLOOR	
LVT-1	LUXURY VINYL TILE
RF-1	RESINOUS FLOORING
BASE	
RFB-1	INTEGRAL RESINOUS BASE
RB-1	RUBBER - TYPE TS (TAUPE)
WALL	
P-1	WALL PAINT (CREAM)
CEILING	
AC-1	2X2 LAY-IN ACOUSTICAL
AC-2	2X2 LAY-IN ACOUSTICAL
WINDOW TREATMENT	
BL	HORIZONTAL BLINDS - SEE SPEC SECTION 122113
RS-1	MECHANICAL ROLLER SHADE- SEE SPEC SECTION 22413
RS-2	MANUAL ROLLER SHADE- SEE SPEC SECTION 122413
FINISH NOTES	
<ol style="list-style-type: none"> ALL FINISHES ARE TO COMPLY WITH THE 2018 NORTH CAROLINA STATE BUILDING CODE CHAPTER 9. ALL FINISH MATERIALS TO MEET OR EXCEED THE FLAME SPREAD REQUIREMENTS OF TABLE 803.11 OF THE 2018 NORTH CAROLINA STATE BUILDING CODE. PROVIDE APPROPRIATE TRANSITION STRIP AT ALL DOORS AND LOCATIONS WHERE FLOOR FINISH MATERIALS CHANGE. FIELD VERIFY ALL ACCENT WALL LOCATIONS (START AND STOP POINTS) WITH ARCHITECT BEFORE PAINTING. 	
FLOOR FINISHES	
LUXURY VINYL TILE (LVT) 12" X 12" - SPEC SECTION 096519	
	LVT-1: FIELD COLOR (WHITE)
RESINOUS FLOORING (RF) - SPEC SECTION 096723	
	RF-1: RESINOUS FLOORING (NEUTRAL FLAKE)

Morris Berg
ARCHITECTS
101 WEST WOODRIDGE STREET SUITE 100 CHARLOTTE, NC 28203
(704) 382-1000 FAX (704) 382-1002

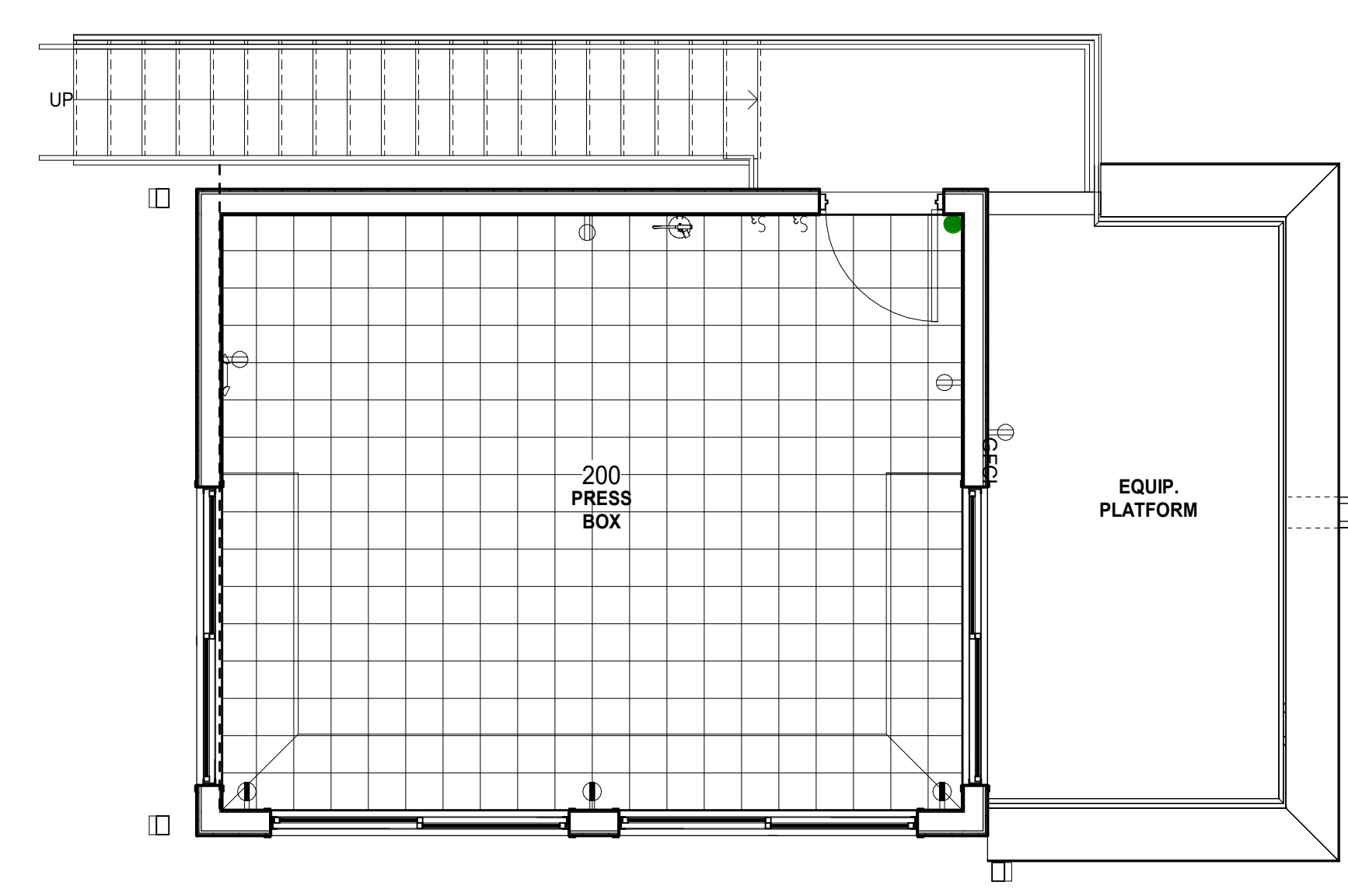


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ISSUE DATE: 12/01/2022

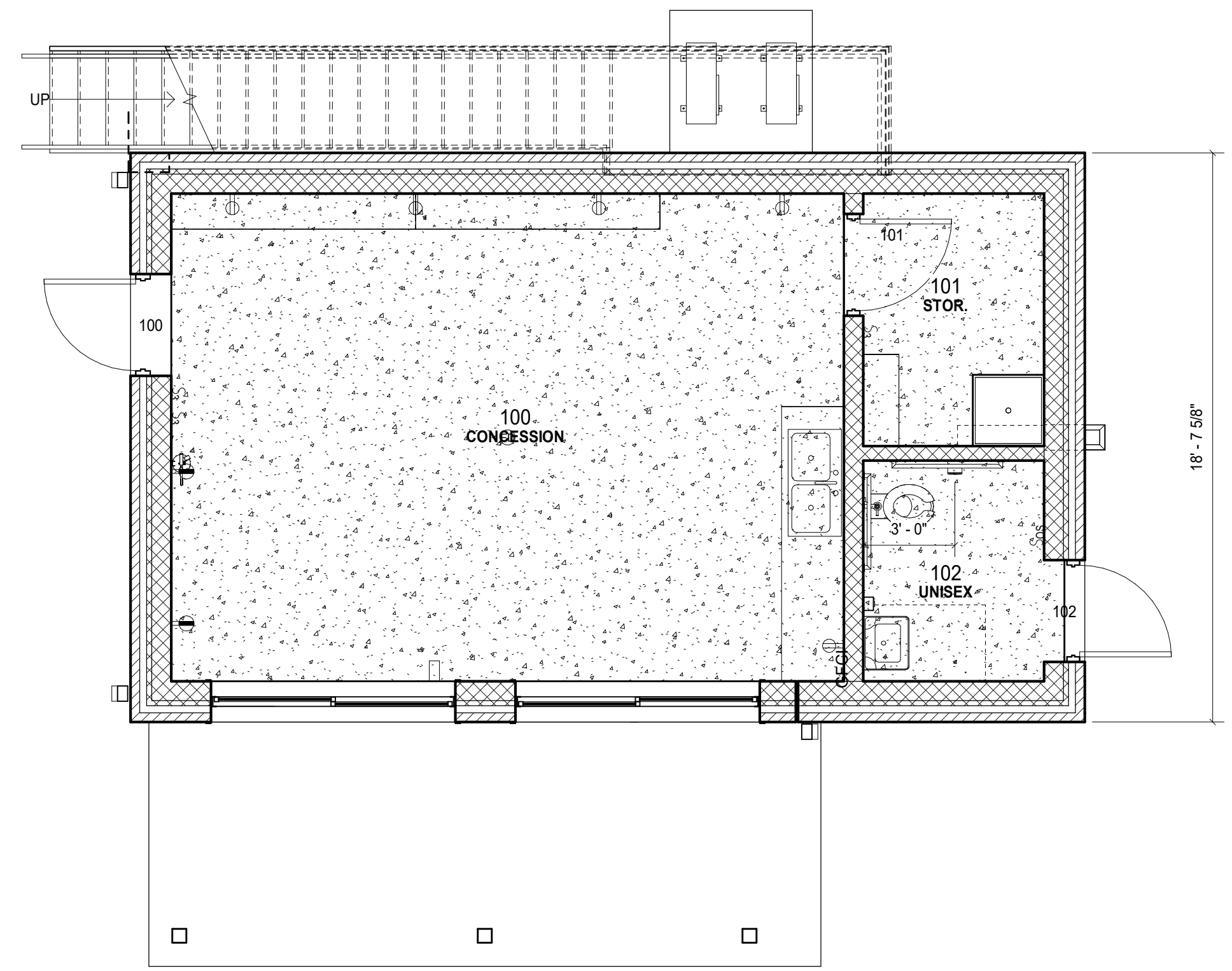
REVISIONS		
NO.	DESCRIPTION	DATE

ABSS
EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

PROJECT NUMBER 2212
SHEET TITLE FINISH SCHEDULE & PLANS
SHEET NUMBER **A1300**



2 SECOND FLOOR PLAN - FINISH PLAN
1/4" = 1'-0"



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

WOOD TRUSS NOTES

- PRE-ENGINEERED WOOD ROOF TRUSSES AND TRUSS LATERAL BRACING ARE TO BE DESIGNED BY THE MANUFACTURER FOR THE LOADS GIVEN IN CONFORMANCE WITH ANSIP1 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS CONSTRUCTION" AND ALL CODE REQUIRED LOADING CONDITIONS. REFER TO THE ARCHITECTURAL DRAWINGS OR ALL TRUSS CONFIGURATIONS AND TRUSS CONFIGURATIONS. SHOP DRAWINGS SHALL INCLUDE A TRUSS LAYOUT DRAWING.
- WOOD ROOF TRUSS SHOP DRAWINGS SHALL INDICATE BOTH TEMPORARY AND PERMANENT LATERAL BRACING. IN ACCORDANCE WITH TPI HB "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING & BRACING OF METAL PLATE CONNECTED TRUSSES" AND TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED WOOD TRUSSES". LATERAL BRACING LOADS IMPOSED ON TO THE BUILDING STRUCTURE SHALL BE CLEARLY INDICATED ON SHOP DRAWINGS. ALL SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A NC REGISTERED ENGINEER SUBMITTED TO THE ARCHITECT FOR APPROVAL.
- ALL TRUSS JOISTS SHALL BE DESIGNED, FABRICATED, ERRECTED AND INSTALLED PER THE MANUFACTURER'S REQUIREMENTS; PERMANENT LATERAL BRACING AND TEMPORARY BRACING SHALL BE PROVIDED DURING CONSTRUCTION PER TRUSS JOIST RECOMMENDATIONS.
- PRE-ENGINEERED WOOD TRUSS ENGINEER SHALL CONSIDER ALL APPLICABLE DESIGN LOAD CASES AS REQUIRED BY THE IBC CODE.
- PROVIDE HURRICANE CLIPS AT ROOF TRUSS BEARING POINTS WHERE UPLIFT FORCES ARE INDICATED ON THE TRUSS SHOP DRAWINGS. THE FOLLOWING TRUSS CONNECTIONS BY SIMPSON OR APPROVED EQUAL ARE REQUIRED:

UPLIFT FORCE	CONNECTION TYPE
1. 20 - 400 LBS	ONE - H1
2. 401 - 800 LBS	TWO - H1
3. 801 - 1265 LBS	TWO - H2.5A
4. 1266 - 1785 LBS	ONE - LGT2
5. 1786 - 3330 LBS	ONE - MGT
6. 3331 - 4200 LBS	ONE - HGT2
- ALL ROOF SHEATHING SHALL BE LAID CONTINUOUSLY BETWEEN THE EDGES OF THE ROOF. NO INTERRUPTIONS ARE PERMITTED AT CAP TRUSSES OR AT ROOF OVERBUILDS.
- ROOF TRUSSES SHALL BE @ 24" O.C.

CONCRETE NOTES

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301, ACI 318 AND ACI 302.
- CEMENT SHALL COMPLY WITH ASTM C150, TYPE I OR III.
- REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM A615 GRADE 60. ALL REINFORCEMENT SPLICES SHALL BE A MINIMUM OF 40 BAR DIAMETERS.
- CAST IN PLACE CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH F_c AS FOLLOWS:
 - SLAB-ON-GRADE AND FOOTINGS = 3000 PSI.
 - FORMED CONCRETE EXPOSED TO WEATHER OR EARTH = 4000 PSI.
 - FORMED CONCRETE NOT EXPOSED TO WEATHER = 3000 PSI.
- MINIMUM CONCRETE COVER BETWEEN FACE OF REINFORCING BAR AND FACE OF CONCRETE SHALL BE AS FOLLOWS:
 - CONCRETE CAST AGAINST EARTH = 3"
 - FORMED CONCRETE EXPOSED TO WEATHER OR EARTH = 2"
 - FORMED CONCRETE NOT EXPOSED TO WEATHER = 3/4"
- ALL CONCRETE EXPOSED TO WEATHER SHALL HAVE A MINIMUM AIR ENTRAINMENT OF 6% \pm 1.5% PER ACI-318 4.2.1.
- GROUT SHALL BE NON-SHRINKABLE, NON-METALLIC CONFORMING TO ASTM C1107, AND SHALL HAVE A SPECIFIED COMPRESSIVE STRENGTH AT 28 DAYS OF 5,000 PSI. PREROUTING OF BASE PLATES SHALL NOT BE PERMITTED.
- MATERIALS: (fc BASED ON 28 DAY UNLESS NOTED)

MASONRY NOTES

- ALL HOLLOW CONCRETE MASONRY UNITS SHALL BE LIGHT WEIGHT AND CONFORM TO ASTM C90-93 TYPE I HAVING A PRISM STRENGTH $F_m = 1500$ PSI.
- GALVANIZED HORIZONTAL JOINT REINFORCEMENT SHALL BE PLACED IMMEDIATELY ABOVE AND BELOW ALL OPENINGS AND AT 18" O.C. VERTICALLY. REINFORCEMENT SHALL BE LADDER TYPE, AND WHERE SPLICES, SHALL LAP A MINIMUM OF 6". REINFORCEMENT SHALL CONFORM TO ASTM A-82 AND ASTM A153, CLASS B2, HOT DIP GALVANIZED (1.5 OZ./SF).
- ALL VERTICAL WALL REINFORCEMENT INTERRUPTED BY WALL OPENINGS SHALL BE PLACED IMMEDIATELY ADJACENT TO EACH OF THE OPENINGS.
- MASONRY MORTAR SHALL BE ASTM C270 TYPE N PCL FOR ABOVE GRADE WALLS, TYPE S FOR BELOW GRADE WALLS.
- ALL MASONRY CELLS CONTAINING BOLTS OR REINFORCEMENT SHALL BE FILLED WITH COARSE GROUT PER ASTM C476, AGGREGATE PER ASTM C90.
- PROVIDE TWO (2) COURSES OF SOLID CMU PER ASTM C 84 OR GROUT-FILLED CMU BENEATH ALL BEAM AND HEADER BEARING POINTS.
- PROVIDE DOWELS WITH STANDARD BAR HOOK IN FOOTING TO MATCH DIAMETER AND SPACING OF VERTICAL REINFORCEMENT. MINIMUM SPLICE LENGTH = 24".
- TIE MATERIAL SHALL CONFORM TO ASTM A36 AND ASTM A153, CLASS B2, HOT DIP GALVANIZED (1.5 OZ./SF). STEEL WIRE SHALL CONFORM TO ASTM A62.
- SCREW FASTENERS SHALL BE SELF-DRILLING/SELF-TAPPING WITH MILD SHANK AND HARDENED TIP AND AN ORGANIC-POLYMER COATING CONFORMING TO ASTM A449.
- PROVIDE #5 CORNER BARS AT ALL BOND BEAM CORNERS TO LAP A MINIMUM OF 40 BAR DIAMETERS.
- ALL MASONRY LINTELS SHALL HAVE A MINIMUM BEARING LENGTH OF 8" AND SHALL BE PROPORTIONED AS FOLLOWS FOR EACH 4" OF THICKNESS FOR NON-LOAD-BEARING WALLS: $F_c = 3000$ PSI.

OPENING THICKNESS	LINTEL (8" DEEP)
UP TO 4'-0"	W/1 #4 T&B
4'-1" TO 5'-0"	W/1 #5 T&B
5'-1" TO 8'-0"	W/1 #6 T&B
- ALL MASONRY WORK SHALL BE IN CONFORMANCE WITH THE "SPECIFICATIONS FOR MASONRY STRUCTURES" ACI 530.1-02/ASCE 6-02/MS 602-02.
- PROVIDE ADJUSTABLE MASONRY ANCHORS TO STEEL BEAMS AND COLUMNS WHICH ARE EMBEDDED IN MASONRY AT 2'-8" O.C. MAXIMUM.
- ALL CMU GROUT SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
- PROVIDE CRACK CONTROL JOINTS AT ALL WALL RETURNS AND JAMBS OF OPENINGS AND AT A MAXIMUM SPACING OF 25-FEET ON CENTER.
- SPECIAL INSPECTIONS NOT REQUIRED BY CODE PER SECTION 1705.1.3.

STRUCTURAL COLD-FORMED STEEL

- ALL WORK SHALL CONFORM TO THE STANDARDS OF THE "AMERICAN IRON AND STEEL INSTITUTE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBER" - LATEST EDITION.
- ALL WELDING SHALL BE IN ACCORDANCE WITH THE "AMERICAN WELDING SOCIETY D 1.1, STRUCTURAL WELDING CODE FOR SHEET STEEL", MIN. 1/4 GAUGE MEMBERS SHALL BE USED AT WELDED CONNECTIONS. ALL WELDS SHALL BE TOUCHED UP WITH ZINC RICH PAINT.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL SIGNED AND SEALED BY THE CONTRACTOR'S NC REGISTERED PROFESSIONAL ENGINEER TO THE ARCHITECT DEPICTING:
 - CROSS-SECTIONS, PLANS AND ELEVATIONS.
 - CONNECTION DETAILS SHOWING REQUIRED SCREWS/WELDS.
 - FLOOR TO FLOOR ELEVATIONS.
 - DIMENSIONS.
 - BRIDGING LOCATIONS.
- ALL MATERIALS SHALL BE GALVANIZED AND COLD FORMED OF STEEL CONFORMING TO ASTM A570 GRADE D FOR JOISTS, ASTM 446 FOR TRACKS AND STUDS. MINIMUM 18 GAUGE (NO EXCEPTIONS.)
- ALL AXIALLY LOADED STUDS SHALL HAVE FULL BEARING INSIDE TRACK WEB PRIOR TO ATTACHMENT. NO SPLICES IN LOADED STUDS ARE PERMITTED.
- WALL STUD BRACING SHALL BE INSTALLED AT THIRD POINTS IN ALL BEARING PARTITIONS; AT MID-HEIGHT IN NON-LOAD BEARING PARTITIONS.
- JOISTS SHALL BE LOCATED DIRECTLY OVER BEARING STUDS, OR A LOAD DISTRIBUTION MEMBER SHALL BE PROVIDED AT THE TOP TRACK.
- DOUBLE STUDS AND WEB STIFFENERS SHALL BE PROVIDED AT ALL JOIST HEADER BEARING POINTS.
- END BLOCKING SHALL BE PROVIDED WHERE JOIST ENDS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.
- UNIFORM AND LEVEL JOIST BEARING SHALL BE PROVIDED IN ALL CASES.
- ALL WALL AND ROOF SHEATHING SHALL BE MIN. 7/16" APA STRUCTURAL I RATED AND FASTENED W/8d COMMON NAILS AT ROOF OR #6 SELF-TAPPING SCREWS AT LT. GA. STUDS @ 6" O.C. ALONG EDGES AND 8" O.C. ALONG INTERMEDIATE SUPPORTS. PROVIDE BLOCKING AT ALL JOISTS.

STRUCTURAL STEEL

- ALL STRUCTURAL STEEL SHALL BE ASTM FABRICATED AND ERRECTED IN ACCORDANCE WITH AISC "STEEL CONSTRUCTION MANUAL" WITH A MINIMUM YIELD STRENGTH AS FOLLOWS:
 - W SHAPES: $F_y = 50$ ksi, PER ASTM A 992.
 - PLATES, ANGLES AND CHANNELS: $F_y = 36$ ksi PER ASTM A36.
- ALL STEEL PIPE COLUMNS SHALL CONFORM TO ASTM A53, GRADE B, $F_y = 35$ ksi, STANDARD SCHEDULE 40 PIPE TO BE USED UNLESS NOTED OTHERWISE.
- ALL ANCHOR RODS SHALL BE ASTM F1554 GRADE 36.
- ALL HIGH STRENGTH BOLTS SHALL BE ASTM A325N.
- ALL HSS SQUARE AND RECTANGULAR SHAPES SHALL BE ASTM A500 GRADE B, $F_y = 46$ ksi.
- WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" AWS D1.1-2006. USE 70 KSI, LOW-HYDROGEN ELECTRODES.
- ALL STEEL LINTELS SHALL HAVE A MINIMUM OF 6" BEARING AND SHALL BE PROPORTIONED AS FOLLOWS FOR EACH 4" OF WALL WIDTH.

OPENING SIZE	LINTEL
UP TO 4'-0"	L 4 x 3-1/2 x 1/4
4'-1" TO 5'-0"	L 4 x 3-1/2 x 5/16
5'-1" TO 6'-0"	L 5 x 3-1/2 x 5/16
6'-1" TO 8'-0"	L 6 x 3-1/2 x 3/8
- CONTRACTOR SHALL DESIGN AND ERECT SHORING AND/OR BRACING OF EXISTING WALLS AS REQUIRED DURING INSTALLATION OF LINTELS. DESIGN AND ERECTION OF SHORING AND/OR BRACING SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- NO OPENINGS IN BEAMS OR COLUMNS ARE PERMITTED WITHOUT STRUCTURAL ENGINEER'S APPROVAL.
- SPLICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AS TO LOCATION, TYPE OF SPLICE AND CONNECTION TO BE MADE.
- ALL MISCELLANEOUS STEEL CONNECTIONS SHALL BE WELDED ALL AROUND WITH ONE-QUARTER-INCH FILLET WELD UNLESS OTHERWISE NOTED, EXCEPT FOR SLOTTED CONNECTIONS.
- PROVIDE A MINIMUM BEARING LENGTH OF 6" FOR ALL BEAMS SUPPORTED ON MASONRY.
- ALL WORK SHALL COMPLY WITH THE AISC CODE "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" EXCEPT THAT PARAGRAPH 4.2.1 SHALL BE DELETED.

STRUCTURAL DESIGN:

DESIGN LOADS:
 Importance Factors: Wind (I) $w = 1.0$
 Snow (I) $s = 1.0$
 Seismic (I) $s = 1.0$

Live Loads:
 Roof: 20 psf
 Mezzanine: psf
 First Floor: 100 psf
 Second Floor: 100 psf
 Observation Floor: 100 psf

Ground Snow Load: 15 psf
 Wind Load: Basic Wind Speed: 115 mph (ASCE 7-10)
 Exposure Category: B

SEISMIC DESIGN CATEGORY: A B C D

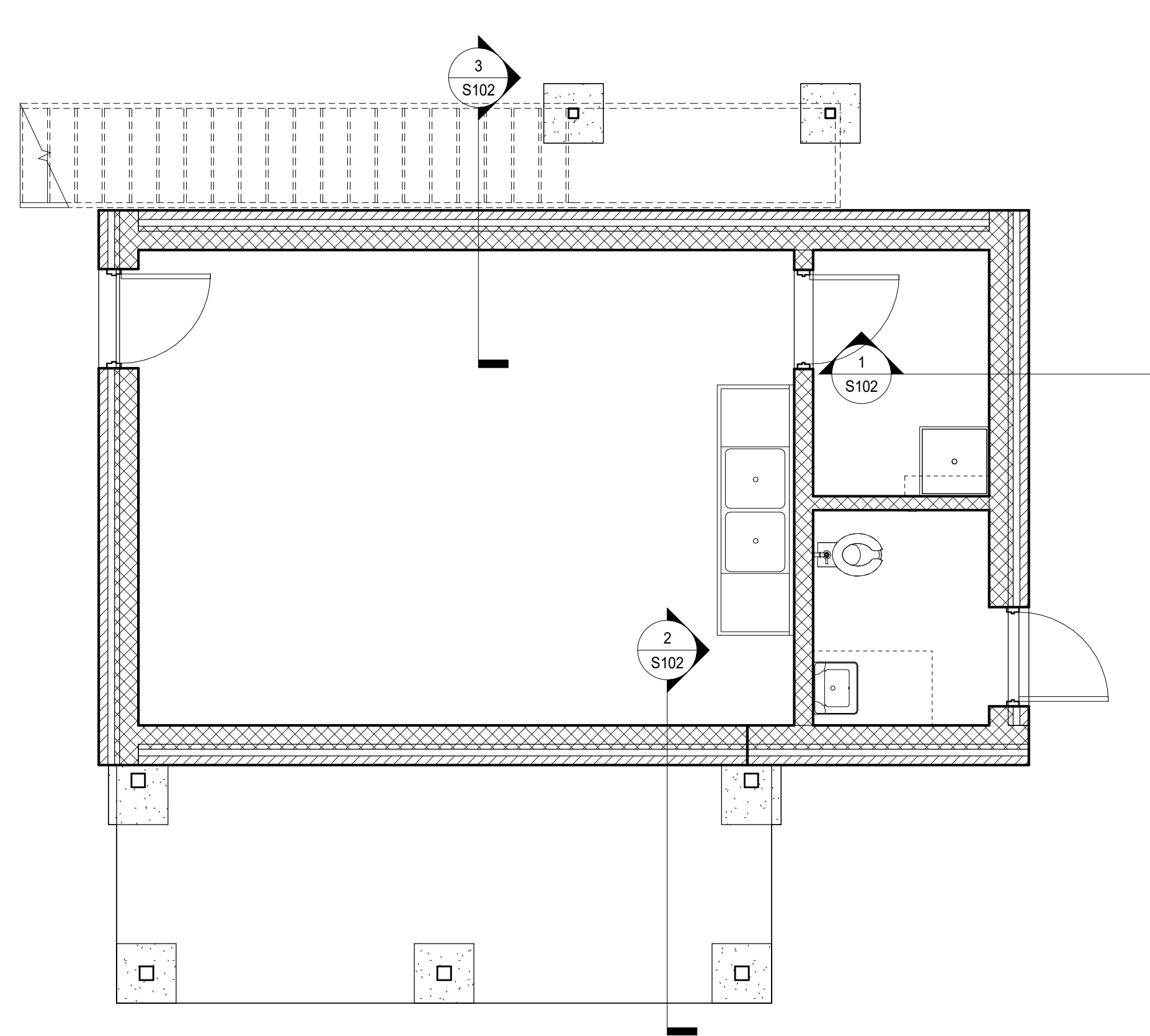
Provide the following Seismic Design Parameters:
 Occupancy Category (Table 1604.5) I II III IV
 Spectral Response Acceleration: $S_{DS} = 24.9\%$ $S_{M1} = 18.6\%$
 Site Classification: A B C D E F
 Data Source: Field Test Presumptive Historical Data
 Basic structural system (check one)
 Bearing Wall Dual w/ Special Moment Frame
 Building Frame Dual w/ Intermediate R/C or Special Steel
 Moment Frame Inverted Pendulum
 Wind Base Shear: $V_{w1} = 5.04k$ $V_{w2} = 4.08k$
 Seismic Base Shear: $V_{w1} = 1.74k$ $V_{w2} = 1.74k$

Analysis Procedure: Simplified Equivalent Lateral Force Dynamic
 Architectural, Mechanical, Components anchored? Yes No

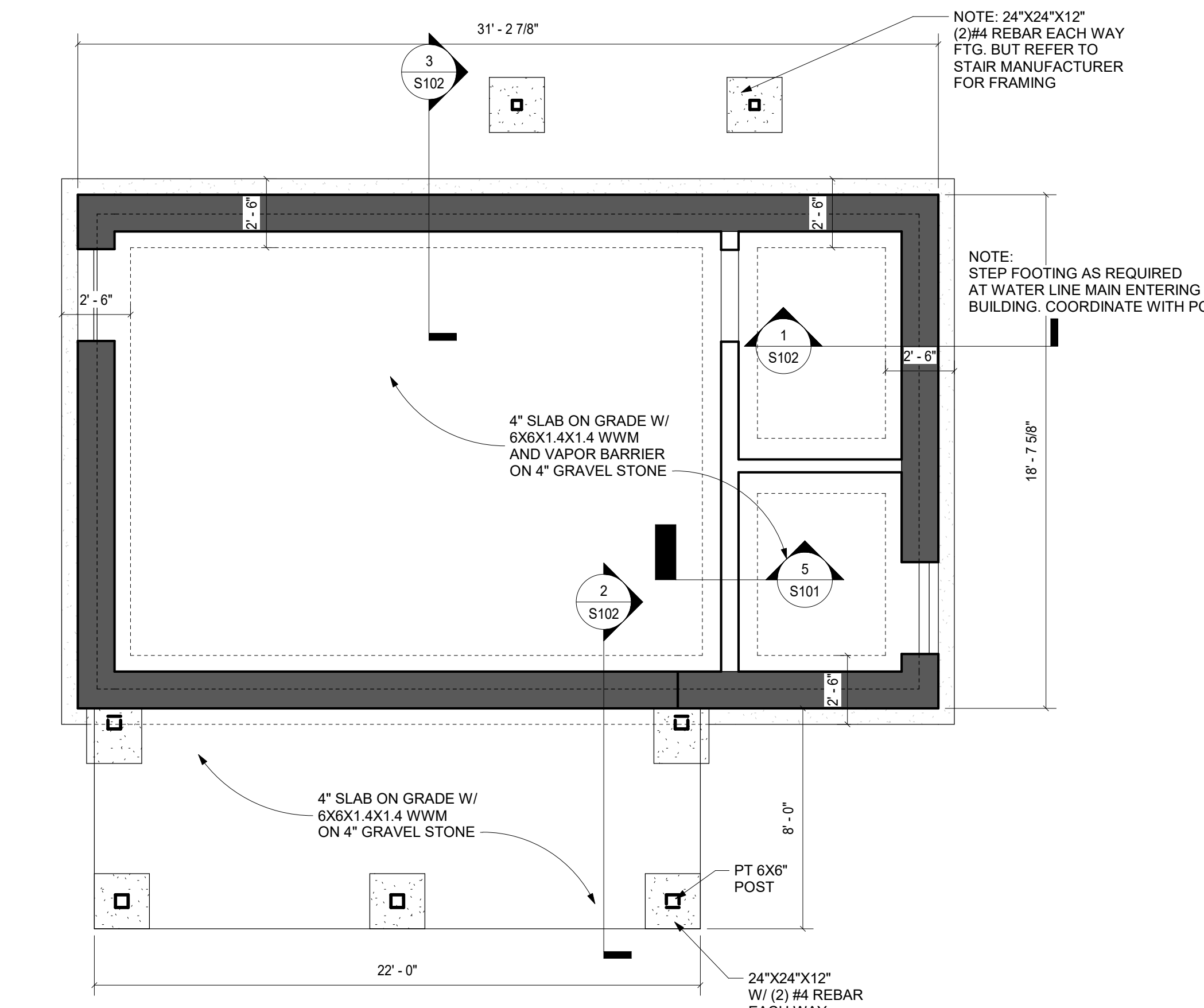
LATERAL DESIGN CONTROL: Earthquake Wind

SOIL BEARING CAPACITIES:
 Field Test (provide copy of test report): _____ psf
 Presumptive Bearing capacity: 2000 psf
 Pile size, type and capacity: _____

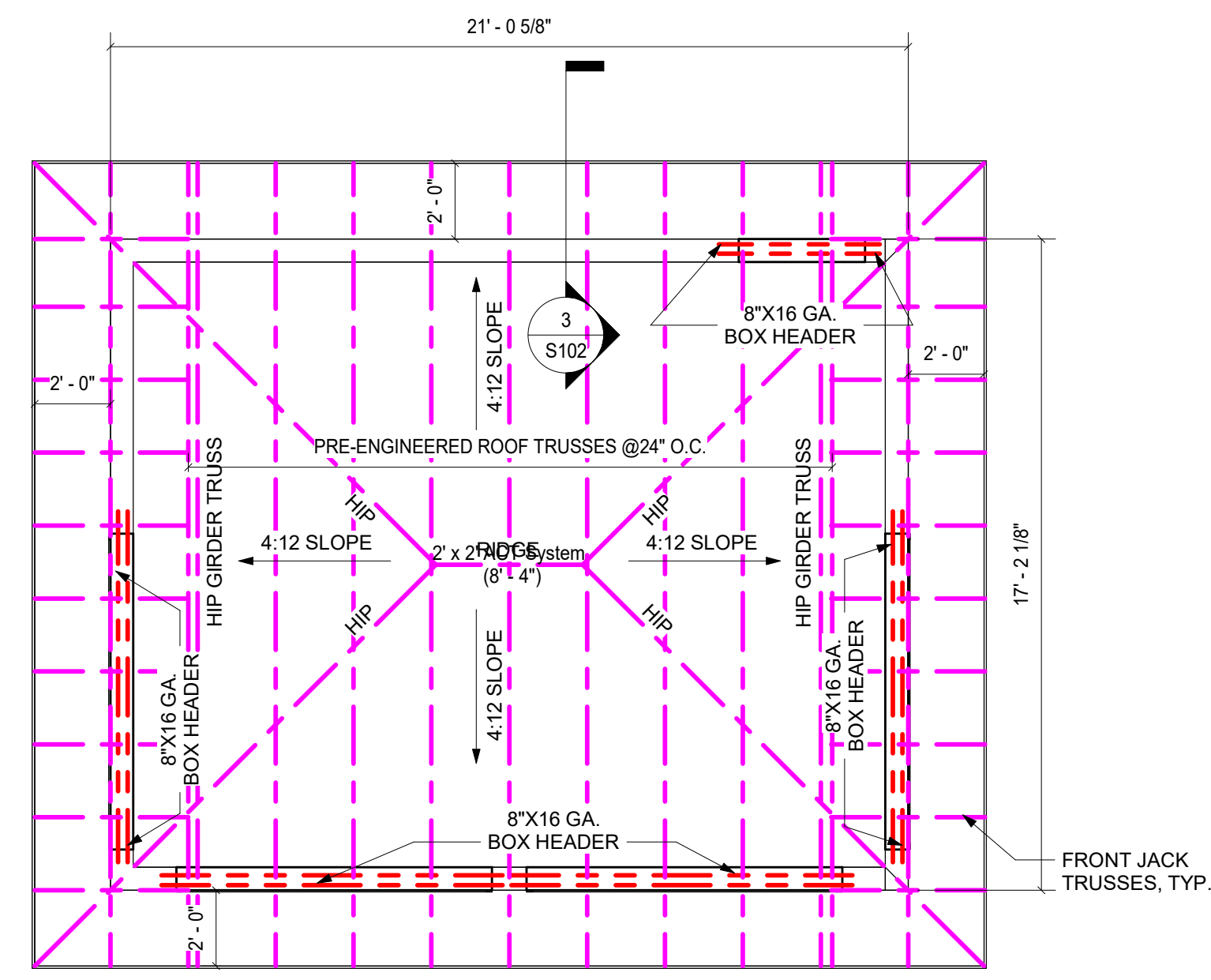
ROOF TRUSS LOADS FOR TRUSS DESIGNER:
 TC DL = 10 PSF
 BC DL = 10 PSF
 TC LL = 20 PSF
 BC LL = 0 PSF



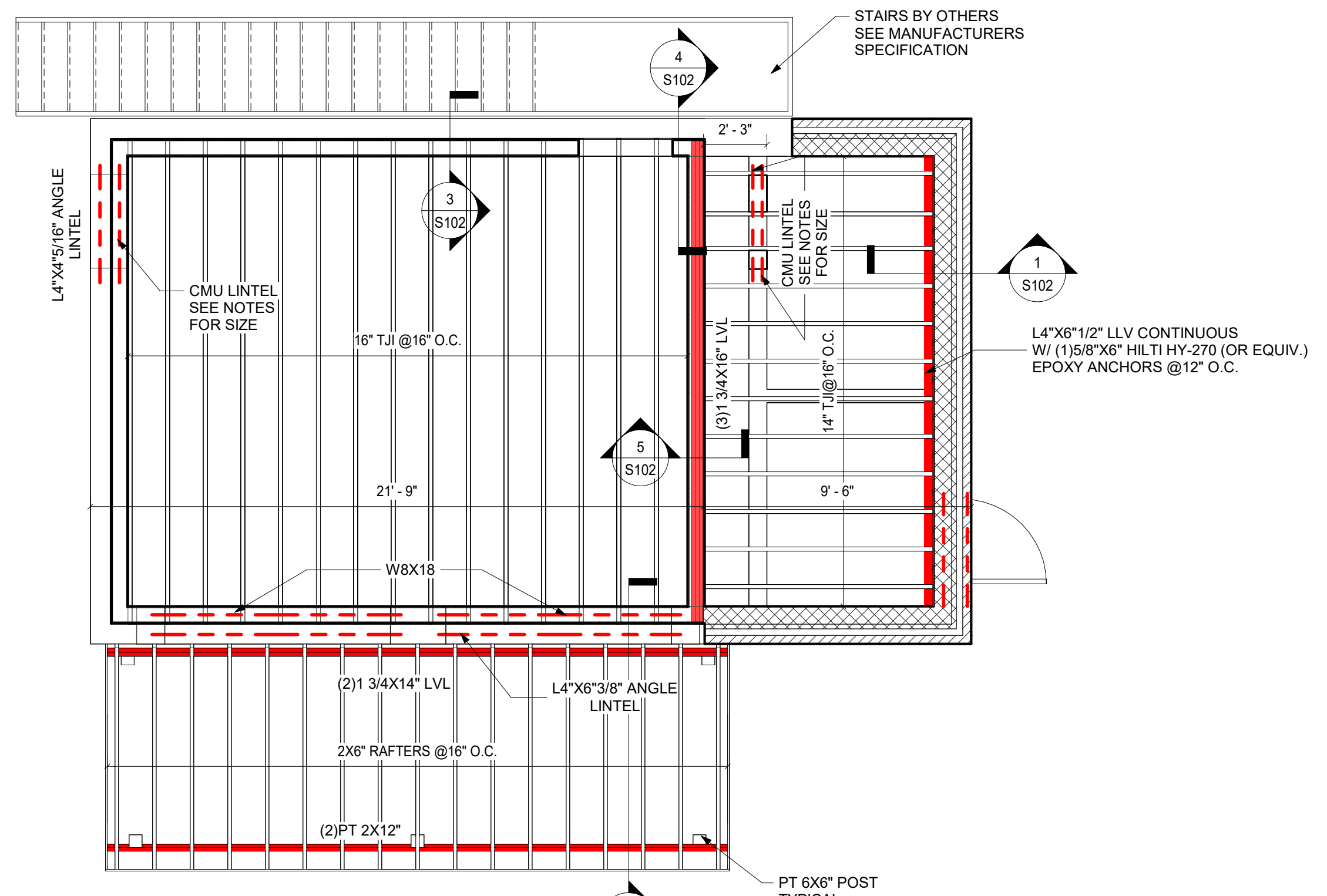
2 FIRST FLOOR
1/4" = 1'-0"



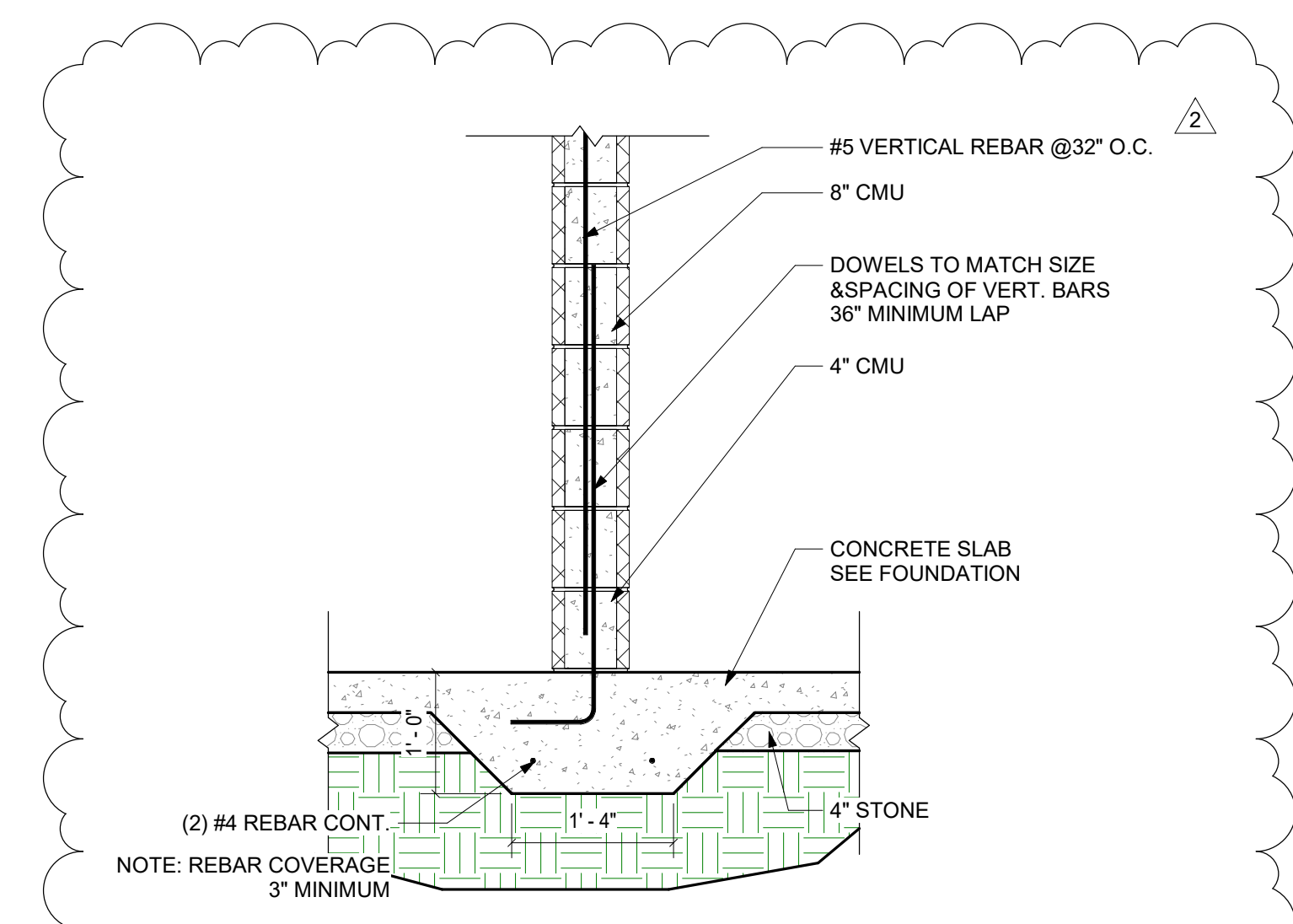
1 FOUNDATION
1/4" = 1'-0"



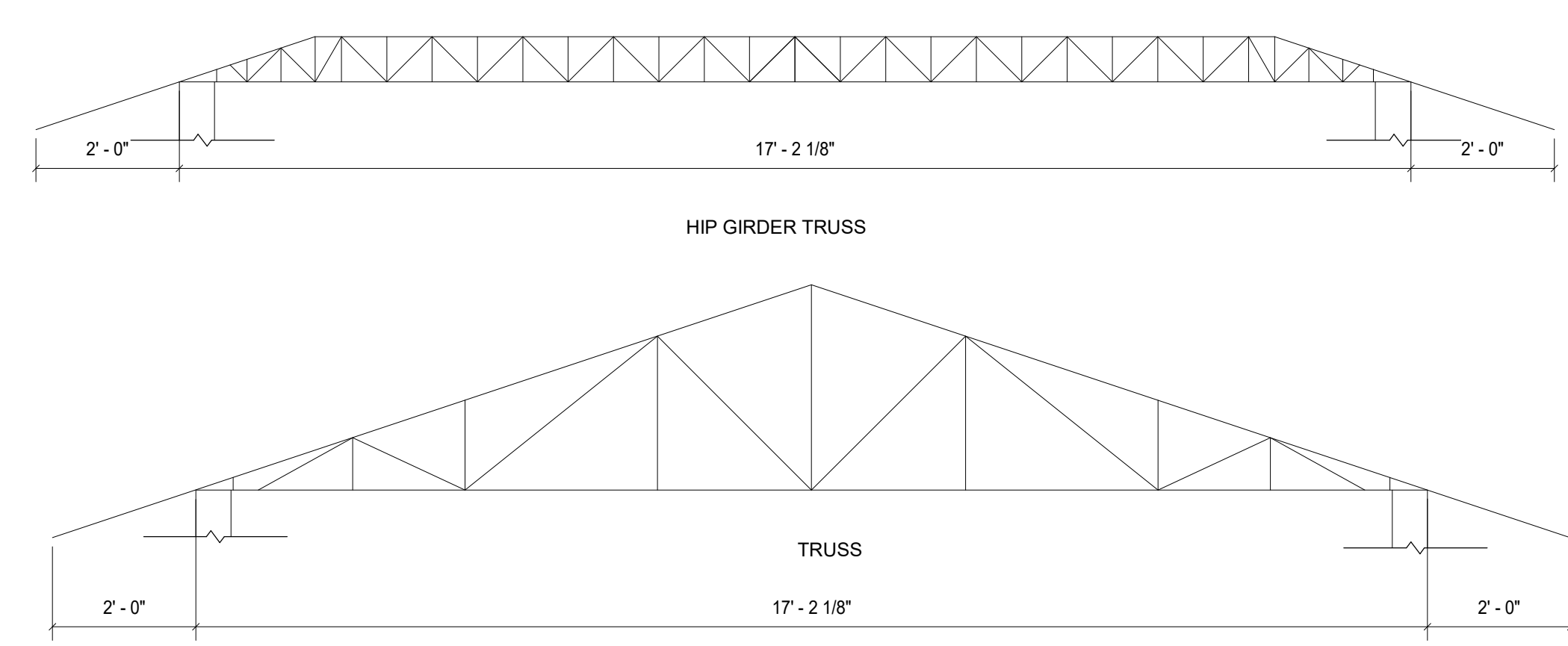
4 ROOF FRAMING PLAN
1/4" = 1'-0"



3 SECOND FLOOR
1/4" = 1'-0"



5 INTERIOR CMU WALL FTG DETAIL
3/4" = 1'-0"



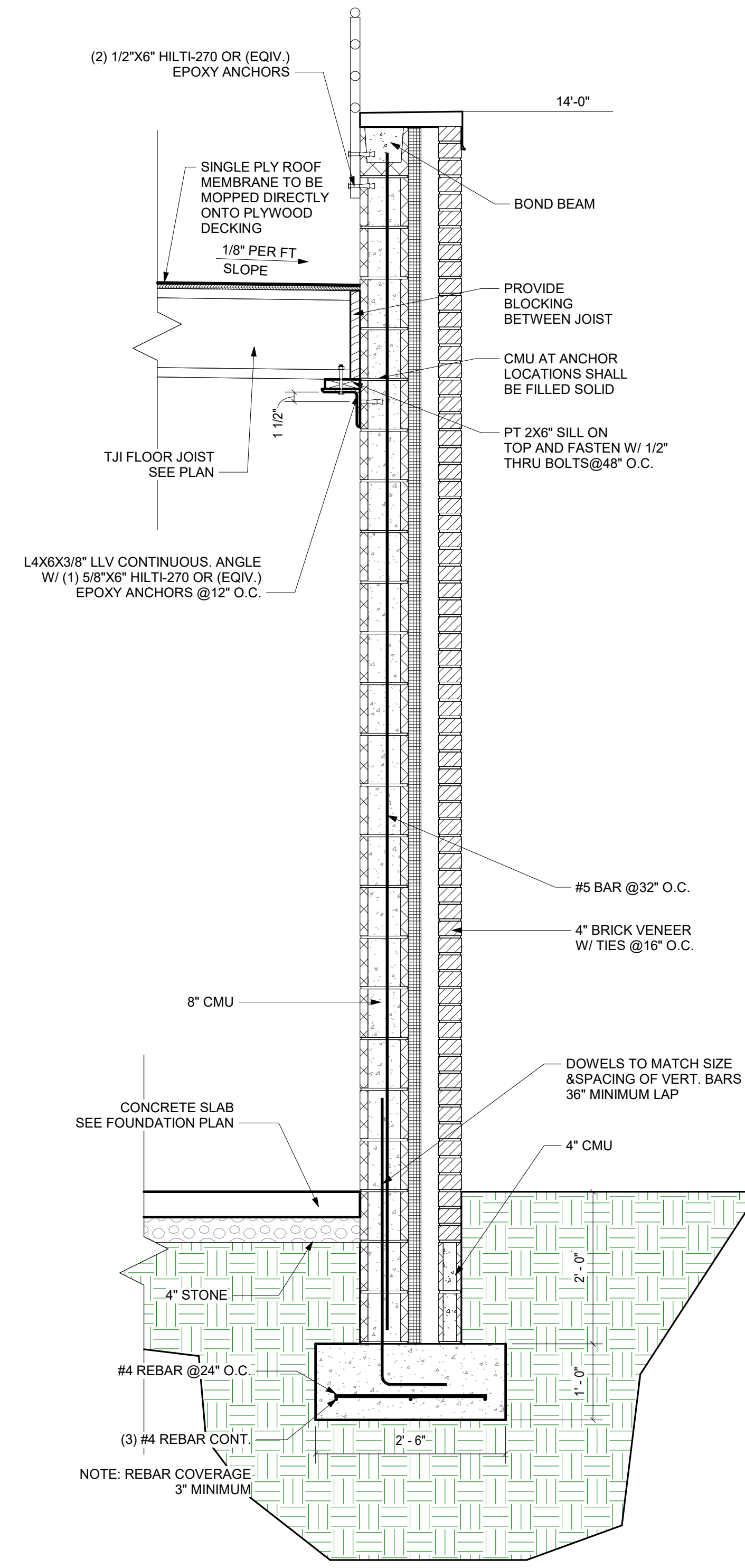
TRUSS PROFILE

BID SET
 ISSUE DATE: 12/01/2022
 REVISIONS

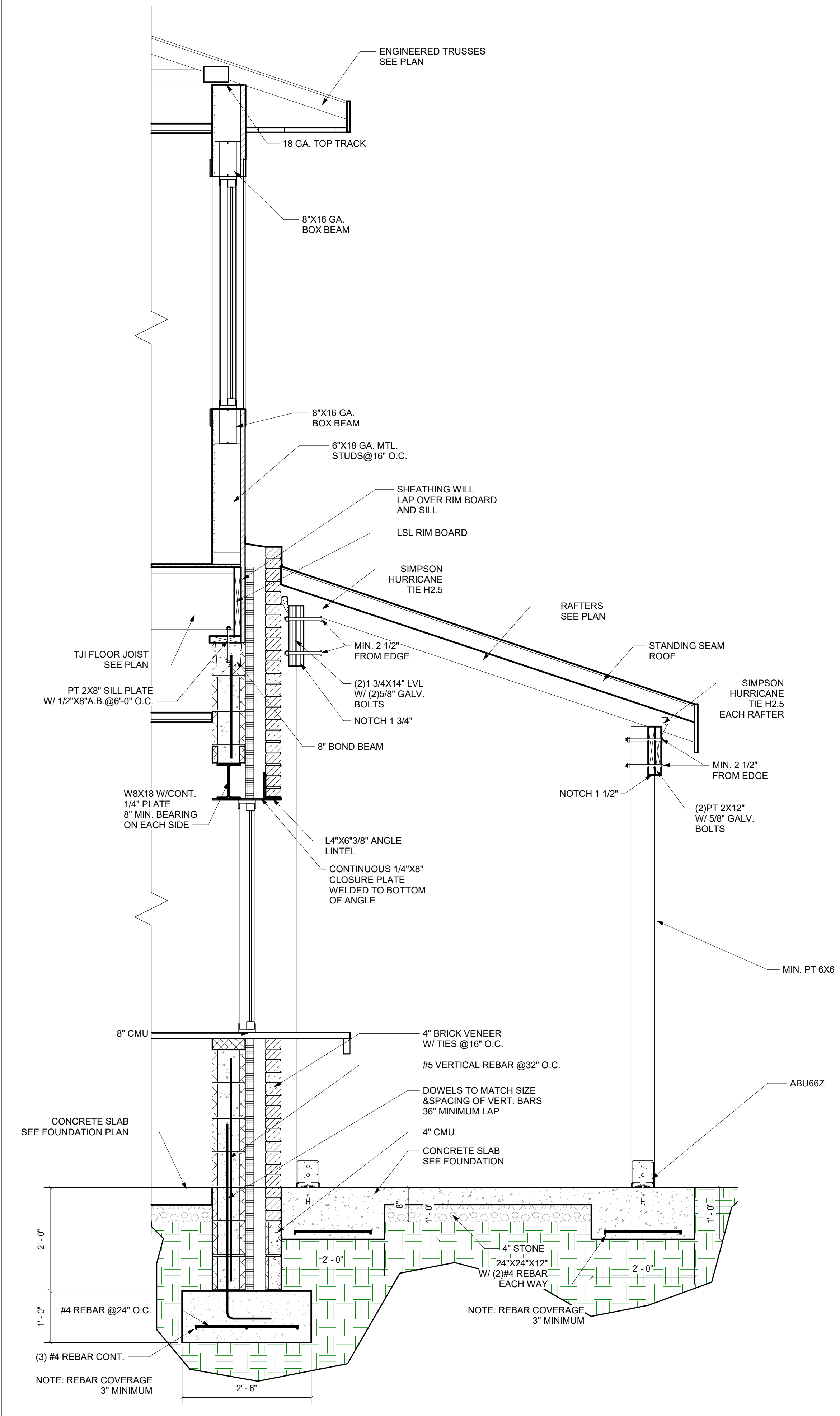
NO.	DESCRIPTION	DATE
1	DPI COMMENTS	3/30/23
2	ADD DETAIL	6/27/23

ABSS EASTERN HS PRESS BOX/CONCESSIONS
 MEBANE, NC

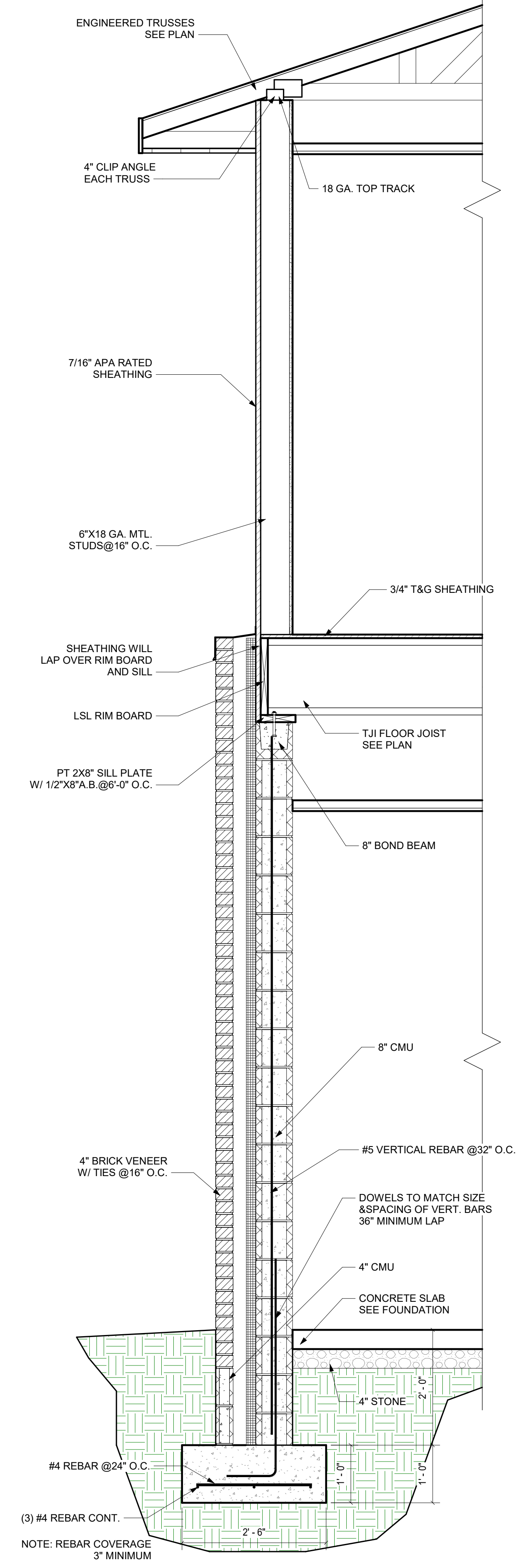
PROJECT NUMBER 2212
 SHEET TITLE FOUNDATION, FIRST FLOOR, SECOND FLOOR FRAMING, ROOF FRAMING PLAN & NOTES
S101



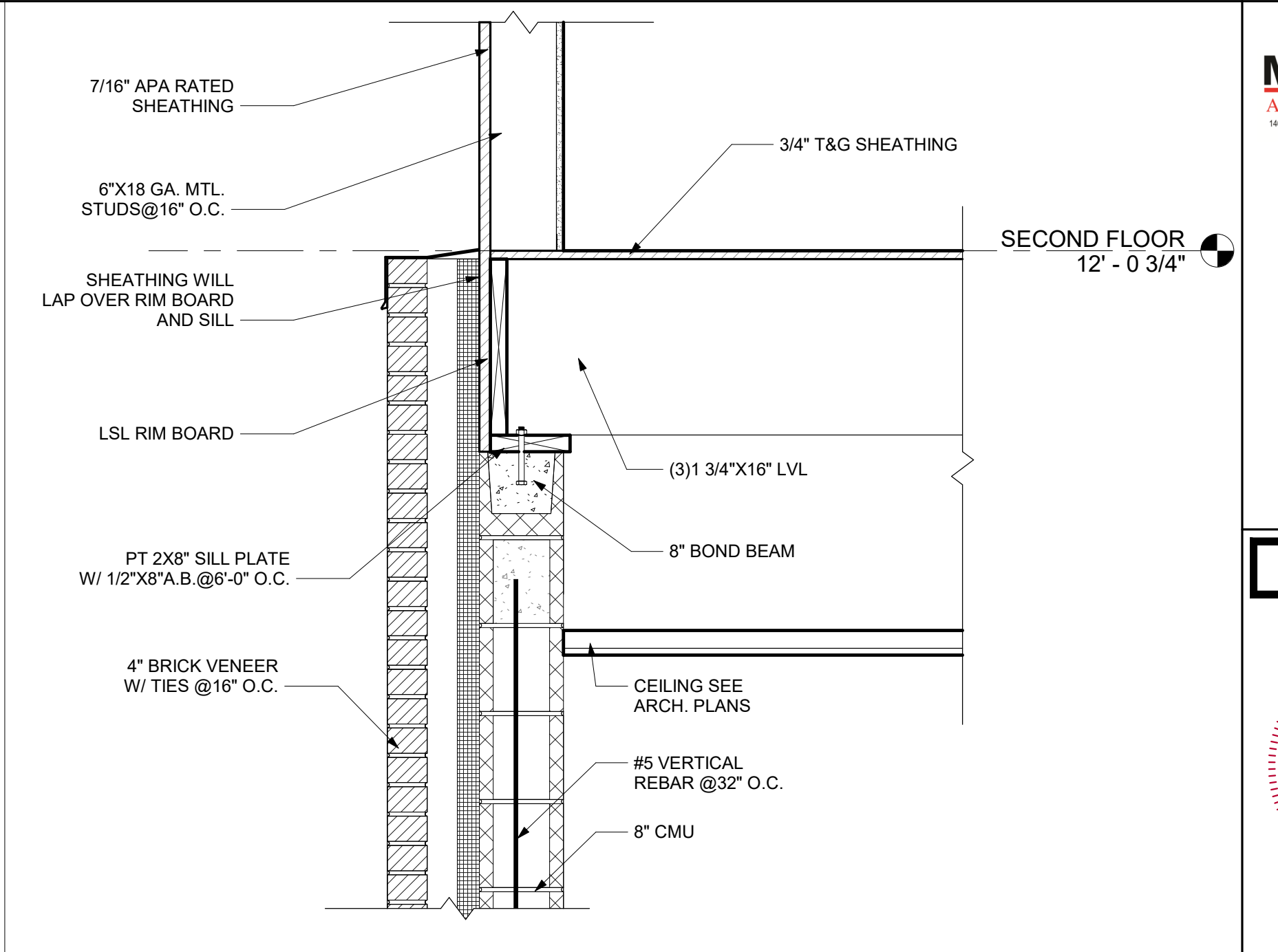
1 WALL SECTION @ ROOF
3/4" = 1'-0"



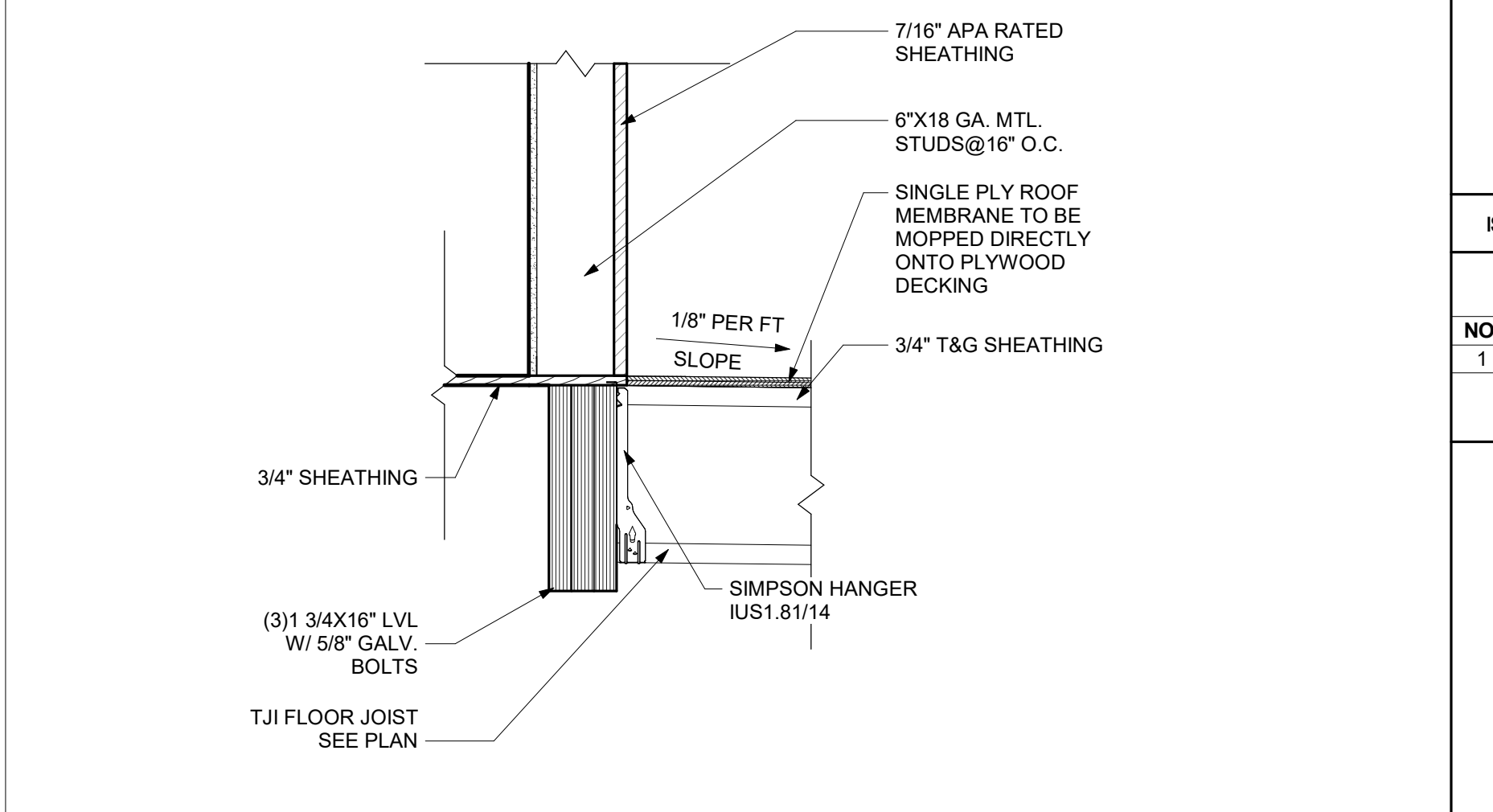
2 WALL SECTION @ CONCESSION WINDOW
3/4" = 1'-0"



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



4 WALL SECTION DETAIL @ LVL
1" = 1'-0"



5 TJI AND LVL CONNECTION DETAIL
1" = 1'-0"

BID SET

ISSUE DATE: 12/01/2022

REVISIONS		
NO.	DESCRIPTION	DATE
1	DPI COMMENTS	3/30/23

ABSS EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

PLUMBING MATERIALS AND NOTES

DOMESTIC WATER PIPING:

- DOMESTIC WATER PIPING AND JOINTS BELOW GRADE: PROVIDE TYPE "K" SOFT ANNEALED SEAMLESS COPPER TUBING (ASTM B 88) WITH NO JOINTS FOR PIPING 2-1/2" AND SMALLER, PROVIDE DUCTILE IRON PIPE AND FITTINGS (AWWA C151, AWWA C110) WITH RUBBER GASKET JOINTS AND RODS (AWWA C111) PIPING 3" AND LARGER.
- DOMESTIC WATER PIPING AND JOINTS ABOVE GRADE: PROVIDE TYPE "L" HARD DRAWN SEAMLESS COPPER TUBING (ASTM B 88) AND CAST COPPER ALLOY FITTINGS (ASME B16.18). JOINTS 1" AND SMALLER SHALL BE LEAD FREE 95-5 TIN/SILVER SOLDER JOINTS (ASTM B 32). JOINTS 1-1/4" AND LARGER SHALL BE BCUP SILVERPHOSPHORUS COPPER BRAZED JOINTS (AWS A5.8) OR PROVIDE COPPER PIPE AND FITTINGS AS SPECIFIED ABOVE EXCEPT WITH GROOVED ENDS (ASTM B 88, ASME B16.18) AND JOINTS UTILIZING GROOVED MECHANICAL COUPLINGS MEETING (ASTM F1478). CPVC PIPING IN COMPLIANCE WITH ASTM D2846 IN CONJUNCTION WITH CPVC SOLVENT CEMENT IN COMPLIANCE WITH ASTM F493 MAY BE USED. TYPE A PEX PIPING EQUAL TO UPONOR MAY BE USED.
- STERILIZE THE DOMESTIC WATER SYSTEM IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION'S SPECIFICATIONS AND LOCAL HEALTH DEPARTMENT REGULATIONS.
- INSULATE DOMESTIC WATER PIPING ABOVE GRADE (EXCEPT EXPOSED CONNECTIONS TO PLUMBING FIXTURES) WITH GLASS FIBER INSULATION HAVING A VAPOR BARRIER AND JACKET. PIPE INSULATION SHALL HAVE A CONDUCTIVITY NOT EXCEEDING 0.27 BTU/H x 50 FT. FOLLOW SCHEDULE BELOW.

SERVICE TYPE PIPE SIZES INSULATION THICKNESS

SERVICE TYPE	PIPE SIZES	INSULATION THICKNESS
DOMESTIC HOT WATER & CIRCULATION	1/2" - 1-1/4"	1"
DOMESTIC HOT WATER & CIRCULATION	1-1/2" - 4"	1-1/2"
DOMESTIC COLD WATER	1/2" - 1-1/4"	1/2"
DOMESTIC COLD WATER	1-1/2" - 4"	1"

- DOMESTIC WATER PIPING INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES ARE REQUIRED TO MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 (NFPA 255) METHOD AND SHALL BE UL LISTED.
- PROVIDE FULL PORT, BALL TYPE SHUT-OFF VALVES AND INSTALL IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS.
- PROTECT COPPER PIPING AGAINST CONTACT WITH DISSIMILAR METALS. ALL HANGERS, SUPPORTS, ANCHORS AND CLIPS SHALL BE COPPER OR COPPER PLATED. WHERE COPPER PIPING IS CARRIED ON TRAPEZE HANGERS WITH OTHER PIPING, PROVIDE A PERMANENT ELECTROLYTIC ISOLATION MATERIAL TO PREVENT CONTACT WITH DISSIMILAR OTHER METALS.
- PROTECT COPPER PIPING AGAINST CONTACT WITH ALL MASONRY, WHERE COPPER IS SLEEVED THROUGH MASONRY, PROVIDE COPPER OR RED BRASS SLEEVES. WHERE COPPER MUST BE CONCEALED IN OR AGAINST MASONRY PARTITIONS, PROVIDE A HEAVY COATING OF ASPHALTIC ENAMEL ON THE COPPER PIPING AND 15# ASPHALT SATURATED FELT BETWEEN THE PIPING AND THE MASONRY PARTITION.
- DOMESTIC WATER PIPING SHALL BE SLOPED FOR DRAINAGE WITH DRAIN VALVES INSTALLED AT LOW POINTS.
- BALANCE THE DOMESTIC HOT WATER CIRCULATION SYSTEM TO THE PERFORMANCE SPECIFICATIONS INDICATED ON THE PLANS AND PROVIDE THE ENGINEER WITH THREE COPIES OF A COMPLETE TEST AND BALANCE REPORT. THE REPORT IS TO BE ISSUED A MINIMUM OF TWO WEEKS PRIOR TO PROJECT COMPLETION. THE TEST AND BALANCE REPORT WILL BE SUBJECT TO REVIEW AND APPROVAL BY THE ENGINEER. ANY ADDITIONAL TESTING, ADJUSTING AND BALANCING REQUIRED (AT ENGINEER'S REQUEST) AFTER REVIEW OF THE INITIAL REPORT SHALL BE PROVIDED AT NO ADDITIONAL COST. TEST AND BALANCE REPORT TO BE COMPLETED BY AN INDEPENDENT, CERTIFIED TEST AND BALANCE CONTRACTOR.

SANITARY WASTE / VENT AND STORM PIPING:

- SANITARY WASTE AND STORM DRAIN PIPING BELOW GRADE: PROVIDE BELL AND SPIGOT WITH RUBBER GASKET JOINTS OR SOLID CORE SCHEDULE 40 PVC PIPE. IN ACCORDANCE WITH ASTM D-2885. ALL BURIED PLASTIC PIPING UNDER 2" IN SIZE ABOVE GROUND MAY BE GALVANIZED STEEL PIPE WITH GALVANIZED MALLEABLE DRAINAGE TYPE FITTINGS. ALL CAST IRON PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADE MARK OF CSPI AND LISTED BY NSF INTERNATIONAL, SCHEDULE 40 PVC PIPE AND SOCKET FITTINGS (ASTM D 2885) WITH SOLVENT WELD JOINTS (ASTM D2855). FOAM CORE PIPE IS NOT APPROVED. DO NOT INSTALL PVC PIPING IN RETURN AIR FLENUMS.
- SANITARY WASTE/VENT PIPING ABOVE GRADE: PROVIDE STANDARD WEIGHT CAST IRON "NO-HUB" WITH HEAVY DUTY NO-HUB COUPLINGS CERTIFIED BY CSPI 310 AND NSF INTERNATIONAL. SOIL, WASTE AND VENT PIPING UNDER 2" IN SIZE ABOVE GROUND MAY BE GALVANIZED STEEL PIPE WITH GALVANIZED MALLEABLE DRAINAGE TYPE FITTINGS. ALL CAST IRON PIPE AND FITTINGS SHALL BE MARKED WITH THE COLLECTIVE TRADE MARK OF CSPI AND LISTED BY NSF INTERNATIONAL, SCHEDULE 40 PVC PIPE AND SOCKET FITTINGS (ASTM D 2885) WITH SOLVENT WELD JOINTS (ASTM D2855). FOAM CORE PIPE IS NOT APPROVED. DO NOT INSTALL PVC PIPING IN RETURN AIR FLENUMS.
- SLOPE SANITARY WASTE PIPING AT 1/4" PER FOOT MINIMUM FOR PIPING 2-1/2" AND SMALLER AND 1/8" PER FOOT MINIMUM FOR PIPING 3" AND LARGER UNLESS NOTED OTHERWISE.
- PROVIDE CLEAN-OUTS AT THE BASE OF SANITARY WASTE STACKS AND AT EVERY TURN IN PIPING IN EXCESS OF 45° AND NO FURTHER THAN 100'-0" APART IN A LOCATION THAT PERMITS ACCESS FOR SERVICE WITHOUT DAMAGE TO THE BUILDING OR FINISHED MATERIALS.
- PROVIDE FLOOR CLEANOUTS WITH TOPS DESIGNED TO MATCH SPECIFIC FLOOR FINISHES SUCH AS CARPET, TILE, ETC. YARD CLEANOUTS SHALL BE PROVIDED IN AN 18"x18"x6" CONCRETE PAD.
- WHERE WASTE PIPING IS EXPOSED IN REST ROOM AREAS, PROVIDE CHROME PLATED BRASS PIPING, REMOVABLE P-TRAPS, MATCHING STOPS AND ESCUTCHEONS FOR ALL LAVATORIES.
- INSULATE MECHANICAL ROOM FLOOR DRAIN BODIES, P-TRAP AND HORIZONTAL DRAIN PIPING ABOVE GRADE WITH 1" THICK GLASS FIBER INSULATION WITH VAPOR BARRIER AND JACKET.
- PIPING INSULATION, JACKETS, COVERINGS, SEALERS, MASTICS AND ADHESIVES ARE REQUIRED TO MEET A FLAME-SPREAD RATING OF 25 OR LESS AND A SMOKE-DEVELOPED RATING OF 50 OR LESS, AS TESTED BY ASTM E84 (NFPA 255) METHOD.

PLUMBING FIXTURE SCHEDULES

GENERAL REQUIREMENTS:

- P-1A - WATER CLOSET (FLOOR MOUNTED - ADA COMPLIANT - 1/28 GPF MANUAL FLUSH VALVE). AMERICAN STANDARD 3043.102, EQUAL: KOHLER K4388, CRANE SPT01, 16-3/4" HIGH ELONGATED BOWL, SIPHON JET, VITREOUS CHINA; FLUSH VALVE TO BE AUTOMATIC INFRARED SENSOR ACTIVATED. MANUAL FLUSH VALVE: ZURN AQUAVANTARGE 1/28 GPF Z6000AVHET, CHROME METAL COVER, 11" ABOVE WATER CLOSET; CHURCH 9500CT OPEN FRONT SEAT, WHITE SOLID PLASTIC.
- P-4A - DUAL COMPARTMENT SINK
ELKAY LRAD-3319-60-4, 33"x19-1/2"x6", 4 HOLES; LK-35 DRAIN; LK-53 PIPE; LK-2433C FAUCET WITH SPRAY AND HOSE.
- P-5 - MOP SINK
FIAT MSB-2424, 24"x24" MOLDED STONE BASIN WITH 3" CAST BRASS DRAIN AND DOME STRAINER; SERVICE FAUCET #830-AA WITH VACUUM BREAKER; INTEGRAL STOPS, #832-AA-30" HOSE AND HOSE BRACKET.
- P-8A - WALL MOUNTED LAVATORY (ADA COMPLIANT - SENSOR ACTIVATED)
AMERICAN STANDARD 4889.004, EQUAL: KOHLER K2849, 20"x18" ENAMELED CAST IRON, WALL HUNG LAVATORY, 4" CENTERS, DELTA; 86T0104 0.5 GPM SINGLE BUTTON METERING FAUCET; GRID DRAIN. PROVIDE THERMOSTATIC MIXING VALVE EQUAL TO LAWLER 570 AND SET HOT WATER TEMPERATURE TO NOT EXCEED 110 DEGREES.
- FPWH - FROST PROOF WALL HYDRANT
WADE W-8601, EQUAL: ZURN Z-1321, WOODFORD 65; EXPOSED NON-FREEZE WALL HYDRANT WITH INTEGRAL VACUUM BREAKER, STAINLESS STEEL FACE AND 3/4" SWEAT INLET.
- EWH-1 - ELECTRIC WATER HEATER (1 LOCATION)
A.O. SMITH DEL 30 (30 GALLON 4 SKW, 200V, 1Ø) - CREATES 34GPH @ 72 DEGREE TEMP RISE) WATER HEATERS SHALL HAVE COMBINATION TEMPERATURE AND PRESSURE RELIEF VALVE, MAGNESIUM ANODE, GLASS-LINED, 5 YEAR WARRANTY ON TANK, STANDARD WARRANTY ON ACCESSORIES, SEE PLANS FOR SIZES. PROVIDE A 2 GALLON BLADDER TYPE EXPANSION TANK ON WATER HEATERS ABOVE 3 GALLON STORAGE.

PLUMBING FIXTURE SCHEDULES (CONT.)

LABEL	FIXTURE NAME	COLD WATER	HOT WATER	WASTE	VENT
P-1A	WATER CLOSET (ADA)	1-1/4"	-	4"	2"
P-4A	SINK (COUNTER MOUNTED)	1/2"	1/2"	2	1-1/2"
P-5	MOP SINK	1/2"	1/2"	3	1-1/2"
P-8A	LAVATORY (WALL MOUNTED)	1/2"	1/2"	2	1-1/2"
FPWH	FROST PROOF WALL HYDRANT	3/4"	-	-	-

PLUMBING GENERAL NOTES

GENERAL REQUIREMENTS:

- PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL AND STATE PLUMBING CODE AND WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
- GENERAL AND SPECIAL CONDITIONS ARE HEREBY MADE AN INTEGRAL PART OF THE PLUMBING SPECIFICATIONS INsofar AS THE GENERAL AND SPECIAL CONDITIONS ARE APPLICABLE TO THE PLUMBING WORK, UNLESS OTHERWISE SPECIFIED.
- SCOPE: PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL PLUMBING SYSTEMS IN ACCORDANCE WITH ALL APPLICABLE CODES.
- PERMITS: APPLY AND PAY FOR ALL NECESSARY PERMITS, FEES AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION. ACREAGE CHARGES, FACILITIES CHARGES AND BOND PROPERTY ASSESSMENTS ARE NOT TO BE CONSTRUED TO BE A PART OF THIS CONTRACT.
- WARRANTY: PROVIDE A ONE YEAR WARRANTY, FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER, FOR ALL PLUMBING MATERIALS AND EQUIPMENT.
- COORDINATE ALL PLUMBING PIPING LOCATIONS, ROUGH-IN LOCATIONS AND EQUIPMENT LOCATIONS WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES. FINAL PIPING AND EQUIPMENT LOCATIONS SHALL BE A CODE COMPLIANT INSTALLATION FOR ALL TRADES.
- FIELD VERIFY PROPER OPERATION OF EXISTING SYSTEMS BEFORE STARTING CONSTRUCTION. NOTIFY THE ARCHITECT / ENGINEER OF RECORD OF ANY PROBLEMS OR DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS AND/OR ANY POTENTIAL PROBLEMS OBSERVED BEFORE CONTINUING WORK IN THE EFFECTED AREAS.
- CUT WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF PLUMBING WORK. ALL CUTTING SHALL BE HELD TO A MINIMUM. PATCH AND FINISH SURFACES TO MATCH ADJOINING SURFACES.
- PLUMBING PLANS SHALL NOT BE SCALED. REFERENCE THE ARCHITECTURAL PLANS FOR ALL LOCATIONS OF PLUMBING FIXTURES, WALLS, DOORS, WINDOWS, ETC.
- PLUMBING PIPING SHALL BE LOCATED CONCEALED IN WALLS, PARTITIONS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE. PLUMBING PIPING IN EXPOSED AREAS SHALL BE RUN TIGHT TO STRUCTURE.
- PLUMBING PIPING, VENTS, ETC. EXTENDING THROUGH EXTERIOR WALLS AND/OR THE ROOF SHALL BE FLASHED AND COUNTER FLASHED IN A WATERPROOF MANNER. COORDINATE FLASHING WITH THE GENERAL CONTRACTOR.
- DO NOT INSTALL PLUMBING PIPING IN AREAS SUBJECT TO FREEZING TEMPERATURES. INSTALL PLUMBING PIPING SHOWN IN EXTERIOR WALLS ON THE CONDITIONED SIDE OF THE WALL INSULATION.
- PROVIDE NON-CONDUCTING DIELECTRIC UNIONS WHENEVER CONNECTING DISSIMILAR METALS.
- ATTACH HANGERS TO STRUCTURE, HANGERS SHALL NOT ATTACH TO THE DECK.
- PROVIDE ACCESS DOORS FOR VALVES, WATER HAMMER ARRESTORS, TRAP PRIMERS, ETC. CONCEALED IN MASONRY WALLS, GYPSUM WALLS AND/OR CEILINGS THAT WILL REQUIRE MAINTENANCE ACCESS.
- PLUMBING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO: PLUMBING FIXTURES AND EQUIPMENT, FIRE STOPPING, SEISMIC BRACING, PIPE IDENTIFICATION, DOMESTIC WATER SYSTEM, SANITARY WASTE AND VENT SYSTEM.

PLUMBING FIXTURES AND EQUIPMENT:

- PROVIDE COMPLETE PLUMBING FIXTURES AND EQUIPMENT. INCLUDE SUPPLIES, STOPS, VALVES, FAUCETS, DRAINS, TRAPS, TAIL PIECES, ESCUTCHEONS, ETC.
- PLUMBING FIXTURES AND EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
- THE PLUMBING CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH SUBSTITUTIONS TO SPECIFIED PLUMBING FIXTURES AND EQUIPMENT INCLUDING BUT NOT LIMITED TO: PROVIDING MAINTENANCE ACCESS CLEARANCE, PIPING, ELECTRICAL, REPLACEMENT OF OTHER SYSTEM COMPONENTS, BUILDING ALTERATIONS, ETC. AND ANY MODIFICATIONS TO ASSOCIATED MECHANICAL, ELECTRICAL OR PLUMBING SYSTEMS REQUIRED BY THE EQUIPMENT'S INSTALLATION INSTRUCTIONS. ALL COSTS ASSOCIATED WITH SUBSTITUTIONS SHALL BE INCLUDED IN THE ORIGINAL BASE BID.

FIRE STOPPING:

- FIRE STOP ALL PENETRATIONS, BY PIPING OR CONDUITS, OF FIRE RATED WALLS, FLOORS AND PARTITIONS. PROVIDE A DEVICE(S) OR SYSTEM(S) WHICH HAS BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814 AND INSTALL IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE A DEVICE(S) OR SYSTEM(S) WITH AN "F" RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED. REFER TO ARCHITECTURAL PLANS FOR WALL AND FLOOR TYPES.

SEISMIC BRACING:

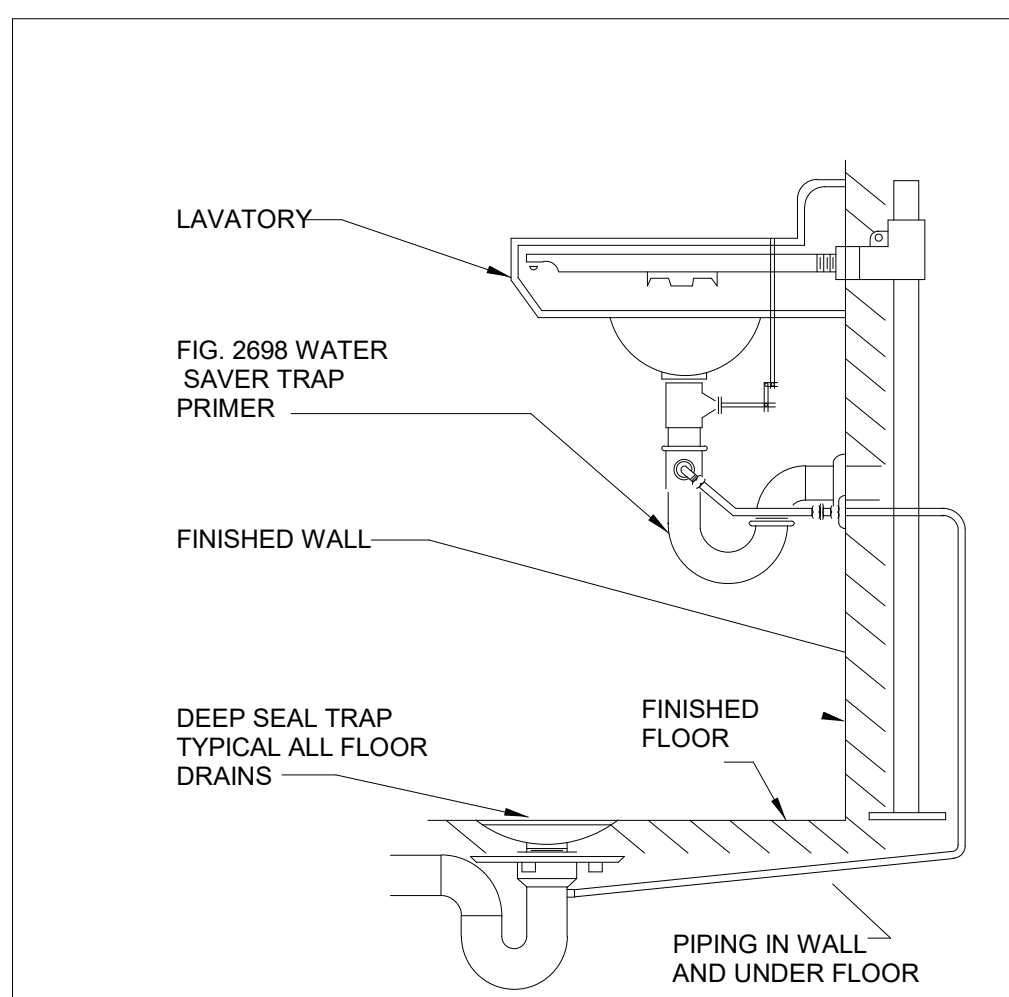
- PROPERLY SUPPORT AND BRACE VERTICALLY AND HORIZONTALLY ALL PIPING, APPARATUS, EQUIPMENT, ETC. IN ACCORDANCE WITH APPLICABLE CODES TO PREVENT EXCESSIVE MOVEMENT DURING SEISMIC CONDITIONS.

PIPE IDENTIFICATION:

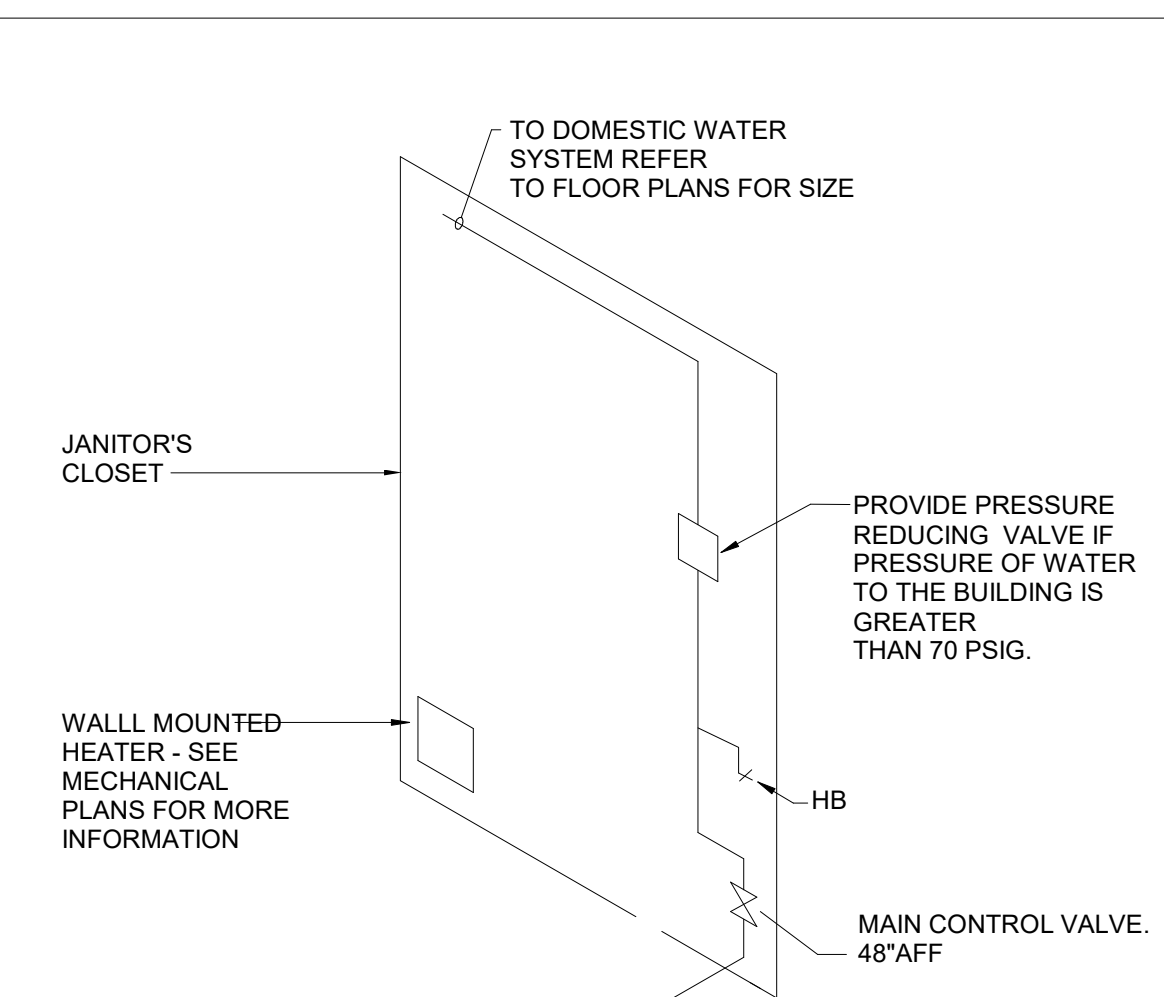
- PIPE IDENTIFICATION SHALL MATCH THE OWNER'S STANDARD. IF NO STANDARD EXISTS, THEN THE PIPE IDENTIFICATION SHALL BE IN ACCORDANCE WITH ANSI A13.1.
- PROVIDE PIPING LABELS FOR ALL PLUMBING PIPING. PIPING LABELS SHALL BE ACRYLIC FACED, WRAP-AROUND TYPE. EACH LABEL SHALL INDICATE THE PIPING CONTENTS, DIRECTION OF FLOW AND SHALL BEAR THE MANUFACTURER'S STANDARD COLOR FOR THE SERVICE INDICATED.

SHEET INDEX

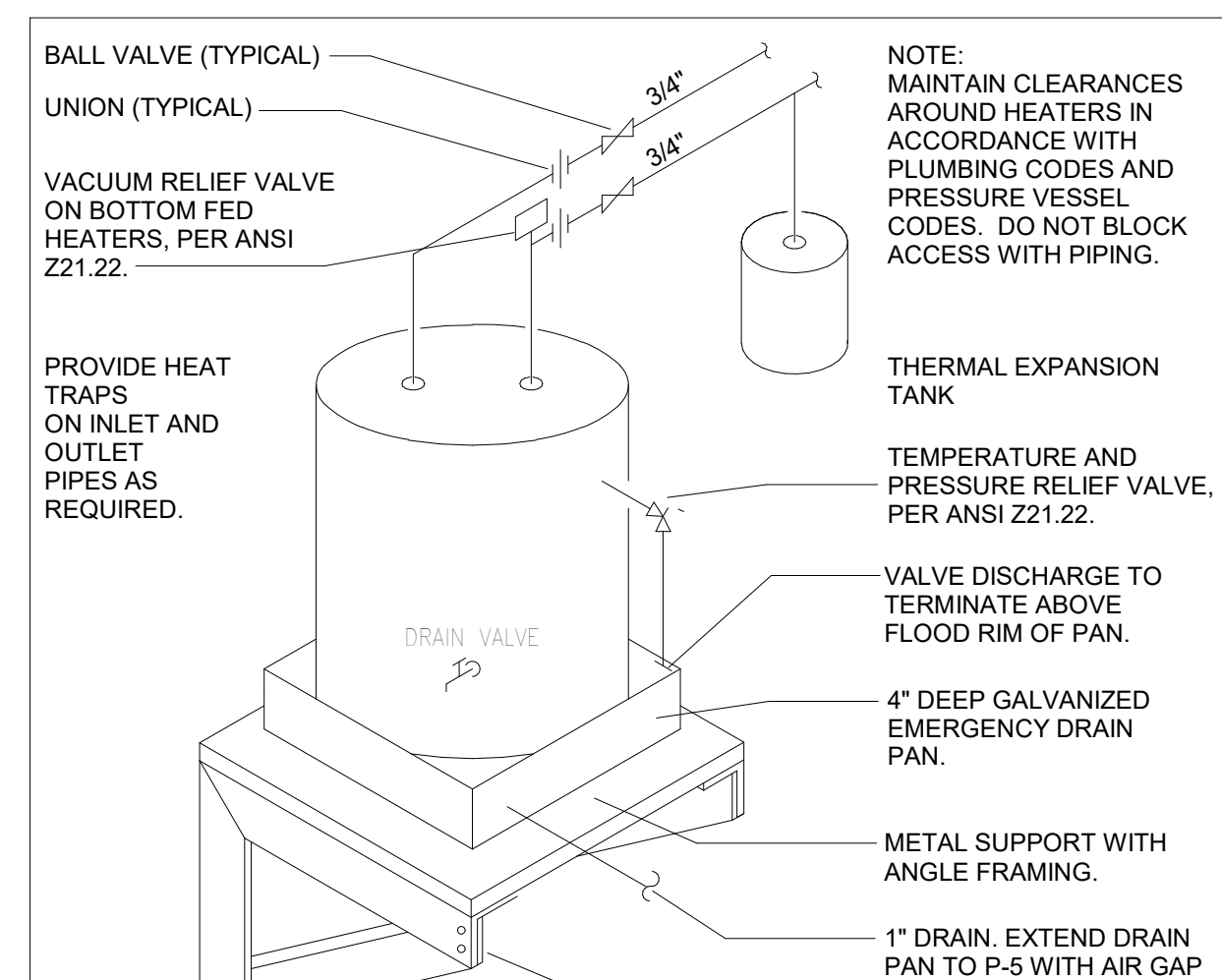
- P001 - PLUMBING SCHEDULES NOTES AND DETAILS
- P101 - PLUMBING FLOOR PLAN AND NOTES



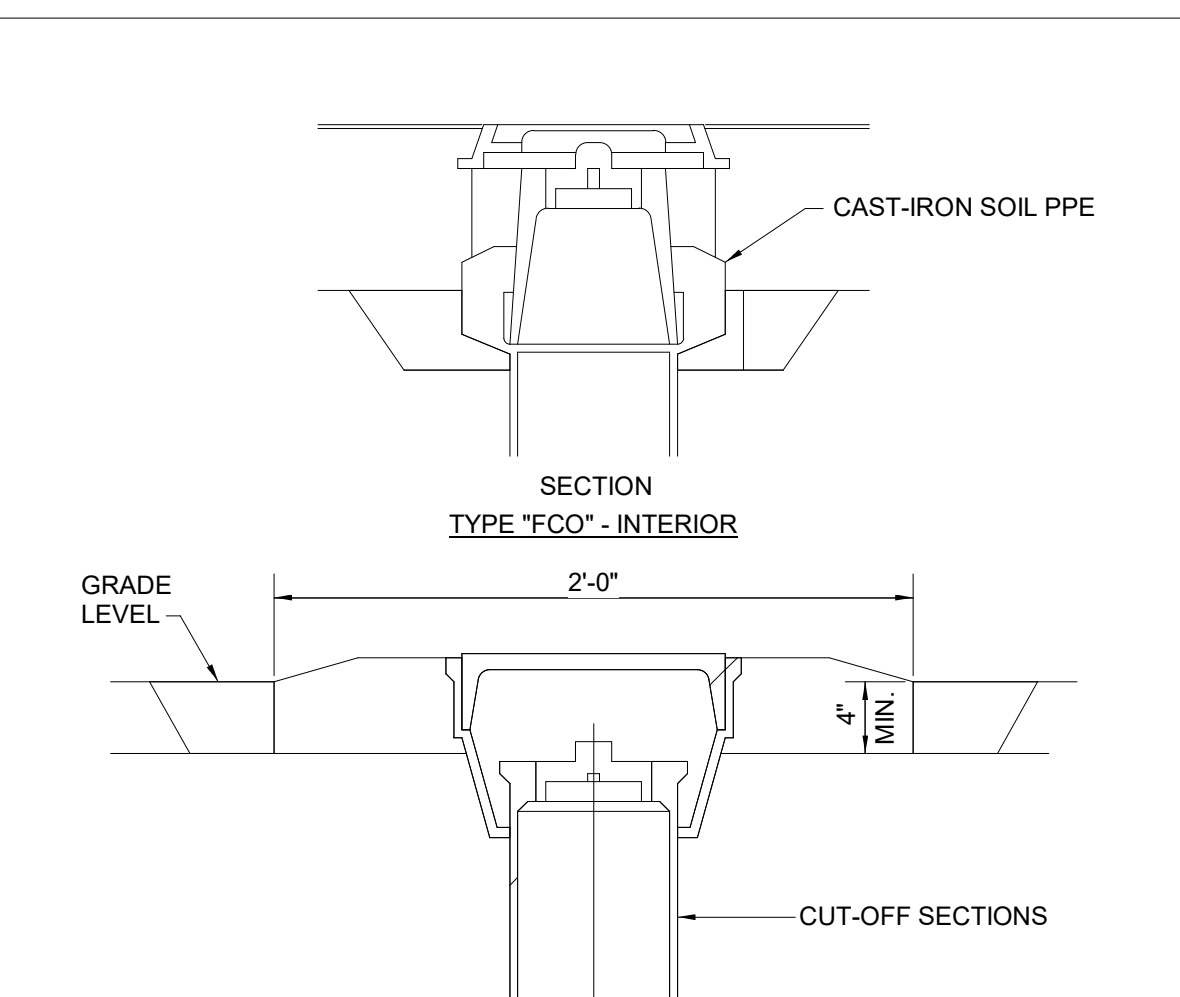
4	TRAP PRIMER FROM LAVATORY
P001	NO SCALE



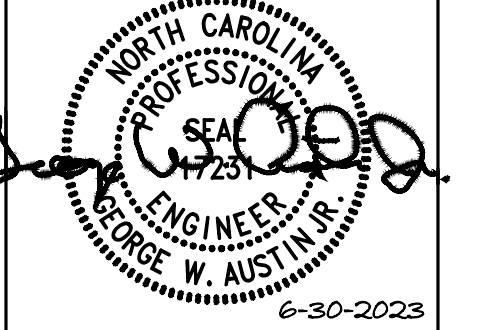
3	BUILDING WATER SERVICE RISER
P001	NO SCALE



2	EWH-1 (ELECTRIC WATER HEATER)
P001	NO SCALE



1	CLEANOUT DETAIL
P001	NO SCALE



PERMIT SET

ISSUE DATE:	12/01/2022
REV 1	MARCH 30, 2023
REV 2	JUNE 30, 2023

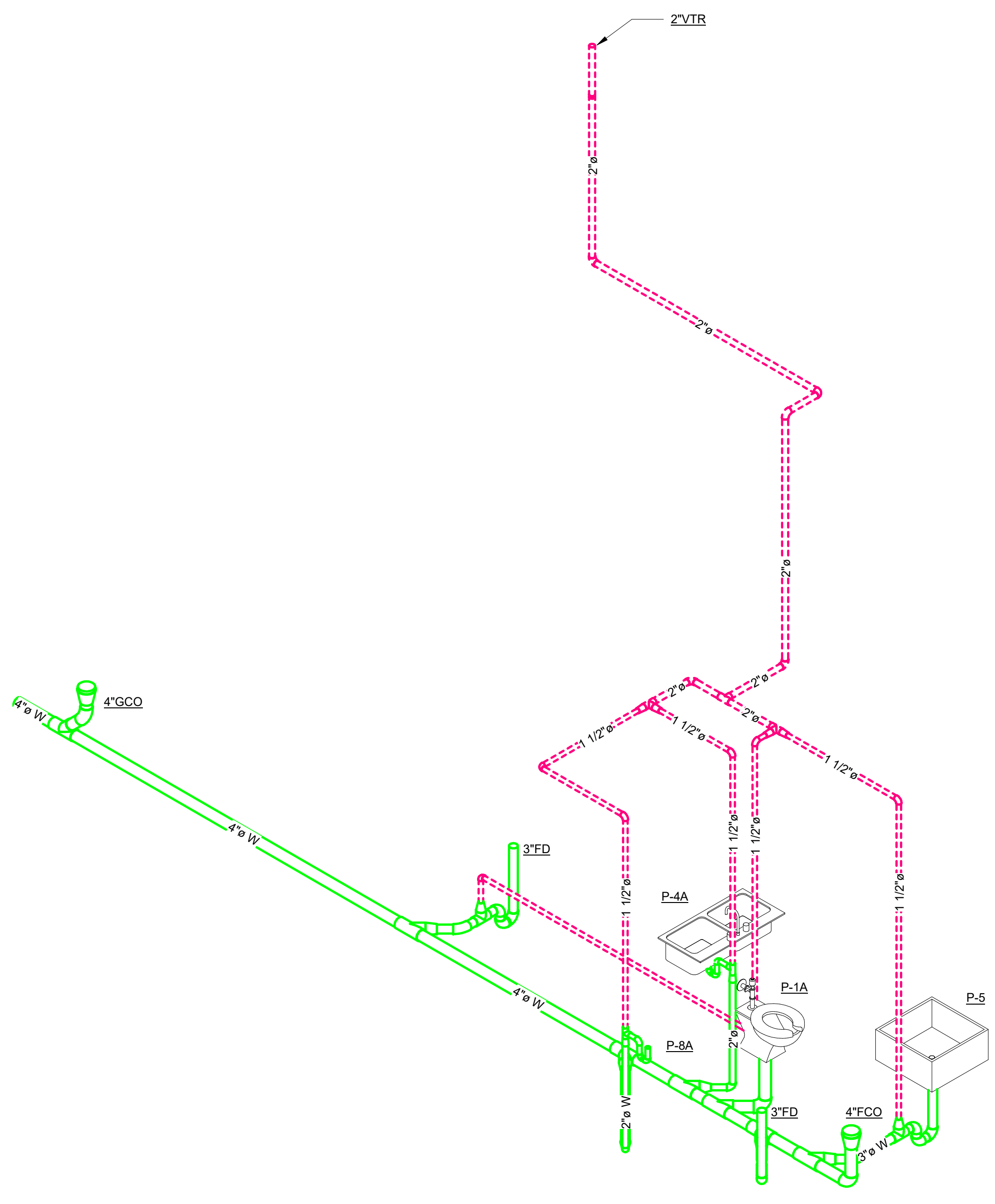
ABSS EASTERN HS PRESS BOX/CONCESSIONS
 MEBALE, NC

PROJECT NUMBER 2212

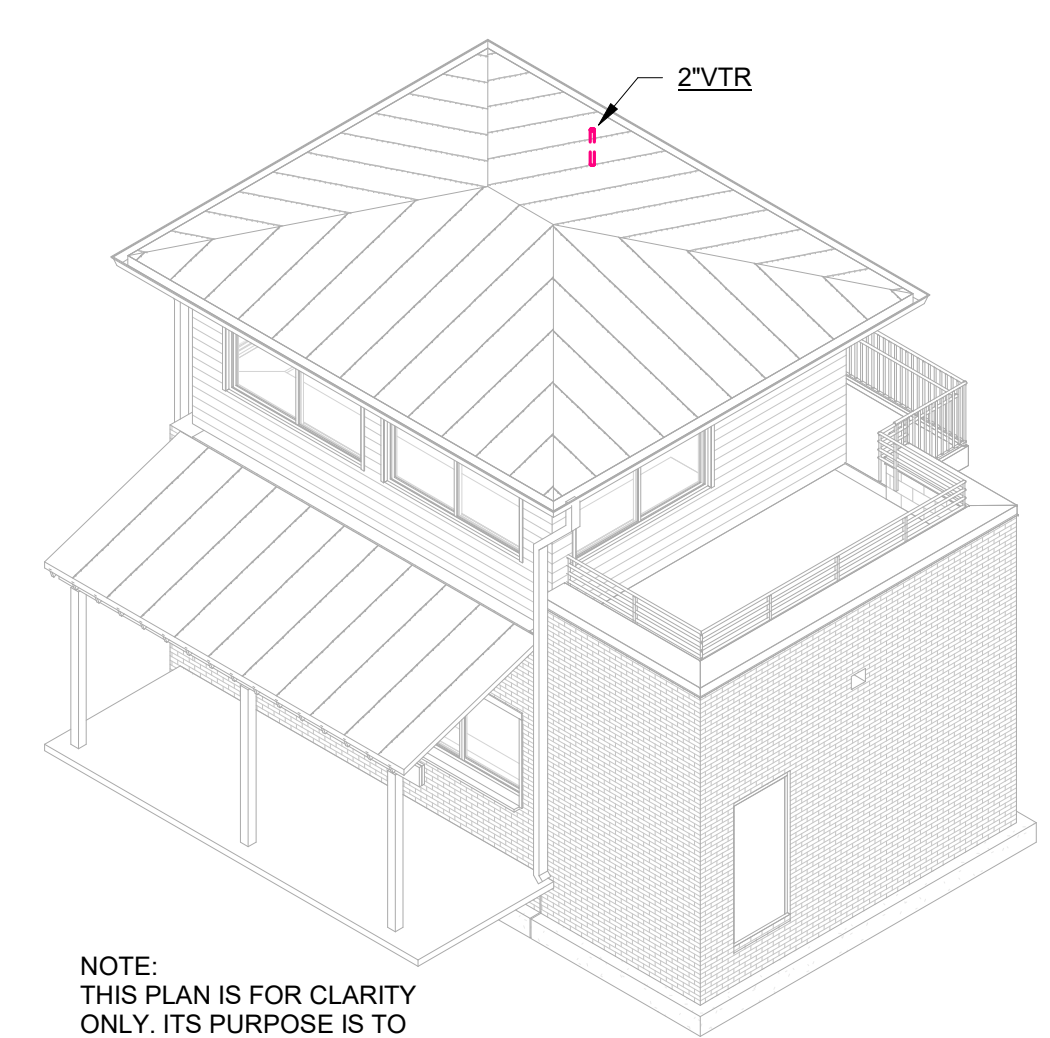
SHEET TITLE PLUMBING FLOOR PLAN AND NOTES

SHEET NUMBER

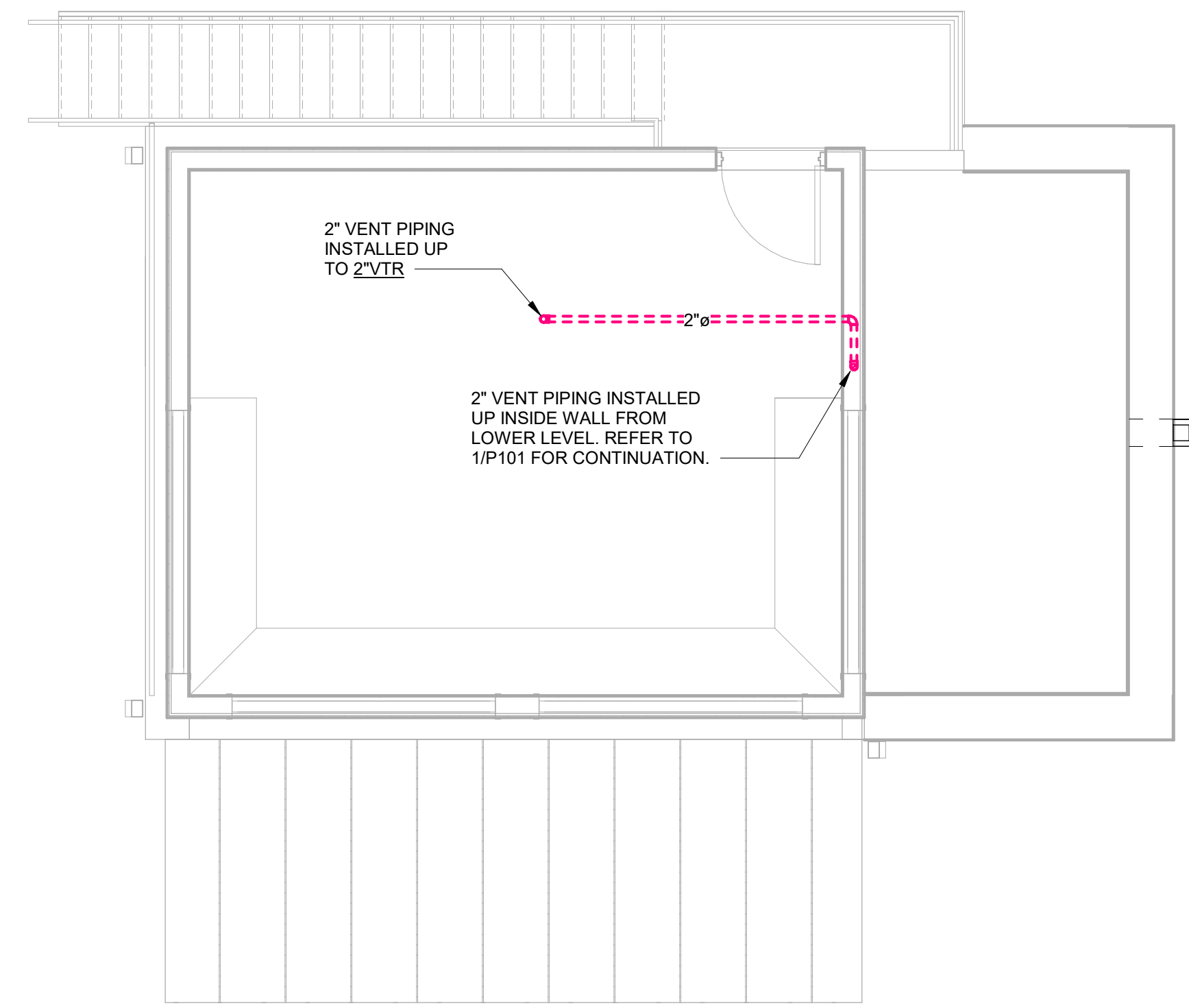
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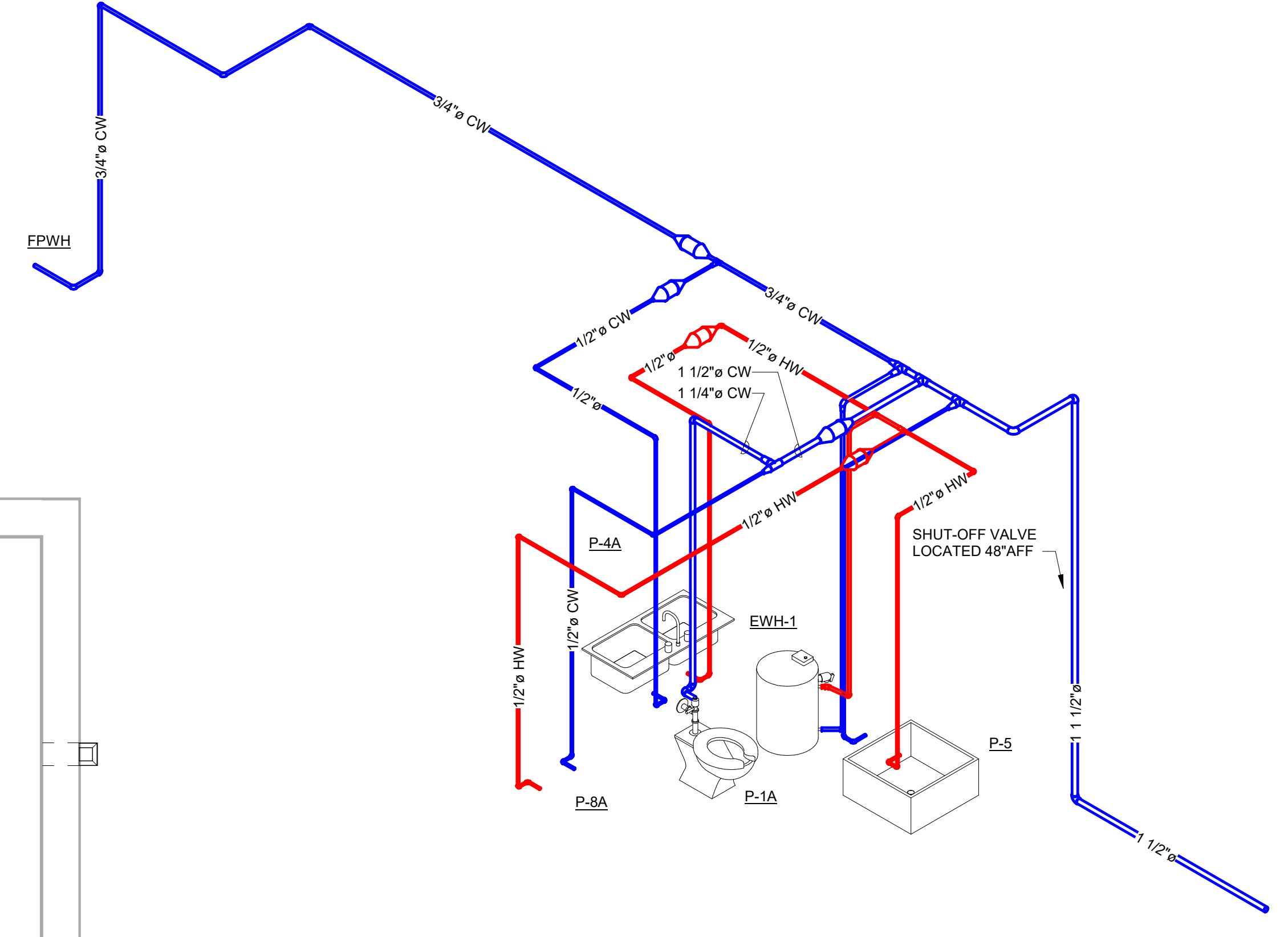
4 PLUMBING SANITARY WASTE RISER



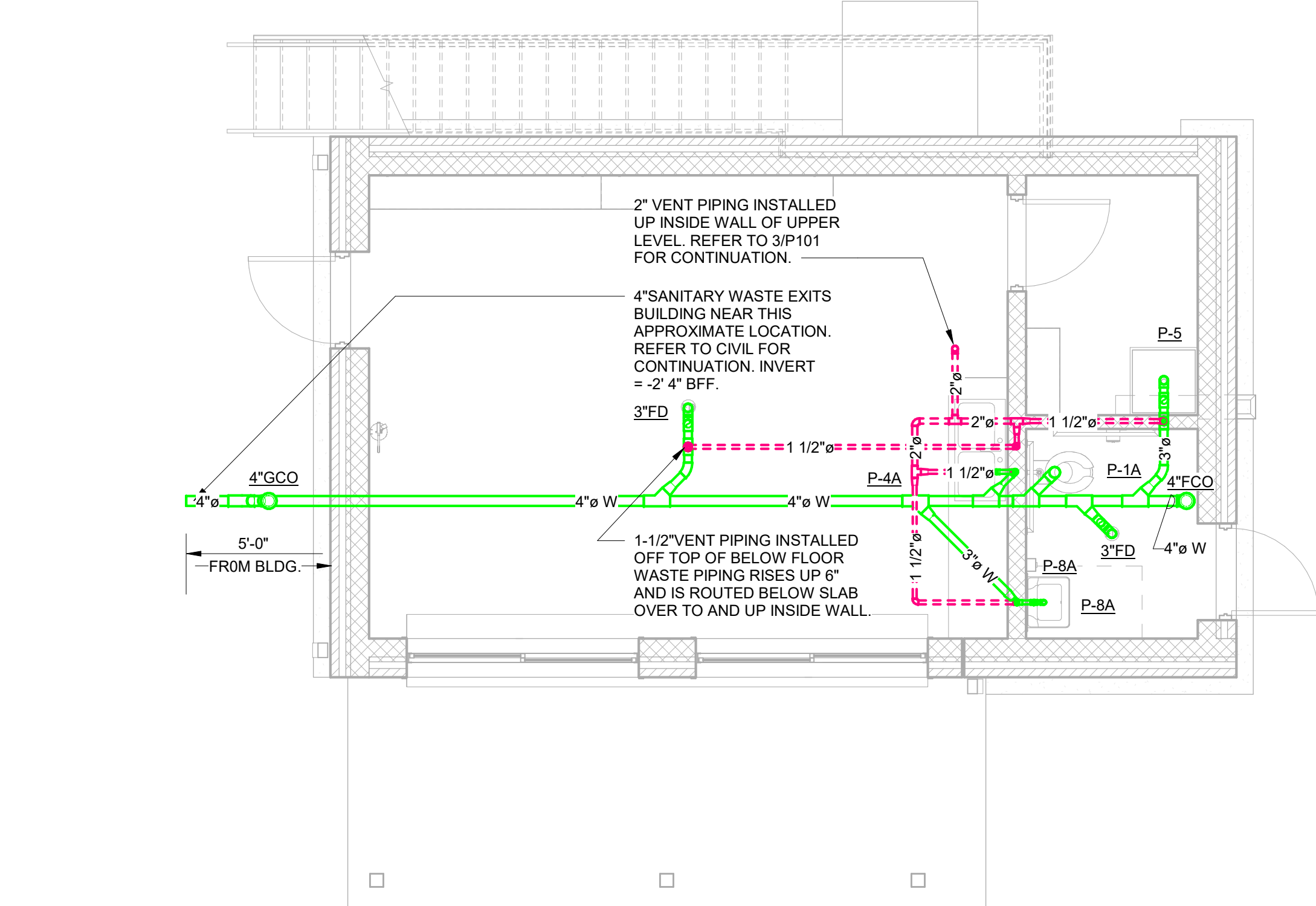
NOTE: THIS PLAN IS FOR CLARITY ONLY. ITS PURPOSE IS TO SHOW LOCATION OF VTR.
 6 VTR LOCATION PLAN



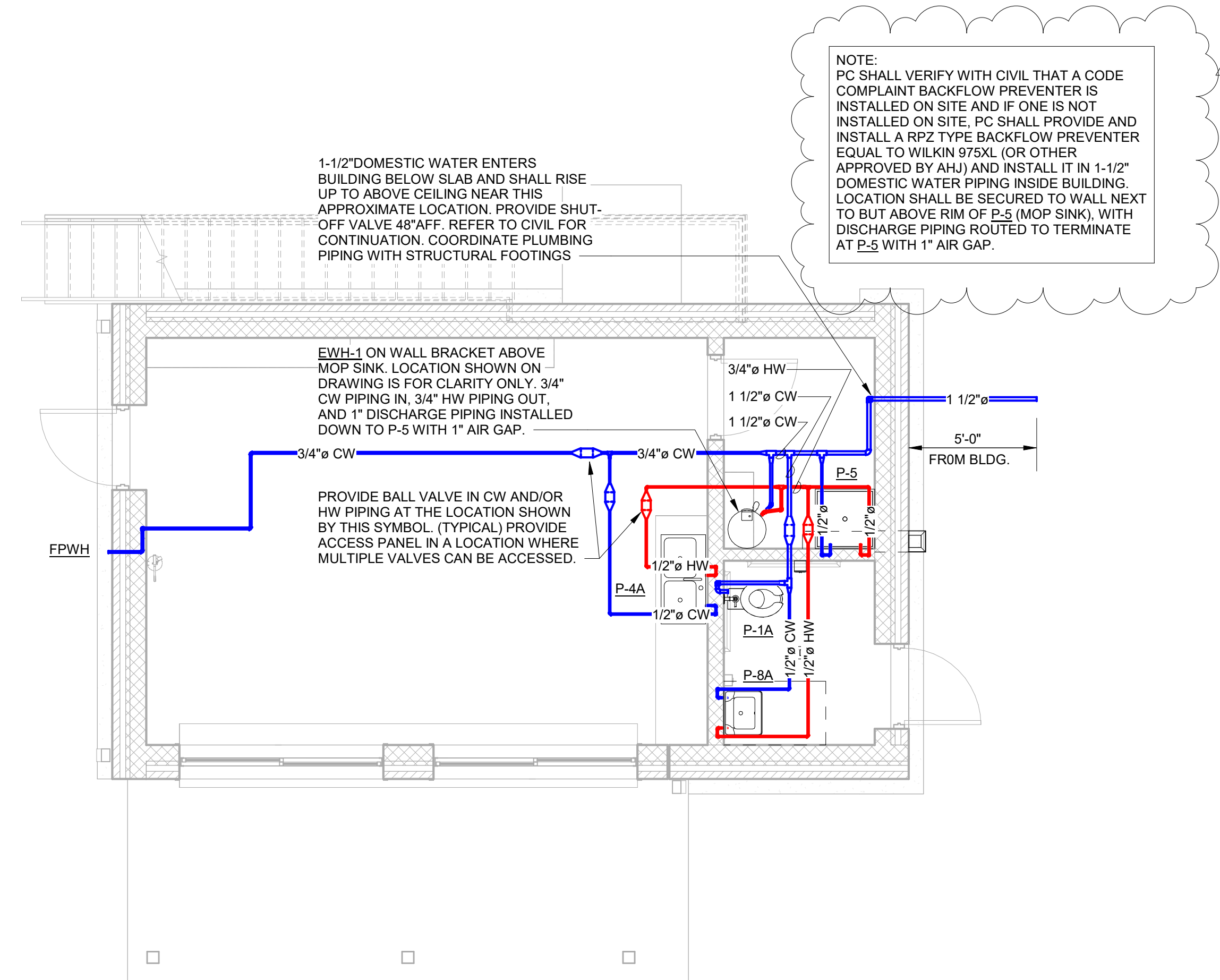
3 PLUMBING UPPER LEVEL PLAN
 1/4" = 1'-0"



5 PLUMBING DOMESTIC WATER RISER



1 PLUMBING SANITARY LOWER LEVEL WASTE PLAN
 1/4" = 1'-0"



2 PLUMBING DOMESTIC WATER LOWER LEVEL PLAN AND NOTES
 1/4" = 1'-0"

NOTE: PC SHALL VERIFY WITH CIVIL THAT A CODE COMPLIANT BACKFLOW PREVENTER IS INSTALLED ON SITE AND IF ONE IS NOT INSTALLED ON SITE, PC SHALL PROVIDE AND INSTALL A RPZ TYPE BACKFLOW PREVENTER EQUAL TO WILKIN 975XL (OR OTHER APPROVED BY AHJ) AND INSTALL IT IN 1-1/2" DOMESTIC WATER PIPING INSIDE BUILDING. LOCATION SHALL BE SECURED TO WALL NEXT TO BUT ABOVE RIM OF P-5 (MOP SINK), WITH DISCHARGE PIPING ROUTED TO TERMINATE AT P-5 WITH 1" AIR GAP.

1-1/2" DOMESTIC WATER ENTERS BUILDING BELOW SLAB AND SHALL RISE UP TO ABOVE CEILING NEAR THIS APPROXIMATE LOCATION. PROVIDE SHUT-OFF VALVE 48" AFF. REFER TO CIVIL FOR CONTINUATION. COORDINATE PLUMBING PIPING WITH STRUCTURAL FOOTINGS

EWH-1 ON WALL BRACKET ABOVE MOP SINK. LOCATION SHOWN ON DRAWING IS FOR CLARITY ONLY. 3/4" CW PIPING IN, 3/4" HW PIPING OUT, AND 1" DISCHARGE PIPING INSTALLED DOWN TO P-5 WITH 1" AIR GAP.
 PROVIDE BALL VALVE IN CW AND/OR HW PIPING AT THE LOCATION SHOWN BY THIS SYMBOL (TYPICAL) PROVIDE ACCESS PANEL IN A LOCATION WHERE MULTIPLE VALVES CAN BE ACCESSED.

FAN SCHEDULE													
UNIT DESIG.	SERVICE	AREA SERVED	MANUFACTURER & MODEL #	FAN TYPE & ARRANGEMENT	CFM	S.P.	RPM	FLA	DRIVE TYPE	ELECTRICAL DATA		CONTROL SCHEME NOTE	ACCESSORIES NOTES
										HP/WATTS	VOLT/PH		
EF-1	EXHAUST	BATHROOM/STORAGE	GREENHECK SP-A110L	CEILING MOUNT W/ LIGHT	70	0.3"	BY MFG	SEE MANF.	DIRECT	16 W	115/1#	A	SEE BELOW
EF-2/3	EXHAUST	CONCESSION	GREENHECK SP-A110	CEILING MOUNT	70	0.3"	BY MFG	SEE MANF.	DIRECT	16 W	115/1#	A	SEE BELOW

NOTES:
 1. INTEGRAL DISCONNECT SWITCH
 2. BACKDRAFT DAMPER
 3. WALL CAP, SEE SHEET M101

CONTROL:
 A. INTERLOCK WITH WALL SWITCH

DUCTLESS SPLIT SYSTEM HEAT PUMP														
UNIT NO.	LOCATION	AREA SERVED	COOLING		POWER SUPPLY	INDOOR UNIT			OUTDOOR UNIT			WEIGHT (LBS.)	MITSUBISHI MODEL NO	NOTES
			RATED CAP BTU/H	ENERGY EFFICIENCY		MCA AMPS	FAN MOTOR FLA	FAN MOTOR OUTPUT WATTS	AIRFLOW CFM	MCA AMPS	FUSE BREAKER AMPS			
SSAH-1	WALL MOUNT	1ST FLOOR	-	-	208V-1#	1	0.33	30	320-425	NOTE 1	NOTE 1	50	PKA-A18H47	SEE BELOW
SSAH-2	WALL MOUNT	2ND FLOOR	-	-	208V-1#	1	0.33	30	320-425	NOTE 1	NOTE 1	50	PKA-A18H47	SEE BELOW
SSHP-1	OUTSIDE	1ST FLOOR	18,000	18.5 SEER	208V-1#	-	0.5	-	-	11	30	150	PUZ-A18NK47	SEE BELOW
SSHP-2	OUTSIDE	2ND FLOOR	18,000	18.5 SEER	208V-1#	-	0.5	-	-	11	30	150	PUZ-A18NK47	SEE BELOW

NOTES:
 1. INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNIT THROUGH FIELD SUPPLIED INTERCONNECTED WIRING.
 2. RATED CONDITIONS (COOLING) INDOOR: DB 73F, OUTDOOR: DB 95F, WB 75F.
 3. LOW AMBIENT FAN CONTROL.
 4. PROVIDE WITH CONDENSATE PUMP PER MANUFACTURER'S RECOMMENDATIONS WITH EMERGENCY UNIT SHUTOFF IF REQUIRED.
 5. PROVIDE WALL MOUNTED THERMOSTAT.
 6. REFRIGERANT PIPING AND CONDENSATE PIPING SHALL BE RUN IN WALLS. NO EXPOSED PIPING ALLOWED.
 7. DISCONNECT SWITCHES BY E.C.

ELECTRIC WALL HEATER SCHEDULE					
TAG	AREA SERVED	MANUFACTURER & MODEL #	HEATING CAP. (KW)	ELECTRICAL DATA	NOTES
WH-1	BATHROOM	MARREL F30212DWB	2.0	208V/1#	SEE BELOW

NOTES:
 1. PROVIDE SURFACE MOUNTING FRAME.
 2. PROVIDE THERMOSTAT INTEGRAL TO UNIT.
 3. INTEGRAL DISCONNECT.
 4. FAN DELAY SWITCH.
 5. UL RATED.
 6. RECESSED IN WALL.

TABLE 403.3A REQUIREMENTS	
1ST FLOOR OPERABLE WINDOW/DOOR AREA	352 SF
WINDOW/DOOR TO FLOOR PERCENTAGE	13.9 %
2ND FLOOR OPERABLE WINDOW/DOOR AREA	317 SF
WINDOW/DOOR TO FLOOR PERCENTAGE	24.3 %

*MINIMUM REQUIRED OPENABLE AREA TO BE 4%.

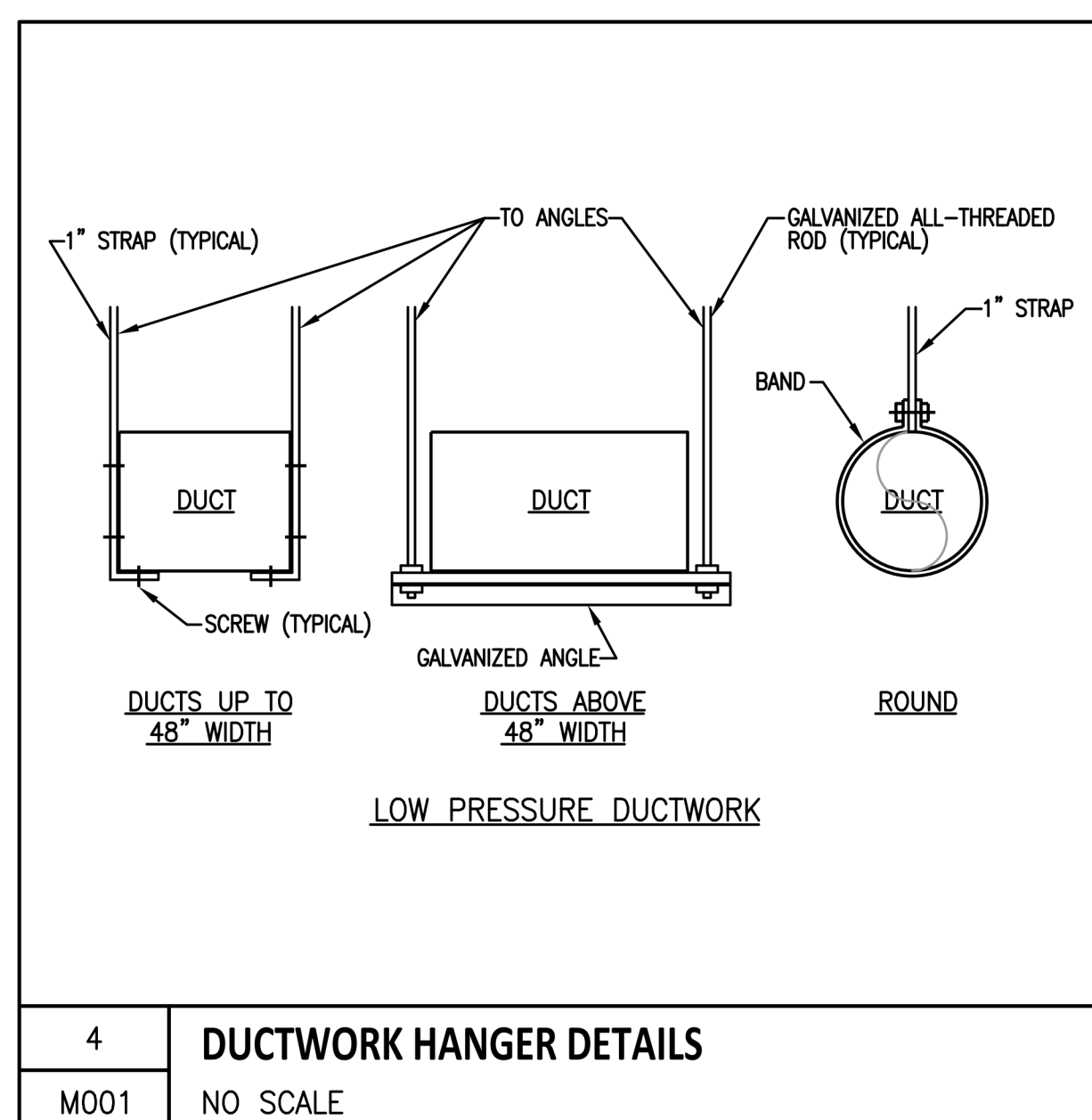
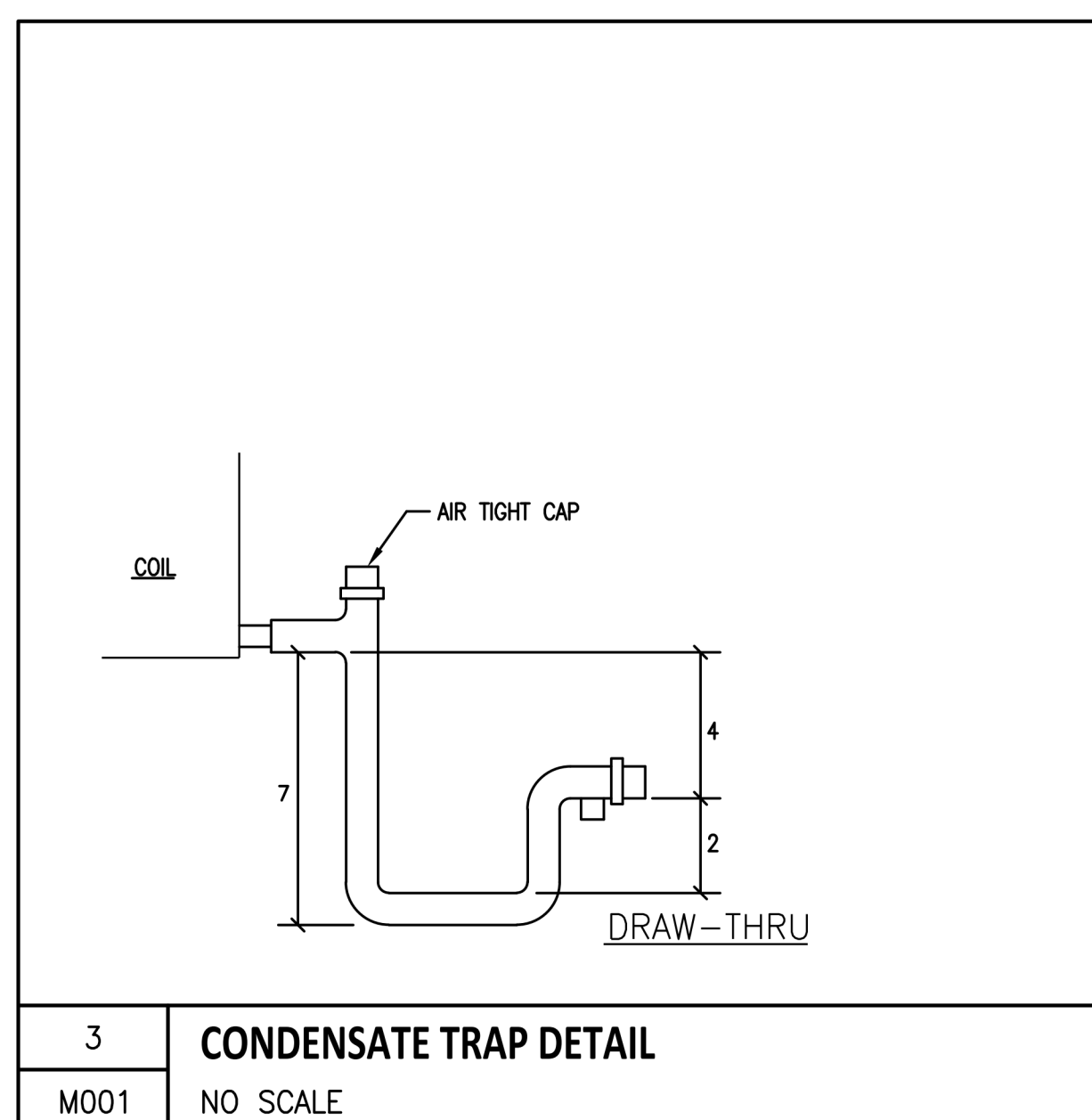
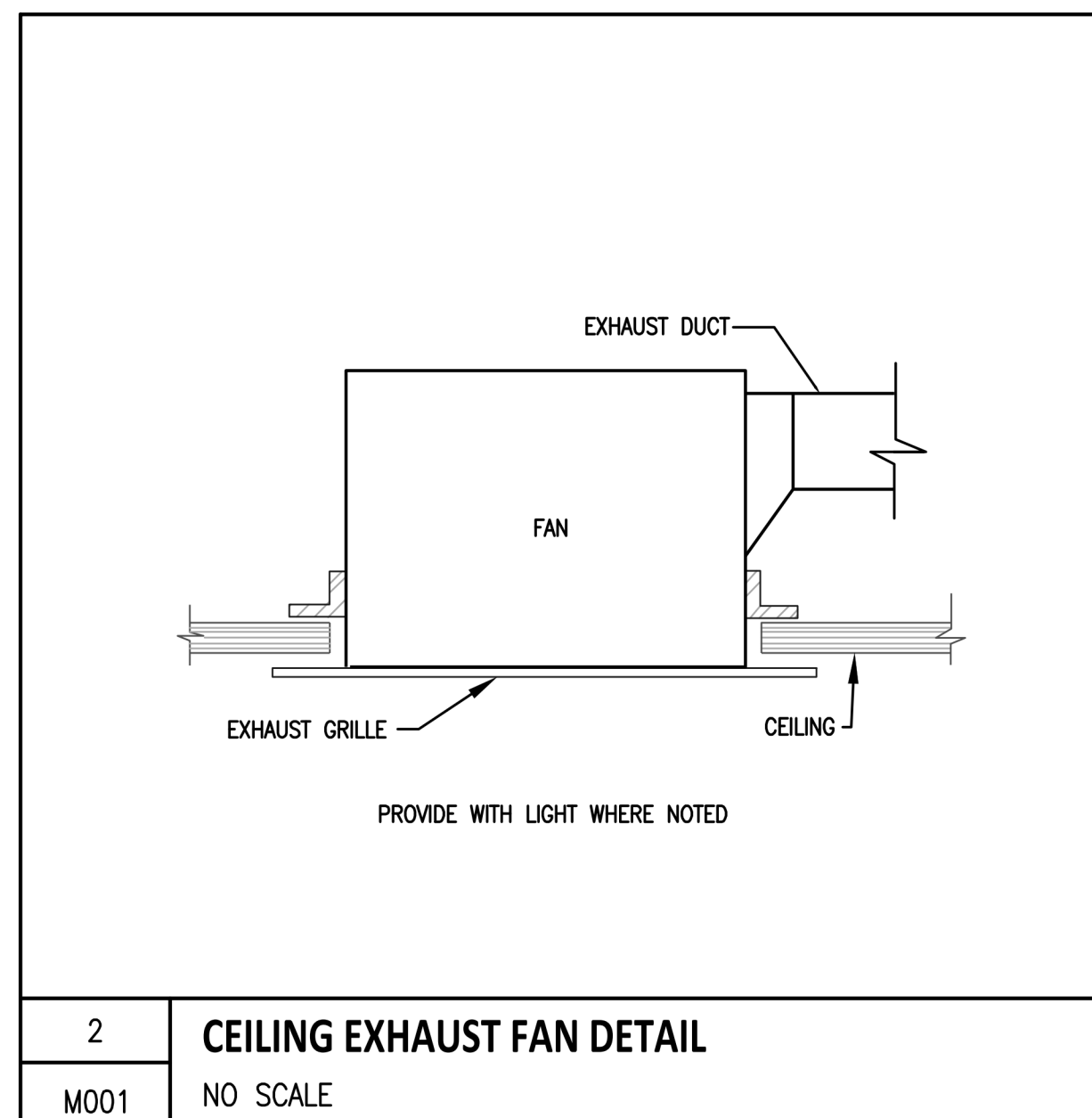
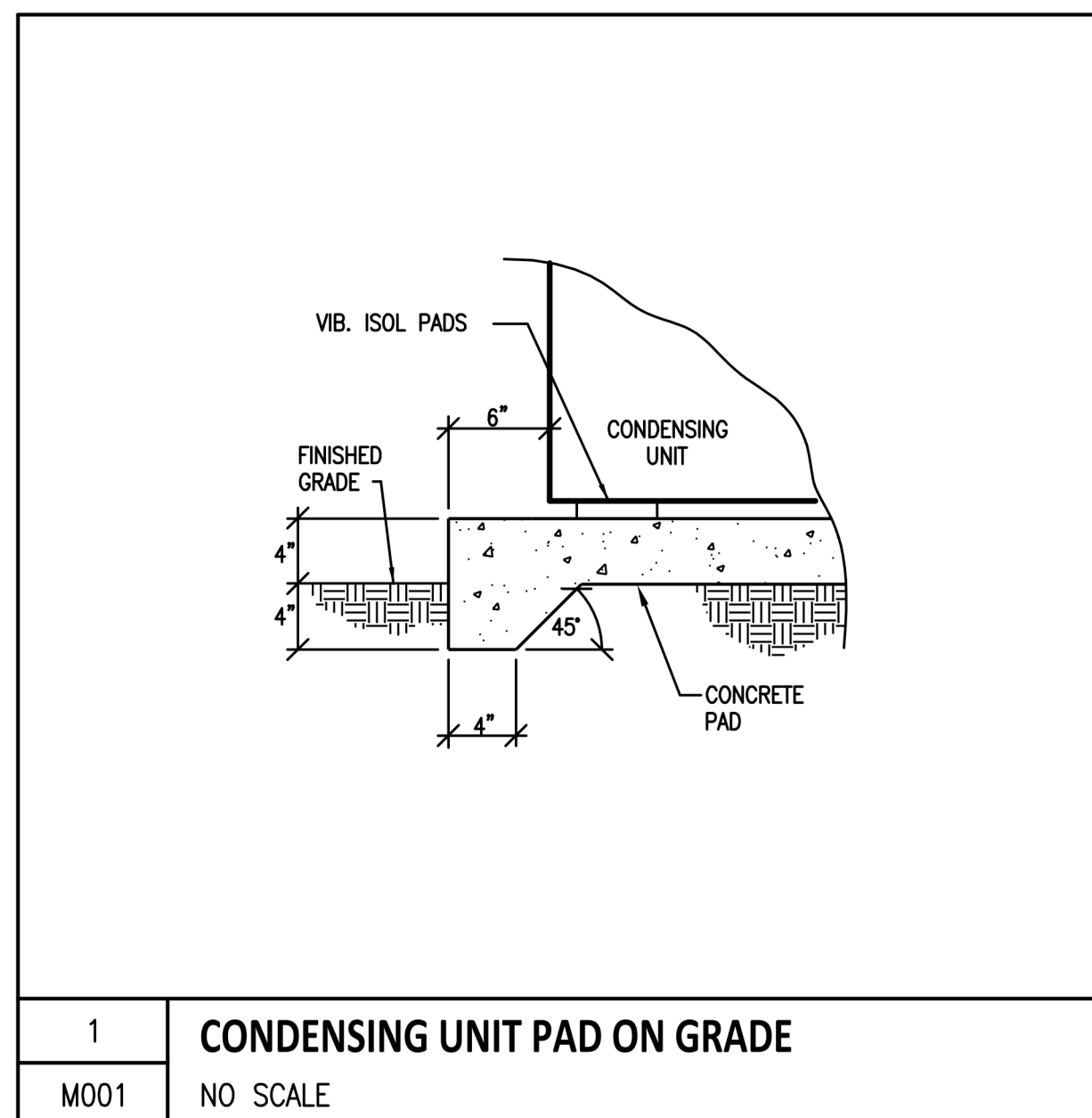
ENERGY REQUIREMENTS:	
MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT	
THERMAL ZONE	4A
EXTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	18.5
SUMMER DRY BULB	94.4
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	70
SUMMER DRY BULB	75
RELATIVE HUMIDITY	50
BUILDING HEATING LOAD	42.8 MBH
BUILDING COOLING LOAD	32.4 MBH
MECHANICAL SPACE CONDITIONING SYSTEM	
UNITARY	SEE SCHEDULES
DESCRIPTION OF UNIT	SEE SCHEDULES
HEATING EFFICIENCY	SEE SCHEDULES
COOLING EFFICIENCY	SEE SCHEDULES
HEAT OUTPUT OF UNIT	SEE SCHEDULES
COOLING OUTPUT OF UNIT	SEE SCHEDULES
BOILER	NA
TOTAL BOILER OUTPUT	NA
CHILLER	NA
TOTAL CHILLER OUTPUT	NA
LIST EQUIPMENT EFFICIENCIES	SEE SCHEDULES
EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)	SEE SCHEDULES
MOTOR HORSEPOWER	SEE SCHEDULES
NUMBER OF PHASES	SEE SCHEDULES
MINIMUM EFFICIENCY	SEE SCHEDULES
MOTOR TYPE	SEE SCHEDULES
NUMBER OF POLES	SEE SCHEDULES

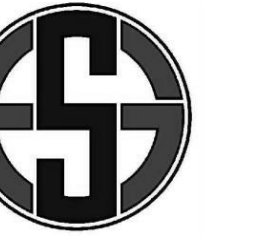
MECHANICAL GENERAL NOTES

- FURNISH ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETE INSTALLATION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH RECOMMENDED PRACTICE AND ALL APPLICABLE CODES.
- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS & REFLECTED CEILING PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC.
- ALL MECHANICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR, EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER. REFRIGERANT COMPRESSORS SHALL BE GUARANTEED FOR FIVE YEARS.
- DRAWINGS ARE DIAGRAMMATIC AND MAY NOT SHOW ALL REQUIRED FITTINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE TYPE, SIZE AND LOCATION OF ALL AIR DEVICES, DUCTWORK, PIPING AND EQUIPMENT WITH THE CEILING PLAN, LIGHTS, STRUCTURAL ELEMENTS AND OTHER TRADES. CONTRACTOR TO FURNISH AND INSTALL ALL BENDS, OFFSETS, ELBOWS, ETC. AS REQUIRED. VERIFY ALL CLEARANCES PRIOR TO FABRICATING DUCTWORK OR ORDERING EQUIPMENT.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING MATERIALS AND INSTALLING THE WORK IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES.
- DUCTWORK
 - ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS WITH A MINIMUM PRESSURE CLASSIFICATION OF 2", SEAL CLASS C, WITH A MAXIMUM LEAKAGE RATE OF 5%.
 - ALL SQUARE ELBOWS SHALL HAVE TURNING VANES. ALL RECTANGULAR ELBOWS SHALL BE LONG RADIUS UNLESS SPACE LIMITATIONS REQUIRE SQUARE ELBOWS.
 - ALL DUCT DIMENSIONS SHOWN ARE INTERIOR CLEAR DIMENSIONS.
 - PROVIDE A MANUAL BALANCING DAMPER AT ALL SUPPLY AND RETURN BRANCH TAKEOFFS.
 - ALL SHEET METAL DUCTWORK SHALL BE LINED WITH DUCT LINER. ALL REMAINING SUPPLY, OUTSIDE AIR AND EXTERIOR DUCTS SHALL BE EITHER INTERNALLY LINED OR EXTERNALLY INSULATED WITH DUCT WRAP. PROVIDE AN ADDITIONAL 1-1/2" OF DUCT WRAP AND AN ALUMINUM JACKET FOR ALL EXTERIOR DUCT.
 - ALL DUCT SYSTEMS ARE TO BE PER U.L. STANDARDS. DUCTS ARE TO BE INSTALLED WITH NO RESTRICTIONS AND AN ABSOLUTE MINIMUM AMOUNT OF AIR LEAKAGE.
 - ALL DUCT INSULATION SHALL BE RUN CONTINUOUSLY THROUGH FLOORS AND PARTITIONS.
- PIPING
 - CONDENSATE DRAINS SHALL BE SCHEDULE 40 PVC OR TYPE L COPPER WITH SOLDERED JOINTS.
 - REFRIGERANT PIPING SHALL BE TYPE ACR WROUGHT COPPER WITH WROUGHT COPPER FITTINGS AND BRAZED JOINTS.
 - THE MECHANICAL CONTRACTOR SHALL PROVIDE REFRIGERANT AND LOW VOLTAGE CONTROL LINES FROM THE CONDENSER TO THE AIR HANDLING UNIT. COORDINATE ROUTING AND INSTALLATION WITH THE GENERAL CONTRACTOR. SIZE REFRIGERANT LINES PER MANUFACTURER'S REQUIREMENTS.
- INSULATION
 - DUCT LINER - FIBROUS GLASS DUCT LINER, MINIMUM 1-1/2" THICK WITH R-VALUE TO MEET LOCAL ENERGY CODE, WITH COATED SURFACE EXPOSED TO AIR STREAM. APPLY WITH MECHANICAL FASTENERS AND 100% COVERAGE OF ADHESIVE.
 - DUCT WRAP - MINERAL FIBER BLANKET, MINIMUM 2" THICK WITH R-VALUE TO MEET LOCAL ENERGY CODE, WITH REINFORCED FOIL AND PAPER VAPOR RETARDANT JACKET. APPLY WITH MECHANICAL FASTENERS AND ADHESIVE.
 - INTERIOR CONDENSATE DRAINS - INSULATE WITH 1/2" THICK FLEXIBLE ELASTOMERIC PIPE INSULATION.
 - REFRIGERANT SUCTION LINES - INSULATE WITH 1" THICK FLEXIBLE ELASTOMERIC PIPE INSULATION. PROVIDE ALUMINUM JACKET FOR EXTERIOR INSULATION.
 - AIR DISTRIBUTION - INSULATE TOP-SIDE AS REQUIRED PER CODE
- ALL PIPING, DUCTS, VENTS, ETC., EXTENDING THROUGH WALLS & ROOF SHALL BE FLASHED & COUNTER-FLASHED IN A WATERPROOF MANNER.
- EXTEND ALL CONDENSATE DRAINS TO JANITORS SINK, FLOOR DRAIN, SPLASH BLOCK OR AS REQUIRED PER CODE. DRAINS FROM AHU'S SHALL BE TRAPPED. SLOPE 1/8" PER FOOT.
- LOCATE ALL THERMOSTATS AND SWITCHES 4'-0" ABOVE FINISHED FLOOR. FURNISH A THERMOSTAT FOR EVERY DEVICE REQUIRING ONE WHETHER SHOWN ON DRAWINGS OR NOT.
- ALL EQUIPMENT SHALL BE INSTALLED PER CODE & MANUFACTURER'S REQUIREMENTS FOR SERVICE AND ACCESS CLEARANCES.
- ALL EQUIPMENT SHALL BE U.L. LISTED.
- MECHANICAL CONTRACTOR SHALL BALANCE SYSTEM TO AIR QUANTITIES INDICATED ON PLANS AND PROVIDE A COMPLETE BALANCING REPORT IN ACCORDANCE WITH NEBB OR AMCA STANDARDS.
- ALL CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR.
- PROVIDE A CLEAN SET OF FILTERS FOR ALL AIR HANDLING EQUIPMENT AT SUBSTANTIAL COMPLETION.
- MAINTAIN A MINIMUM 10'-0" BETWEEN OUTDOOR AIR INTAKES AND EXHAUST FAN DISCHARGE AND PLUMBING VENTS, ETC. FIELD COORDINATE.
- PROVIDE 4" THICK CONCRETE PAD FOR ALL GROUND MOUNTED OUTDOOR HVAC UNITS. PADS SHALL BE MINIMUM 6" LARGER THAN UNIT ON ALL SIDES.
- RUN DUCT UP WITHIN STRUCTURE OR THROUGH JOIST WEBS WHERE POSSIBLE & WHERE REQUIRED TO MAINTAIN CEILING HEIGHTS. PROVIDE OFFSETS IN DUCT WHERE REQ'D WITH MAX. 45° ELBOWS. MAKE BRANCH TAPS OFF TOP, SIDES OR BOTTOM AS REQ'D. NO BACK TO BACK 90° ELBOWS ALLOWED.
- REFRIGERANT PIPING SHALL BE SIZED & INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
- ALL EQUIPMENT SHALL BE LABELED ACCORDING TO NUMBERING / IDENTIFICATION SYSTEM PER PLANS.
- ALL EQUIPMENT SUPPORT IS REQUIRED TO MEET 1621 NCSBC.
- ON MAKING PIPE CONNECTIONS TO EQUIPMENT, CARE SHOULD BE TAKEN TO ARRANGE PIPES SO AS NOT TO INTERFERE WITH OPENING OF ACCESS DOORS.
- ELECTRICAL CONTRACTOR TO PROVIDE ALL HIGH VOLTAGE ELECTRICAL WIRING, CONDUIT, DISCONNECT SWITCHES, FUSES, ETC. TO CONDENSING UNITS AND AIR HANDLERS. ALL FINAL ELECTRICAL CONNECTIONS ARE BY ELECTRICAL CONTRACTOR.
- PRIOR TO BEGINNING ANY WORK, MECHANICAL CONTRACTOR IS RESPONSIBLE TO NOTIFY THE OWNER'S REPRESENTATIVE, ARCHITECT OR ENGINEER IF THE MECHANICAL DESIGN CONFLICTS WITH EXISTING OR UNFORESEEN FIELD CONDITIONS.

MECHANICAL LEGEND			
	CEILING SUPPLY AIR DIFFUSER	PU	PACKAGED UNIT
	CEILING RETURN AIR DIFFUSER	CFM	CUBIC FEET PER MINUTE
	CEILING EXHAUST FAN	AFF	ABOVE FINISHED FLOOR
	THERMOSTAT / UNIT CONTROL	EER	ENERGY EFFICIENCY RATIO
	CO2 SENSOR	SP	STATIC PRESSURE
	NEW ROUND METAL DUCT	+	DOOR UNDER CUT 3/4"
	NEW ROUND FLEX DUCT	⊙	DUCT SMOKE DETECTOR
	DUCT ELBOW W/ TURNING VANES	(X)	EXISTING
	CONNECT TO EXISTING	FD	NEW FIRE DAMPER
	POINT OF DISCONNECT	V.D.	VOLUME DAMPER
	NEW TRANSFER GRILLE	>>>	TURNING VANES

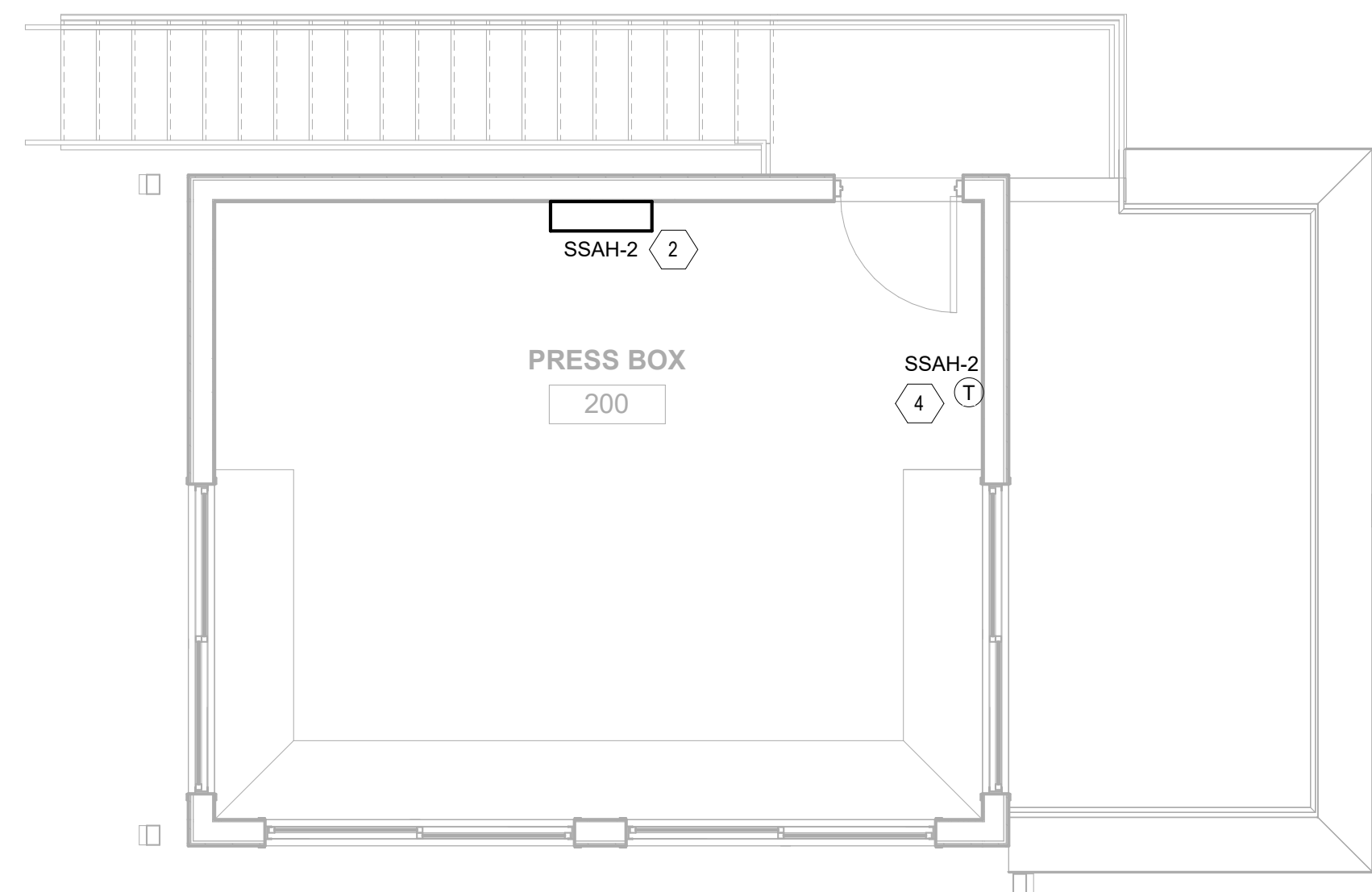
MECHANICAL SHEET INDEX	
M001	MECHANICAL LEGEND, NOTES, SCHEDULES AND DETAILS
M101	MECHANICAL FLOOR PLANS



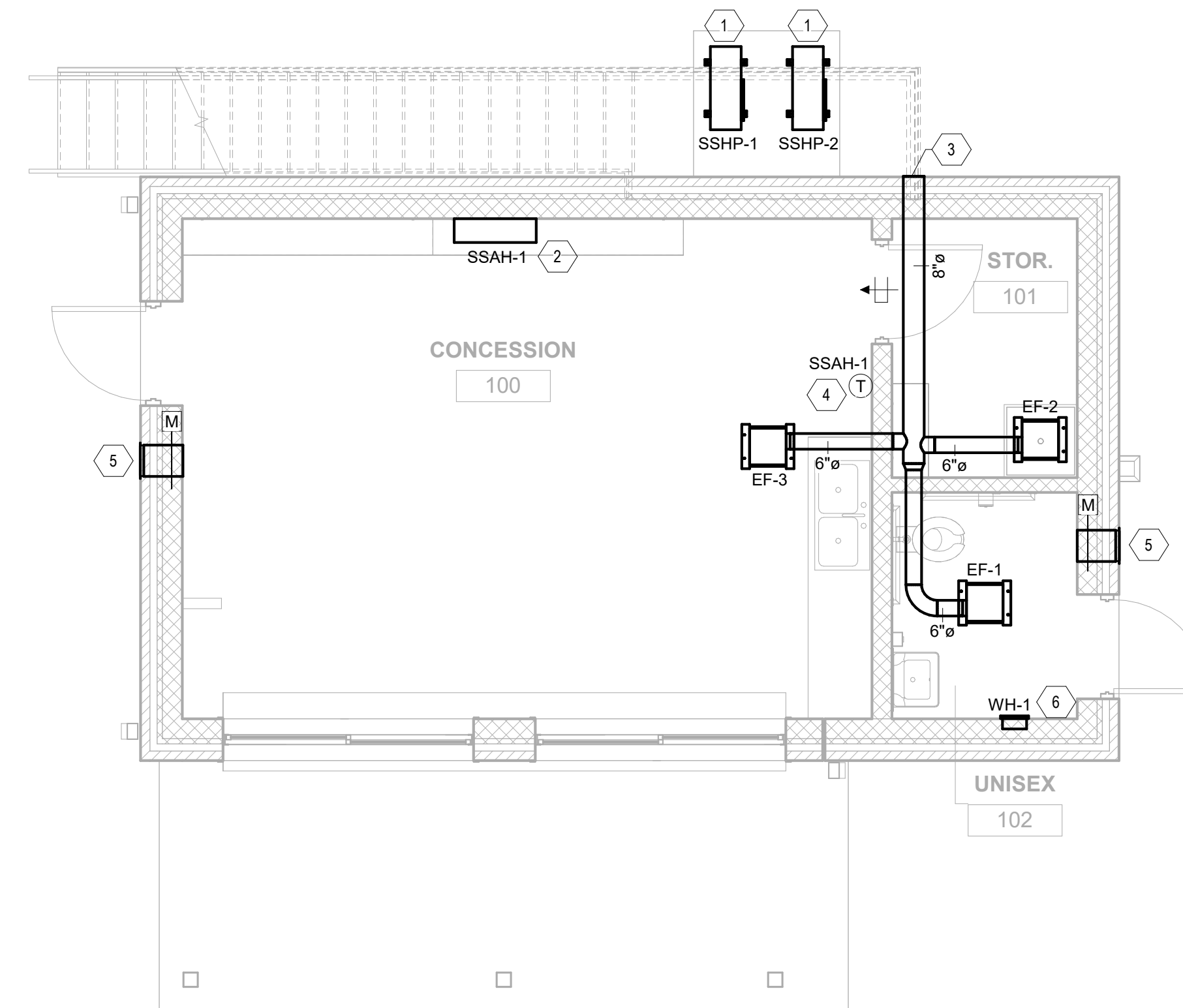


KEYNOTES

- 1 ROUTE REFRIGERANT LINES UP IN EXTERIOR WALL AND OVER TO RESPECTIVE AHU. COORDINATE EXACT PLACEMENT OF UNITS AND PIPE ROUTING WITH OWNER PRIOR TO PRICING AND INSTALLATION.
- 2 ROUTE CONDENSATE TO EXTERIOR AND PROVIDE SPLASH BLOCK. COORDINATE EXACT PLACEMENT OF UNITS AND PIPE ROUTING WITH OWNER PRIOR TO PRICING AND INSTALLATION.
- 3 ROUTE 8"Ø EXHAUST AIR DUCT TO EXTERIOR. PROVIDE A LOUVERED WALL CAP. COORDINATE FINISH WITH ARCHITECT/OWNER PRIOR TO ORDERING. PROVIDE WITH BIRDSCREEN. MAINTAIN A MINIMUM OF 10'-0" FROM INTAKE OPENINGS.
- 4 COORDINATE LOCATION OF THERMOSTATS WITH ARCHITECT/OWNER.
- 5 PROVIDE 12"x12" RUSKIN ELF6375DFL EXHAUST LOUVER IN WALL. PROVIDE WELDED CONSTRUCTION AND ALUMINUM BIRDSCREEN. MOUNT BOTTOM OF LOUVER 1'-6" ABOVE FINISHED FLOOR. MAINTAIN A MINIMUM OF 10'-0" FROM EXHAUST TERMINATIONS. PROVIDE WITH MOTORIZED DAMPER AND INTERLOCK WITH EXHAUST FAN OPERATION. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO PRICING AND INSTALLATION.
- 6 MOUNT BOTTOM OF WALL HEATER 1'-6" ABOVE FINISHED FLOOR.



2 MECHANICAL SECOND FLOOR PLAN
1/4" = 1'-0"



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

ELECTRICAL SPECIFICATIONS

SECTION 26100 ELECTRICAL SYSTEMS DESCRIPTIONS

- A. PROJECT INCLUDES 1. ELECTRICAL SYSTEMS FOR THE FOLLOWING APPLICATIONS: REFER TO INDIVIDUAL SPECIFICATION SECTIONS FOLLOWING FOR DETAILED REQUIREMENTS. a. POWER AND DISTRIBUTION. b. LIGHTING, INCLUDING EXIT AND EMERGENCY LIGHTING. c. TELEPHONE. d. POWER CONNECTIONS FOR HVAC, PLUMBING AND OWNER-PROVIDED EQUIPMENT.

- B. PRODUCTS 1. SYSTEMS, PRODUCTS, AND STANDARDS ARE LISTED IN INDIVIDUAL SPECIFICATION SECTIONS WHICH FOLLOW. 2. ALL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE NEW AND LABEL LISTED BY AN APPROVED THIRD PARTY TESTING AGENCY APPROVED BY THIS STATE.

- C. GENERAL PROJECT REQUIREMENTS 1. PROVIDE ALL WORK AND MATERIALS FOR THE INSTALLATION OF COMPLETE WIRING SYSTEMS AS SPECIFIED HEREIN AND SHOWN ON THE DRAWINGS. 2. ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR. 3. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER. 4. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT ADOPTED VERSION OF THE N.E.C.A., NATIONAL ELECTRICAL CODE (N.E.C.), AND ALL APPLICABLE STATE AND LOCAL CODES.

- B. PRODUCTS 1. WIRING METHODS: a. CONCEALED OR EXPOSED INDOOR WIRING: ZINC-COATED ELECTRICAL METALLIC TUBING FOR SIZES 1/2" THROUGH 4", INTERMEDIATE STEEL CONDUIT FOR SIZES LARGER THAN 4". b. EXPOSED OUTDOOR WIRING: RIGID OR INTERMEDIATE STEEL CONDUIT. c. CONCEALED OUTDOOR WIRING: INTERMEDIATE STEEL CONDUIT OR SCHEDULE 80 OR 40 PVC. d. UNDERGROUND WIRING, SINGLE RUN: SCHEDULE 80 OR 40 PVC. e. UNDERGROUND WIRING, GROUPED: SCHEDULE 80 OR 40 PVC. f. CONNECTION TO EQUIPMENT: FLEXIBLE METAL CONDUIT, LIQUIDTIGHT AT EXTERIOR OR IN DAMP LOCATIONS. 2. FITTINGS FOR ELECTRICAL METALLIC TUBING SHALL BE HEXAGONAL GALVANIZED STEEL, GLAND TYPE, COMPRESSION TYPE AND THREADLESS.

- C. EXECUTION 1. PROPERLY SUPPORT ALL CONDUITS WITH STRAPS AND CLAMPS PER THE MOST RECENT, ADOPTED EDITIONS OF THE N.E.C.A. AND STATE BUILDING CODE. RUN ALL CONDUITS PARALLEL OR PERPENDICULAR TO BUILDING WALLS/SURFACES. 2. MINIMUM CONDUIT SIZE ABOVE SLAB/GRADE SHALL BE 1/2". MINIMUM CONDUIT SIZE IN OR BELOW FLOOR SLAB SHALL BE 3/4". 3. RACEWAY PENETRATIONS THROUGH FLOOR SLABS AND FIRE-RATED WALLS SHALL BE FILLED WITH IMPERVIOUS, NON-SHRINK GROUT SUFFICIENTLY TIGHT TO PREVENT THE TRANSFER OF SMOKE, FIRE, WATER, AND DUST. ROOF PENETRATIONS SHALL BE WITHIN THE EQUIPMENT CURB. 4. CONDUITS INSTALLED UNDERGROUND OR IN CONCRETE SHALL HAVE JOINTS MADE WATER-TIGHT BY USING A POLYETHERA-FLUOROETHYLENE TAPE. ALL METALLIC UNDERGROUND CONDUITS SHALL BE THOROUGHLY COATED WITH TWO COATS OF ASPHALTUM OR BITUMASTIC. 5. PROVIDE PULLWIRE IN ALL EMPTY CONDUITS.

SECTION 26055 INTERIOR AND EXTERIOR LIGHTING

- A. PROJECT INCLUDES 6327 INTERIOR AND EXTERIOR LIGHTING FIXTURES, LAMPS, BALLASTS, EMERGENCY LIGHTING UNITS, EXIT SIGNS AND ACCESSORIES. B. PRODUCTS 1. INTERIOR AND EXTERIOR LIGHTING COMPONENTS (SEE "LIGHT FIXTURE SCHEDULE"). a. EXIT SIGNS: L.E.D., SELF-POWERED N-CAD BATTERY TYPE. b. EMERGENCY LIGHTING UNITS: INTEGRAL, N-CAD BATTERY, L.E.D. LAMPS. c. ACRYLIC LENS: 4-12, 125" MINIMUM. d. L.E.D. LAMPS SHALL BE MINIMUM OF 85 CR, 3500 KELVIN IN INTERIOR LIGHT FIXTURES AND 5000 KELVIN IN EXTERIOR LIGHT FIXTURES, UNLESS NOTED OTHERWISE ON LIGHT FIXTURE SCHEDULE.

- C. EXECUTION 1. COORDINATE LIGHT FIXTURE MOUNTING METHODS WITH ARCHITECTURAL FINISHES. 2. COORDINATE LIGHT FIXTURE VOLTAGE WITH VOLTAGE OF LIGHTING CIRCUIT SERVING LIGHT FIXTURE. 3. IN COMPLIANCE WITH THE ENERGY CONSERVATION CODE, ALL RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE: IC-RATED AND LABELED FOR MEETING ASIM E 203. THESE FIXTURES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE HOUSING AND THE INTERIOR WALL OR CEILING COVERING.

SECTION 26072 TELEPHONE/DATA/CATV SYSTEMS

- A. PROJECT INCLUDES 1. WIRING DEVICES FOR ELECTRICAL SERVICE. B. PRODUCTS 1. WIRING DEVICES AND COMPONENTS: a. RECEPTACLES: 20-AMP DUPLEX (HUBBELL #5362, OR APPROVED EQUIVALENT). b. GROUND-FAULT INTERRUPTER (GFI) RECEPTACLES: FEED-THRU TYPE GROUND-FAULT CIRCUIT INTERRUPTER WITH INTEGRAL DUPLEX RECEPTACLES (HUBBELL #6F-5353, OR APPROVED EQUIVALENT). c. PLUGS AND PLUG CONNECTOR: AS SPECIFIED ON DRAWINGS. d. SNAP SWITCHES: SINGLE-POLE, 20 AMPERE (HUBBELL #1221, OR APPROVED EQUIVALENT); THREE-WAY, 20 AMPERE (HUBBELL #1223, OR APPROVED EQUIVALENT). e. WALL PLATES: SINGLE AND COMBINATION TYPES, 302 BRUSHED STAINLESS STEEL, UNLESS OTHERWISE NOTED ON DRAWINGS. f. COLOR OF ALL DEVICES AND COVERPLATES TO BE GRAY, UNLESS OTHERWISE NOTED ON DRAWINGS. C. EXECUTION 1. DUPLEX RECEPTACLES SHALL BE 20-AMP. 2. DEVICE/OUTLET BOXES SHALL NOT BE MOUNTED BACK-TO-BACK IN WALLS. 3. WEATHERPROOF COVERS SHALL PROTECT THE OUTLET WHILE IN USE, EQUIPMENT TO LEVITON #W6999. COVERS SHALL BE EXTRA DEEP, METALLIC WITH OUTLET INCLUDED IN HORIZONTAL ORIENTATION. 4. PROVIDE ALL OUTLETS (INCLUDING TELEPHONE) WITH APPROPRIATE COVERPLATES.

SECTION 26100 SERVICE AND DISTRIBUTION

- A. PROJECT MAY INCLUDE 1. ELECTRICAL SERVICE AND DISTRIBUTION INCLUDING SERVICE ENTRANCE, GROUNDING, PANELBOARDS, OVERCURRENT PROTECTIVE DEVICES, AND DISCONNECT SWITCHES. B. PRODUCTS 1. GROUNDING: a. GROUNDING EQUIPMENT: COPPER CONDUCTORS, N.E.C. APPROVED CONNECTORS. b. GROUNDING ELECTRODES: COPPER-CLAD STEEL GROUND RODS. c. GROUNDING SYSTEM: SHALL COMPLY WITH N.E.C. ARTICLE 250. d. SERVICE GROUND IMPEDANCE SHALL BE MEASURED, AND SHALL BE 5 OHMS OR LESS. IF UPON MEASUREMENT, SERVICE GROUND READING EXCEEDS 5 OHMS, THEN ADDITIONAL GROUND RODS SHALL BE DRIVEN TO REDUCE READING TO 5 OHMS OR LESS. NOTIFY ENGINEER OF FINAL SERVICE GROUND MEASUREMENT. 2. PANELBOARDS: a. PANELBOARDS: WITH OVERCURRENT PROTECTIVE DEVICES, DEAD-FRONT SAFETY ENCLOSURE SUITABLE FOR USE (20" WIDE MINIMUM WITH 4" WIRING GUTTERS AT TOP, SIDES, AND BOTTOM), COPPER BUS, MECHANICAL TYPE MAIN AND NEUTRAL LUGS. b. PANELBOARD TYPE: LIGHTING AND APPLIANCE BRANCH CIRCUIT PANELBOARDS, BOLT ON CIRCUIT BREAKERS. c. SERIES RATING IS NOT ALLOWED FOR ALL NEW PANELBOARDS, CIRCUIT BREAKERS AND DEVICES. d. ACCEPTABLE MANUFACTURERS: SQUARE D, SIEMENS, G.E. OR

SECTION 26033 RACEWAYS AND BOXES

- A. PROJECT INCLUDES 1. ELECTRICAL CONDUIT, TUBING, SURFACE RACEWAYS, BOXES, AND CABINETS FOR ELECTRICAL POWER AND SIGNAL DISTRIBUTION.

- C. EXECUTION 1. ALL MULTI-CIRCUIT HOMERUNS SHALL BE PROTECTED WITH A MULTI-POLE, SIMULTANEOUS-TRIP CIRCUIT BREAKER PER N.E.C. 210-4B. 2. ALL TERMINATION'S ON ELECTRICAL GEAR/EQUIPMENT (i.e. PANELBOARDS, DISCONNECT SWITCHES, ETC.) SHALL HAVE DUAL RATED 60-DEGREE / 75-DEGREE LUGS/TERMINALS.

SECTION 26000 CUTLER-HAMMER

- 3. DISCONNECT SWITCHES: Heavy-duty type. a. NEMA 1 ENCLOSURE - INDOORS, NEMA 3R ENCLOSURE - OUTDOORS AND WET AREAS. b. FIRED OR NON-FIRED AS INDICATED ON DRAWINGS. c. FIRED SWITCHES SHALL HAVE REJECTION-TYPE FUSE CLIPS. d. ALL DISCONNECTS SHALL BE HEAVY-DUTY RATED, AND SHALL HAVE A MECHANICAL INTERLOCK TO PREVENT THE DOOR FROM BEING OPENED, WITHOUT DEFEATING THE INTERLOCK, THE MECHANICAL INTERLOCK SHALL ALSO PREVENT ACTUATING THE SWITCH WHEN THE DOOR IS OPEN. THE MECHANICAL INTERLOCK SHALL BE DE-FEASIBLE BY A SPECIAL TOOL, AND SHALL BE U.L. LISTED AS PART OF THE DISCONNECT. e. ACCEPTABLE MANUFACTURERS: SQUARE D, SIEMENS, G.E. OR CUTLER-HAMMER.

SECTION 26000 OVERCURRENT PROTECTIVE DEVICES

- a. OVERCURRENT PROTECTIVE DEVICES: INTEGRAL TO PANELBOARDS. b. FUSIBLE SWITCHES: RATING AS INDICATED ON DRAWINGS AND SUITABLE FOR USE. c. MOLDED CASE CIRCUIT BREAKERS: BOLT-ON TYPE, AUTOMATIC THERMAL MAGNETIC TYPE CALIBRATED FOR 40-DEGREE C, OR AMBIENT COMPENSATION. d. ACCEPTABLE MANUFACTURERS: BUSSMAN, GOSLD SHAWMUT OR LITLLE FUSE.

SECTION 26000 OVERCURRENT PROTECTIVE DEVICES

- a. OVERCURRENT PROTECTIVE DEVICES: INTEGRAL TO PANELBOARDS. b. FUSIBLE SWITCHES: RATING AS INDICATED ON DRAWINGS AND SUITABLE FOR USE. c. MOLDED CASE CIRCUIT BREAKERS: BOLT-ON TYPE, AUTOMATIC THERMAL MAGNETIC TYPE CALIBRATED FOR 40-DEGREE C, OR AMBIENT COMPENSATION. d. ACCEPTABLE MANUFACTURERS: BUSSMAN, GOSLD SHAWMUT OR LITLLE FUSE.

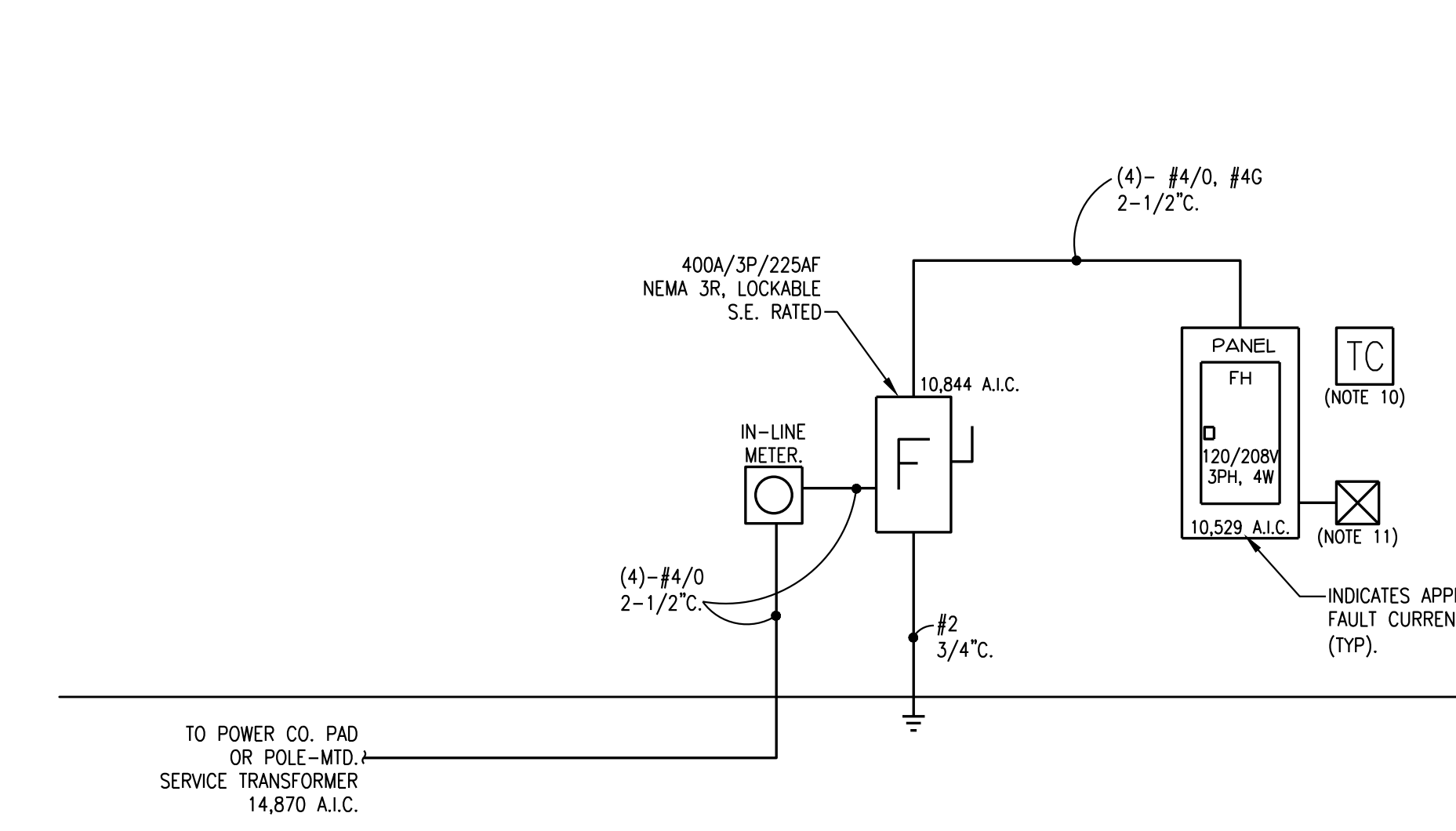
SECTION 26000 OVERCURRENT PROTECTIVE DEVICES

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ELECTRICAL SYMBOL SCHEDULE

Table with 2 columns: SYMBOL and DESCRIPTION. Symbols include lines for conduit (concealed in ceiling, floor, or surface), arrows for circuit home runs, circles for junction boxes, and various electrical symbols for duplex receptacles, switches, and lighting fixtures.

Table with 2 columns: SYMBOL and DESCRIPTION. Symbols include a square with an 'S' for a single pole switch, a square with 'S3' for a three-way switch, a square with 'Swp' for a weatherproof switch, a square with 'Soc' for a sensor, a square with 'L' for LED lighting, and a square with 'EXIT' for an exit sign.



1 POWER RISER DIAGRAM NTS

- POWER RISER DIAGRAM NOTES: 1. ALL NEW WIRE SHALL BE THHN/THWN COPPER. 2. SERIES RATING OF NEW EQUIPMENT IS NOT ALLOWED. 3. ALL NEW MULTI-CIRCUIT HOMERUNS SHALL BE PROTECTED WITH A MULTI-POLE, SIMULTANEOUS-TRIP CIRCUIT BREAKER PER N.E.C. 210.4B. 4. A.I.C. RATINGS SHOWN ON PANELBOARD SCHEDULES ARE THE MINIMUM ALLOWED RATINGS. A.I.C. RATINGS OF ALL NEW PANELBOARDS SHALL EQUAL OR EXCEED THE FAULT CURRENT INDICATED ON THE RISER DIAGRAM OR PANELBOARD SCHEDULES.

- EXISTING CONDITIONS WERE DETERMINED FROM LIMITED SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY IRRECONCILABLE CONFLICTS. 11. PROVIDE AND INSTALL SURGE PROTECTION ON THE MAIN SERVICE/PANELBOARD MDP. S.P.D. SHALL HAVE THE FOLLOWING MINIMUM CHARACTERISTICS FOR A 208V/3-PHASE SYSTEM: A. U.L. 1449 (4TH EDITION) AND U.L. 1283 COMPLIANT. B. LED STATUS LIGHTS AND AUDIBLE ALARM. C. MINIMUM OF 10 YEAR MANUFACTURER'S WARRANTY. D. PEAK SINGLE-IMPULSE SURGE CURRENT RATING: 250KA PER PHASE. E. MOV: 115% OF NOMINAL SYSTEM VOLTAGE OR GREATER. F. VPR: VOLTAGE PROTECTION RATING: 600 - L-N, N-G; 800 - L-G; 1000 - L-L.

ELECTRICAL SHEET LIST

Table with 2 columns: ID and Description. E001 ELECTRICAL SPECIFICATIONS, LEGEND AND DIAGRAMS; E002 ELECTRICAL SCHEDULES; E101 ELECTRICAL FLOOR PLANS

E001

EQUIPMENT SCHEDULE																	
CONNECTION DESIGNATION	LOAD DESCRIPTION	VOLTS/P H	LOAD INFORMATION					DISCONNECT INFORMATION					CONNECTION NOTES	CONNECTION DESIGNATION			
			HP	LOAD	FLA	MCA	MOCP	FURN. BY	INSTALLED BY	TYPE	SWITCH RATING	POLE			FUSE OR TRIP RATING	NEMA ENCL TYPE	CIRCUIT ID
EF-1	EXHAUST FAN	120/1	-	0.1 KVA				EQ. MFR.	EQ. MFR.	-	-	1	-	-	FH-2	NOTES 1 AND 3	EF-1
EF-2	EXHAUST FAN	120/1	-	0.1 KVA				EQ. MFR.	EQ. MFR.	-	-	1	-	-	FH-4	NOTES 1 AND 3	EF-2
EF-3	EXHAUST FAN	120/1	-	0.1 KVA				EQ. MFR.	EQ. MFR.	-	-	1	-	-	FH-6	NOTES 1 AND 3	EF-3
EW-1	ELEC. WATER HEATER	208/1	-	4.5 KVA				ELEC. CNTR.	ELEC. CNTR.	NON-FUSED	60	2	-	1	FH-8	NOTES 2 AND 3	EW-1
SSAH-1	AR HANDLING UNIT	208/1	-	0.2 KVA	1	15		EQ. MFR.	EQ. MFR.	-	-	-	-	-	-	NOTES 2 AND 3	SSAH-1
SSAH-2	AR HANDLING UNIT	208/1	-	0.2 KVA	1	15		EQ. MFR.	EQ. MFR.	-	-	-	-	-	-	NOTES 2 AND 3	SSAH-2
SSH-1	HEAT PUMP	208/1	-	2.3 KVA	11	30		ELEC. CNTR.	ELEC. CNTR.	FUSED	30	2	F.P.N.	3R	FH-12	NOTES 2 AND 3	SSH-1
SSH-2	HEAT PUMP	208/1	-	2.3 KVA	11	30		ELEC. CNTR.	ELEC. CNTR.	FUSED	30	2	F.P.N.	3R	FH-16	NOTES 2 AND 3	SSH-2
WH-1	WALL HEATER	208/1	-	2.0 KVA				EQ. MFR.	EQ. MFR.	-	-	2	-	-	FH-20	NOTES 1 AND 3	WH-1
SP-1	SANITARY PUMP	120/1	(2) - 1HP	3.8 KVA				EQ. MFR.	EQ. MFR.	-	-	-	-	-	FH-24	NOTES 3 AND 4	SP-1

NOTES:
1 WIRE TO LINE-SIDE OF INTEGRAL, N.E.C.-COMPLIANT DISCONNECT SWITCH PROVIDED WITH UNIT.
2 POWER FOR INDOOR AIR HANDLING UNIT IS FED FROM RESPECTIVE OUTDOOR CONDENSING UNIT. EXTEND POWER CIRCUIT FROM CONDENSING UNIT TO LINE-SIDE OF INTEGRAL, N.E.C.-COMPLIANT DISCONNECT SWITCH PROVIDED IN AIR HANDLING UNIT BY MANUFACTURER. FIELD VERIFY CONNECTIONS TO EQUIPMENT WITH MECH. CONTRACTOR PRIOR TO ROUGH-IN.
3 COORD WITH MECH/PLUMB CONTRACTORS AND OTHER EQUIPMENT VENDORS/INSTALLERS TO ENSURE OVERCURRENT PROTECTION DEVICES AND ASSOCIATED CIRCUIT FOR EQUIP B SIZED PER MFGRS RECOMMENDATIONS. ANY CHANGES REQUIRED SHALL BE MADE PRIOR TO ORDERING MATERIALS AND WILL BE INSTALLED AT THE COST OF THE PERSON AND/OR COMPANY MAKING THE CHANGES.
4 DISCONNECT SWITCH FOR SANITARY PUMP TO BE PROVIDED AND INSTALLED BY MANUFACTURER. ELECTRICAL CONTRACTOR IS TO WIRE THE CIRCUIT TO THE LINE SIDE OF THE PUMP STATION CONTROL PANEL.

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL
COMMERCIAL PROJECTS (ELECTRICAL DESIGN)

ELECTRICAL SYSTEM AND EQUIPMENT

METHOD OF COMPLIANCE
ENERGY CODE: PRESCRIPTIVE PERFORMANCE
ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE

LIGHTING SCHEDULE

LAMP TYPE REQUIRED IN FIXTURE
NUMBER OF LAMPS IN FIXTURE
BALLAST TYPE USED IN FIXTURE
NUMBER OF BALLASTS IN FIXTURE
TOTAL WATTAGE PER FIXTURE
TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED (TRADABLE)
TOTAL EXTERIOR WATTAGE SPECIFIED VS. ALLOWED (NON-TRADABLE)

SEE LIGHT FIXTURE SCHEDULE
0.293KW vs. 0.595KW
0.500KW vs. 1.038KW
N/A

ADDITIONAL EFFICIENCY PACKAGE OPTIONS

- C406.2 MORE EFFICIENT HVAC EQUIPMENT PERFORMANCE
- C406.3 REDUCED LIGHTING POWER DENSITY
- C406.4 ENHANCED DIGITAL LIGHTING CONTROLS
- C406.5 ON-SITE RENEWABLE ENERGY
- C406.6 DEDICATED OUTDOOR AIR SYSTEM
- C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATING

LIGHT FIXTURE SCHEDULE												
DESCRIPTION	MANUFACTURER	CATALOG SERIES	LAMP INFO	NO.	TYPE	BALLAST TYPE	NA	NOTE(S)	MOUNT AT 8'-0" TYPE 1	TOTAL FIXT. WATTAGE	EQUIVALENT MANUFACTURER	CATALOG SERIES
EMERGENCY BATTERY PACK LIGHT FIXTURE, POLYCARBONATE HOUSING WITH WHITE FINISH, (2)-LIGHT HEADS, INTEGRAL BATTERY.	STONOCO	LYTEPRO	5232LUM/40K		LED					65	SEE LIST BELOW	
LIGHTALARMS	SURE-LITES	SEL50 SERIES								4.0		
DUAL LITES		EZ-2 SERIES								4.0		
CHLORIDE		CTX6 SERIES								4.0		
CEILING MOUNTED COMBINATION LIGHT FIXTURE WITH EXHAUST FAN SEE EQUIPMENT SCHEDULE ABOVE	GREENHECK	SP-A110L								16		
ARCHITECTURAL LED WALL SCONCE, TYPE III DISTR. ALUMINUM HOUSING WITH BLACK FINISH, TEMPERED GLASS LENSES, MOUNT AT 9'-0" A.F.F.	STONOCO	LYTEPRO	5232LUM/40K		LED					65	SEE LIST BELOW	
COOPER-INVOUE		ENC SERIES								65		
LITHONIA		ARC2 SERIES								65		
										65		
SAME AS OA EXCEPT PROVIDED WITH INTEGRAL BATTERY. SEE NOTE 4	STONOCO	LYTEPRO	5232LUM/40K		LED					65	SEE LIST BELOW	
COOPER-INVOUE		ENC SERIES								65		
LITHONIA		ARC2 SERIES								65		
										65		
2' x 4' RECESSED LED TROFFER WITH A-12125 ACRYLIC PRISMATIC LENS, STEEL HOUSING WITH WHITE ENAMEL FINISH	METALUX	24GR LED	4800LUM/35K		LED					37.4	APPROVED EQUIVALENT	
LITHONIA		2TL SERIES								37.4		
COLUMBIA		LIT SERIES								37.4		
LUMAX LIGHTING		LGLD SERIES								37.4		
4' LED LENSED STRIP SURFACE MOUNTED LIGHT, STEEL HOUSING WITH WHITE FINISH	DAY-BRITE	FLUX STREAM	5500LUM/35K		LED					45	SEE LIST BELOW	
METALUX		SNLED SERIES								45		
LITHONIA		WL SERIES								45		
COLUMBIA		LCL SERIES								45		

LIGHT FIXTURE SCHEDULE NOTES

- ALL EMERGENCY LIGHTS, EXIT SIGNS AND NIGHT LIGHTS SHALL BE CONNECTED TO THE UNSWITCHED LEG OF THE NEAREST LIGHTING CIRCUIT SERVING THAT SAME AREA/ROOM.
- COORDINATE MOUNTING REQUIREMENTS OF ALL FIXTURES WITH ARCHITECTURAL PLANS AND FINISH SCHEDULES.
- LIGHT FIXTURE CONTROLLED BY TIME CLOCK.
- FIXTURE SHALL OPERATE AS NORMAL FIXTURE UNLESS POWER IS LOST. THEN FIXTURE WILL BE ENERGIZED REGARDLESS OF STATUS OF CONTROLS.
- PROVIDE GASKETING ON DOOR FRAME AND LENS, INSTALL LENS WITH PRISMS UP.

PANEL FH																	
CCT BRKR		LOAD DESCRIPTION		WIRE SIZE		PHASE			LOAD		WIRE		LOAD DESCRIPTION		CCT BRKR		
NO.	AMPS	NO.	NOTE	A	B	C	A	B	C	KVA	SIZE	NO.	NO.	NO.	AMPS	NO.	
1	20	1	RECPT - TELEPHONE BACKBOARD	12	0.2	0.3				0.1	12			(EF-1) EXHAUST FAN	1	20	2
3	20	1	RECPT - 1ST FLR BACK WALL	12	0.4					0.1	12			(EF-2) EXHAUST FAN	1	20	4
5	20	1	RECPT - 1ST FLR BACK WALL	12	0.4					0.1	12			(EF-3) EXHAUST FAN	1	20	6
7	20	1	RECPT - 1ST FLR ENTRY WALL	12	0.4	2.7				2.3	10			(EW-1) ELEC. WATER HEATER	2	30	8
9	20	1	RECPT - 1ST FLR WINDOW WALL	12	0.5					2.8	10			(SSAH-1/SSH-1) SPLIT SYSTEM	2	30	12
11	20	1	RECPT - 1ST FLR SINK WALL	12	0.4					1.5	1.1			(SSAH-2/SSH-2) SPLIT SYSTEM	2	30	16
13	20	1	RECPT - 2ND FLR STANDARD	12	0.9					2.0	1.1			(WH-1) WALL HEATER	2	15	20
15	20	1	RECPT - 2ND FLR COUNTER	12	0.5					1.6	1.1			(SP-1) SANITARY PUMP	2	30	24
17	20	1	LIGHTING - EXTERIOR	12	0.5					1.6	1.1			SPACE ONLY			28
19	20	1	LIGHTING - 1ST FLOOR	12	0.3	1.3				1.0	1.0			SPACE ONLY			30
21	20	1	LIGHTING - 2ND FLOOR	12	0.2					1.2	1.0			SPACE ONLY			32
23	20	1	SPARE							0.9	0.9			SPACE ONLY			34
25	20	1	SPARE							0.9	0.9			SPACE ONLY			36
27			SPACE ONLY							0.0	0.0			SPACE ONLY			38
29			SPACE ONLY							0.0	0.0			SPACE ONLY			40
31			SPACE ONLY							0.0	0.0			SPACE ONLY			42
33			SPACE ONLY							0.0	0.0			SPACE ONLY			44
35			SPACE ONLY							0.0	0.0			SPACE ONLY			46
37			SPACE ONLY							0.0	0.0			SPACE ONLY			48
39			SPACE ONLY							0.0	0.0			SPACE ONLY			50
41			SPACE ONLY							0.0	0.0			SPACE ONLY			52

MAIN TYPE: MAIN LUG ONLY VOLTAGE (L-L): 208 PHASE: 3
AMPERE RATING: VOLTAGE (L-N): 120 WIRE: 4
LUG OPTIONS: BUS RTG (AMPS): 225 MIN. KAIC: 22
REMARKS: EXISTING PANEL, SEE NOTE A MOUNTING: SURFACE

NEC ARTICLE 220 LOAD CATEGORY:
TOTAL INTERIOR LIGHTS: 7.1 KVA
I ENERGY CODE REQD. 0.5
N NON-ENER. CODE REQD. 0.0
E EXTERIOR LIGHTS 0.5
R RECEPTACLES (FIRST 10) 3.7
P HVAC PACKAGED UNITS 4.6
H HEAT PUMPS / COND. UNITS 0.0
A AIR HANDLING UNITS 0.0
D CHILLER / COOLING TOWER 0.0
T ELECTRIC HEAT 2.0
V VAV BOXES / FAN BOXES 0.0

CONNECTED KVA: 17.8
CONNECTED AMPS: 49
DEMAND AMPS: 50

NOTE: A EXISTING PANEL IS TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR

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06/30/2023

PERMIT SET

ISSUE DATE: December 01, 2022
REV1: March 30, 2023
REV2: June 30, 2023

ABSS EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

PROJECT NUMBER: 2212
SHEET TITLE: ELECTRICAL SCHEDULES
SHEET NUMBER: E002

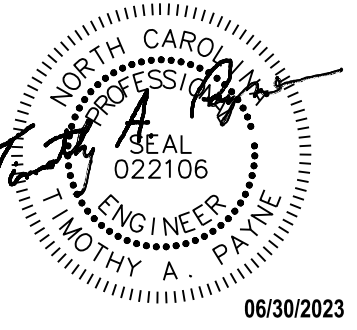
GENERAL NOTES

1. ALL INSTALLATIONS SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ALL APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE SUITABLE FOR ITS APPLICATION PER THE LISTING INSTRUCTIONS OF A NATIONALLY RECOGNIZED AND APPROVED TESTING LABORATORY.
3. ALL EMERGENCY, EGRESS AND EXIT LIGHTING FIXTURES TO BE CONNECTED TO CIRCUIT SERVING LIGHTING FIXTURES IN IMMEDIATE AREA PRIOR TO LOCAL CONTROLS OF FIXTURES (UN-SWITCHED CIRCUIT).
4. REFER TO SHEET E002 FOR EQUIPMENT CONNECTION INFORMATION.

Morris Berg
ARCHITECTS



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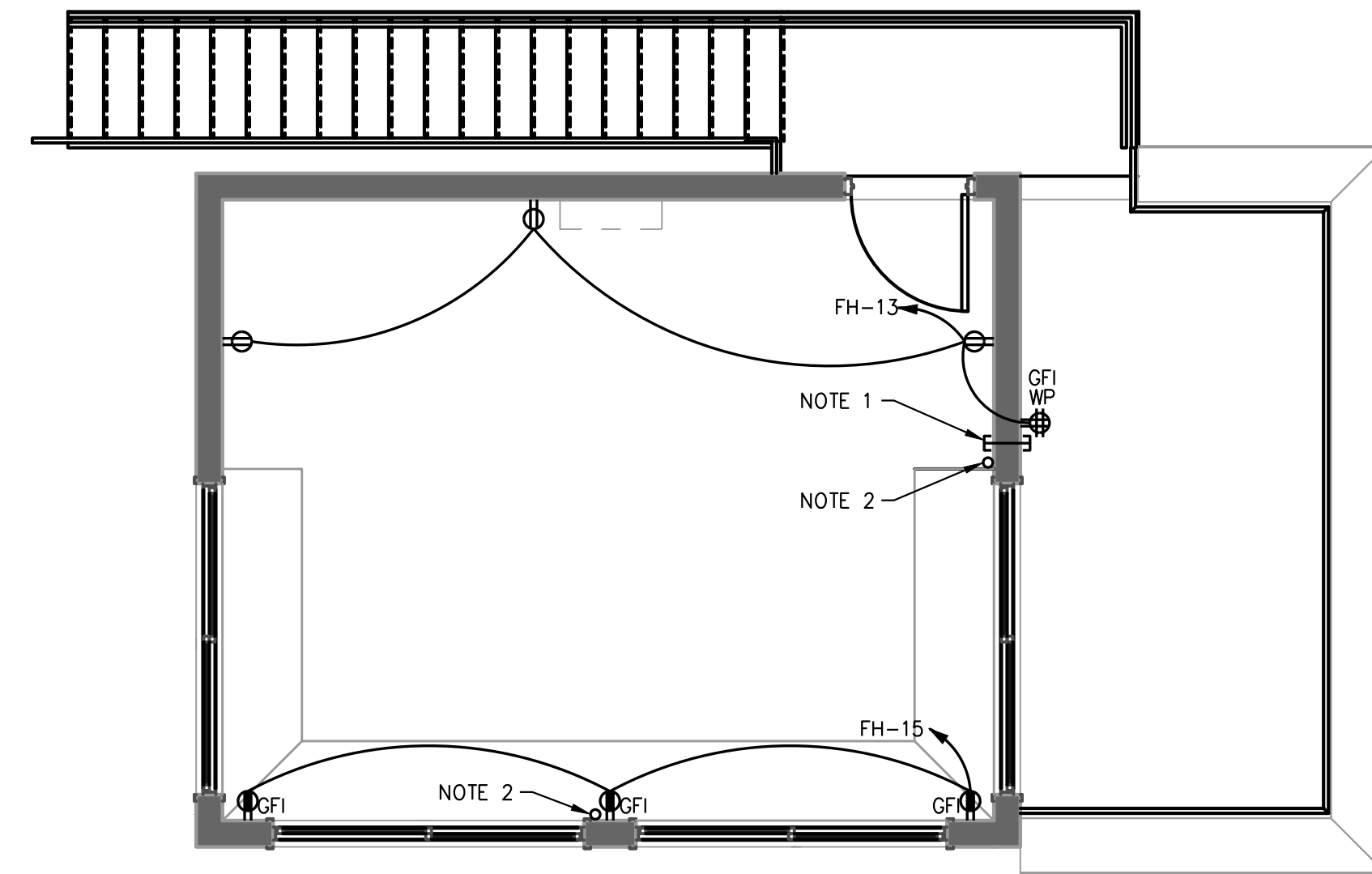
PERMIT SET

ISSUE DATE:	December 01, 2022
REV1:	March 30, 2023
REV2:	June 30, 2023

ABSS
EASTERN HS PRESS BOX/CONCESSIONS
MEBANE, NC

PROJECT NUMBER
2212
SHEET TITLE
ELECTRICAL
FLOOR PLANS
SHEET NUMBER

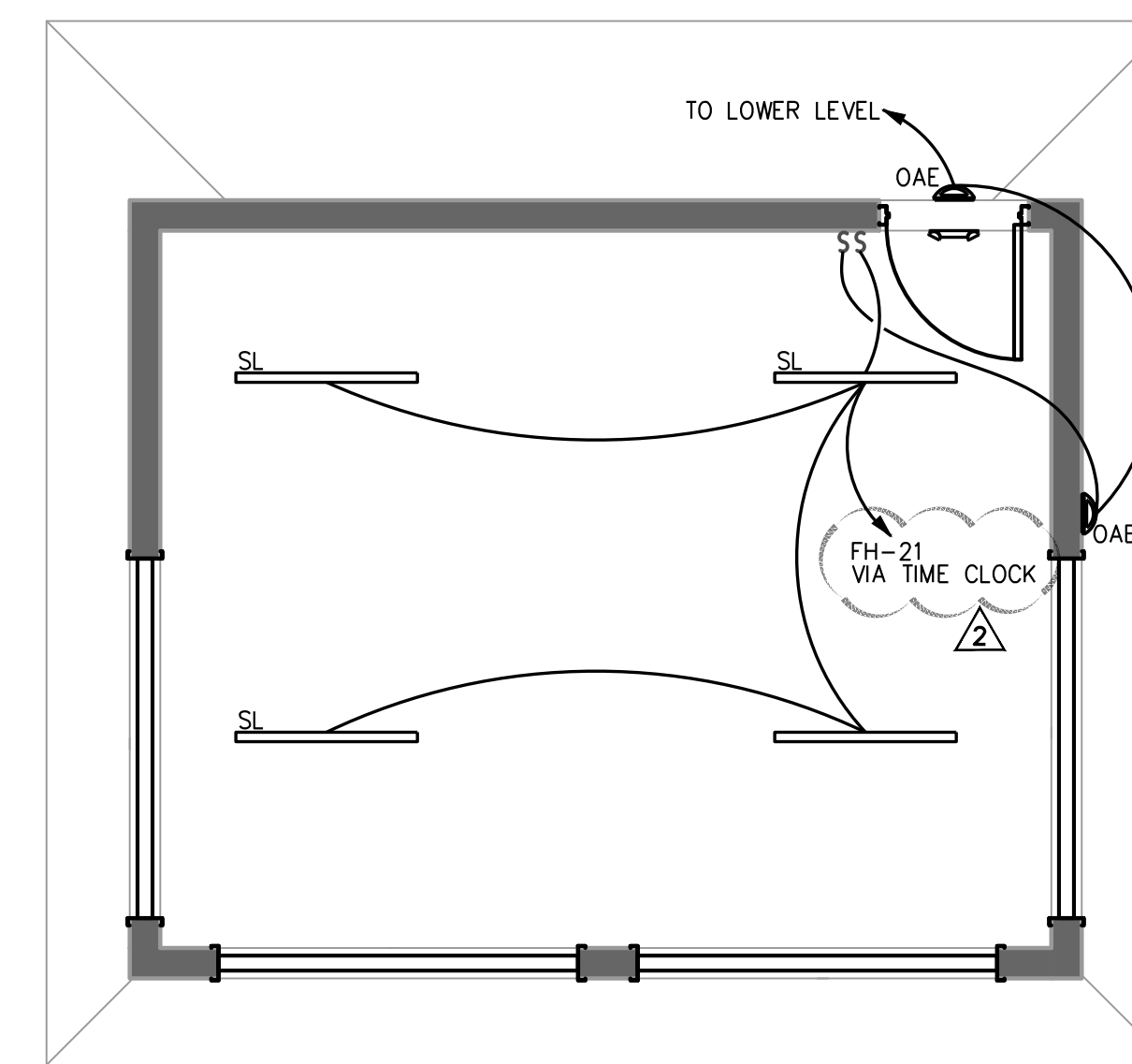
E101



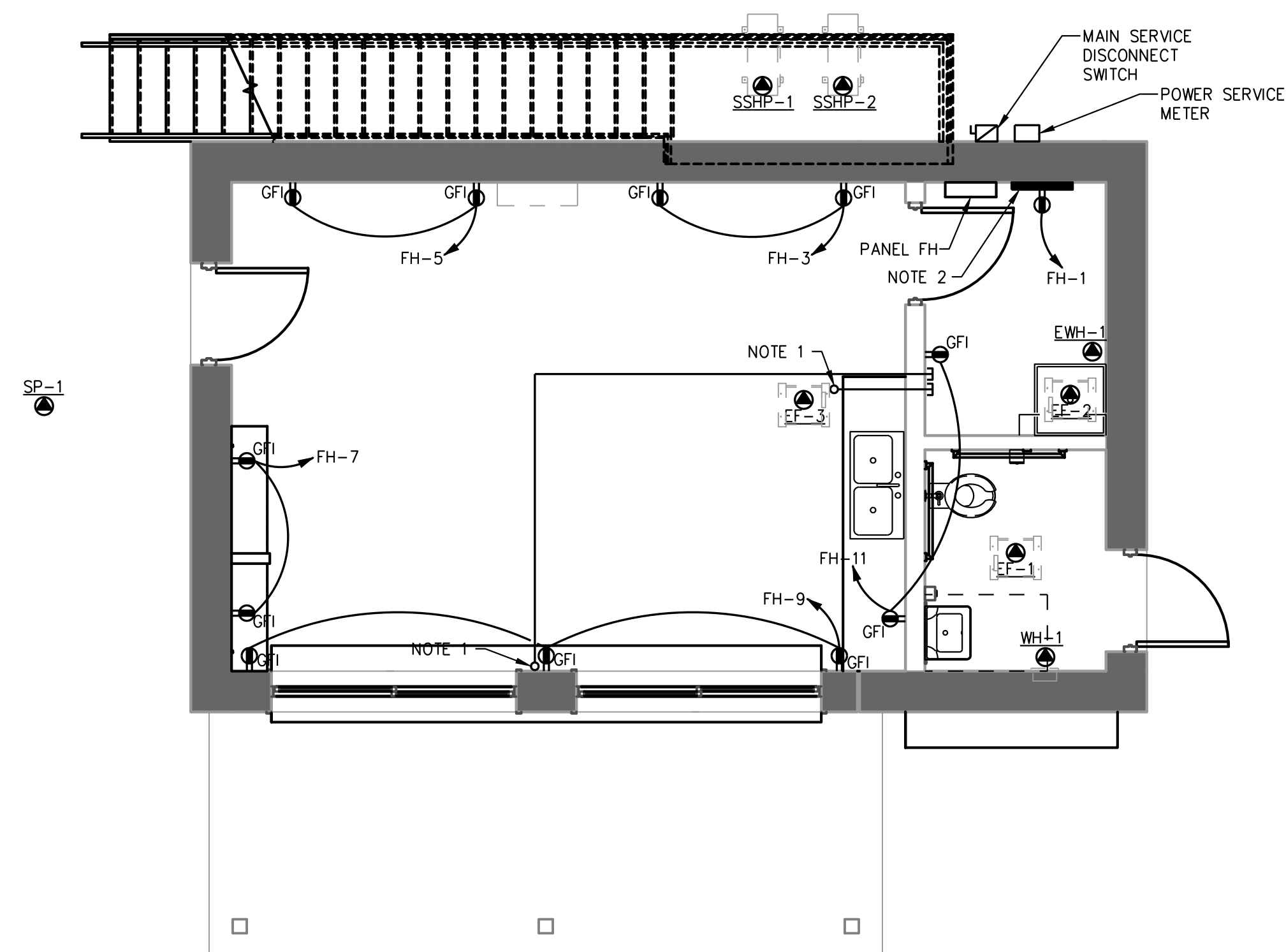
2 POWER PLAN - SECOND FLOOR
SCALE: 1/4"=1'-0"

POWER NOTES:

1. PROVIDE EMPTY, 1-1/2" SLEEVE THROUGH WALL FOR ANY TELECOM/CAMERA CABLING. PROVIDE LOCKABLE, NEMA 3R COVER ON EXTERIOR SIDE. FIELD COORDINATE WITH OWNER PRIOR TO ROUGH-IN.
2. PROVIDE EMPTY 1-1/2" CONDUIT STUBBED DOWN THROUGH FLOOR, ACROSS LOWER LEVEL (ABOVE FINISHED CEILING) AND STUB-OUT INTO STORAGE/JANITORS CLOSET FOR ANY TELECOM/CAMERA/SCOREBOARD CABLING. FIELD COORDINATE WITH OWNER PRIOR TO ROUGH-IN.



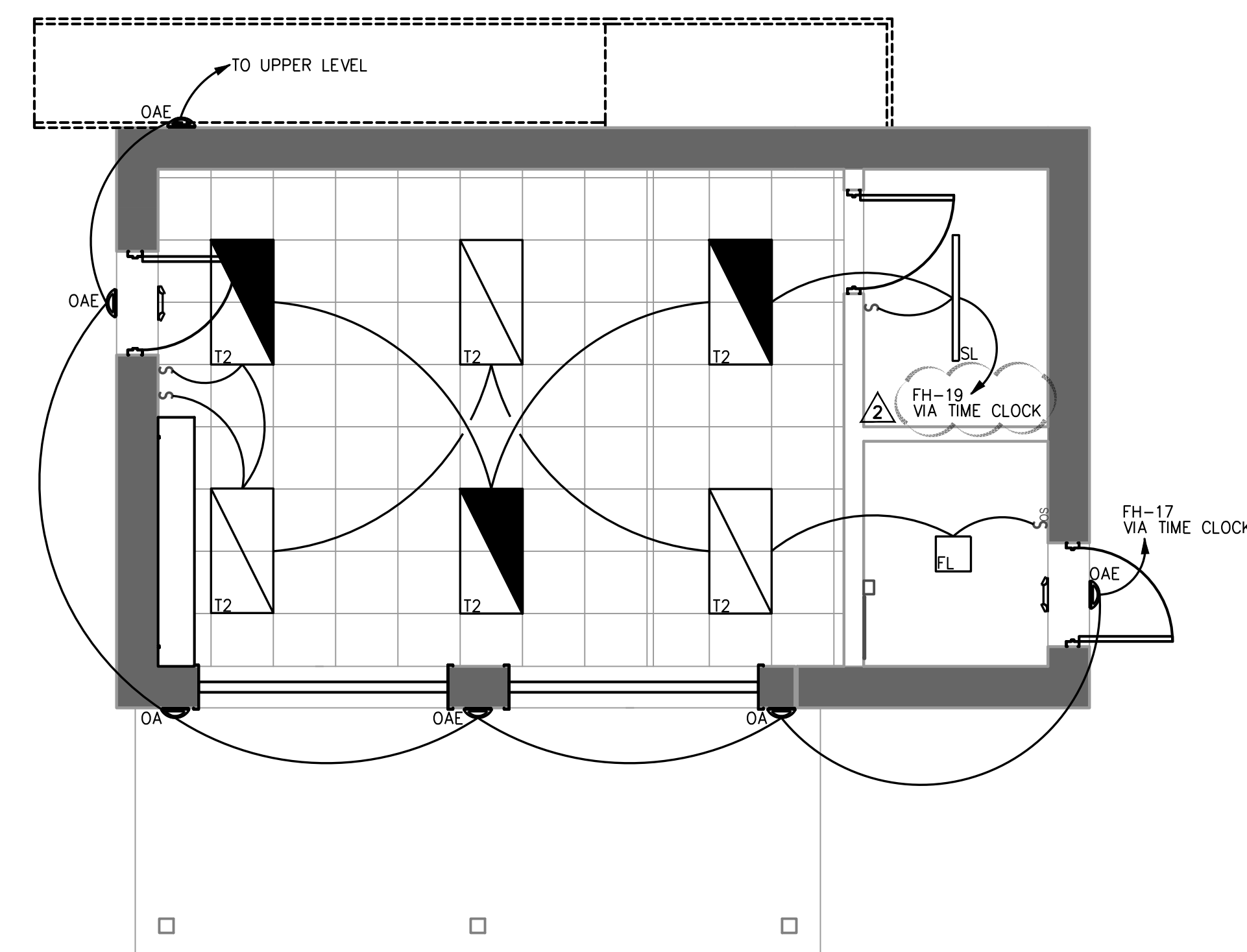
4 LIGHTING PLAN - SECOND FLOOR
SCALE: 1/4"=1'-0"



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

POWER NOTES:

1. EMPTY 1-1/2" CONDUIT STUBBED DOWN THROUGH FLOOR FROM ABOVE, ACROSS LOWER LEVEL (ABOVE FINISHED CEILING) AND STUB-OUT INTO STORAGE ROOM, FOR ANY TELECOM/CAMERA/SCOREBOARD CABLING. FIELD COORDINATE WITH OWNER PRIOR TO ROUGH-IN.
2. PROVIDE AND INSTALL 2X2' PLYWOOD BACK BOARD MOUNTED ON WALL JUST BELOW CEILING/ROOF STRUCTURE FOR TELECOM. FIELD COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.



3 LIGHTING PLAN - FIRST FLOOR
SCALE: 1/4"=1'-0"