

# ALPHA BLDG SET 01-15-2026

**LOSE  
DESIGN**  
SPACES FOR LIFE.

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# NOT FOR CONSTRUCTION

COVERING TOPIC

[illegible]

**COVER**

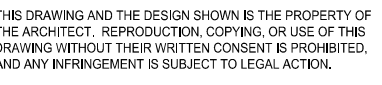
PROJECT NO. <b>3042-1</b>	DATE <b>10/20/2025</b>
PAWED BY <b>STAFF</b>	SCALE
CHECKED BY <b>SG</b>	
SHEET NO.	

A0.00



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[illegible]

SHEET TITLE	
OVERALL SITE SERIES	
PROJECT NO. 23042P	DATE 12/18/2025
RAWN BY MTC	SCALE 1" = 400'
CHECKED BY ASP	
SHEET NO.	
C1.00	

C1.00

1. SEE SHEET 'C0.01 FOR GENERAL NOTES.
2. SEE ARCHITECTURAL SHEETS FOR BUILDINGS.
3. INSTALL JOINTS WHERE SHOWN TO ALIGN TO WALLS, BUILDINGS, RADIO, ETC. EVENLY SPACE BETWEEN ELEMENTS AS SHOWN. PROVIDE EMISSION JOINTS BETWEEN CONCRETE PAVEMENT AND VERTICAL ELEMENTS (WALL, CURBS, ETC.). ALL JOINTS TO BE STRAIGHT AND TRUE.
4. LAYOUT ALL CURVES SMOOTHLY WITH NO ABRUPT CHANGES AT TANGENT POINTS.
5. ALL CURBS ARE DIMENSIONED TO THE FACE OF CURB.
6. CONTRACTOR TO TAKE ALL PRECAUTIONS TO FIND AND AVOID SITE UTILITIES. ALL UTILITIES ARE NOT SHOWN ON DRAWING. VERIFY LOCATIONS AND CONSIDER SUCH WHEN ESTIMATING.
7. ALL PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD, LATEST EDITION).
8. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
9. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH GDOT'S STANDARDS FOR ROADWAY AND BRIDGE CONSTRUCTION, LATEST EDITION.
10. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED.

COORDINATE POINT:  
SEE SHEET C1.10  
FOR COORDINATE LIST.

DETAIL X/C1.10

PROPERTY LINE

CONTROL JOINT  
EXPANSION JOINT

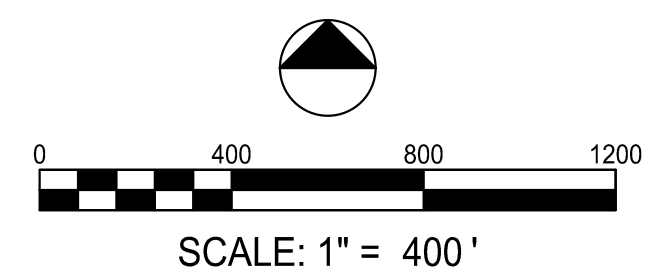
CONCRETE PAVEMENT (LIGHT-DUTY)  
PER DETAIL X/C1.80

CONCRETE PAVEMENT (HEAVY-DUTY)  
PER DETAIL X/C1.80

GRAVEL TOP DRESSING



**811**  
Know what's below.  
Call before you dig.



ALPHA BLDG SET 01- 15-2026

D:\2300s\23042P Newton County, GA - Westside and Southside Parks\CAD\01\_SHEETS\23042P\_C100 SITE SERIES.dwg - Printed on 2/25/12 at 12:09:35 PM.













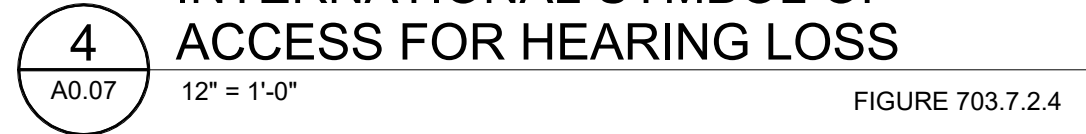






**NOTES:**

- **ADA STANDARDS ARE PROVIDED AS REFERENCE ONLY.**
- **ALL BUILDING COMPONENTS MUST COMPLY WITH ALL ADA GUIDELINES.**
- **REFER TO 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN PUBLICATION FOR ADDITIONAL INFORMATION.**
- **PROVIDE BLOCKING AT ALL STUD WALLS FOR ALL HANDRAILS, TYP.**
- **PROVIDE BLOCKING AT ALL STUD WALLS FOR OTHER WALL MOUNTED ITEMS AS NEEDED, TYP.**



## **CHAPTER 9 2010 BUILT-IN ELEMENTS**



Figure 802.2.1.1 (left) illustrates the lines of sight for seated spectators. It shows a series of steps with four seated figures. Lines of sight are drawn from the eyes of each figure to the top of the steps, showing that the view is unobstructed for all. A wheelchair is shown at the top of the steps. Figure 802.2.1.2 (right) illustrates the lines of sight for standing spectators. It shows a series of steps with four standing figures. Lines of sight are drawn from the eyes of each figure to the top of the steps, showing that the view is unobstructed for all. A wheelchair is shown at the top of the steps.



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NORTH SIDE RESTROOM BUILDING

GEORGIA

PREPARED FOR:  
NEWTON COUNTY

COVINGTON

[illegible]

SHEET TITLE

**ADA STANDARDS**

PROJECT NO. <b>23042-1</b>	DATE <b>12/18/2025</b>
DRAWN BY <b>STAFF</b>	SCALE <b>As indicated</b>
CHECKED BY <b>SG</b>	
SHEET NO.	

A0.07



CODE REVIEW

COMCHECK

I. APPLICABLE CODES

2. 2018 INTERNATIONAL BUILDING CODE W/ 2020, 2022, 2024 AND 2025 GEORGIA AMENDMENTS
3. 2015 INTERNATIONAL ENERGY CONSERVATION CODE W/ 2020, 2022 AND 2023 GEORGIA STATE SUPPLEMENTS AND AMENDMENTS
4. ICC / ANSI A117.1 2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
5. GEORGIA ACCESSIBILITY CODE CHAPTER 120-3-20 (.01-.08) W/ 2022 GEORGIA STATE FIRE COMMISSIONER AMENDMENTS 120-3-3-.08 THROUGH .11 - 2010 ADA STANDARD FOR ACCESSIBLE DESIGN
6. 2018 INTERNATIONAL PLUMBING CODE W/ 2020, 2022, 2023 AND 2024 GEORGIA AMENDMENTS
7. 2018 INTERNATIONAL MECHANICAL CODE W/ 2020 AND 2024 GEORGIA AMENDMENTS
8. 2018 INTERNATIONAL FUEL GAS CODE W/ 2020 AND 2022 GEORGIA AMENDMENTS
9. 2023 NFPA 70 NATIONAL ELECTRICAL CODE
10. 2018 INTERNATIONAL FIRE CODE W/ 2022 GEORGIA STATE FIRE COMMISSIONER AMENDMENTS 120-3-3-.04
11. 2018 NFPA 101 LIFE SAFETY CODE W/ 2022 GEORGIA STATE FIRE COMMISSIONER AMENDMENTS 120-3-3-.04
12. 2019 NFPA 13 FIRE SPRINKLER SYSTEMS W/ 2022 GEORGIA STATE FIRE COMMISSIONER AMENDMENTS

II. OCCUPANCY TYPES

1. NORTHERN RESTROOM BUILDING: UTILITY/MISCELLANEOUS GROUP (IBC 312)

III. CONSTRUCTION TYPE (IBC TABLE 601):

1. NORTHERN RESTROOM BUILDING: TYPE V-B (UN-PROTECTED,SPRINKLED), IBC 602.5

IV. BUILDING HEIGHT AND AREAS (IBC TABLE 503 AND 506)

- A. BUILDING HEIGHT: MAXIMUM ALLOWED / ACTUAL PROVIDED: MAXIMUM ALLOWED / ACTUAL PROVIDED:

1. ACTUAL: NORTHERN RESTROOM BUILDING: 40' - 0" / 13' - 7" 1 STORY / 1 STORY

B. BUILDING AREAS (B - BUSINESS GROUP):

- ACTUAL CONSTRUCTED AREA CALCULATIONS: MAXIMUM AREA ALLOWED / ACTUAL PROVIDED AREA: (PER BUILDING - GROSS SF)
1. NORTHERN RESTROOM BUILDING 1 5,500 SF / 225 SF

VI. CONSTRUCTION REQUIREMENTS (LSC TABLE A.8.2.1.2, IBC TABLE 601 & 602, IBC 705)

1. FIRE RESISTANCE FOR PRIMARY STRUCTURAL FRAME (IBC TABLE 601):<sup>1</sup>  
TYPE V-B: 0 HR.
2. FIRE RESISTANCE FOR EXTERIOR AND INTERIOR BEARING WALLS (IBC TABLE 601):<sup>2, 3</sup>  
TYPE V-B: 0 HR.
3. FIRE RESISTANCE FOR EXTERIOR NON-BEARING WALLS AND PARTITIONS:<sup>4</sup>  
TYPE V-B: 1 HR FOR FIRE SEPARATION DISTANCE OF LESS THAN 5 FT. (IBC TABLE 602).<sup>5</sup>  
TYPE V-A: 1 HR FOR FIRE SEPARATION DISTANCE OF GREATER THAN 5 FT TO LESS THAN 10 FT. (IBC TABLE 602).<sup>6</sup>  
TYPE V-B: 0 HR FOR FIRE SEPARATION DISTANCE OF GREATER THAN 10 FT TO LESS THAN 30 FT. (IBC TABLE 602).<sup>7</sup>  
TYPE V-B: 0 HR FOR FIRE SEPARATION DISTANCE OF GREATER THAN 30 FT. (IBC TABLE 602).<sup>8</sup>
4. FIRE RESISTANCE FOR INTERIOR NON-BEARING WALLS AND PARTITIONS:<sup>9</sup>  
TYPE V-B: 0 HR (IBC TABLE 601).
5. FIRE RESISTANCE FOR FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (FLOOR/CEILING CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOIST):  
TYPE V-B: 0 HR.
6. FIRE RESISTANCE FOR ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS (IBC TABLE 601):  
TYPE V-B: 0 HR.

PER IBC TABLE 601 AND 602:

- a. ROOF SUPPORTS: FIRE-RESISTANCE RATINGS OF PRIMARY STRUCTURAL FRAME AND BEARING WALLS ARE PERMITTED TO BE REDUCE BY 1 HOUR WHERE SUPPORTING A ROOF ONLY. EXCEPT IN GROUP F-1, H, M, AND S-1 OCCUPANCIES, FIRE PROTECTION OF STRUCTURAL MEMBERS SHALL NOT BE REQUIRED, INCLUDING PROTECTION OF ROOF FRAMING AND DECKING WHERE EVERY PART OF THE ROOF CONSTRUCTION IS 20 FT OR MORE ABOVE ANY FLOOR IMMEDIATELY BELOW. FIRE-RETARDANT-TREATED WOOD MEMBERS SHALL BE ALLOWED TO BE USED FOR SUCH UNPROTECTED MEMBERS.
- b. IN ALL OCCUPANCIES, HEAVY TIMBER SHALL BE ALLOWED WHERE A 1-HOUR OR LESS FIRE-RESISTANCE RATING IS REQUIRED.
- c. AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 SHALL BE ALLOWED TO BE SUBSTITUTED FOR 1-HOUR FIRE RESISTANCE CONSTRUCTION, PROVIDED SUCH SYSTEM IS NOT OTHERWISE REQUIRED BY OTHER PROVISIONS OF THE CODE OR USED FOR AN ALLOWABLE AREA INCREASE IN ACCORDANCE WITH SECTION 506.3 OR AN ALLOWABLE HEIGHT INCREASE IN ACCORDANCE WITH SECTION 504.2. THE 1-HOUR SUBSTITUTION FOR THE FIRE RESISTANCE OF EXTERIOR WALLS SHALL NOT BE PERMITTED.
- d. NOT LESS THAN THE FIRE-RESISTANCE RATING REQUIRED BY OTHER SECTIONS OF THIS CODE.
- e. NOT LESS THAN THE FIRE-RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE (PER IBC TABLE 602).
- f. NOT LESS THAN THE FIRE-RESISTANCE RATING AS REFERENCED IN SECTION 704.10.
- A. LOAD-BEARING EXTERIOR WALLS SHALL ALSO COMPLY WITH THE FIRE-RESISTANCE RATING REQUIREMENTS OF IBC TABLE 601.
- B. FOR SPECIAL REQUIREMENTS FOR GROUP U OCCUPANCIES, SEE SECTION 406.3.
- C. SEE SECTION 706.1.1 FOR PARTY WALLS.
- D. OPEN PARKING GARAGES COMPLYING WITH SECTION 406 SHALL NOT BE REQUIRED TO HAVE A FIRE-RESISTANCE RATING.
- E. THE FIRE-RESISTANCE RATING OF AN EXTERIOR WALL IS DETERMINED BASED UPON THE FIRE SEPARATION DISTANCE OF THE EXTERIOR WALL AND THE STORY IN WHICH THE WALL IS LOCATED.
- F. FOR SPECIAL REQUIREMENTS FOR GROUP H OCCUPANCIES, SEE SECTION 415.5.
- G. FOR SPECIAL REQUIREMENTS FOR GROUP S AIRCRAFT HANGARS, SEE SECTION 412.4.1.
- H. WHERE TABLE 705.6 PERMITS NONBEARING EXTERIOR WALLS WITH UNLIMITED AREA OF UNPROTECTED OPENINGS, THE REQUIRED FIR-RESISTANCE RATING FOR THE EXTERIOR WALLS IS 0 HOURS.

VII. LIFE SAFETY CONSIDERATIONS (SEE LIFE SAFETY PLANS)

- A. ALLOWED OCCUPANT LOADS = (IBC TABLE 1004.1.2).  
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM : 300 GROSS  
LOCKER ROOMS : 50 GROSS
- BUILDING OCCUPANCY (PER STRUCTURE) QUANTITY TOTAL OCCUPANCY (PER BUILDING TYPE)
1. NORTHERN RESTROOM BUILDING: 5 1 5
- TOTAL BUILDING OCCUPANCY = 5 OCCUPANTS
- B. EXIT DOOR CLEAR OPENING WIDTHS (LSC 7.2.1.2.3, IBC TABLE 1005.1):  
SERVING < 213 OCC. = 32 INCHES MIN. CLEAR.  
MIN. 36 INCHES PROVIDED AT EACH DOOR, TYP. - OCCUPANCY VARIES BETWEEN BUILDINGS. TABULAR OCCUPANCY CLEARANCES ARE APPROPRIATE FOR EACH STRUCTURE.
- C. DEAD END LIMITS = 20 FT (LSC TABLE A.7.6). NONE PROVIDED.
- D. TRAVEL DISTANCE LIMITS: (IBC TABLE 1016.2)  
OCCUPANCY TYPE U  
UN-SPRINKLED : 300 FT. MAX DISTANCE  
10' - 0" MAX PROVIDED AT NORTHERN RESTROOM BUILDING
- E. CORRIDORS: (IBC TABLE 1018.2)  
WIDTH MINIMUM - 44"  
NONE PROVIDED
- G. NEW FIRE HYDRANTS TO BE PROVIDED WITHIN 200 FT. HOSE-LAY OF ALL BUILDINGS. REFER TO CIVIL DRAWINGS.

VIII. INTERIOR FINISH (IBC TABLE 803.13)

- IBC TABLE 803.13 REQUIRED NO REQUIREMENT IN SPACES ACTUAL

IX. ROOF COVERINGS (IBC TABLE 1505.1)

- A. CLASS C MIN. FOR CONSTRUCTION TYPE V-B (IBC TABLE 1505.1); ACTUAL = STANDING SEAM METAL PANEL SYSTEM TO COMPLY WITH 1505.4

NOTE: ALL INFORMATION PROVIDED THIS PAGE APPLIES ONLY TO THE ARCHITECTURAL PROJECT SCOPE, I.E. AREAS LOCATED WITHIN THE BUILT STRUCTURES INDICATED IN THE VOLUME III DRAWINGS. THESE TOTALS DO NOT INCLUDE SPORTS FIELDS AND OTHER OUTDOOR ENVIRONMENTS / ACTIVITIES WITHIN THE OVERALL PARK. FOR ADDITIONAL INFORMATION, SEE CIVIL.



COMcheck Software Version COMcheckWeb  
Envelope Compliance Certificate

Project Information

Energy Code: 2015 IECC  
Project Title: 23042-1 Restroom Building  
Location: Covington, Georgia  
Climate Zone: 3a  
Project Type: New Construction  
Vertical Glazing / Wall Area: 1%

Construction Site:

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed  
High Performance SWH, 1.0 credit

Building Area	Floor Area
1-Restroom Facility (Office) : Nonresidential	225

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor <sub>adj</sub>
Floor: Unheated Slab-On-Grade, Horizontal with vertical 1 ft., [Bldg. Use 1 - Restroom Facility] (c)	261	---	0.0	0.730	0.730
Roof: Attic Roof, Wood Joists, [Bldg. Use 1 - Restroom Facility]	435	38.0	0.0	0.027	0.027
NORTH Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Restroom Facility]	373	20.0	0.0	0.064	0.064
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Restroom Facility]	24	---	---	0.570	0.610
Window: Metal Frame: Fixed, Perf. Specs.: Product ID n/a, SHGC 0.25, [Bldg. Use 1 - Restroom Facility] (b)	11	---	---	0.380	0.460
EAST Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Restroom Facility]	61	20.0	0.0	0.064	0.064
SOUTH Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Restroom Facility]	373	20.0	0.0	0.064	0.064
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Restroom Facility]	95	---	---	0.570	0.610
WEST Ext. Wall: Wood-Framed, 16in. o.c., [Bldg. Use 1 - Restroom Facility]	61	20.0	0.0	0.064	0.064

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.  
(b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.  
(c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Project Title: 23042-1 Restroom Building Report date: 11/19/25  
Data filename: Page 1 of 8

Envelope PASSES: Design 2% better than code

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Barbara Comito, Project Manager, Signature, Date 11/19/2025

Project Title: 23042-1 Restroom Building Report date: 11/19/25  
Data filename: Page 2 of 8

LOSE DESIGN  
SPACES FOR LIFE.

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PLACE  
STAMP  
HERE

PLACE  
STAMP  
HERE

NORTH SIDE RESTROOM BUILDING

GEORGIA

PREPARED FOR:  
NEWTON COUNTY

COVINGTON

SUBMITTALS / REVISIONS

NO	DATE	DESCRIPTION
R1	12/18/25	Permit Comments

SHEET TITLE

CODE REVIEW & COMCHECK

PROJECT NO. 23042-1 DATE: 12/18/2025  
DRAWN BY: STAFF SCALE: 1/4" = 1'-0"  
CHECKED BY: SG  
SHEET NO.

A0.10



LOSE  
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SEAN CHRISTOPHER GALT  
11/21/2025  
REGISTERED ARCHITECT

NORTH SIDE RESTROOM BUILDING

GEORGIA

PREPARED FOR:  
NEWTON COUNTY

COVINGTON

SUBMITTALS / REVISIONS

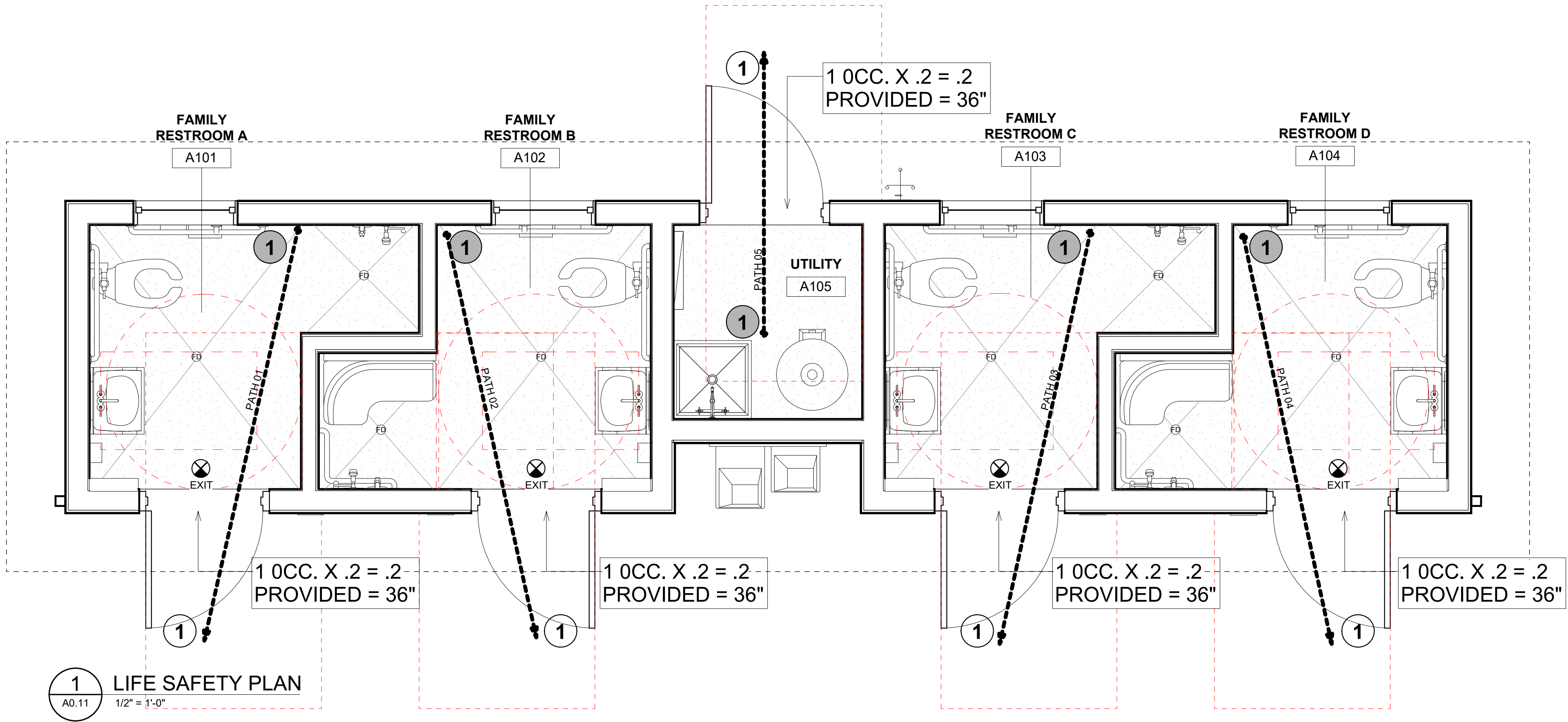
NO.	DATE	DESCRIPTION

SHEET TITLE

LIFE SAFETY PLAN

PROJECT NO. 23042-1	DATE 12/18/2025
DRAWN BY STAFF	SCALE As indicated
CHECKED BY SG	
SHEET NO.	

A0.11



Path of Travel Schedule	
Mark	Length
PATH 01	10' - 9 1/4"
PATH 02	10' - 6 1/2"
PATH 03	10' - 9 1/4"
PATH 04	10' - 7 3/4"
PATH 05	7' - 2 1/4"

ROOM OCCUPANCY LOAD					
ROOM NUMBER	ROOM NAME	AREA	OCCUPANCY TYPE	S.F. PER OCCUPANT	OCCUPANCY LOAD
LOCKER ROOMS					
A101	FAMILY RESTROOM A	37 SF	LOCKER ROOMS	50	1
A102	FAMILY RESTROOM B	37 SF	LOCKER ROOMS	50	1
A105	UTILITY	24 SF	LOCKER ROOMS	50	1
A103	FAMILY RESTROOM C	37 SF	LOCKER ROOMS	50	1
A104	FAMILY RESTROOM D	37 SF	LOCKER ROOMS	50	1
Grand total: 5		171 SF			5

LIFE SAFETY LEGEND	
	FIRE EXTINGUISHERS WITH 75' - 0" TRAVEL RADIUS (INDICATED BY DASHED CIRCLE)
	DENOTES PORTABLE FIRE EXTINGUISHER LOCATION - ONE PROVIDED ALL ACCESS POINTS ARE WITHIN 75 FT OF TRAVEL DISTANCE
	MAXIMUM OCCUPANCY PER ROOM TABULATION
	AT GRADE EGRESS DISCHARGE TABULATION
	MAXIMUM TRAVEL DIST.
	MINIMUM ADA CLEARANCES AT DOOR PER ADAAG
	MINIMUM ADA CLEARANCES AT FIXTURES PER ADAAG



NOTE: PERSPECTIVES ARE FOR REFERENCE ONLY

ALPHA BLDG SET 01-15-2026



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NORTH SIDE RESTROOM BUILDING

PREPARED FOR:  
NEWTON COUNTY

COVINGTON

GEORGIA

SUBMITTALS / REVISIONS		
NO.	DATE	DESCRIPTION

SHEET TITLE  
**PERSPECTIVES**

PROJECT NO. <b>23042-1</b>	DATE <b>12/18/2025</b>
DRAWN BY <b>STAFF</b>	SCALE
CHECKED BY <b>SG</b>	
SHEET NO.	

A0.50



ROOM FINISH SCHEDULE										
ROOM NUMBER	ROOM NAME	FLOOR	WALLS					CEILING	NOTES	
			NORTH	EAST	SOUTH	WEST	BASE			
Not Placed										
	SHOWER TYP.	RF	FRP	FRP	FRP	FRP	FRP	FRP		
FLOOR PLAN										
A101	FAMILY RESTROOM A	RF	FRP	FRP	FRP	FRP	FRP	COVE BASE	FC	
A102	FAMILY RESTROOM B	RF	FRP	FRP	FRP	FRP	FRP	COVE BASE	FC	
A103	FAMILY RESTROOM C	RF	FRP	FRP	FRP	FRP	FRP	COVE BASE	FC	
A104	FAMILY RESTROOM D	RF	FRP	FRP	FRP	FRP	FRP	COVE BASE	FC	
A105	UTILITY	RF	FRP	FRP	FRP	FRP	FRP	COVE BASE	FC	

TOILET ACCESSORIES	
1	TOILET BRUSH
2	TOILET PAPER
3	TOILET SEAT
4	TOILET TISSUE
5	TOILET VENTILATOR
6	TOILET WASH BASIN
7	TOILET WASH TUB
8	TOILET WASH TUB
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93	TOILET WASH TUB
94	TOILET WASH TUB
95	TOILET WASH TUB
96	TOILET WASH TUB
97	TOILET WASH TUB
98	TOILET WASH TUB
99	TOILET WASH TUB
100	TOILET WASH TUB

1	LIQUID SOAP DISPENSER, WALL MOUNTED, OWNER TO PROVIDE & INSTALL	11	SHOWER HEAD & CONTROL
---	---	----	-----------------------

\*\*\* ADA TOILET GRAB BARS TO BE 36" BEHIND WC, 42" AT SIDES, TYP. SEE SPEC. FOR TYPE.

- |  |  |
|--|--|
|  |  |
|  |  |

WATER HEATER

## FINISH LEGEND

\_\_\_\_\_

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**LOSE  
DESIGN**  
SPACES FOR LIFE.

GEORGIA

COVINGTON

SHEET TITLE
-------------


A2 00

## A2.00



**LOSE  
DESIGN**  
SPACES FOR LIFE.

NORTH SIDE RESTROOM BUILDING

PREPARED FOR:  
NEWTON COUNTY

COVINGTON

[illegible]

## RESTROOM ELEVATIONS

PROJECT NO. <b>23042-1</b>	DATE <b>12/18/2025</b>
DRAWN BY <b>STAFF</b>	SCALE <b>1/4" = 1'-0"</b>
CHECKED BY <b>BC</b>	
SHEET NO.	

1 NORTH ELEVATION  
A3.00 1/4" = 1'-0"





**LOSE**  
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GEORGIA

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NEWTON COUNTY

COVINGTON

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**SUBMITTALS / REVISIONS**

[illegible]

SHEET TITLE

## BUILDING SECTIONS

PROJECT NO. <b>23042-1</b>	DATE <b>12/18/2025</b>
DRAWN BY <b>STAFF</b>	SCALE <b>1/2" = 1'-0"</b>
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SHEET NO.	

### A3.10



PROJECT NO. <b>23042-1</b>	DATE <b>12/18/2025</b>
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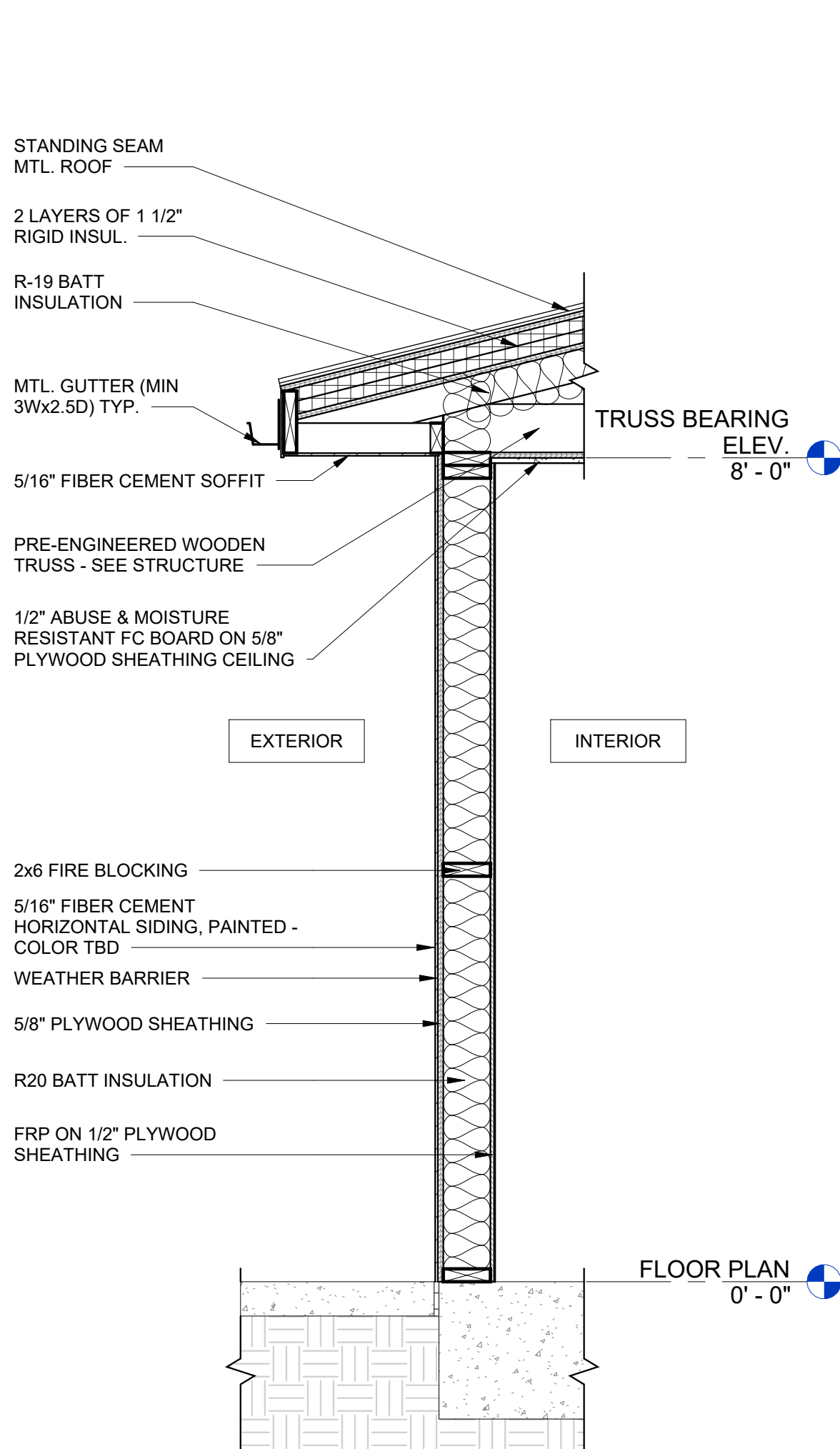
NO.	DATE	DESCRIPTION

SHEET TITLE

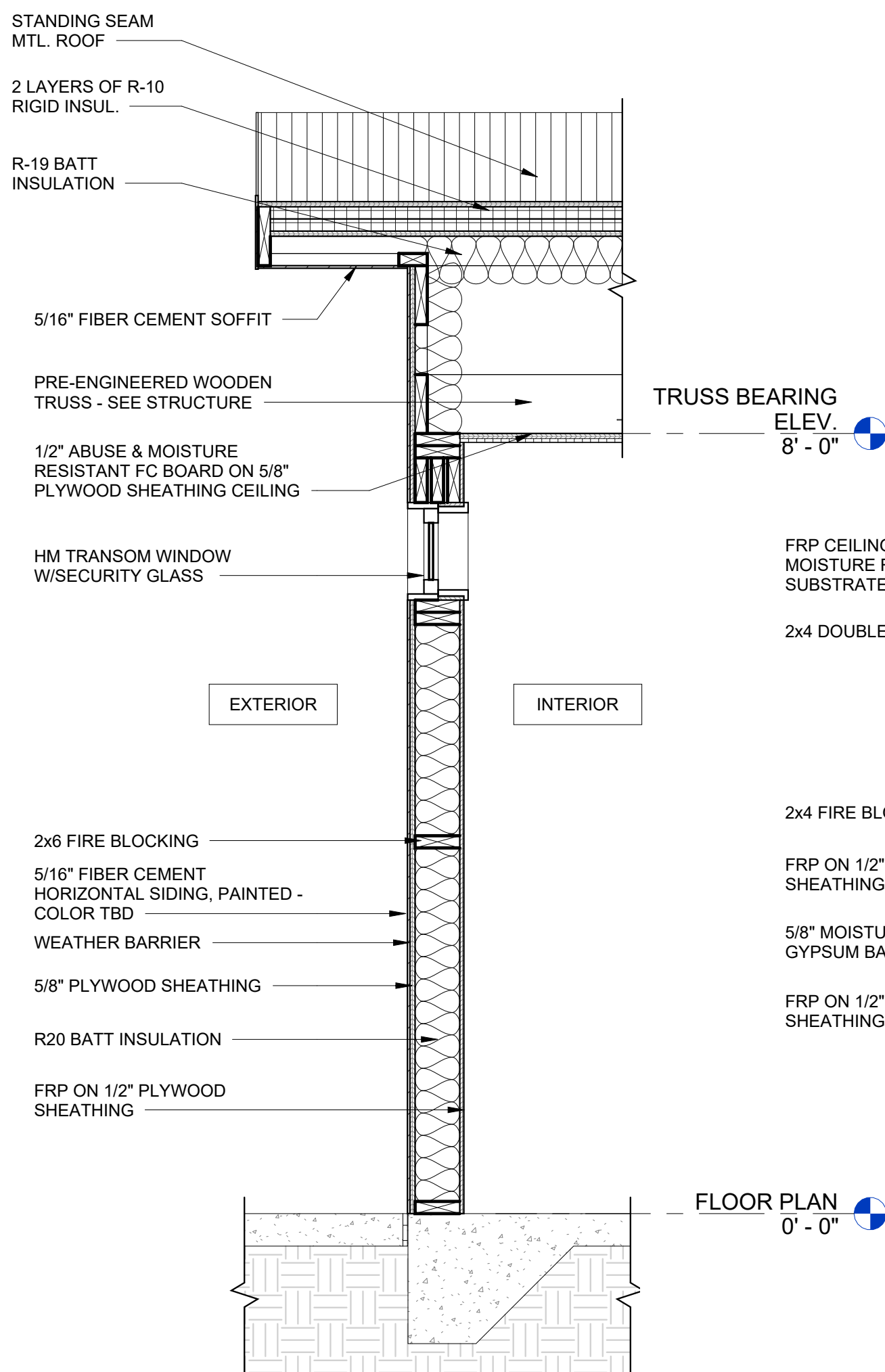
WALL SECTIONS

PROJECT NO. 23042-1	DATE 12/18/2025
DRAWN BY STAFF	SCALE 3/4" = 1'-0"
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SHEET NO.	

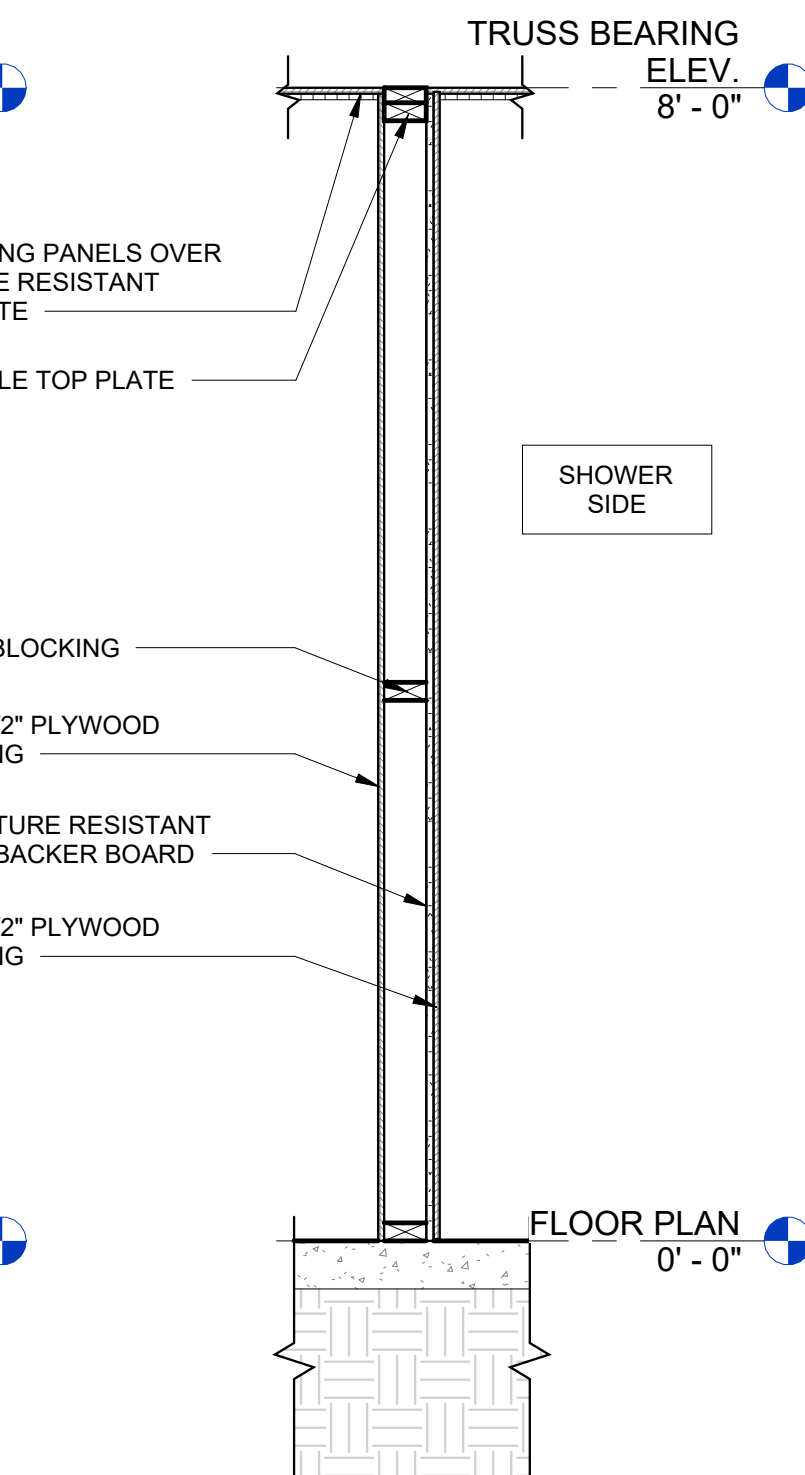
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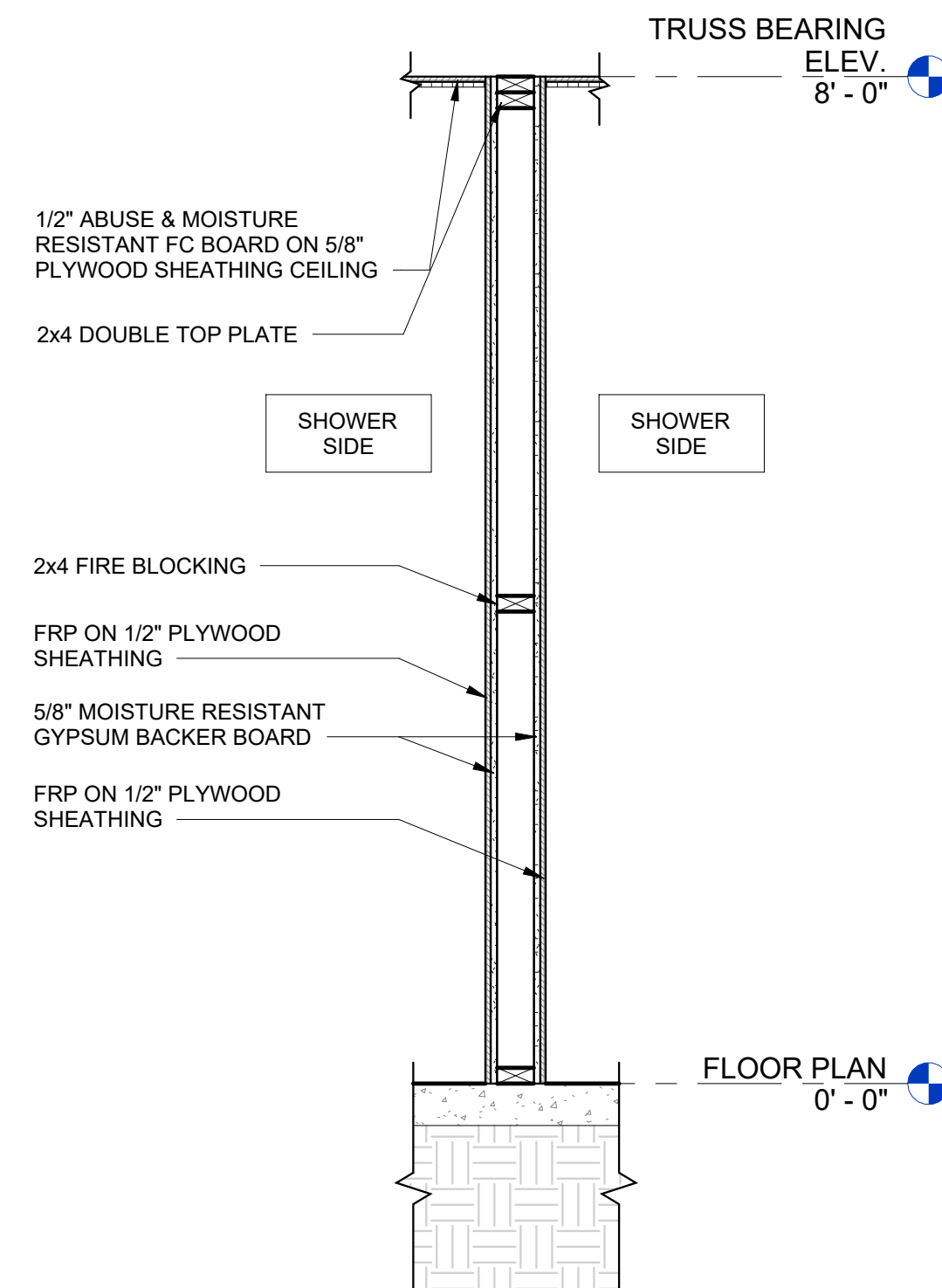
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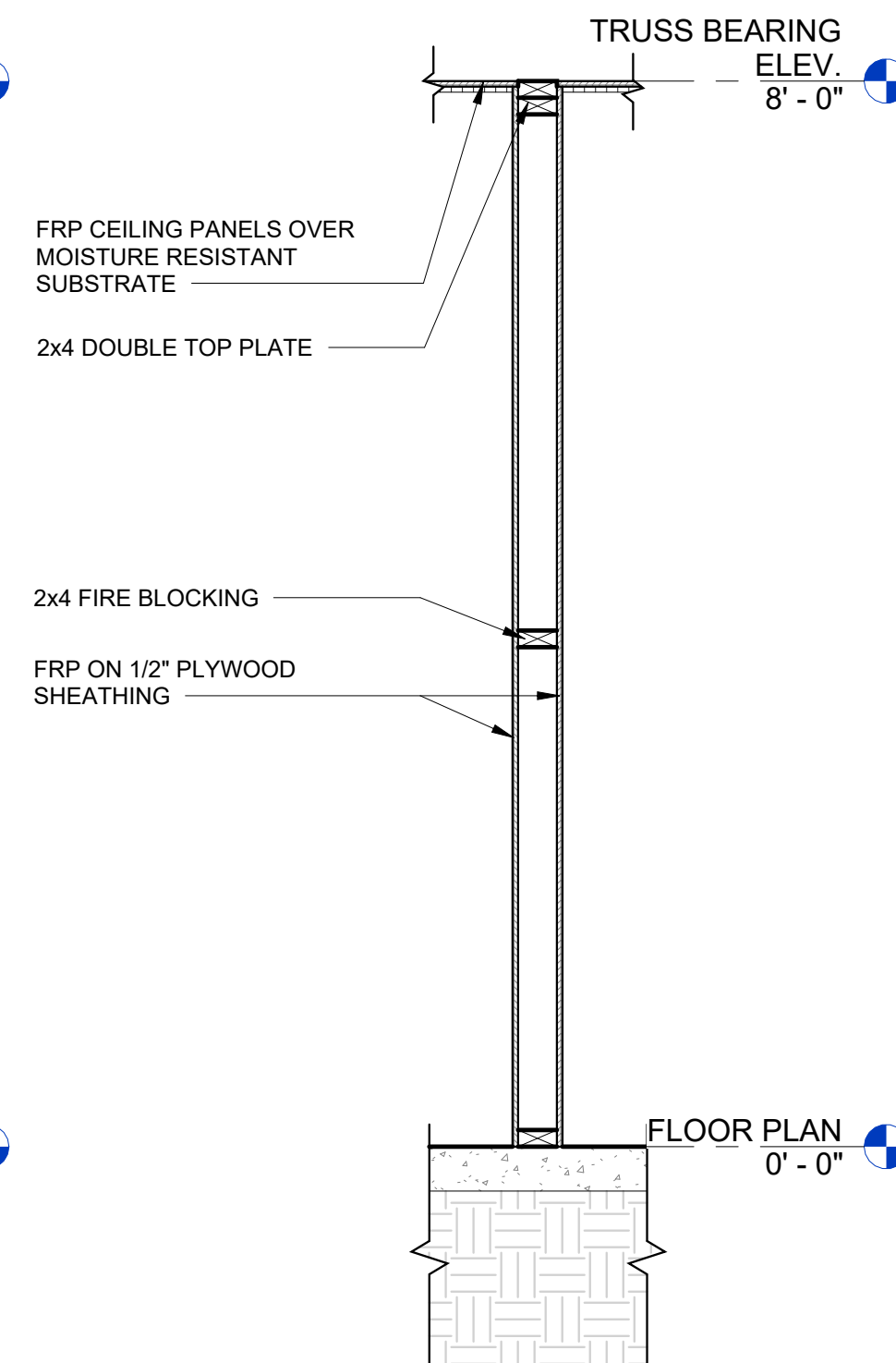
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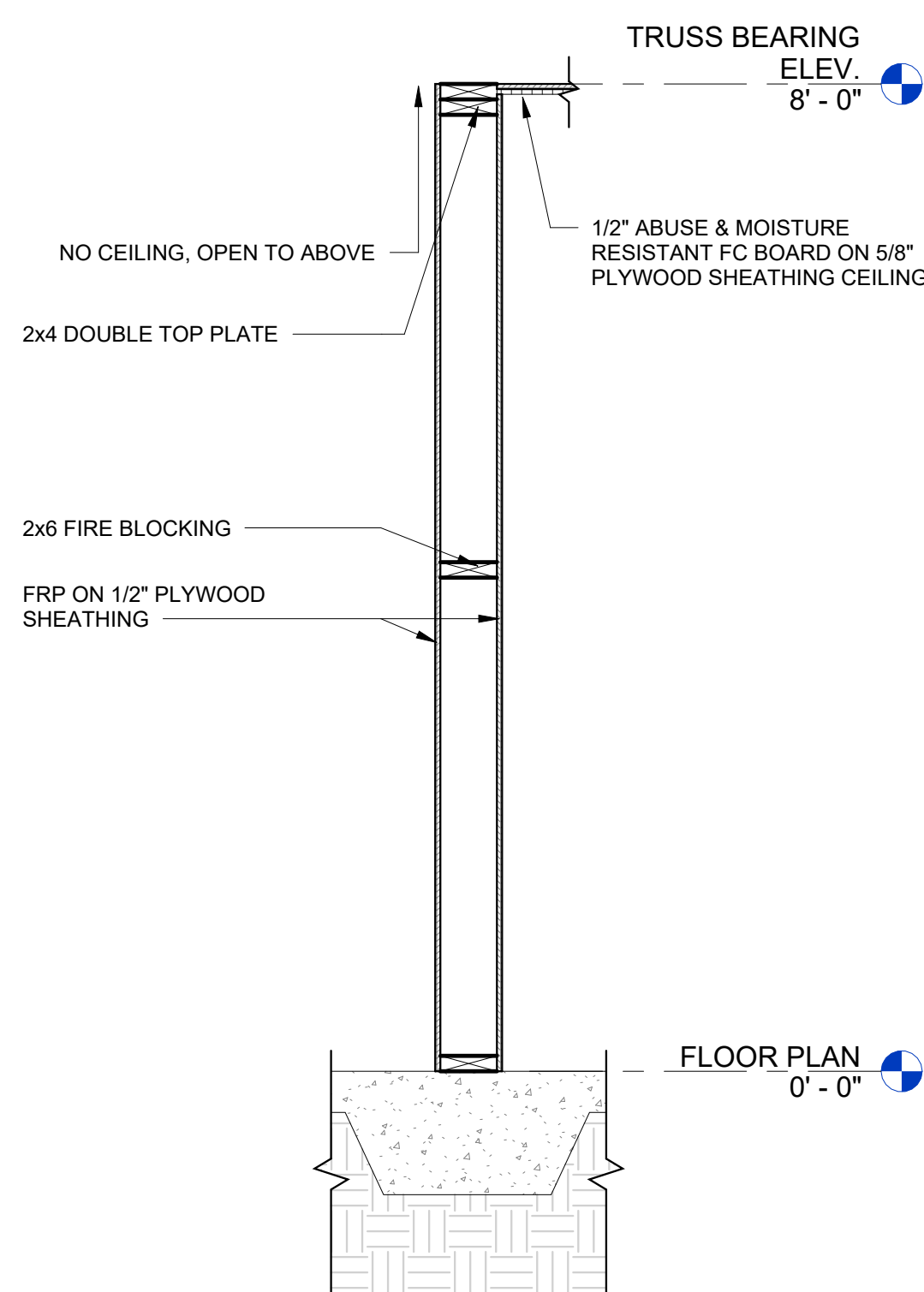
3 INTERIOR WALL SECTION N02  
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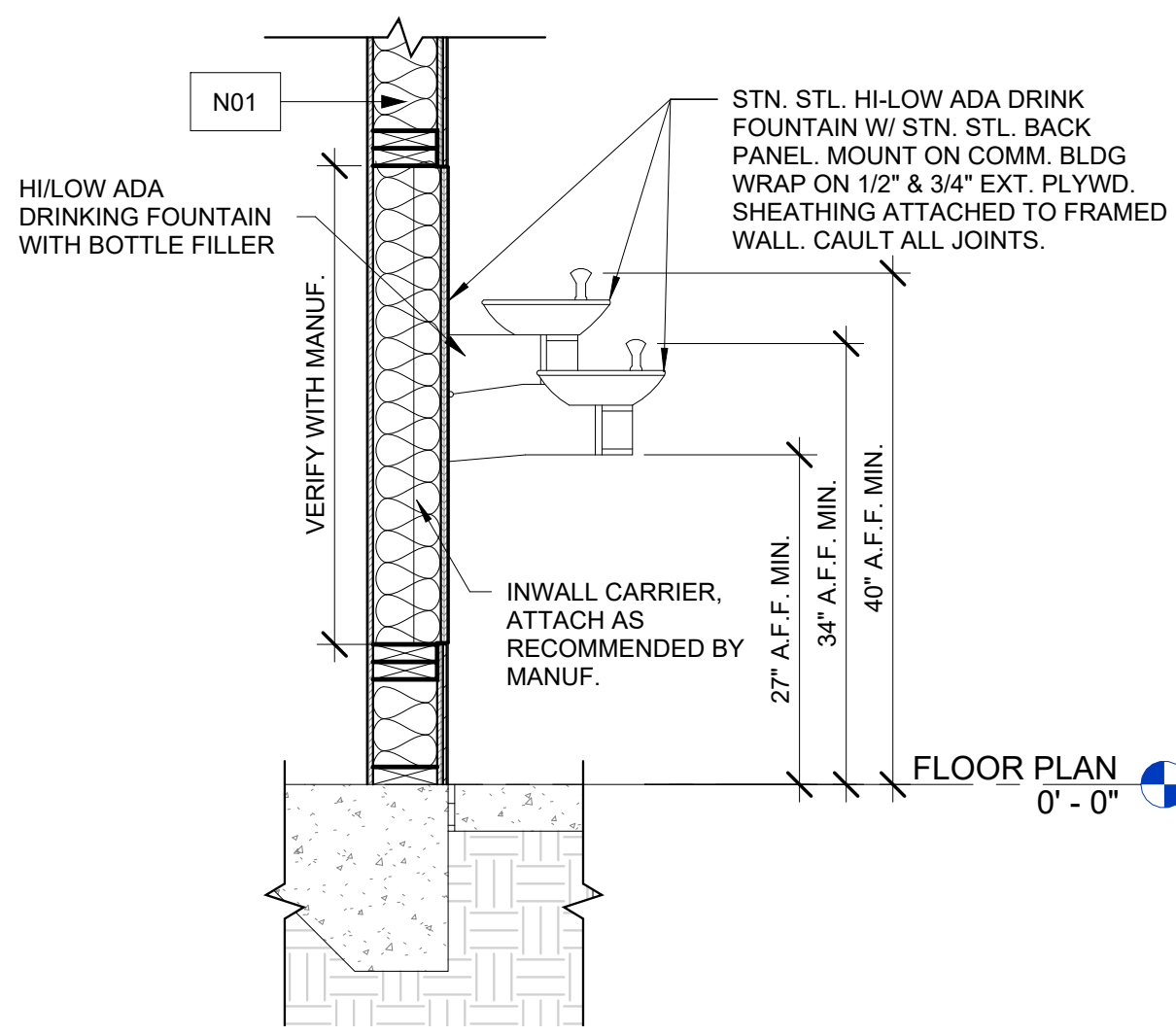
4 INTERIOR WALL SECTION N03  
A3.20 3/4" = 1'-0"



5 INTERIOR WALL SECTION N04  
A3.20 3/4" = 1'-0"



6 INTERIOR WALL SECTION N05  
A3.20 3/4" = 1'-0"



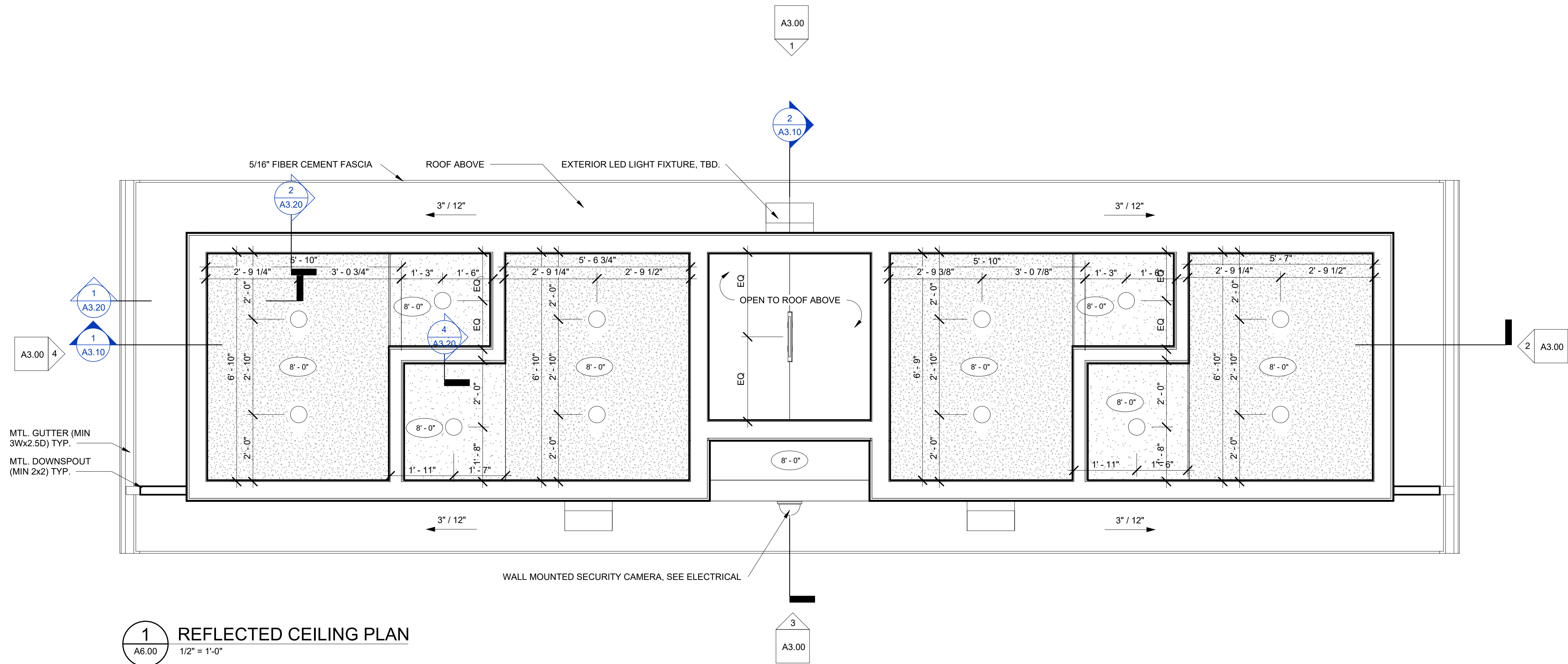
7 DRINKING FOUNTAIN WALL SECTION  
A3.20 3/4" = 1'-0"



RCP LEGEND

- 6" DIA. RECESSED CAN LIGHT
- 18" SUSPENDED LINEAR LED FIXTURE
- WALL PACK
- 5/8" HIGH-MOISTURE & ABUSE  
RESISTANT FIBER CEMENT
- FRP CEILING PANELS OVER  
MOISTURE RESISTANT SUBSTRATE
- FIBER CEMENT SOFFIT PANEL

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NORTH SIDE RESTROOM BUILDING

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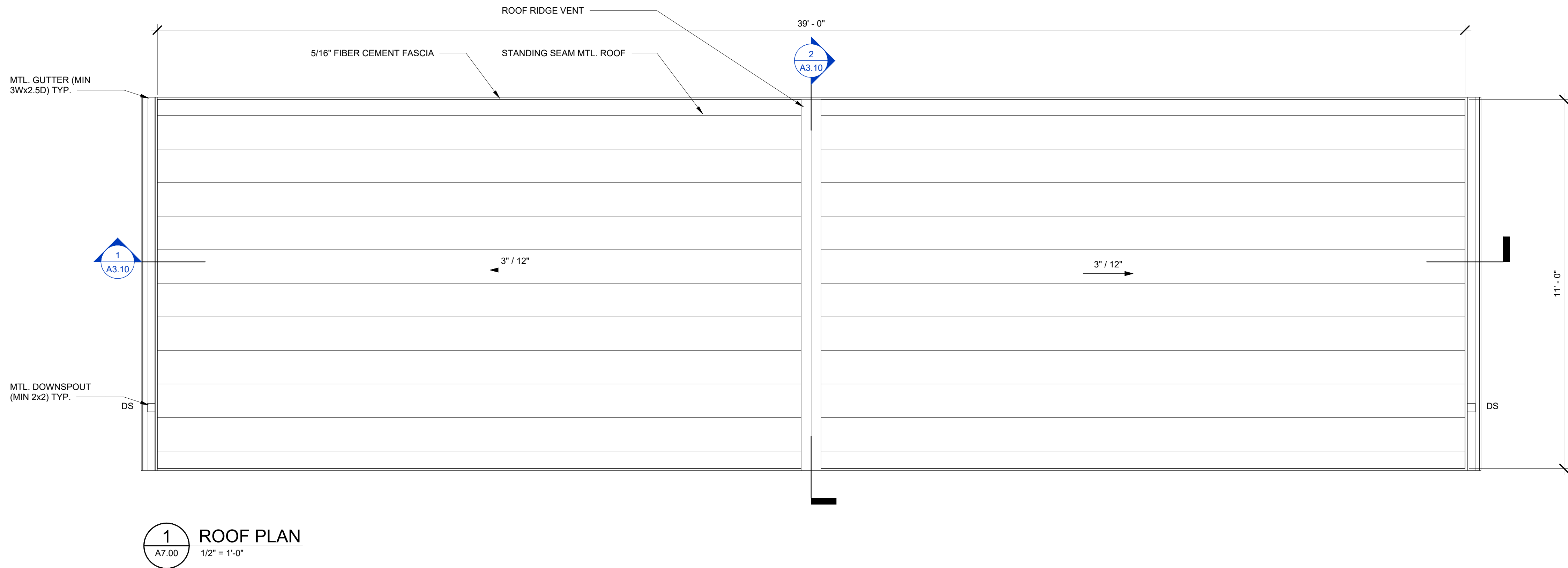
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**REFLECTED  
CEILING PLAN**

PROJECT NO. <b>23042-1</b>	DATE <b>12/18/2025</b>
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**A6.00**





NORTH SIDE RESTROOM BUILDING

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ROOF PLAN

PROJECT NO. 23042-1	DATE 12/18/2025
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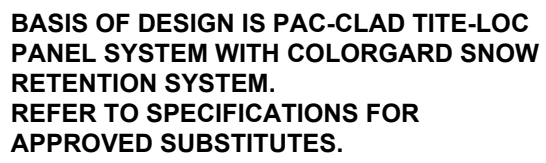
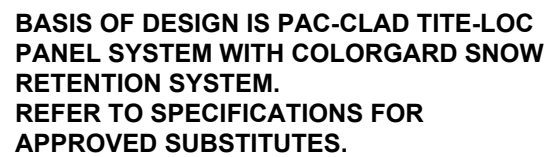
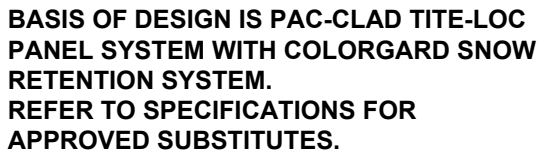
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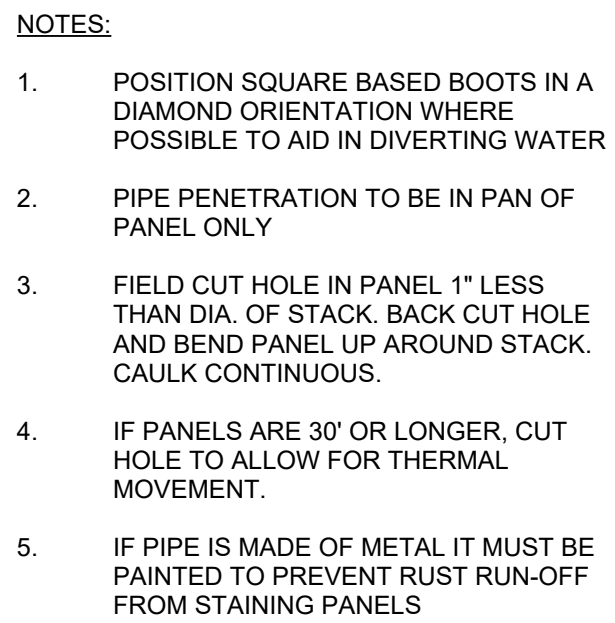
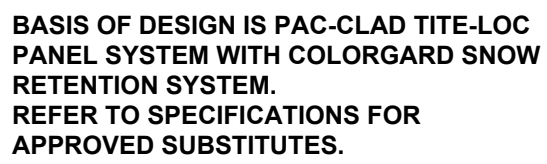
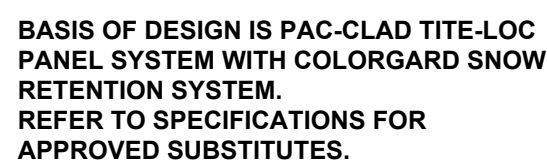
## ROOF DETAILS - STANDING SEAM

PROJECT NO. <b>23042-1</b>	DATE <b>12/18/2025</b>
DRAWN BY <b>STAFF</b>	SCALE <b>3" = 1'-0"</b>
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## A7.10



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PROJECT NO. <b>23042-1</b>	DATE <b>12/18/2025</b>
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SHEET TITLE

PROJECT NO. <b>23042-1</b>	DATE <b>12/18/2025</b>
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CHECKED BY <b>Checker</b>	<b>indicated</b>
SHEET NO.	

1. SEE DOOR HARDWARE SPECIFICATIONS FOR HARDWARE SET INFO.
2. INSULATED METAL DOOR
3. 1 HR FIRE RATED
4. AUTOMATIC DOOR CLOSER
5. PROVIDE POWER TO DOOR FRAME
6. EMERGENCY EGRESS ONLY



## WINDOW SCHEDULE

5/8" PLYWOOD SHEATHING, TYP.

5/16" FIBER CEMENT SIDING BD ON BUILDING WRAP, TYP.

THROUGH-WALL FLASHING W/ DRIP EDGE

ALUMINUM STOREFRONT & GLAZING WITH INTEGRAL THERMAL BARRIER, TYP. SEE SPECS.

FIBERGLASS BATT INSUL R-19

2x6 FRAMING @ 16" O.C.

1/2" FRP PANELS

2x6 TOP PLATE

RETURN WRB FLASHING ALL 4 SIDES OF ALL OPENINGS - TYP.

1/4" JOINT CONTINUOUS - 4 SIDES WITH SEALANT & BACKER ROD

ALUMINUM SILL PAN - CONT.

2 WINDOW - DETAILS AT FIBER CEMENT  
A8.00 3" = 1'-0"



PLACE  
STAMP  
HERE



FACTORY SHOALS PARK\_NORTHSIDE

RESTROOM BUILDING

PREPARED FOR:  
NEWTON COUNTY, GEORGIA

GEORGIA

COVINGTON

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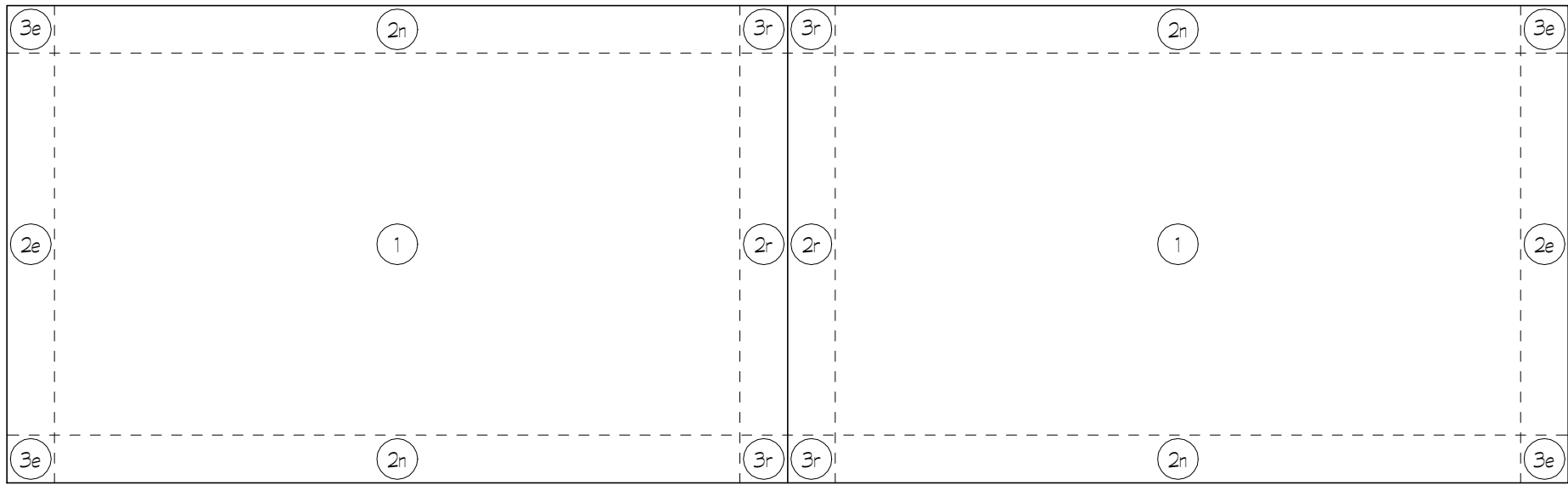
NO	DATE	DESCRIPTION

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GENERAL NOTES

PROJECT NO. 23042-1	DATE 11/21/2025
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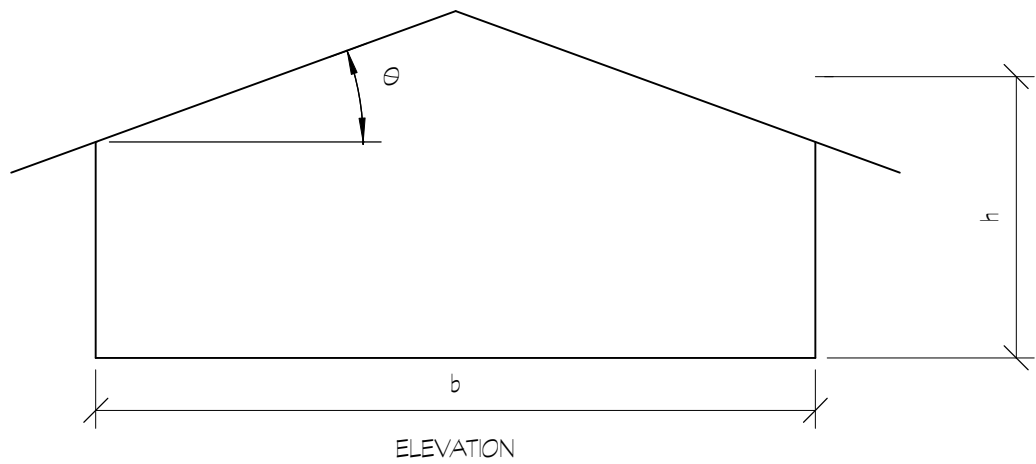
S0.02



ROOF UPLIFT DIAGRAM

ROOF PLAN

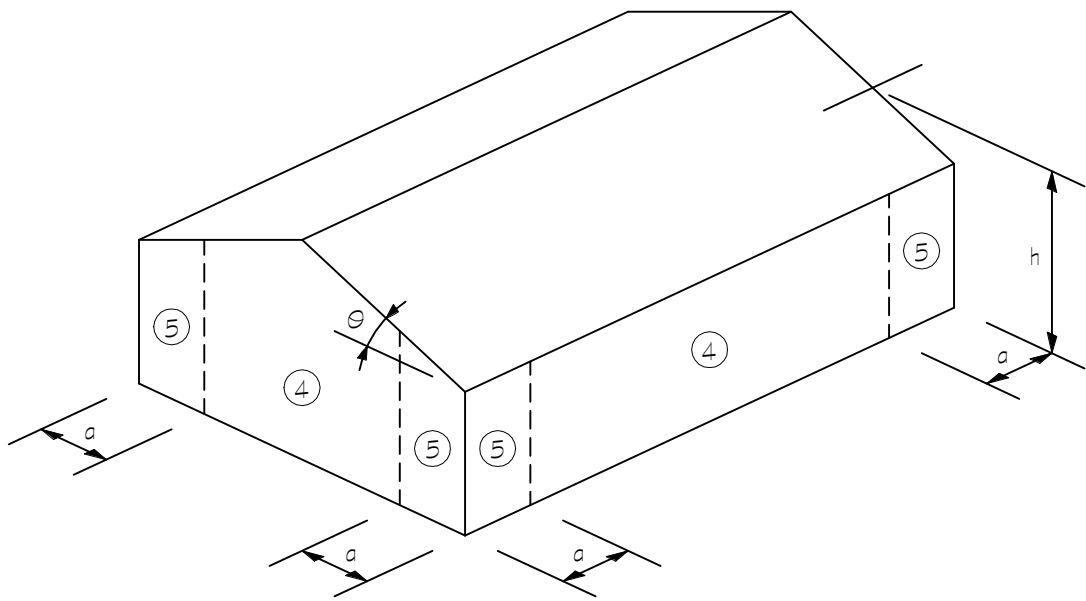
COMPONENTS AND CLADDING ROOF (ENCLOSED) 80.6 MPH EXP. 'C' 'ASD' EXTERNAL GROSS PRESSURES (PSF)						
A <sub>e</sub> (EFFECTIVE AREA)	ZONE 1	ZONE 2e	ZONE 2i	ZONE 2i	ZONE 3e	ZONE 3i
A <sub>e</sub> = 10 SQ. FT.	+9.6, -23.6	+9.6, -23.6	+9.6, -34.4	+9.6, -34.4	+9.6, -34.4	+9.6, -40.9
A <sub>e</sub> = 20 SQ. FT.	+9.6, -23.6	+9.6, -23.6	+9.6, -29.7	+9.6, -29.7	+9.6, -29.7	+9.6, -35.0
A <sub>e</sub> = 50 SQ. FT.	+9.6, -14.3	+9.6, -14.3	+9.6, -23.6	+9.6, -23.6	+9.6, -23.6	+9.6, -27.3
A <sub>e</sub> = 200 SQ. FT.	+9.6, -9.6	+9.6, -9.6	+9.6, -14.3	+9.6, -14.3	+9.6, -14.3	+9.6, -21.4



NOTES:

θ = 10% OF LEAST HORIZONTAL DIMENSION OR 0.4h, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3 FT (0.9m)

h = MEAN ROOF HEIGHT, IN FT (m), EXCEPT THAT EAVE HEIGHT SHALL BE USED FOR θ ≤ 10°



WALL ELEVATION

COMPONENTS AND CLADDING WALL (ENCLOSED) 80.6 MPH EXP. 'C' 'ASD' EXTERNAL GROSS PRESSURES (PSF)			
A <sub>e</sub> (EFFECTIVE AREA)	ZONE 4	ZONE 5	NOTES
A <sub>e</sub> = 10 SQ. FT.	+12.8, -13.8	+12.8, -17.1	
A <sub>e</sub> = 20 SQ. FT.	+12.2, -13.3	+12.2, -15.9	
A <sub>e</sub> = 50 SQ. FT.	+11.4, -12.5	+11.4, -14.4	
A <sub>e</sub> = 200 SQ. FT.	+10.3, -11.4	+10.3, -12.1	

NOTES:

- INTERPOLATION MAY BE UTILIZED FOR EFFECTIVE AREAS THAT OCCUR BETWEEN VALUES SHOWN ON THE TABLE
- PLUS AND MINUS SIGN INDICATES THE PRESSURE ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY
- FORCES AND DIAGRAMMS ARE BASED ON IBC/ASCE 7.
- NET PRESSURES CAN BE ACHIEVED BY SUBTRACTING 5 PSF FROM THE ABOVE ROOF VALUES ONLY. NO FURTHER REDUCTION IS PERMITTED.



Table 2304.10.1 - Fastening Schedule			
DESCRIPTION OF BUILDING ELEMENTS	ILLUSTRATION	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
Roof			
1. Blocking between ceiling joists, rafters, or trusses to top plate or other framing below.		3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each end, toenail
Blocking between rafters or truss not at the wall top plate, to rafter or truss		2-8d common (2 1/2" x 0.131") 2-3" x 0.131" nails 2-3" 14 gage staples	Each end, toenail
		2-16d common (3 1/2" x 0.162") 3-3" x 0.131" nails 3-3" 14 gage staples	End nail
Flat Blocking to truss and web filler		16d common (3 1/2" x 0.162") @ 6" o.c. 3" x 0.131" nails @ 6" o.c. 3" x 14 gage staples @ 6" o.c.	Face nail
2. Ceiling joists to top plate		3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each joist, toenail
3. Ceiling joist not attached to parallel rafter, laps over partitions (no thrust)		3-16d common (3 1/2" x 0.162"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
4. Ceiling joist attached to parallel rafter (heel joint) (see Section 2308.7.3.1, Table 2308.7.3.1)		Per Table 2308.7.3.1, min of 3-16d common (3 1/2" x 0.162")	Face nail
5. Collar tie to rafter		3-10d common (3" x 0.148"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
6. Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)		3-10 common (3" x 0.148"); or 3-16d box (3 1-2" x 0.135"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail
7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam		2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown; or	End nail
		3-10d common (3" x 0.148"); or 4-16d box (3 1/2" x 0.135"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail
Wall			
8. Stud to stud (not at braced wall panels)		16d common (3 1/2" x 0.162");	24" o.c. face nail
		10d box (3" x 0.128"); or 3" x 0.131" nails; or 3-3" 14 gage staples 7/16" crown	16" o.c. face nail
9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)		16d common (3 1/2" x 0.162"); or 16d box (3 1/2" x 0.135"); or 3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	16" o.c. face nail
		16d common (3 1/2" x 0.162"); or 16d box (3 1/2" x 0.135")	12" o.c. face nail
10. Built-up header (2" to 2" header)		16d common (3 1/2" x 0.162"); or 16d box (3 1/2" x 0.135")	16" o.c. each edge, face nail
11. Continuous header to stud		4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128")	12" o.c. each edge, face nail
12. Top plate to top plate		16d common (3 1/2" x 0.162"); or 10d box (3" x 0.128"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	12" o.c. face nail
13. Top plate to top plate, at end joints		8-16d common (3 1/2" x 0.162"); or 12-10d box (3" x 0.128"); or 12-3" x 0.131" nails; or 12-3" 14 gage staples, 7/16" crown	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)
14. Bottom plate to joist, rim joist, band joist, or blocking (not at braced wall panels)		16d common (3 1/2" x 0.162"); or 16d box (3 1/2" x 0.135"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	16" o.c. face nail
		2-16d common (3 1/2" x 0.162"); or 3-16d box (3" x 0.135"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	12" o.c. face nail
15. Bottom plate to joist, rim joist, band joist, or blocking at braced wall panels		2-16d common (3 1/2" x 0.162"); or 3-16d box (3" x 0.135"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	16" o.c. face nail
16. Stud to top or bottom plate		4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or	Toenail
		2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail
17. Top plates, laps at corners and intersections		2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Face nail
18. 1" brace to each stud and plate		2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128"); or 2-3" x 0.131" nails; or 2-3" 14 gage staples, 7/16" crown	Face nail
19. 1" x 6" sheathing to each bearing		2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128")	Face nail
20. 1" x 8" and wider sheathing to each bearing		3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128")	Face nail

Floor	
21. Joist to sill, top plate, or girder	
22. Rim joist, band joist, or blocking to top plate, sillor other framing below	
23. 1" x 6" subfloor or less to each joist	
24. 2" subfloor to joist or girder	
25. 2" planks (plank & beam - floor & roof)	
26. Built-up girders and beams, 2" lumber layers	
27. Ledger strip supporting joists or rafters	
28. Joist to band joist or rim joist	
29. Bridging or blocking to joist, rafter or truss	

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing an dparticleboard wall sheathing to framinga			
		Edges (inches)	Intermediate supports (inches)
30. 3/8" - 1/2"	6d common or deformed (2" x 0.113") (subfloor and wall)	6	12
	8d common or deformed (2 1/2" x 0.131") (roof) or RSRS-01 (2 3/8" x 0.113") nail (roof)d	6	12
	2 3/8" x 0.113" nail (subfloor and wall)	6	12
	1 3/4" 16 gage staple, 7/16" crown (subfloor and wall)	4	8
	2 3/8" x 0.113" nail (roof)	4	8
	1 3/4" 16 gage staple, 7/16" crown (roof)	3	6
31. 19/32" - 3/4"	8d common (2 1/2" x 0.131"); or 6d deformed (2" x 0.113") (subfloor and wall)	6	12
	8d common or deformed (2 1/2" x 0.131") (roof) or RSRS-01 (2 3/8" x 0.113") nail (roof)d	6	12
	2 3/8" x 0.113" nail; or 2" 16 gage staple, 7/16" crown	4	8
	10d common (3" x 0.148"); or 8d deformed (2 1/2" x 0.131")	6	12
32. 7/8" - 1 1/4"			
Other exterior wall sheathing			
33. 1/2" fiberboard sheathingb	1 1/2" galvanized roofing nail (7/16" head diameter); or 1 1/4" 16 gage staple with 7/16" or 1" crown	3	6
34. 25/32" fiberboard sheathingb	1 3/4" galvanized roofing nail (7/16" diameter head); or 1 1/2" 16 gage staple with 7/16" or 1" crown	3	6
Wood structural panels, combination subfloor underlayment to framing			
35. 3/4" and less	8d common (2 1/2" x 0.131"); or 6d deformed (2" x 0.113")	6	12
36. 7/8" - 1"	8d common (2 1/2" x 0.131"); or 8d deformed (2 1/2" x 0.131")	6	12
37. 1 1/8" - 1 1/4"	10d common (3" x 0.148"); or 8d deformed (2 1/2" x 0.131")	6	12
Panel siding to framing			
38. 1/2" or less	6d corrosion-resistant siding (1 7/8" x 0.106"); or 6d corrosion-resistant casing (2" x 0.099")	6	12
39. 5/8"	8d corrosion-resistant siding (2 3/8" x 0.128"); or 8d corrosion-resistant casing (2 1/2" x 0.113")	6	12
Interior paneling			
40. 1/4"	4d casing (1 1/2" x 0.080"); or 4d finish (1 1/2" x 0.072")	6	12
41. 3/8"	6d casing (2" x 0.099"); or 6d finish (Panel supports at 24 inches)	6	12

For SI: 1 inch = 25.4mm

a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.

b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).

c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.

d. RSRS-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 25000054 WILLIAM JOHN PELTZER 11/21/2025

FACTORY SHOALS PARK\_NORTHSIDE RESTROOM BUILDING PREPARED FOR: NEWTON COUNTY, GEORGIA

COVINGTON

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WILLIAM JOHN PELTIER  
11/21/2025

FACTORY SHOALS PARK\_NORTHSIDE  
RESTROOM BUILDING  
PREPARED FOR:  
NEWTON COUNTY, GEORGIA

GEORGIA  
COVINGTON

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NO. DATE DESCRIPTION  


SHEET TITLE  
GENERAL NOTES

PROJECT NO. 23042-1  
DRAWN BY TJU  
CHECKED BY ARY  
SHEET NO.

DATE 11/21/2025  
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PLACE  
STAMP  
HERE



FACTORY SHOALS PARK\_NORTHSIDE  
RESTROOM BUILDING  
PREPARED FOR:

NEWTON COUNTY, GEORGIA

COVINGTON

SUBMITTALS / REVISIONS

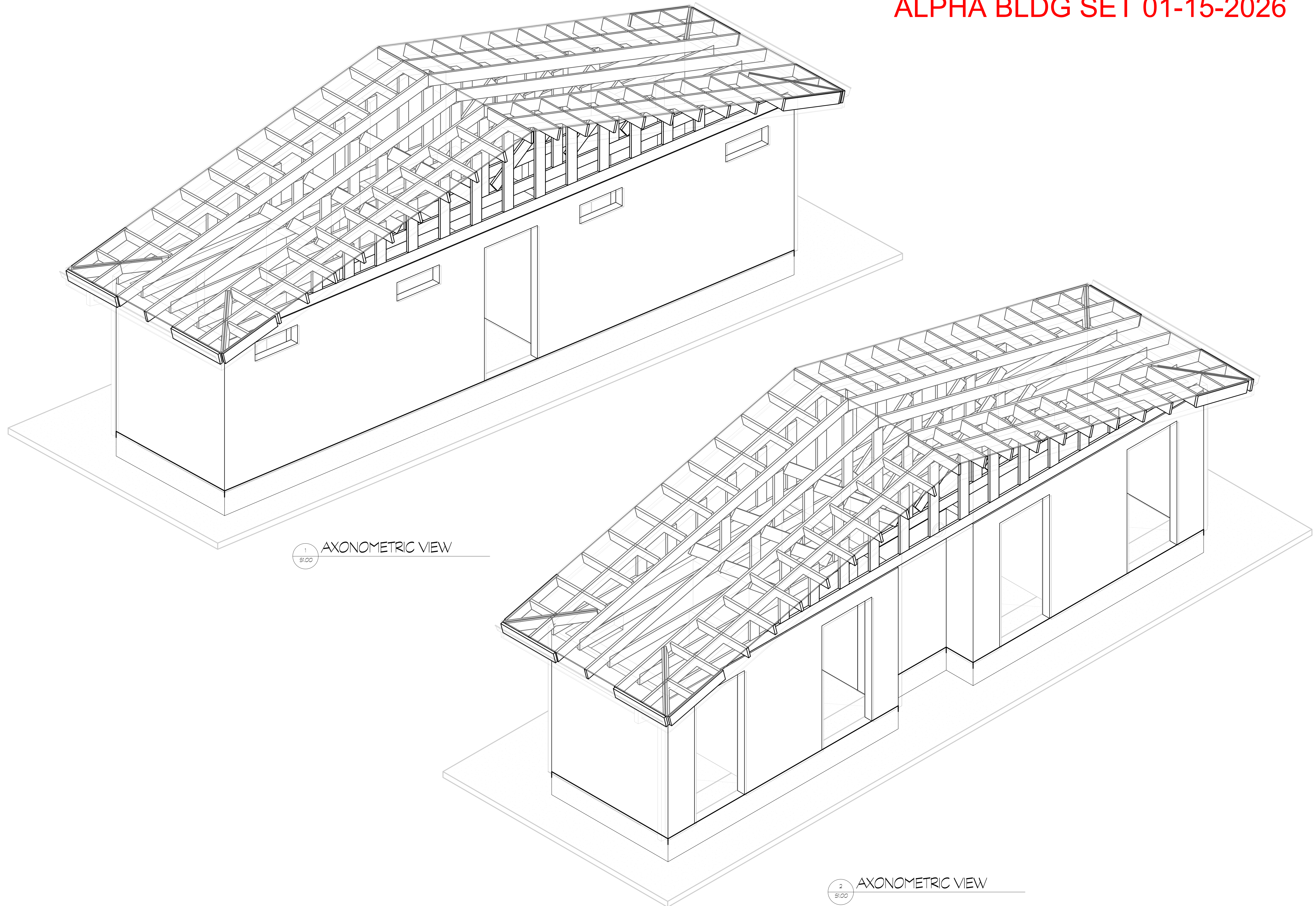
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HEET TITLE

**AXONOMETRIC  
VIEW**

PROJECT NO. <b>8042-1</b>	DATE <b>11/21/2025</b>
PAWN BY <b>TJU</b>	SCALE
CHECKED BY <b>ARY</b>	
FEET NO.	

\$1.00

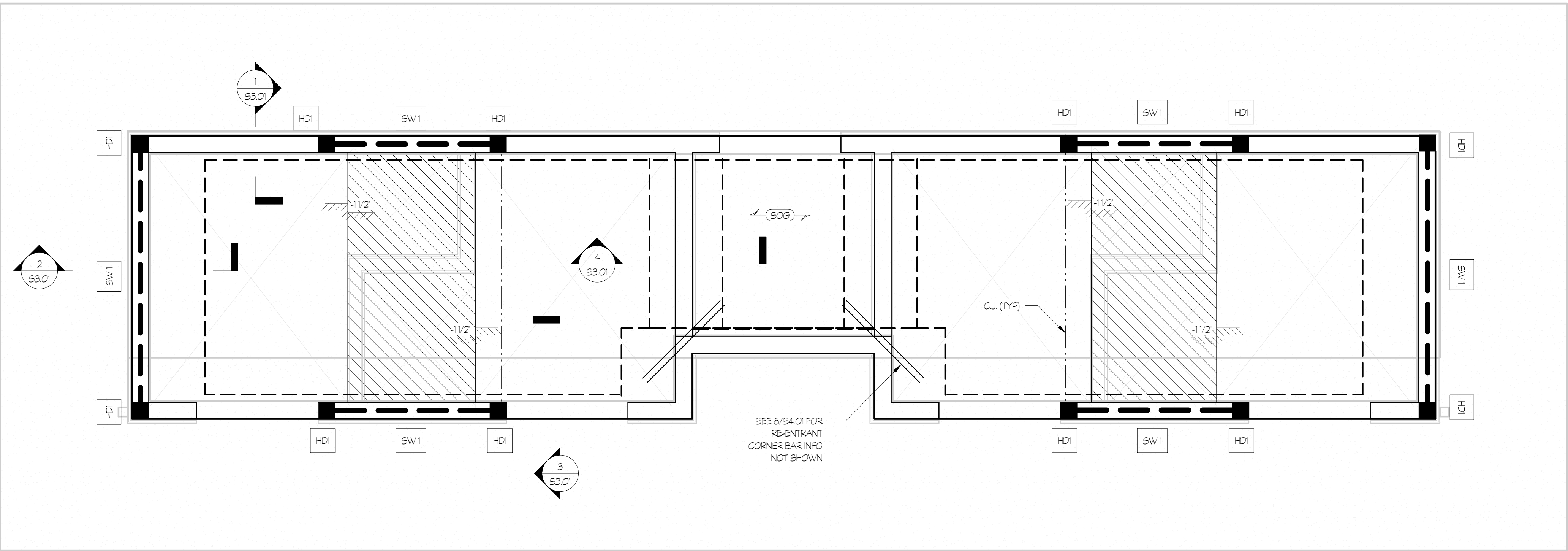




SUBMITTALS / REVISIONS		
NO	DATE	DESCRIPTION

SHEET TITLE  
FOUNDATION &  
ROOF FRAMING  
PLANS

PROJECT NO. 23042-1	DATE 11/21/2025
DRAWN BY TJU	SCALE As indicated
CHECKED BY ARY	
SHEET NO.	



1  
S1.01  
1/2" = 1'-0"

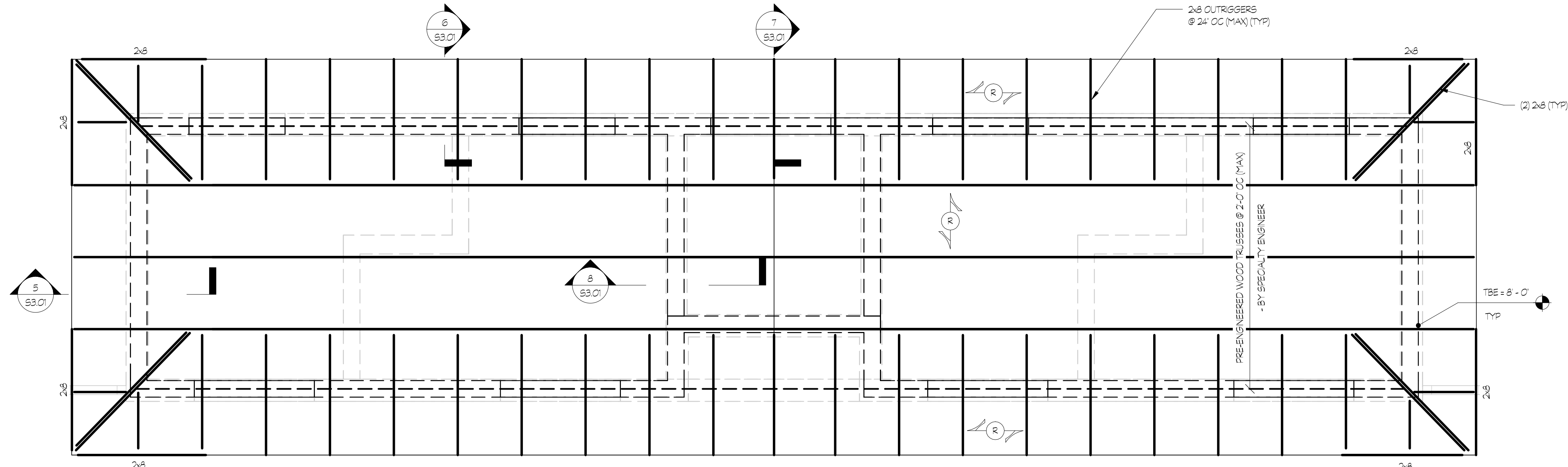
FOUNDATION PLAN

FOUNDATION AND SLAB NOTES

1. SLAB ON GRADE SHALL BE 4" CONC SLAB (3000 PSI) ON 10 MIL (MIN) VAPOR RETARDER ON 4" FLOOR SLAB BASE MATERIAL W/ (1) LAYER 6x8 W1x4x1/4 WWFT FROM TOP OF SLAB, UND ON PLAN. ALL SLOPES TO DRAINS SHALL BE ACCOMMODATED BY SLOPING BOTTOM AND TOP OF SLAB AT THE SAME RATE (SEE 5/54.01) FFE = + 0'-0"
2. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN.
3. 'CJ' INDICATES CONTROL/CONSTRUCTION JOINTS IN SLAB ON GRADE. SEE 6/54.01 FOR ADDL INFORMATION WITH REGARD TO CONTROL JOINT REQUIREMENTS ADDITIONAL INFORMATION.
4. 'SW' INDICATES 2x @ 24" OC TIMBER SHEAR WALL. FASTEN SHEATHING AS INDICATED ON 54.02
5. 'FD' INDICATES HOLDDOWN - SEE 54.02 FOR MORE INFO
6. WJPA SHALL REVIEW THE PRE-ENGINEERED SHOP DRAWINGS FOR ACTUAL ANTICIPATED LOADS PRIOR TO CONSTRUCTION OF THIS STRUCTURE. SUBMIT SHOP DRAWINGS THROUGH TYPICAL SUBMITTAL PROCESS.
7. 'XXX' INDICATES STEP IN FFE. - SEE DETAIL 9/54.01 FOR MORE INFORMATION.

NOTES TO CONTRACTOR

1. THE CONTRACTOR SHALL REFER TO THE PLUMBING, MECHANICAL, & ELECTRICAL DRAWINGS AND NOTE THE LOCATION OF ALL UNDERGROUND OR UNDER FLOOR PIPING & CONDUITS. THE CONTRACTOR SHALL INCORPORATE ALL FOOTING STEPS NECESSARY PER THE REQUIREMENTS OF ALL UNDERGROUND OR UNDER FLOOR PIPING, MECHANICAL, AND ELECTRICAL PIPING. THE CONTRACTOR SHALL REFER TO THE TYPICAL FOUNDATION DETAILS 2 THRU 4/54.01 WHEN PERFORMING THIS WORK. LOCATION OF ALL STEPPED FOOTINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL STEP FOOTING LOCATIONS SHALL BE SHOWN ON THE FOUNDATION SHOP DRAWINGS AND REVIEWED BY THE SEOR PRIOR TO INSTALLATION.



3  
S1.01  
1/2" = 1'-0"

ROOF FRAMING PLAN

TYPICAL ROOF FRAMING NOTES

1. INDICATES SPAN 5/8" PLYWOOD T&G ROOF SHEATHING. FASTEN TO ALL SUPPORTS WITH 10d COMMON NAILS AT 6" OC EDGE & 12" OC FIELD. ALL JOINTS IN SHEATHING SHALL OCCUR OVER AND BE FASTENED TO COMMON FRAMING MEMBERS OR COMMON BLOCKING. PANELS SHALL BE BLOCKED AT PERIMETER OF ROOF AND AT DIRECTIONAL CHANGES.
2. CONTRACTOR SHALL COORDINATE THE LOCATIONS AND SIZES OF ALL ROOF OPENINGS.
3. SEE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN IN STRUCTURAL PLANS.
4. TBE - INDICATES TRUSS BEARING ELEVATION

ROOF LOADS

ROOF DEAD LOAD @ TRUSSES 10 PSF TOP CHORD  
5 PSF BOT CHORD

LIVE LOAD

ROOF LIVE LOAD 20 PSF TOP CHORD



PLACE  
STAMP  
HERE



FACTORY SHOALS PARK\_NORTHSIDE  
RESTROOM BUILDING

PREPARED FOR:  
NEWTON COUNTY, GEORGIA

GEORGIA

COVINGTON

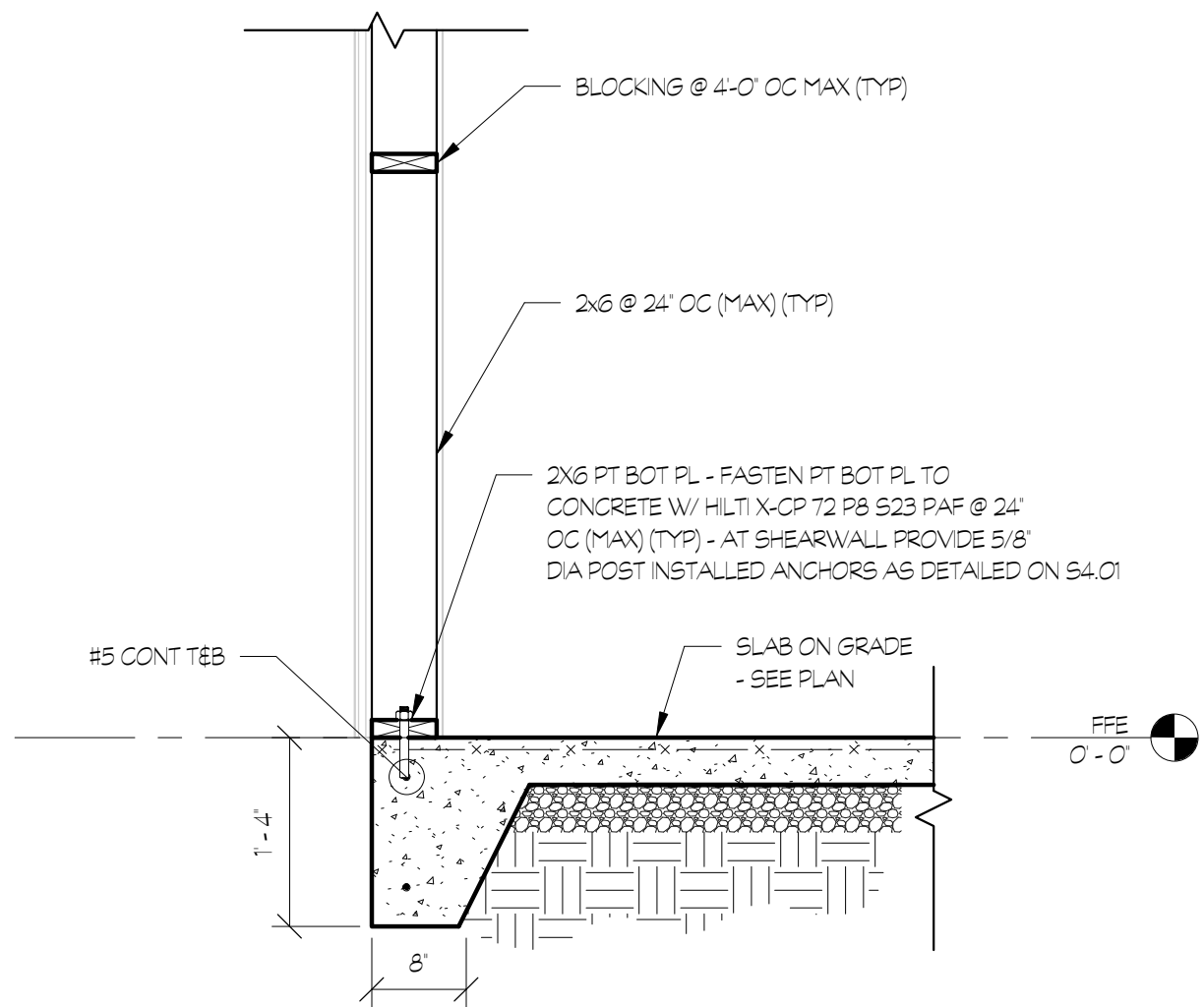
SUBMITTALS / REVISIONS		
NO	DATE	DESCRIPTION

SHEET TITLE  
**SECTIONS &  
DETAILS**

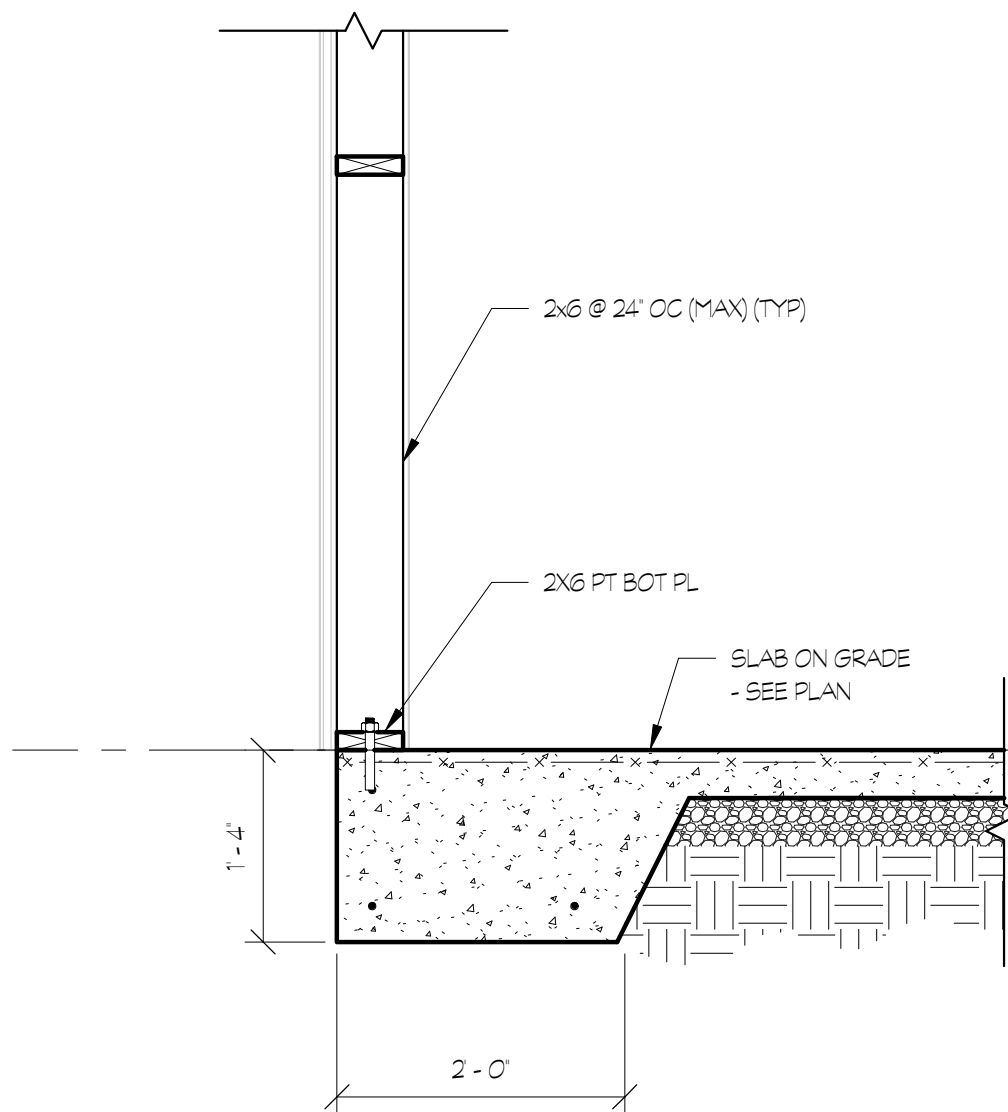
PROJECT NO.  
23042-1  
DRAWN BY  
TJU  
CHECKED BY  
ARY  
SHEET NO.

DATE  
11/21/2025  
SCALE  
3/4" = 1'-0"

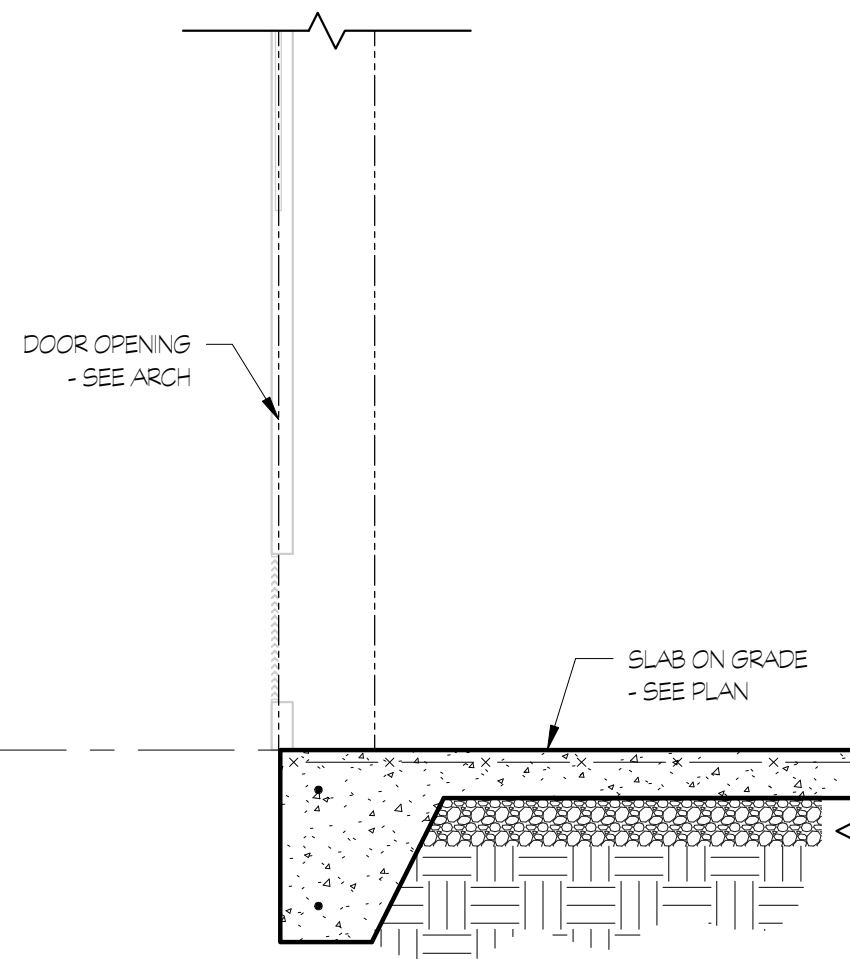
S3.01



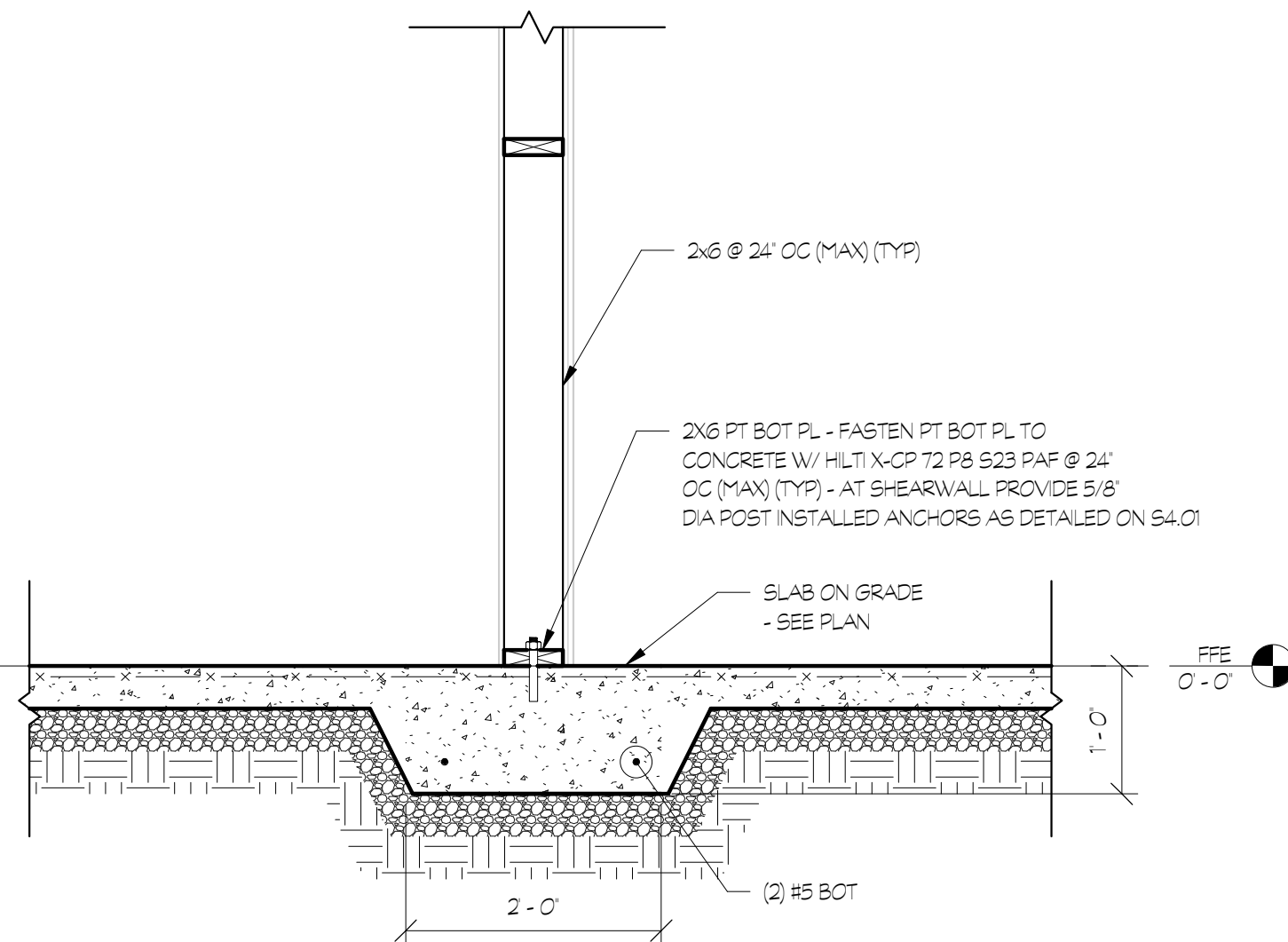
1 SECTION  
S3.01 3/4" = 1'-0"



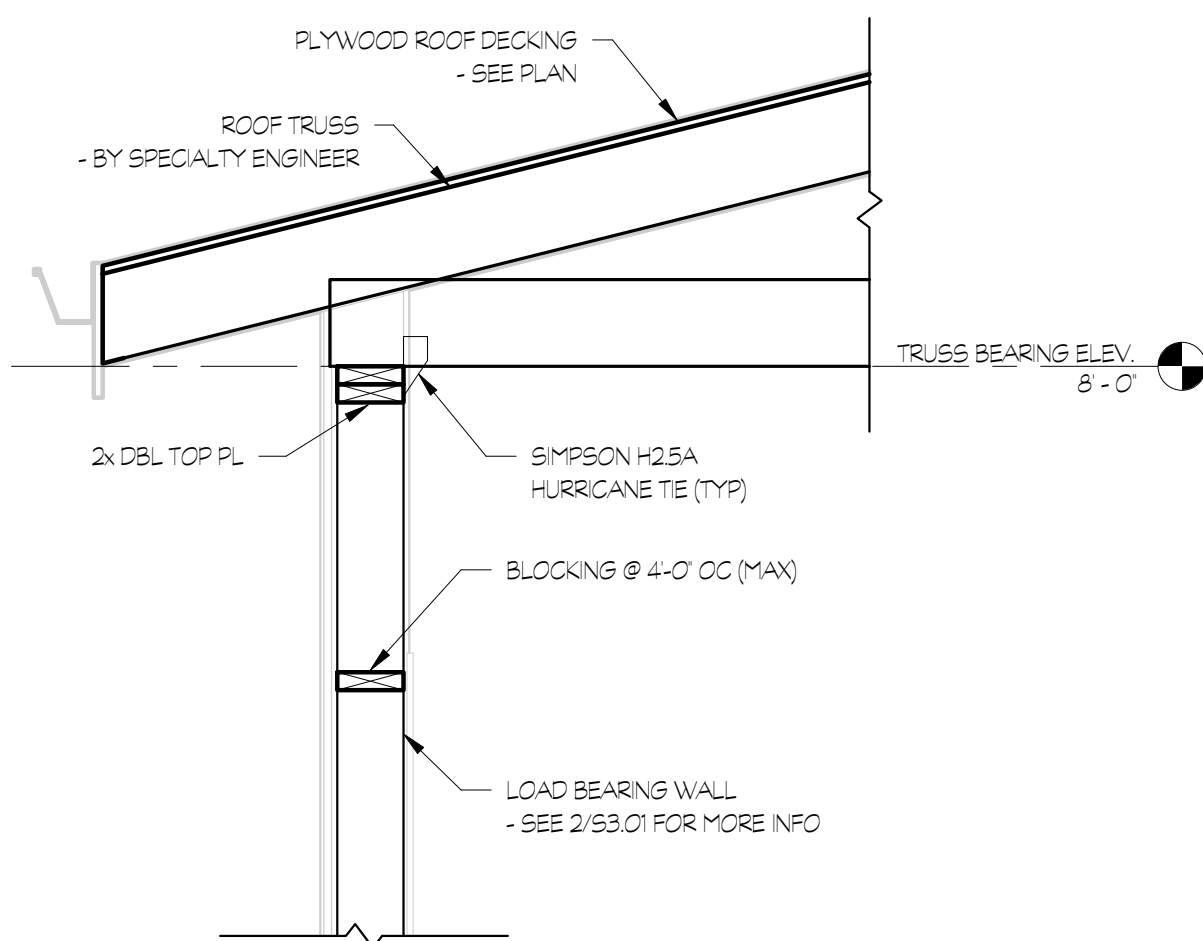
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S3.01 3/4" = 1'-0"



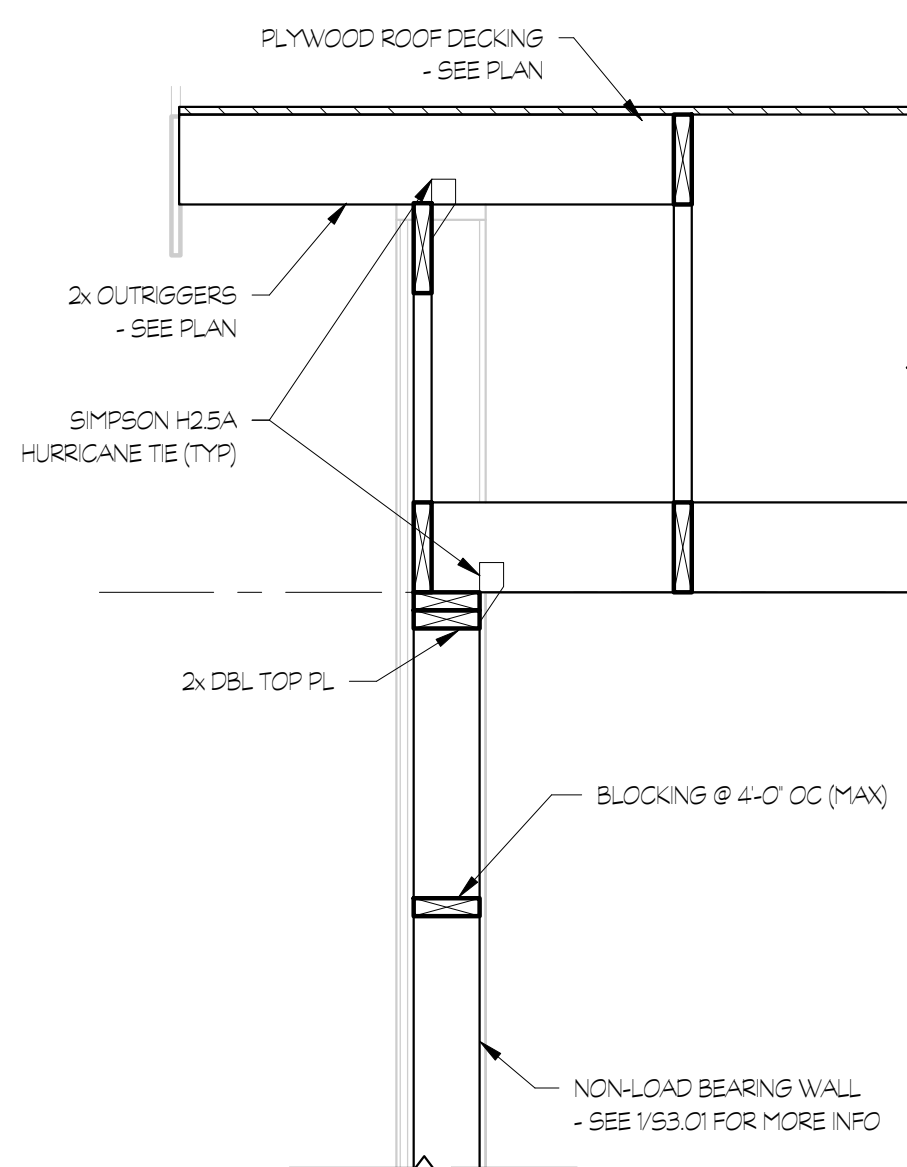
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S3.01 3/4" = 1'-0"



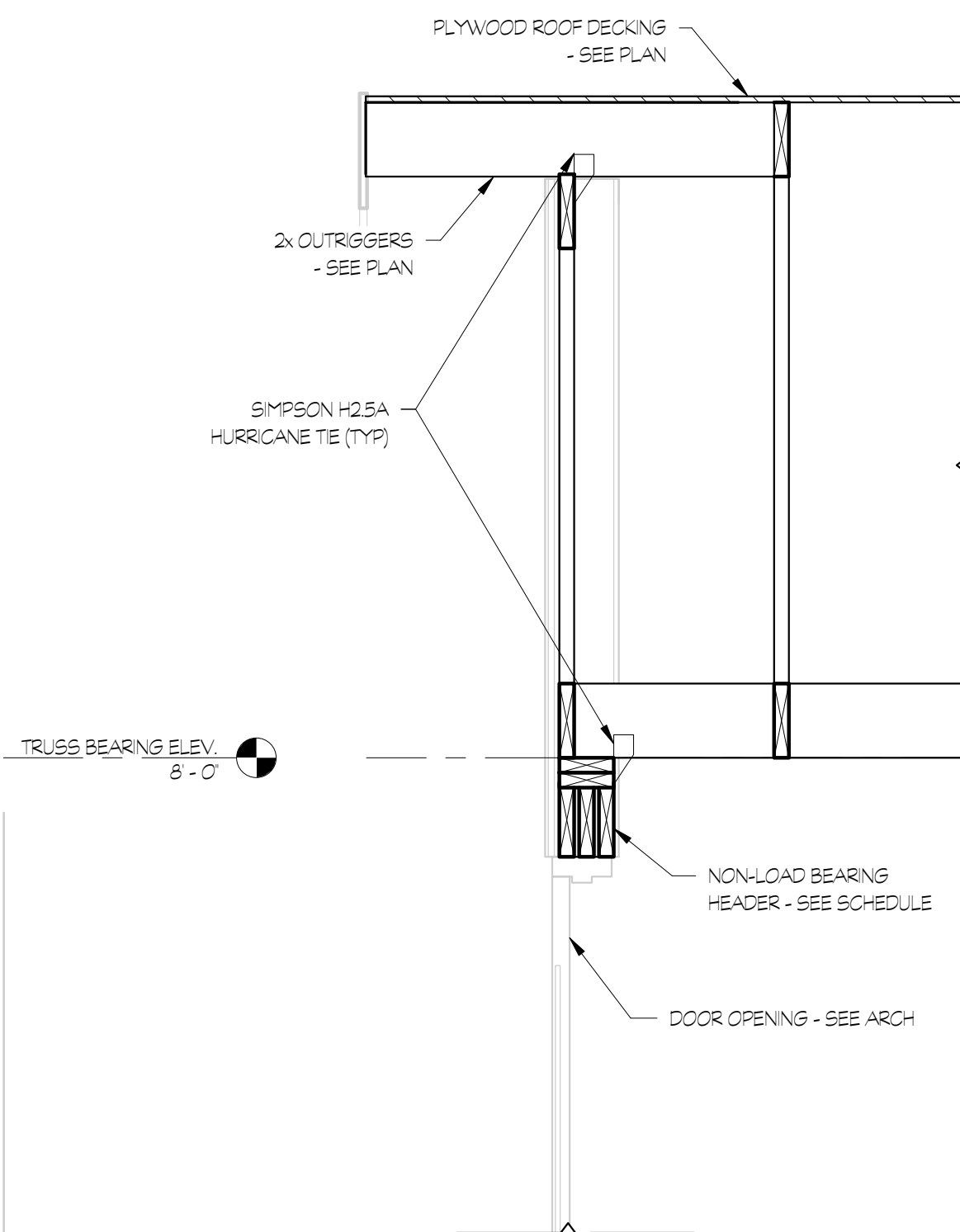
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S3.01 3/4" = 1'-0"



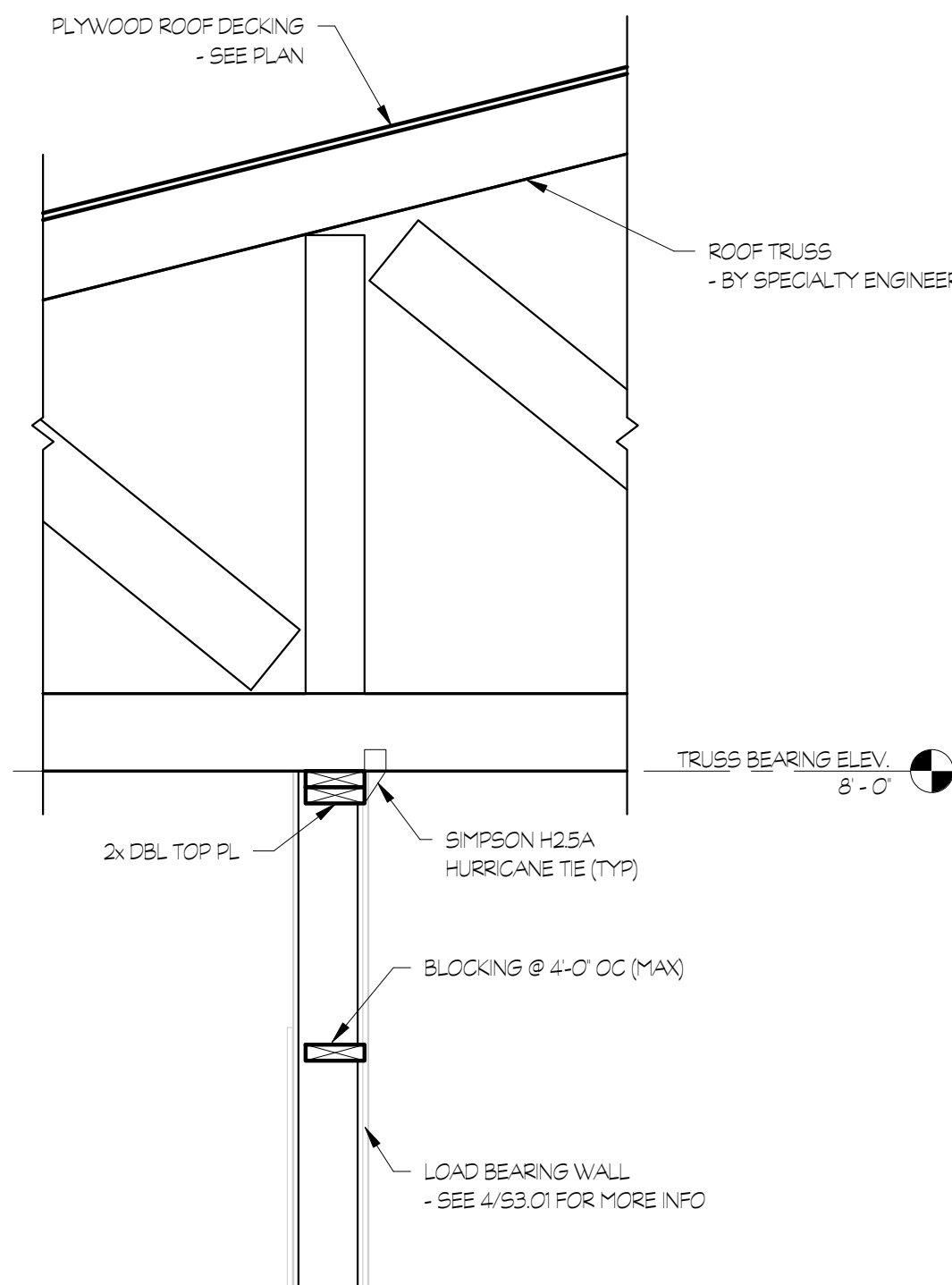
5 SECTION  
S3.01 3/4" = 1'-0"



6 SECTION  
S3.01 3/4" = 1'-0"

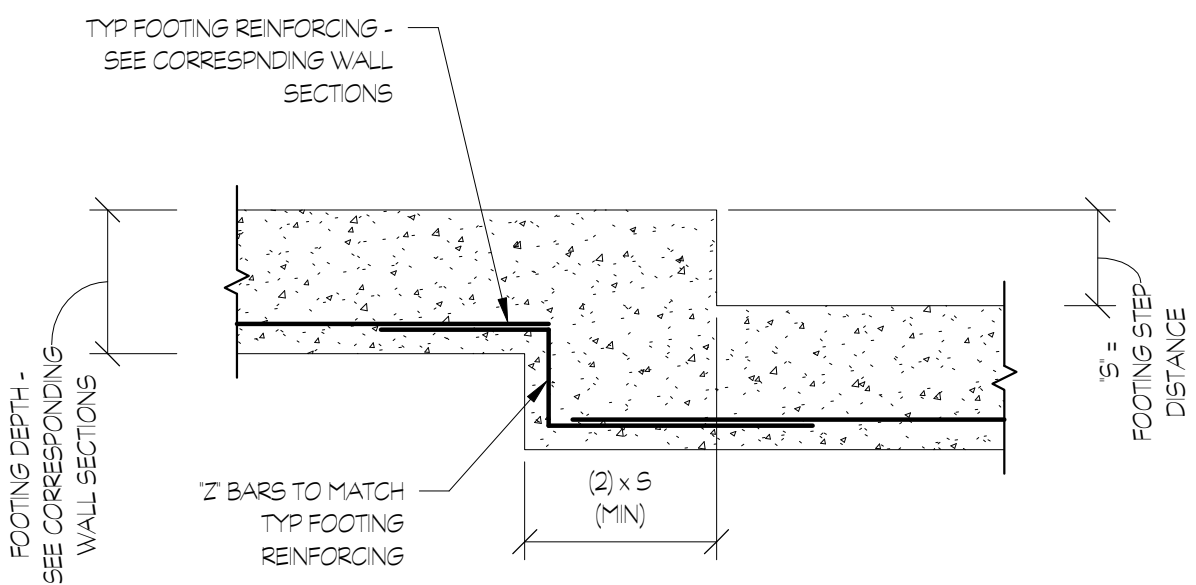


7 SECTION  
S3.01 3/4" = 1'-0"



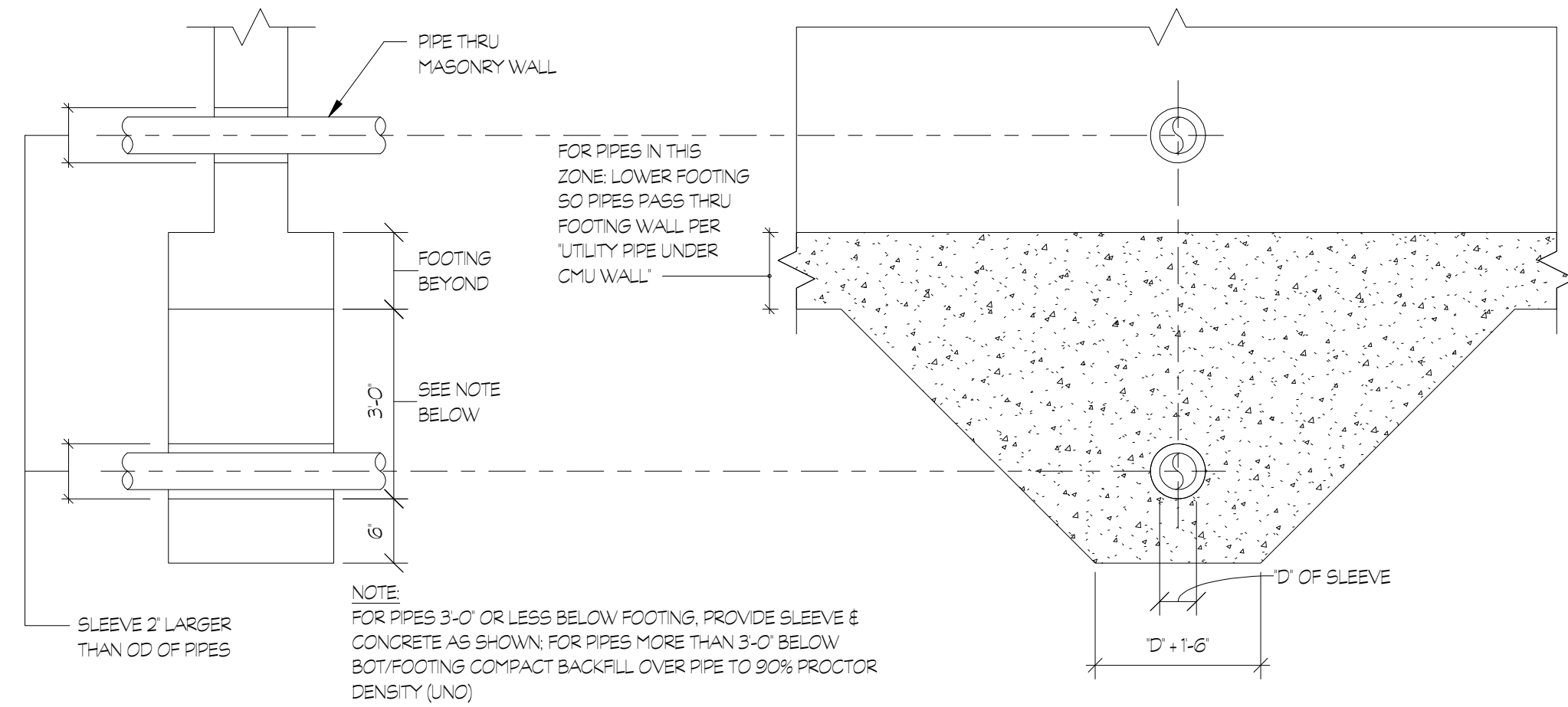
8 SECTION  
S3.01 3/4" = 1'-0"





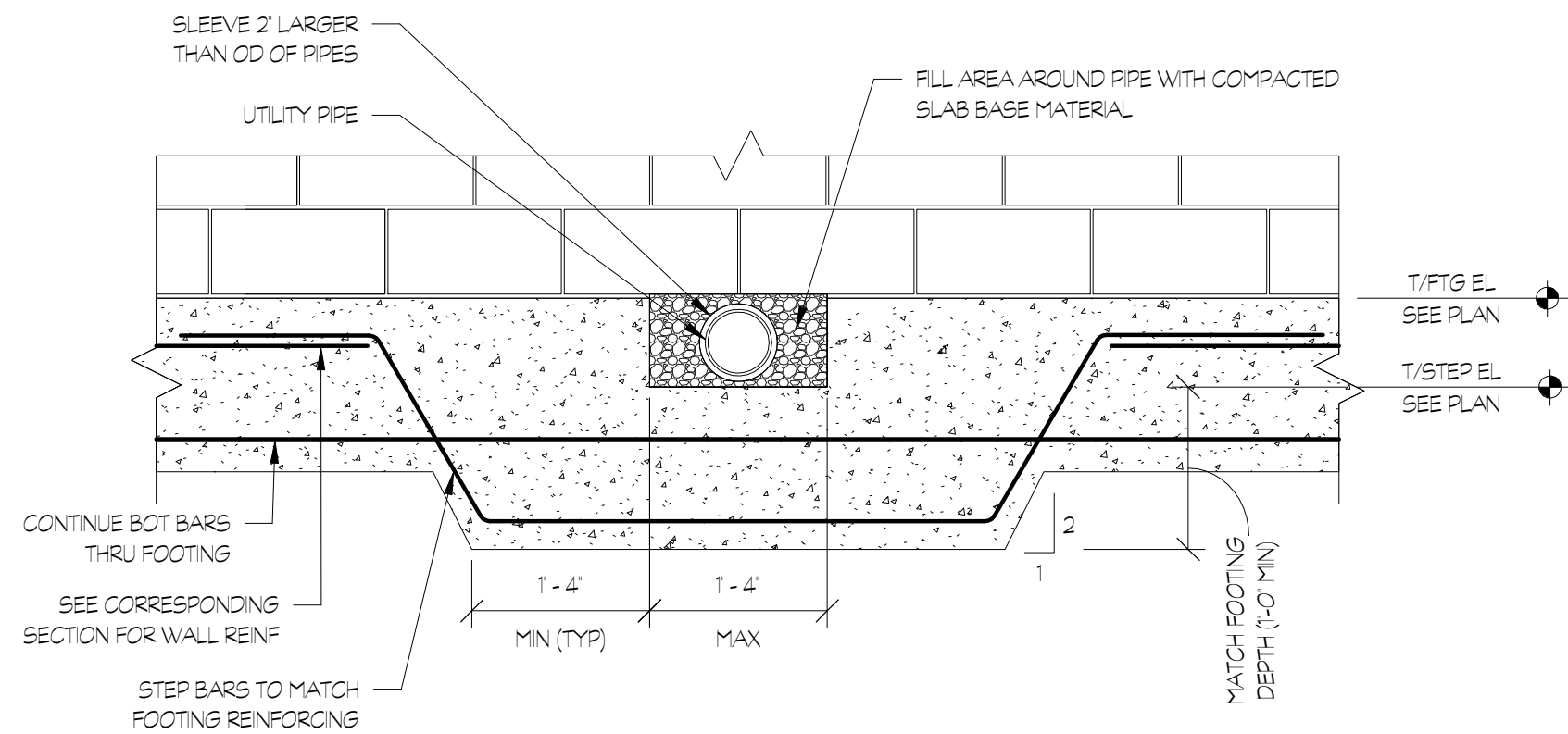
1  
S4.01 3/4" = 1'-0"

STEPPED CONTINUOUS FOOTING DETAIL



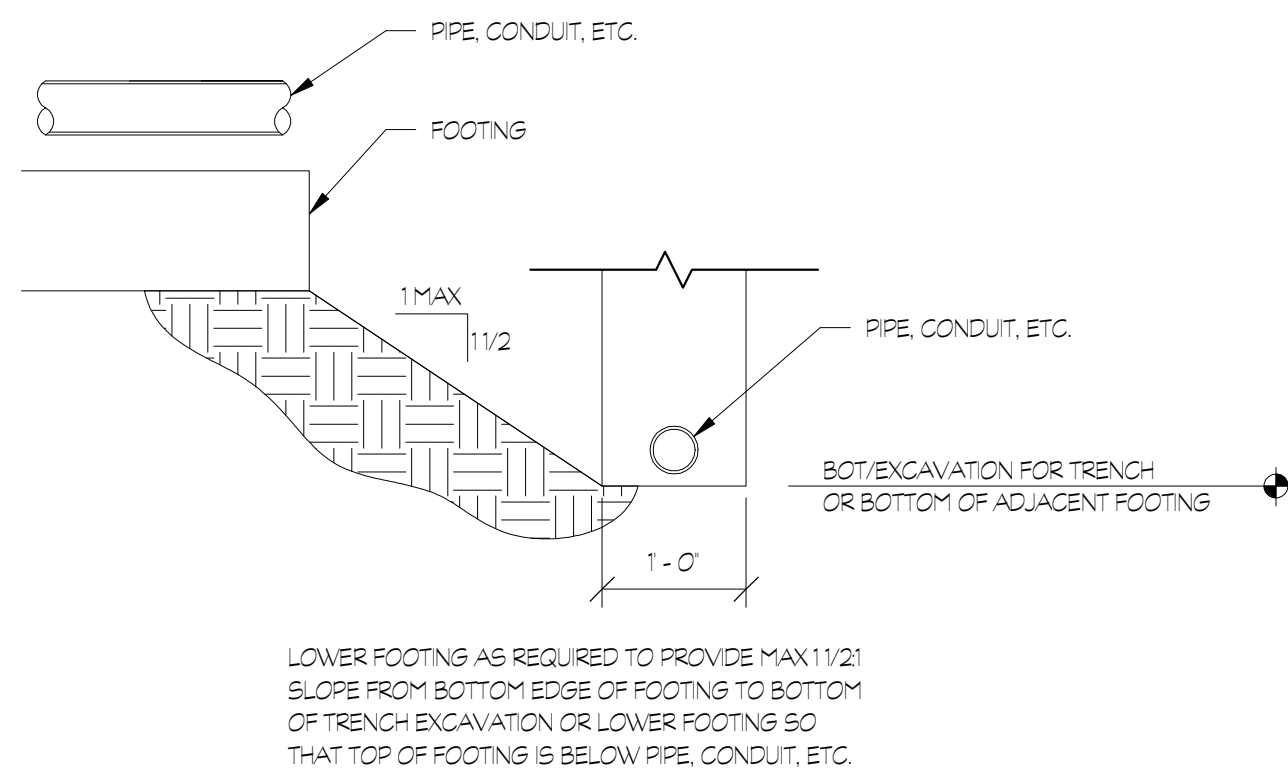
2  
S4.01 3/4" = 1'-0"

FOUNDATION DETAIL @ UTILITY PIPES



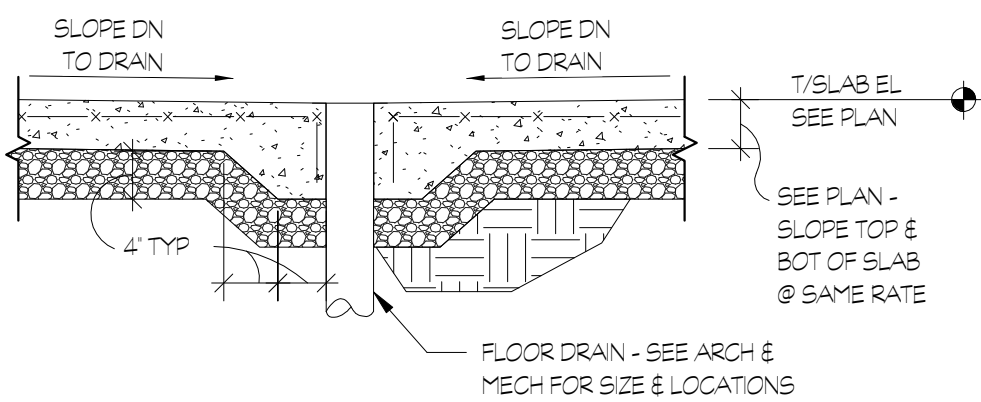
3  
S4.01 3/4" = 1'-0"

FOUNDATION DETAIL @ UTILITY PIPES



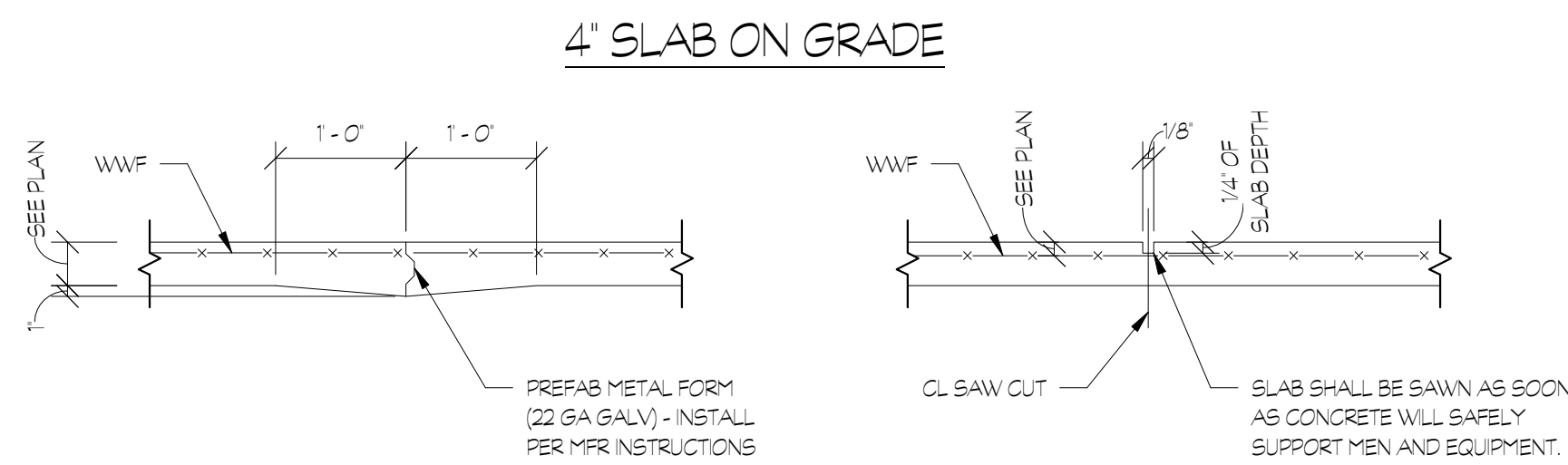
4  
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FOUNDATION INFLUENCE DETAIL



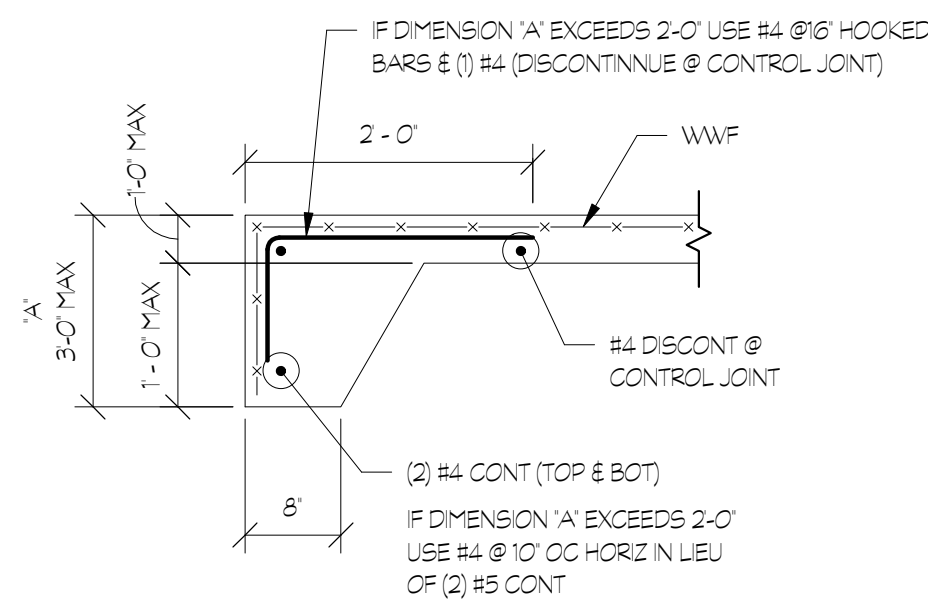
5  
S4.01 3/4" = 1'-0"

FLOOR SLAB DRAIN DETAIL



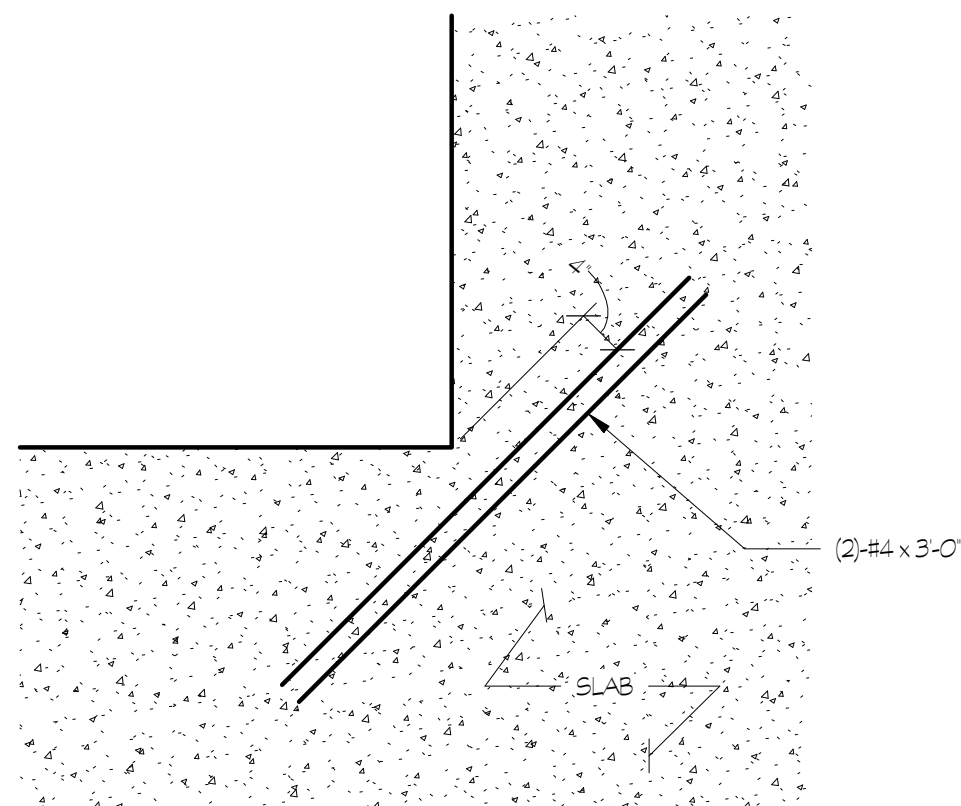
6  
S4.01 3/4" = 1'-0"

SLAB-ON-GRADE JOINT DETAILS



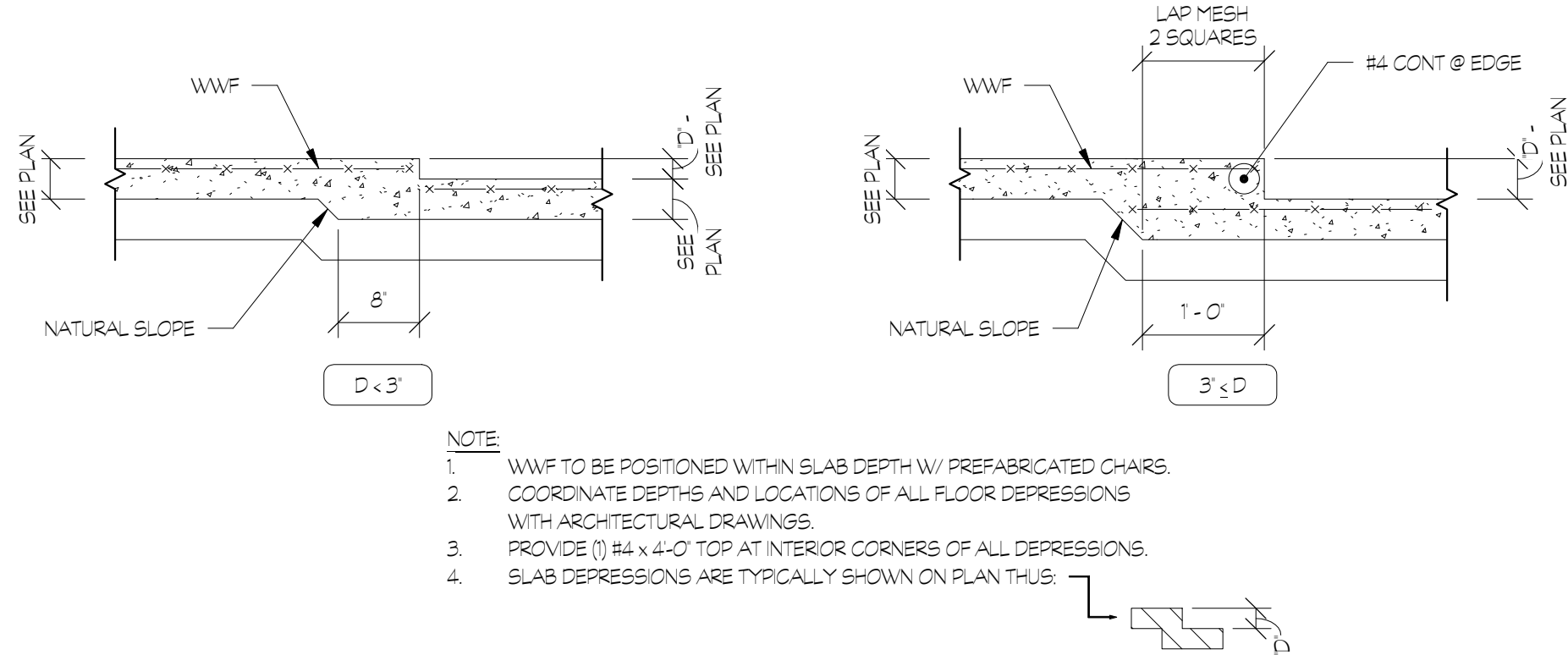
7  
S4.01 3/4" = 1'-0"

TYP TURNED DOWN SLAB



8  
S4.01 3/4" = 1'-0"

SLAB RE-ENTRANT CORNER DETAIL



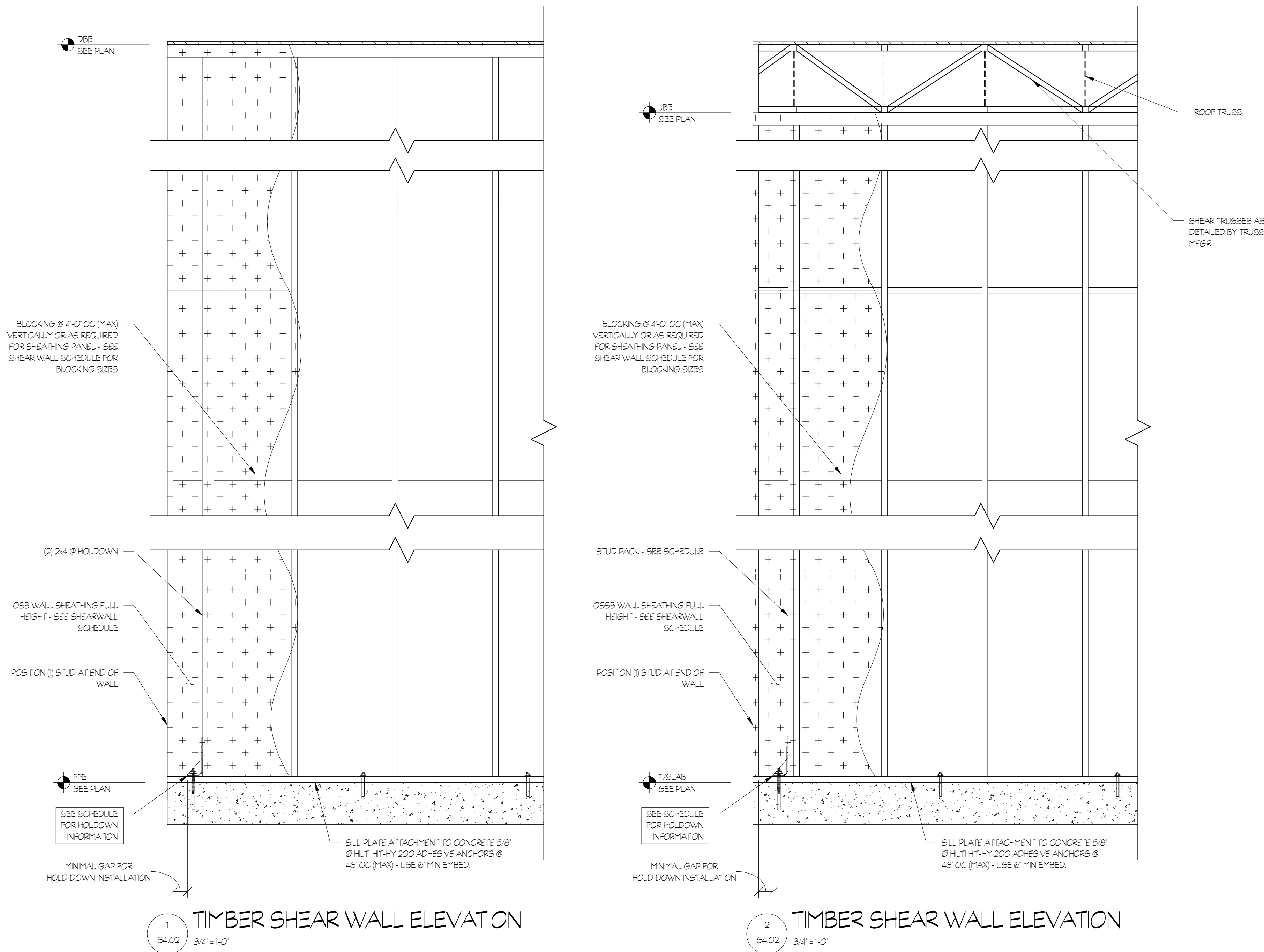
9  
S4.01 3/4" = 1'-0"

TYP DEPRESSED SLAB-ON-GRADE DETAILS

NO	DATE	DESCRIPTION



NO	DATE	DESCRIPTION



TIMBER SHEAR WALL SCHEDULE								
	DESCRIPTION	STUD SIZE & SPACING	SHEATHING	EDGE SHEATHING ATTACHMENTS	FIELD (INTERIOR) SHEATHING ATTACHMENTS	SILL PLATES (NOMINAL SIZE)	BLOCKING	SECTIONS
SW1	SHEARWALL	2x6 @ 24" OC	7/16" OSB (ONE SIDE)	10d @ 6" OC	10d @ 12" OC	2x6 PT	2x6	1&2/S4.02

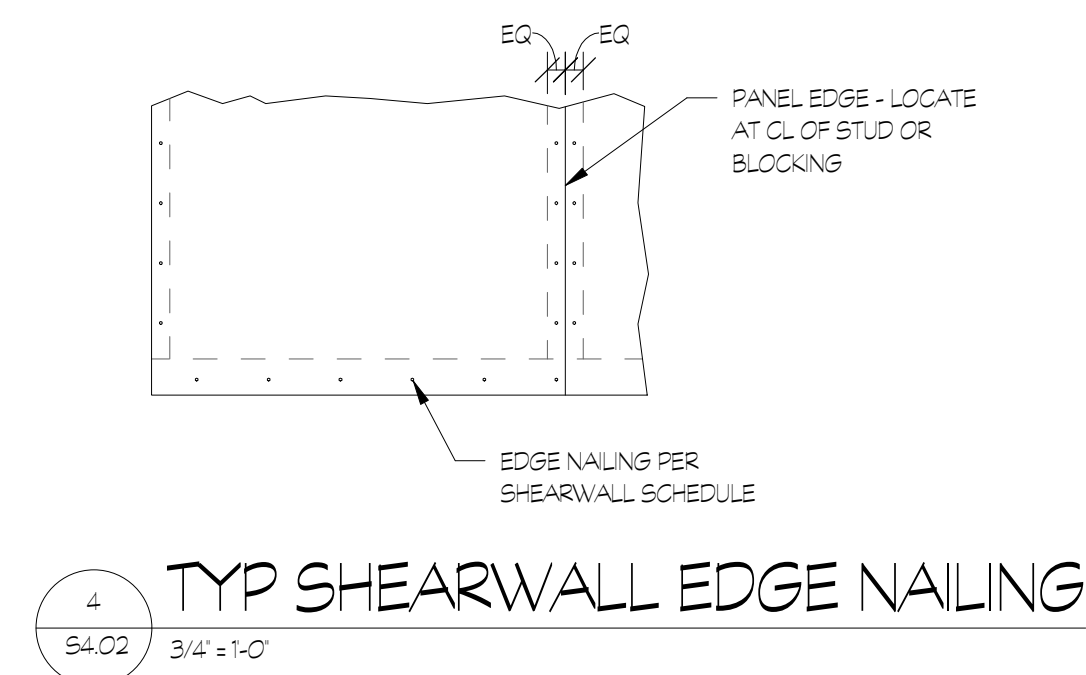
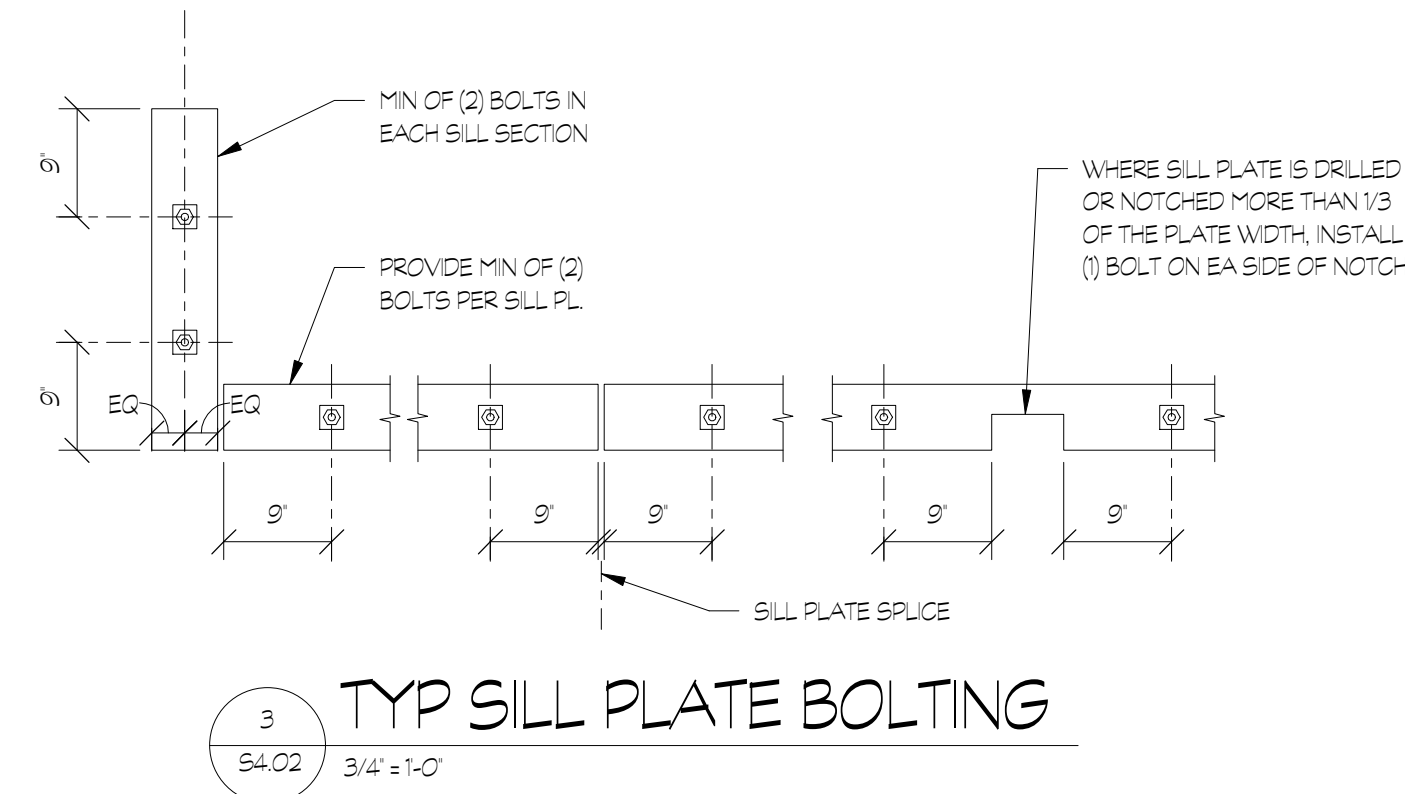
5  
S4.02  
3/4" = 1'-0"

TIMBER SHEAR WALL SCHEDULE

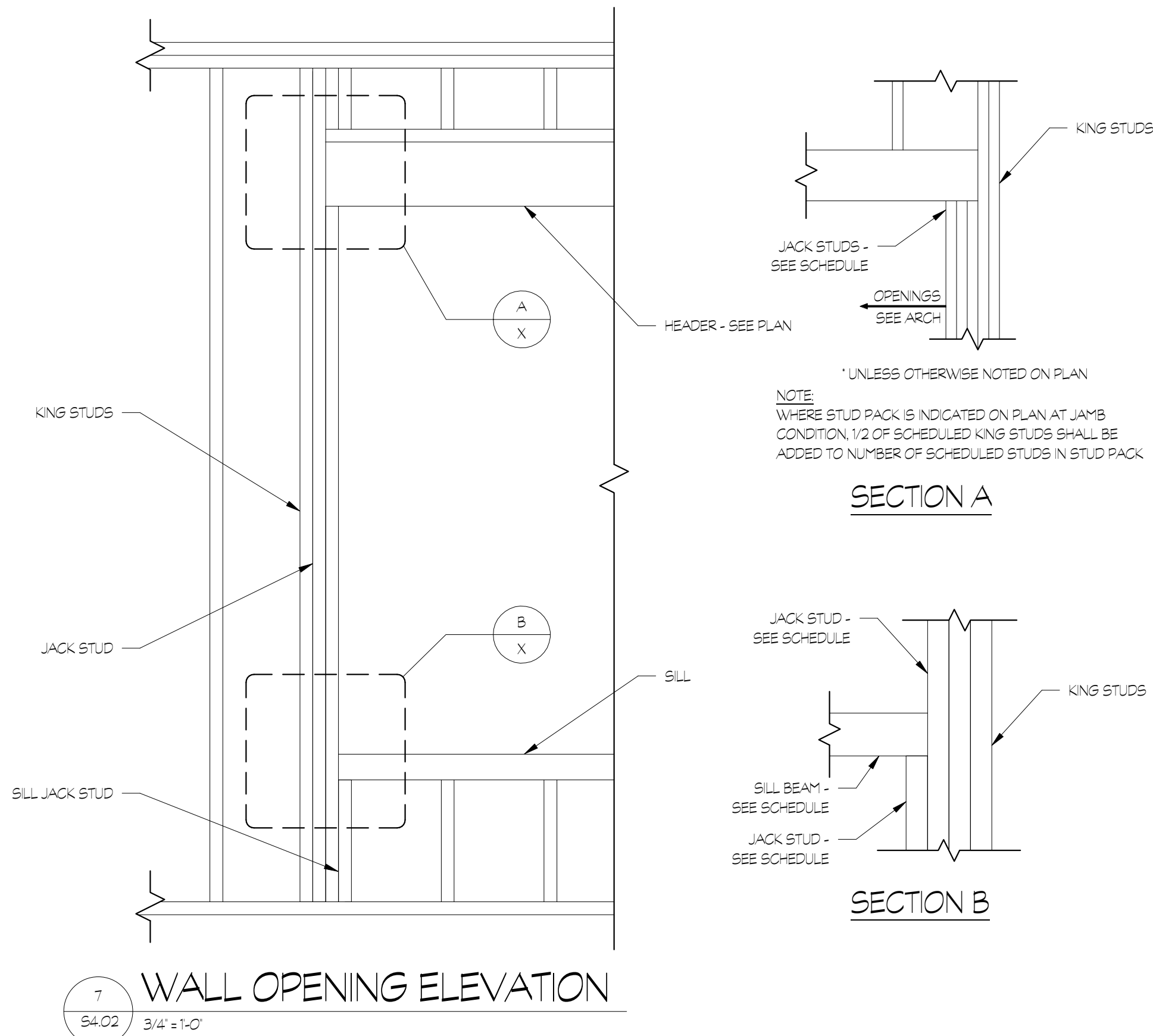
SHEARWALL HOLDOWN SCHEDULE					
MARK	HOLDOWN	ANCHOR ROD	JAMB POST/STUDS	STUD BOLTS	ANCHOR ROD EMBEDMENT
HDI	SIMPSON HOSB	5/8" DIA	(2) 2x6 STUDS OR (2) 2x4 STUDS	(2) 3/4" DIA BOLTS	5/8" Ø ADHESIVE ANCHOR - USE HILTI-HY 200 W/ 12" MIN EMBEDMENT

6  
S4.02  
3/4" = 1'-0"

SHEARWALL HOLDOWN SCHEDULE



NON LOAD BEARING HEADER SCHEDULE				SILL BEAM SCHEDULE	
SPAN OF OPENING	SIZE OF HEADER	# OF KING STUDS	# OF JACK STUDS	SPAN OF OPENING	BEAM SIZE
0' - 3'-6"	(2) 2x6 W/ (1) 1/2" PLYWOOD FLITCH PL.	2	2	0' - 8'-0"	(2) 2x4
3'-6" - 8'-0"	(2) 2x12 W/ (1) 1/2" PLYWOOD FLITCH PL.	3	2	8'-0" - 12'-0"	(3) 2x4



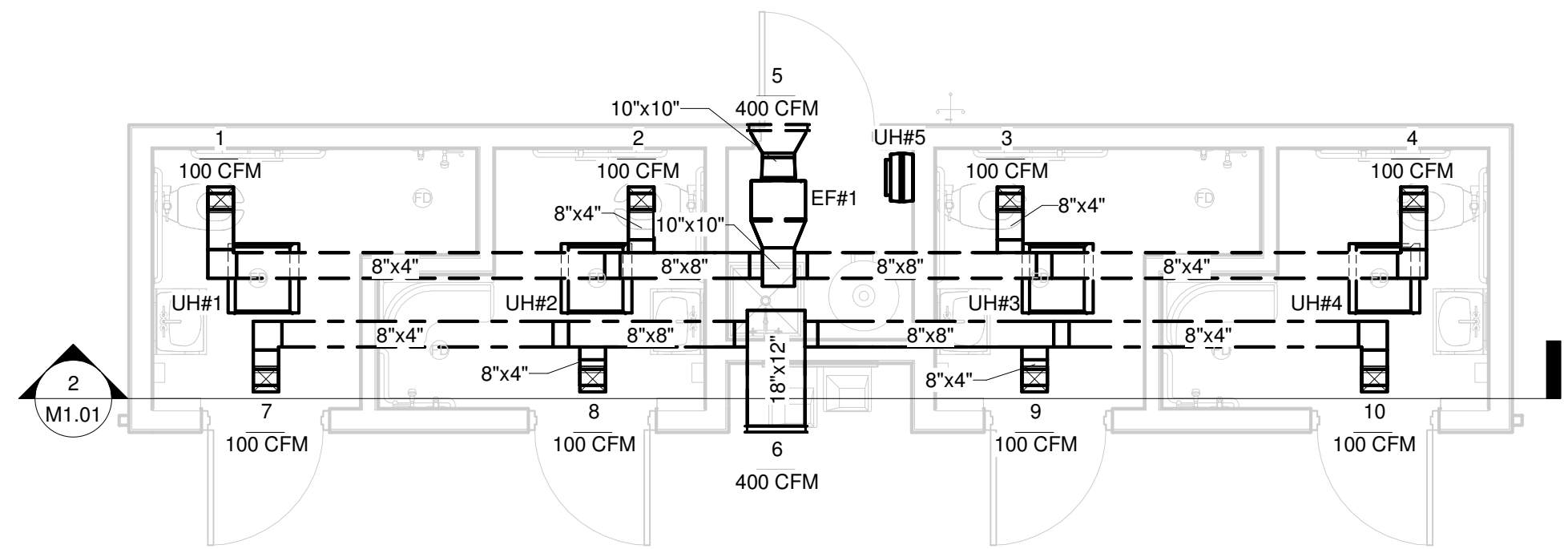


SUBMITTALS / REVISIONS		
NO	DATE	DESCRIPTION

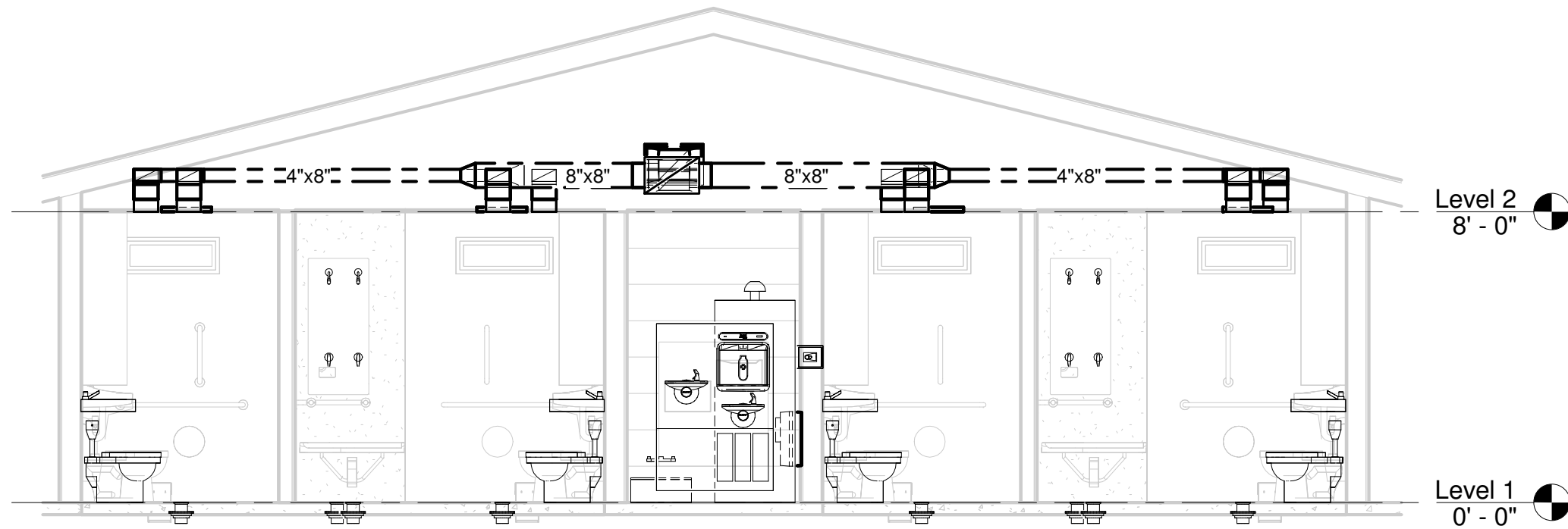
SHEET TITLE  
**HVAC FLOOR  
PLAN, SECTION,  
3D PLAN, &  
SCHEDULES**

PROJECT NO. <b>23042-1</b>	DATE <b>11/21/2025</b>
DRAWN BY <b>TMH</b>	SCALE <b>As indicated</b>
CHECKED BY <b>TMH</b>	
SHEET NO.	

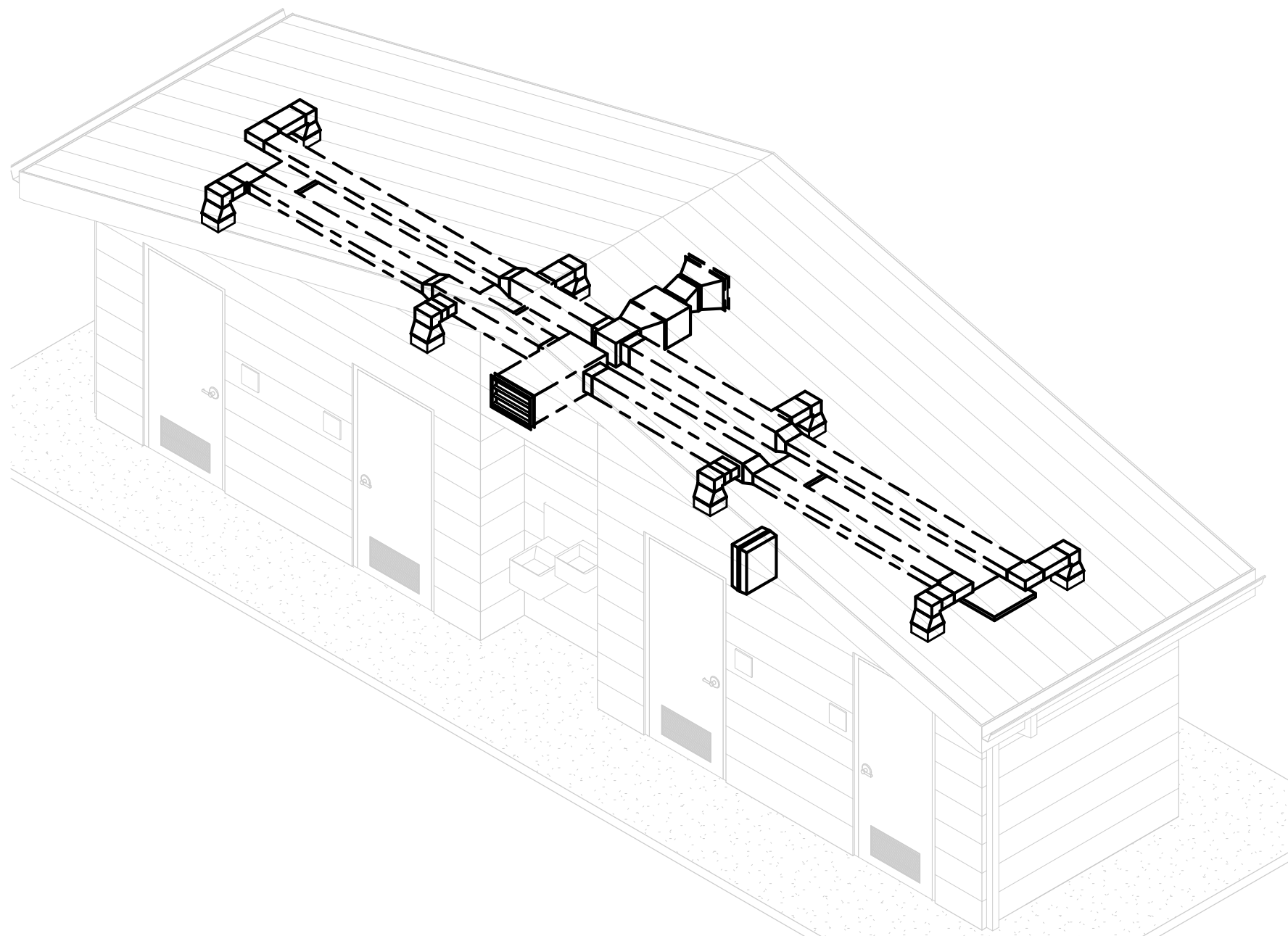
M1.01



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



2 HVAC SECTION 1  
1/4" = 1'-0"



3 HVAC 3D PLAN

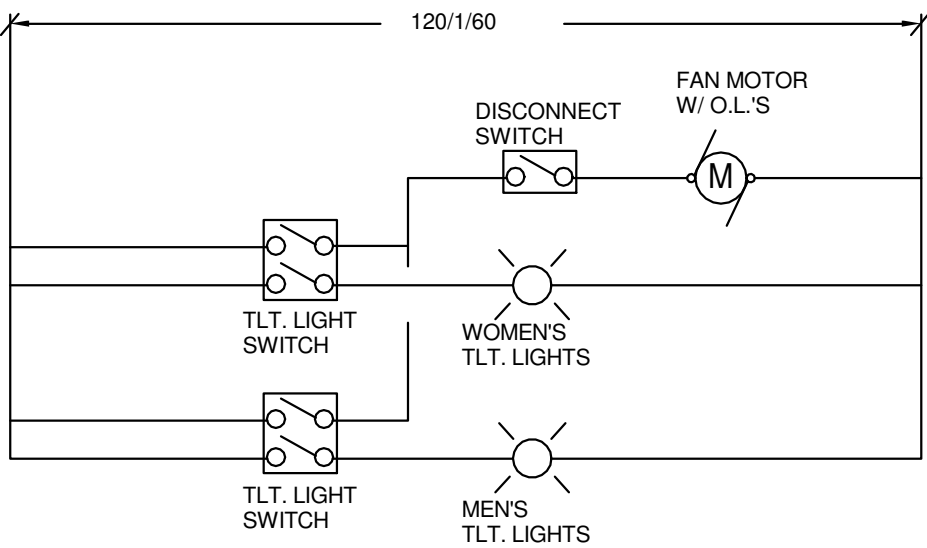
GENERAL MECHANICAL LEGEND	
	SUPPLY DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
	FLEX DUCTWORK
	TERMINAL TAG
	SUPPLY DUCT
	RETURN DUCT
	EXHAUST DUCT
	THERMOSTAT

EXHAUST FAN SCHEDULE		
EQUIP NO.	EF#1	---
TYPE	IN-LINE	---
SERVICE	SEE PLANS	---
CFM	400	---
STATIC PRESSURE	.375"	---
SONES	3.0	---
HP	118 WATTS	---
VOLTAGE	120/1/60	---
ACCESSORIES	NOTE 1,2	---
DAMPER TYPE	BACKDRAFT	---
SCREEN TYPE	---	---
MANUFACTURER	COOK	---
MODEL #	GN-622	---
1. PROVIDE FSC CONTROL AT FAN TO OBTAIN CFM.		
2. INTERLOCK FAN WITH THE LIGHTS.		

AIR TERMINAL SCHEDULE			
Mark	Size	Family and Type	Flow
1	8"x8"	Exhaust Grille: 8 x 8 Face 8 x 8 Connection	100 CFM
2	8"x8"	Exhaust Grille: 8 x 8 Face 8 x 8 Connection	100 CFM
3	8"x8"	Exhaust Grille: 8 x 8 Face 8 x 8 Connection	100 CFM
4	8"x8"	Exhaust Grille: 8 x 8 Face 8 x 8 Connection	100 CFM
5	18"x12"	Louver - Storm Resistant: Standard	400 CFM
6	18"x12"	Louver - Storm Resistant: Standard	400 CFM
7	8"x8"	Return Diffuser: 8 x 8 Face 8 x 8 Connection	100 CFM
8	8"x8"	Return Diffuser: 8 x 8 Face 8 x 8 Connection	100 CFM
9	8"x8"	Return Diffuser: 8 x 8 Face 8 x 8 Connection	100 CFM
10	8"x8"	Return Diffuser: 8 x 8 Face 8 x 8 Connection	100 CFM

UNIT HEATER SCHEDULE		
EQUIP NO.	UH#1-4	UH#5
TYPE	CLG. MTD.	WALL MTD.
SERVICE	SEE PLANS	SEE PLANS
CAPACITY MBH	17.1	17.1
K.W.	5.0	5.0
VOLTAGE	240/1/60	240/1/60
BLOWER	---	---
TYPE	DIRECT	DIRECT
CFM	425	245
H.P.	NEG.	NEG.
VOLTAGE	240/1/60	240/1/60
CONTROL VOLT.	24 V	24V
ACCESSORIES	NOTE 1,2	NOTE 1,2
SPACE T'STAT	---	---
MANUFACTURER	MARKEL	MARKEL
MODEL #	H3485	H3425
1. FLUSH MOUNTED WITH INTEGRAL DISCONNECT SWITCH.		
2. UNIT MOUNTED THERMOSTAT.		

GRILLE, REGISTER, & DIFFUSER SCHEDULE					
DESIGNAT.	DESCRIP.	MANUFACTURER	MODEL	DAMPER	FINISH
ALL TYP.	RET. REG.	TITUS	50F	NO	WHITE
ALL TYP.	EXH REG.	TITUS	50F	NO	WHITE



4 EXHAUST FAN CONTROL (EF#1)  
NOT TO SCALE

HVAC GENERAL NOTES:  
1. PAINT ALL ROOF AND WALL PENETRATIONS TO MATCH ROOF/WALL COLOR. COLOR TO BE SELECTED BY THE ARCHITECT.  
2. NO MAIN DUCT AND/OR BRANCH LINE WILL BE RUN BELOW THE CEILING.

COMcheck Software Version 4.1.5.1  
**Mechanical Compliance Certificate**

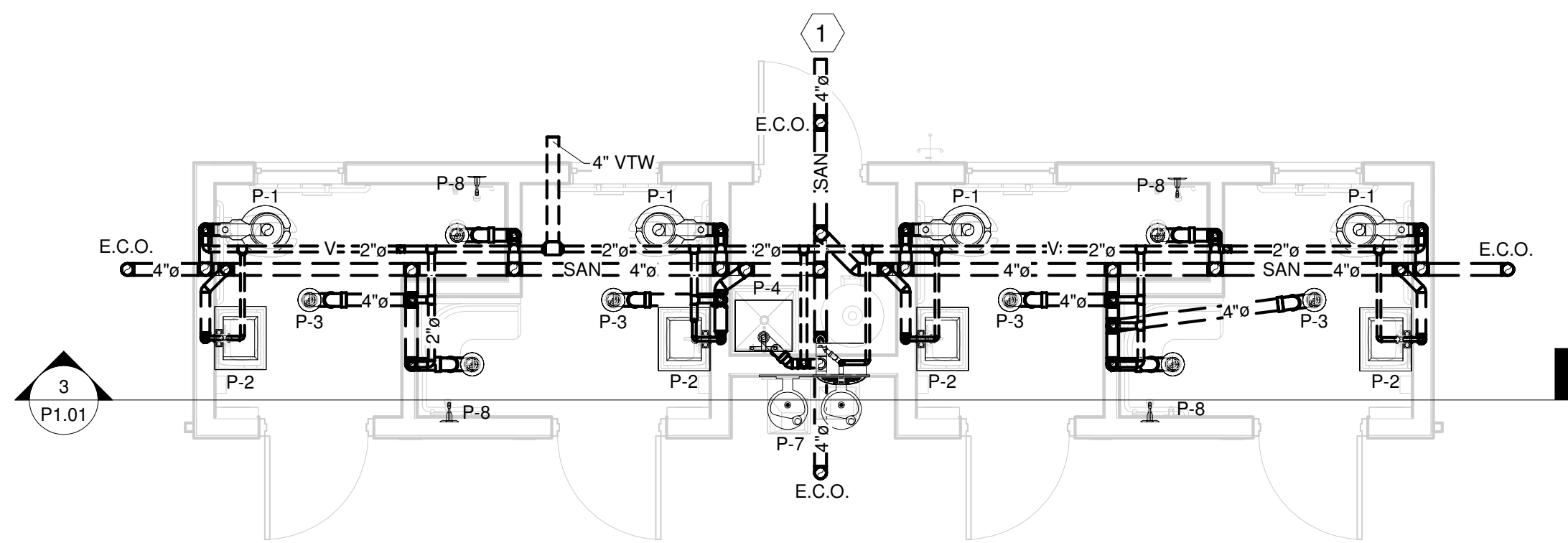
Project Information		2015 IECC
Energy Code:	2015 IECC	Factory Shoals Park Northside
Project Title:	Factory Shoals Park Northside	Covington, Georgia
Location:	Covington, Georgia	3a
Climate Zone:	3a	New Construction
Project Type:	New Construction	
Construction Site:		Owner/Agent:
Covington, GA		Covington, GA
Additional Efficiency Package(s)		Designer/Contractor:
		Timothy Harms
		Harms Engineering, Inc.
		850 Neartop Drive
		Nashville, TN 37205
		615-356-6789
		harmseng@gmail.com

Reduced interior lighting power. Requirements are implicitly enforced within interior lighting allowance calculations.

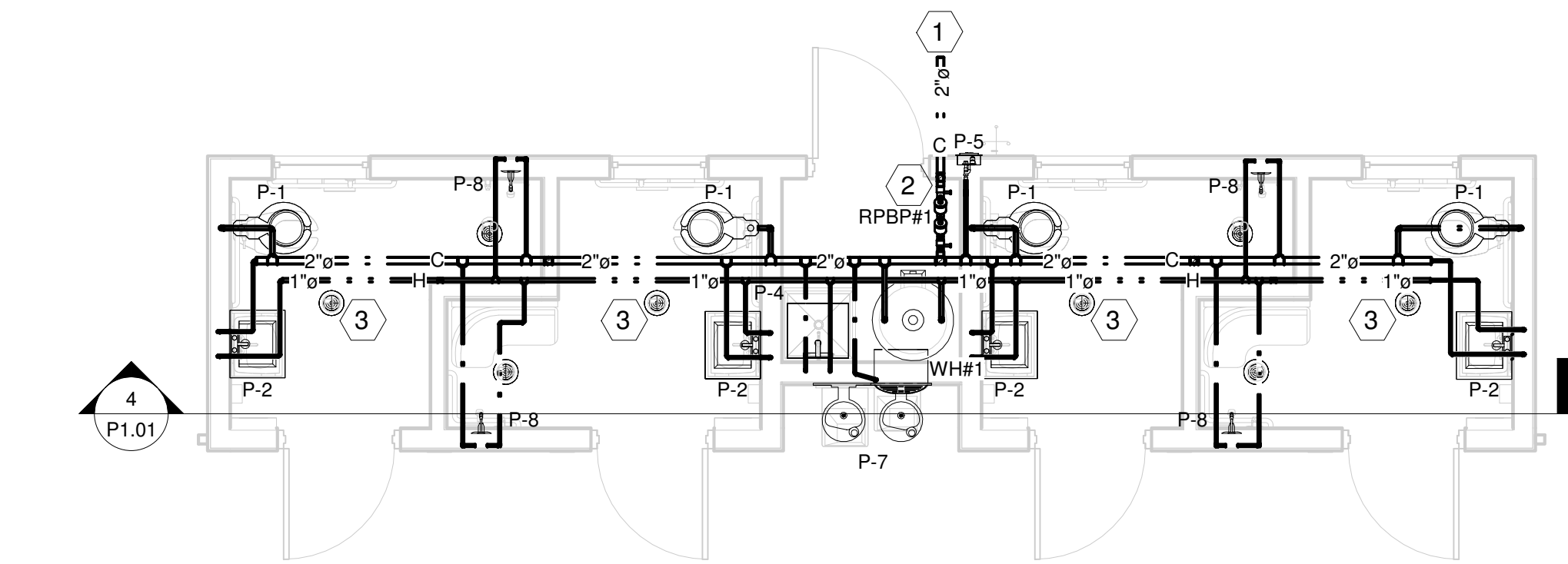
Mechanical Systems List	
Quantity	System Type & Description
5	HVAC System UH#1-5 (Single Zone): Heating: 5 each - Unit Heater, Electric, Capacity = 17 kBtu/h No minimum efficiency requirement applies Fan System: Unit Heater - Compliance (Motor nameplate HP method) : Passes  Fans: FAN 2 Supply, Constant Volume, 325 CFM, 0.1 motor nameplate hp, 0.0 fan efficiency grade
1	Water Heater WH#1: Electric Storage Water Heater, Capacity: 119 gallons Proposed Efficiency: 0.84 SL, %/h (if > 12 kW), Required Efficiency: 0.53 SL, %/h (if > 12 kW)

**Mechanical Compliance Statement**  
Compliance Statement: The proposed mechanical design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.  
Timothy Harms - Mechanical Engineer  
Name - Title  
Signature  
11/17/2025  
Date

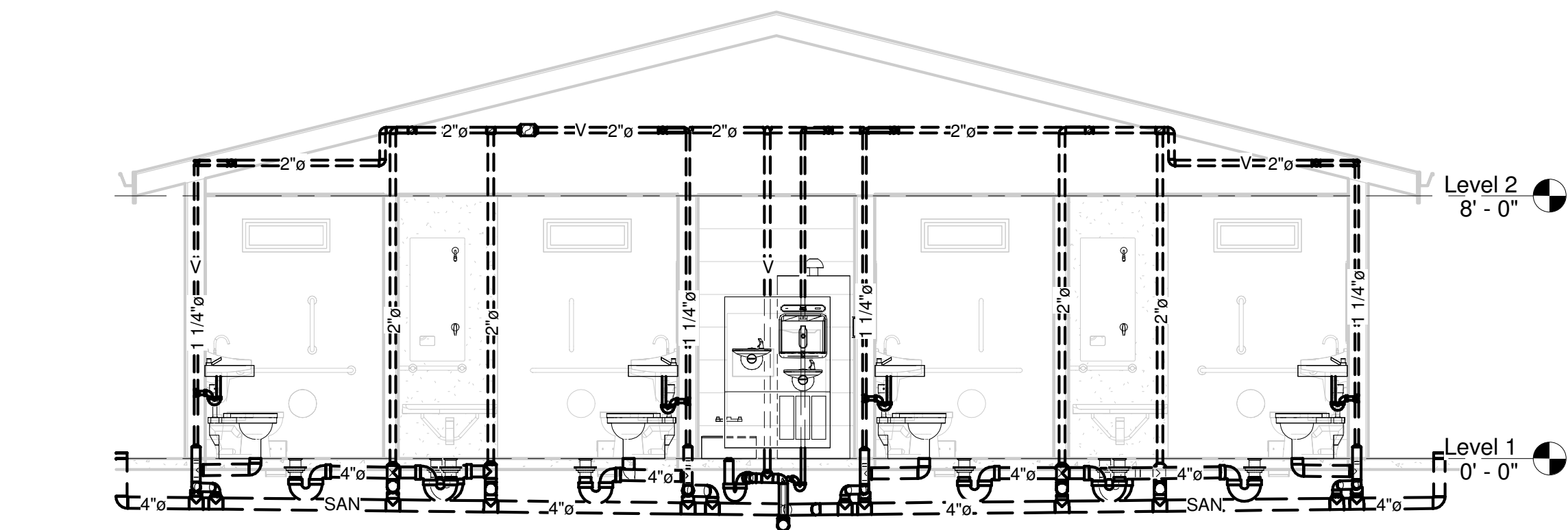




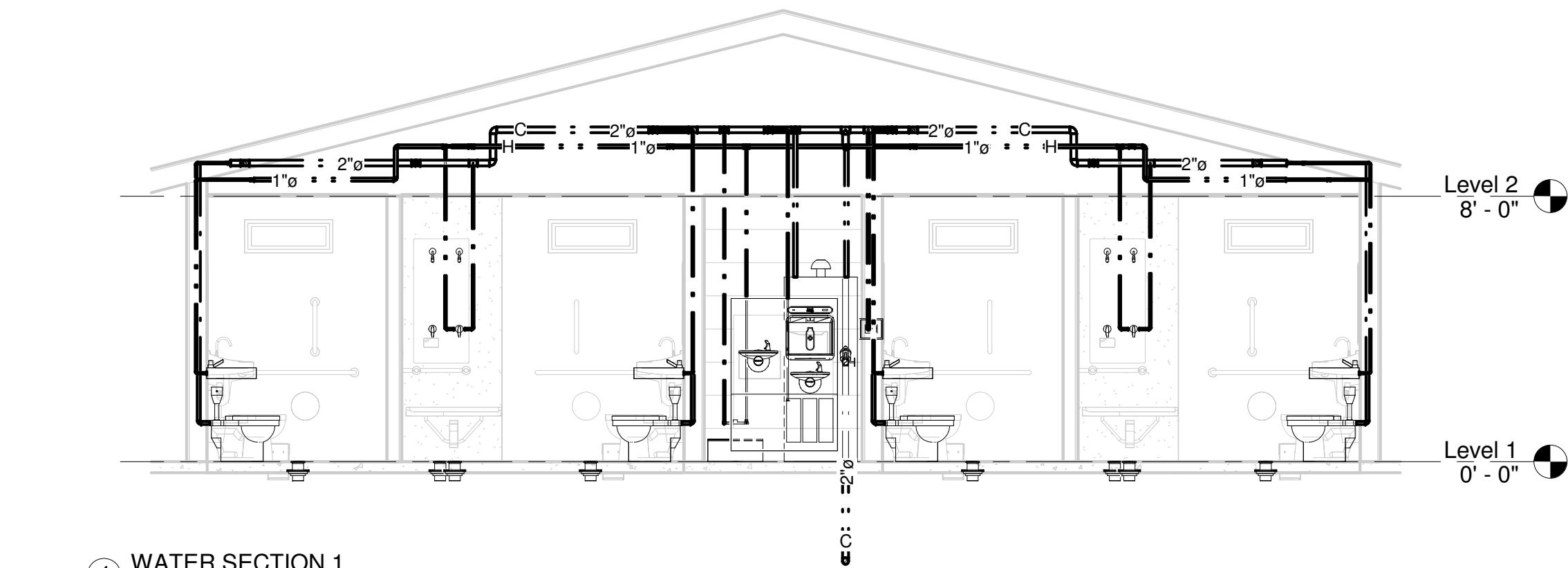
1 WASTE & VENT FLOOR PLAN  
1/4" = 1'-0"



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



3 WASTE & VENT SECTION 1  
1/4" = 1'-0"



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

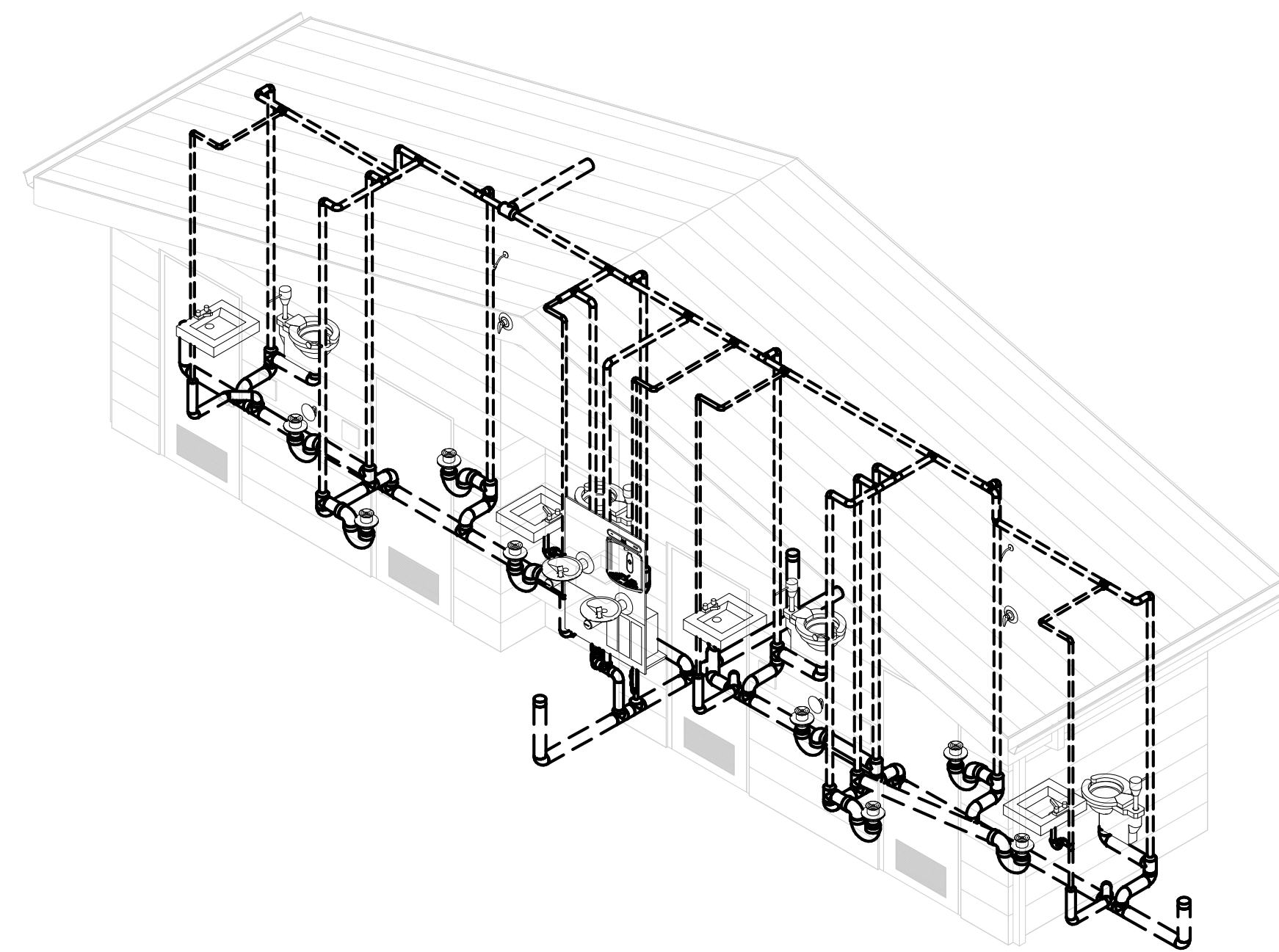
PLUMBING PLAN NOTES:

1. REFER TO THE CIVIL SITE PLAN FOR CONTINUATION OF THE LINE.
2. REFER TO THE WATER ENTRY DETAIL ON SHEET PM.20.
3. ALL FLOOR DRAINS TO HAVE TRAP PRIMER VALVES.

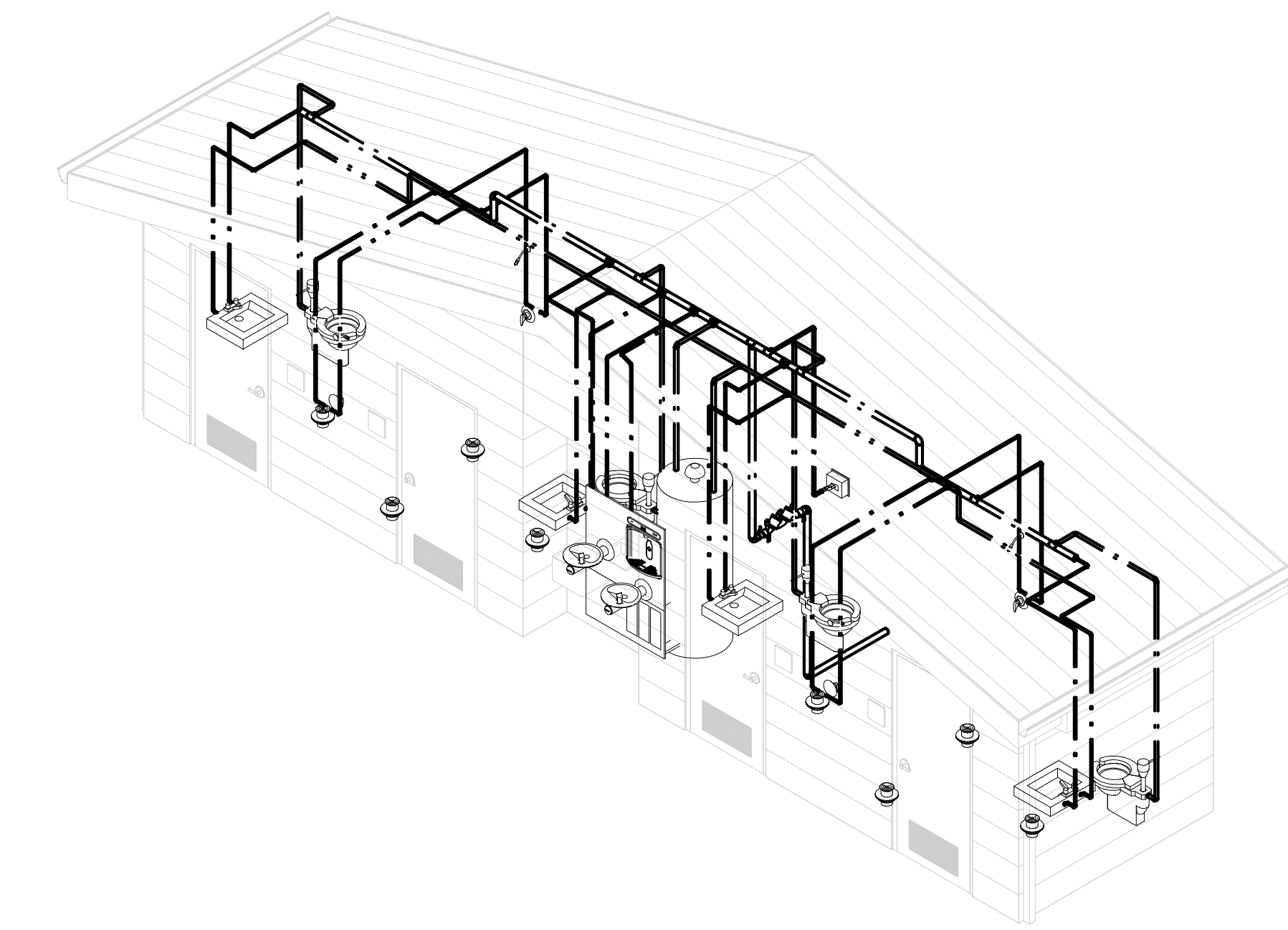
PLUMBING GENERAL NOTES:

1. PAINT ALL ROOF AND WALL PENETRATIONS TO MATCH ROOF/WALL COLOR. COLOR TO BE SELECTED BY THE ARCHITECT.
2. NO HOSE BIBB SHALL BE INSTALLED ON SPLIT FACE BLOCKS AND/OR AT JOINTS. HOSE BIBB SHALL BE MOUNTED ON SMOOTH FACE OF CMU AT THE HORIZONTAL CENTERLINE OF THE BLOCK. CAULK AROUND THE HOSE BIBB.
3. ALL WASTE PIPING SHALL BE 4" UNLESS OTHERWISE NOTED.
4. ALL VENT PIPING SHALL BE 2" UNLESS OTHERWISE NOTED.

5 WASTE & VENT 3D



6 WATER 3D



GENERAL PLUMBING LEGEND	
--- SAN ---	SANITARY DRAIN
—C—	COLD WATER
—H—	HOT WATER
---V---	VENT PIPING
P-1	PLUMBING FIXTURE IDENTIFICATION
VTW	VENT THRU WALL
⌞	CHECK VALVE
⌚	BALL VALVE
⌞⌞	BALANCING VALVE

WATER HEATER SCHEDULE													
W.H. #	MANUFACTURER	MODEL #	SYS.	QTY.	K.W.	VOLTAGE	EWI	LWT	STORAGE GALLON	FLOW REC.(GPH)	TANK HT.	TANK DIA.	REMARKS
WH#1	A.O. SMITH	DEN-120	DOM.	1	9.0	240/1/60	40 F	110 F	119.0	51.0	62"	30"	1,2,3
1. WATER HEATER TO PROVIDE 4.5 KW SIMULTANEOUS DUAL ELEMENT OPERATION.													
2. PROVIDE HEAT TRAP ON PIPING FOR WATER HEATER.													
3. PROVIDE INSULATION COVER OVER WATER HEATER.													

REDUCED PRESSURE BACKFLOW PREVENTER SCHEDULE							
RPBP #	MANUFACTURER	MODEL #	QTY.	SIZE	GPM	PRESS. DROP	SERVING
RPBP #1	WATTS	LF009 QT	1	2 INCH	80	10.0 PSIG	DOM. WTR.

FIXTURE CONNECTION SCHEDULE						
P-#	DESCRIPTION	C.W. (IN.)	H.W. (IN.)	WASTE (IN.)	VENT (IN.)	NOTES
P-1	WATER CLOSET (FLOOR MTD., FLUSH VALVE, HANDICAP ACCESSIBLE)	1	-	4	2	1,2,5
P-2	LAVATORY (WALL MTD., HANDICAP ACCESSIBLE)	1/2	1/2	1 1/4	1 1/4	1,3,5
P-3	FLOOR DRAIN	---	---	4	2	4,5
P-4	JANITOR'S SINK	1/2	1/2	3	2	4,5
P-5	WALL HYDRANT (FREEZE PROOF)	3/4	---	---	---	4,5
P-6	WALL HYDRANT	3/4	---	---	---	4,5
P-7	DRINKING FOUNTAIN (HI/LOW, S.S., HANDICAP ACCESSIBLE)	1/2	---	1 1/4	1 1/4	4,5
P-8	SHOWER (HANDICAP ACCESSIBLE)	1/2	---	3	2	1,3,5
1. EQUALS BY ELJER, KOHLER, CRANE, OF APPROVED EQUAL QUALITY. 2. PROVIDE MIN. 18" HIGH AIR CHAMBER. 3. PROVIDE INSULATE WASTE & WATER WITH TRUEBRO HANDI LAV-GUARD SYSTEM FOR ALL ACCESSIBLE LAVATORIES. 4. EQUALS BY ZURN, JR SMITH, WADE, OASIS. 5. ALL FIXTURES TO BE APPROVED BY THE OWNER.						

PLUMBING FIXTURES:

P-1 WATER CLOSET (HANDICAP ACCESSIBLE)  
AMERICAN STANDARD #3461.712 FLOOR MOUNTED AT 17" AFF, VITREOUS CHINA, 1-1/2" TOP-SPUD, ELONGATED RIM TOILET; ZURN #ZER6000PL-HET-CPM BATTERY SENSOR FLUSH VALVE(1.28GPF). PUSH BUTTON CAN NOT BE MORE THAN 36" AFF. CENTOCO #500CCSS OPEN FRONT SEAT WITH COVER.

P-2 LAVATORY (HANDICAP ACCESSIBLE)  
AMERICAN STANDARD #0355.012 WALL MOUNTED AT 34" AFF, VITREOUS CHINA, WITH CONCEALED WALL HANGER (PROVIDE ZURN #Z-1251 FOR 4" BLOCK WALL); ZURN #Z86100-XL PUSH-BUTTON METERING FAUCET WITH (.5 GPM) AERATOR, POLISHED CHROME-PLATED, FAUCET HOLES 4" ON CENTER; MCGUIRE #155WC OFFSET HANDICAP GRID DRAIN; MCGUIRE #H-2165LK SUPPLY PIPES, STOP VALVES, AND P-TRAP, THERMOSTATIC MIXING VALVE. PROVIDE AN ADSE STAINLESS STEEL SINK ENCLOSURE. (PROVIDE HARDWIRED SENSOR FAUCET AS AN UPGRADE ALTERNATE).

P-3 FLOOR DRAIN  
J.R. SMITH #2005, DUCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER.

P-4 JANITOR'S SINK  
FIAT #MSB2424 MOP SINK WITH 830-AA SERVICE FAUCET, MCGUIRE H-2165 SUPPLIES W/STOPS AND P-TRAP.

P-5 WALL HYDRANT(FREEZE PROOF)  
WOODFORD #B65 WALL HYDRANT WITH BOX AND DOOR

P-6 WALL HYDRANT  
WOODFORD #B74 WALL HYDRANT WITH BOX AND DOOR, PROVIDE VACUUM BREAKER WITH WALL HYDRANT.

P-7 DRINKING FOUNTAIN (HANDICAP ACCESSIBLE, HI/LOW, WITH BOTTLE FILLER)  
HALSEY TAYLOR #HTHB-OVLSEBP-1, STAINLESS STEEL TOP AND BODY, WITH BOTTLE FILLER. PROVIDE STOP, SUPPLY, TRAP, ETC., TO MAKE A COMPLETE INSTALLATION. 1/2" C.W., 1 1/4" SAN, MOUNT 33"LOW TO SPOUT AND 38"HIGH TO SPOUT.

P-8 SHOWER (HANDICAP ACCESSIBLE)  
SYMMONS # S-25-300-B30 WALL/HAND SHOWER(PROVIDE ALL METAL HAND/SHOWER WITH ALSONS #476 VOLUME CONTROL AND PAUSE), FLEXIBLE METAL HOSE MINIMUM 60" IN LENGTH, WALL CONNECTION AND FLANGE. 30" SLIDE BAR; J.R. SMITH #2005 ROUND TOP FLOOR DRAIN. PROVIDE A P-TRAP.

**LOSE**  
DESIGN  
SPACES FOR LIFE.

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FACTORY SHOALS PARK\_NORTHSIDE  
RESTROOM BUILDING

PREPARED FOR:  
NEWTON COUNTY, GEORGIA

COVINGTON

SUBMITTALS / REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE

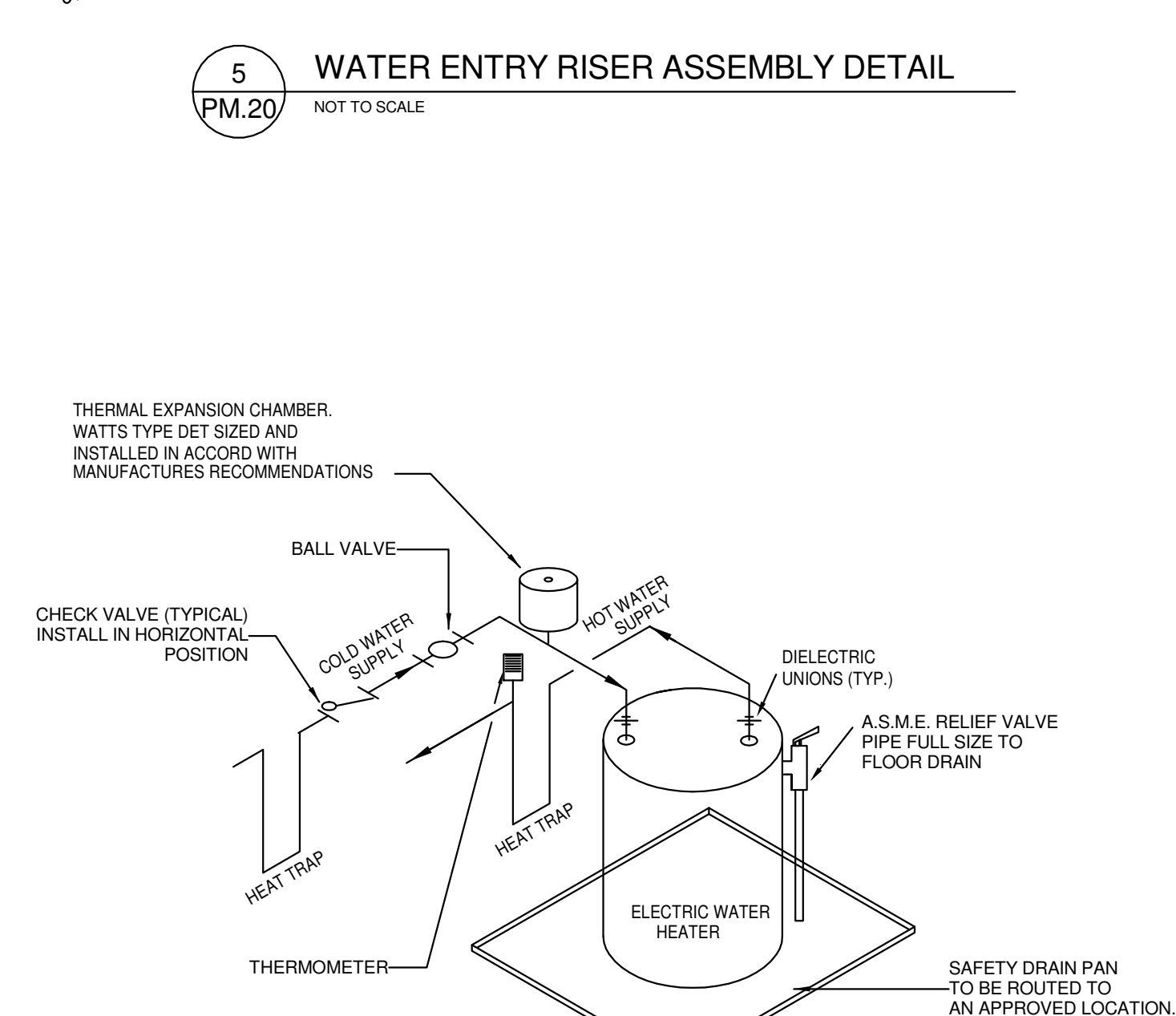
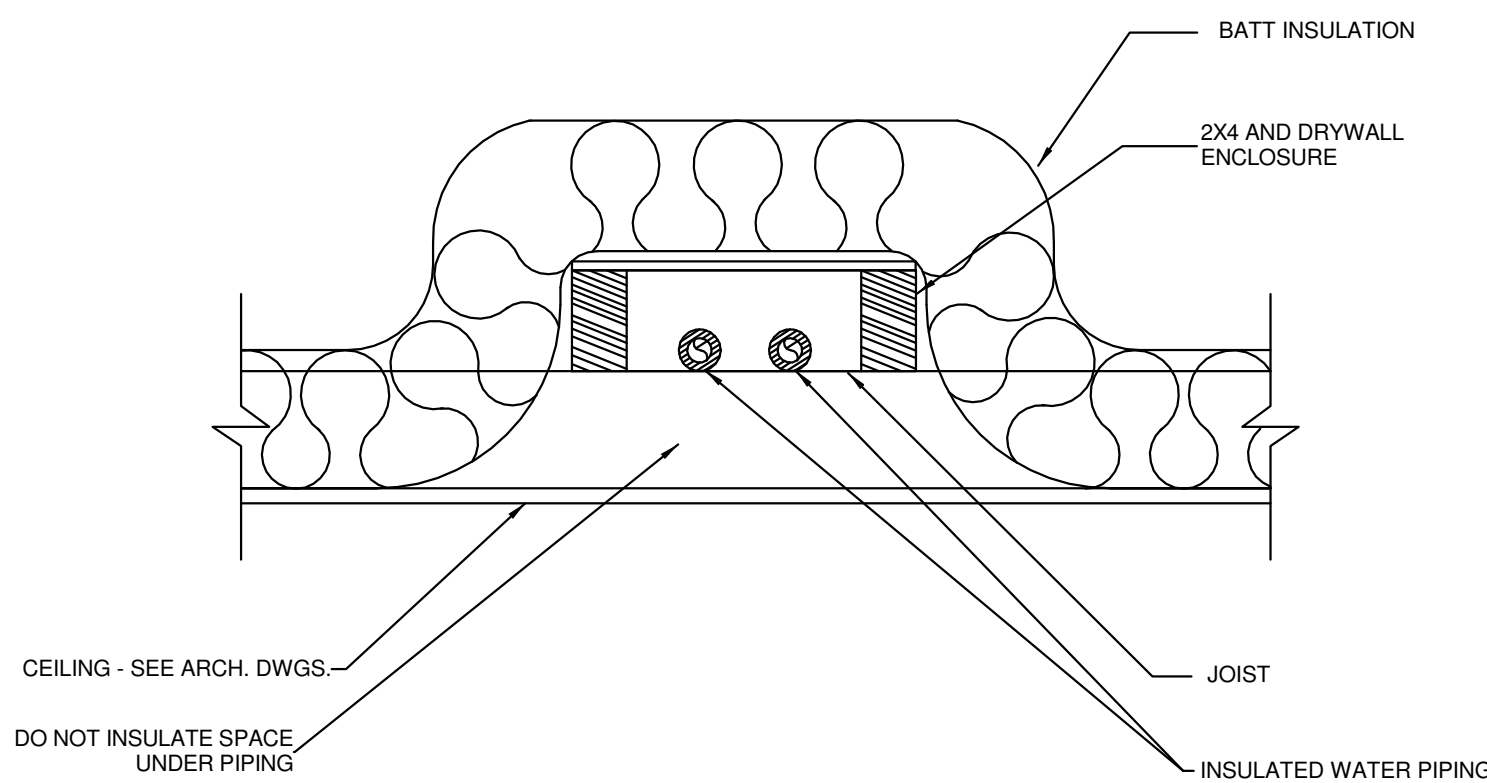
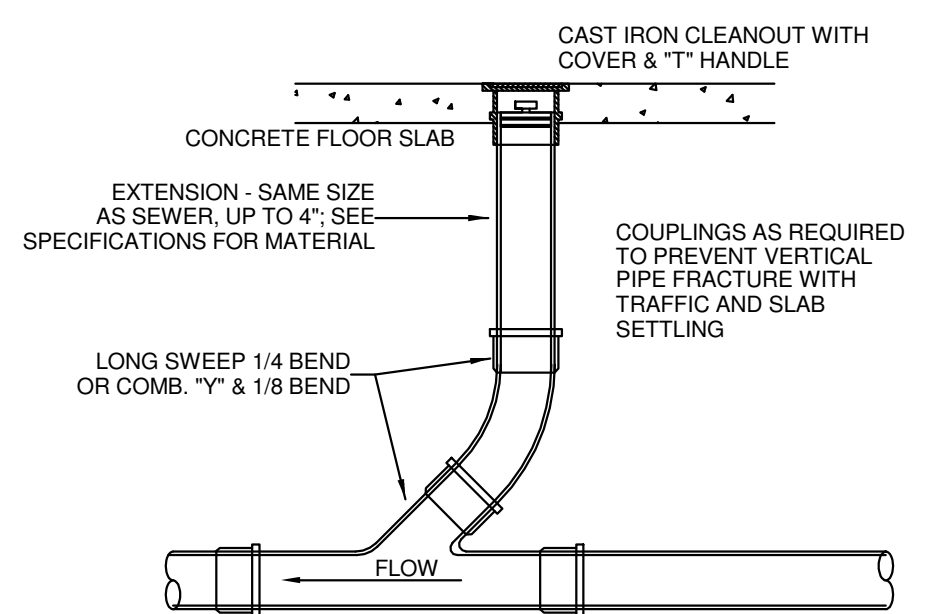
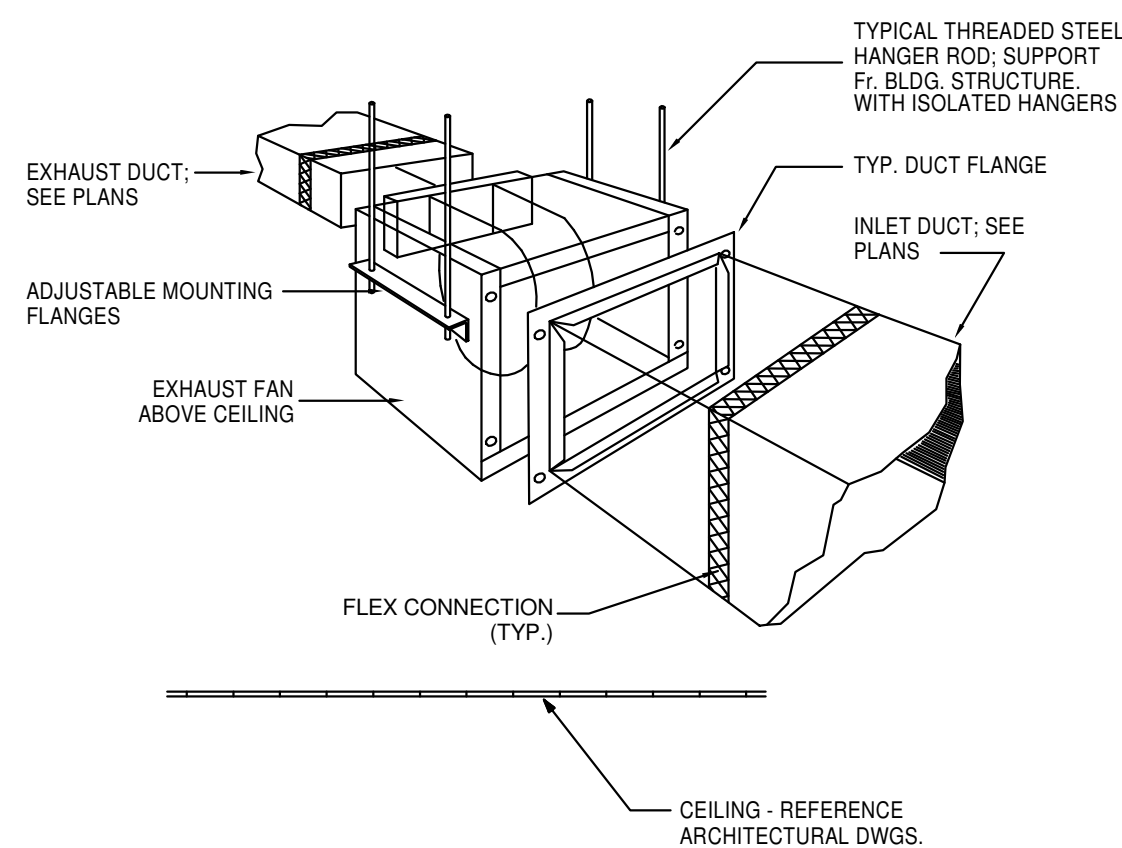
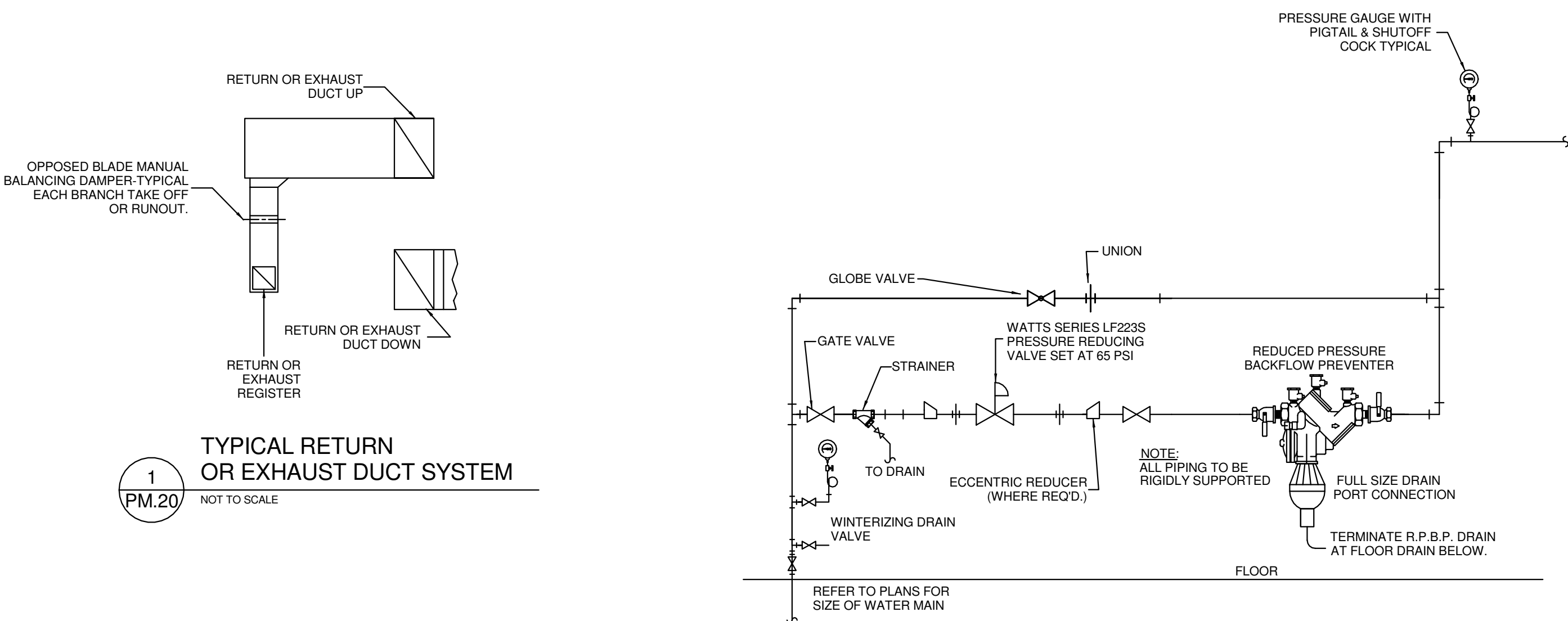
**PLUMBING  
FLOOR PLANS,  
SECTIONS, 3D, &  
SCHEDULES**

PROJECT NO. 23042-1	DATE 11/21/2025
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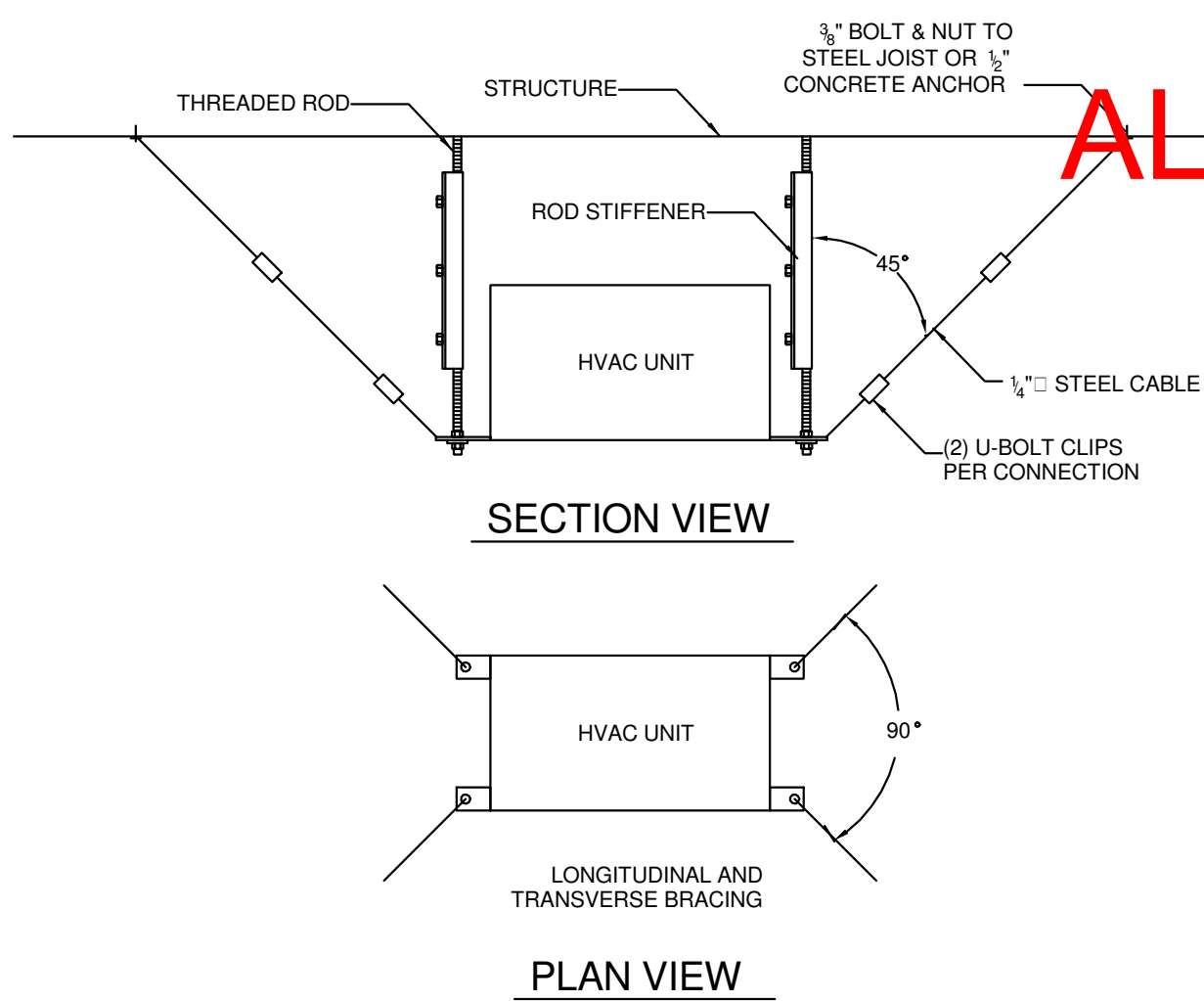
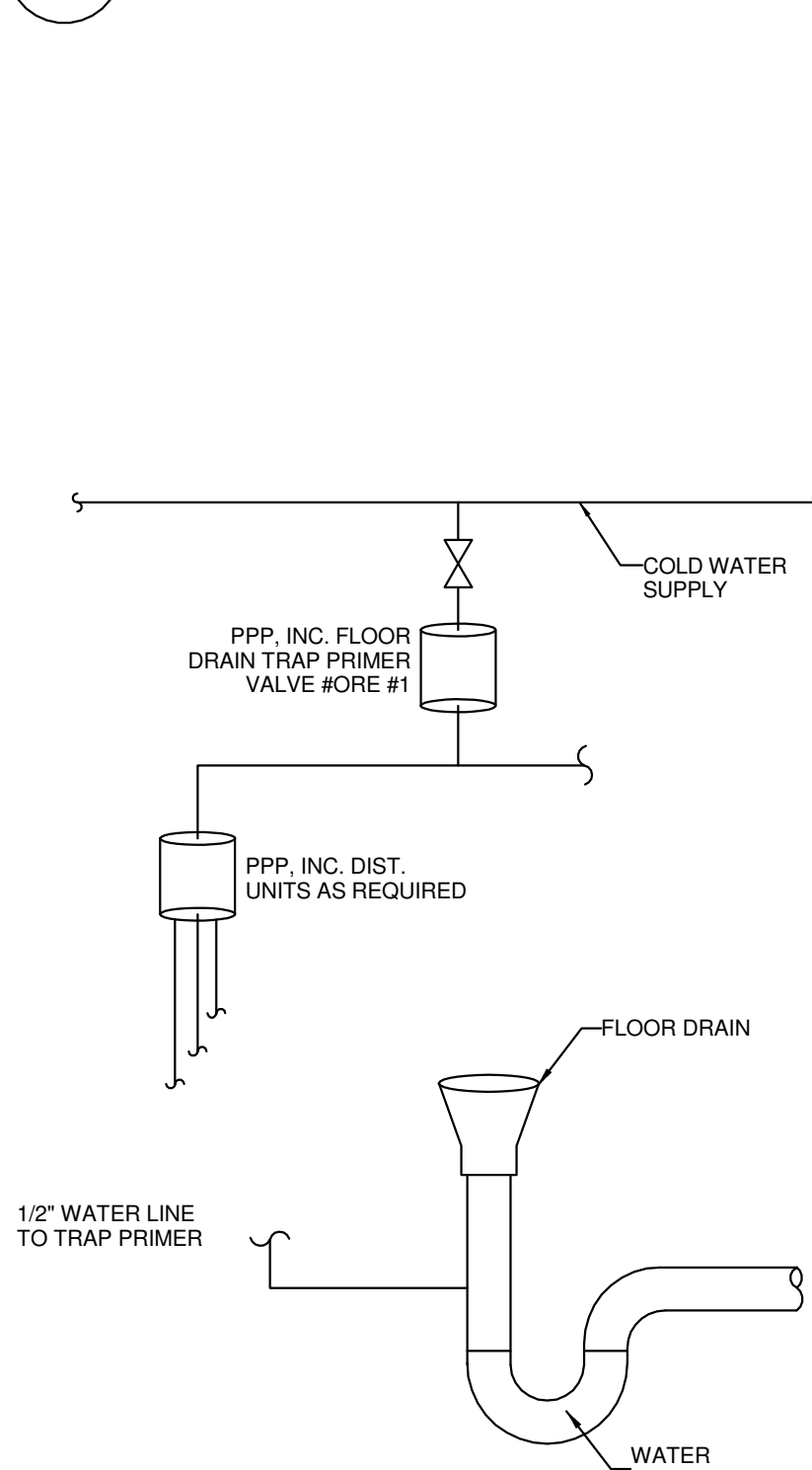
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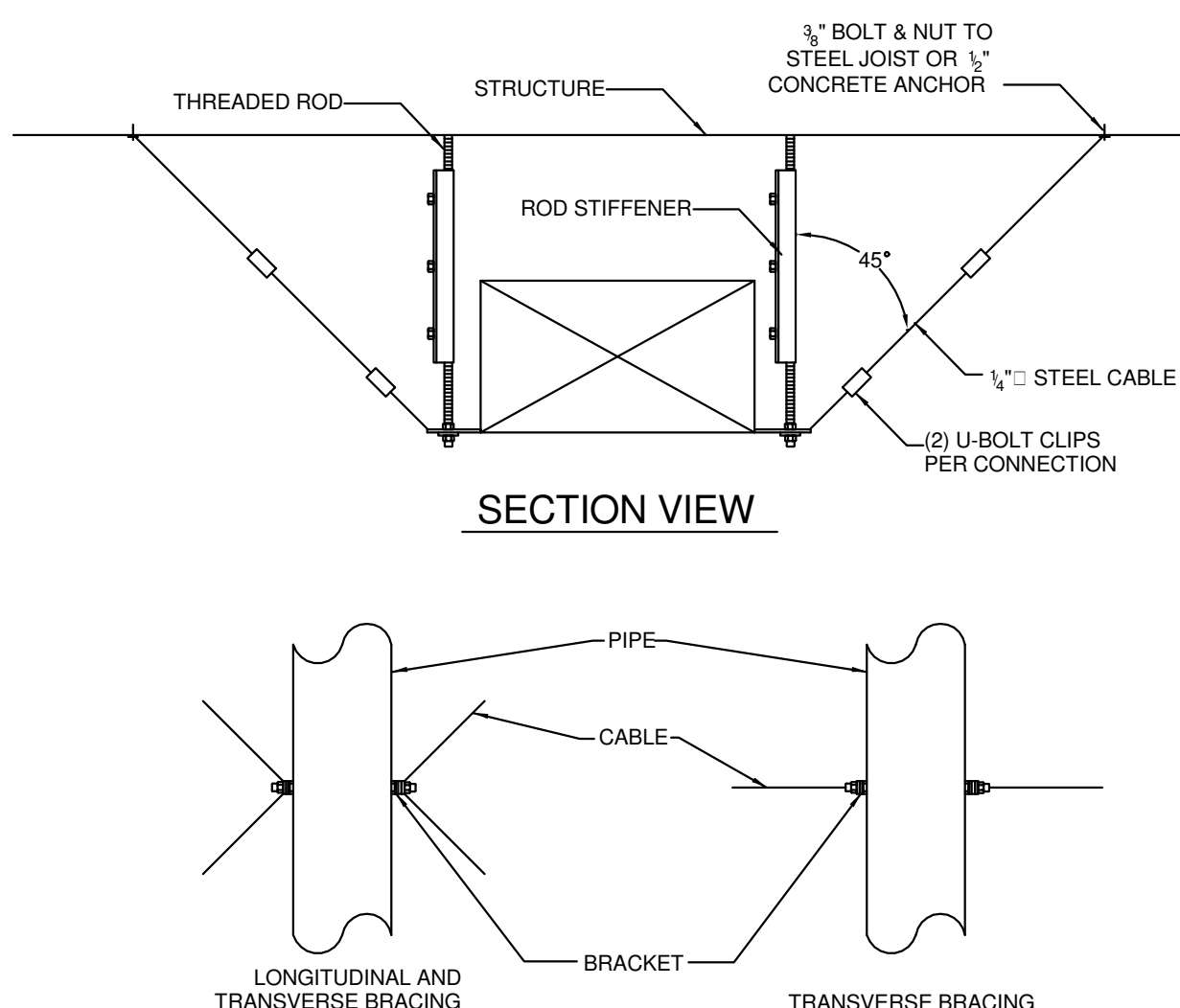
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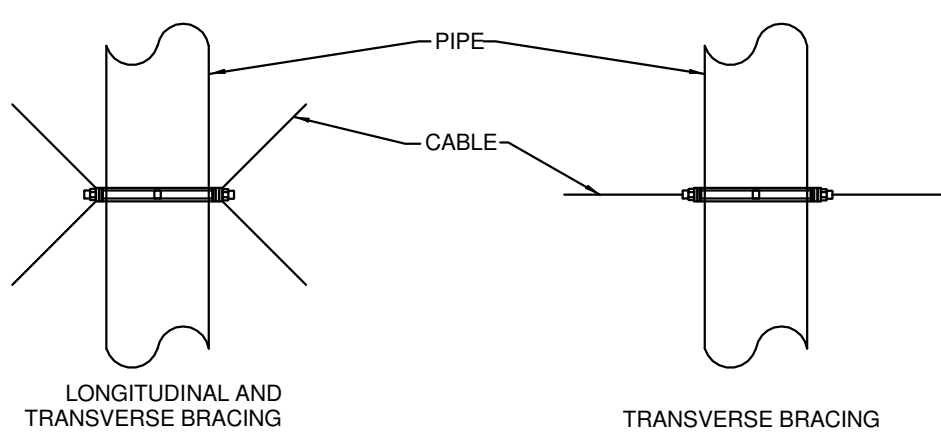
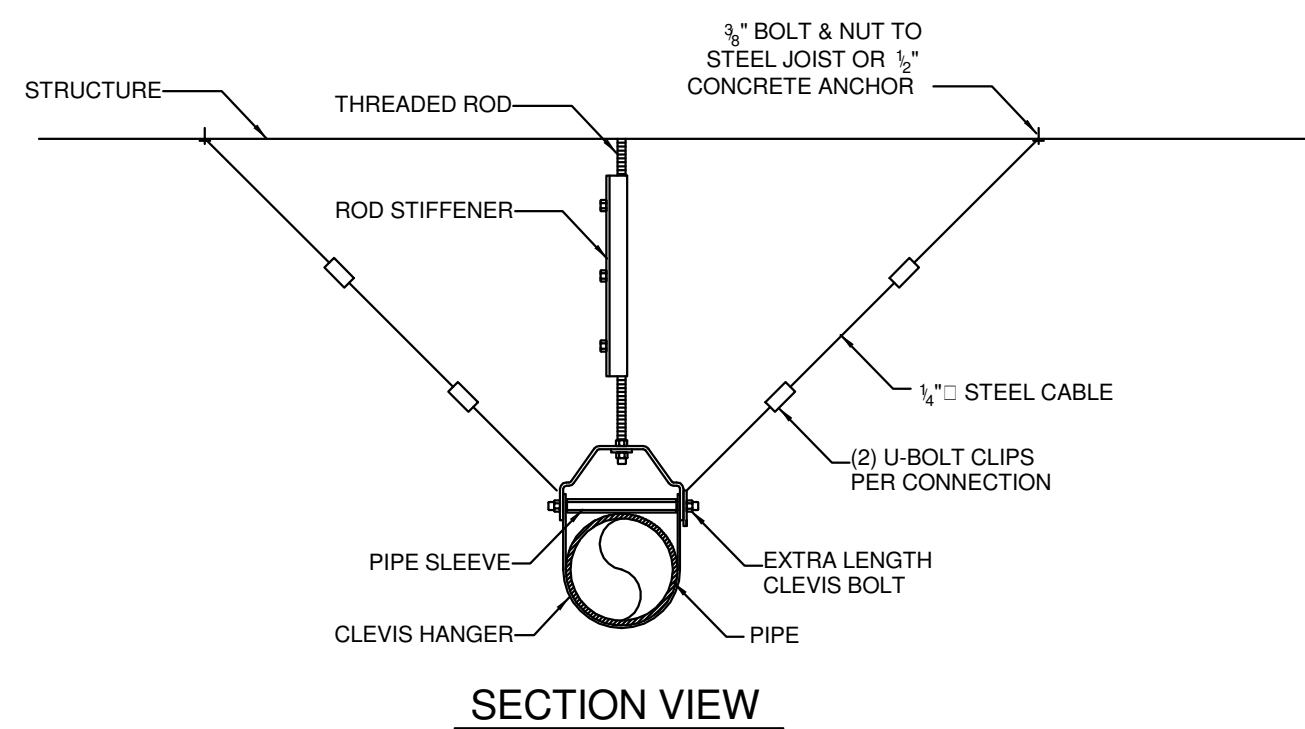
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NOT TO SCALE



SEISMIC HVAC EQUIPMENT RESTRAINTS DETAIL



SEISMIC DUCT RESTRAINTS DETAIL



SEISMIC RESTRAINTS FOR EQUIPMENT, DUCTS, AND PIPES

**8**  
PM.20  
NOT TO SCALE

**A. GENERAL/RISK CATEGORY II; DESIGN CATEGORY B)**  
1. DUCTS, PIPES, AND CONDUITS SHALL BE BRACED IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA SEISMIC RESTRAINT MANUAL AND IBC.  
2. ALTERNATIVE DETAILS DIFFERING FROM THE LATEST SMACNA MANUAL MAY BE USED WHERE SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS.  
3. IN-LINE EQUIPMENT SHALL BE BRACED INDEPENDENTLY OF THE DUCTS OR PIPES AND IN CONFORMANCE WITH APPLICABLE BUILDING CODES. REFER TO THE MP DRAWINGS FOR ANCHORAGE AND BRACING DETAILS.  
4. COLD-FORMED ANGLES SHALL CONFORM TO AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" WITH A MINIMUM FY = 33 KSI. MINIMUM THICKNESS FOR SHEET METAL BRACING SHALL BE AS FOLLOWS:  
16 GA. = 0.0598"  
14 GA. = 0.0747"  
12 GA. = 0.1046"

5. HOT-ROLLED SHAPES AND PLATES SHALL CONFORM TO ASTM A36. PIPES USED AS BRACES SHALL BE STANDARD STEEL PIPES PER ASTM A500-A OR A53.  
6. BRACE CONDUIT USING THE SAME CRITERIA AS FOR PIPES (SEE NOTE 2 UNDER "REQUIREMENTS FOR BRACING OF PIPES"). WHEN CONDUIT IS REQUIRED TO BE BRACED, IT MAY BE BRACED THE SAME AS THE EQUIVALENT WEIGHT PIPE.  
7. PIPE, DUCT, AND CONDUIT HANGERS SHALL BE POSITIVELY ATTACHED TO THE SUPPORTING STRUCTURE ABOVE. THE USE OF C-CLAMPS OR OTHER FRIC-TYPE HANGERS TO HANG PIPE, DUCT, AND CONDUIT IS PROHIBITED IN SEISMIC REGIONS.  
8. APPROPRIATE EXPANSION/CONTRACTION CAPABILITY SHALL BE PROVIDED IN DUCTS, CONDUITS, PIPES, ETC., WHICH CROSS BUILDING EXPANSION (SEISMIC) JOINTS. THE TOTAL RELATIVE MOVEMENT IN ANY HORIZONTAL DIRECTION ON EACH SIDE OF THE JOINT CENTERLINE SHALL BE, AS A MINIMUM, EQUAL TO THE SIZE OF THE BUILDING EXPANSION JOINT. FOR EXAMPLE, AT A 3-INCH BUILDING EXPANSION JOINT, A PIPE, DUCT, OR CONDUIT SHALL BE PERMITTED TO MOVE A MINIMUM OF THREE INCHES (1-5/8 INCHES IN EACH OF TWO OPPOSITE HORIZONTAL DIRECTIONS) ON EACH SIDE OF THE JOINT CENTERLINE.

**B. REQUIREMENTS FOR BRACING OF DUCTS**  
1. BRACE RECTANGULAR DUCTS WITH CROSS-SECTIONAL AREAS OF 6 SQUARE FEET AND LARGER. BRACE ROUND DUCTS WITH DIAMETERS OF 28 INCHES AND LARGER. BRACE FLAT OVAL DUCTS THE SAME AS RECTANGULAR DUCTS OF THE SAME NOMINAL SIZE.  
EXCEPTION: NO BRACING IS REQUIRED IF THE DUCT IS SUSPENDED BY HANGERS 12 INCHES OR LESS IN LENGTH, AS MEASURED FROM THE TOP OF THE DUCT TO THE BOTTOM OF THE SUPPORT WHERE THE HANGER IS ATTACHED. HANGERS SHALL BE POSITIVELY ATTACHED TO THE SUPPORTING STRUCTURE ABOVE AND MUST BE POSITIVELY ATTACHED TO THE DUCT WITHIN 2 INCHES OF THE TOP OF THE DUCT WITH A MINIMUM OF TWO #10 SHEET METAL SCREWS.  
2. TRANSVERSE BRACING SHALL OCCUR AT THE INTERVAL SPECIFIED IN THE TABLES IN CHAPTERS 5, 6, AND 7 OF THE SMACNA SEISMIC RESTRAINT MANUAL. WITH AT LEAST ONE BRACE PER DUCT RUN. TRANSVERSE BRACING FOR ONE DUCT SECTION MAY ALSO ACT AS LONGITUDINAL BRACING FOR A DUCT SECTION CONNECTED PERPENDICULAR TO IT IF THE BRACING IS INSTALLED WITHIN 4 FEET OF THE INTERSECTION OF THE DUCTS AND IF THE BRACING IS SIZED FOR THE LARGER DUCT (SEE CHAPTER 4 IN THE SMACNA SEISMIC RESTRAINT MANUAL FOR TYPICAL LOCATIONS OF BRACING). DUCT JOINTS SHALL CONFORM TO SMACNA DUCT CONSTRUCTION STANDARDS.  
3. LONGITUDINAL BRACING SHALL OCCUR AT THE INTERVAL SPECIFIED IN THE TABLES IN CHAPTERS 5, 6, AND 7 OF THE SMACNA SEISMIC RESTRAINT MANUAL. WITH AT LEAST ONE BRACE PER DUCT RUN. TRANSVERSE BRACING FOR ONE DUCT SECTION MAY ALSO ACT AS LONGITUDINAL BRACING FOR A DUCT SECTION CONNECTED PERPENDICULAR TO IT IF THE BRACING IS INSTALLED WITHIN 4 FEET OF THE INTERSECTION OF THE DUCTS AND IF THE BRACING IS SIZED FOR THE LARGER DUCT (SEE CHAPTER 4 IN THE SMACNA SEISMIC RESTRAINT MANUAL FOR TYPICAL LOCATIONS OF BRACING). DUCT JOINTS SHALL CONFORM TO SMACNA DUCT CONSTRUCTION STANDARDS.  
4. A GROUP OF DUCTS MAY BE COMBINED IN A LARGER FRAME SO THE COMBINED WEIGHTS AND DIMENSIONS OF THE DUCTS ARE LESS THAN OR EQUAL TO THE MAXIMUM WEIGHT AND DIMENSIONS OF THE DUCT FOR WHICH BRACING DETAILS ARE SELECTED. (EXAMPLE: TO BRACE A 30" X 30" DUCT BESIDE A 54" X 28" DUCT, SELECT BRACING FOR AN 84" X 42" DUCT. THE HORIZONTAL DIMENSION OF THE 84" X 42" DUCT IS EQUAL TO THE COMBINED DUCTS AND ITS WEIGHT IS GREATER THAN THEIR COMBINED WEIGHTS.)  
5. WALLS, INCLUDING GYPSUM BOARD NONBEARING PARTITIONS, WHICH HAVE DUCTS RUNNING THROUGH THEM, MAY REPLACE A TYPICAL TRANSVERSE BRACE. PROVIDE SOLID BLOCKING AROUND DUCT PENETRATIONS AT STUD WALL CONSTRUCTION.  
6. UNBRACED DUCTS SHALL BE INSTALLED WITH A 6-INCH MINIMUM CLEARANCE TO VERTICAL CEILING HANGER WIRES.

**C. REQUIREMENTS FOR BRACING OF PIPES**

1. BRACE FUEL-OIL PIPING, GAS PIPING (SUCH AS FUEL GAS), MEDICAL GAS PIPING, AND COMPRESSED AIR PIPING THAT IS 1 INCH NOMINAL DIAMETER OR LARGER.  
2. BRACE PIPING LOCATED IN BOILER ROOMS, MECHANICAL EQUIPMENT ROOMS, AND REFRIGERATION MECHANICAL ROOMS THAT IS 1-5/8 INCHES NOMINAL DIAMETER AND LARGER.  
3. BRACE PIPES 2-5/8 INCHES NOMINAL DIAMETER AND LARGER.  
EXCEPTION: PIPING SUSPENDED BY INDIVIDUAL HANGERS 12 INCHES OR LESS IN LENGTH, AS MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUPPORT WHERE THE HANGER IS ATTACHED, NEED NOT BE BRACED. HOWEVER, HANGERS FOR PIPING, REGARDLESS OF SIZE, SHALL BE POSITIVELY ATTACHED TO THE SUPPORTING STRUCTURE ABOVE. FRICTION-TYPE ANCHORS SUCH AS C-CLAMPS SHALL NOT BE PERMITTED TO HANG PIPE.  
4. LONGITUDINAL BRACING SHALL BE AT 80 FEET MAXIMUM, EXCEPT WHERE A LESSER SPACING IS INDICATED IN THE TABLES. IN PIPES WHERE THERMAL EXPANSION IS A CONSIDERATION, AN ANCHOR POINT MAY BE USED AS THE SPECIFIED LONGITUDINAL BRACE PROVIDED IT HAS A CAPACITY EQUAL TO OR GREATER THAN A LONGITUDINAL BRACE. THE LONGITUDINAL BRACES AND CONNECTIONS MUST BE CAPABLE OF RESISTING THE ADDITIONAL FORCE INDUCED BY EXPANSION AND CONTRACTION. THERMAL EXPANSION CONSIDERATIONS SHALL BE THE RESPONSIBILITY OF THE MPE ENGINEER (REFER TO THE MPE DOCUMENTS FOR APPROPRIATE REQUIREMENTS).  
5. TRANSVERSE BRACING FOR ONE PIPE SECTION MAY ALSO ACT AS LONGITUDINAL BRACING FOR A PIPE SECTION OF THE SAME SIZE CONNECTED PERPENDICULAR TO IT IF THE BRACING IS INSTALLED WITHIN 24 INCHES OF THE ELBOW OR TEE. SEE CHAPTER 4 OF THE SMACNA SEISMIC RESTRAINT MANUAL FOR TYPICAL LOCATIONS OF BRACING.  
6. SEISMIC BRACES FOR PIPES ON TRAPEZE HANGERS MAY BE USED. SEE DETAILS IN CHAPTER 4 OF THE SMACNA SEISMIC RESTRAINT MANUAL.  
7. PROVIDE FLEXIBILITY IN JOINTS WHERE PIPES PASS THROUGH BUILDING SEISMIC JOINTS OR EXPANSION JOINTS OR WHERE RIGIDLY SUPPORTED PIPES CONNECT TO EQUIPMENT WITH VIBRATION ISOLATORS. FOR THREADED PIPING, THE FLEXIBILITY MAY BE PROVIDED BY THE INSTALLATION OF SWING JOINTS. FOR PIPING WITH MANUFACTURED BALL JOINTS, SELECT THE LENGTH OF PIPING OFFSET USING TWICE THE SEISMIC DRIFT OR THE EXPANSION JOINT SIZE SHOWN ON THE DRAWINGS, WHICHEVER IS LESS, IN PLACE OF THE EXPANSION GIVEN IN THE JOINT MANUFACTURERS' SELECTION TABLE. SEISMIC DRIFT = 0.012 FT PER FOOT OF HEIGHT ABOVE THE BASE WHERE SEISMIC SEPARATION OCCURS.  
8. BRANCH LINES MAY NOT BE USED TO BRACE MAIN LINES.  
9. A RIGID PIPING SYSTEM SHALL NOT BE BRACED TO DISSIMILAR PARTS OF THE BUILDING OR TO TWO DISSIMILAR BUILDING SYSTEMS THAT MAY RESPOND DIFFERENTLY DURING AN EARTHQUAKE.  
10. VERTICAL RISERS SHALL BE LATERALLY SUPPORTED WITH A RISER CLAMP AT EACH FLOOR. FOR BUILDINGS GREATER THAN SIX STORIES HIGH, RISERS SHALL BE ENGINEERED INDIVIDUALLY.  
11. FOR RISERS IN HUBLESS PIPING SYSTEMS WHERE THE RISER JOINTS ARE UNSUPPORTED BETWEEN FLOORS, SEE CHAPTER 9 OF THE SMACNA SEISMIC RESTRAINT MANUAL FOR RISER BRACING DETAILS.  
12. THE SPACING OF VERTICAL SUPPORTS AND LATERAL BRACING, AND THE DETAILS OF THE VERTICAL SUPPORTS FOR THE FIRE-SPRINKLER SYSTEM SHALL COMPLY WITH NFPA PAMPHLET 13. THE DETAILS FOR THE LATERAL BRACING SHALL COMPLY WITH THE GUIDELINES OF THE SMACNA SEISMIC RESTRAINT MANUAL.

**D. EQUIPMENT REQUIREMENTS**  
1. CONTRACTOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE FROM EACH EQUIPMENT MANUFACTURER STATING THAT EQUIPMENT WITH AN OPERATING WEIGHT OVER 200 POUNDS OR EQUIPMENT THAT MUST REMAIN OPERATIONAL DURING A DESIGN EARTHQUAKE, WILL WITHSTAND THE SEISMIC DESIGN PROVISIONS OF THE INTERNATIONAL BUILDING CODE, AMPLIFIED SEISMIC FORCES, AS THE RESULT OF NON-RIGID OR FLEXIBLE SUPPORTS SHALL BE CONSIDERED WHERE APPROPRIATE. BASIS OF CERTIFICATION SHALL BE BY ACTUAL TEST ON A SHAKING TABLE, BY THREE DIMENSIONAL SHOCK TESTS, BY AN ANALYTICAL METHOD USING DYNAMIC CHARACTERISTICS AND FORCES, BY USE OF EXPERIENCE DATA, OR BY MORE RIGOROUS ANALYSIS PROVIDING FOR EQUIVALENT SAFETY.  
2. VIBRATION ISOLATORS, SNUBBERS, ISOLATION RAILS, ETC., AND THE ANCHORAGE OF THESE ASSEMBLIES FOR FLOOR- OR ROOFMOUNTED OR SUSPENDED EQUIPMENT SHALL BE DESIGNED FOR THE APPROPRIATE SEISMIC FORCES PER IBC.

SEISMIC RESTRAINTS NOTES FOR EQUIPMENT, DUCTS, AND PIPES

**9**  
PM.20  
NOT TO SCALE





1 OVERALL ELECTRICAL SITE PLAN  
E1.00 1" = 250'-0"

ELECTRICAL SHEET INDEX (NORTH)	
SHEET NUMBER	SHEET NAME
E1.00	OVERALL ELECTRICAL SITE PLAN
E1.01	ELECTRICAL SITE PLAN - NORTH AND SOUTH RESTROOMS
E2.01N	ELECTRICAL PLAN - NORTH RESTROOMS
E3.01N	ELECTRICAL LEGEND, NOTES, RISER & SCHEDULES
E3.02N	LIGHTING COMCHECK REPORTS



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FACTORY SHOALS PARK\_NORTHSIDE  
RESTROOM BUILDING

PREPARED FOR:  
NEWTON COUNTY, GEORGIA

COVINGTON

GEORGIA

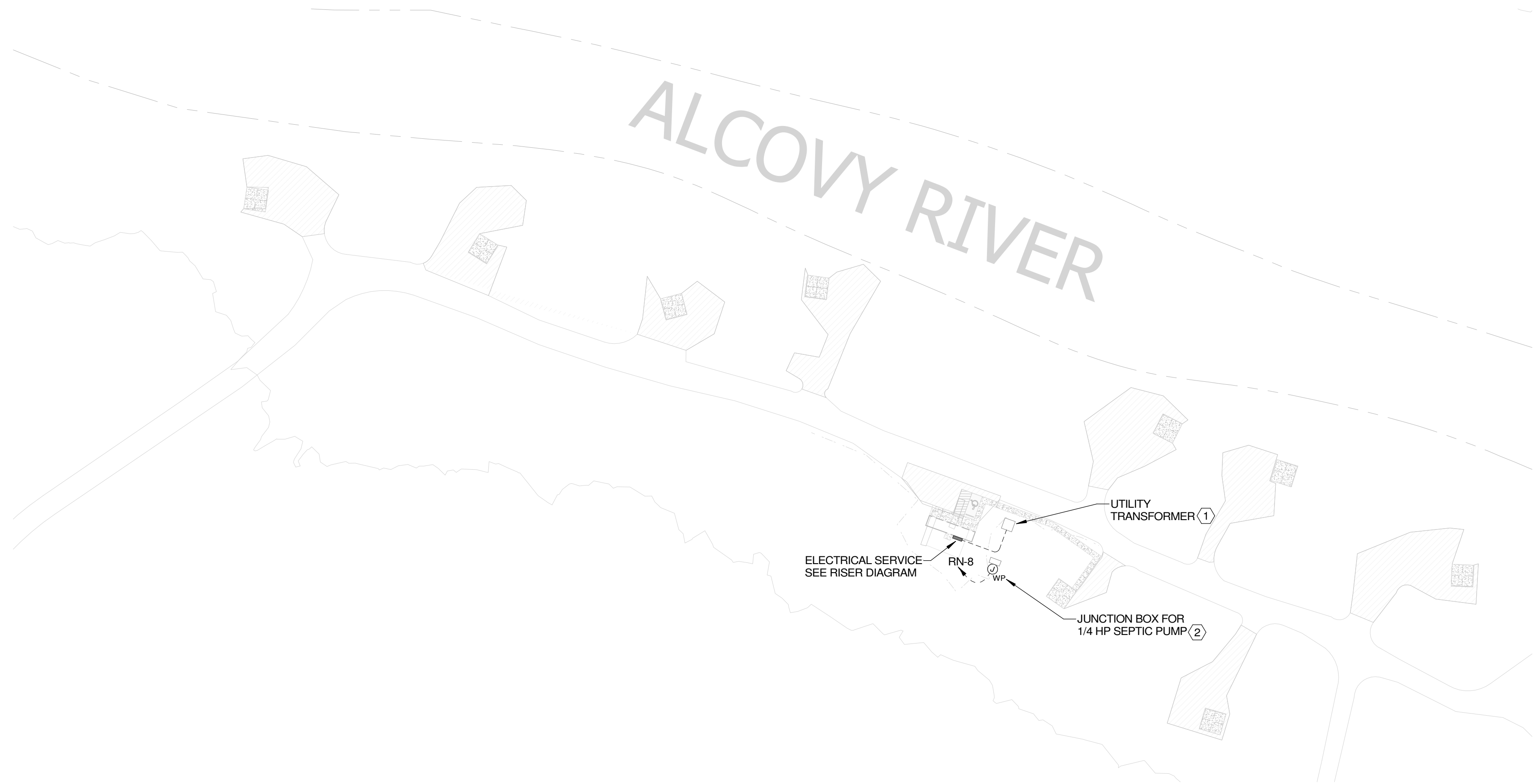
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SHEET TITLE  
OVERALL ELECTRICAL SITE PLAN

PROJECT NO. 23042-1	DATE 11/21/2025
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SHEET NO.	

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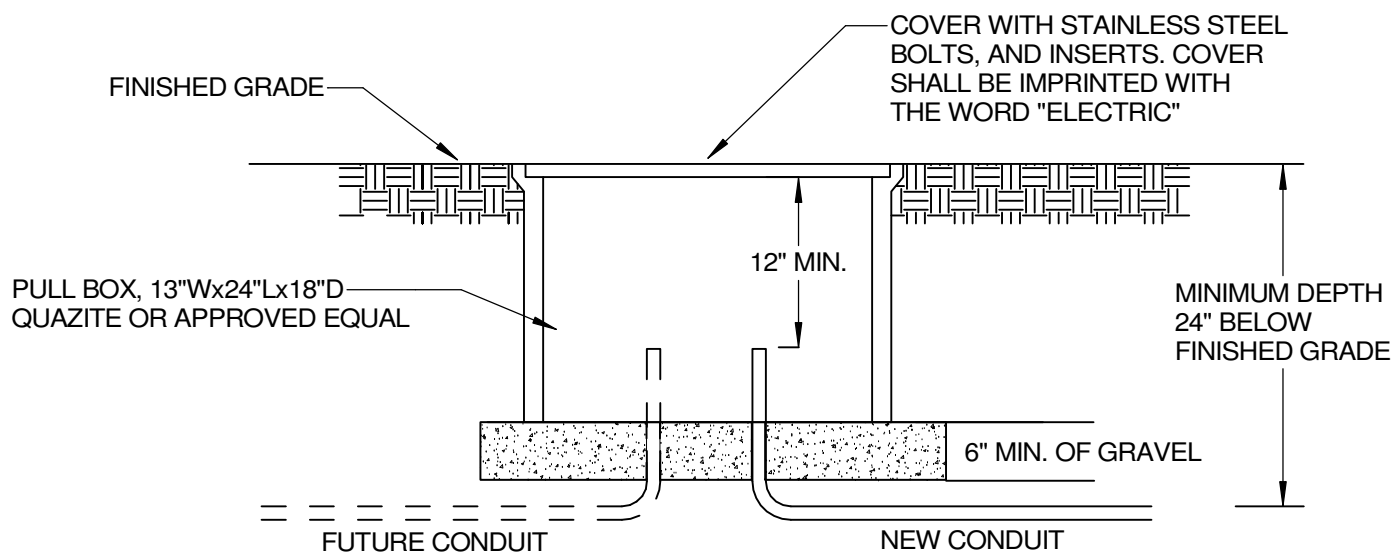
1 ELECTRICAL SITE PLAN - NORTH RESTROOMS  
E1.01 SCALE: 1" = 60'-0"



2 ELECTRICAL SITE PLAN - SOUTH RESTROOMS  
E1.01 SCALE: 1" = 60'-0"

PLAN KEY NOTES

- 1. COORDINATE EXACT LOCATION AND ALL REQUIREMENTS OF UTILITY TRANSFORMER WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
- 2. COORDINATE EXACT LOCATION AND ALL REQUIREMENTS OF SEPTIC PUMP WITH CIVIL ENGINEER'S PLANS PRIOR TO CONSTRUCTION.



UNDERGROUND PULLBOX  
NO SCALE

ALPHA BLDG SET 01-15-2026

LOSE  
DESIGN

SPACES FOR LIFE.

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REGISTERED PROFESSIONAL ENGINEER  
No. PE081613  
Jason Kyle McKinney  
11/21/25

PE

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FACTORY SHOALS PARK\_NORTHSIDE  
RESTROOM BUILDING

GEORGIA  
PREPARED FOR:  
NEWTON COUNTY, GEORGIA  
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NO	DATE	DESCRIPTION

SHEET TITLE

ELECTRICAL SITE  
PLAN - NORTH  
AND SOUTH  
RESTROOMS

PROJECT NO. 23042-1	DATE 11/21/2025
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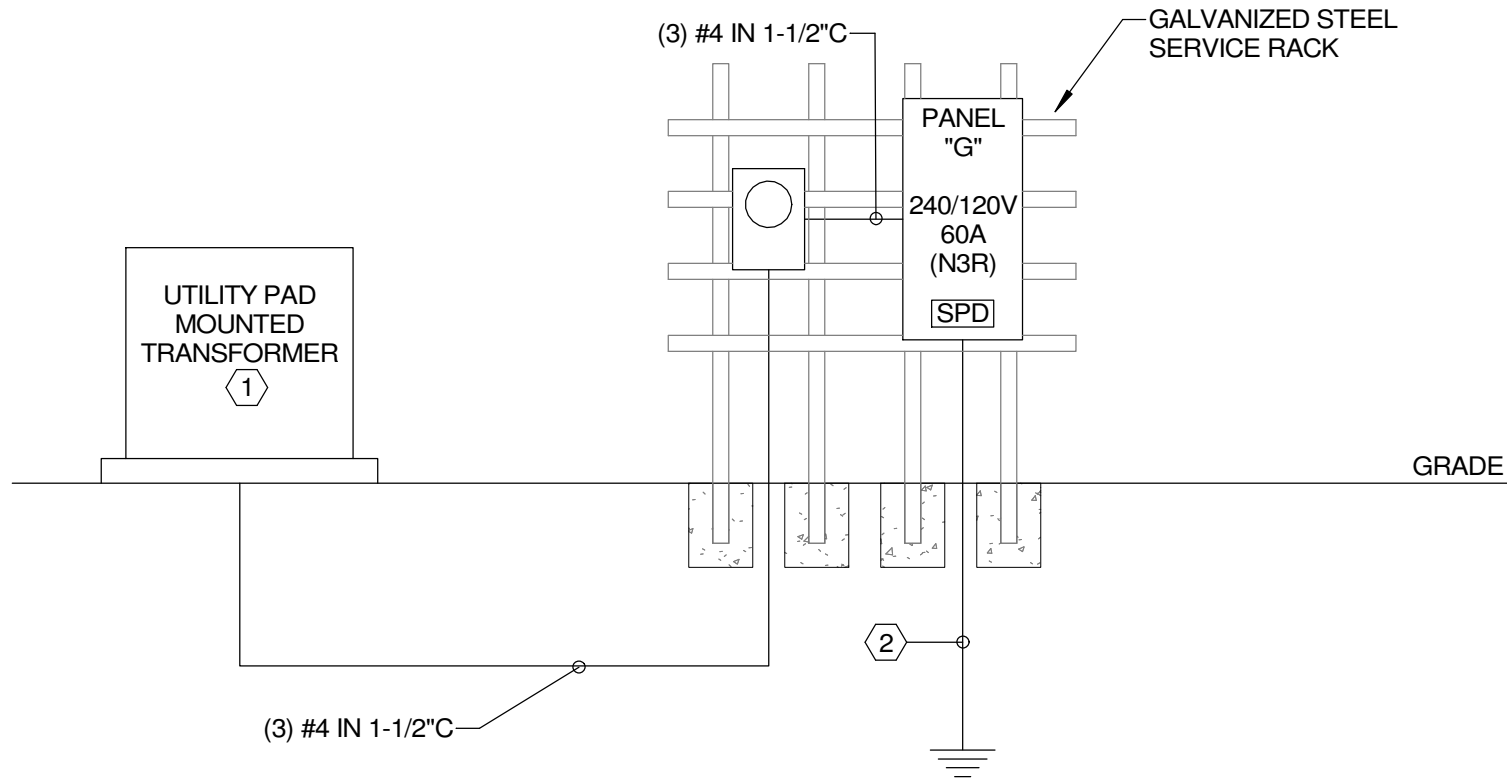
1. COORDINATE EXACT LOCATION AND ALL REQUIREMENTS OF UTILITY TRANSFORMER WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
2. COORDINATE EXACT LOCATION AND ALL REQUIREMENTS OF ELECTRIC GATE WITH CIVIL ENGINEER AND GATE VENDOR PRIOR TO CONSTRUCTION.
3. PROVIDE SERVICE TO BRANCH CIRCUIT FROM EXISTING PANELBOARD INSIDE EXISTING TICKET SHED. UTILIZE EXISTING SPARE 20 AMP 1 POLE CIRCUIT BREAKER OR PROVIDE NEW IN AVAILABLE SPACE (MATCHING EXISTING IN MAKE MANUFACTURE, AIG, ETC). PROVIDE (2#10, 1" #10G IN 1" SCHEDULE 40 PVC AS REQUIRED. FOR SIGNAGE CIRCUITS, PROVIDE INTERMATIC ETW TIMECLOCK OR EQUAL FOR CONTROL OF SIGNAGE.



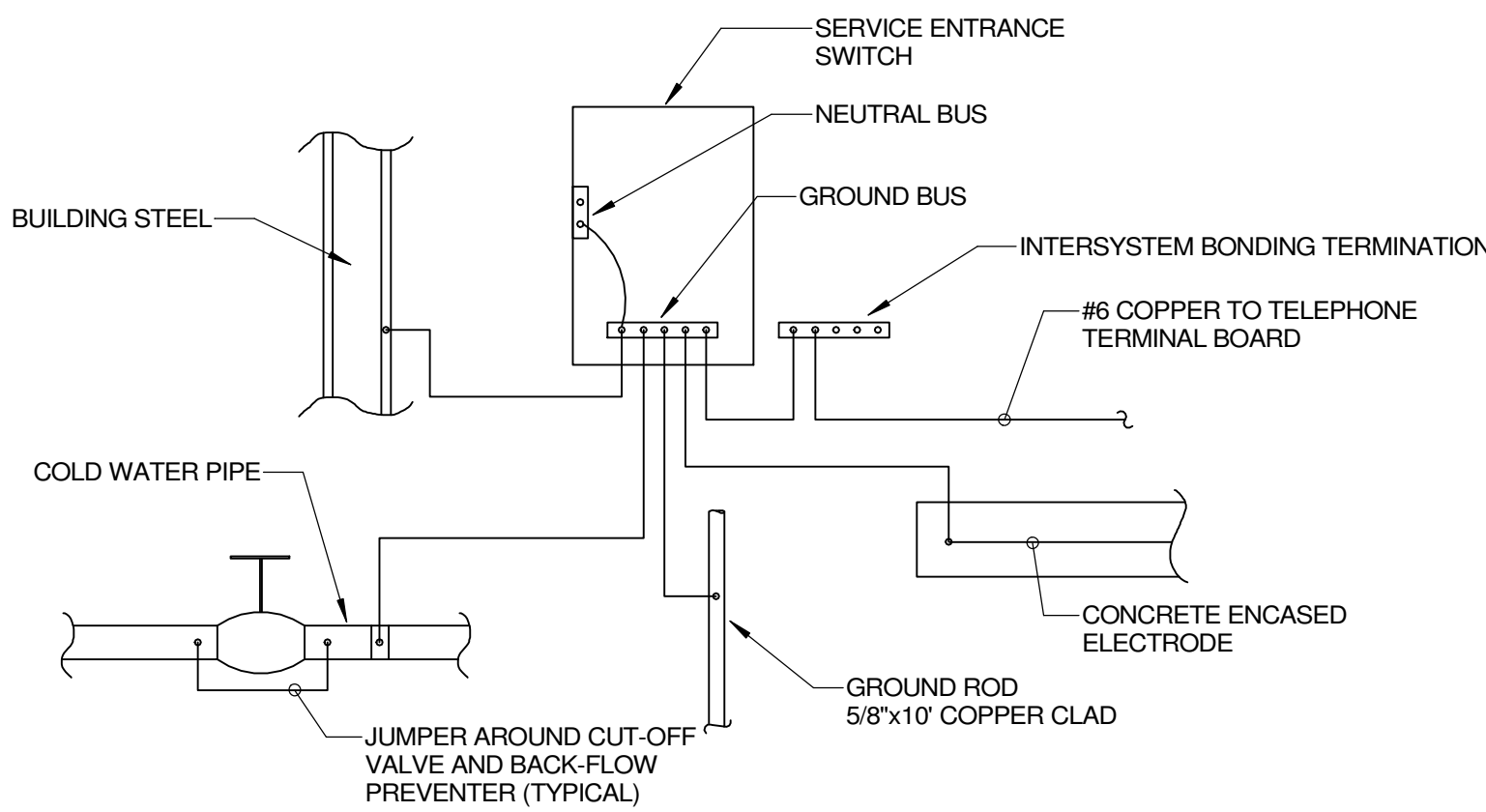


# RISER KEY NOTES

- COORDINATE EXACT LOCATION AND ALL REQUIREMENTS OF UTILITY TRANSFORMER WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
- SEE SERVICE GROUND DETAIL ON THIS SHEET.



ELECTRICAL RISER DIAGRAM - 240/120V, 1P, 3W, 60A SERVICE  
NO SCALE



ELECTRICAL SERVICE GROUND  
NO SCALE

BOND ALL INDICATED SYSTEMS THAT ARE PRESENT TO GROUNDING ELECTRODE SYSTEM PER NEC 250.50.  
ALL GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED PER NEC 250.66.

# GENERAL ELECTRICAL NOTES

- VISIT PROJECT SITE BEFORE SUBMISSION OF BID AND BECOME FAMILIAR WITH EXISTING CONDITIONS, LOCATIONS OF UTILITIES, AND EXTENT OF DEMOLITION REQUIRED.
- COORDINATE INSTALLATION OF NEW SERVICE WITH LOCAL ELECTRIC UTILITY COMPANY. PROVIDE TRENCHING, CONDUIT, METER BASE, CONCRETE PAD, AND OTHER ITEMS AS REQUIRED. INSTALL SERVICE IN ACCORDANCE WITH CURRENT UTILITY COMPANY REQUIREMENTS.
- VERIFY ELECTRICAL POWER REQUIREMENTS FOR ALL EQUIPMENT. PROVIDE CIRCUITS AND FUSES SIZED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- PROVIDE DISCONNECT SWITCH FOR ANY HARDWIRED EQUIPMENT NOT SUPPLIED WITH DISCONNECTING MEANS. DISCONNECT SHALL BE RATED FOR LOCATION INSTALLED.
- PROVIDE CONTROL POWER SOURCE FOR ALL STARTERS AND CONTROL PANELS NOT SUPPLIED WITH CONTROL POWER TRANSFORMERS. INSTALL AND CONNECT ALL CONTROL DEVICES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- MAINTAIN CODE REQUIRED WORKING CLEARANCE AT ALL ELECTRICAL PANELS, DISCONNECT SWITCHES, AND STARTERS.
- ALL RECEPTACLES ON DEDICATED CIRCUITS SHALL BE RATED NO LESS THAN CIRCUIT OVERCURRENT DEVICE.
- ALL GROUND-FAULT CIRCUIT-INTERRUPTER RECEPTACLES SHALL BE READILY ACCESSIBLE PER CODE. CONFIRM ACCESSIBILITY PRIOR TO ROUGH-IN. IF NECESSARY SERVE A STANDARD RECEPTACLE WITH AN INTEGRAL GROUND FAULT 20 AMP 1 POLE CIRCUIT BREAKER OR PROVIDE A STAND ALONE GFI DEVICE IN A READILY ACCESSIBLE ADJACENT LOCATION.
- CONFIRM CIRCUITRY REQUIREMENTS OF OWNER FURNISHED EQUIPMENT INCLUDING MOUNTING HEIGHT(S) OF ELECTRICAL CONNECTION(S). RECEPTACLE NEMA CONFIGURATION OR OVERCURRENT PROTECTION SIZE & WIRE SIZE WITH FINAL VENDOR DRAWINGS PRIOR TO ROUGH-IN.
- COORDINATE LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES WITH ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS. PROVIDE FIXTURES COMPATIBLE WITH CEILING TYPE INSTALLED.
- EXTERIOR LIGHTING SHALL BE TURNED ON AT DUSK BY A PHOTOCELL, AND TURNED OFF AT A PRESET TIME BY A TIMSWITCH. PHOTOCELL SHALL BE MOUNTED ON BUILDING NEAR ROOF. TIMSWITCH SHALL BE MOUNTED ADJACENT TO ELECTRICAL PANEL. TIMSWITCH SHALL BE SEVEN DAY WITH RESERVE POWER. FOR MULTIPLE CIRCUIT APPLICATION, PROVIDE MECHANICALLY HELD CONTACTOR WITH APPROPRIATE QUANTITY OF POLES.
- CONTRACTOR SHALL PROVIDE COMMISSIONING BY MANUFACTURER FOR ALL LIGHTING CONTROL SYSTEMS. COMMISSIONING AGENT SHALL PROVIDE WRITTEN REPORT INDICATING THAT THE LIGHTING SYSTEM HAS BEEN TESTED TO ENSURE LIGHTING CONTROL IS FUNCTIONING ACCORDING TO CONSTRUCTION DOCUMENTS AND MANUFACTURERS' INSTRUCTIONS PRIOR TO FINAL INSPECTION. FUNCTIONAL TESTING SHALL BE DONE IN ACCORDANCE WITH 2018 IECC SECTIONS C408.3.1.1 TO C408.3.1.2. WRITTEN REPORT SHALL BE PROVIDED TO THE OWNER, THE ELECTRICAL ENGINEER, AND THE AUTHORITY OF JURISDICTION.
- PROVIDE SURGE PROTECTIVE DEVICES (SPD) AT PANELBOARDS AS INDICATED. SPD EQUIPMENT TO BE RATED FOR 100,000 AMPS PER PHASE SURGE AT PANELBOARDS. CLAMPING VOLTAGE TO BE 600 VOLTS ON 120/208 VOLTS. SURGE MODULES SHALL BE REPLACEABLE. (APPROVED MANUFACTURER IS ERICO MODEL TDX100S120208 OR EQUAL.) IN THE EVENT MODULE IS MOUNTED SEPARATELY/ADJACENT TO PANEL, PROVIDE NEMA 3R ENCLOSURE FOR MODULE.

ELECTRICAL LEGEND

COORDINATE WITH ARCHITECT/OWNER'S REP FOR CONFIRMATION OF DEVICE MOUNTING HEIGHT PRIOR TO ROUGH-IN. TYPICAL FOR ALL LIGHT SWITCHES (INCLUDING DIMMERS AND OCCUPANCY/VACANCY SENSORS), BUTTON/CONTROL STATIONS AND FIRE ALARM PULL STATIONS WHERE APPLICABLE.

- CONDUIT RUN CONCEALED IN WALL, CEILING, OR FLOOR
- CONDUIT RUN, CONCEALED IN FLOOR OR UNDERGROUND
- CONDUIT RUN, INSTALLED EXPOSED
- HOMERUN TO PANEL INDICATED
- RECEPTACLE, DUPLEX, 120V, 15A, UNO, @ 18" AFF TO BOTTOM
- RECEPTACLE, DUPLEX, 120V, 15A, UNO, SMH
- RECEPTACLE, QUADRAPLEX, 120V, 15A, UNO, @ 18" AFF TO BOTTOM
- RECEPTACLE, QUADRAPLEX, 120V, 15A, UNO, SMH
- RECEPTACLE, SINGLE, 250V, AMPS AS NOTED, @ 18" AFF TO BOTTOM
- RECEPTACLE, DUPLEX, 120V, 15A, UNO, FLUSH MTD IN FLOOR
- RECEPTACLE, QUADPLEX, 120V, 15A, UNO, FLUSH MTD IN FLOOR
- RECEPTACLE, SINGLE, 120V, AMPS AS NOTED, @ 18" AFF TO BOTTOM
- JUNCTION BOX, SIZE AS REQUIRED
- SWITCH, SINGLE POLE, 120/277V, 20A, 46" AFF TO TOP OF DEVICE.
- LIGHTING FIXTURES  
SEE FIXTURE SCHEDULE
- SWITCH, MOTOR STARTING, MANUAL, SIZE AS REQUIRED
- MOTOR STARTER, MAGNETIC, SIZE AS REQUIRED
- MOTOR, SEE PANEL SCHEDULE FOR SIZE AND SERVICE
- PHOTOCELL
- REFER TO ELECTRICAL DESIGN KEY NOTE INDICATED
- REFER TO GENERAL ELECTRICAL NOTE INDICATED
- TRANSFORMER, SIZE AS NOTED
- SURGE PROTECTIVE DEVICE
- LIGHTING CONTACTOR - RATED VOLTAGE/POLES/AMP RATING

ABBREVIATIONS:

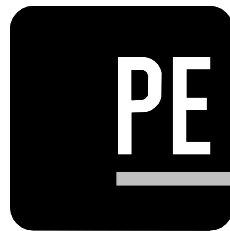
- AC AIR CONDITIONER
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- CLG CEILING
- EF EXHAUST FAN
- EX EXISTING
- ETR EXISTING TO REMAIN
- GFI GROUND FAULT INTERRUPTER
- MTD MOUNTED
- TTB TELEPHONE TERMINAL BOARD
- SMH SPECIAL MOUNTING HEIGHT (4" TO BOTTOM OF DEVICE ABOVE CASEWORK/BACKSPASH OR 46" TO TOP OF DEVICE AFF IF NO CASEWORK/BACKSPASH)
- UNO UNLESS NOTED OTHERWISE
- XFMR TRANSFORMER
- WH WATER HEATER
- WP WEATHERPROOF - WHILE IN USE
- WR WEATHERPROOF - WHILE NOT IN USE

VOLTAGE: 240/120V., 1PH., 3W.		MAIN BKR: 60 A	BUS: 60 A	A.I.C. : 22K	MOUNTING: SURFACE	ENCLOSURE RATING: NEMA 3R
NOTES:						
CKT	DESCRIPTION	WIRE SIZE	BKR AMPS	A	B	CKT
1	GATE OPERATOR	10	20 A	1.5	0.0	2
3	SPARE		20 A		0.0	4
5	SPACE		--	--	--	6
7	SPACE		--	--	--	8
9	SPACE		--	--	0.0	10
11	SPACE		--	--	0.0	12
G						
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND...	ESTIMATED DEMAND	PANEL TOTAL LOADS	
POWER		1.5	100.00%	1.5	CONNECTED LOAD:	1.5 kVA
					DEMAND FACTOR:	100.00%
					ESTIMATED DEMAND:	1.5 kVA
					ESTIMATED CURRENT:	6.3 A

ALPHA BLDG SET 01-15-2026

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FACTORY SHOALS PARK  
SITE IMPROVEMENTS

PREPARED FOR:  
NEWTON COUNTY, GEORGIA

COVINGTON

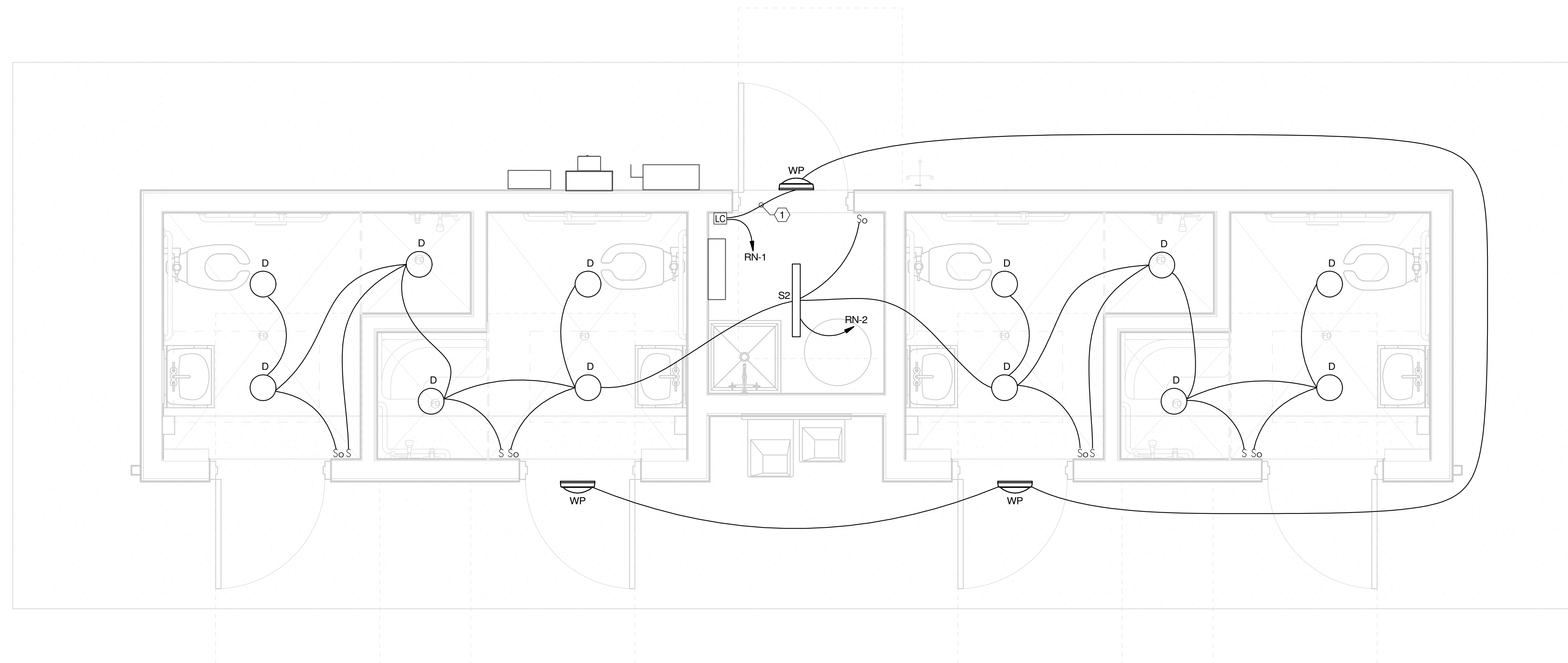
SUBMITTALS / REVISIONS		
NO	DATE	DESCRIPTION


SHEET TITLE  
**ELECTRICAL SITE  
LEGEND, NOTES,  
RISER &  
SCHEDULES**

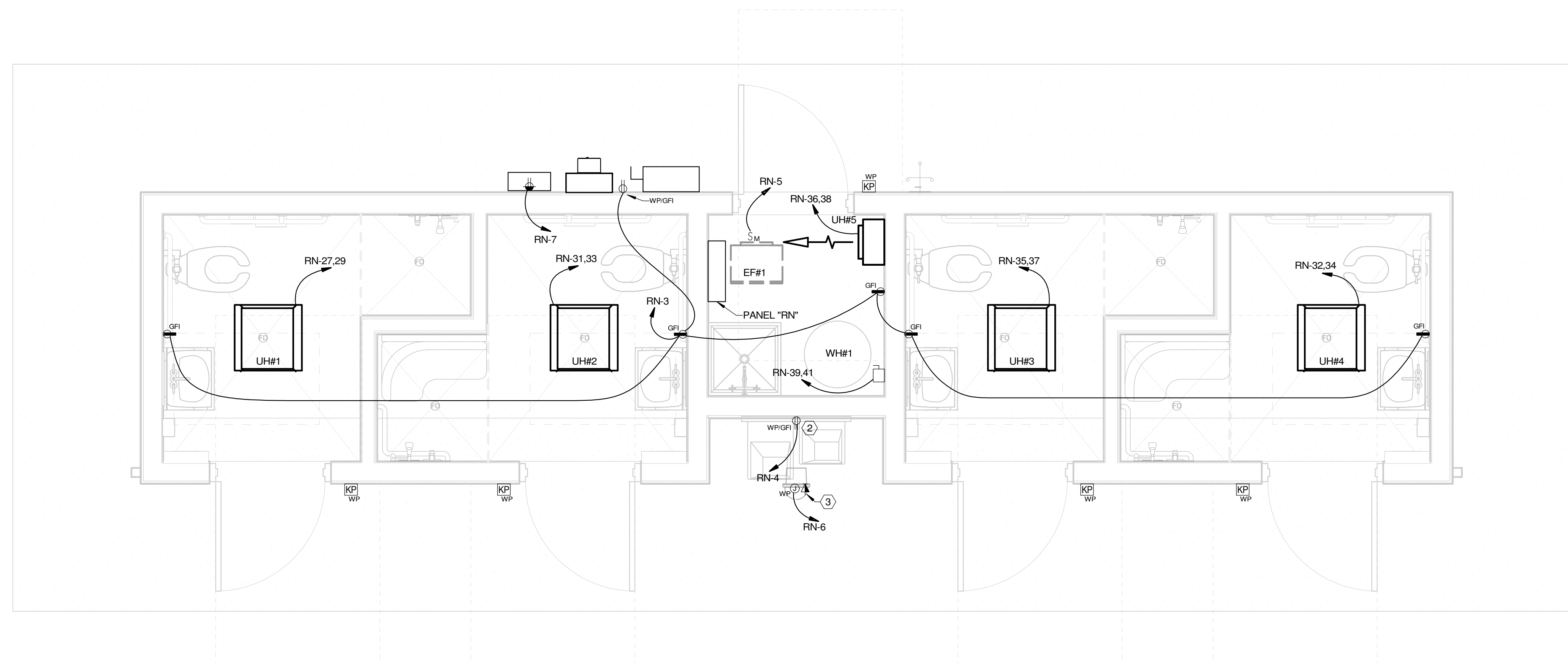
PROJECT NO. 23042-1	DATE 11/21/2025
DRAWN BY SEJ	SCALE
CHECKED BY JKM	As indicated
SHEET NO.	

E1.03





- 
- 
1. ROUTE LIGHTING CIRCUIT THROUGH LIGHTING CONTACTOR "LC-N".
  2. PROVIDE POWER FOR ELECTRIC FAUCET. COORDINATE EXACT LOCATION AND ALL REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
  3. PROVIDE POWER AND DATA FOR CAMERA. COORDINATE EXACT LOCATION AND ALL REQUIREMENTS WITH SECURITY VENDOR PRIOR TO ROUGH-IN.



MECHANICAL EQUIPMENT SCHEDULE (NORTH RESTROOMS)						
UNIT #	UNIT DESCRIPTION	VOLTAGE (V)	PHASE	MCA (A)	MOCP (A)	DISCONNECT
EF#1	EXHAUST FAN (1)	120	1	1.0	20	MOTOR SWITCH
UH#1	UNIT HEATER (2)	240	1	20.8	30	INTEGRAL DISC
UH#2	UNIT HEATER (2)	240	1	20.8	30	INTEGRAL DISC
UH#3	UNIT HEATER (2)	240	1	20.8	30	INTEGRAL DISC
UH#4	UNIT HEATER (2)	240	1	20.8	30	INTEGRAL DISC
UH#5	UNIT HEATER (2)	240	1	20.8	30	INTEGRAL DISC

PLUMBING EQUIPMENT SCHEDULE (NORTH RESTROOMS)						
UNIT #	UNIT DESCRIPTION	VOLTAGE (V)	PHASE	MCA (A)	MOCP (A)	DISCONNECT
WH#1	WATER HEATER	240	1	37.5	50	240/2/60

NOTES:  
(1) EXHAUST FAN TO BE CONTROLLED BY OCCUPANCY SENSOR IN ROOM.  
(2) FLUSH MOUNTED INTEGRAL DISCONNECT SWITCH INCLUDED.

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FACTORY SHOALS PARK\_NORTHSIDE  
RESTROOM BUILDING

PREPARED BY:  
NEWTON COUNTY, GEORGIA

COVINGTON

GEORGIA

SUBMITTALS / REVISIONS		
NO.	DATE	DESCRIPTION

[illegible]

SHEET TITLE

**ELECTRICAL  
PLAN - NORTH  
RESTROOMS**

PROJECT NO. <b>23042-1</b>	DATE <b>11/21/2025</b>
DRAWN BY <b>SEJ</b>	SCALE  <b>As indicated</b>
CHECKED BY <b>JKM</b>	
SHEET NO.	

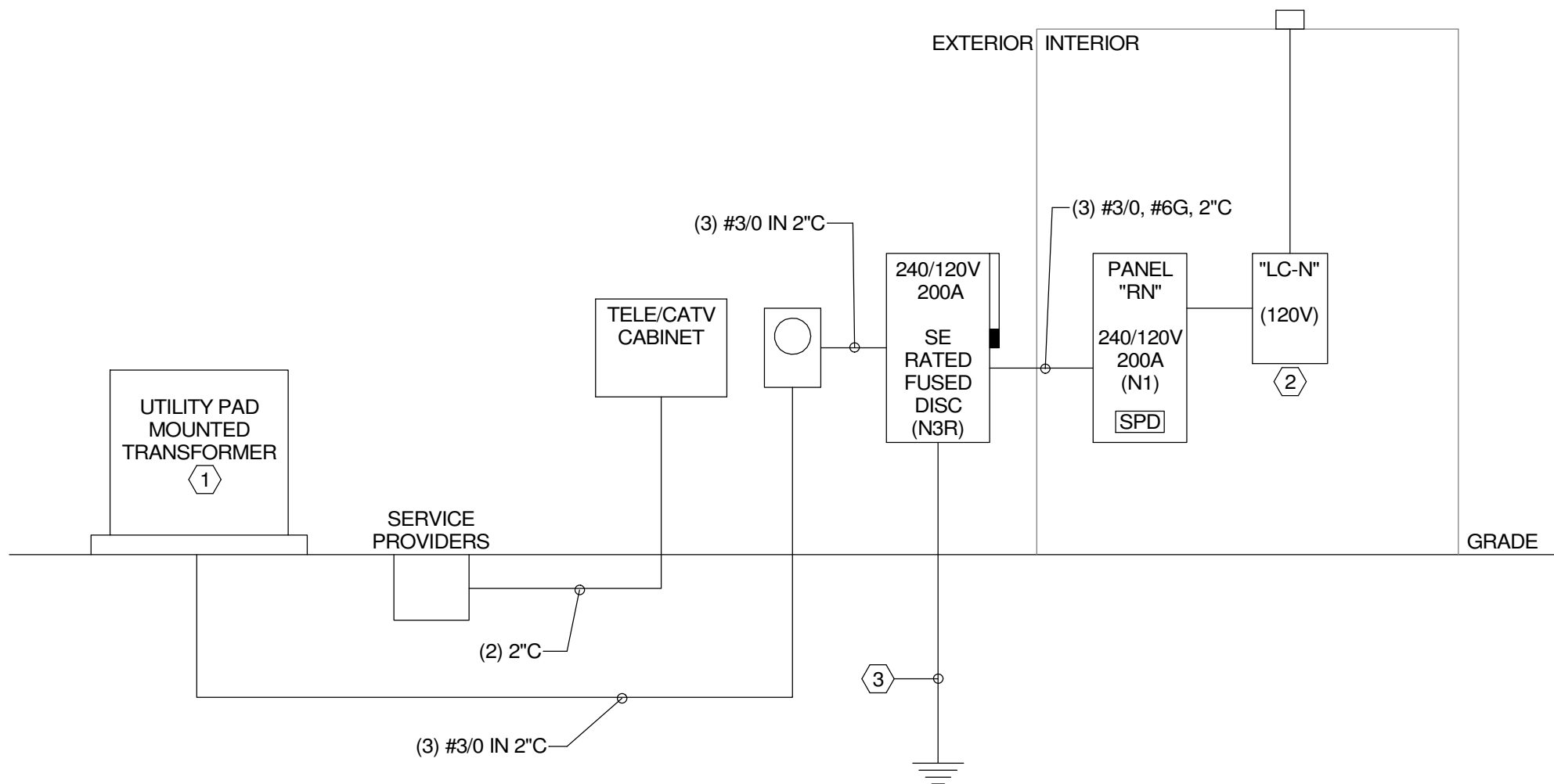
HEET NO.

**E2.01N**

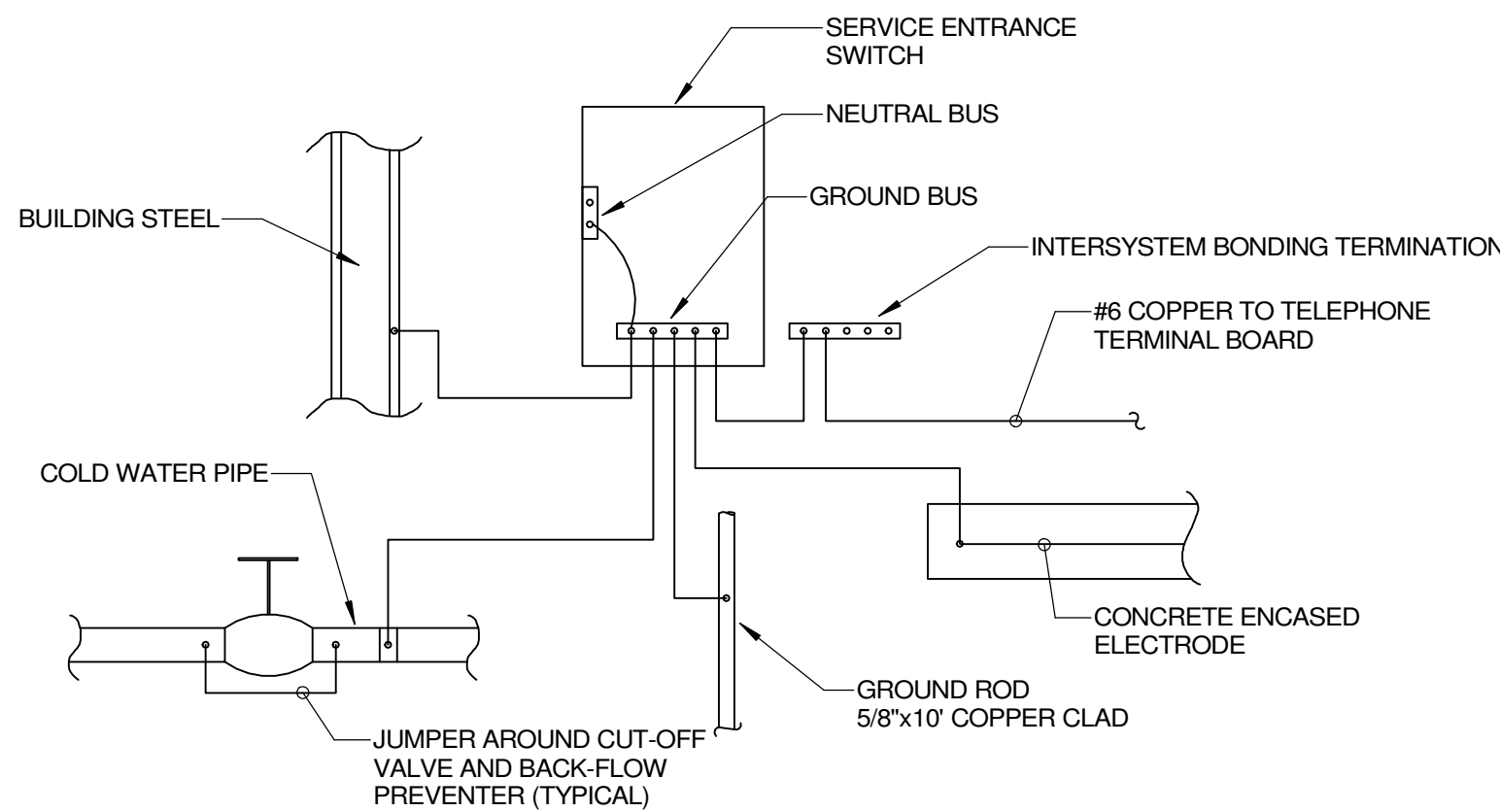


# RISER KEY NOTES

- COORDINATE EXACT LOCATION AND ALL REQUIREMENTS OF UTILITY TRANSFORMER WITH LOCAL UTILITY PRIOR TO CONSTRUCTION.
- PROVIDE (4) CIRCUIT TORK W SERIES WITH TORK 2100 SERIES PHOTOCELL OR APPROVED EQUAL.
- SEE SERVICE GROUND DETAIL ON THIS SHEET.



ELECTRICAL RISER DIAGRAM - 240/120V, 1P, 3W, 200A SERVICE  
NO SCALE



ELECTRICAL SERVICE GROUND

NO SCALE

BOND ALL INDICATED SYSTEMS THAT ARE PRESENT TO GROUNDING ELECTRODE SYSTEM PER NEC 250.50.  
ALL GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED PER NEC 250.66.

# GENERAL ELECTRICAL NOTES

- VISIT PROJECT SITE BEFORE SUBMISSION OF BID AND BECOME FAMILIAR WITH EXISTING CONDITIONS, LOCATIONS OF UTILITIES, AND EXTENT OF DEMOLITION REQUIRED.
- COORDINATE INSTALLATION OF NEW SERVICE WITH LOCAL ELECTRIC UTILITY COMPANY. PROVIDE TRENCHING, CONDUIT, METER BASE, CONCRETE PAD, AND OTHER ITEMS AS REQUIRED. INSTALL SERVICE IN ACCORDANCE WITH CURRENT UTILITY COMPANY REQUIREMENTS.
- PROVIDE A 3/4" THICK PLYWOOD TELEPHONE TERMINAL BOARD WITHIN THE TELEPHONE AND CATV CABINETS AND PROVIDE EACH BOARD WITH A #6 COPPER GROUND WIRE TO THE SERVICE ENTRANCE GROUND. WIDTH AND HEIGHT OF BOARDS TO BE PER UTILITY COMPANY'S RECOMMENDATIONS.
- VERIFY ELECTRICAL POWER REQUIREMENTS FOR ALL EQUIPMENT. PROVIDE CIRCUITS AND FUSES SIZED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- PROVIDE DISCONNECT SWITCH FOR ANY HARDWIRED EQUIPMENT NOT SUPPLIED WITH DISCONNECTING MEANS. DISCONNECT SHALL BE RATED FOR LOCATION INSTALLED.
- REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR LOCATIONS AND CONTROL REQUIREMENTS FOR MECHANICAL EQUIPMENT AND FOR STARTERS, DISCONNECT SWITCHES AND CONVENIENCE RECEPTACLES THAT MAY BE FURNISHED WITH THE EQUIPMENT.
- PROVIDE CONTROL POWER SOURCE FOR ALL STARTERS AND CONTROL PANELS NOT SUPPLIED WITH CONTROL POWER TRANSFORMERS. INSTALL AND CONNECT ALL CONTROL DEVICES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- MAINTAIN CODE REQUIRED WORKING CLEARANCE AT ALL ELECTRICAL PANELS, DISCONNECT SWITCHES, AND STARTERS.
- RECEPTACLES LOCATED IN THOSE AREAS DESIGNATED PER NEC 406.12. SHALL BE LISTED AS TAMPER RESISTANT.
- ALL RECEPTACLES ON DEDICATED CIRCUITS SHALL BE RATED NO LESS THAN CIRCUIT OVERCURRENT DEVICE.
- WHERE RECEPTACLES ARE INDICATED IN WALLS THAT SUPPORT CASEWORK, COORDINATE WITH ARCHITECT AND ARCHITECT'S ELEVATION PLANS FOR APPROPRIATE MOUNTING HEIGHTS PRIOR TO ROUGH-IN.
- ALL GROUND-FAULT CIRCUIT-INTERRUPTER RECEPTACLES SHALL BE READILY ACCESSIBLE PER CODE. CONFIRM ACCESSIBILITY PRIOR TO ROUGH-IN. IF NECESSARY SERVE A STANDARD RECEPTACLE WITH AN INTEGRAL GROUND FAULT 20 AMP 1-POLE CIRCUIT BREAKER OR PROVIDE A STAND ALONE GFI DEVICE IN A READILY ACCESSIBLE ADJACENT LOCATION.
- CONFIRM CIRCUITRY REQUIREMENTS OF OWNER FURNISHED EQUIPMENT INCLUDING MOUNTING HEIGHT(S) OF ELECTRICAL CONNECTION(S). RECEPTACLE NEMA CONFIGURATION OR OVERCURRENT PROTECTION SIZE & WIRE SIZE WITH FINAL VENDOR DRAWINGS PRIOR TO ROUGH-IN.
- COORDINATE LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES WITH ARCHITECT'S REFLECTED CEILING PLANS AND ELEVATION DRAWINGS. PROVIDE FIXTURES COMPATIBLE WITH CEILING TYPE INSTALLED.
- EXTERIOR LIGHTING SHALL BE TURNED ON AT DUSK BY A PHOTOCELL, AND TURNED OFF AT A PRESET TIME BY A TIMSWITCH. PHOTOCELL SHALL BE MOUNTED ON BUILDING NEAR ROOF. TIMSWITCH SHALL BE MOUNTED ADJACENT TO ELECTRICAL PANEL. TIMSWITCH SHALL BE SEVEN DAY WITH RESERVE POWER. FOR MULTIPLE CIRCUIT APPLICATION, PROVIDE MECHANICALLY HELD CONTACTOR WITH APPROPRIATE QUANTITY OF POLES.
- COORDINATE LOCATION OF LIGHTS IN EQUIPMENT AND MECHANICAL ROOMS WITH INSTALLED EQUIPMENT SO THAT ALL GAUGES, SWITCHES, AND SERVICE LOCATIONS ARE ILLUMINATED.
- CONTRACTOR SHALL PROVIDE COMMISSIONING BY MANUFACTURER FOR ALL LIGHTING CONTROL SYSTEMS. COMMISSIONING AGENT SHALL PROVIDE WRITTEN REPORT INDICATING THAT THE LIGHTING SYSTEM HAS BEEN TESTED TO ENSURE LIGHTING CONTROL IS FUNCTIONING ACCORDING TO CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS PRIOR TO FINAL INSPECTION. FUNCTIONAL TESTING SHALL BE DONE IN ACCORDANCE WITH 2018 IECC SECTIONS C408.3.1.1 TO C408.3.1.2. WRITTEN REPORT SHALL BE PROVIDED TO THE OWNER, THE ELECTRICAL ENGINEER, AND THE AUTHORITY OF JURISDICTION.
- PROVIDE UL LISTED TECHNIQUES FOR PENETRATIONS OF RATED WALL AND CEILING WITH CONDUIT OR OPEN WIRING. SEE ARCHITECTURAL DRAWINGS FOR WALL AND CEILING RATINGS.
- INSTALL FIRE RATED ELECTRICAL BOXES LOCATED ON OPPOSITE SIDES OF RATED WALLS SUCH THAT THEY ARE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES MINIMUM.
- ELECTRICAL BOXES WITHIN RATED WALLS AND CEILINGS MUST BE INSTALLED TO MAINTAIN THE RATING OF THE WALL OR CEILING. BOXES ON OPPOSITE SIDES OF RATED WALLS MAY BE A UL LISTED FIRE RATED BOX INSTALLED PER UL LISTING OR METAL BOXES BE SEPARATED BY 24 INCHES. IF BOXES ON OPPOSITE SIDES OF RATED WALLS ARE INSTALLED LESS THAN 24 INCHES APART THEY MUST BE WRAPPED WITH MANUFACTURER INSTALLED OR FIELD INSTALLED INTUMESCENT PUTTY PAD.
- WHERE LIGHT SWITCHES OR DIMMER SWITCH(ES) ARE INDICATED IN A SPACE (ROOM OR CORRIDORS) THAT ALSO CONTAINS CEILING MOUNTED OCCUPANCY SENSOR(S), THE SWITCH(ES) AND OCCUPANCY SENSOR(S) ASSOCIATED WITH THE SPACE MUST WORK TOGETHER SUCH THAT THE OCCUPANCY SENSOR(S) AUTOMATICALLY TURN OFF THE LIGHTING 15 MINUTES AFTER THE LAST OCCUPANT HAS LEFT THE SPACE. WHERE LIGHT FIXTURES WITHIN THE SPACE ARE SERVED FROM DIFFERENT CIRCUITS, PROVIDE RELAYS AS REQUIRED FOR APPROPRIATE OCCUPANCY SENSOR CONTROL INTERFACE TO MEET INTENT.
- WHERE DIMMING SWITCHES ARE INDICATED, COORDINATE/CONFIRM THAT SWITCHES ARE COMPATIBLE WITH THE TYPE OF DIMMING DRIVER BEING UTILIZED (I.E. 0-10V, ELV, MLV, ETC.).

23. RESTROOM OCCUPANCY SENSORS SHALL CONTROL LIGHTING AND EXHAUST FAN TOGETHER. FAN SHALL RUN WHEN EITHER RESTROOM IS OCCUPIED. PROVIDE ADDITIONAL RELAYS FOR SEPARATE CIRCUITS OR DIFFERENT VOLTAGES.

24. PROVIDE SURGE PROTECTIVE DEVICES (SPD) AT PANELBOARDS AS INDICATED. SPD EQUIPMENT TO BE RATED FOR 100,000 AMPS PER PHASE SURGE AT PANELBOARDS. CLAMPING VOLTAGE TO BE 600 VOLTS ON 120/208 VOLTS. SURGE MODULES SHALL BE REPLACEABLE. (APPROVED MANUFACTURER IS ERICO MODEL TDX100S120208 OR EQUAL.) IN THE EVENT MODULE IS MOUNTED SEPARATELY/ADJACENT TO PANEL, PROVIDE NEMA 3R ENCLOSURE FOR MODULE.

25. STUB FOUR EMPTY 1" CONDUITS FROM JUNCTION BOXES ADJACENT TO PANEL "RN" AND PANEL "RS" TO 24" BELOW GRADE AND THREE FEET OUTSIDE BUILDING AT NEAREST EXTERIOR WALL FOR FUTURE USE.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	DIMMING TYPE	COLOR TEMP	WATTS	VOLTS	MANUFACTURER	MODEL
D	LED VANDAL RESISTANT RECESSED ROUND DOWNLIGHT, 6", 2000 LUMENS, WET LOCATION LISTED , VANDAL / HIGH ABUSE OPEN HOUSING	0-10V	4000K	23W	UNV	FAIL-SAFE	FLDD6CX SERIES
S2	LED SURFACE 2' STRIP LIGHT, 2680 LUMENS, DAMP LOCATION LISTED	PHASE	4000K	22W	UNV	METALUX	SLSTP LENSED SERIES
WP	LED VANDAL RESISTANT ROUND WALL PACK, 1155 LUMENS, WET LOCATION LISTED, OPAL FOUR QUADRANT POLYCARBONATE LENS	N/A	4000K	25W	UNV	FAIL-SAFE	TRF11 SERIES
NOTES: 1. PRIOR TO BID/INSTALLATION, COORDINATE WITH ARCH-OWNER FOR ACCEPTABLE LOCATIONS OF REMOTE DRIVERS FOR THOSE LIGHT FIXTURES REQUIRING THEM. 2. ALL FIXTURES TO BE SUPPLIED WITH LED LAMPS. 3. FIXTURES SHALL BE COMPATIBLE WITH CEILING TYPE. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING FIRE RATING. 4. ALL FIXTURES INSTALLED IN AN INSULATED CEILING SHALL BE I. C. RATED. 5. "UNV" INDICATES THE FIXTURE DRIVER APPROPRIATE FOR EITHER 120V OR 277V.							

ELECTRICAL LEGEND

COORDINATE WITH ARCHITECT/OWNER'S REP FOR CONFIRMATION OF DEVICE MOUNTING HEIGHT PRIOR TO ROUGH-IN. TYPICAL FOR ALL LIGHT SWITCHES (INCLUDING DIMMERS AND OCCUPANCY/VACANCY SENSORS), BUTTON/CONTROL STATIONS AND FIRE ALARM PULL STATIONS WHERE APPLICABLE.

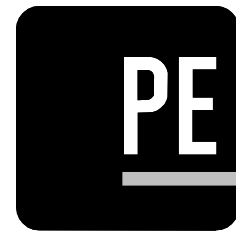
- CONDUIT RUN CONCEALED IN WALL, CEILING, OR FLOOR
- CONDUIT RUN, CONCEALED IN FLOOR OR UNDERGROUND
- CONDUIT RUN, INSTALLED EXPOSED
- HOMERUN TO PANEL INDICATED
- RECEPTACLE, DUPLEX, 120V, 15A. UNO, @ 18" AFF TO BOTTOM
- RECEPTACLE, DUPLEX, 120V, 15A. UNO, SMH
- RECEPTACLE, QUADRAPLEX, 120V, 15A. UNO, @ 18" AFF TO BOTTOM
- RECEPTACLE, QUADRAPLEX, 120V, 15A. UNO, SMH
- RECEPTACLE, SINGLE, 250V, AMPS AS NOTED, @ 18" AFF TO BOTTOM
- JUNCTION BOX, SIZE AS REQUIRED
- SWITCH, SINGLE POLE, 120/277V, 20A, 46" AFF TO TOP OF DEVICE.
- SWITCH, THREE WAY, 120/277V, 20A, 46" AFF TO TOP OF DEVICE
- DIMMING SWITCH, 120/277V, WALL MOUNTED DECORA STYLE, 46" AFF TO TOP OF DEVICE. CONFIRM DIMMING SWITCH IS COMPATIBLE WITH TYPE DIMMING OF ASSOCIATED LIGHT FIXTURE(S). (0-10V, ELV, MLV, ETC.)
- OCCUPANCY SENSOR SWITCH, PASSIVE INFRARED, 120V, WALL MOUNTED 46" AFF TO TOP OF DEVICE, WATTSTOPPER WA-200
- COMBINATION OCCUPANCY SENSOR/DIMMING SWITCH, DUAL TECHNOLOGY, 0-10V DIMMING, 120V, WALL MOUNTED 46" AFF TO TOP OF DEVICE, WATTSTOPPER DW-311
- LIGHTING LOW VOLTAGE TOUCHSCREEN, WATTSTOPPER, PROVIDE SWITCH COMPATIBLE TO ROOM CONTROLLER, "B" DENOTES QUANTITY OF BUTTONS AND "F" DENOTES ZONE CONFIGURATION
- 4"x 4" TEL-DATA OUTLET BOX W/1" C STUBBED TO ABOVE CEILING, MOUNTED @ 18" AFF TO BOTTOM OF BOX.
- 4"x 4" TEL-DATA OUTLET BOX W/1" C STUBBED TO ABOVE CEILING, MOUNTED @ SPECIAL HEIGHT.
- ACCESS KEYPAD WITH BATTERIES AND OCCUPANCY INDICATOR DEAD BOLT. SARGENT KP-10 AND 468 SERIES AS SPECIFICATIONS INDICATE
- LIGHTING FIXTURES SEE FIXTURE SCHEDULE
- DISCONNECT SWITCH, NON-FUSED, DESCRIBED BY: VOLTAGE RATING/NO. OF POLES/SWITCH SIZE IN AMPS
- DISCONNECT SWITCH, FUSED, DESCRIBED BY: VOLTAGE RATING/NO. OF POLES/FUSE SIZE IN AMPS
- SWITCH, MOTOR STARTING, MANUAL, SIZE AS REQUIRED
- MOTOR STARTER, MAGNETIC, SIZE AS REQUIRED
- MOTOR, SEE PANEL SCHEDULE FOR SIZE AND SERVICE
- PHOTOCELL
- REFER TO ELECTRICAL DESIGN KEY NOTE INDICATED
- REFER TO GENERAL ELECTRICAL NOTE INDICATED
- TRANSFORMER, SIZE AS NOTED
- SURGE PROTECTIVE DEVICE
- LIGHTING CONTACTOR - RATED VOLTAGE/POLES/AMP RATING
- PUSHBUTTON STATION - @ 46" AFF TO TOP OF DEVICE

ABBREVIATIONS:

- A/C AIR CONDITIONER
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AHU AIR HANDLING UNIT
- CLG CEILING
- CU CONDENSING UNIT
- EF EXHAUST FAN
- EX EXISTING
- ETR EXISTING TO REMAIN
- GFI GROUND FAULT INTERRUPTER
- MTD MOUNTED
- TTB TELEPHONE TERMINAL BOARD
- PAU PACKAGED AIR UNIT
- SMH SPECIAL MOUNTING HEIGHT (4" TO BOTTOM OF DEVICE ABOVE CASEWORK/BACKSPLASH OR 46" TO TOP OF DEVICE AFF IF NO CASEWORK/BACKSPLASH)
- UNO UNLESS NOTED OTHERWISE
- XFMR TRANSFORMER
- WH WATER HEATER
- WP WEATHERPROOF - WHILE IN USE
- WR WEATHERPROOF - WHILE NOT IN USE

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FACTORY SHOALS PARK\_NORTHSIDE  
RESTROOM BUILDING

PREPARED FOR:  
NEWTON COUNTY, GEORGIA

COVINGTON

SUBMITTALS / REVISIONS

NO	DATE	DESCRIPTION

SHEET TITLE

ELECTRICAL  
LEGEND, NOTES,  
RISER &  
SCHEDULES

PROJECT NO. 23042-1  
DRAWN BY SEJ  
CHECKED BY JKM  
SCALE As indicated  
DATE 11/21/2025  
SHEET NO. E3.01N

ALPHA BLDG SET 01-15-2026





COMcheck Software Version 4.1.5.5

## Interior Lighting Compliance Certificate

### Project Information

Energy Code: 2015 IECC  
Project Title: Factory Shoals North and South Restrooms  
Project Type: New Construction

Construction Site: Covington, GA  
Owner/Agent:  
Designer/Contractor:

### Additional Efficiency Package(s)

Credits: 1.0 Required 1.0 Proposed  
Reduced Lighting Power, 1.0 credit

### Allowed Interior Lighting Power

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B X C)
1-North Restroom (Retail)	288	1.13	327
2-South Restroom (Retail)	288	1.13	327
Total Allowed Watts = 653			

### Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-North Restroom (Retail) LED 1: D: DOWNLIGHT: Other: LED 2: S2: 2' STRIP: Other:	1	12	23	276
2-South Restroom (Retail) LED 1: D: DOWNLIGHT: Other: LED 2: S2: 2' STRIP: Other:	1	8	23	184
Total Proposed Watts = 504				

Interior Lighting PASSES: Design 23% better than code

### Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kyle McKinney - Electrical PE

Name - Title

Signature

Date

Project Title: Factory Shoals North and South Restrooms  
Data filename: Z:\2025\25189\Comcheck\25189 Comcheck Report.cck  
Report date: 11/18/25  
Page 1 of 7

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15] <sup>1</sup>	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [EL18] <sup>1</sup>	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2.3 [EL23] <sup>2</sup>	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2.1 [EL22] <sup>2</sup>	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Lighting controlled by occupancy sensors.
C405.2.3 [EL16] <sup>2</sup>	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.2.3.1, C405.2.3.2 [EL20] <sup>1</sup>	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.2.3.1, C405.2.3.3 [EL21] <sup>1</sup>	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.
C405.2.4 [EL4] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 [EL8] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.5 [EL25] <sup>1(a)</sup>	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.3 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	<b>Exception:</b> Requirement does not apply.

Additional Comments/Assumptions:

1 | High Impact (Tier 1) 2 | Medium Impact (Tier 2) 3 | Low Impact (Tier 3)  
Project Title: Factory Shoals North and South Restrooms  
Data filename: Z:\2025\25189\Comcheck\25189 Comcheck Report.cck  
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COMcheck Software Version 4.1.5.5

## Exterior Lighting Compliance Certificate

### Project Information

Energy Code: 2015 IECC  
Project Title: Factory Shoals North and South Restrooms  
Project Type: New Construction  
Exterior Lighting Zone: 2 (Residential mixed use area (LZ2))

Construction Site: Covington, GA  
Owner/Agent:  
Designer/Contractor:

### Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Other door (not main entry)	15 ft of door	20	Yes	300
Total Tradable Watts (a) =				300
Total Allowed Watts =				300
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.

(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

### Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Other door (not main entry) (15 ft. of door width): Tradable Wattage LED 1: WP: Wall Pack: Other:	1	3	25	75
Total Tradable Proposed Watts = 75				

Exterior Lighting PASSES: Design 92% better than code

### Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Kyle McKinney - Electrical PE

Name - Title

Signature

Date

Project Title: Factory Shoals North and South Restrooms  
Data filename: Z:\2025\25189\Comcheck\25189 Comcheck Report.cck  
Report date: 11/18/25  
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COMcheck Software Version 4.1.5.5

## Inspection Checklist

Energy Code: 2015 IECC

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C103.2 [PR8] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C406 [PR9] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 | High Impact (Tier 1) 2 | Medium Impact (Tier 2) 3 | Low Impact (Tier 3)

Project Title: Factory Shoals North and South Restrooms  
Data filename: Z:\2025\25189\Comcheck\25189 Comcheck Report.cck  
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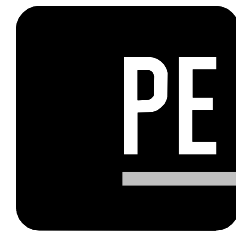
Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [F117] <sup>1</sup>	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.4.1 [F118] <sup>1</sup>	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C405.5.1 [F119] <sup>1</sup>	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.2.5.1 [F116] <sup>1</sup>	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.3 [F133] <sup>1</sup>	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 | High Impact (Tier 1) 2 | Medium Impact (Tier 2) 3 | Low Impact (Tier 3)  
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DESIGN  
SPACES FOR LIFE.

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FACTORY SHOALS PARK\_NORTHSIDE  
RESTROOM BUILDING

PREPARED FOR:  
NEWTON COUNTY, GEORGIA

COVINGTON

GEORGIA

### SUBMITTALS / REVISIONS

NO	DATE	DESCRIPTION

### SHEET TITLE

LIGHTING  
COMCHECK  
REPORTS

PROJECT NO. 23042-1  
DRAWN BY: SEJ  
CHECKED BY: JKM  
SHEET NO.  
DATE 11/21/2025  
SCALE

E3.02N

ALPHA BLDG SET 01-15-2026