

General Notes

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, LATEST ADOPTED EDITION, AND OTHER APPLICABLE CODES AND ORDINANCES AS ADOPTED BY POINSETT COUNTY, THE CITY OF TRUMMAN, AND ANY OTHER GOVERNING JURISDICTIONS.
2. ALL MECHANICAL AND PLUMBING WORK TO BE PERFORMED IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE AND THE INTERNATIONAL BUILDING CODE, LATEST ADOPTED EDITION, AND ALL OTHER APPLICABLE CODES AND ORDINANCES AS ADOPTED BY POINSETT COUNTY AND ANY OTHER GOVERNING JURISDICTIONS.
3. ALL ELECTRICAL WORK TO BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE INTERNATIONAL BUILDING CODE, LATEST ADOPTED EDITION, AND OTHER APPLICABLE CODES AND ORDINANCES AS ADOPTED BY POINSETT COUNTY AND ANY OTHER GOVERNING JURISDICTIONS.
4. DIMENSIONS ARE TO FACE OF MASONRY, FACE OF FINISHED WALL, OR TO CENTERLINE OF STRUCTURE, UNLESS OTHERWISE INDICATED.
5. DIMENSIONS AND NOTES FOR A GIVEN CONDITION ARE TYPICAL FOR ALL SIMILAR CONDITIONS UNLESS OTHERWISE NOTED. DO NOT SCALE PLANS.
6. DRAWINGS AT LARGER SCALE SHALL TAKE PRECEDENCE OVER DRAWINGS AT A SMALLER SCALE. NOTIFY ARCHITECT IMMEDIATELY OF ANY INCONSISTENCIES IN THE DRAWINGS, PRIOR TO PROCEEDING WITH WORK.
7. ALL WALL SURFACES ARE TO BE MADE FLUSH AND SMOOTH PRIOR TO PAINTING OR INSTALLATION OF WALL COVERING.
8. ALL FLOOR SURFACES ARE TO BE MADE SMOOTH PRIOR TO INSTALLATION OF FLOORING.
9. DURING CONSTRUCTION, CONTRACTOR SHALL PROVIDE TEMPORARY WATERPROOFING AND SECURITY AT ALL OPENINGS.
10. CONTRACTOR SHALL EXECUTE ALL CUTTING AND PATCHING FOR INSTALLATION OF AND/ OR MODIFICATIONS TO HVAC, ELECTRICAL, PLUMBING, FIRE SUPPRESSION, ETC. SYSTEMS. EXECUTE ALL PATCHING TO RESTORE FINISHES TO MATCH ADJACENT SURFACES.
11. "ALIGN", AS INDICATED IN THE CONTRACT DOCUMENTS, SHALL MEAN TO ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
12. GENERAL CONTRACTOR/CONSTRUCTION MANAGER IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT THE WORK IS BUILDABLE AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION CONDITIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
13. CONTRACTORS ARE RESPONSIBLE FOR SUPPLYING ALL MATERIALS AND LABOR TO COMPLETE THE WORK TO THE FULLEST INTENT OF THE PLANS, WHETHER EVERY DETAIL IS SHOWN HEREIN OR NOT.
14. ALL BIDDERS SHALL VISIT THE SITE TO THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID PROPOSAL.

Abbreviations

Table listing abbreviations for various construction materials and components, including Air Conditioning, Acoustic, Aluminum, Brick, Concrete, and more.

PROPOSED TRUMANN FIRE STATION TRUMANN, ARKANSAS

Materials

Table showing material symbols and their corresponding names, such as Earth, Gravel, Concrete, CMU, Brick, Steel, Aluminum, and various insulation types.

Symbols

Table showing symbols for details, wall types, door types, window types, and other architectural notations.

Index to Drawings

Table listing drawing numbers and titles, categorized into No. Drawing, ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, and FIRE PROTECTION.

Zoning Data

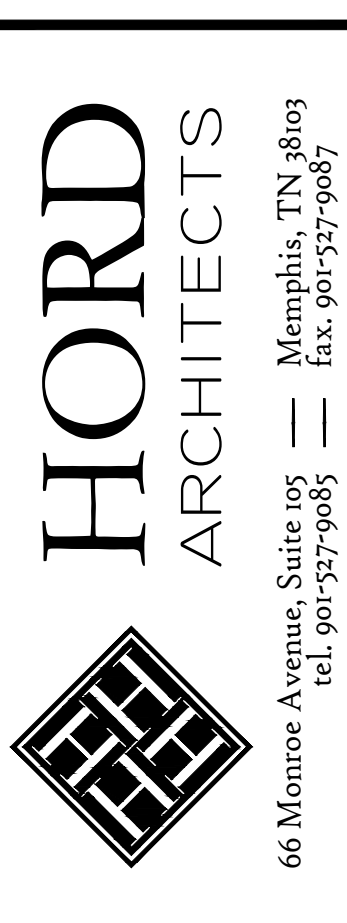
Table listing zoning data including address (801 WEST MAIN, TRUMANN, ARKANSAS), zone, and required setbacks.

Building Code Data

Table listing building code data, including descriptions of work, occupancy classification, area calculations, building height, and fire resistance ratings.

Deductive Alternates

- 1. DEDUCTIVE ALTERNATE NO. 1: STATE THE AMOUNT TO BE DEDUCTED FROM THE BASE BID FOR OMITTING THE BRICK WAINSCOT ON THE RESIDENTIAL PORTION OF THE BUILDING AND ALL ASSOCIATED BUILDING WORK, INCLUDING FOOTINGS, AND CONTINUE THE METAL PANELS TO THE BOTTOM OF WALL.
2. DEDUCTIVE ALTERNATE NO. 2: STATE THE AMOUNT TO BE DEDUCTED FROM THE BASE BID FOR OMITTING THE BRICK ON THE TRUCK BAY PORTION OF THE BUILDING AND INSTALLING FINISHED METAL PANELS.
3. DEDUCTIVE ALTERNATE NO. 3: STATE THE AMOUNT TO BE DEDUCTED FROM THE BASE BID FOR OMITTING THE FRONT PORCH FROM THE ENTRY OF THE BUILDING. CONCRETE WALKS SHALL REMAIN PART OF THE BASE BID.
4. DEDUCTIVE ALTERNATE NO. 4: STATE THE AMOUNT TO BE DEDUCTED FROM THE BASE BID FOR OMITTING THE CERAMIC TILE WAINSCOT IN ALL TOILET ROOMS, AND PAINTING THE WALLS WITH EPOXY PAINT. FLOOR AND BASE TILE SHALL REMAIN PART OF THE BASE BID.



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PROPOSED: TRUMANN FIRE STATION 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02 DRAWN BY: PK CHECKED BY: CAH DATE: 10-11-2023 REVISIONS:

SHEET NO.: T101

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PROPOSED:  
**TRUMANN FIRE STATION**  
 801 WEST MAIN ST, TRUMANN, AR 72472

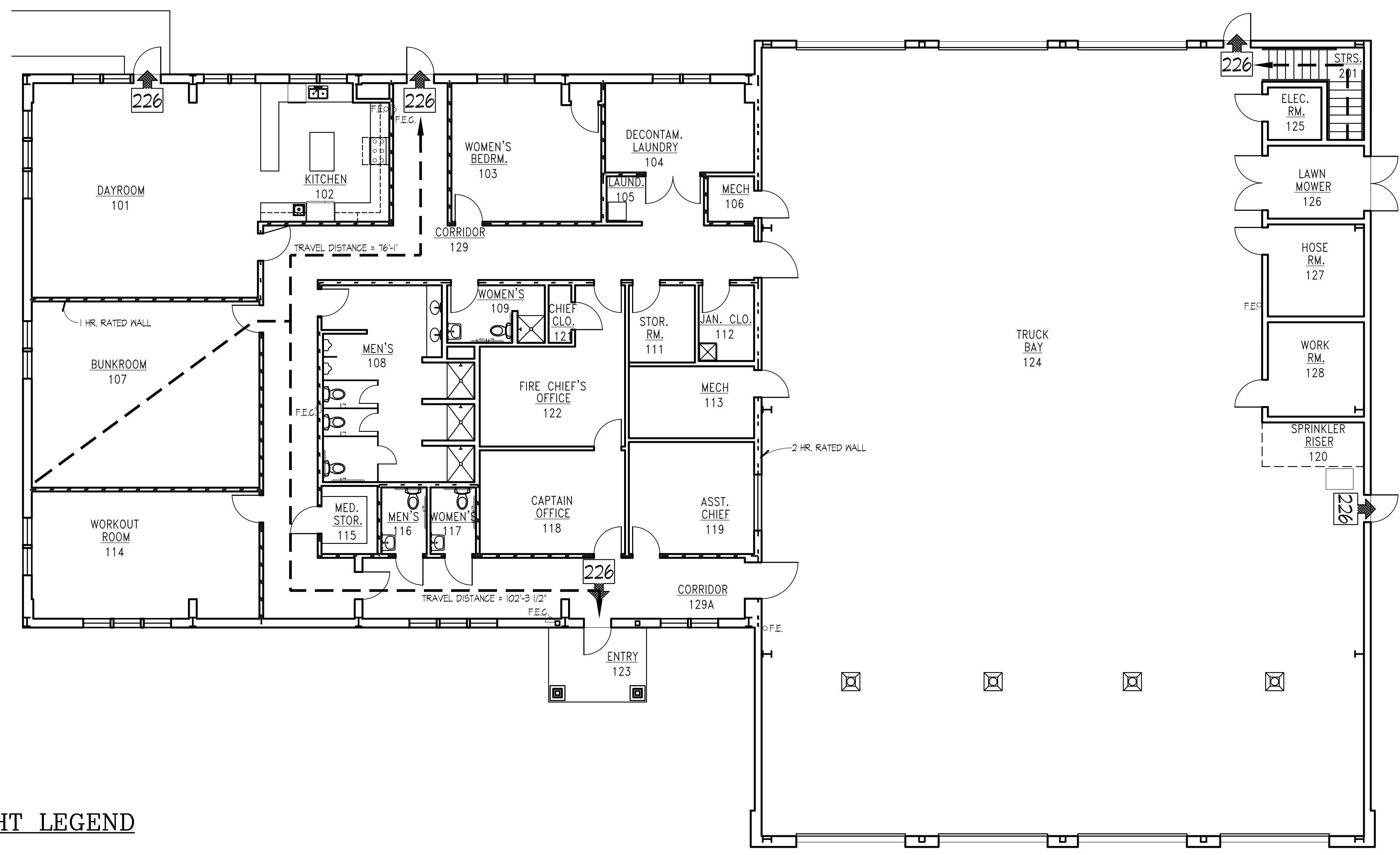
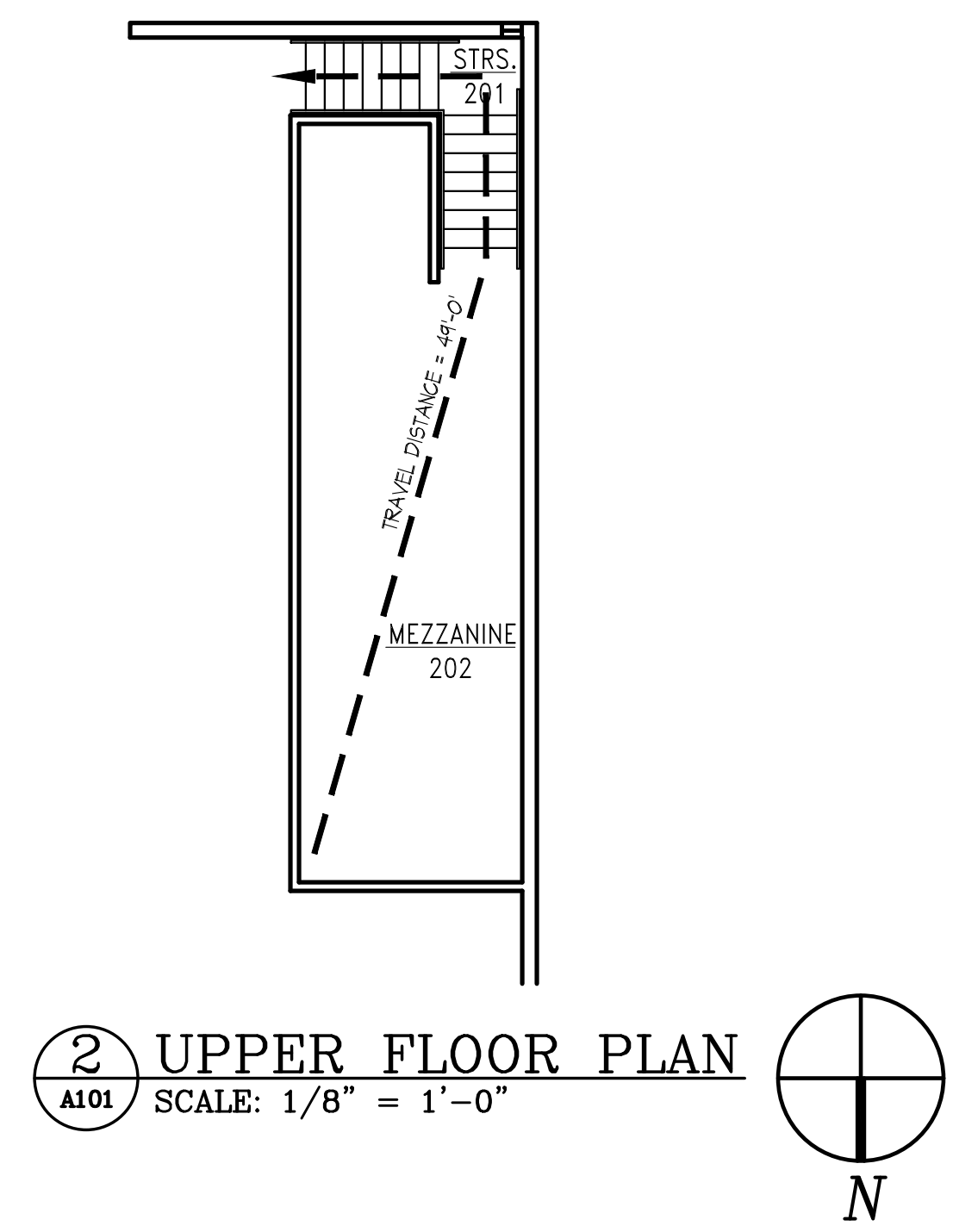
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### LIFE SAFETY LEGEND

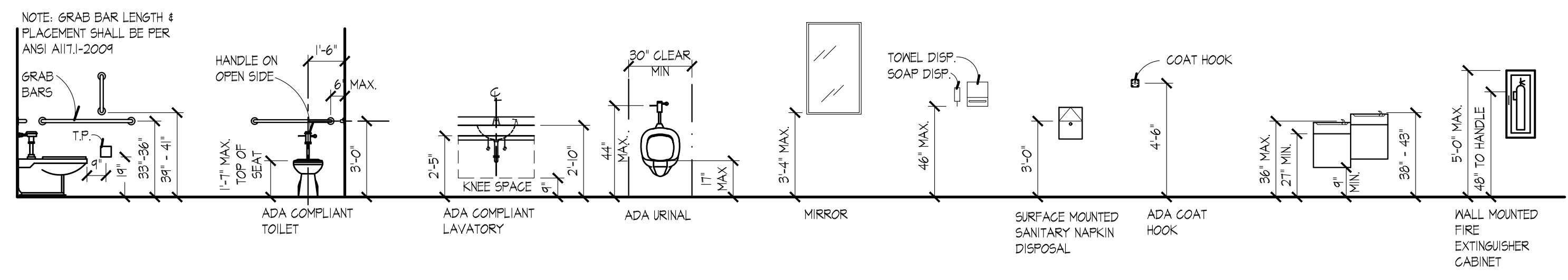
- - - - - 1 HOUR RATED PARTITION
- - - - - 2 HOUR RATED PARTITION
- - - - - TRAVEL DISTANCE
- ☐ FIRE EXTINGUISHER CABINET
- FIRE EXTINGUISHER
- 226 EGRESS DIRECTION AND CAPACITY

NOTES:  
 1) MAXIMUM TRAVEL DISTANCE ALLOWED = 250'  
 2) EGRESS WIDTH OF DOORS = 0.15' PER PERSON



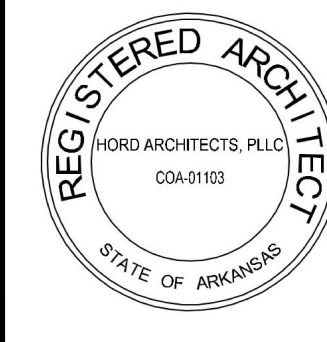
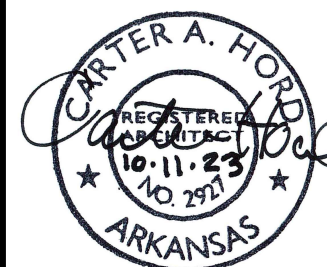
### FIXTURE MOUNTING HEIGHT LEGEND

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

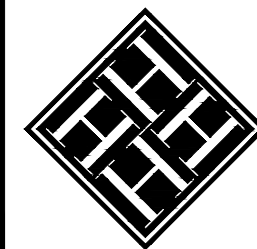


## LIFE SAFETY PLAN & FIXTURE HEIGHT LEGEND

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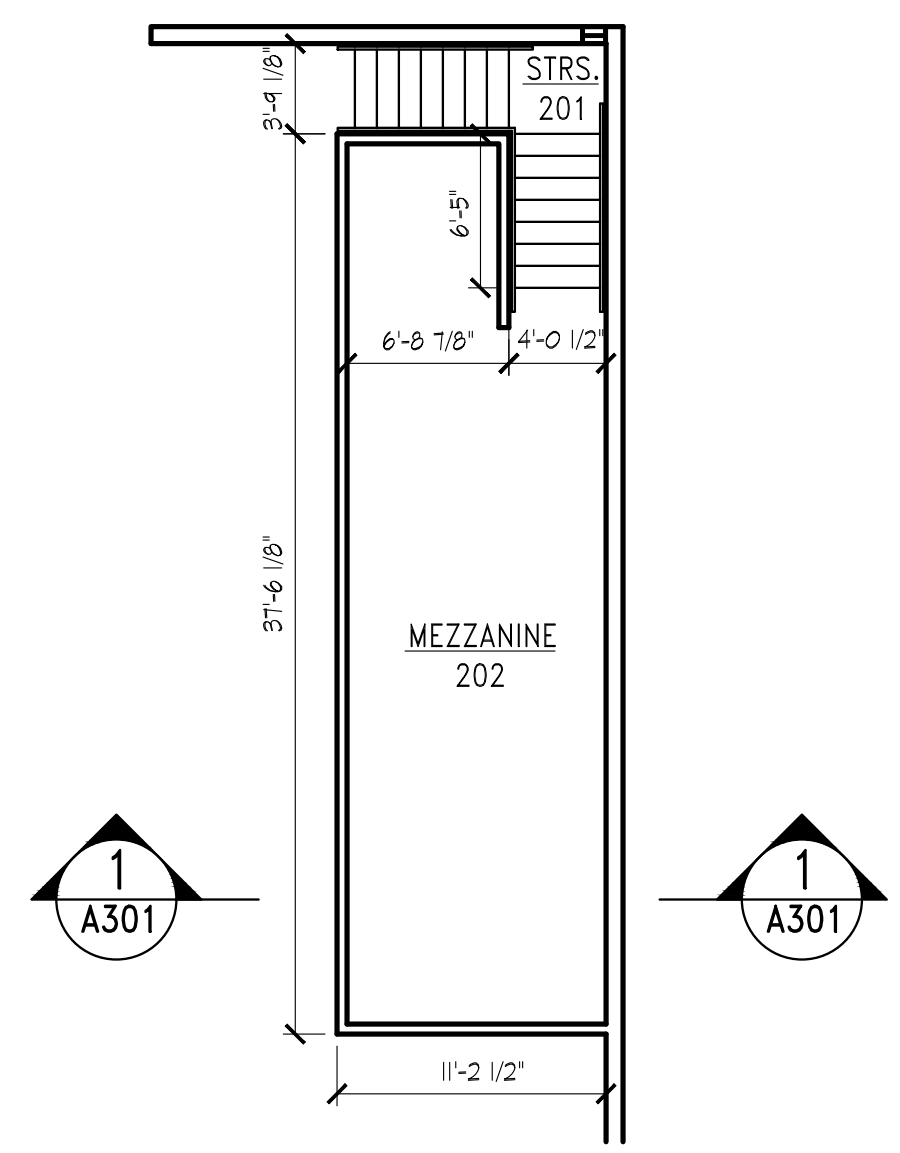
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801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
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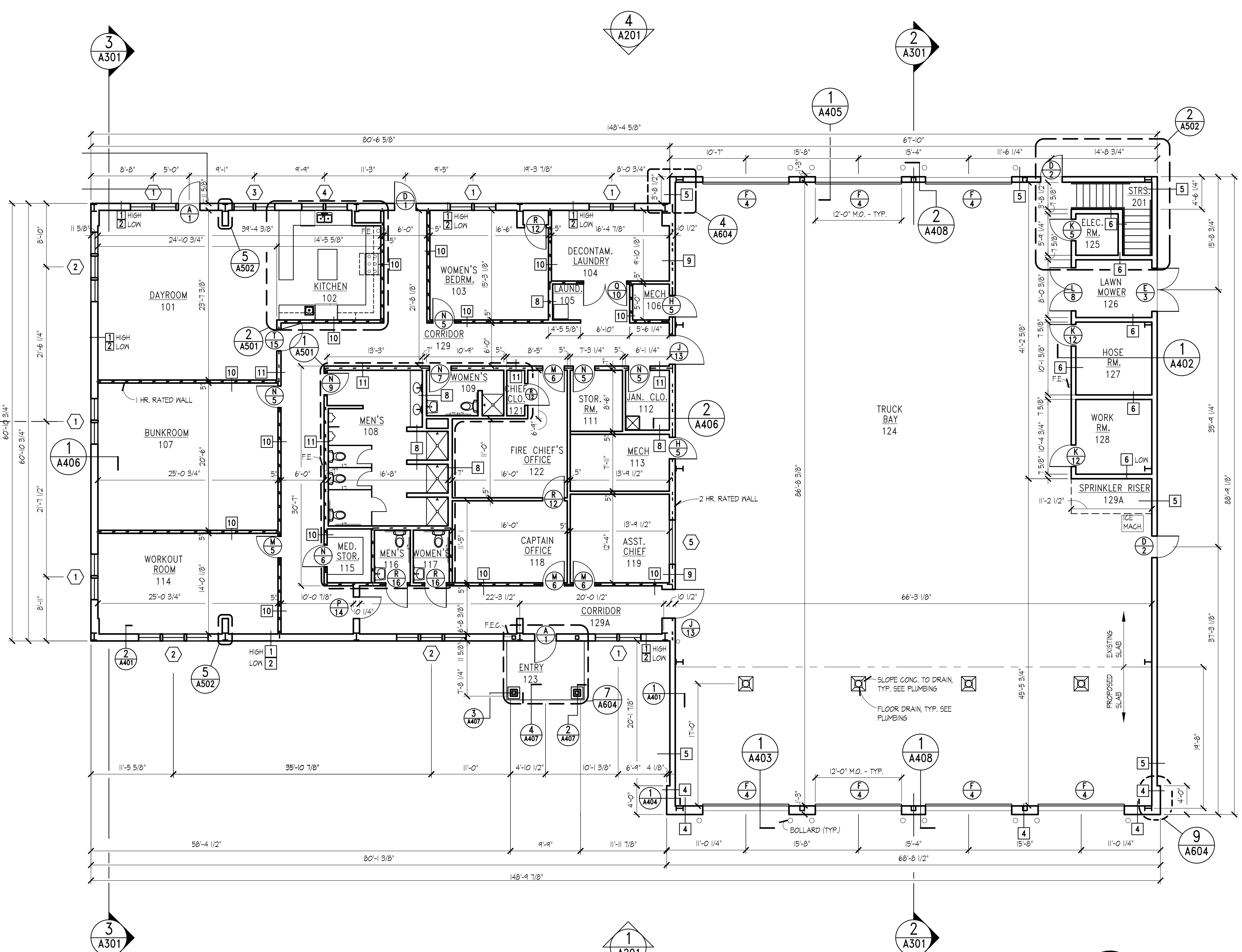
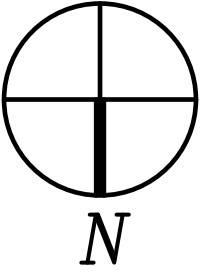
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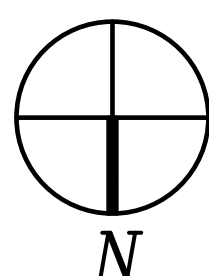
- GENERAL NOTES:
- 1) ALL INTERIOR WALLS ARE TYPE 1 U.N.O.
  - 2) ALL INTERIOR DOORS ARE 5" FROM ADJACENT WALL U.N.O.
  - 3) SEE CIVIL PLANS FOR SITEWORK AND PAVING.



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

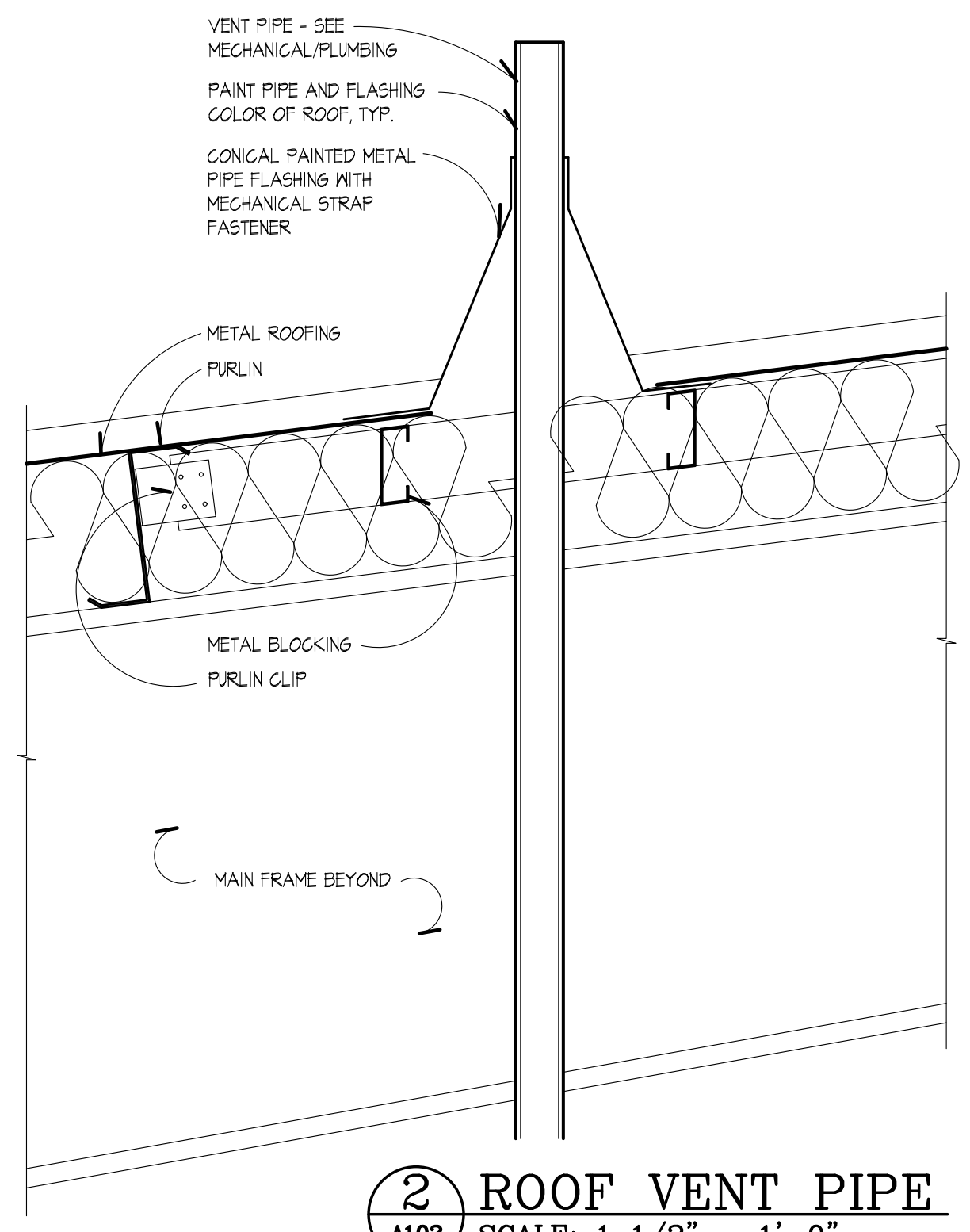


**1 FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

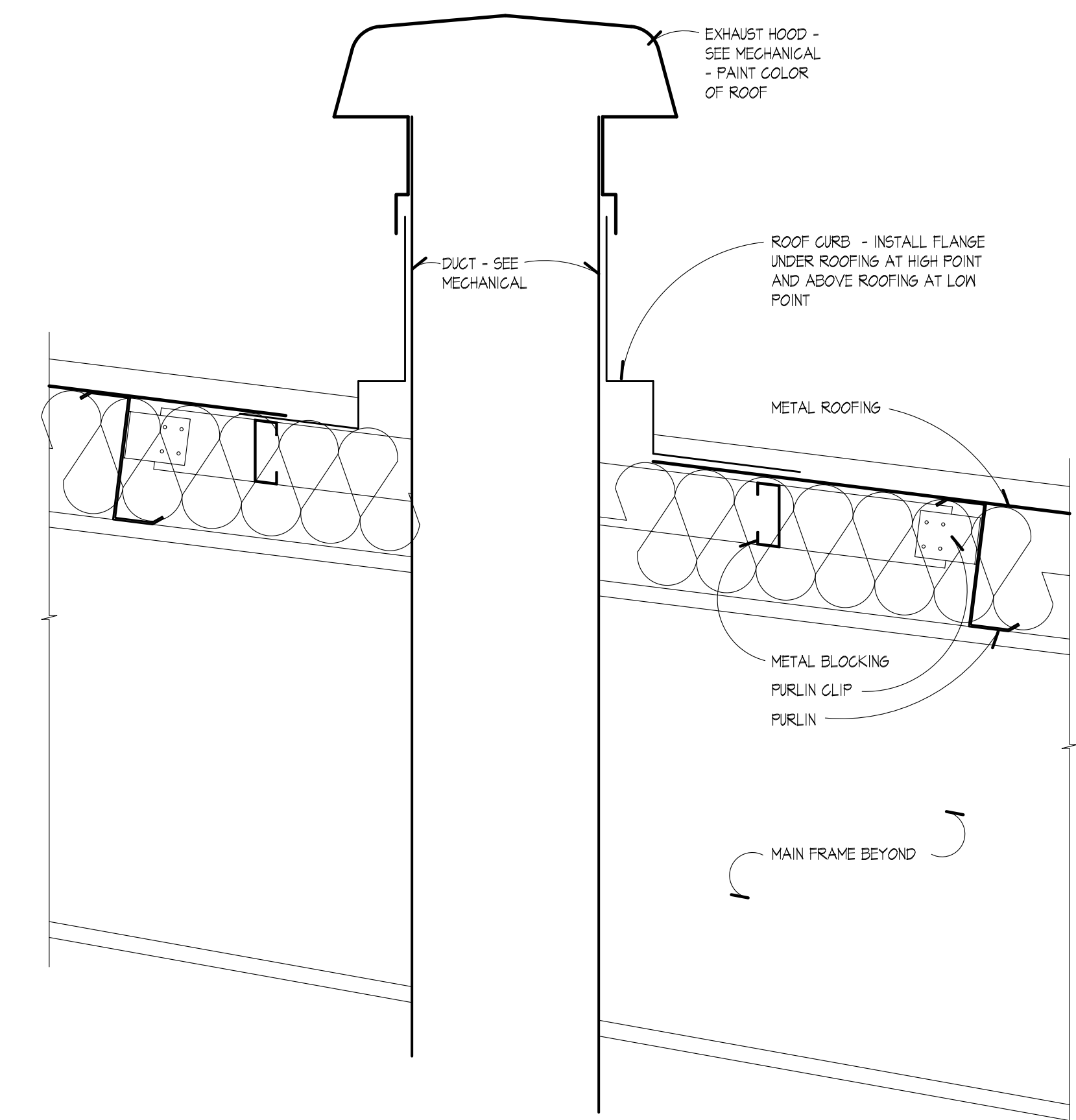


FLOOR PLAN

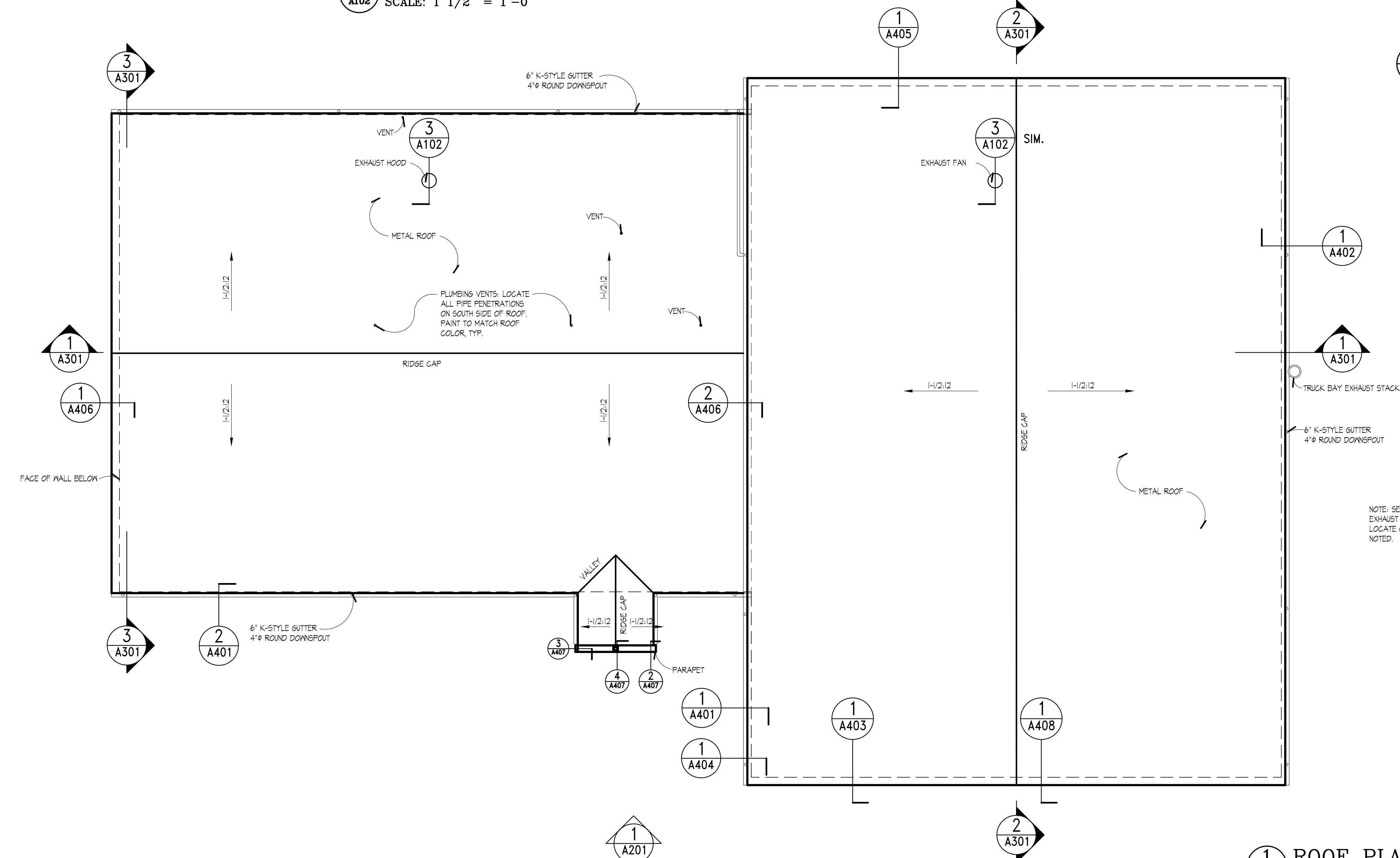




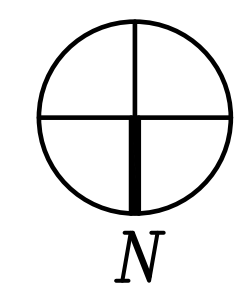
**2 ROOF VENT PIPE**  
SCALE: 1 1/2" = 1'-0"



**3 ROOF EXHAUST HOOD**  
SCALE: 1 1/2" = 1'-0"



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



SEALS:

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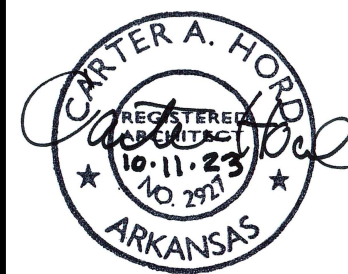
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**TRUMANN FIRE STATION**  
801 WEST MAIN ST, TRUMANN, AR 72472

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SEALS:

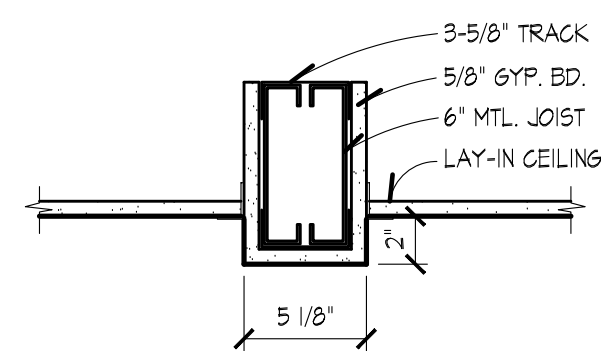


**GENERAL NOTES:**

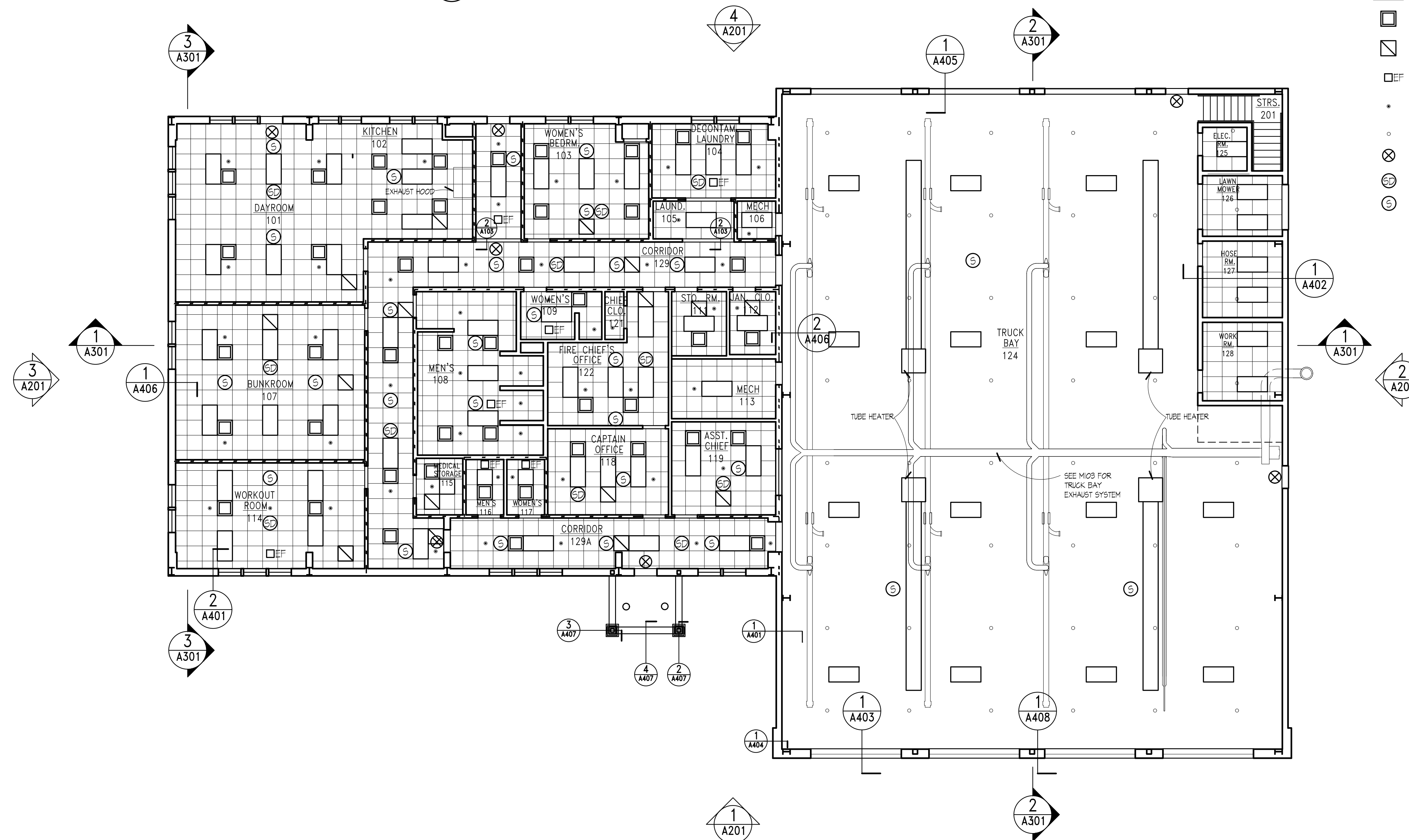
1. SEE FINISH SCHEDULE FOR CEILING HEIGHTS.
2. SEE MEP DRAWINGS FOR ALL OTHER CEILING MOUNTED FIXTURES & EQUIPMENT.
3. SEE ELECTRICAL LIGHTING DRAWINGS FOR OTHER LIGHTS NOT SHOWN HERE.

**LEGEND**

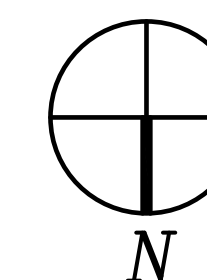
- 2' x 2' CEILING TILE
- RECESSED CAN LIGHT
- 2' x 2' LIGHT
- 1x4 LIGHT
- 2' x 4' LIGHT
- CEILING DIFFUSER
- RETURN AIR GRILLE
- EXHAUST FAN
- RECESSED PENDANT SPRINKLER HEAD
- UPRIGHT SPRAY SPRINKLER HEAD
- EXIT LIGHT
- SMOKE DETECTOR
- SPEAKER



**2 FURR-DOWN DETAIL**  
A103 SCALE: 1-1/2" = 1'-0"



**1 REFLECTED CEILING PLAN**  
A103 SCALE: 1/8" = 1'-0"



**REFLECTED CEILING PLAN**

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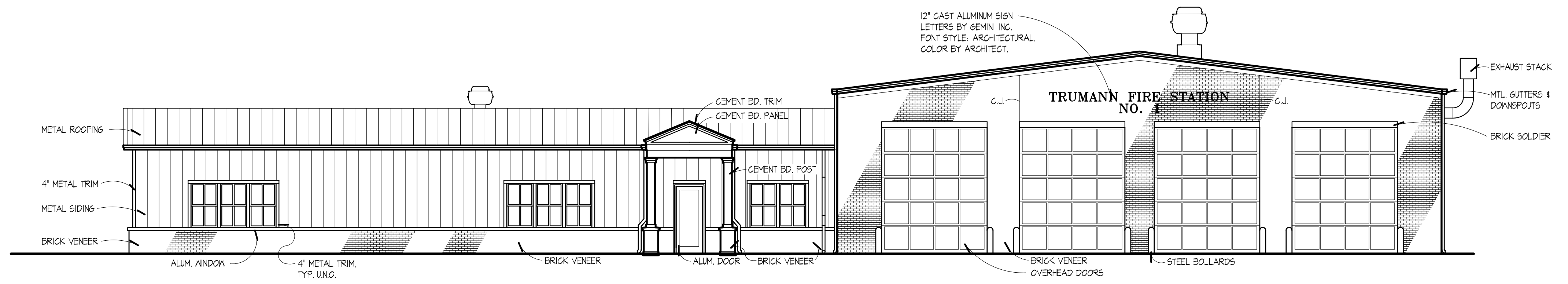
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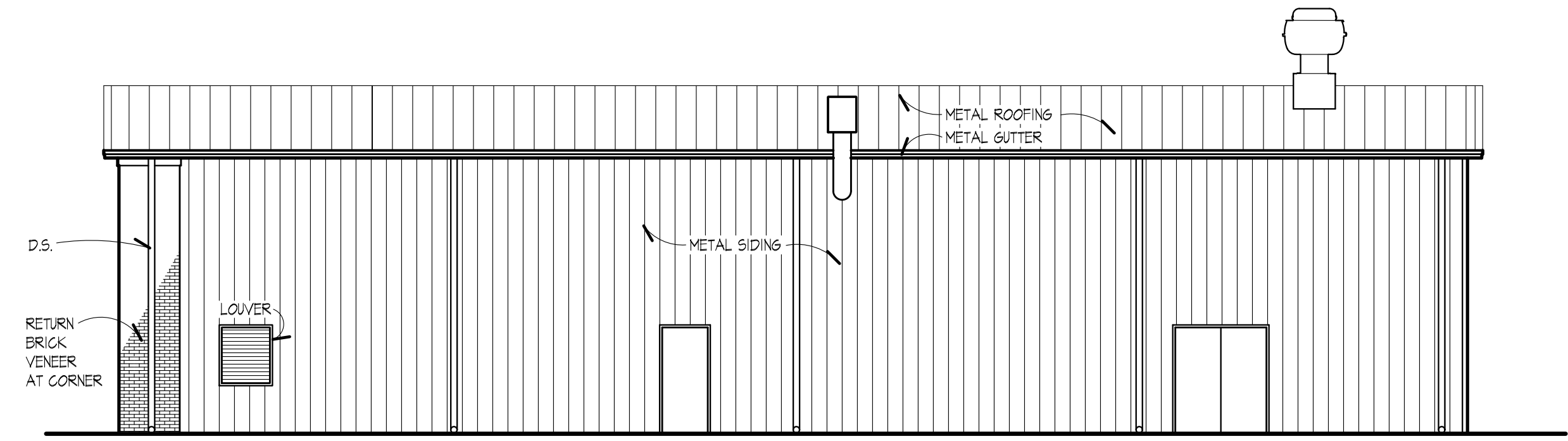
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**A103**

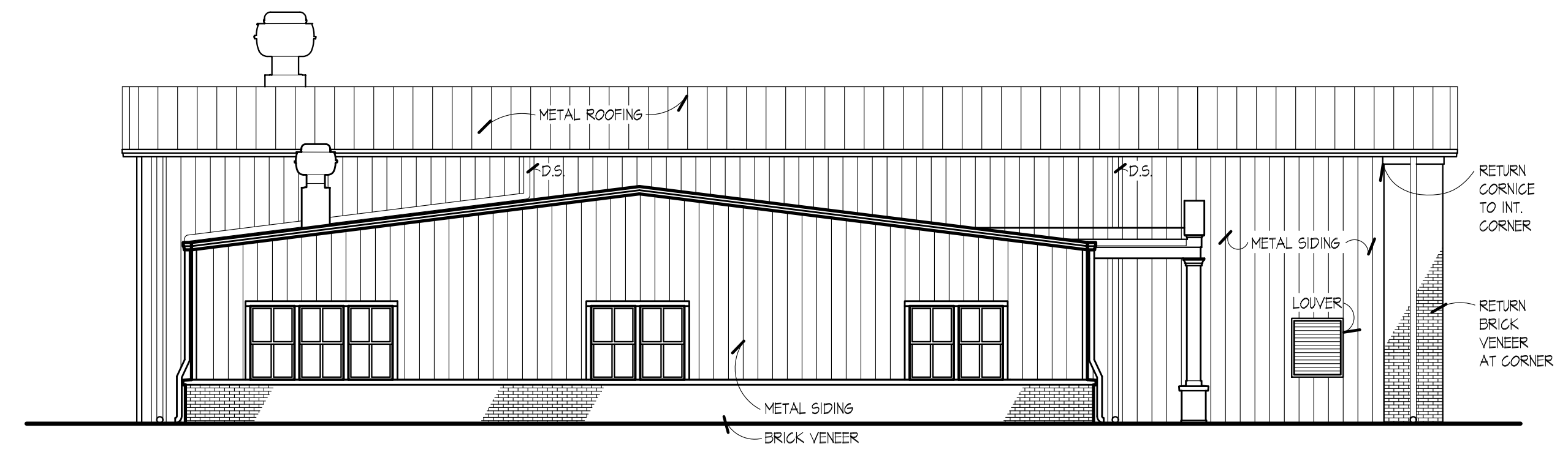




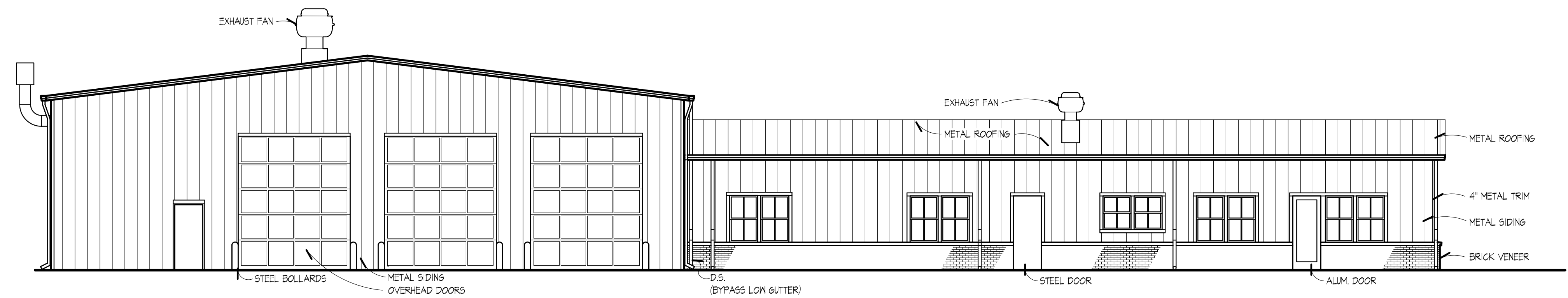
**1 NORTH ELEVATION**  
A201 SCALE: 1/8" = 1'-0"



**2 WEST ELEVATION**  
A201 SCALE: 1/8" = 1'-0"

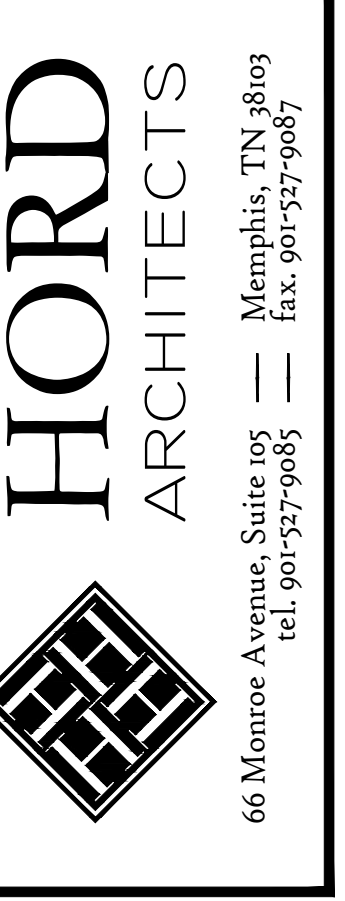
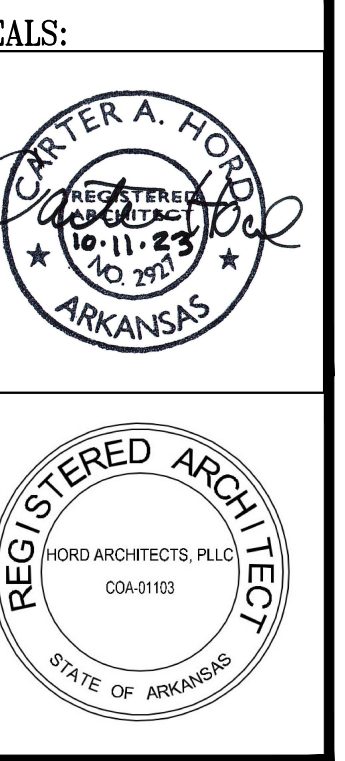


**3 EAST ELEVATION**  
A201 SCALE: 1/8" = 1'-0"



**4 SOUTH ELEVATION**  
A201 SCALE: 1/8" = 1'-0"

NOTE: NO METAL BUILDING CO. SIGNAGE IS ALLOWED ON EXTERIOR.



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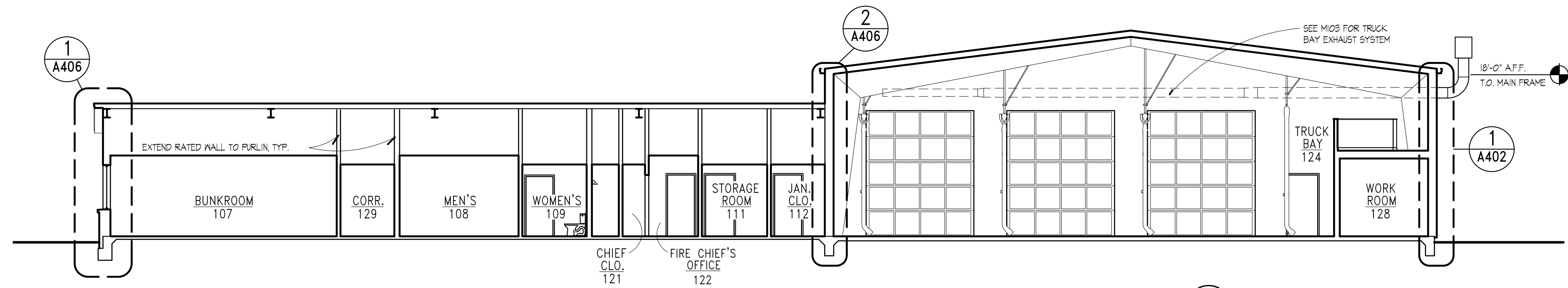
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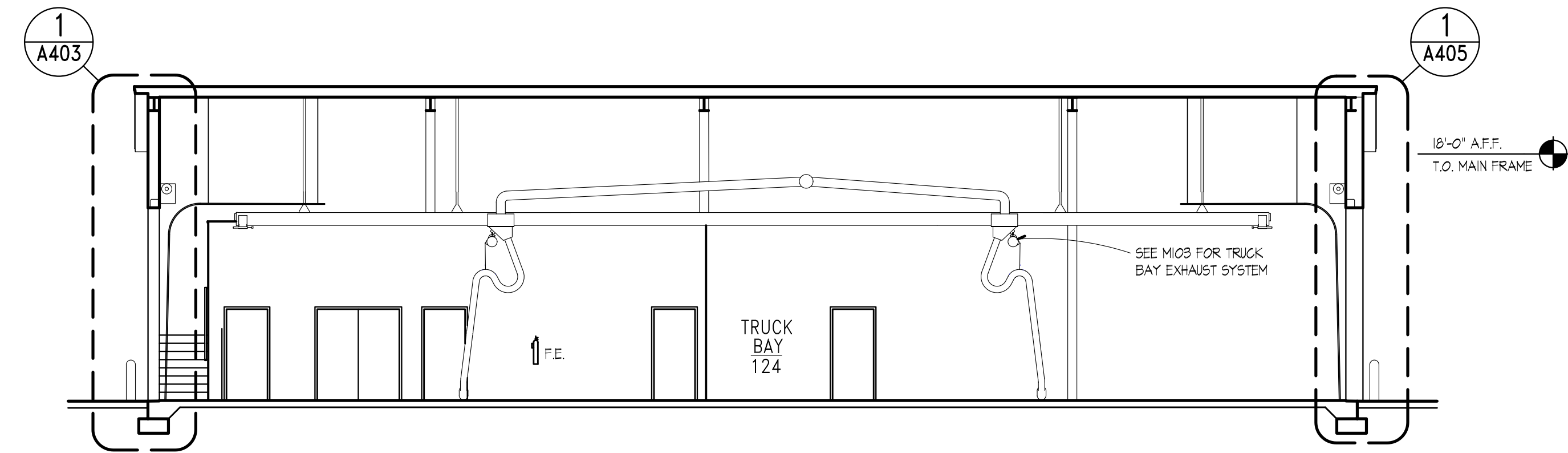
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**ELEVATIONS**

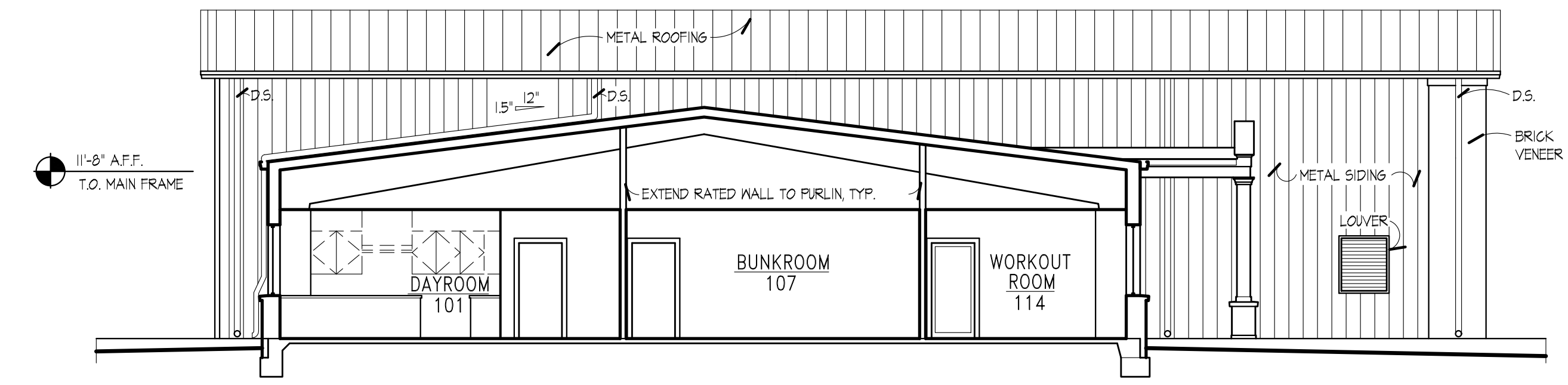




**1 BUILDING SECTION**  
A301 SCALE: 1/8" = 1'-0"



**2 BUILDING SECTION**  
A301 SCALE: 1/8" = 1'-0"



**3 BUILDING SECTION**  
A301 SCALE: 1/8" = 1'-0"

SEALS:

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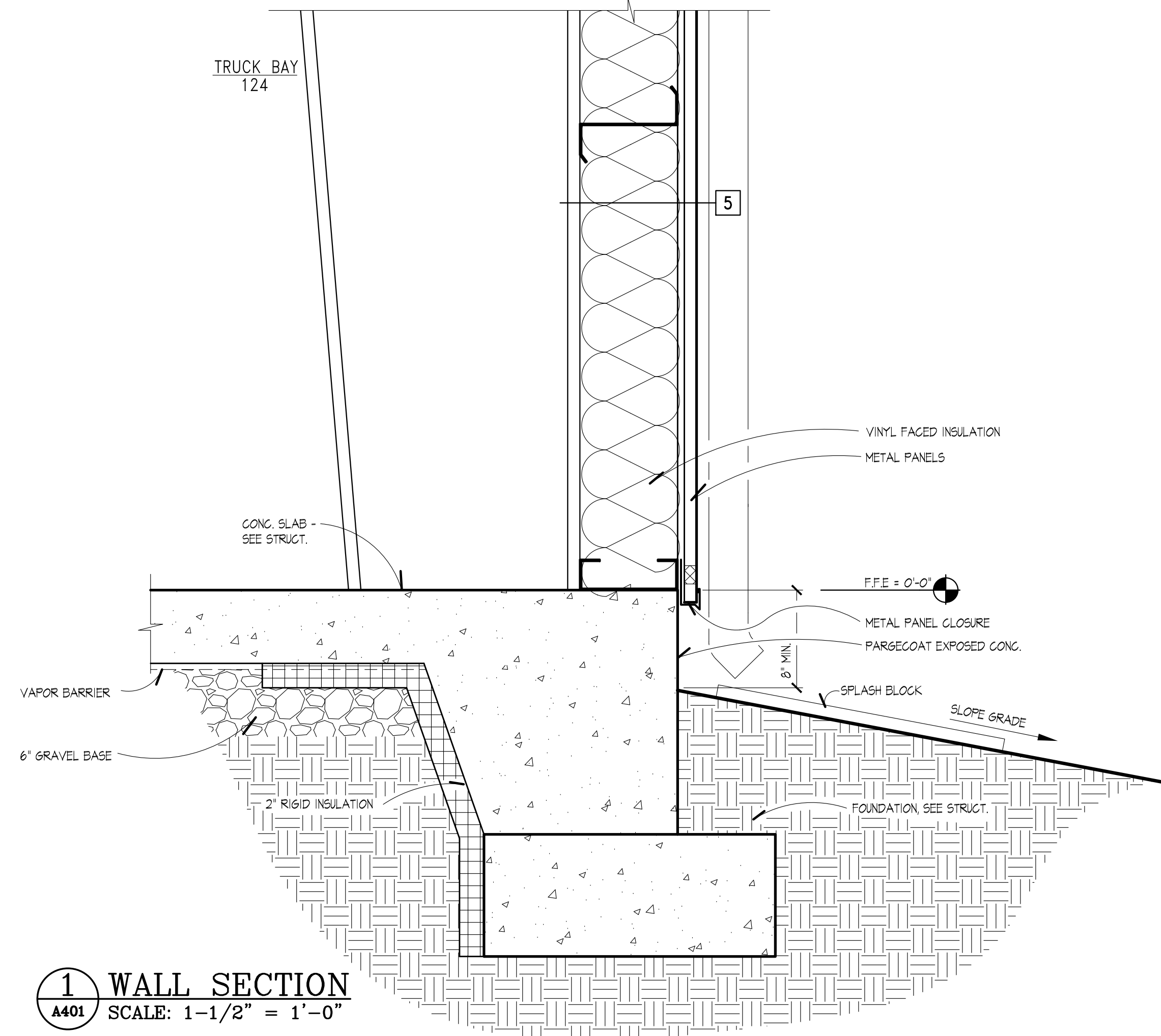
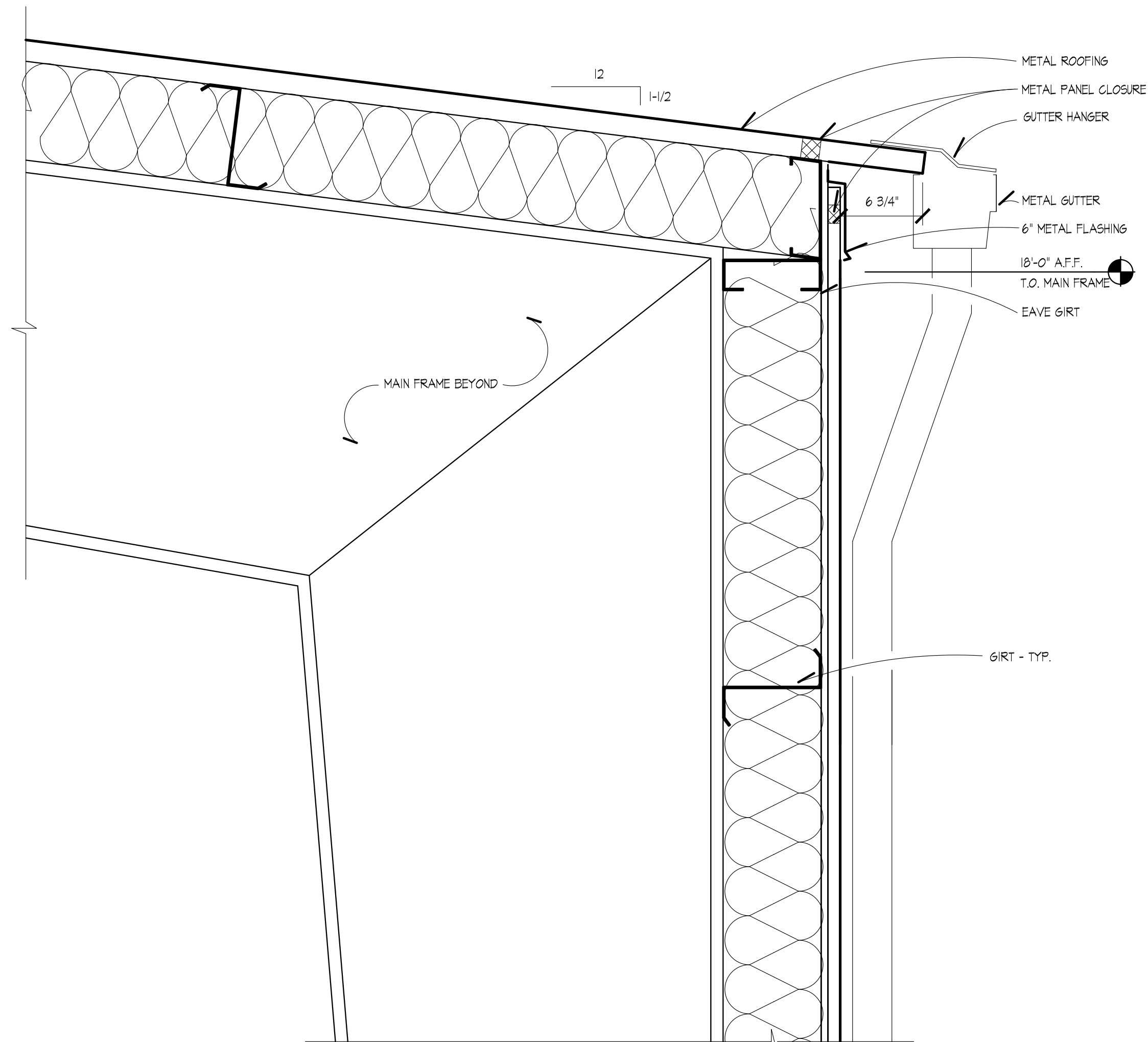
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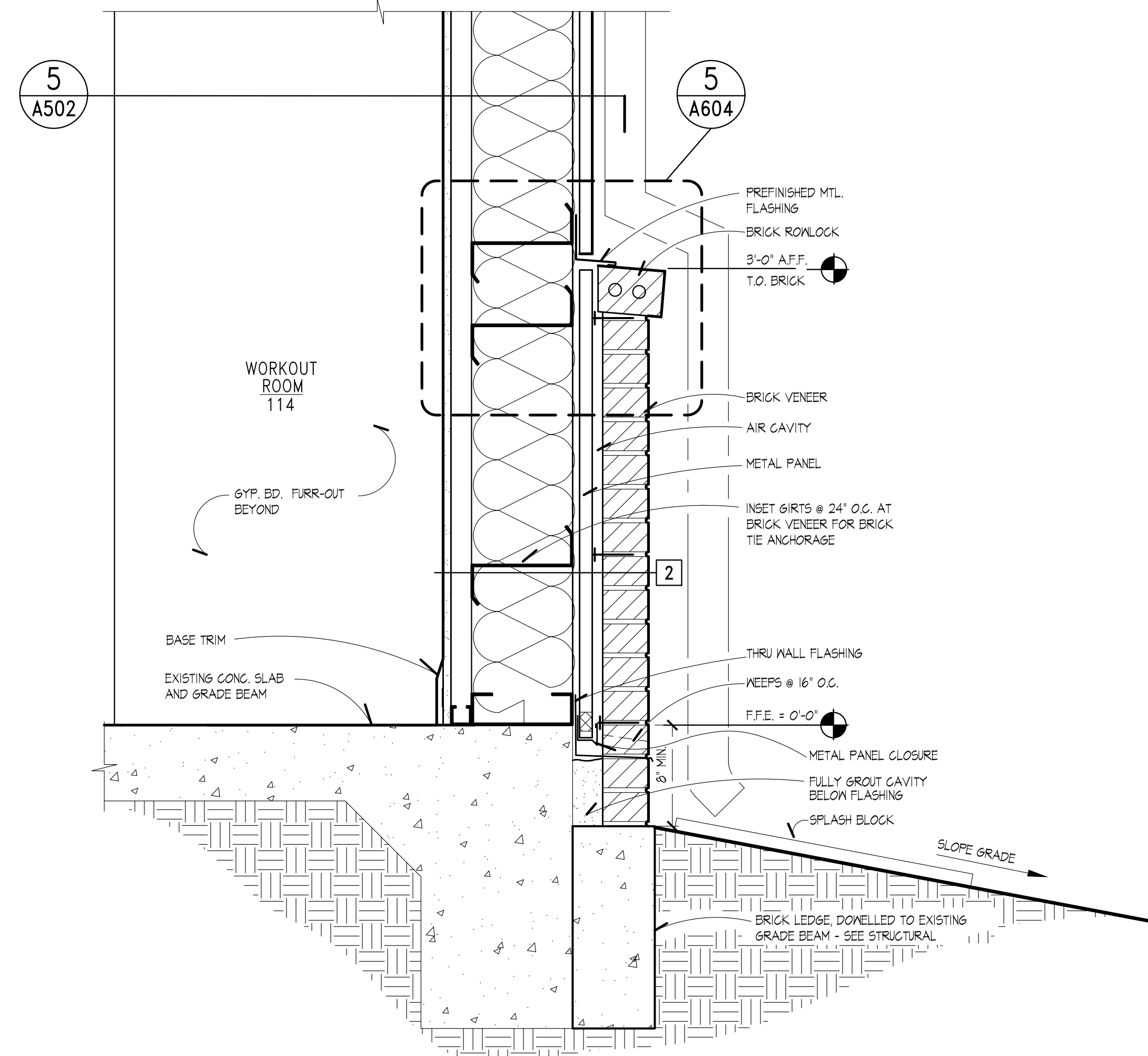
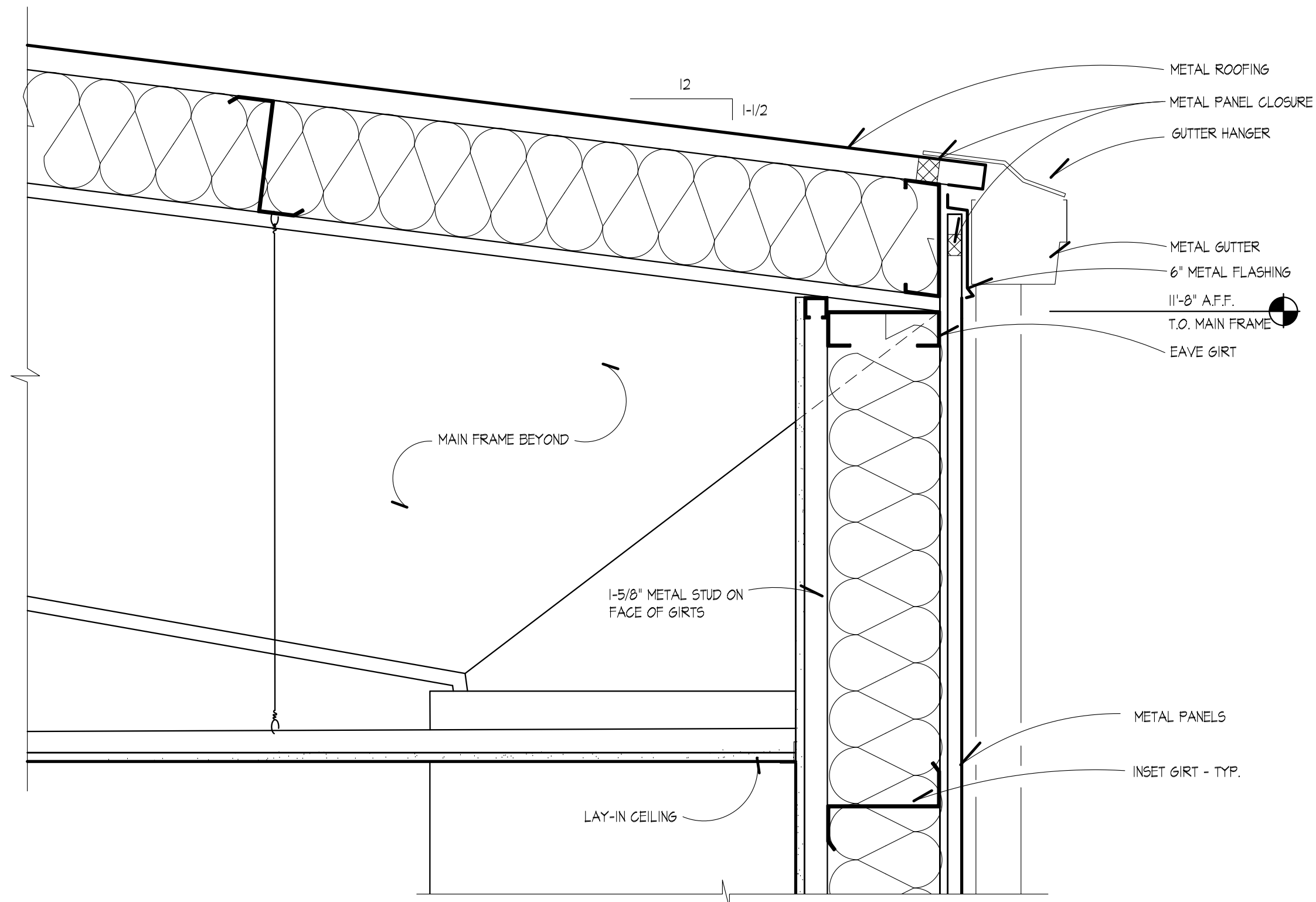
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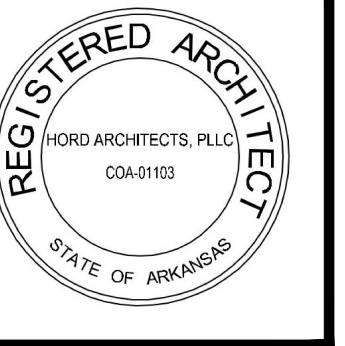
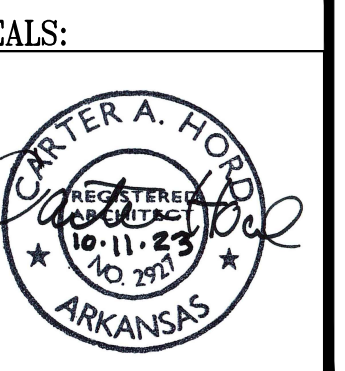


**1 WALL SECTION**  
A401 SCALE: 1-1/2" = 1'-0"



**2 WALL SECTION**  
A401 SCALE: 1-1/2" = 1'-0"

**WALL SECTIONS**



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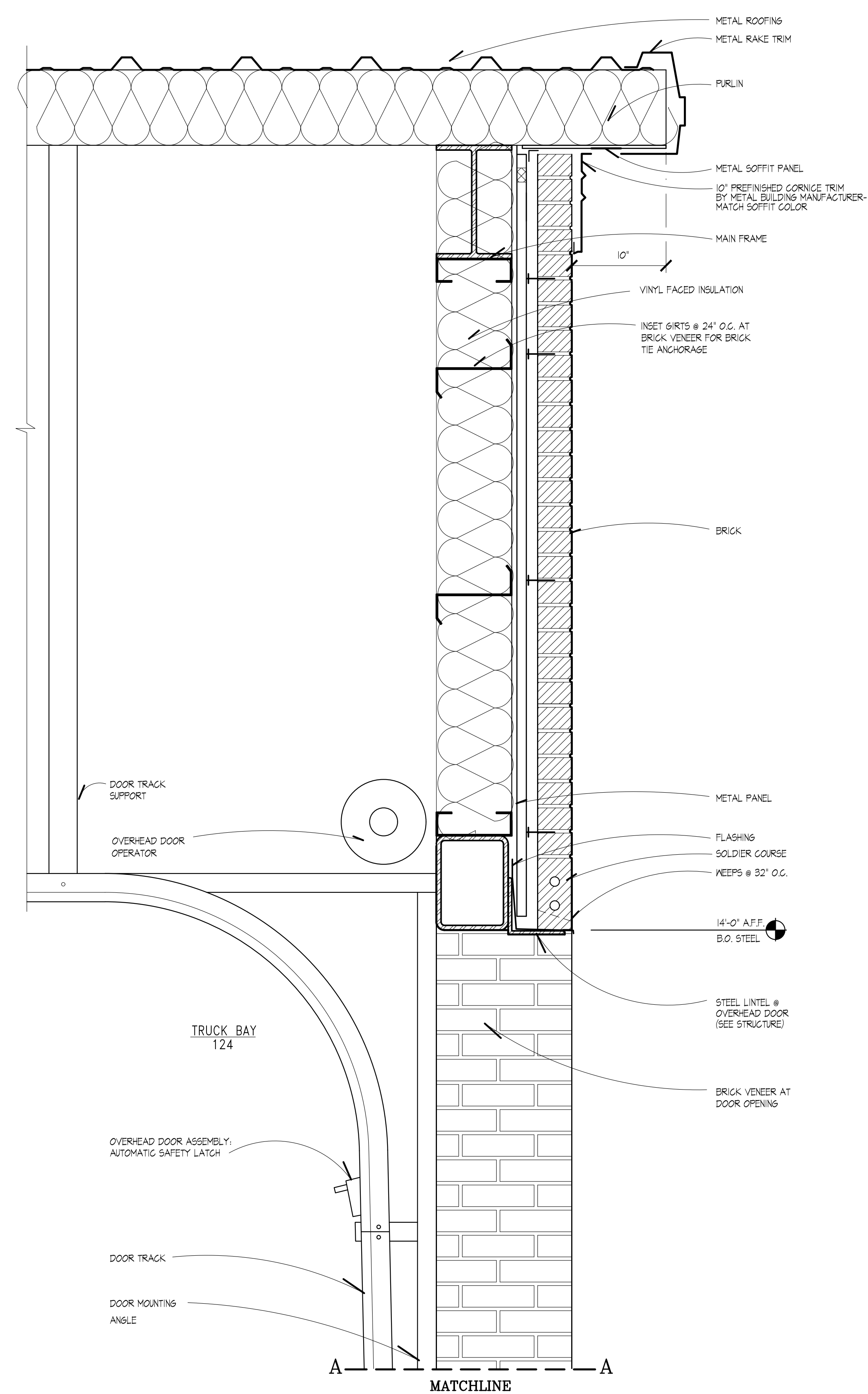
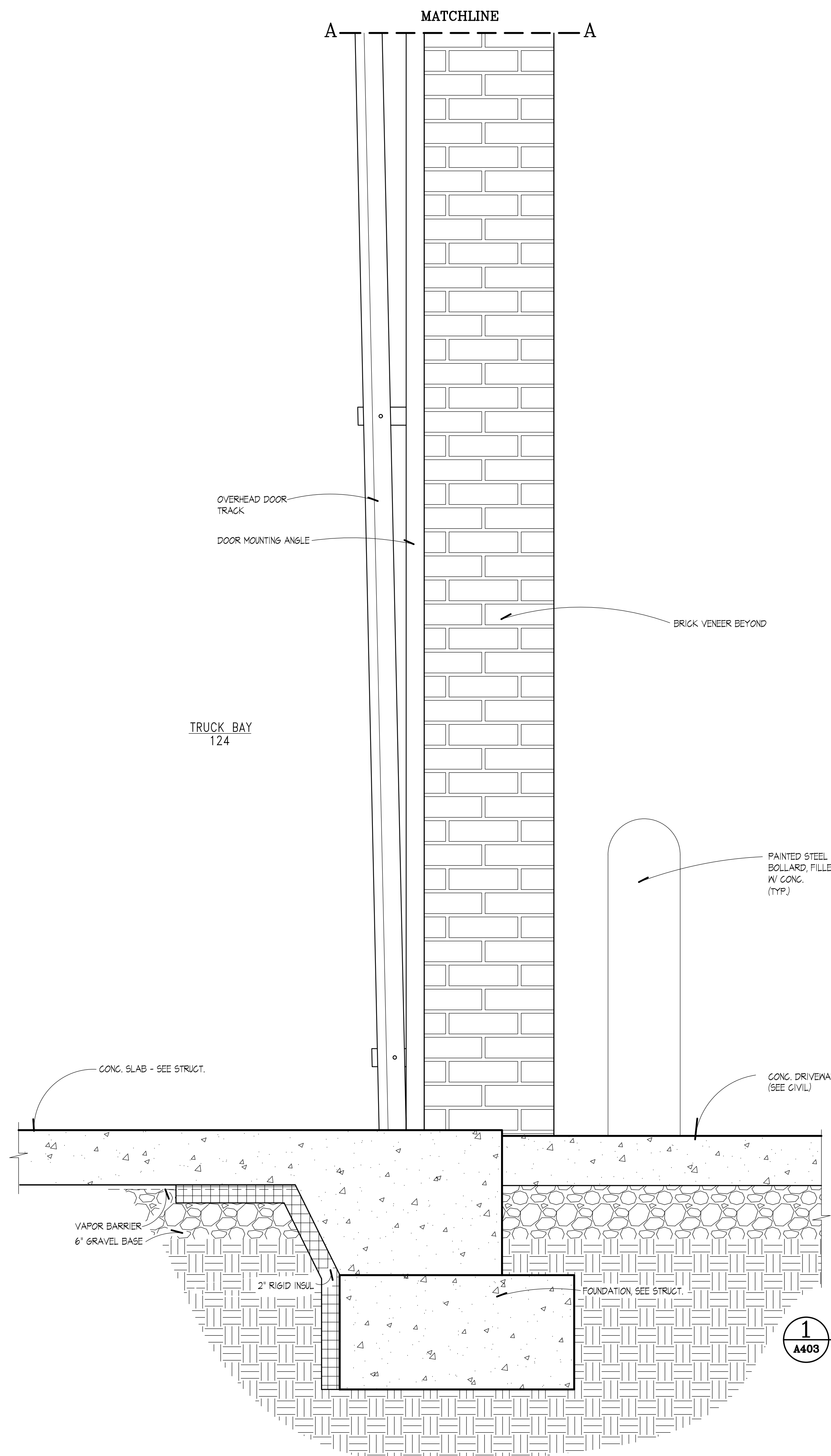
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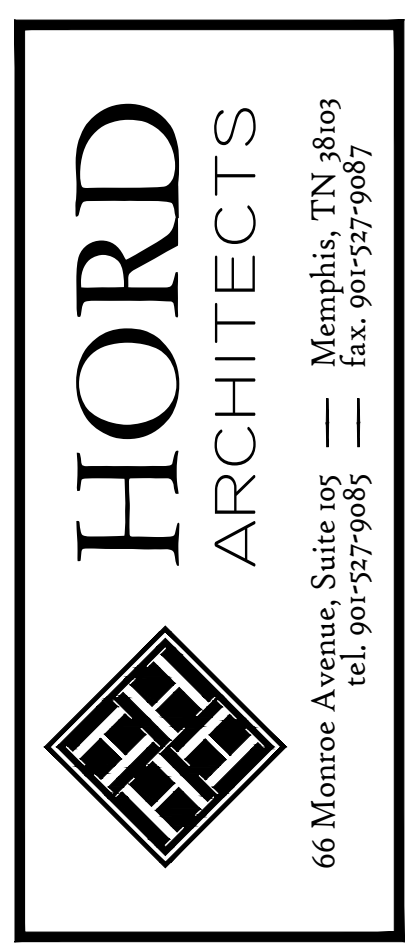
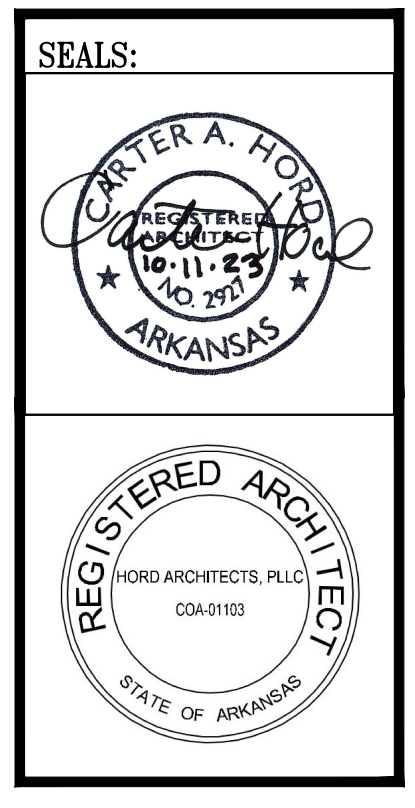
SHEET NO.:  
**A401**







**1** WALL SECTION  
 A403 SCALE: 1-1/2" = 1'-0"

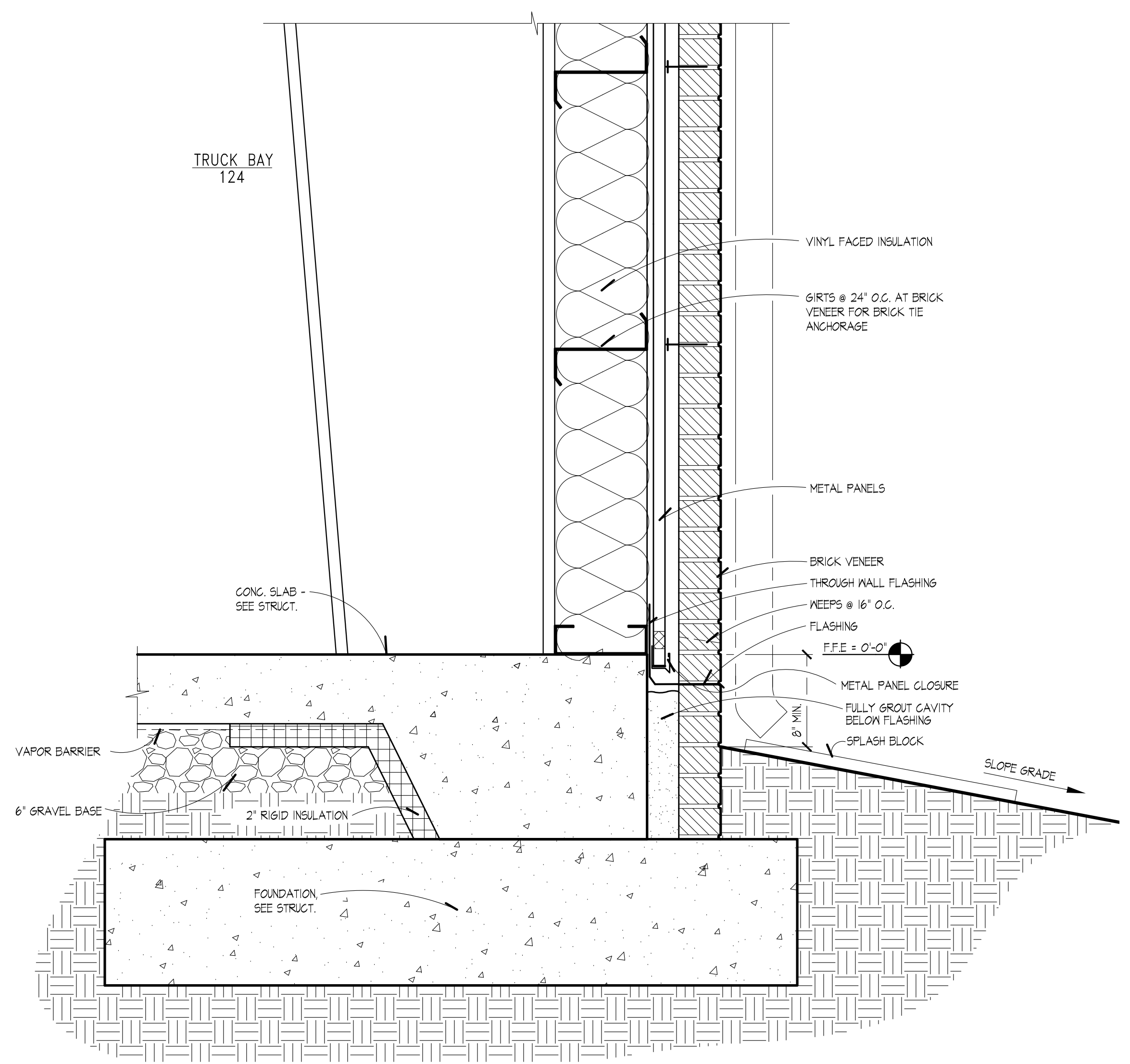
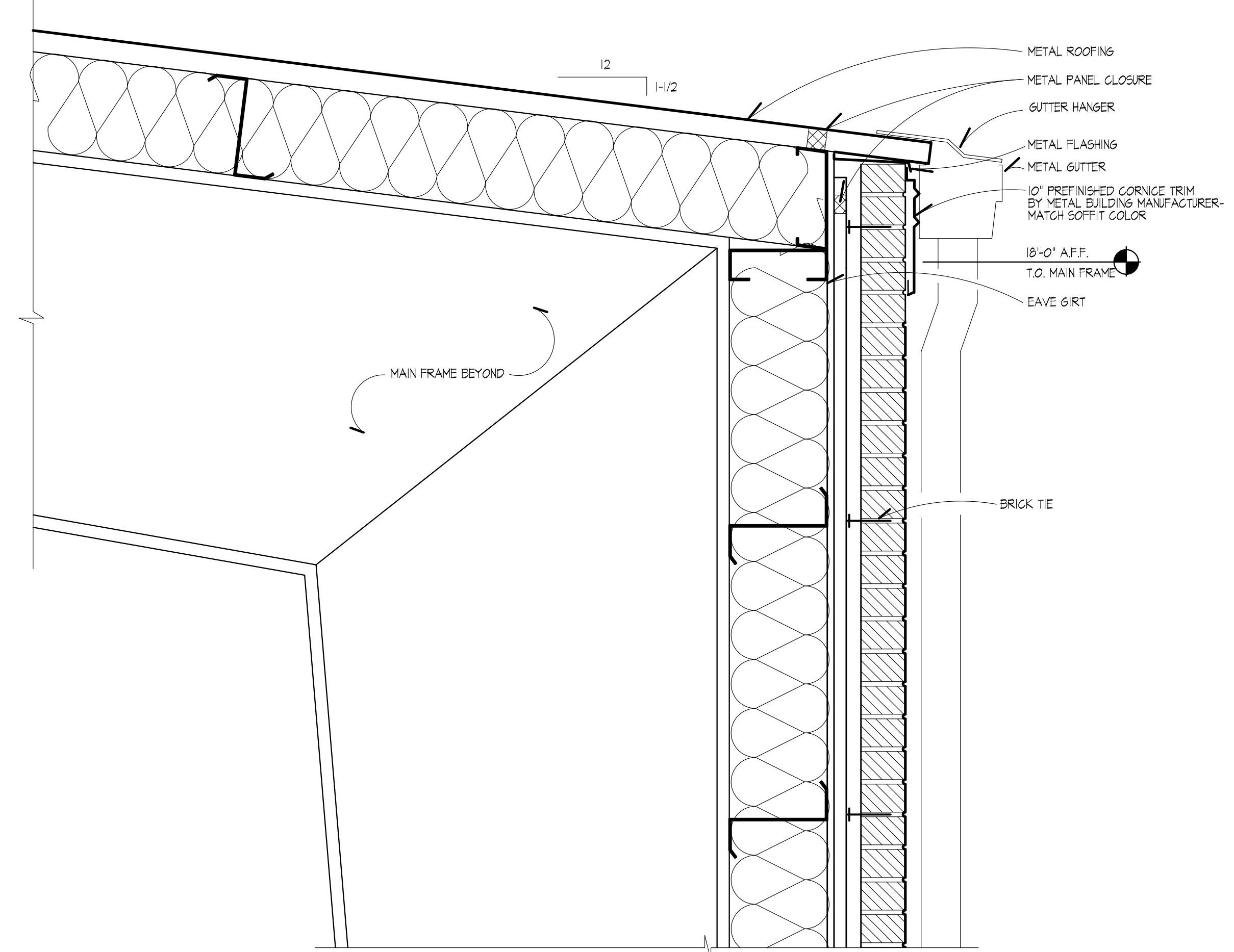


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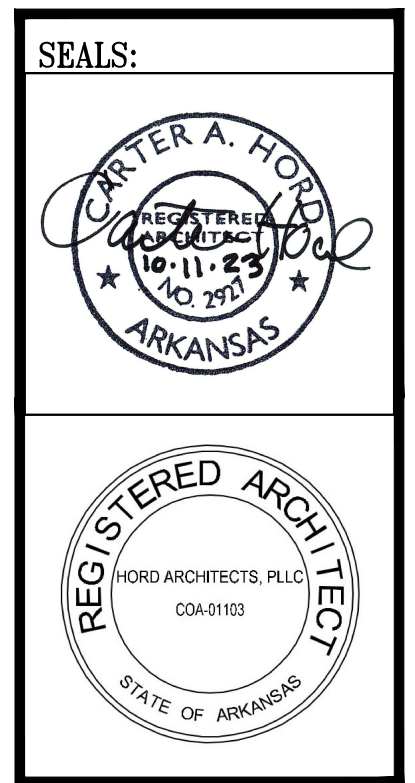
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**1 WALL SECTION**  
**A404** SCALE: 1-1/2" = 1'-0"



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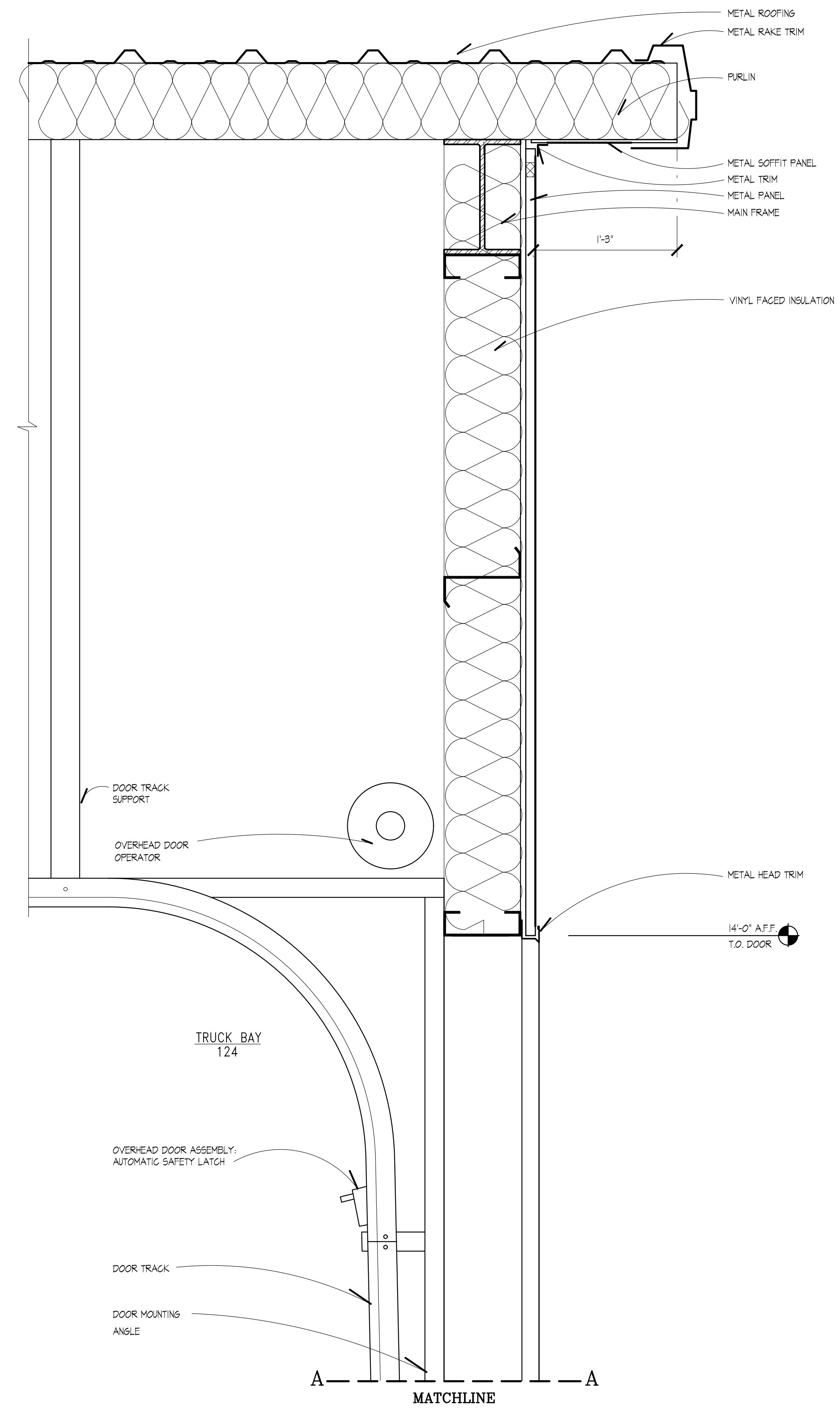
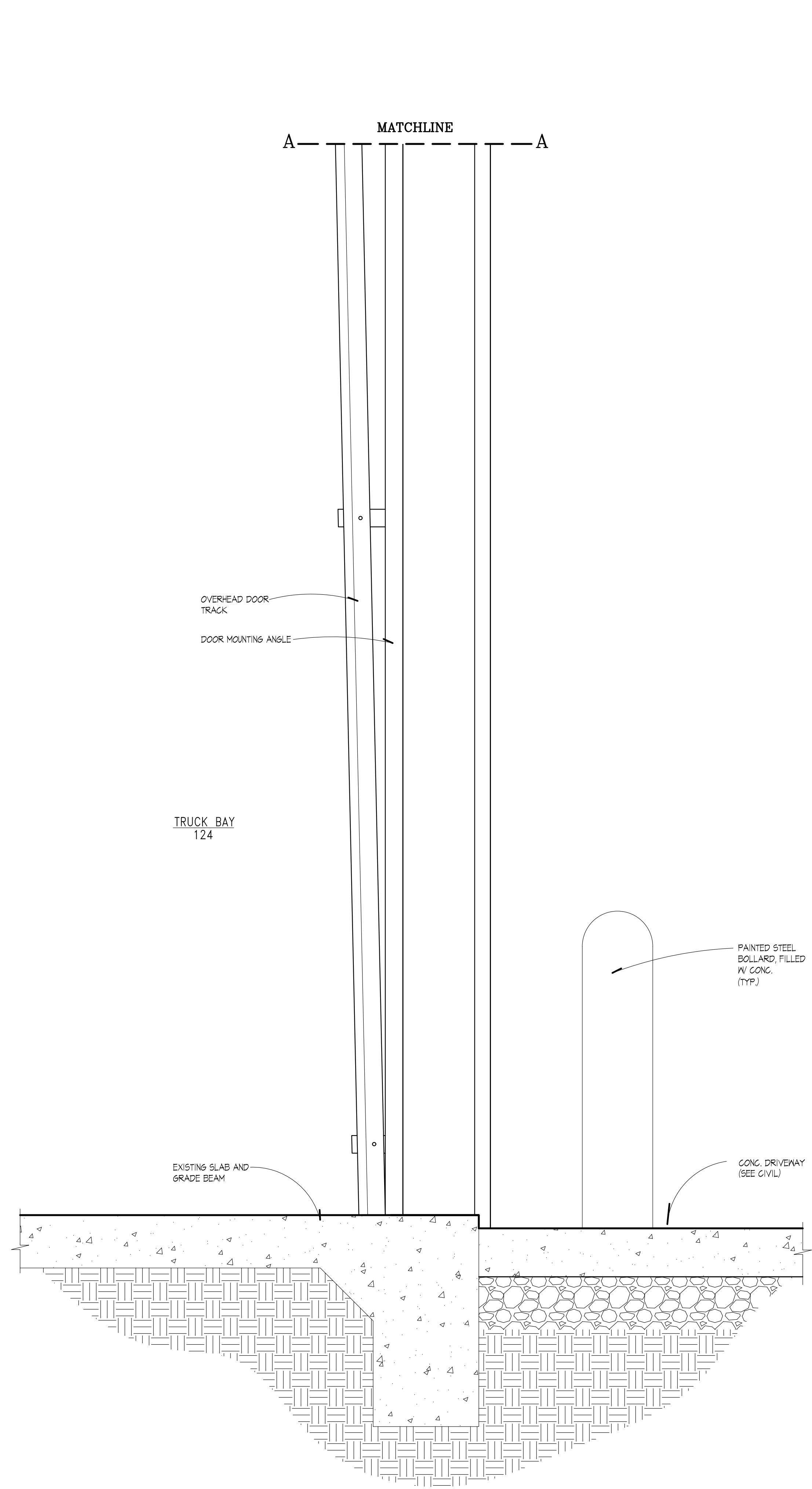
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**TRUMANN FIRE STATION**  
 801 WEST MAIN ST, TRUMANN, AR 72472

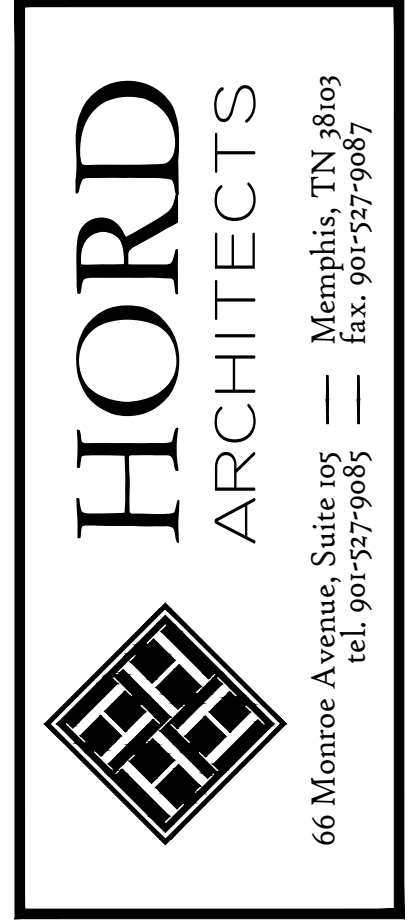
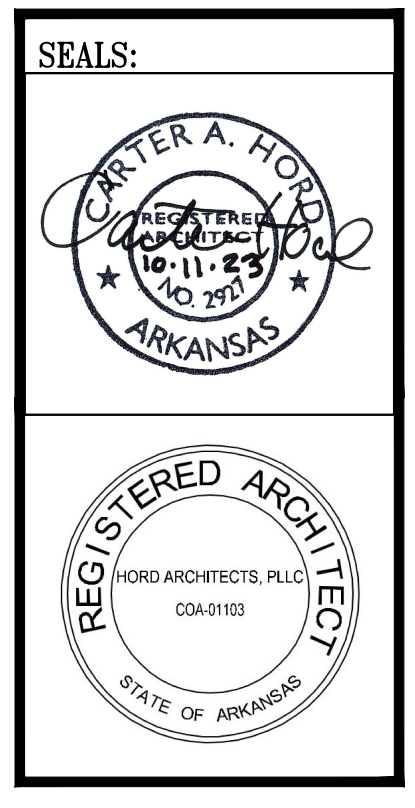
PROJECT NO.: 2023-02  
 DRAWN BY: EGI  
 CHECKED BY: CAH  
 DATE: 10-11-2023  
 REVISIONS:

SHEET NO.:  
**A404**





**1** WALL SECTION  
 A405 SCALE: 1-1/2" = 1'-0"

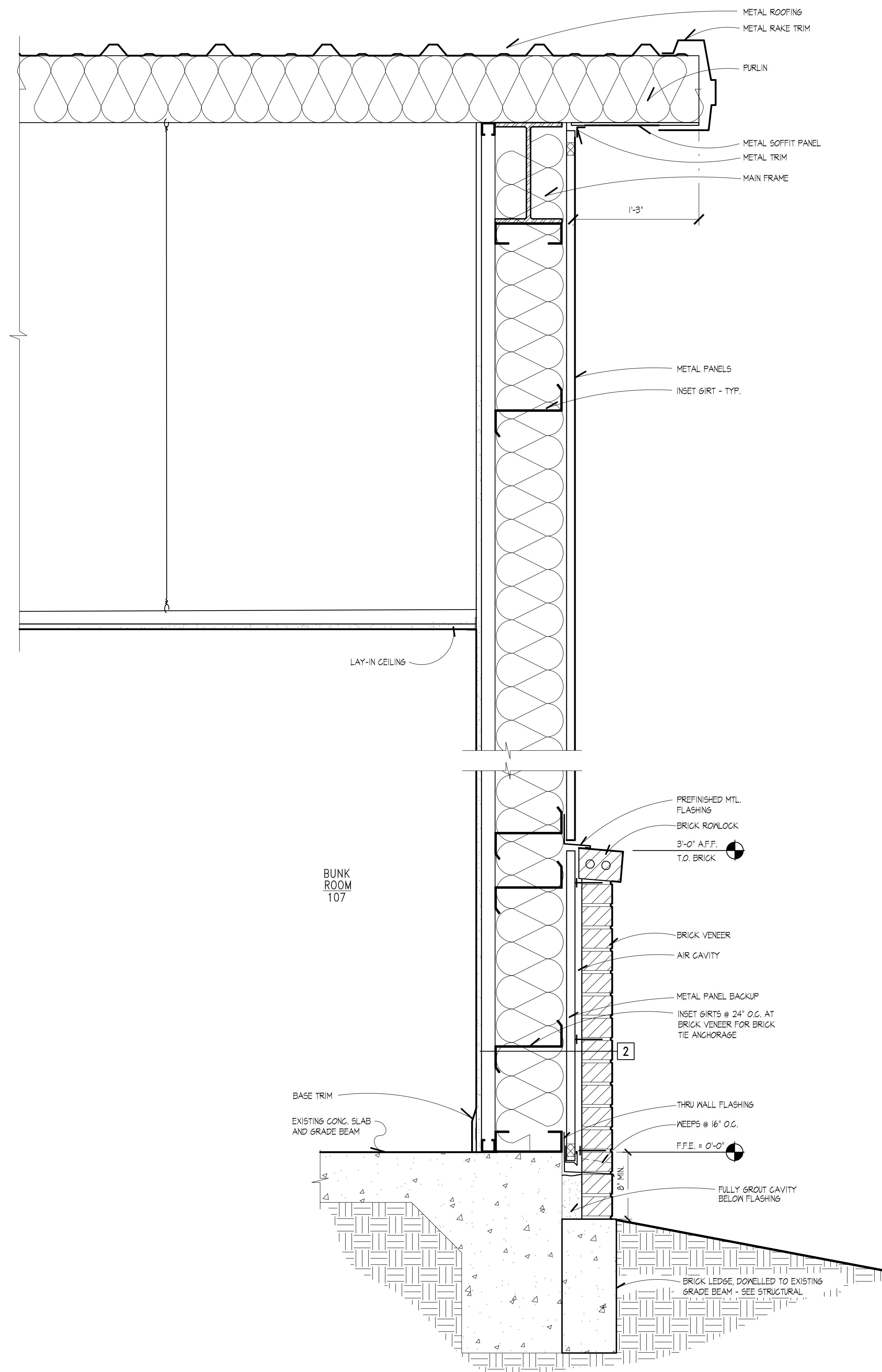


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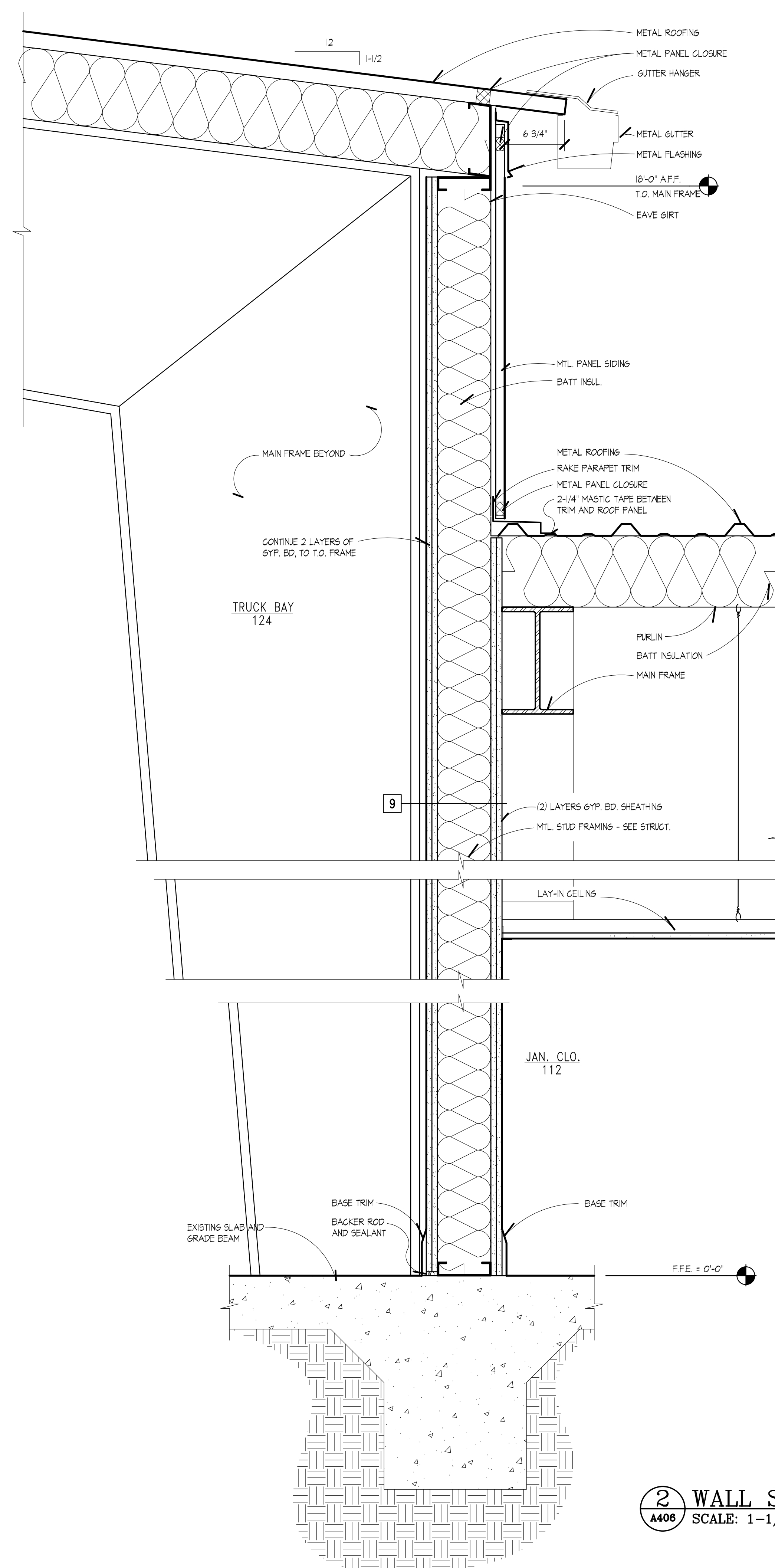
PROPOSED:  
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 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
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 REVISIONS:

SHEET NO.:  
**A405**

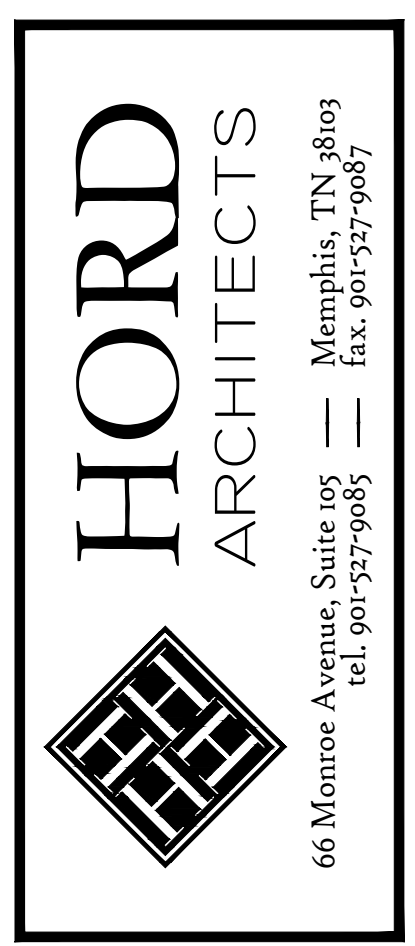
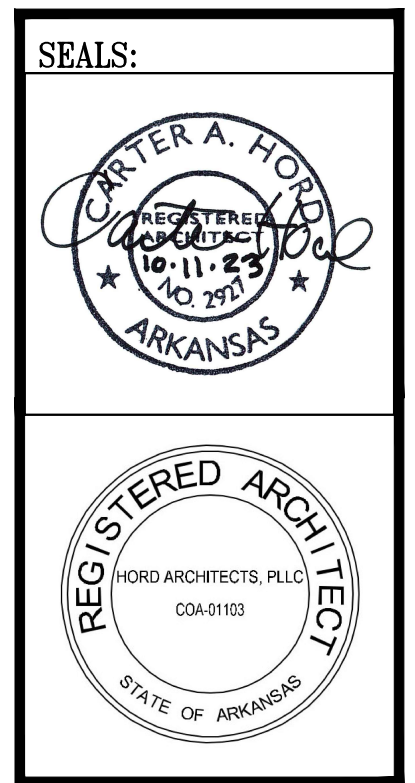


**1** WALL SECTION  
 A406 SCALE: 1-1/2" = 1'-0"



**2** WALL SECTION  
 A406 SCALE: 1-1/2" = 1'-0"

WALL SECTIONS



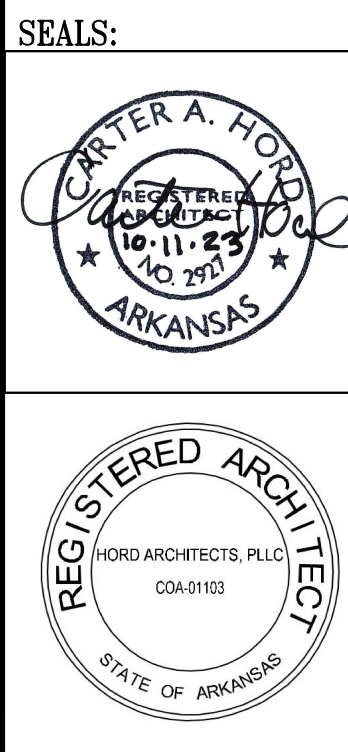
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PROJECT NO.: 2023-02  
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 REVISIONS:

SHEET NO.:  
**A406**





**HORD ARCHITECTS**  
 66 Montree Avenue, Suite 105 — Memphis, TN 38103  
 tel. 901-527-9085 fax. 901-527-9087

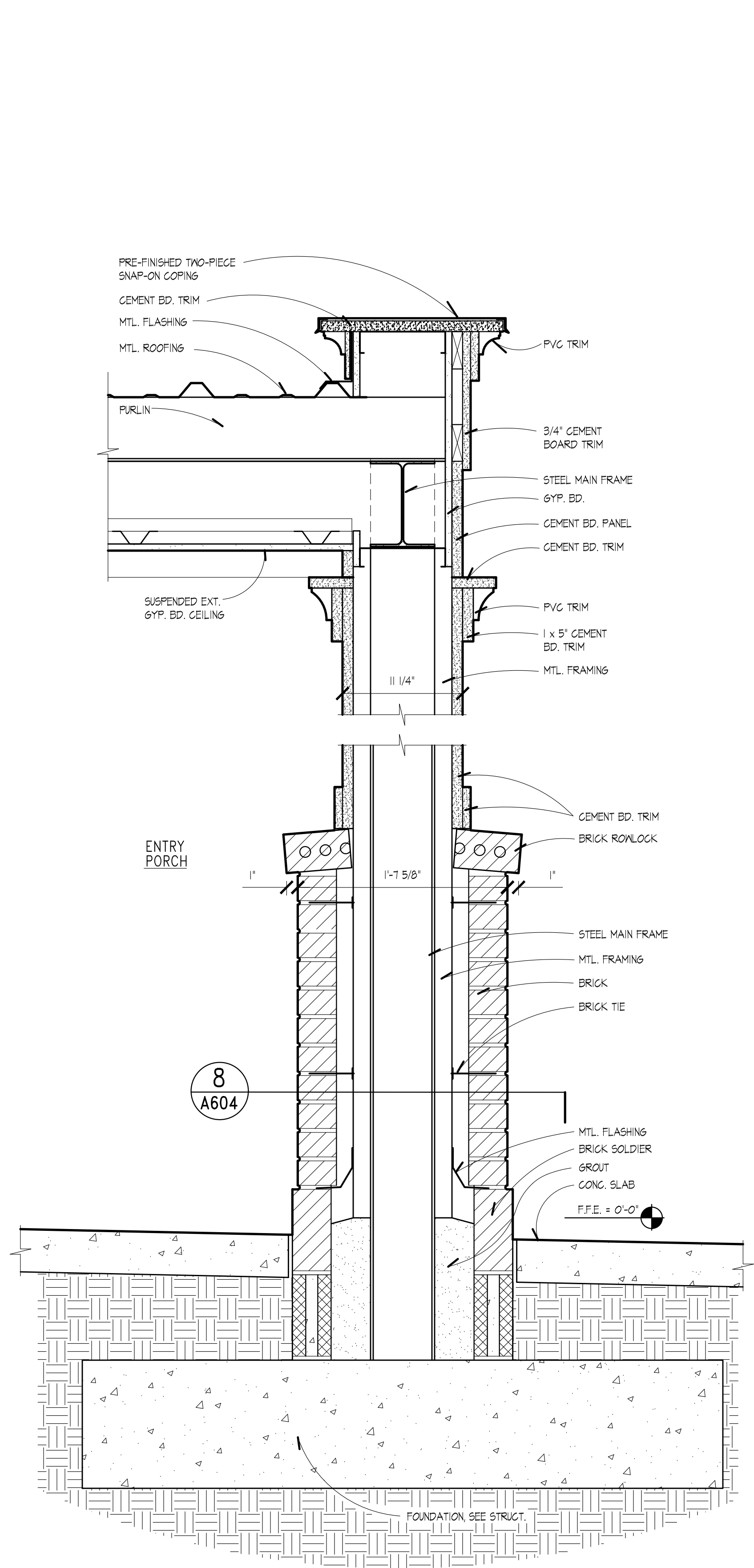
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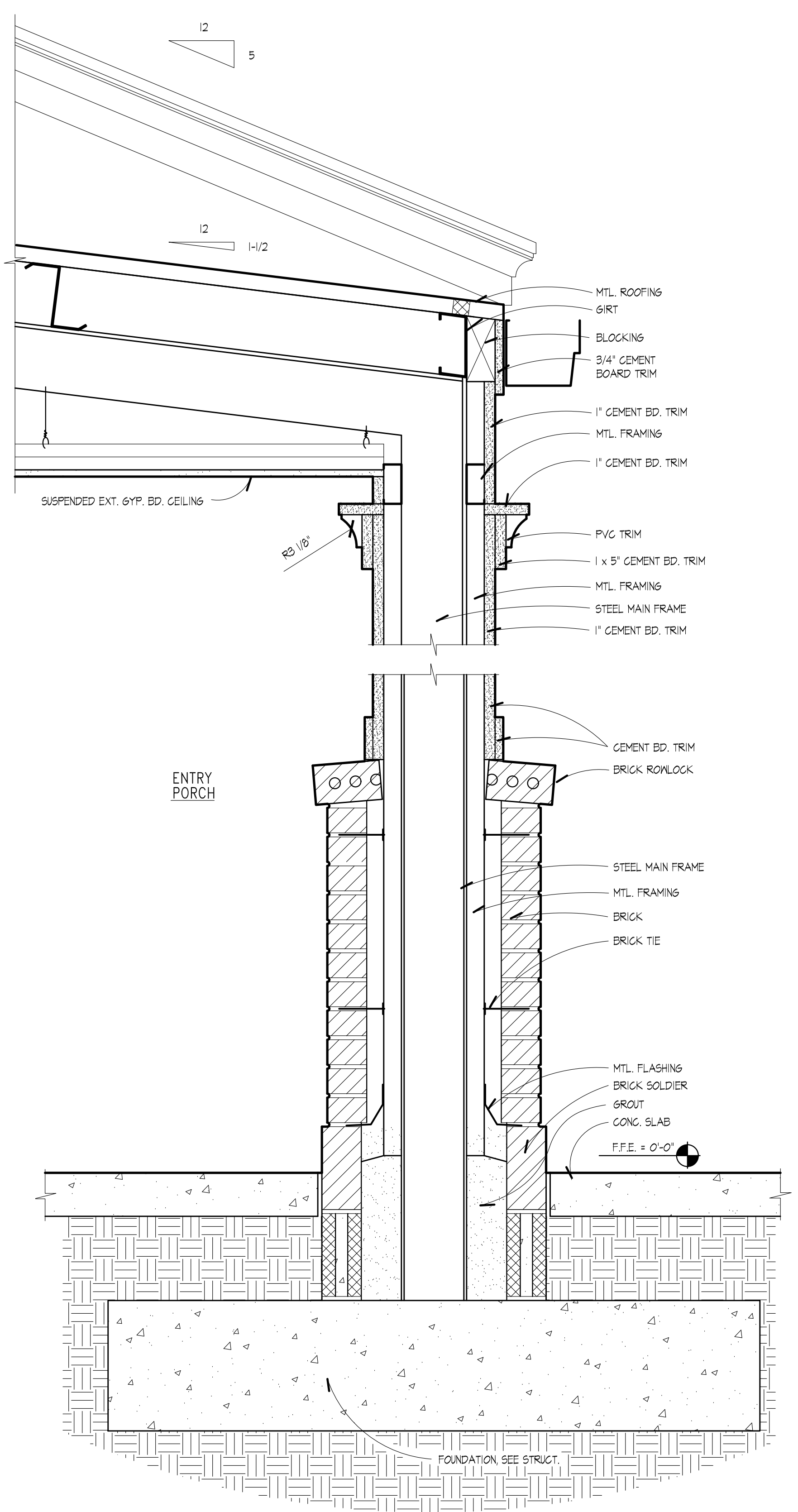
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 REVISIONS:

SHEET NO.:

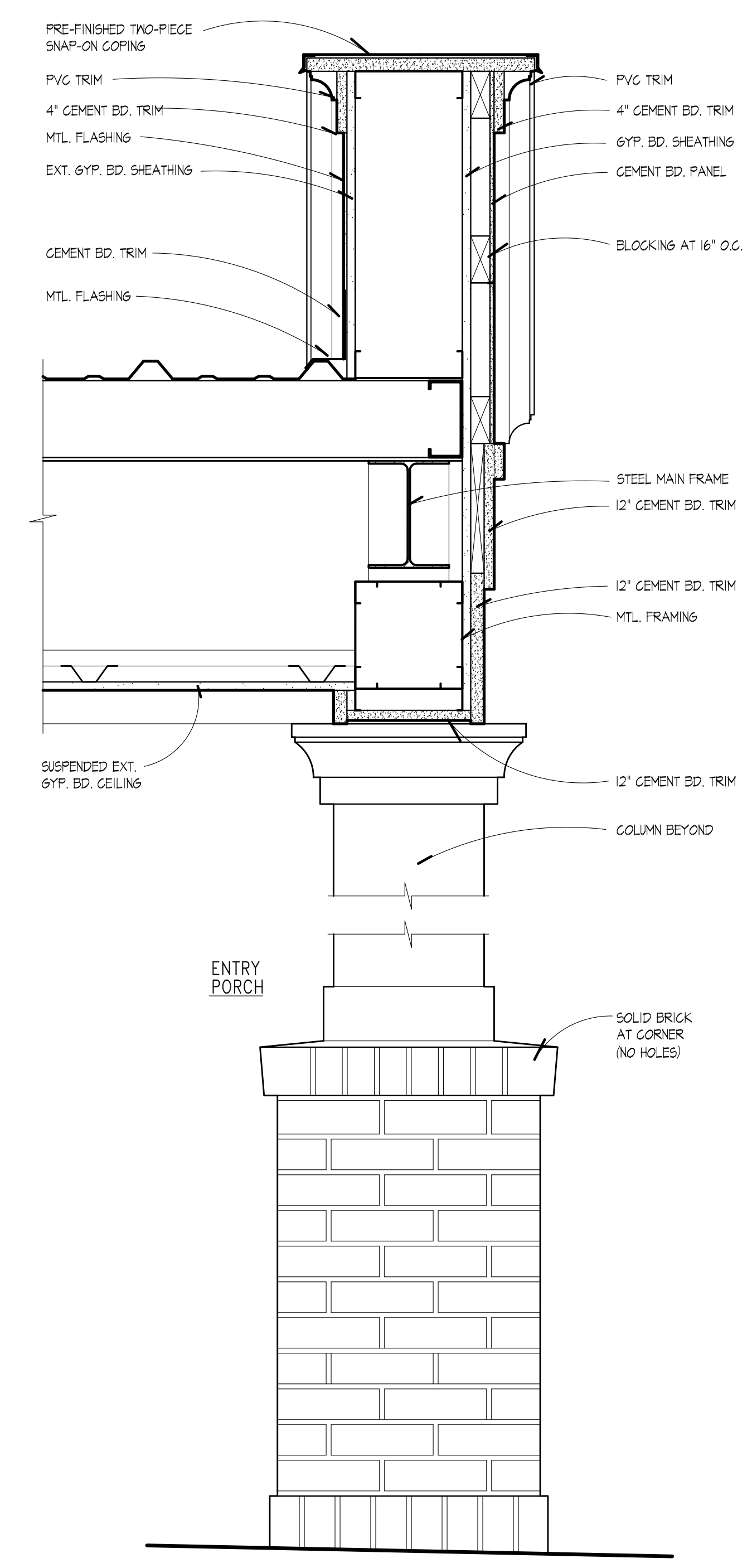
**A407**



**2 WALL SECTION**  
 A407 SCALE: 1-1/2" = 1'-0"



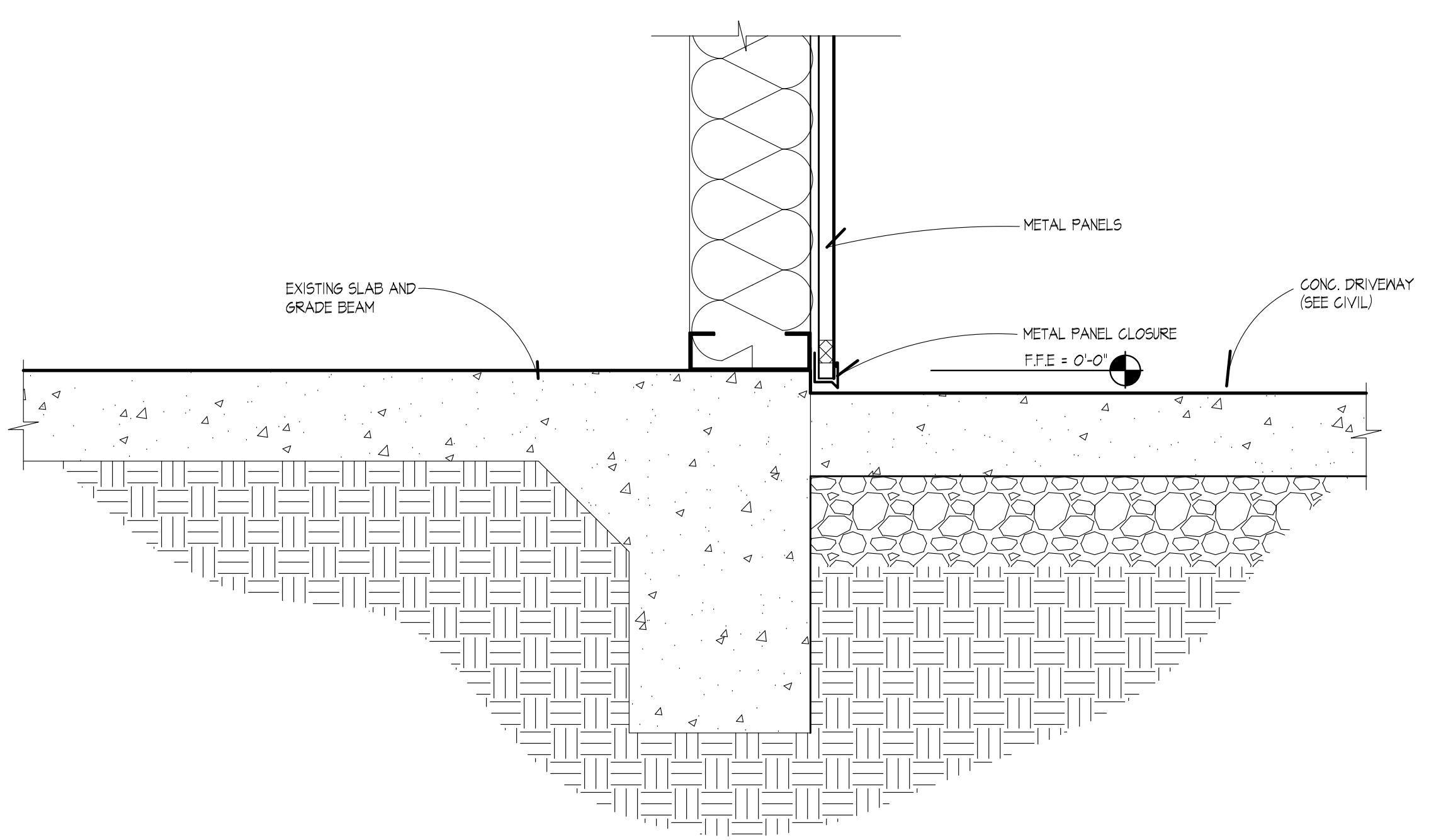
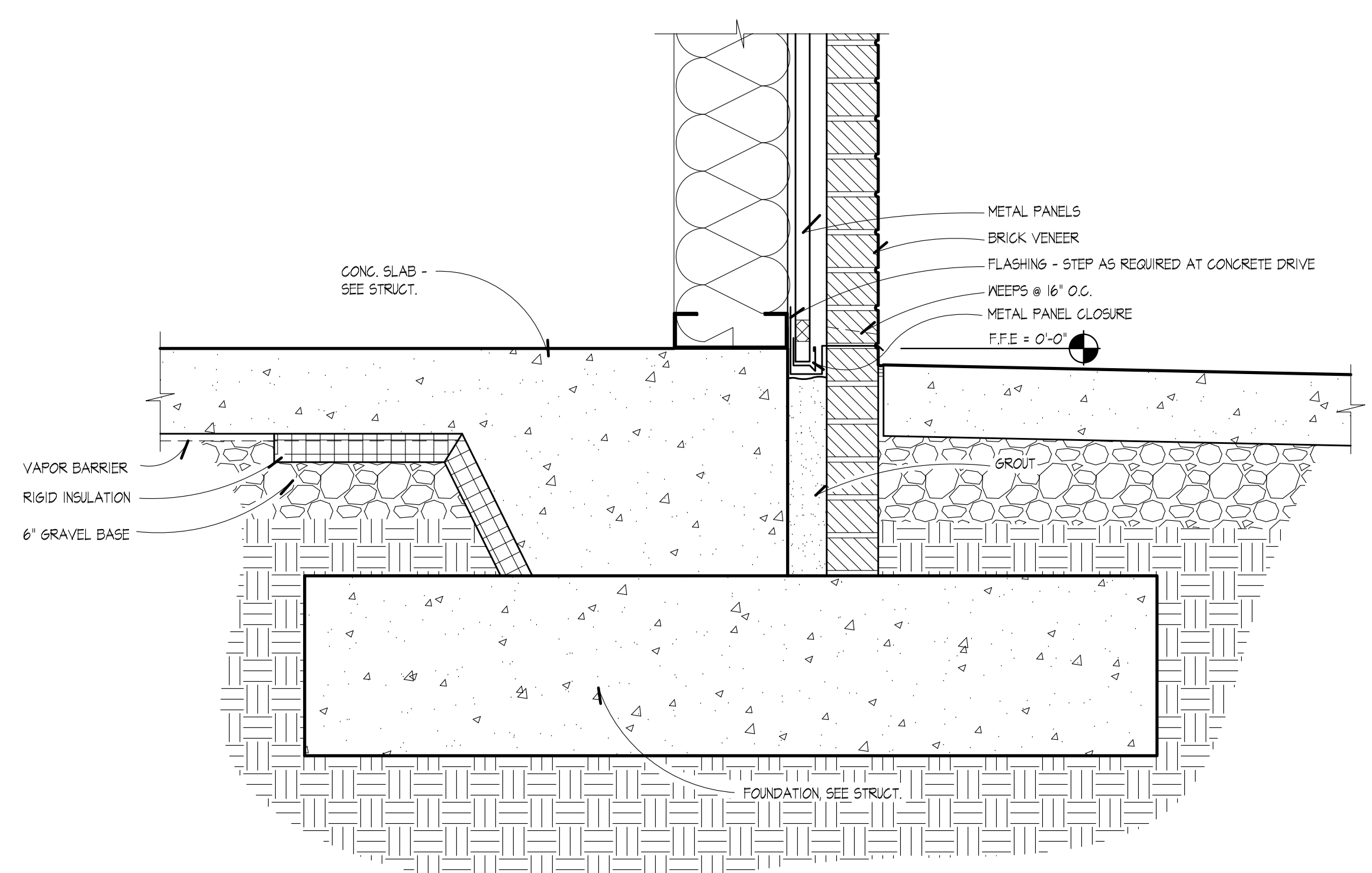
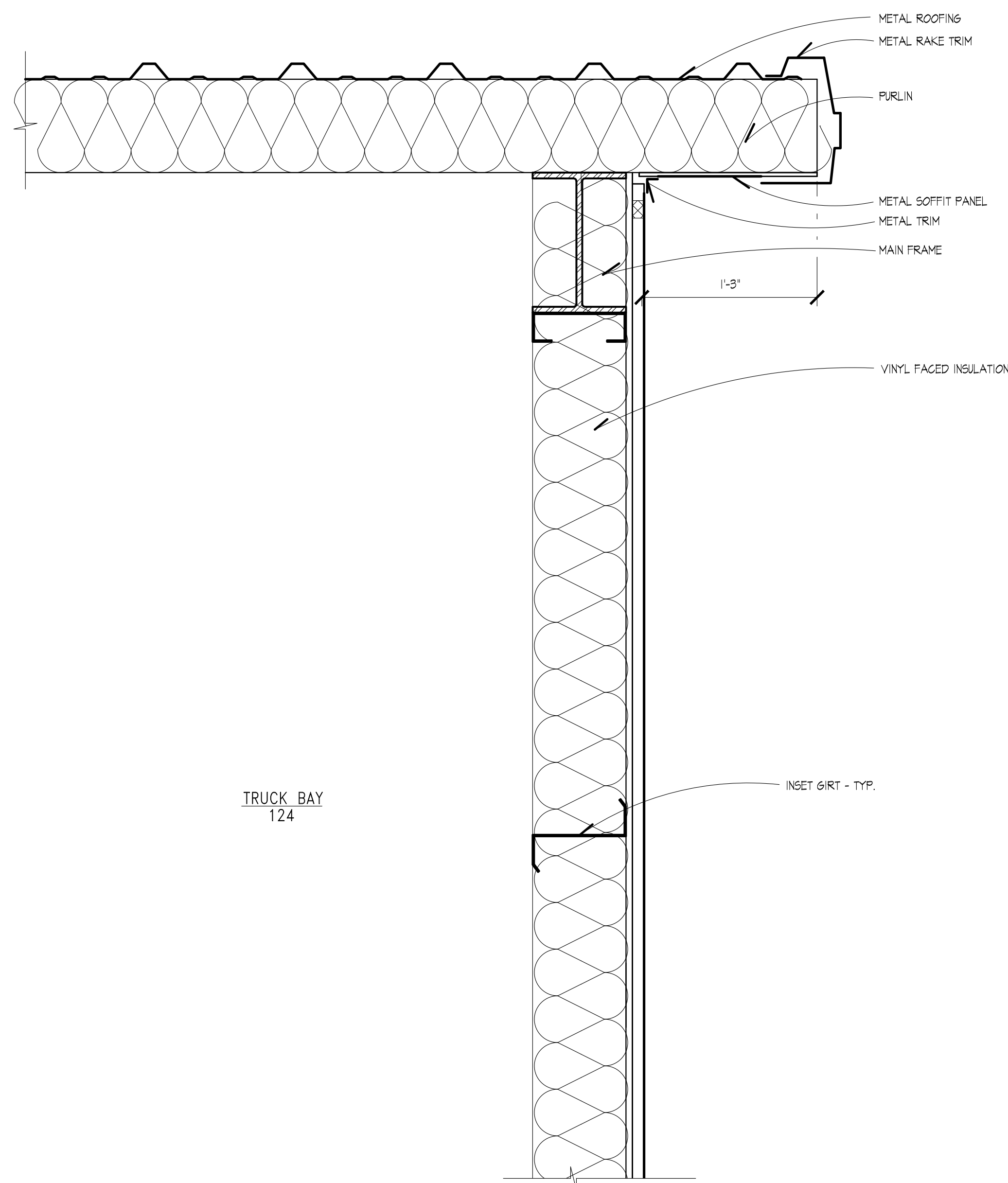
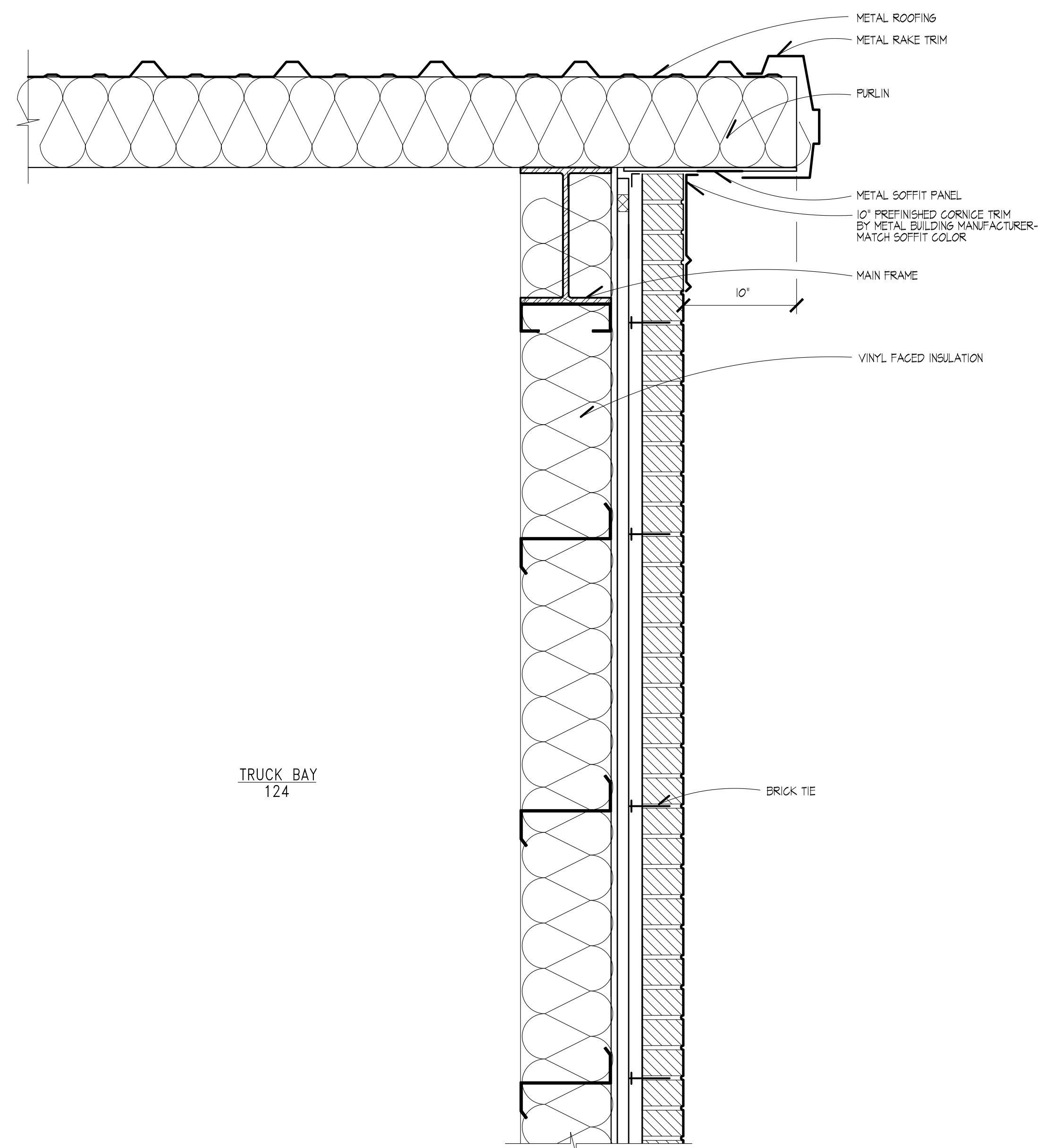
**3 WALL SECTION**  
 A407 SCALE: 1-1/2" = 1'-0"



**4 WALL SECTION**  
 A407 SCALE: 1-1/2" = 1'-0"

**1 NOT USED**  
 A407

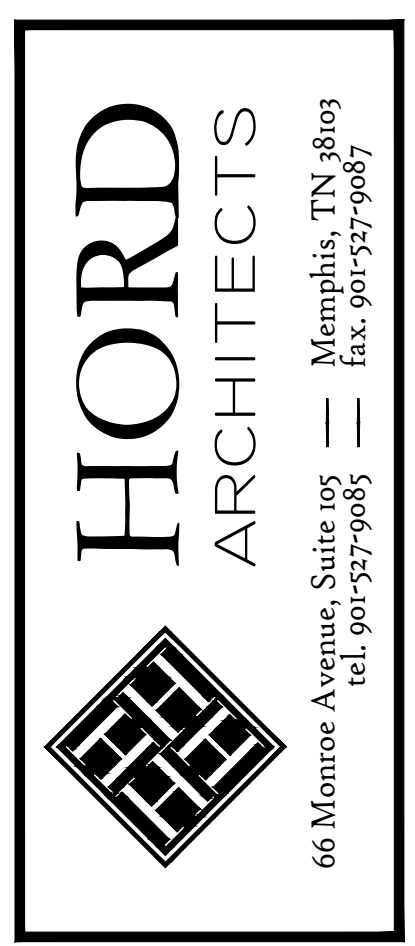
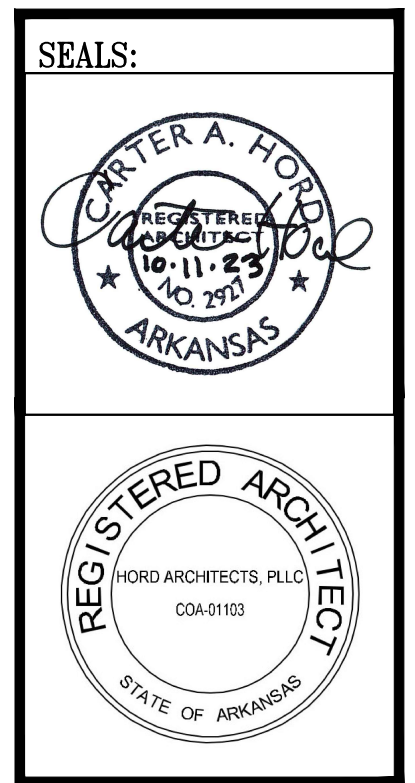
**WALL SECTIONS**



**1 WALL SECTION**  
A408 SCALE: 1-1/2" = 1'-0"

**2 WALL SECTION**  
A408 SCALE: 1-1/2" = 1'-0"

WALL SECTIONS



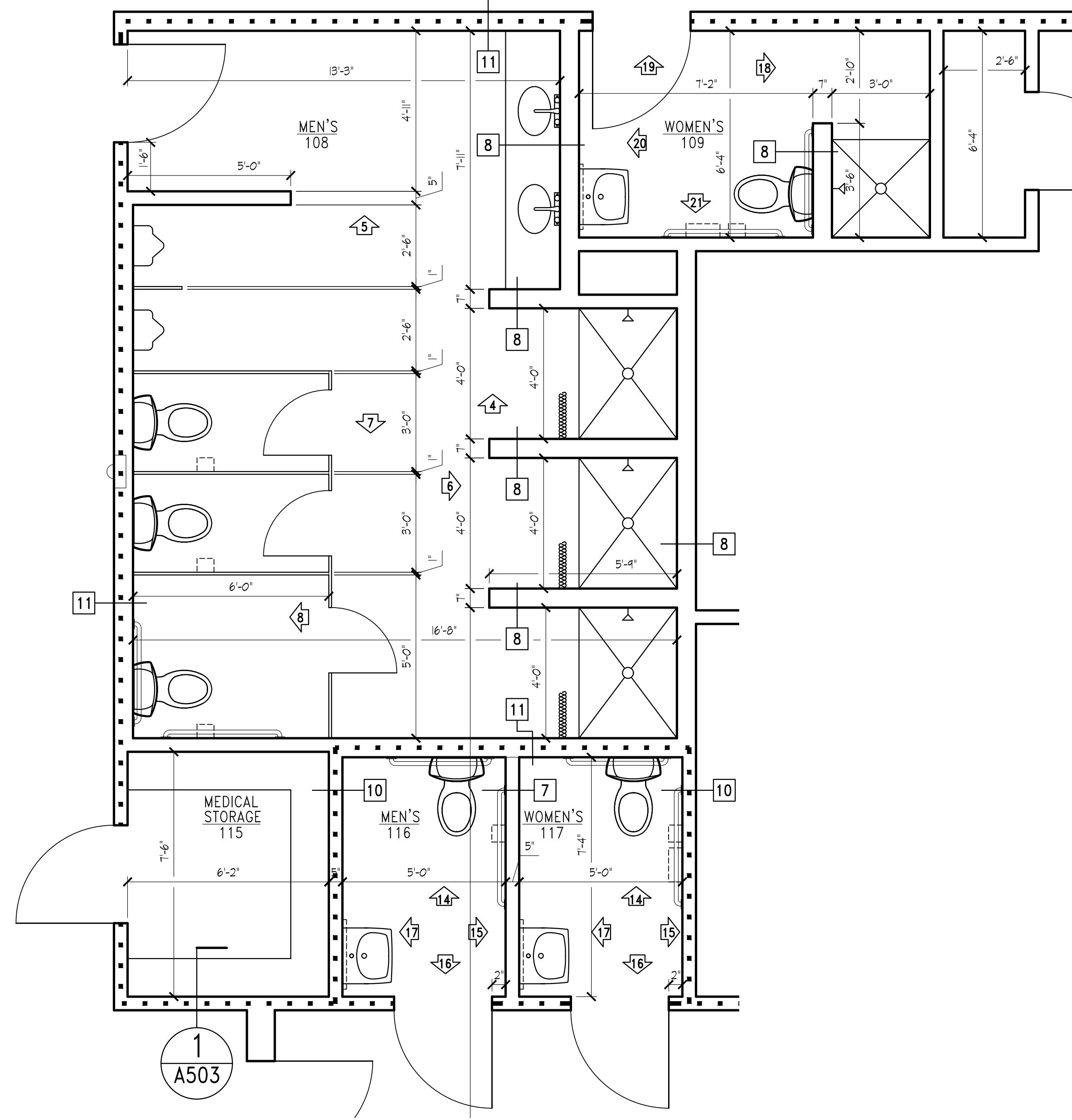
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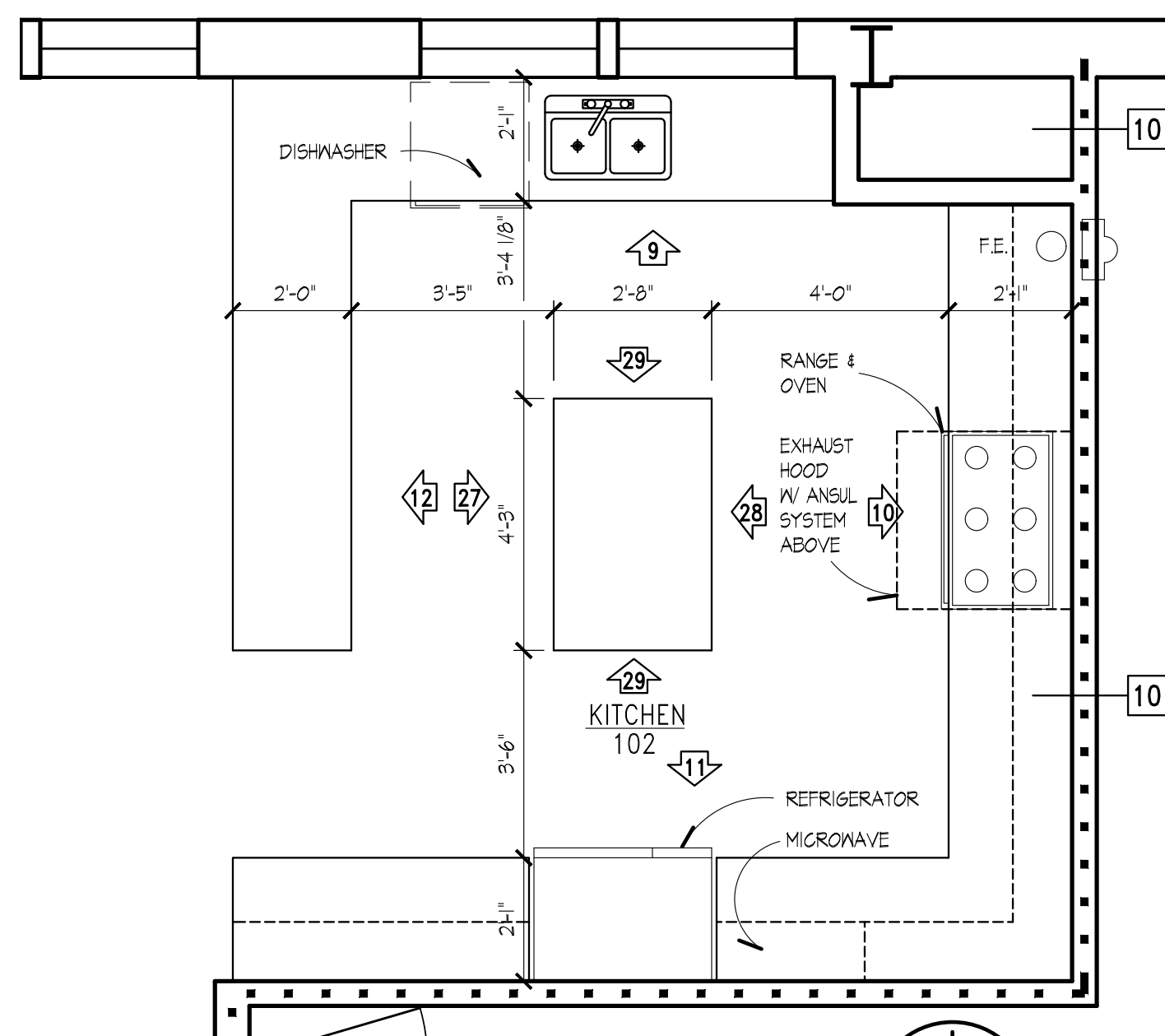
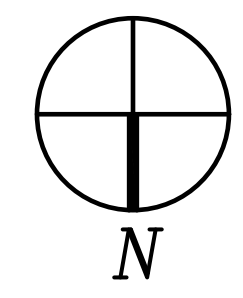
PROJECT NO.: 2023-02  
DRAWN BY: EGI  
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SHEET NO.:  
**A408**



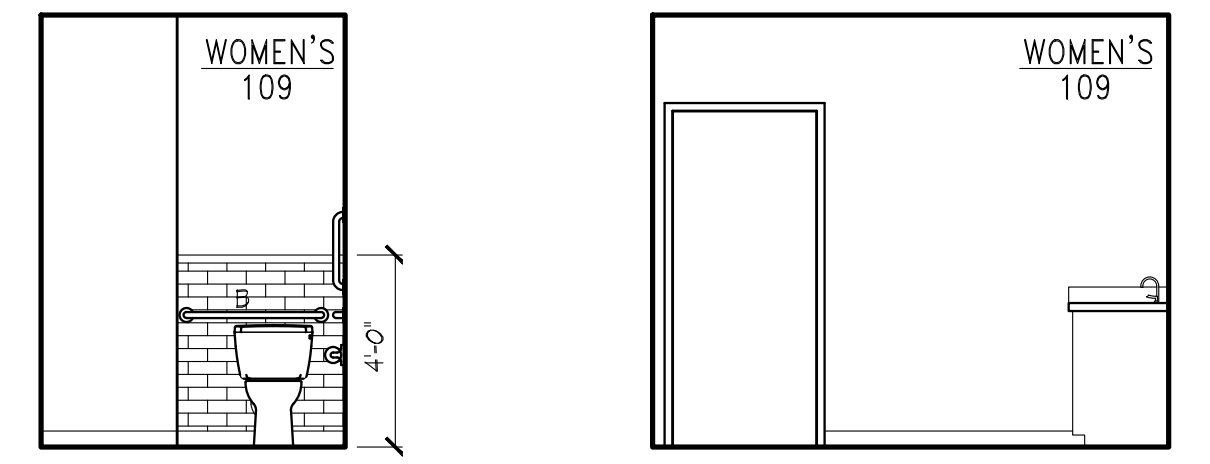
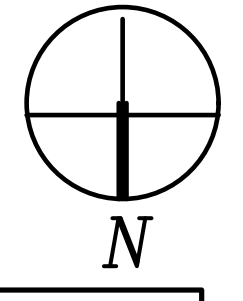


**1 ENLARGED FLOOR PLAN**  
A501 SCALE: 3/8" = 1'-0"

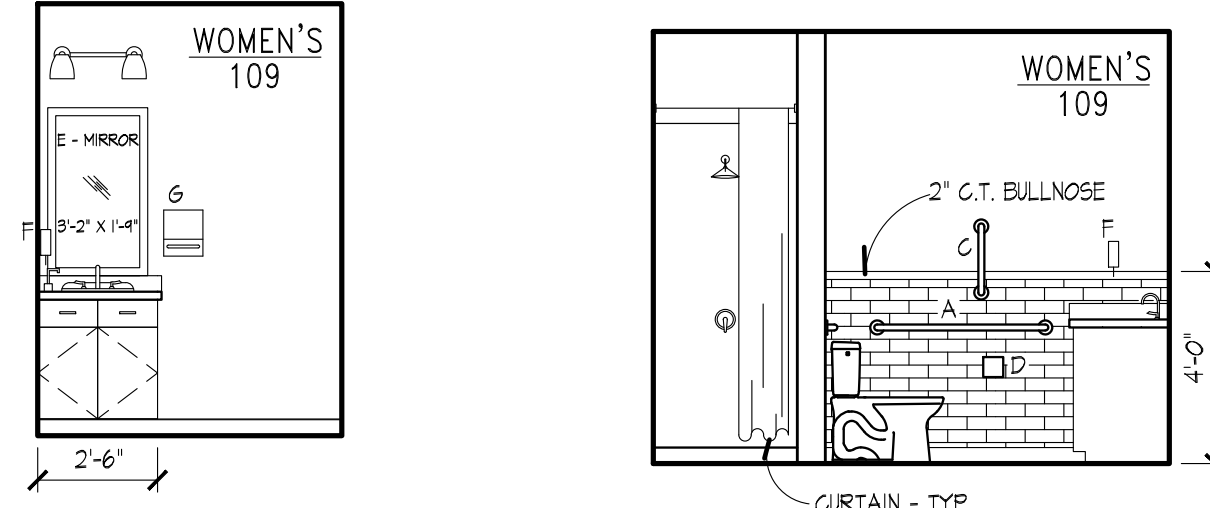


**2 ENLARGED FLOOR PLAN**  
A501 SCALE: 3/8" = 1'-0"

NOTE: KITCHEN CABINETS ARE O.F.C.I - COUNTERTOPS ARE PART OF BASE BID

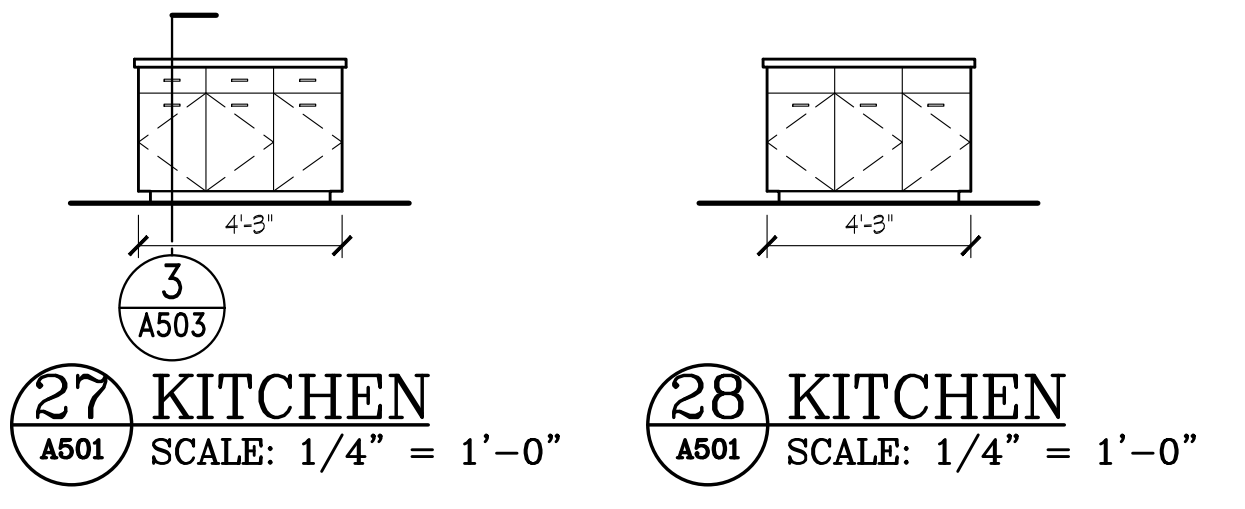


**18 WOMEN'S TOILET** A501 SCALE: 1/4" = 1'-0"  
**19 WOMEN'S TOILET** A501 SCALE: 1/4" = 1'-0"

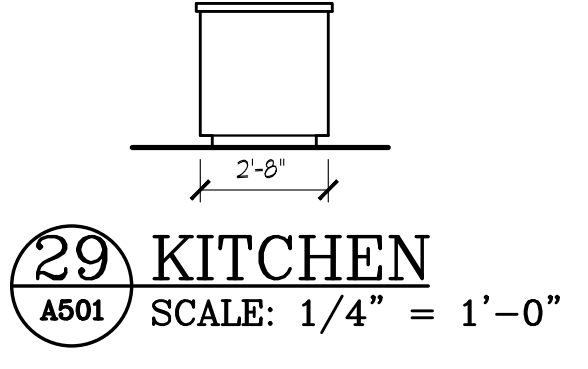


**20 WOMEN'S TOILET** A501 SCALE: 1/4" = 1'-0"  
**21 WOMEN'S TOILET** A501 SCALE: 1/4" = 1'-0"

**3 NOT USED**  
A501



**27 KITCHEN** A501 SCALE: 1/4" = 1'-0"  
**28 KITCHEN** A501 SCALE: 1/4" = 1'-0"



**29 KITCHEN** A501 SCALE: 1/4" = 1'-0"

NOTE: KITCHEN CABINETS ARE O.F.C.I - COUNTERTOPS ARE PART OF BASE BID

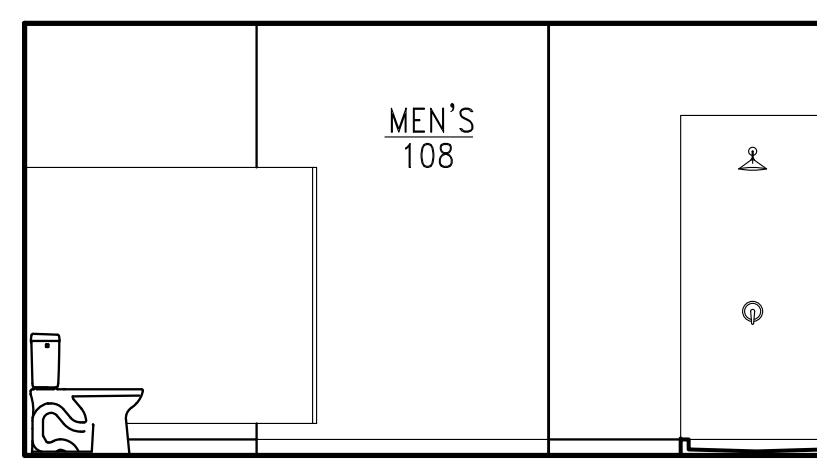
**22 NOT USED**  
A501

**23 NOT USED**  
A501

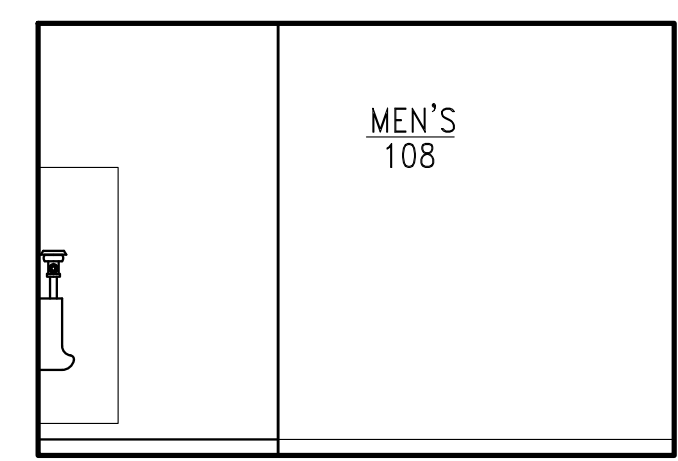
**24 NOT USED**  
A501

**25 NOT USED**  
A501

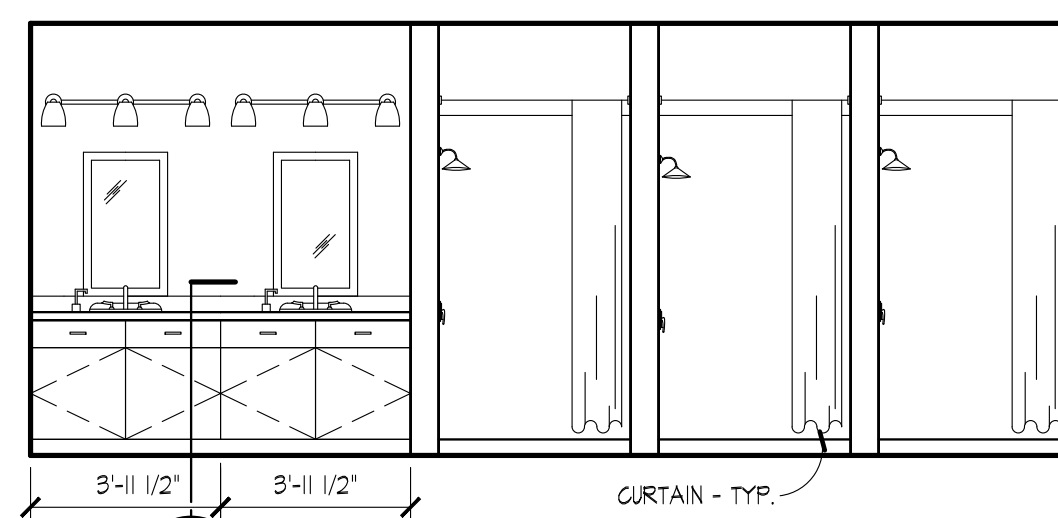
**26 NOT USED**  
A501



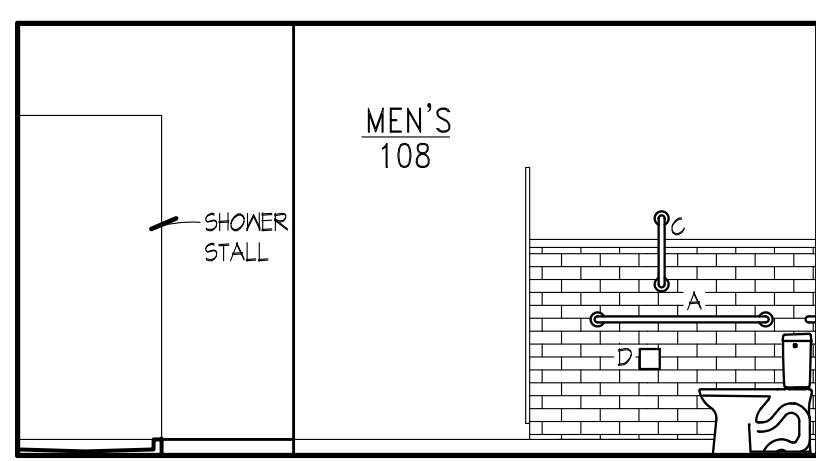
**4 MEN'S TOILET** A501 SCALE: 1/4" = 1'-0"



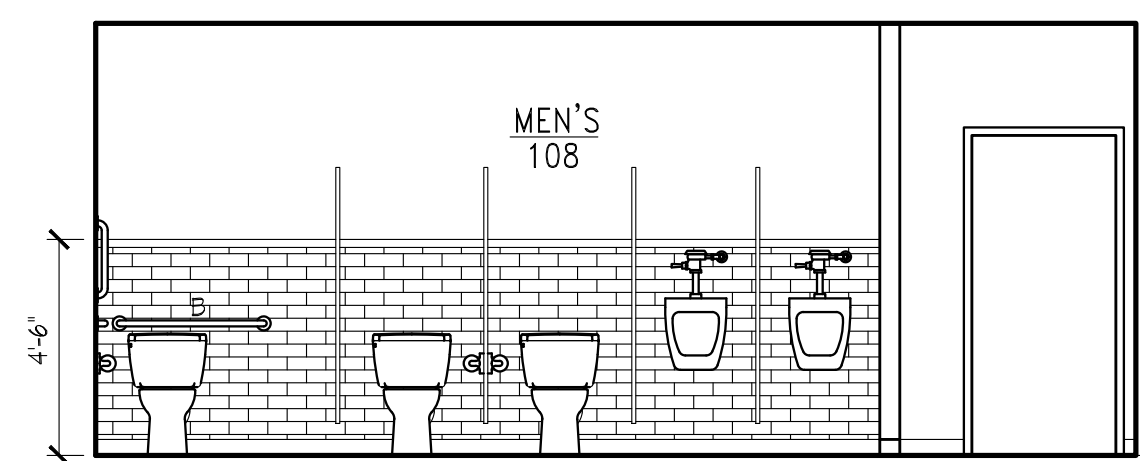
**5 MEN'S TOILET** A501 SCALE: 1/4" = 1'-0"



**6 MEN'S TOILET** A501 SCALE: 1/4" = 1'-0"



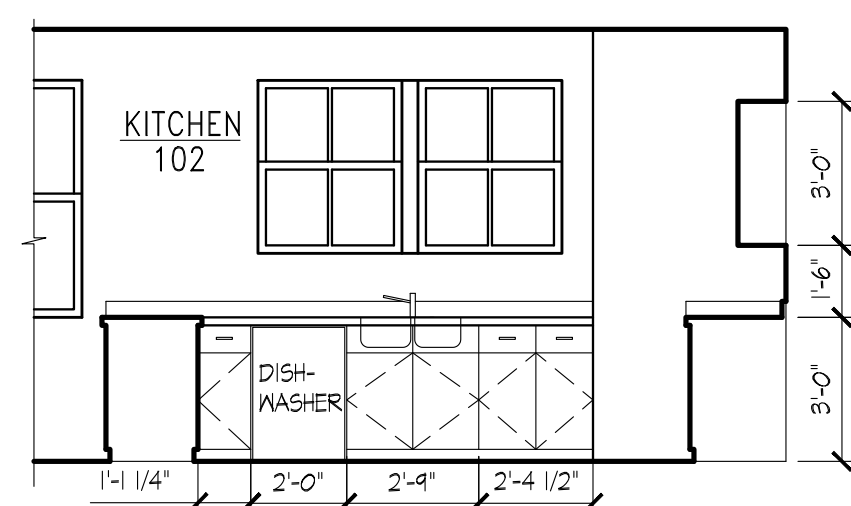
**7 MEN'S TOILET** A501 SCALE: 1/4" = 1'-0"



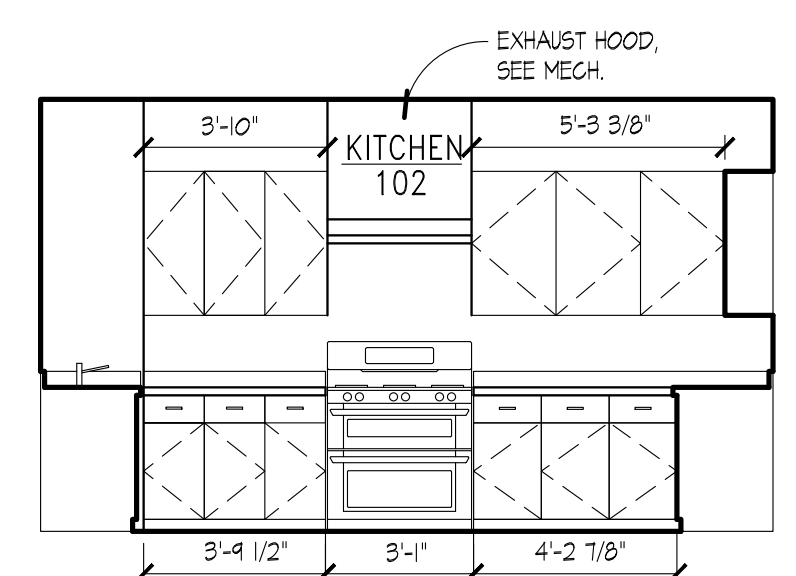
**8 MEN'S TOILET** A501 SCALE: 1/4" = 1'-0"

**TOILET ACCESSORY LEGEND**

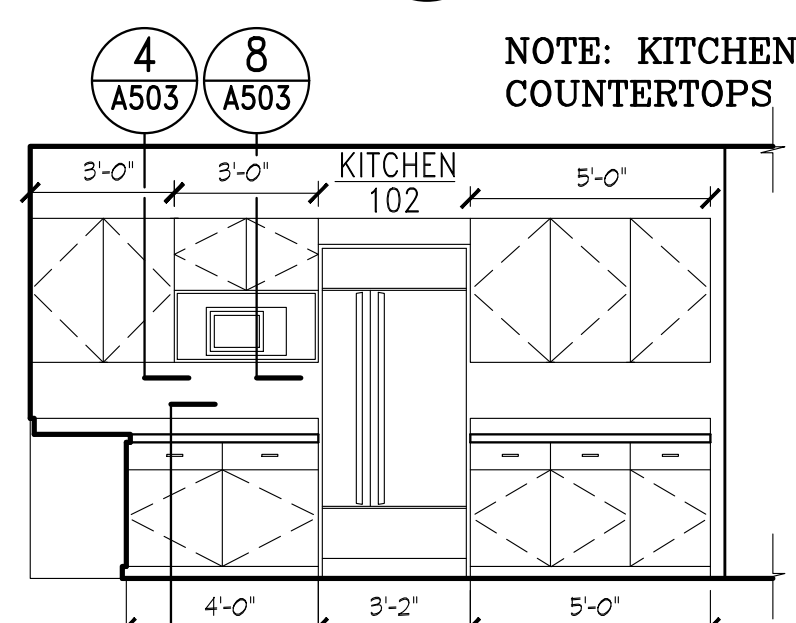
- A 42" GRAB BAR
- B 36" GRAB BAR
- C 18" VERTICAL GRAB BAR
- D T.P. DISPENSER
- E MIRROR
- F SOAP DISPENSER
- G PAPER TOWEL DISP.
- H SANITARY NAPKIN DISPOSAL



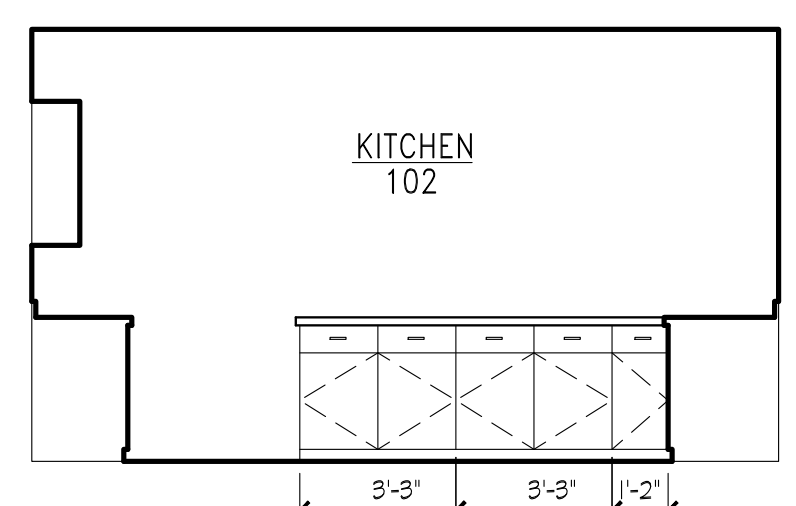
**9 KITCHEN** A501 SCALE: 1/4" = 1'-0"



**10 KITCHEN** A501 SCALE: 1/4" = 1'-0"



**11 KITCHEN** A501 SCALE: 1/4" = 1'-0"

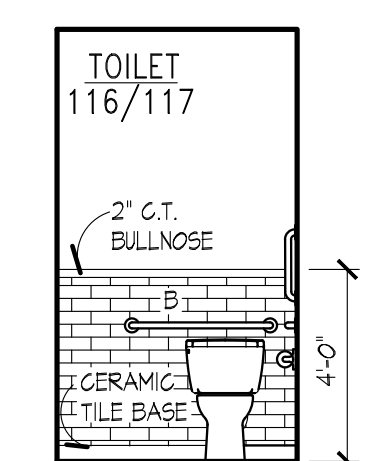


**12 KITCHEN** A501 SCALE: 1/4" = 1'-0"

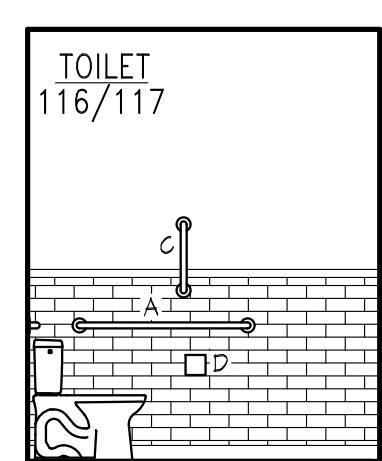


**13 NOT USED** A501

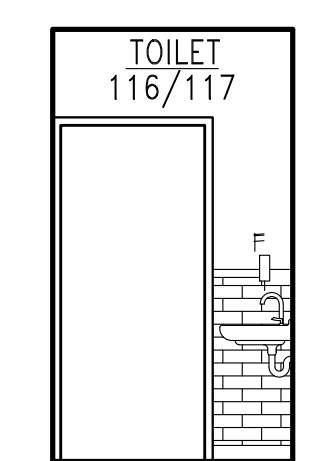
NOTE: KITCHEN CABINETS ARE O.F.C.I - COUNTERTOPS ARE PART OF BASE BID



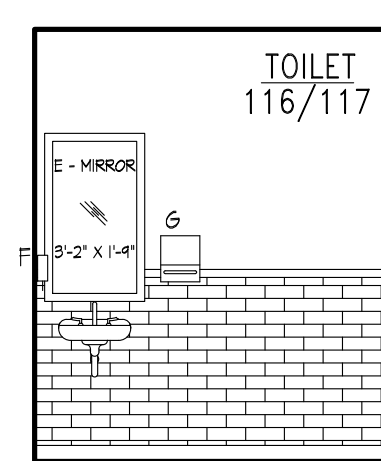
**14 TOILET** A501 SCALE: 1/4" = 1'-0"



**15 TOILET** A501 SCALE: 1/4" = 1'-0"



**16 TOILET** A501 SCALE: 1/4" = 1'-0"



**17 TOILET** A501 SCALE: 1/4" = 1'-0"

**ENLARGED PLANS & DETAILS**

SEALS:

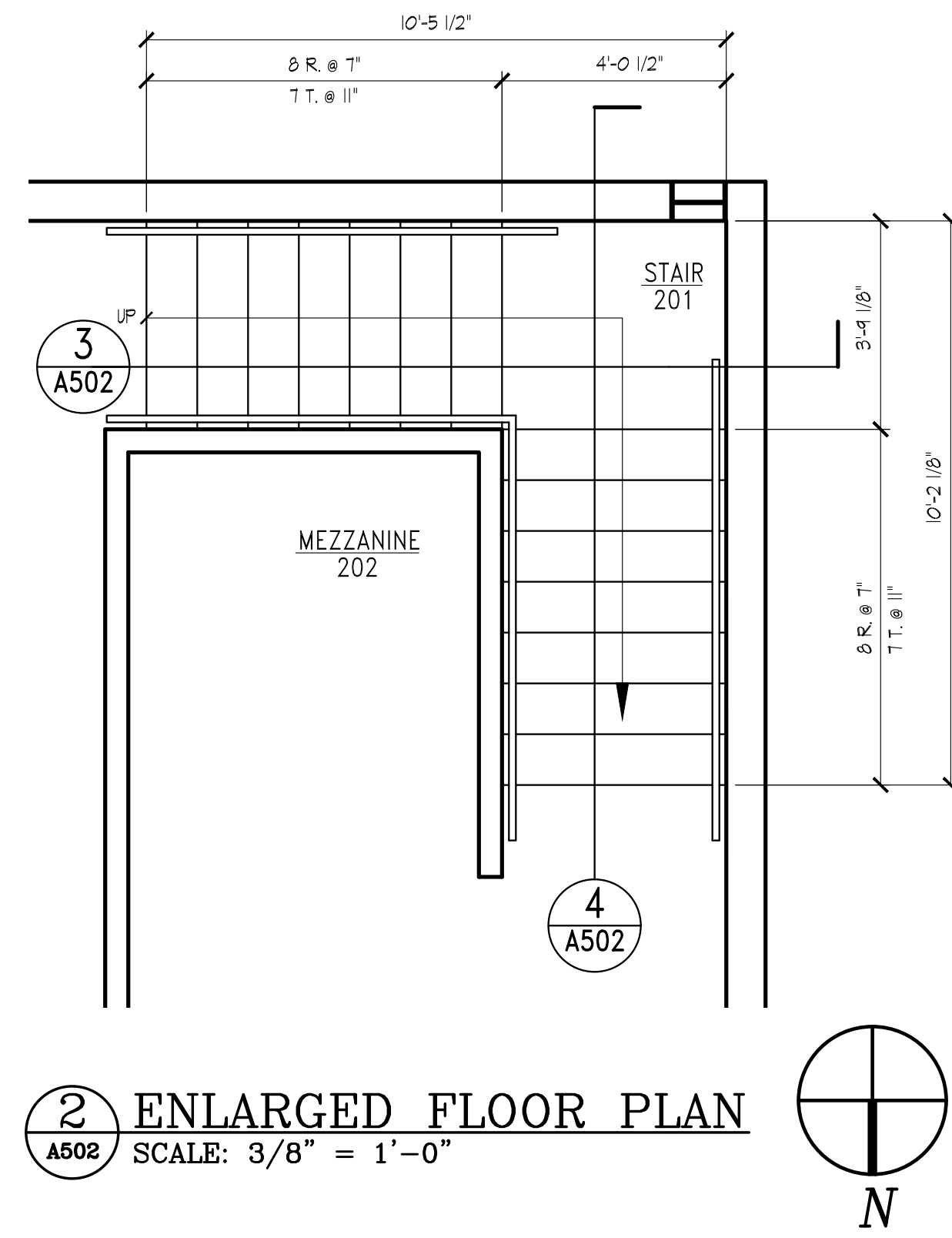
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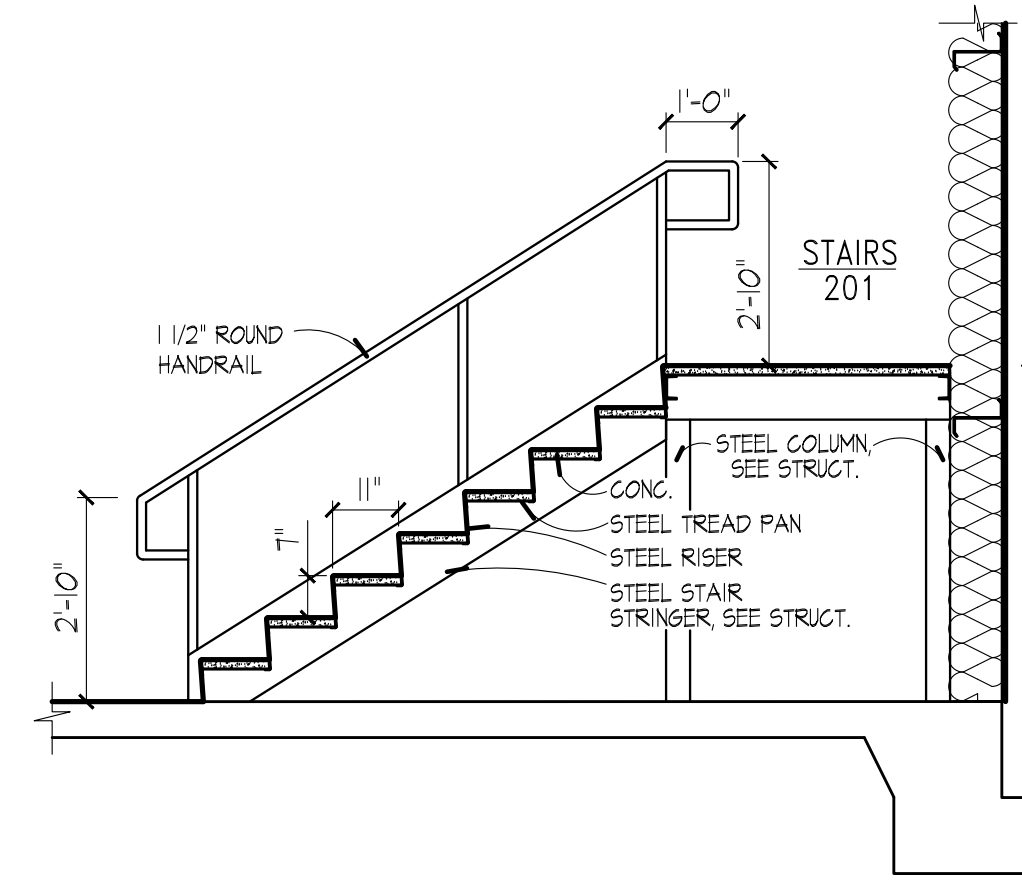
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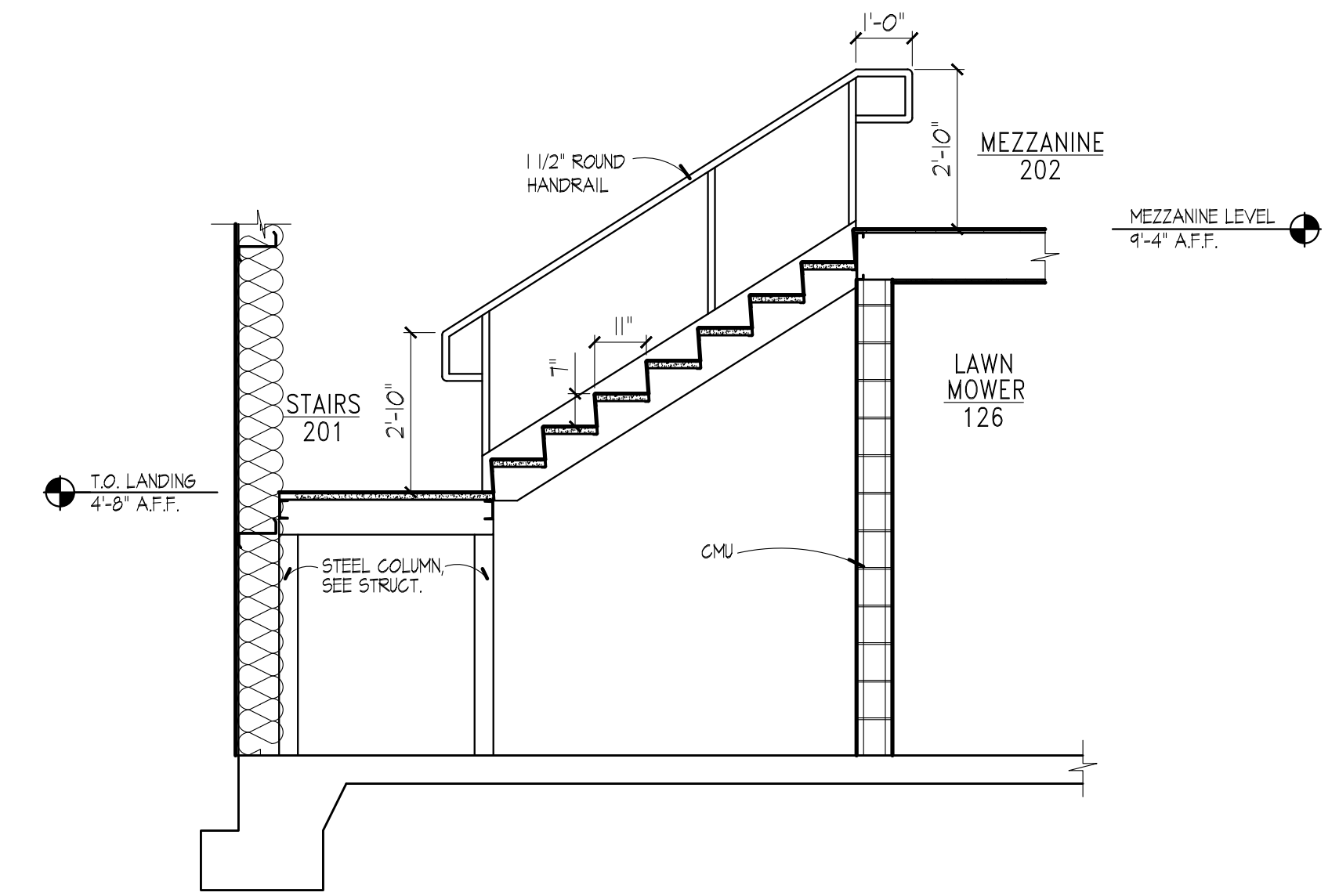
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**A501**



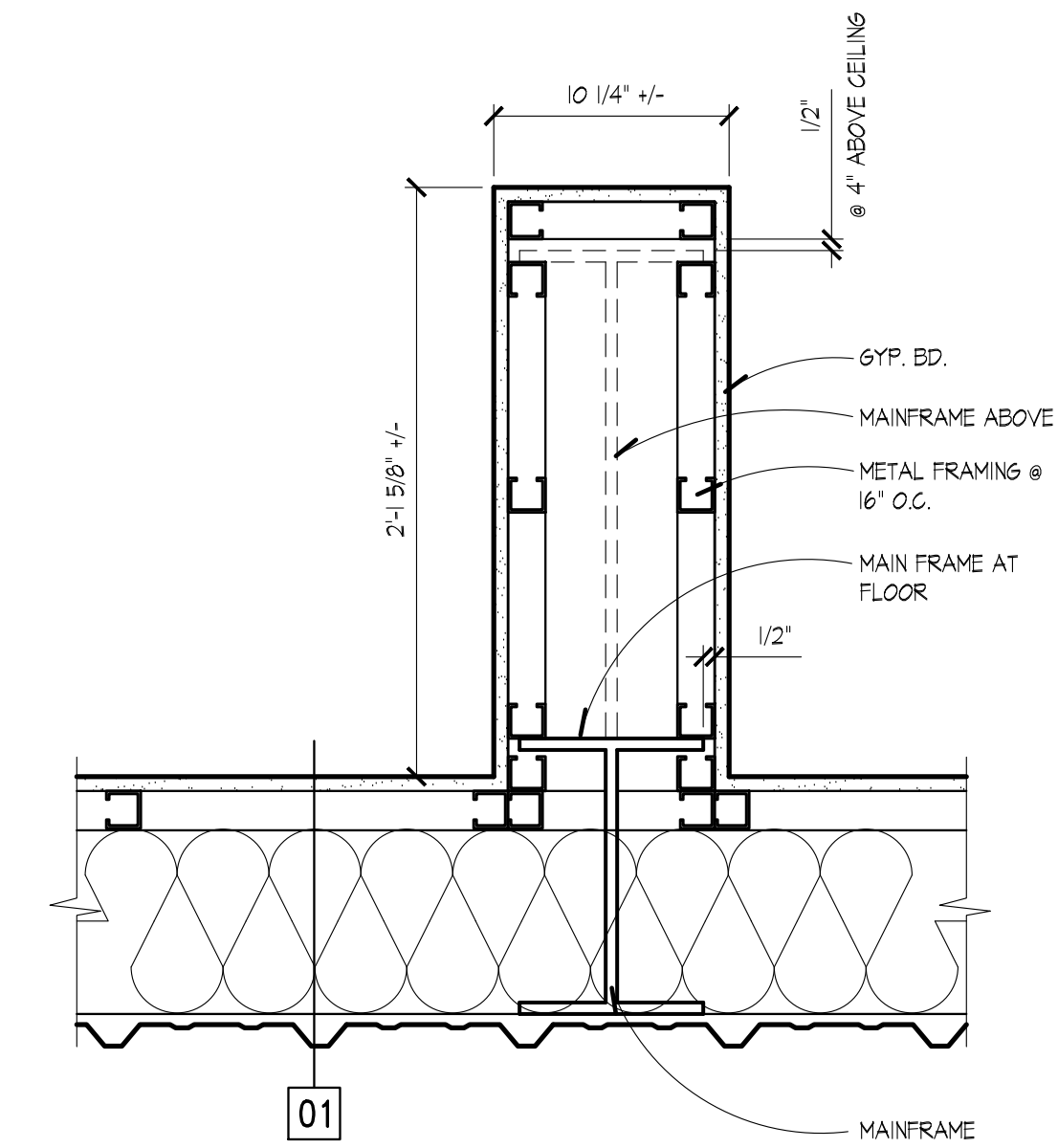
**2 ENLARGED FLOOR PLAN**  
 A502 SCALE: 3/8" = 1'-0"



**3 STAIR SECTION**  
 A502 SCALE: 3/8" = 1'-0"

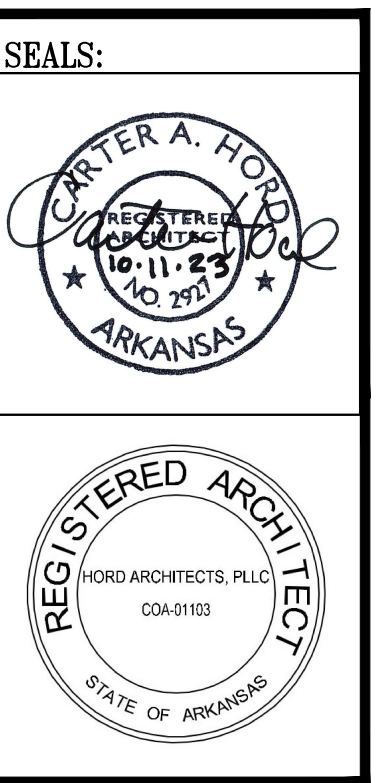


**4 STAIR SECTION**  
 A502 SCALE: 3/8" = 1'-0"



**5 FURR-OUT DETAIL**  
 A502 SCALE: 1-1/2" = 1'-0"

**1 NOT USED**  
 A502



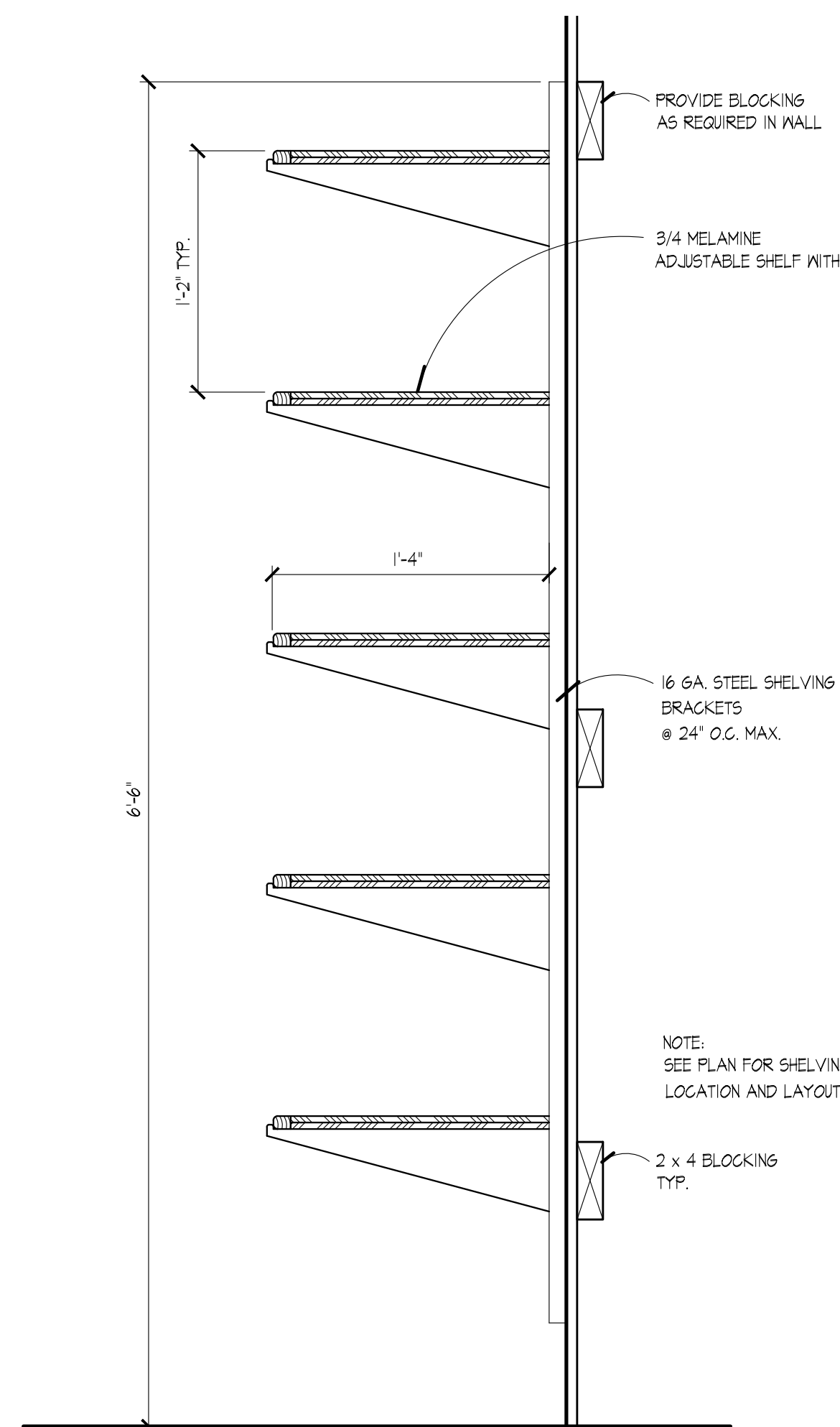
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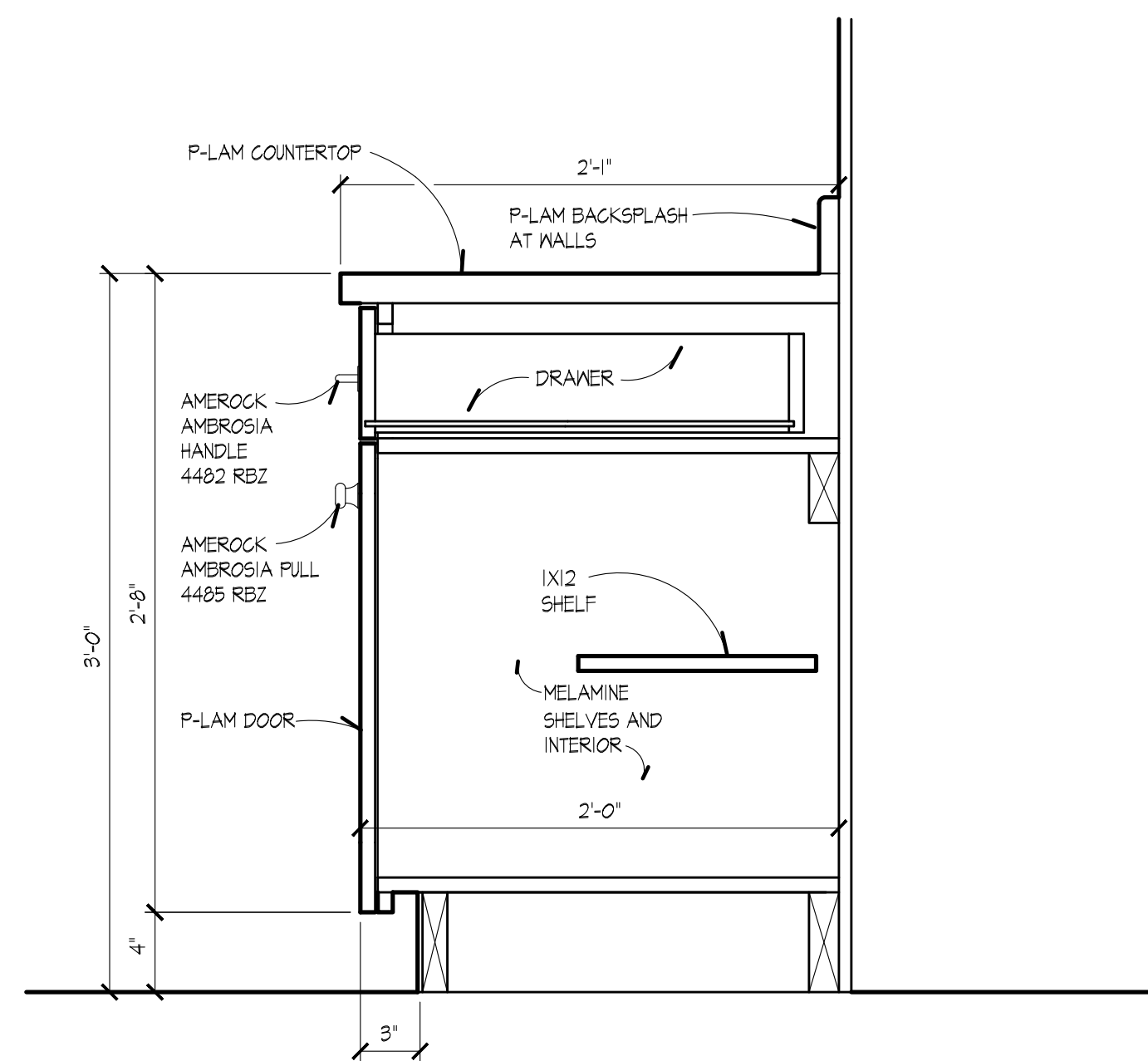
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**A502**

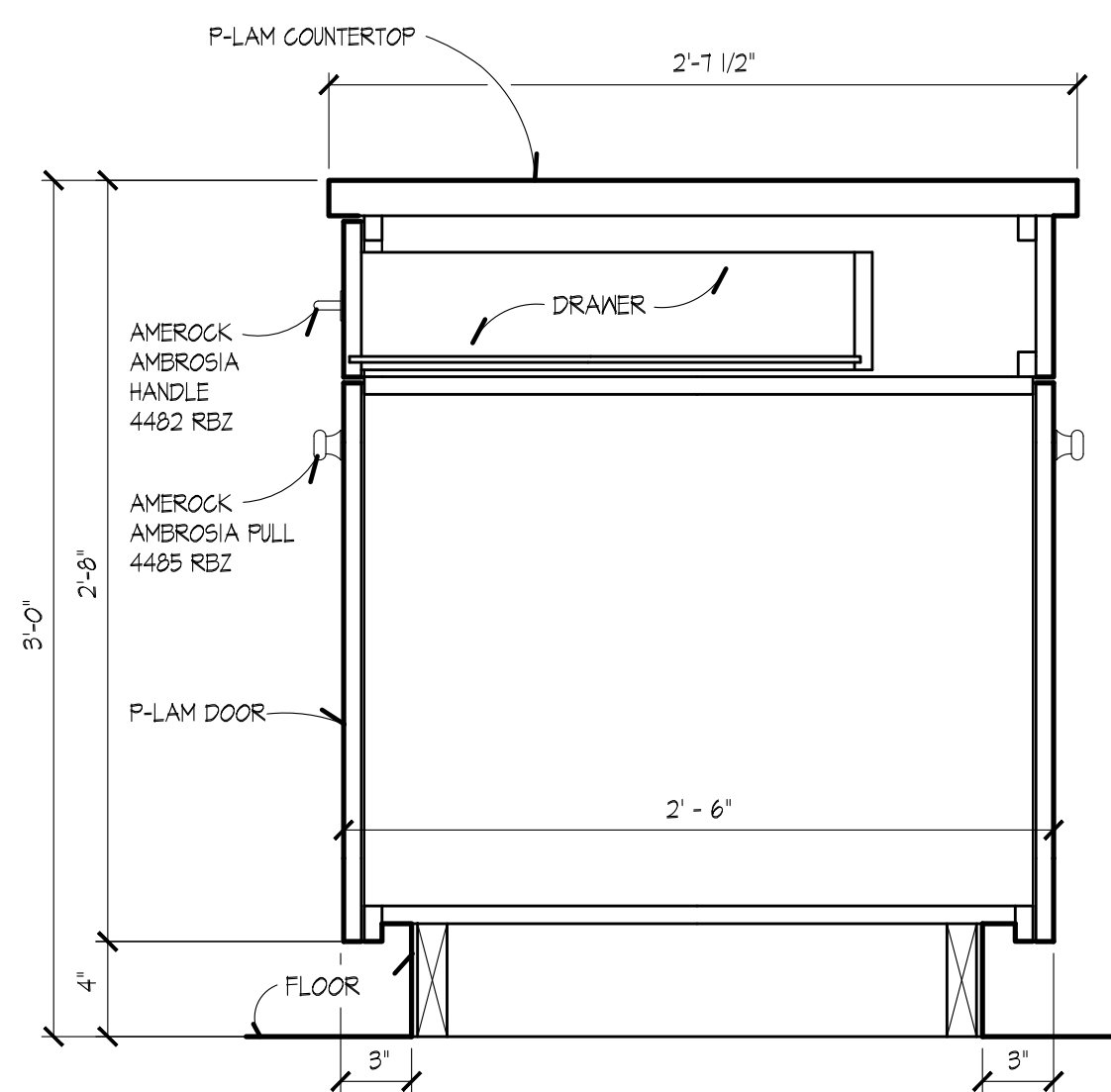




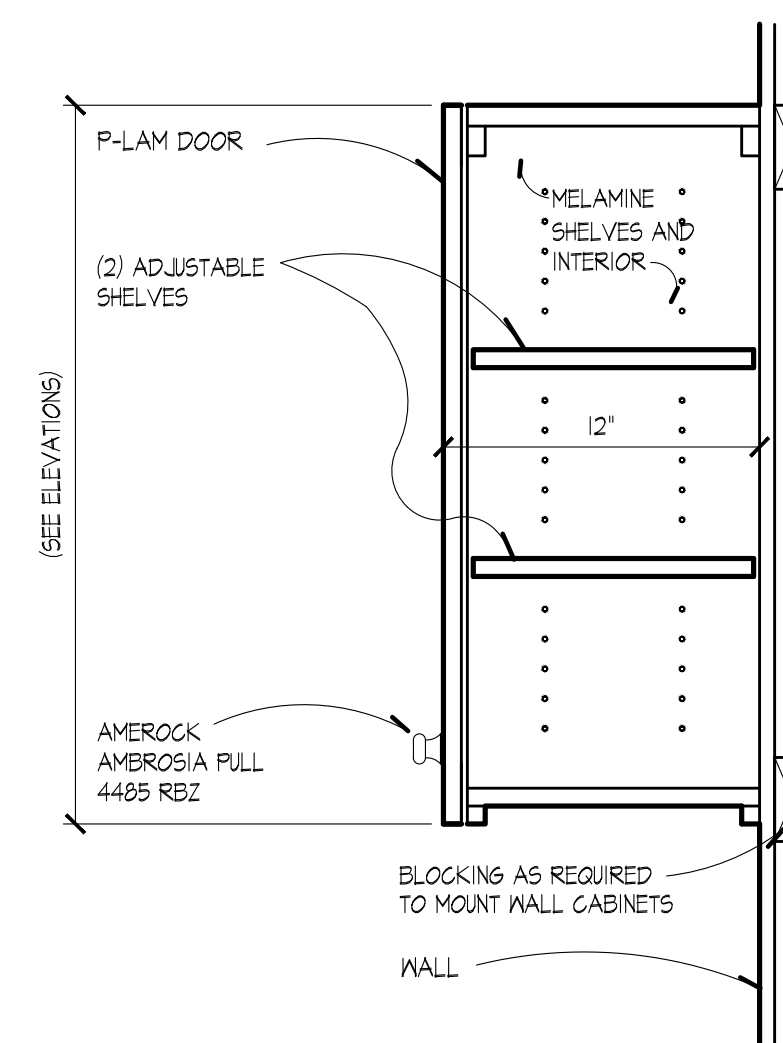
**1** SHELVING  
A503 SCALE: 1 1/2" = 1'-0"



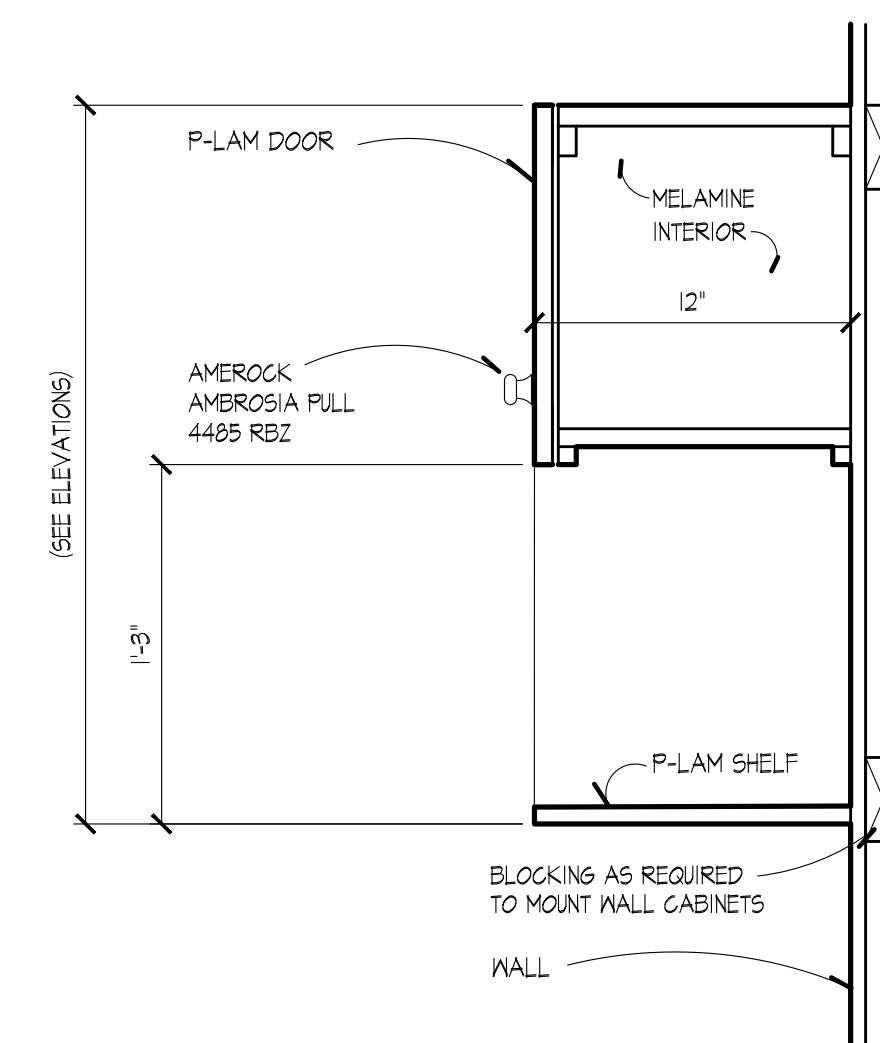
**2** LOWER CABINETS  
A503 SCALE: 1 1/2" = 1'-0"



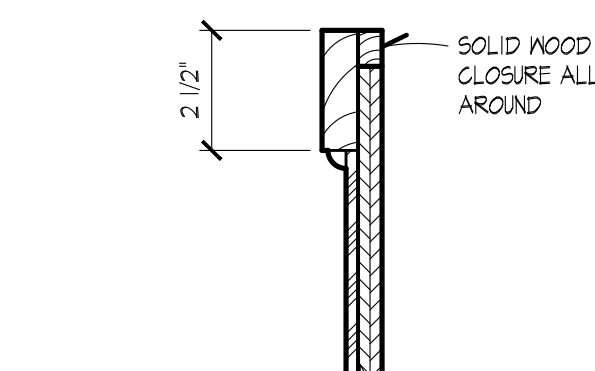
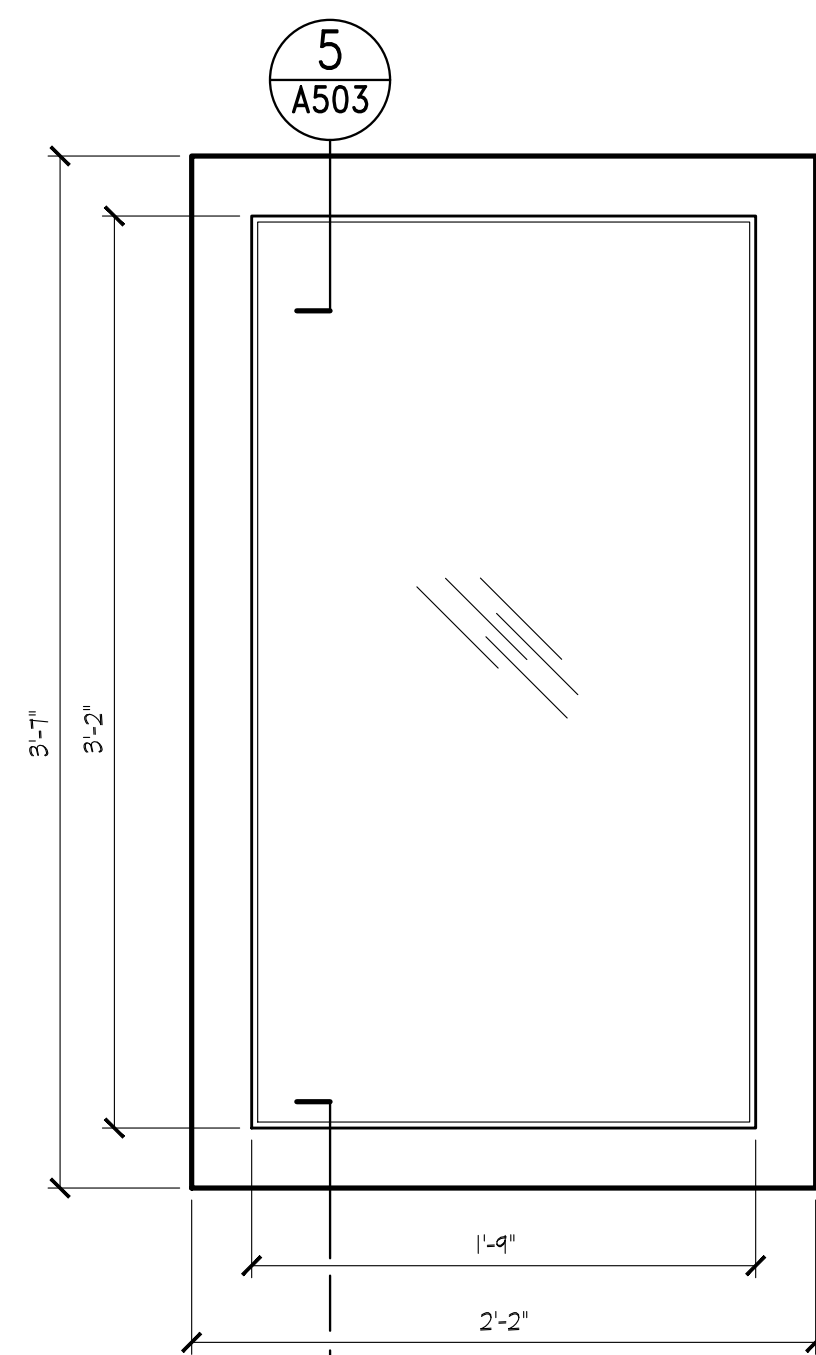
**3** CABINET DRAWERS  
A503 SCALE: 1 1/2" = 1'-0"



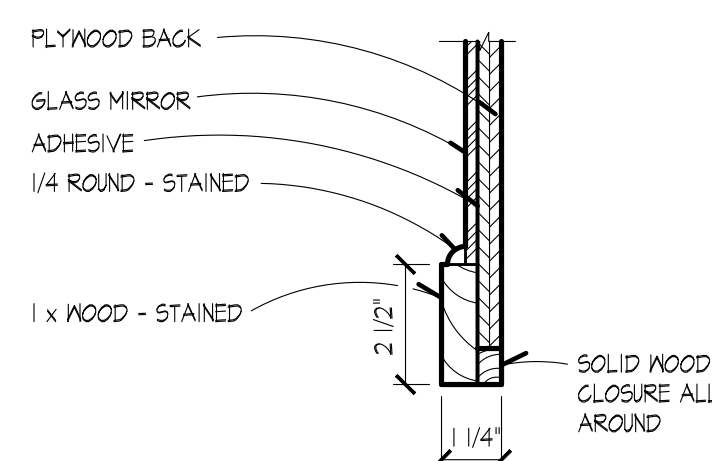
**4** UPPER CABINETS  
A503 SCALE: 1 1/2" = 1'-0"



**8** MICROWAVE SHELF  
A503 SCALE: 1 1/2" = 1'-0"

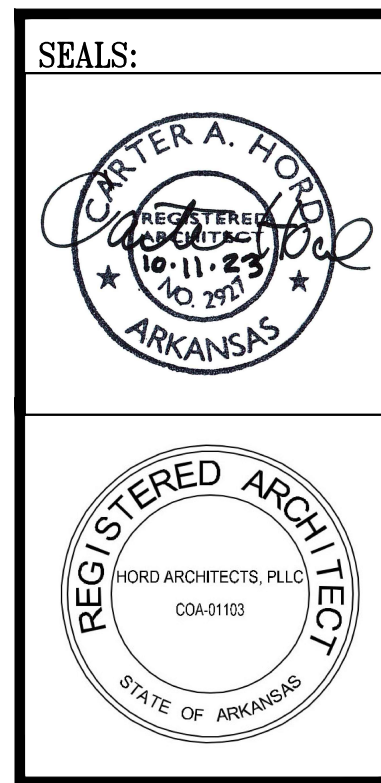


**5** MIRROR FRAME  
A503 SCALE: 3" = 1'-0"



**6** MIRROR FRAME  
A503 SCALE: 3" = 1'-0"

**7** MIRROR  
A503 SCALE: 1 1/2" = 1'-0"



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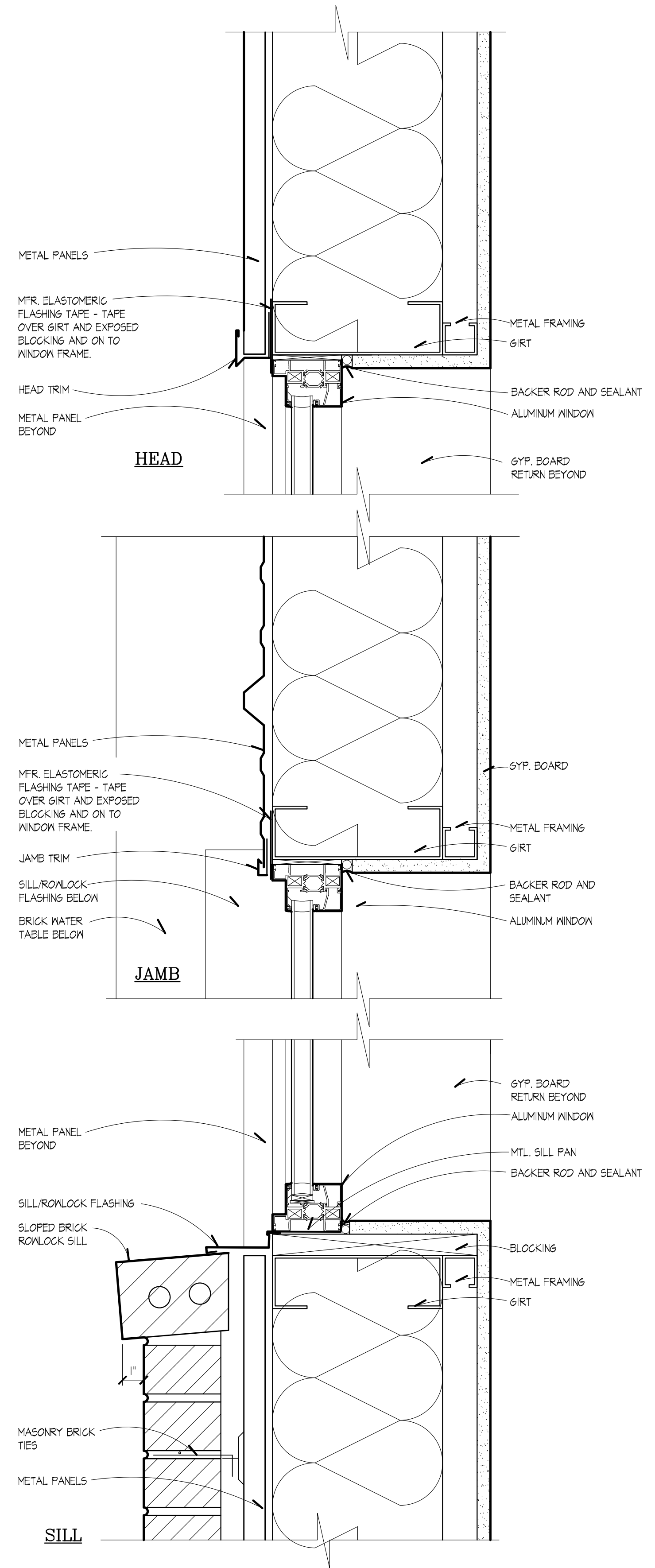
SHEET NO.:  
A503

NOTE: KITCHEN CABINETS ARE O.F.C.I - COUNTERTOPS ARE PART OF BASE BID

MILLWORK SECTIONS

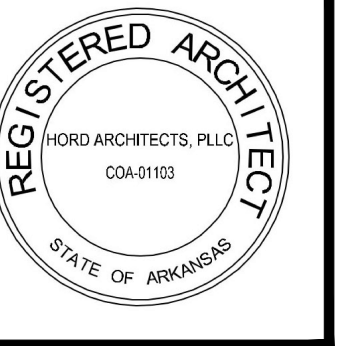
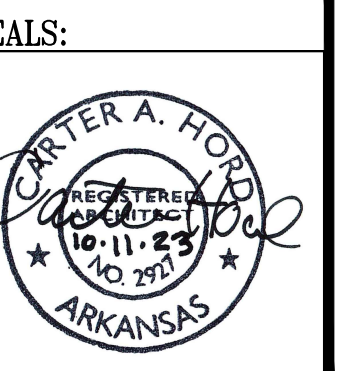
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10/12/2023 11:05:05 AM, COPYRIGHT HORD ARCHITECTS



**1 WINDOW HJS DETAIL**  
 A601 SCALE: 3" = 1'-0"

**HEAD, JAMB, SILL DETAILS**



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 66 Monroe Avenue, Suite 105 — Memphis, TN 38103  
 tel. 901-527-9085 fax. 901-527-9087

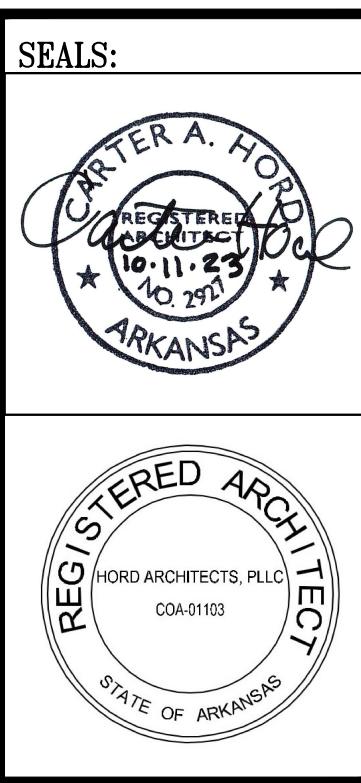
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SHEET NO.:  
**A601**



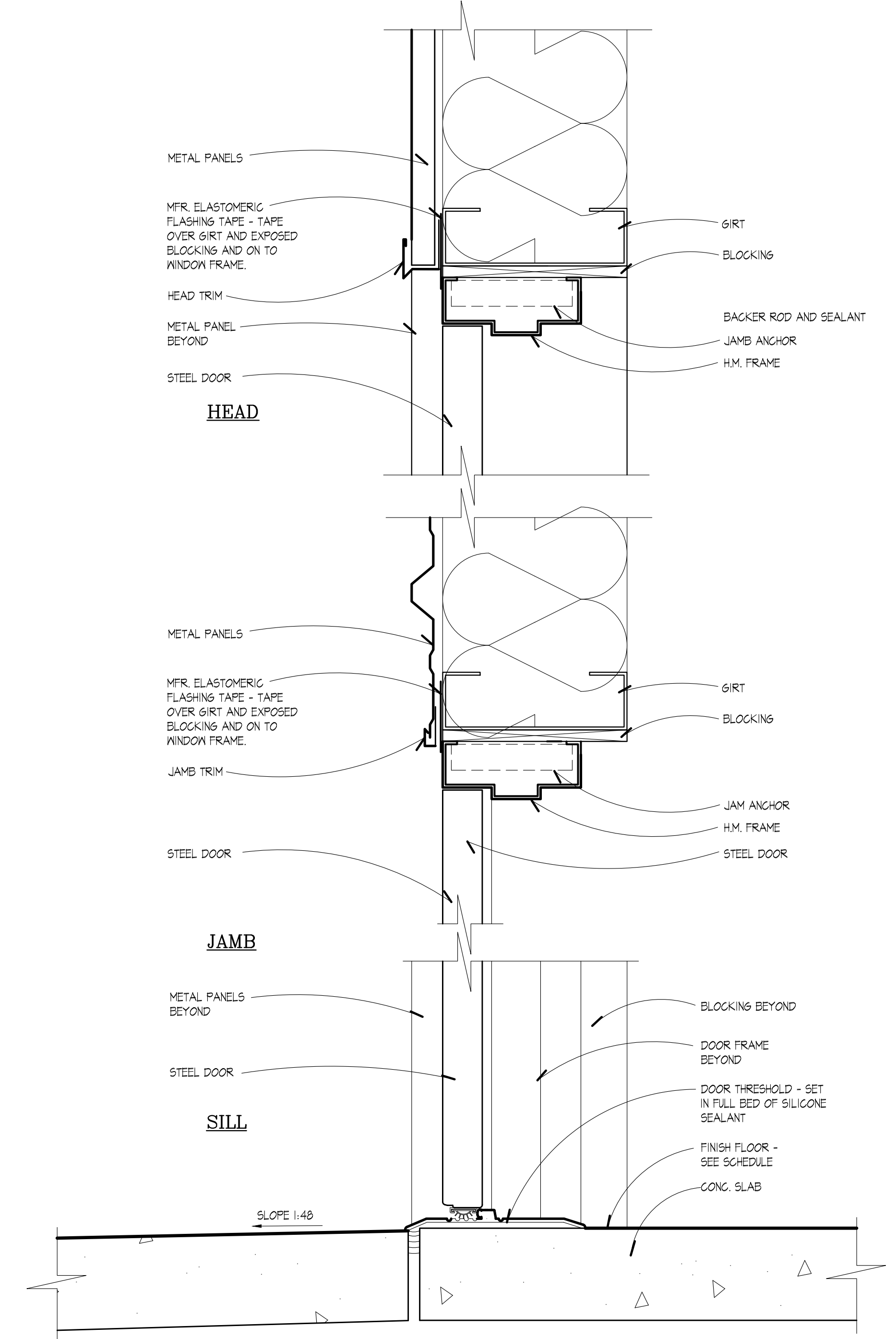
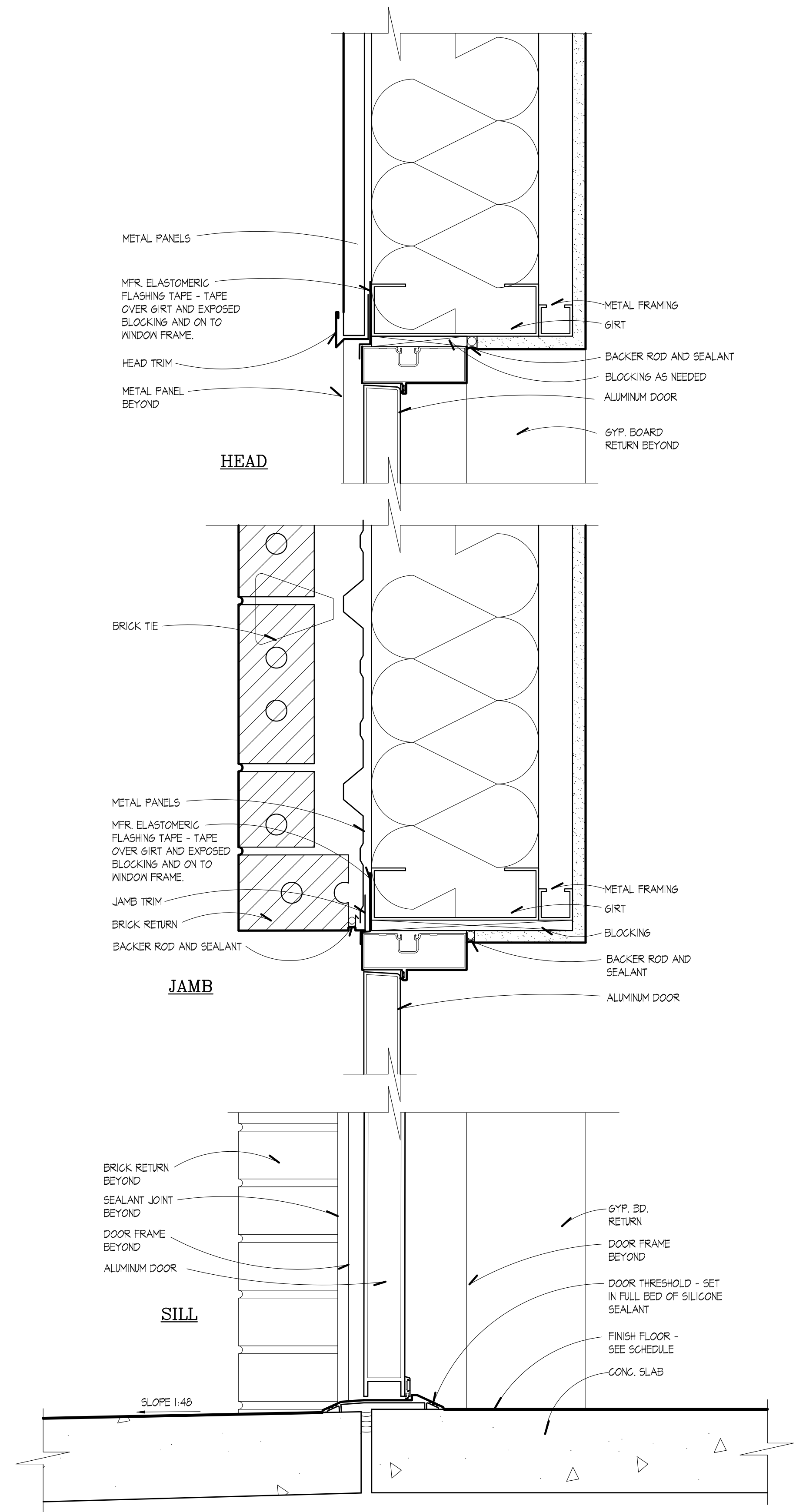


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PROPOSED:  
**TRUMANN FIRE STATION**  
 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
 DRAWN BY: EI  
 CHECKED BY: CAH  
 DATE: 10-11-2023  
 REVISIONS:

SHEET NO.:  
**A602**



HEAD, JAMB, SILL DETAILS

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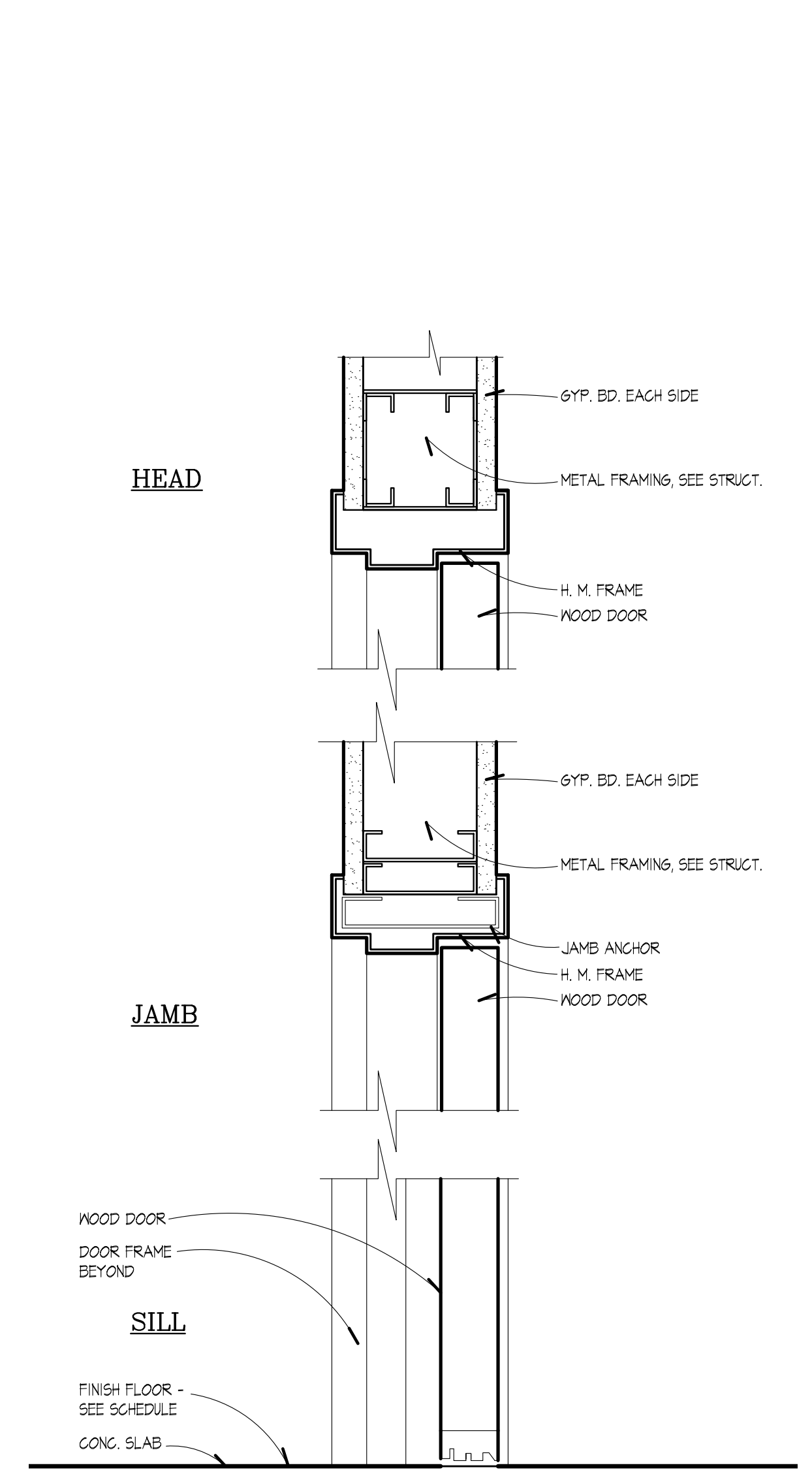


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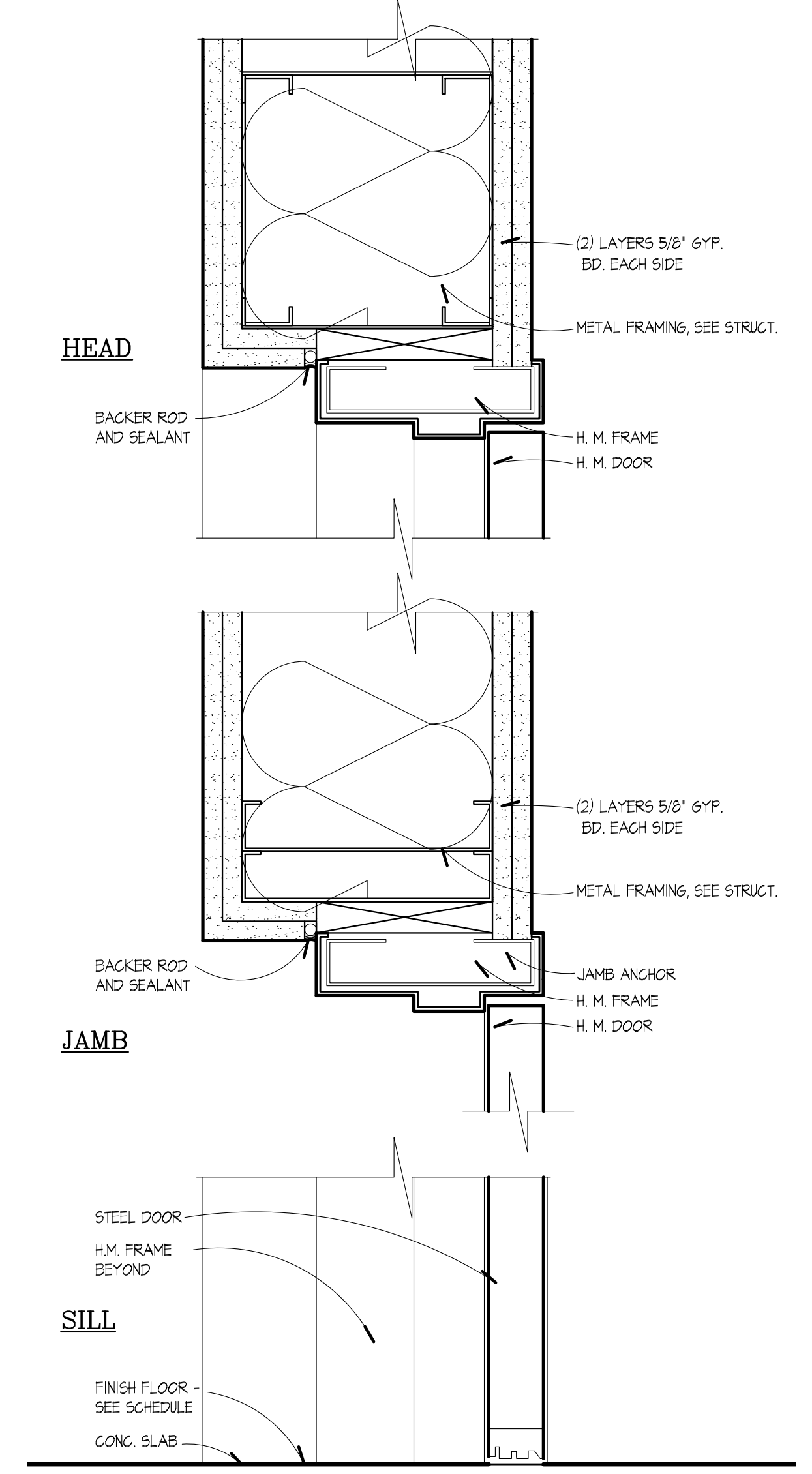
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**A603**



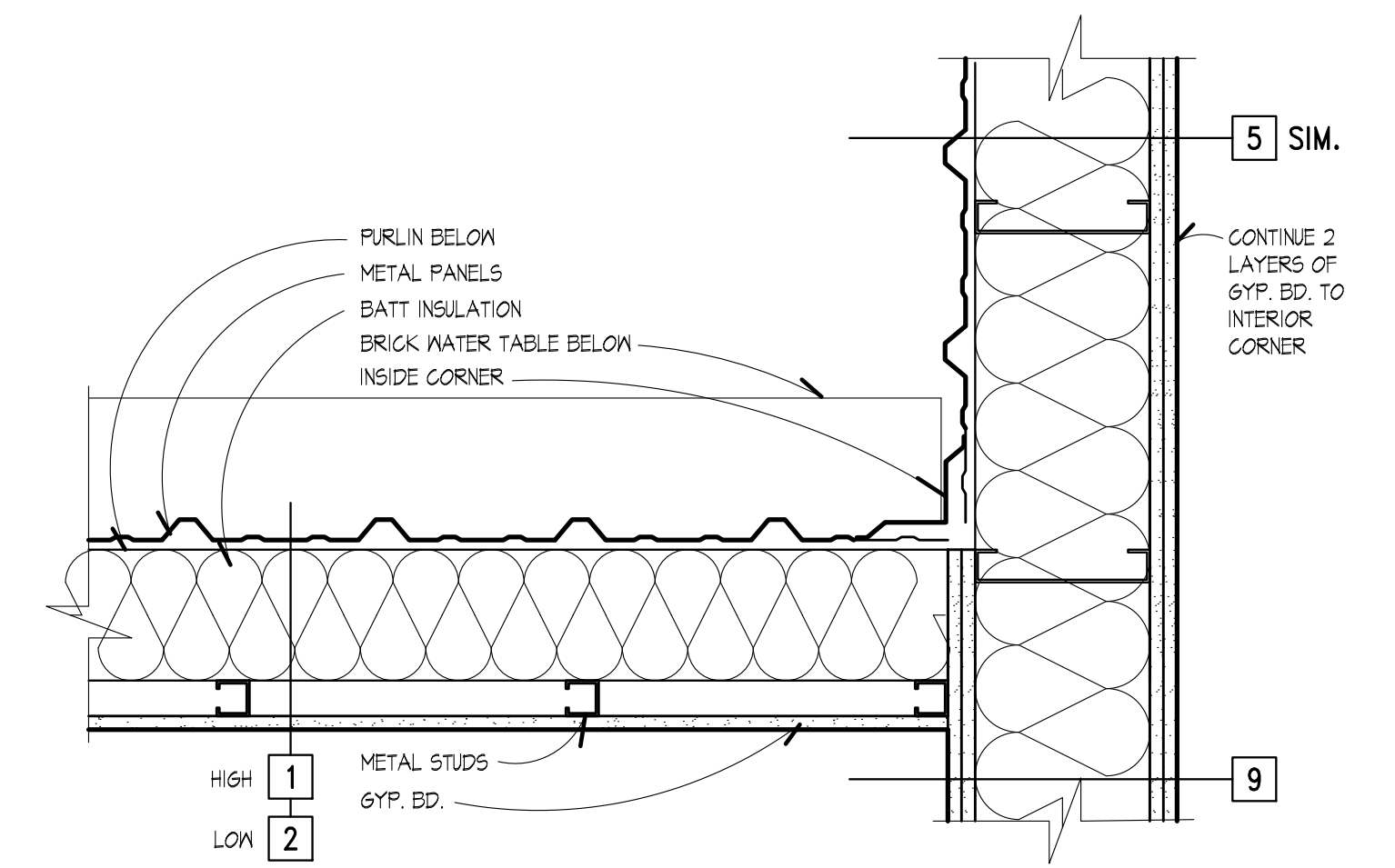
**1** DOOR HJS DETAIL  
A603 SCALE: 3" = 1'-0"



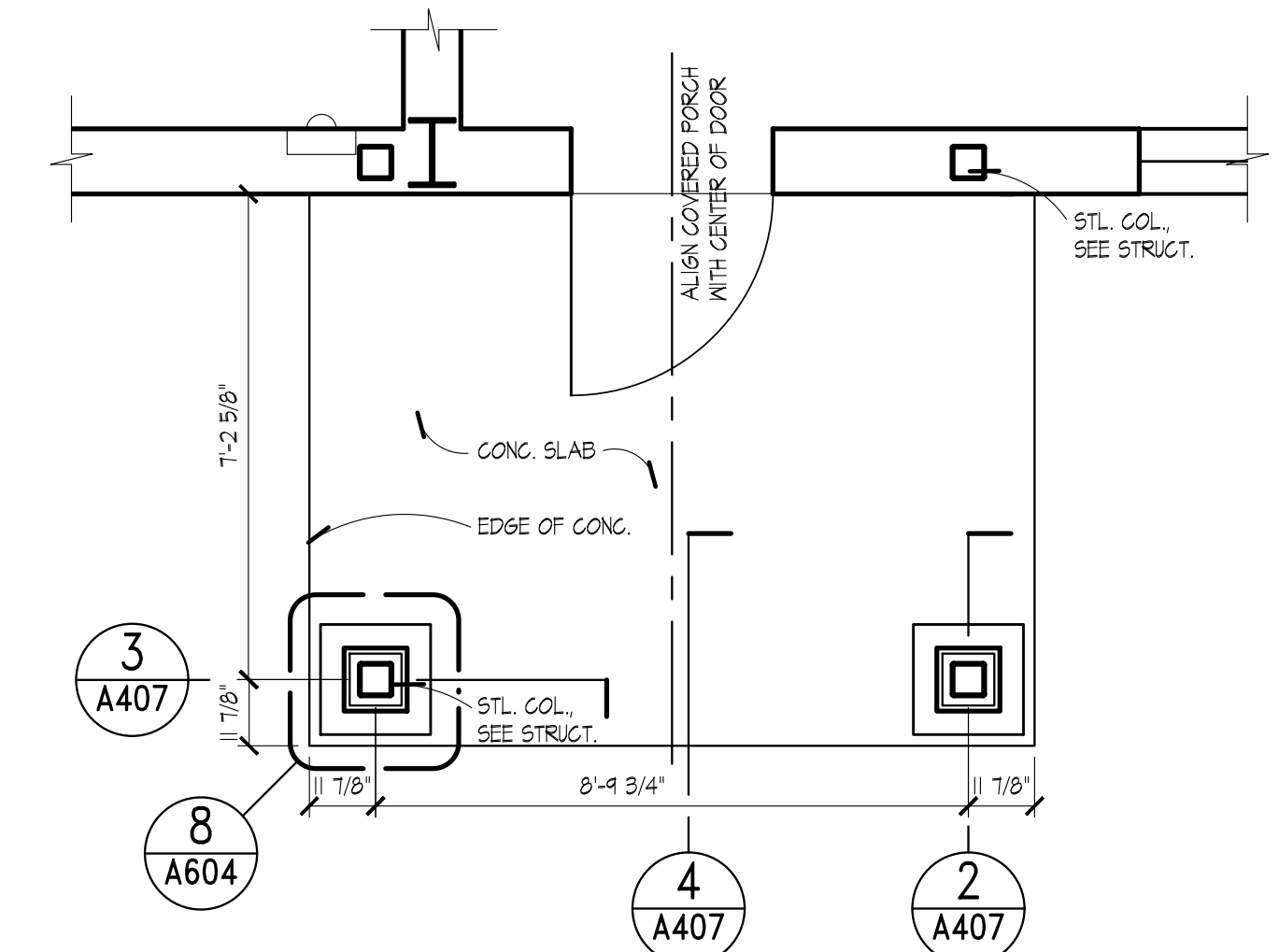
**2** DOOR HJS DETAIL  
A603 SCALE: 3" = 1'-0"

**HEAD, JAMB, SILL DETAILS**

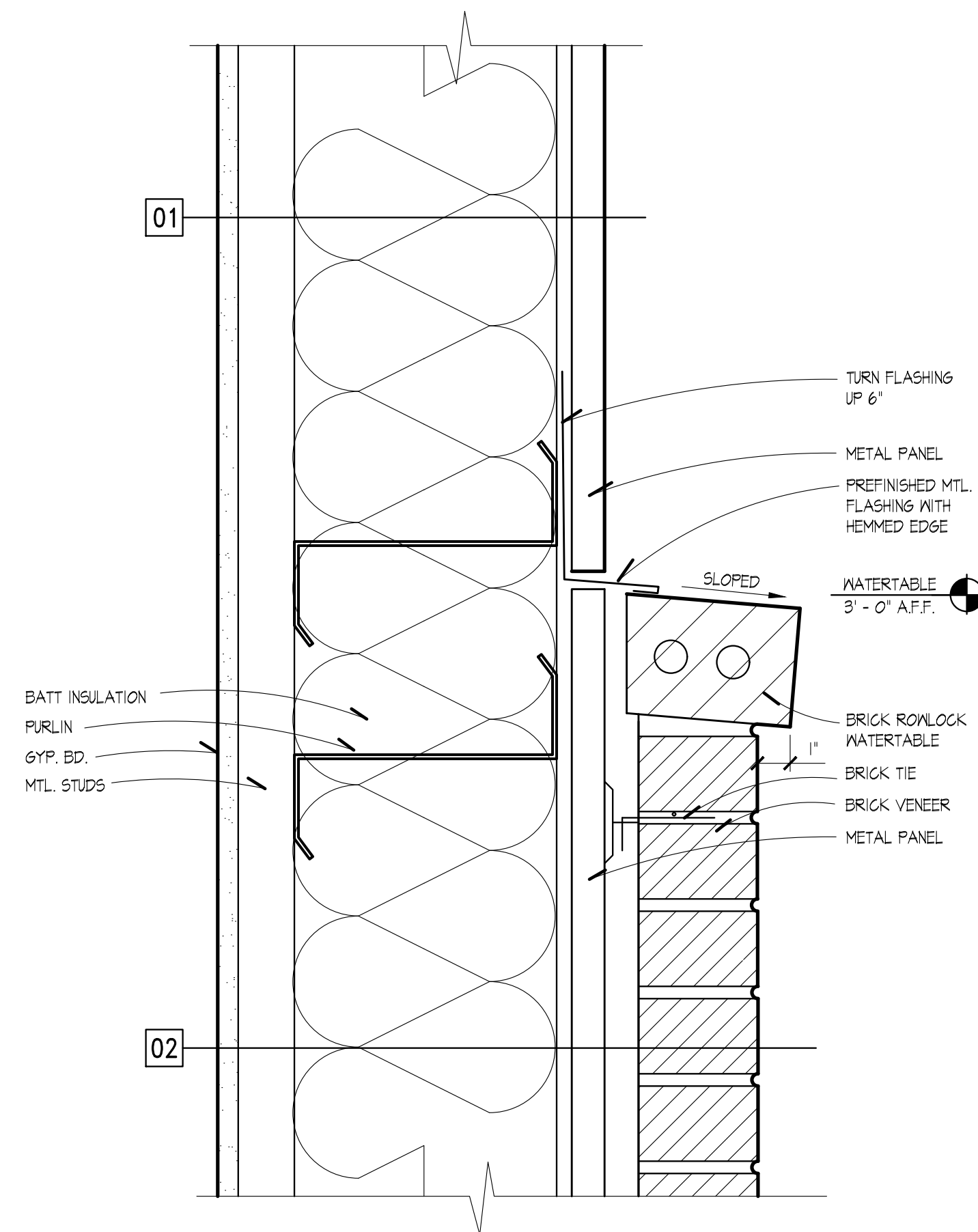




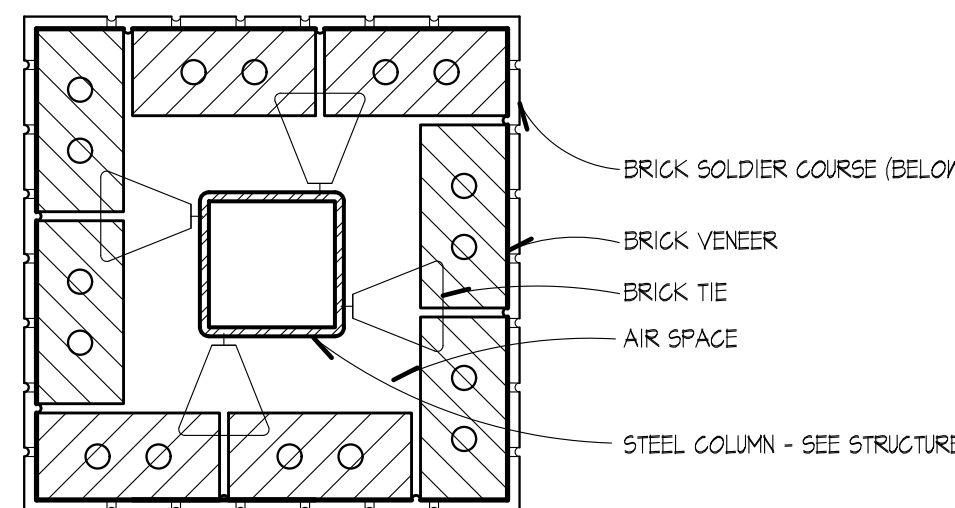
**4 CORNER PLAN DETAIL**  
 A604 SCALE: 1 1/2" = 1'-0"



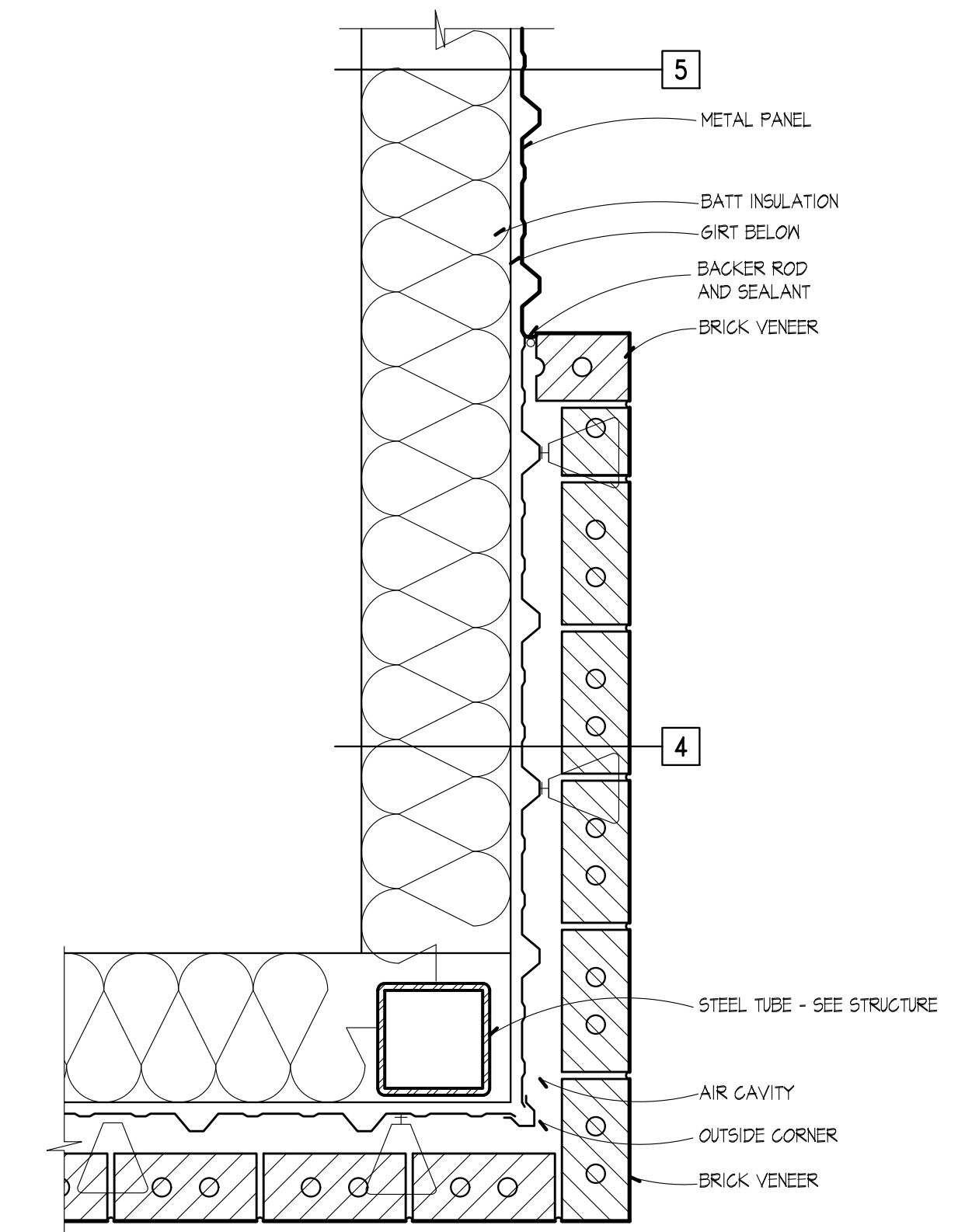
**7 ENLARGED FLOOR PLAN**  
 A604 SCALE: 3/8" = 1'-0"



**5 WALL SECTION DETAIL**  
 A604 SCALE: 3" = 1'-0"



**8 BRICK BASE PLAN DETAIL**  
 A604 SCALE: 1 1/2" = 1'-0"



**9 ENLARGED PLAN DETAIL**  
 A604 SCALE: 3/8" = 1'-0"

**1 NOT USED**  
 A604

**2 NOT USED**  
 A604

**3 NOT USED**  
 A604

**6 NOT USED**  
 A604

**10 NOT USED**  
 A604

SEALS:

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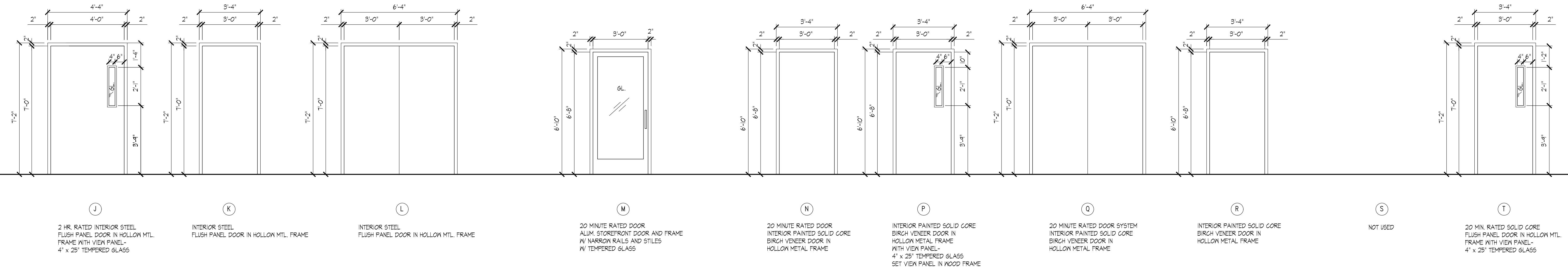
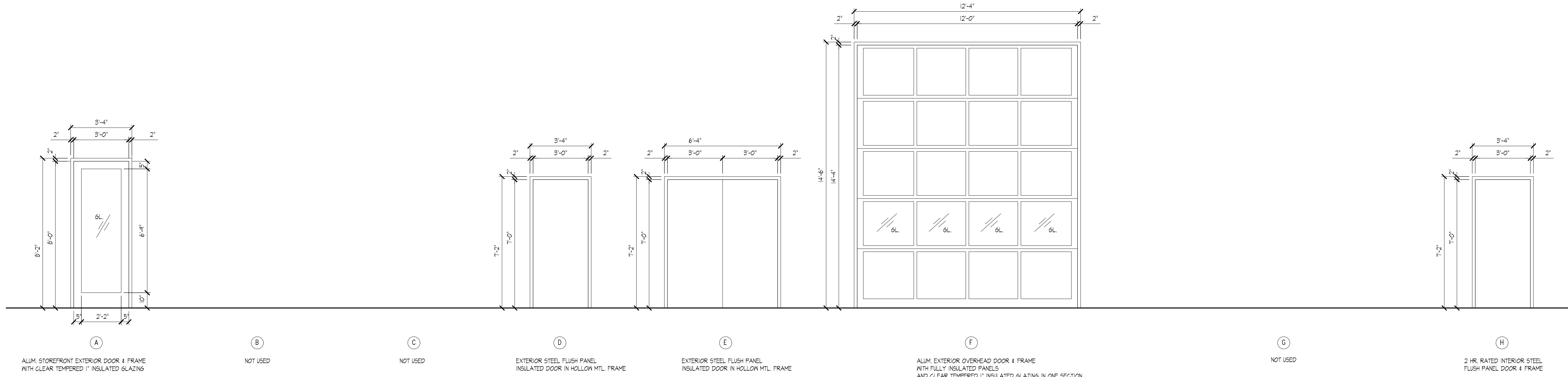
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# DOOR SCHEDULE

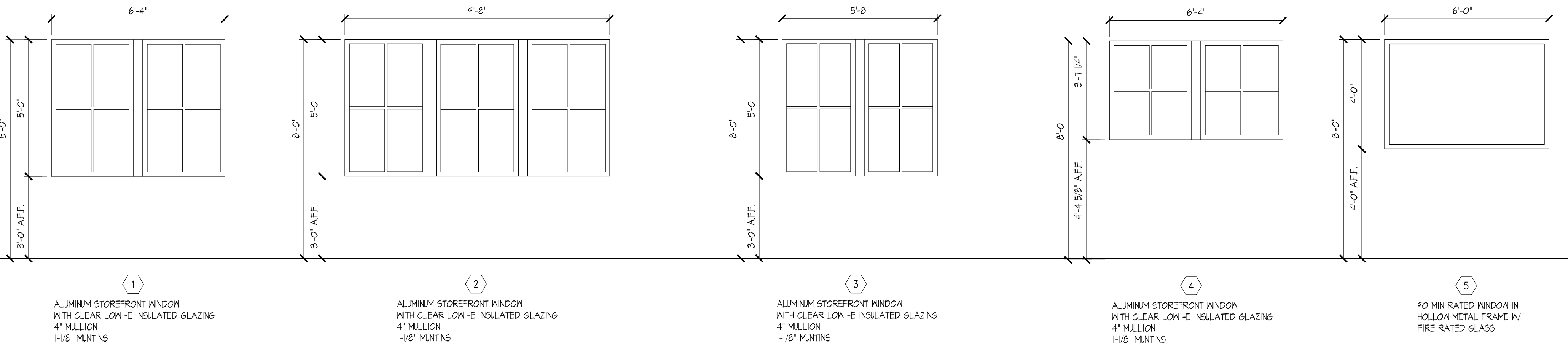
SCALE: 3/8" = 1'-0"



# WINDOW SCHEDULE

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

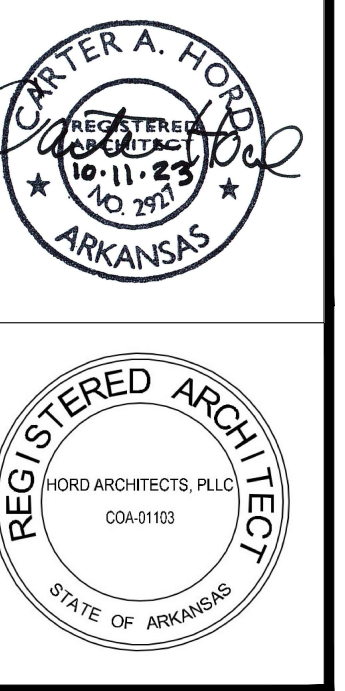
NOTE: ALL WINDOWS SHALL HAVE INSULATED GLASS AND HAVE THERMAL BREAKS.



# HARDWARE SCHEDULE

- SET 1**  
3 HINGES  
1 PANIC DEVICE W/ TRIM  
1 CLOSER  
1 LOCK SET  
1 THRESHOLD  
1 ELECTRONIC FOB LOCKSET W/ EXTERIOR PULL  
1 ELECTRONIC KEYPAD  
1 ENTRY ACCESS LOCKSET  
1 ENTRY ACCESS LOCKSET  
WEATHER STRIPPING
- SET 2**  
3 HINGES  
1 PANIC DEVICE W/ TRIM  
1 CLOSER  
1 THRESHOLD  
1 ELECTRONIC KEYPAD  
1 ELECTRONIC KEYPAD  
1 ENTRY ACCESS LOCKSET W/ EXTERIOR PULL  
1 ENTRY ACCESS LOCKSET  
WEATHERSTRIPPING
- SET 3**  
6 HINGES  
2 CLOSERS  
1 THRESHOLD  
1 ELECTRONIC KEYPAD  
1 ENTRY ACCESS LOCKSET  
1 ENTRY ACCESS LOCKSET  
1 EXTERIOR PULL  
1 WEATHERSTRIPPING
- SET 4**  
2 STEEL TRACK  
1 ELECTRIC OPERATOR MOTOR  
1 INTERIOR ELECTRONIC CONTROL STATION  
1 EXTERIOR KEYPAD  
1 EXTERIOR KEYPAD  
2 END STILE  
BOLT DOOR LOCK  
REVERSE ANGLE JAMB  
WEATHERSTRIPPING  
VINYL HEAD WEATHER SEAL
- SET 5**  
3 HINGES  
1 CLOSER  
1 LOCK SET  
1 SILENCERS  
STOP
- SET 6**  
3 HINGES  
1 CLOSER  
1 ELECTRONIC FOB ACCESS LOCKSET  
1 SILENCERS  
STOP
- SET 7**  
3 HINGES  
1 CLOSER  
1 PRIVACY LATCH W/ COIN OPENER  
1 SILENCERS  
STOP
- SET 8**  
6 HINGES  
1 HEAD & FOOT BOLT LOCK SET  
1 SILENCERS  
STOP
- SET 9**  
3 HINGES  
1 CLOSER  
1 PASSAGE SET  
1 SILENCERS  
STOP
- SET 10**  
3 HINGES  
1 CLOSER  
1 PASSAGE SET  
1 SILENCERS  
STOP
- SET 11**  
NOT USED
- SET 12**  
3 HINGES  
1 LOCKSET  
1 SILENCERS  
STOP
- SET 13**  
3 HINGES  
1 CLOSER  
1 ELECTRONIC FOB ACCESS LOCKSET  
1 PANIC DEVICE W/ TRIM  
1 SILENCERS  
STOP
- SET 14**  
3 HINGES  
1 CLOSER  
1 PANIC DEVICE W/ TRIM  
1 SILENCERS  
STOP
- SET 15**  
3 HINGES  
1 CLOSER  
1 LOCKSET  
1 MAGNETIC HOLD OPEN CONNECTED TO FIRE ALARM  
1 SILENCERS  
STOP
- SET 16**  
3 HINGES  
1 PRIVACY LATCH W/ COIN OPENER  
1 SILENCERS  
STOP
- HARDWARE NOTES:**
- ALL HARDWARE IN RATED ASSEMBLIES SHALL BE RATED HARDWARE.
  - PROVIDE THRESHOLDS AND WEATHERSTRIP KITS FOR EXTERIOR DOORS.
  - COORDINATE KEYING WITH OWNER.
  - PROVIDE QUICK RELEASE KEY NEAR PRIVACY LATCHES AT RESTROOMS.
  - ALL HARDWARE SHALL BE ADA COMPLIANT.
  - ALL STORAGE ROOM DOORS SHALL BE OPERABLE FROM INSIDE.
  - EXTERIOR DOOR SILLS SHALL PROVIDE 1/4" VERTICAL SILL FOR WEATHER-TIGHT SEAL - TYPICAL.

SEALS:



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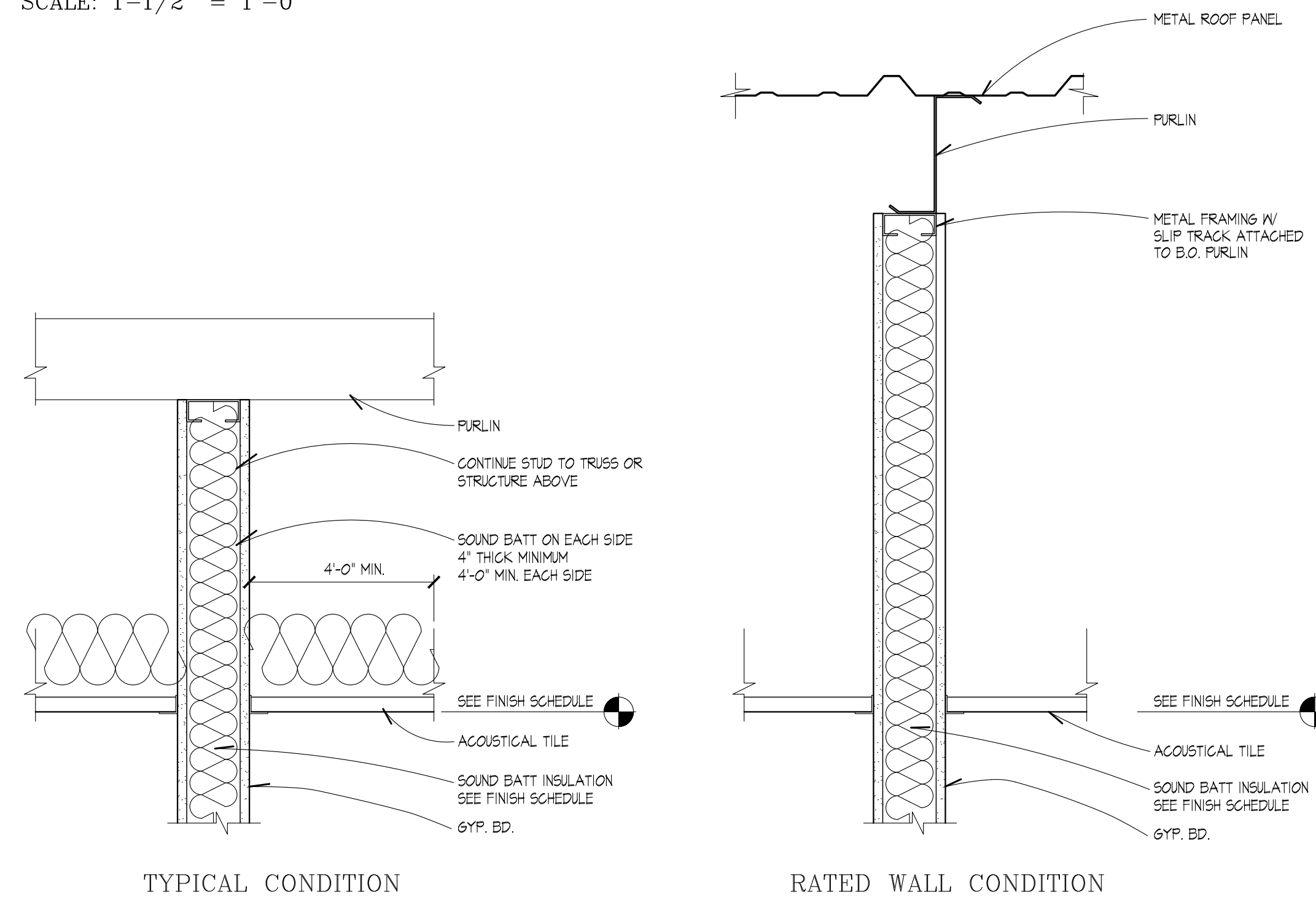
SHEET NO.:  
**A701**

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# SOUND INSULATION DETAILS

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

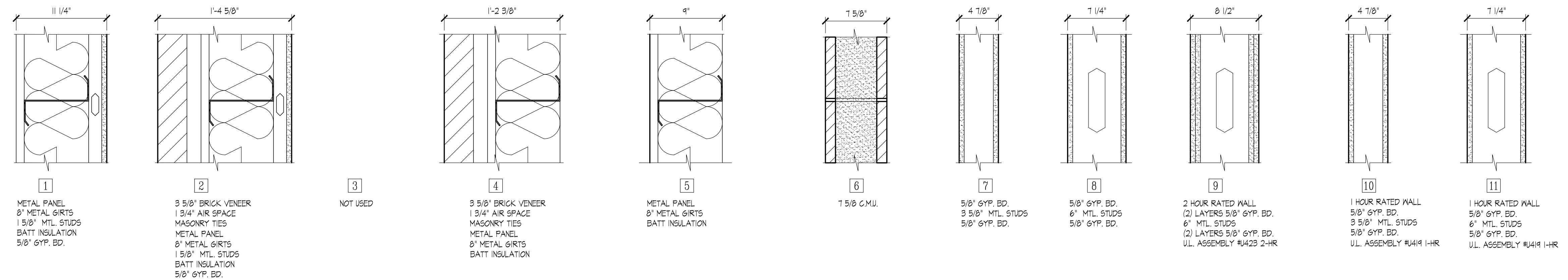


# WALL TYPE SCHEDULE

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

**NOTES:**

- RATED WALLS SHALL EXTEND TO ROOF DECK ABOVE AND BE SEALED FIRE AND SMOKE TIGHT - TYPICAL.
- PROVIDE SOUND BATT INSULATION WHERE REQUIRED IN THE FINISH SCHEDULE. SEE DETAILS THIS SHEET.



# FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WAINSCOT	WALLS	CEILING	CLG. HGT.	NOTES
101	DAYROOM	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	
102	KITCHEN	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	
103	WOMEN'S BEDRM	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTE #1
104	DECONTAM. LAUNDRY	SEALED CONG.	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	
105	LAUNDRY	SEALED CONG.	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	8'-0"	
106	MECHANICAL	SEALED CONG.	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	8'-0"	SEE NOTE #1
107	BLANKROOM	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTE #1
108	MENS	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTES #1 & #2
109	WOMEN'S	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTES #1 & #2
	NOT USED							
111	STORAGE ROOM	SEALED CONG.	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	8'-0"	
112	JANITOR CLOSET	SEALED CONG.	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	8'-0"	
113	MECHANICAL	SEALED CONG.	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTE #1
114	WORKOUT ROOM	RUBBER TILE	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	
115	MEDICAL STORAGE	SEALED CONG.	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	8'-0"	
116	MENS	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTES #1 & #2
117	WOMEN'S	CERAMIC TILE	CERAMIC TILE	CERAMIC TILE	PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTES #1 & #2
118	CAPTAIN'S OFFICE	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTE #1
119	ASSISTANT CHIEF	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTE #1
120	SPRINKLER RISER	SEALED CONG.						VARIES
121	CHIEF CLOSET	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTE #1
122	FIRE CHIEF'S OFFICE	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	4'-0"	SEE NOTE #1
	NOT USED							
124	TRUCK BAY	SEALED CONG.	-		-	-		VARIES
125	ELECTRICAL ROOM	SEALED CONG.	-		CMU	-	8'-4"	PROVIDE RUBBER BASE AT GYP. BD. WALLS
126	LAWN MOWER	SEALED CONG.	-		CMU	-	8'-4"	
127	HOSE ROOM	SEALED CONG.	RUBBER BASE		CMU	-	8'-4"	
128	WORK ROOM	SEALED CONG.	RUBBER BASE		CMU	-	8'-4"	
129	CORRIDOR	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	8'-0"	
129A	CORRIDOR	LVT	RUBBER BASE		PAINTED GYPSUM BOARD	ACOUSTIC LAY IN	8'-0"	
	NOT USED							
201	STAIRS	RUBBER TREADS	RUBBER BASE		-	-		VARIES
202	MEZZANINE	SEALED CONG.	RUBBER BASE		-	-		VARIES

- NOTES:**
- SOUND INSULATED WALLS
  - SEE ALTERNATE NO. 4

SEALS:

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DRAWN BY: EI  
CHECKED BY: CAH  
DATE: 10-11-2023  
REVISIONS:

SHEET NO.:  
**A702**



**STRUCTURAL NOTES**

**GENERAL NOTES**

- 1. THE CONTRACTOR SHALL THOROUGHLY REVIEW ALL CONTRACT DOCUMENTS AND INFORM THE ARCHITECT OF CONFLICTS OR DISCREPANCIES PRIOR TO BIDDING, FABRICATION, AND CONSTRUCTION.
2. IN CASES OF DISCREPANCIES IN DIMENSIONS AND ELEVATIONS BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION.
...
11. ONCE SHOP DRAWINGS HAVE BEEN REVIEWED, DO NOT ADD REINFORCING OR INFORMATION TO PREVIOUSLY SUBMITTED SHEETS FOR SUBSEQUENT SUBMITTALS UNLESS SHOP DRAWINGS ARE BEING RESUBMITTED AFTER BEING RETURNED "NOT REVIEWED".

**CONCRETE NOTES**

**CONCRETE REINFORCEMENT**

- 1. CONCRETE REINFORCEMENT SUPPLIER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION.
2. ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
3. PROVIDE THE FOLLOWING PROTECTIVE COVERING FOR ALL REINFORCING BARS UNLESS DETAILED OR NOTED OTHERWISE.
SLAB-ON-GRADE BARS (BOTTOM) 3" CLEAR
BELOW GRADE (CAST AGAINST EARTH) 3" CLEAR
BELOW GRADE (FORM EDGE) 2" CLEAR
WALLS 2" CLEAR
...
11. REINFORCING BARS MARKED AS CONTINUOUS SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICES ONLY.

Table with 5 columns: SIZE, 3000 PSI CLASS B TOP, 3000 PSI CLASS B OTHER, 4000 PSI CLASS B TOP, 4000 PSI CLASS B OTHER. Rows include #3, #4, #5, #6 with corresponding dimensions.

**CAST-IN-PLACE CONCRETE**

- 1. CONCRETE SUPPLIER SHALL SUBMIT CONCRETE MIX DESIGN DATA TO THE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION.
2. CONCRETE SHALL HAVE AT LEAST THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS:
A. FOOTINGS AND GRADE BEAMS 3000 PSI
B. REINFORCED CMU AND BOND BEAM FILL (SEE MASONRY NOTES) 4000 PSI
C. SLAB-ON-GRADE, PEDESTALS, WALLS, AND PILASTERS 4000 PSI
D. ELEVATED SLABS, BEAMS, AND JOISTS 4000 PSI
E. STAIR LANDINGS AND STAIR TREADS 3000 PSI
...
7. ALL CONCRETE EXPOSED TO WEATHER SHALL CONTAIN 5.5% AIR ENTRAINMENT (±1.5%). DO NOT EXCEED 3% AIR CONTENT IN CONCRETE RECEIVING A STEEL TROWEL FINISH.

**MASONRY NOTES**

- 1. ALL CONCRETE MASONRY UNITS (CMU) SHALL COMPLY WITH ASTM C90, GRADE N, TYPE I, STANDARD WEIGHT UNITS SHALL BE USED BELOW FINISHED FLOOR OR BELOW FINISHED GRADE (OR BELOW FINISHED FLOOR FOR STEM WALLS WITH SLAB ABOVE) AND LIGHTWEIGHT UNITS SHALL BE USED ABOVE GRADE. SIZES SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS.
2. TYPE S MORTAR SHALL BE USED BELOW GRADE AND TYPE N MORTAR SHALL BE USED ABOVE GRADE WITH AN ALLOWABLE COMPRESSIVE STRENGTH OF AT LEAST 1800 PSI FOR TYPE S AND 750 PSI FOR TYPE N. MIX MORTAR WITH TYPE I PORTLAND CEMENT (TYPE II) MAY BE USED FOR COLD WEATHER CONSTRUCTION), HYDRATED LIME MEETING ASTM C207 AND AGGREGATE MEETING ASTM C144.
...
11. BOND BEAMS WITH (2)#5 CONTINUOUS HORIZONTAL BARS SHALL BE PLACED AT A MAXIMUM SPACING OF 4'-0" ON CENTER VERTICALLY TO PROVIDE THE HORIZONTAL REINFORCING REQUIRED BY THE BUILDING CODE.

**METAL NOTES**

**STRUCTURAL STEEL FRAMING**

- 1. STRUCTURAL STEEL SUPPLIER SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
2. ALL STRUCTURAL STEEL SHAPES SHALL BE AS FOLLOWS:
A. ALL WIDE FLANGE STRUCTURAL STEEL SHAPES SHALL BE ASTM A992.
B. SQUARE OR RECTANGULAR HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500, GRADE C, Fy = 50 KSI.
C. ROUND HOLLOW STRUCTURAL SECTIONS SHALL BE ASTM A500, GRADE B, Fy = 42 KSI.
D. ROUND STEEL PIPES SHALL BE ASTM A53, GRADE B, Fy = 35 KSI.
E. ALL OTHER STRUCTURAL STEEL (CHANNELS, ANGLES, PLATES, ETC.) SHALL BE ASTM A36.
...
12. ALL STRUCTURAL STEEL EXPOSED TO WEATHER (SUCH AS MECHANICAL FRAMES) SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.

**COLD-FORMED METAL FRAMING**

- 1. COLD-FORMED METAL FRAMING SUPPLIER SHALL SUBMIT SHOP DRAWINGS PREPARED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
2. SHOP DRAWINGS SHALL DETAIL A COMPLETE SYSTEM SHOWING MEMBER SIZES, SPACING, AND CONNECTIONS TO THE STRUCTURE.
3. ALL STRUCTURAL STUDS, TRACK, BRIDGING, END CLOSURES, AND ACCESSORIES SHALL BE FORMED FROM STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A653/A653M.
...
11. FLOOR DECKING SHALL BE 3/4", STURD-I-FLOOR, C-D INT-APA RATED PLYWOOD WITH EXTERIOR GLUE (SPAN INDEX 24"o.c.). ATTACHMENT SHALL BE WITH #8x1" FLAT HEAD, SHARP POINT, SELF DRILLING SCREWS AT 6" ON CENTER AT SUPPORTED EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS.

**STRUCTURAL PANELS**

- 1. FLOOR DECKING SHALL BE 3/4", STURD-I-FLOOR, C-D INT-APA RATED PLYWOOD WITH EXTERIOR GLUE (SPAN INDEX 24"o.c.). ATTACHMENT SHALL BE WITH #8x1" FLAT HEAD, SHARP POINT, SELF DRILLING SCREWS AT 6" ON CENTER AT SUPPORTED EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS.

**LINTEL SCHEDULE**

Table with 5 columns: WALL TYPE, UP TO 4'-0" OPENING, 4'-1" TO 6'-4" OPENING, 6'-5" TO 8'-4" OPENING, 8'-9" TO 9'-8" OPENING. Rows include 4" VENEER, 8" or 12" BLOCK.

- 1. LINTEL SCHEDULE APPLIES UNLESS NOTED OR DETAILED OTHERWISE
2. 8" BEARING @ EA END, MINIMUM
3. USE 3.000PSI CONCRETE IN LINTEL BLOCKS
4. FILL CELLS BELOW LINTEL BEARING W/ CONCRETE FULL HEIGHT. PROVIDE (1)#4 VERTICAL BAR IN EA CELL.
...
6. AT 16" HIGH BOND BEAMS USE THE FOLLOWING ADDITIONAL BARS

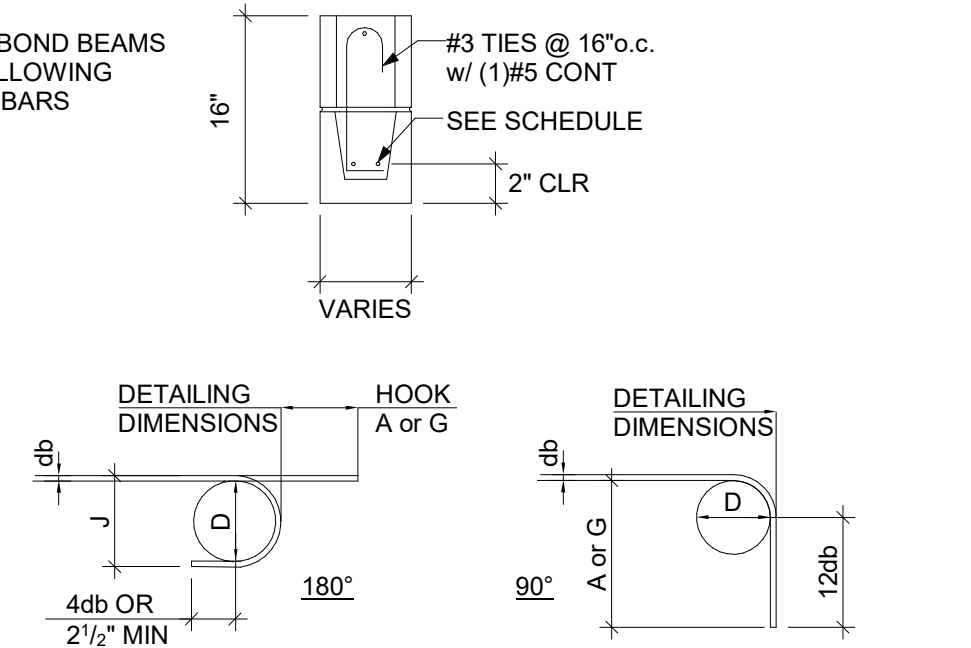


Table titled 'RECOMMENDED END HOOKS, ALL GRADES'. Columns: BAR SIZE, FINISHED BEND DIA. D, IN., 180 DEG. HOOKS A or G, IN., 90 DEG. HOOKS A or G, IN. Rows include #3, #4, #5, #6 with dimensions for different hook configurations.

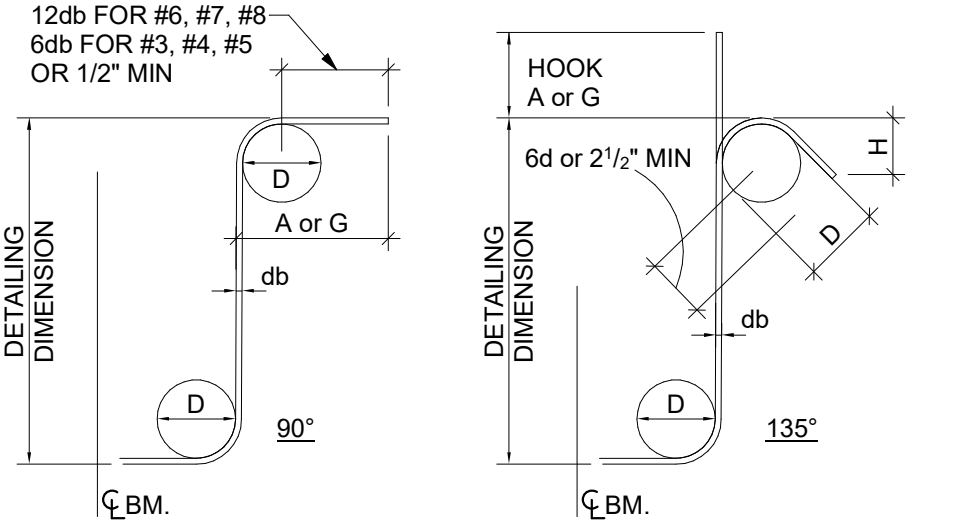


Table titled 'REBAR BEND DETAIL'. Columns: BAR SIZE, FINISHED BEND DIA. D, IN., 90° HOOKS A or G, IN., 180° HOOKS A or G, IN., 135° HOOKS A or G, IN. Rows include #3, #4, #5, #6 with dimensions for different hook configurations.

**REBAR BEND DETAIL**

**PRE-ENGINEERED METAL BUILDING**

- 1. METAL BUILDING MANUFACTURER SHALL PROVIDE CALCULATIONS AND SHOP DRAWINGS SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATION.
2. METAL BUILDING SHOP DRAWINGS WILL NOT BE REVIEWED IF THE LAYOUT DOES NOT FOLLOW THE LAYOUT PROPOSED IN THE CONTRACT DRAWINGS AND IF ANY DEVIATIONS FROM THE PROPOSED LAYOUT ARE NOT CLEARLY MARKED ON THE SHOP DRAWINGS OR APPROVED IN WRITING PRIOR TO SUBMITTAL.
...
13. ALL ANCHOR RODS SHALL BE ASTM F1554, GRADE 36 UNLESS NOTED OTHERWISE.

**DESIGN LOADS:**

Table listing various design loads and their values: DEAD LOADS (20 PSF), ROOF LIVE LOAD (20 PSF), FLOOR LIVE LOAD (100 PSF), GROUND SNOW LOAD (10 PSF), WIND RISK CATEGORY (III), WIND EXPOSURE (C), INTERNAL PRESSURE COEFFICIENT (0.18), SEISMIC IMPORTANCE FACTOR (I: 1.25), SEISMIC RISK CATEGORY (III), MAPPED SPECTRAL RESPONSE ACCELERATIONS (Ss: 1.95, S1: 0.68, Sds: 1.56, Sd1: 0.77), SITE CLASS (D), BASIC SEISMIC-FORCE RESISTING SYSTEM (MOMENT RESISTING FRAME SYSTEM), DESIGN BASE SHEAR (0.39W), SEISMIC RESPONSE COEFFICIENT (Cr: 4.5), RESPONSE MODIFICATION FACTOR (EQUIV. LATERAL FORCE), ANALYSIS PROCEDURE (2021 ARKANSAS FIRE PREVENTION CODE), CODES (A.C.A. 12-80-101 ET. SEQ.).

**PRE-ENGINEERED METAL BUILDING DESIGN LOADS:**

Table listing design loads for pre-engineered metal buildings: ROOF DEAD LOAD (ACTUAL WEIGHT OF THE STRUCTURE), COLLATERAL LOAD (5 PSF MINIMUM COLLATERAL DEAD LOAD), ROOF LIVE LOAD (20 PSF (PURLINS AND FRAMES)), SNOW LOAD ((SEE DESIGN LOADS ABOVE)), WIND LOAD ((SEE DESIGN LOADS ABOVE)), SEISMIC LOAD ((SEE DESIGN LOADS ABOVE)), CODE (2021 INTERNATIONAL BUILDING CODE).

SEAL:



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PROPOSED: TRUMANN FIRE STATION 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02
DRAWN BY: SBW
CHECKED BY: LCF
DATE: 10-11-23
REVISIONS:

SHEET NO.:

S101

NOTE SHEET





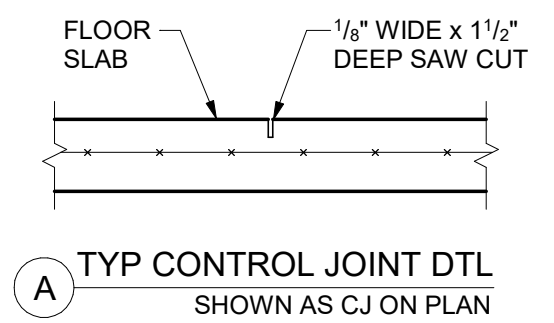
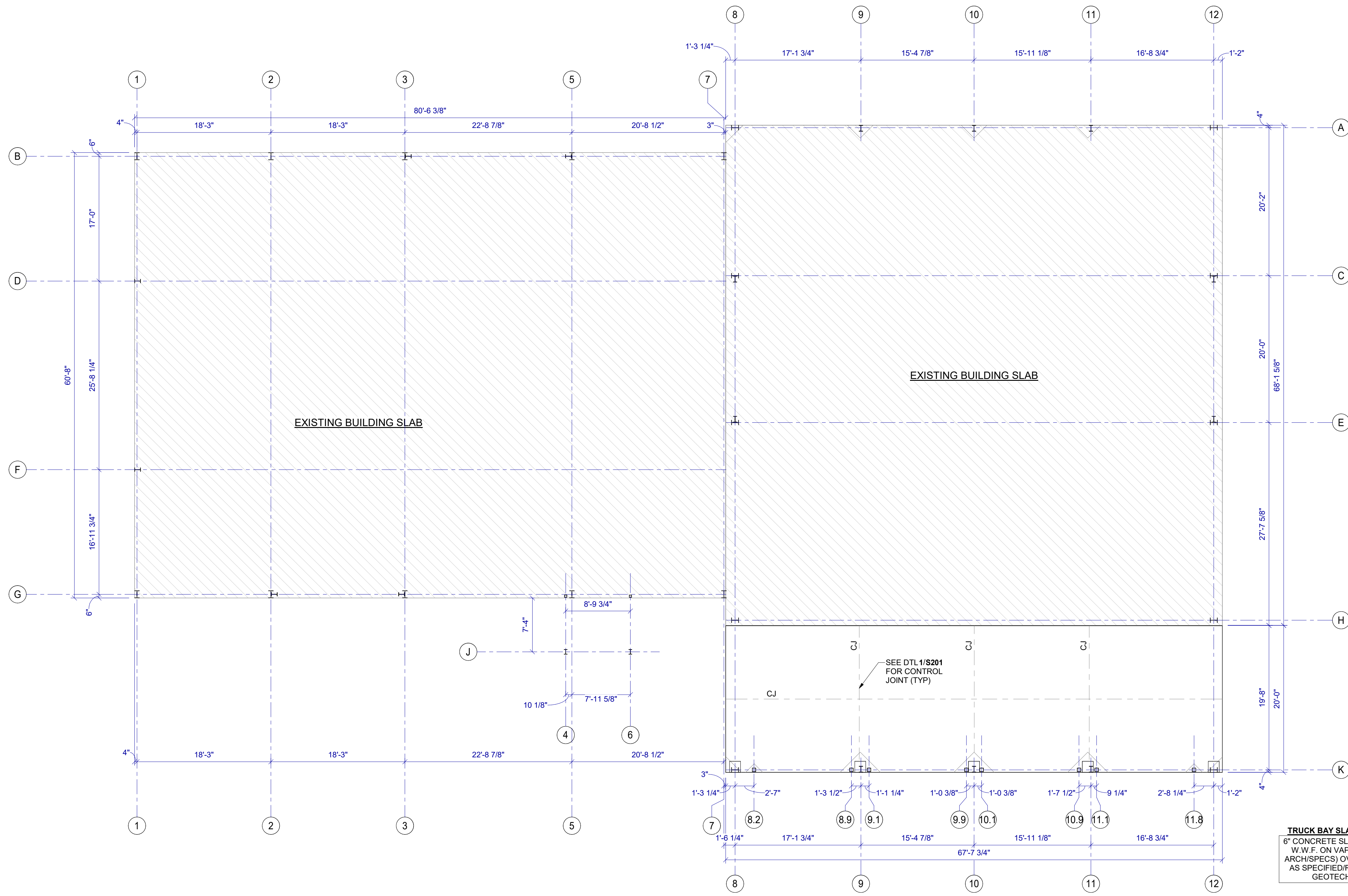
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**TRUMANN FIRE STATION**  
801 WEST MAIN ST, TRUMANN, AR 72472

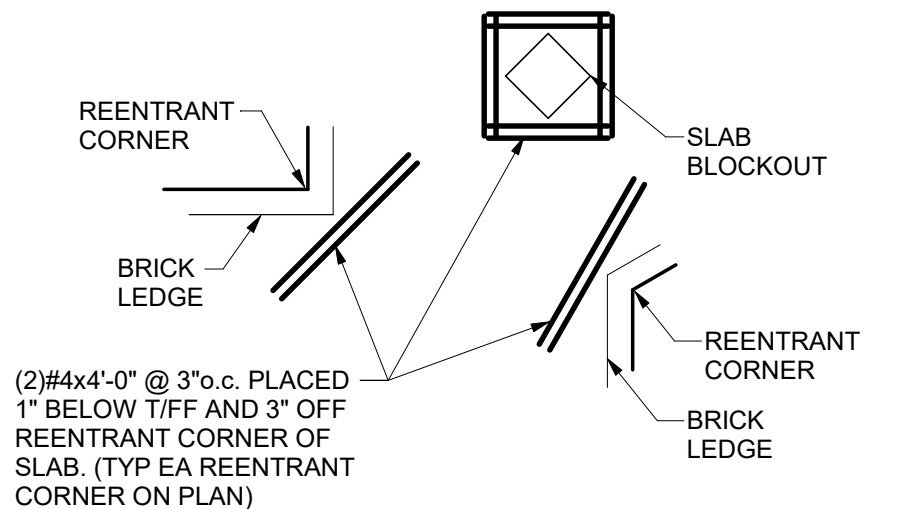
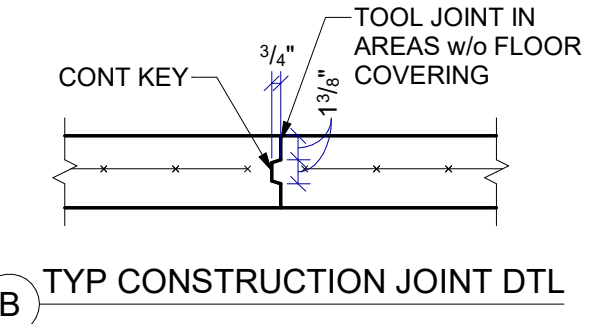
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DRAWN BY: SBW  
CHECKED BY: LCF  
DATE: 10-11-23  
REVISIONS:

SHEET NO.:

S201

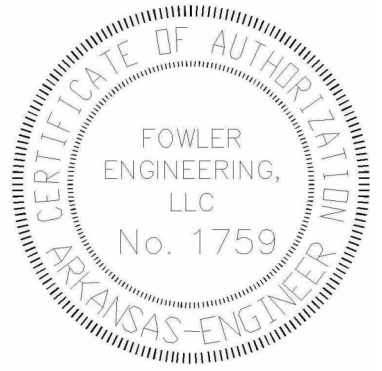


CONTRACTOR IS RESPONSIBLE FOR JOINTS CRACKING AS SHOWN ON PLAN AND DETAIL. SAWING JOINTS SHALL BEGIN AS SOON AS THE SURFACE IS FIRM ENOUGH SO THAT IT WILL NOT BE TORN OR DAMAGED BY THE BLADE. SLABS MUST BE SAWN ON SAME DAY SLAB IS POURED. DO NOT ALLOW SLAB TO CURE OVERNIGHT BEFORE SAWING.



**TRUCK BAY SLAB CONSTRUCTION**  
6" CONCRETE SLAB w/ 6x6-W2 9xW2 9 W.W.F. ON VAPOR BARRIER (SEE ARCH/SPECS) OVER GRANULAR FILL AS SPECIFIED/RECOMMENDED BY GEOTECH. ENGINEER.

**P1** SLAB DIMENSION & JOINTING PLAN  
1/8" = 1'-0"



SEAL:

**FOWLER ENGINEERING, LLC**  
 STRUCTURAL ENGINEERING CONSULTANTS  
 1989 Oak Tree Cove, Suite A  
 Herndon, MS 38632 | 662-469-9371

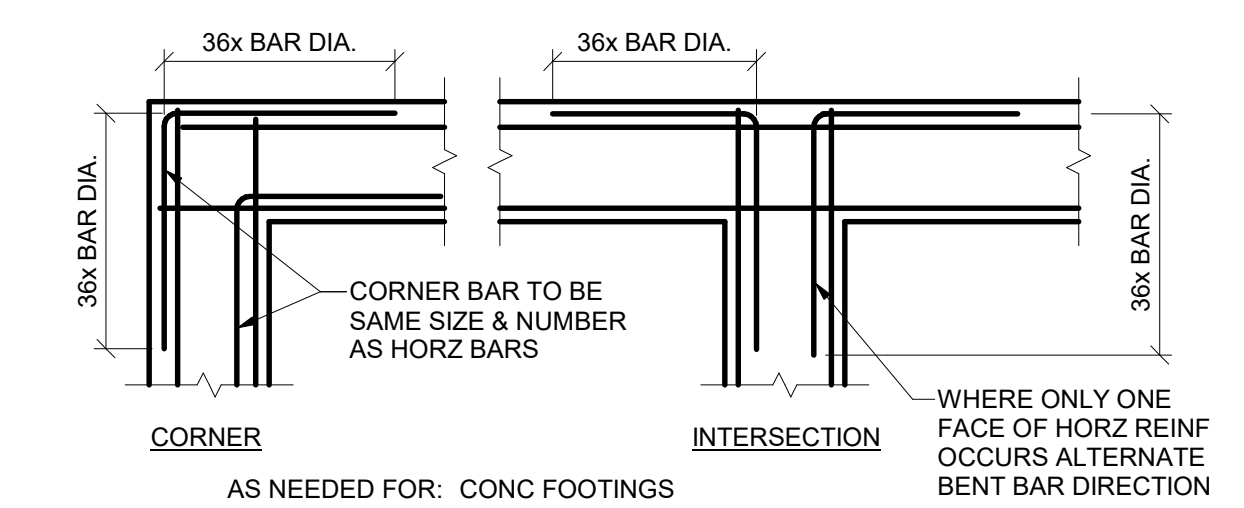


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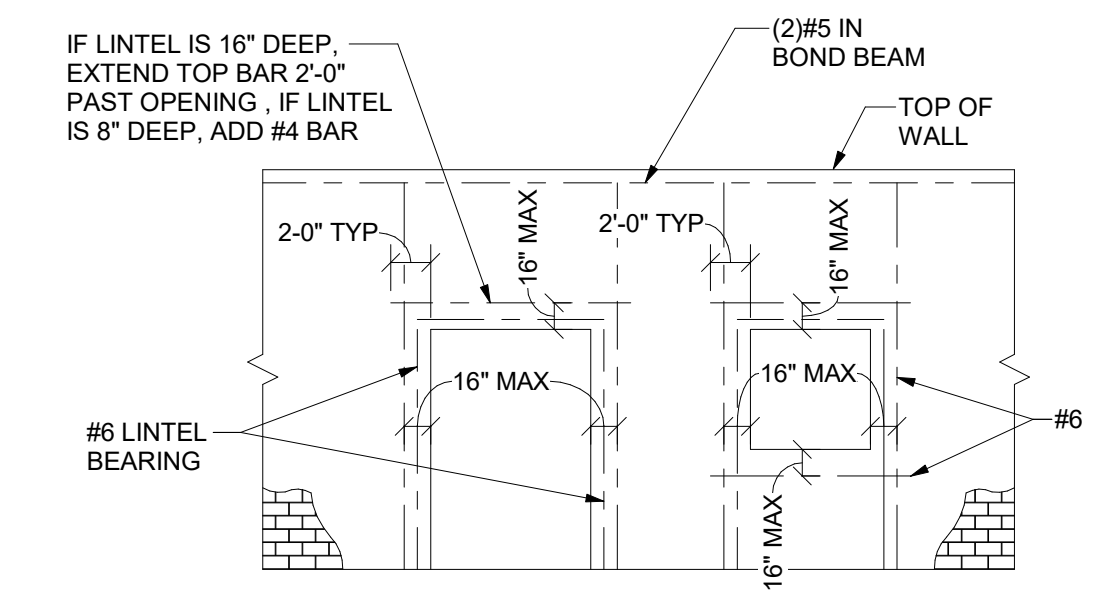
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**TRUMANN FIRE STATION**  
 801 WEST MAIN ST, TRUMANN, AR 72472

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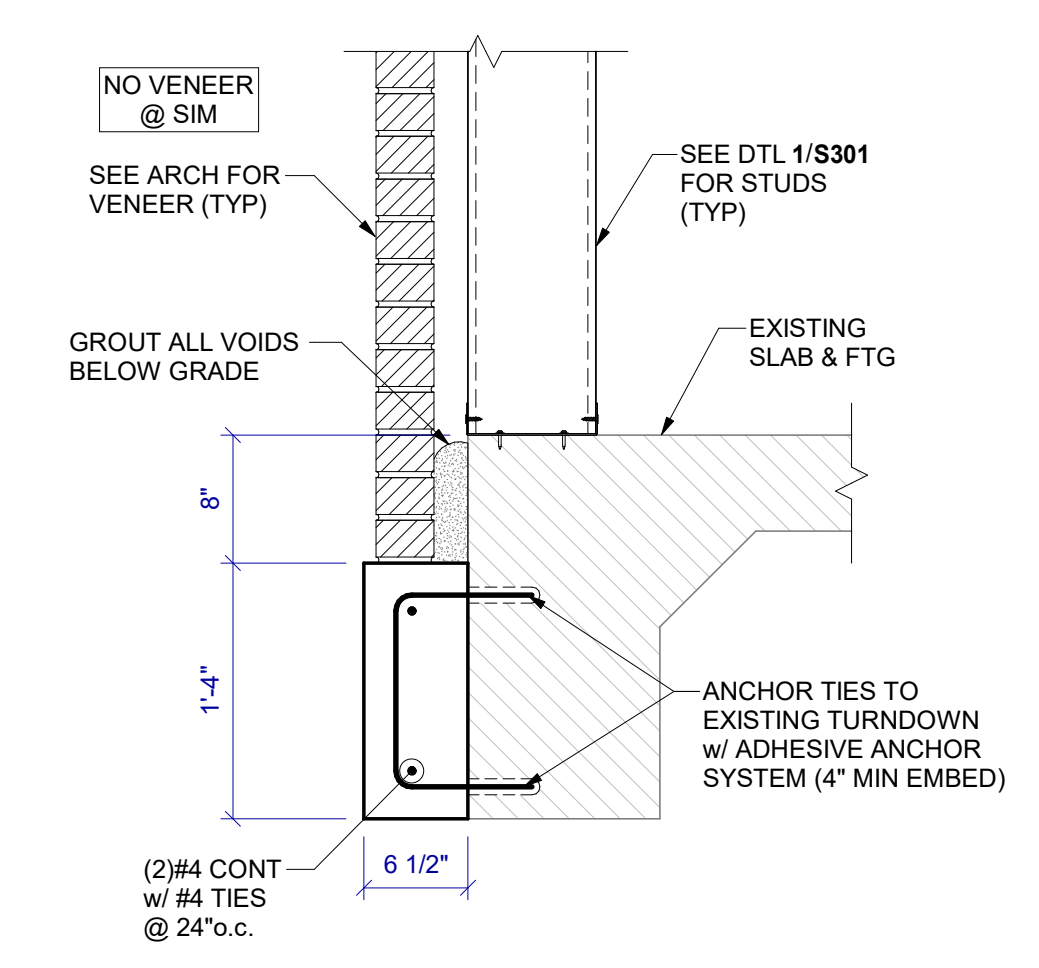
SHEET NO.:  
**S202**



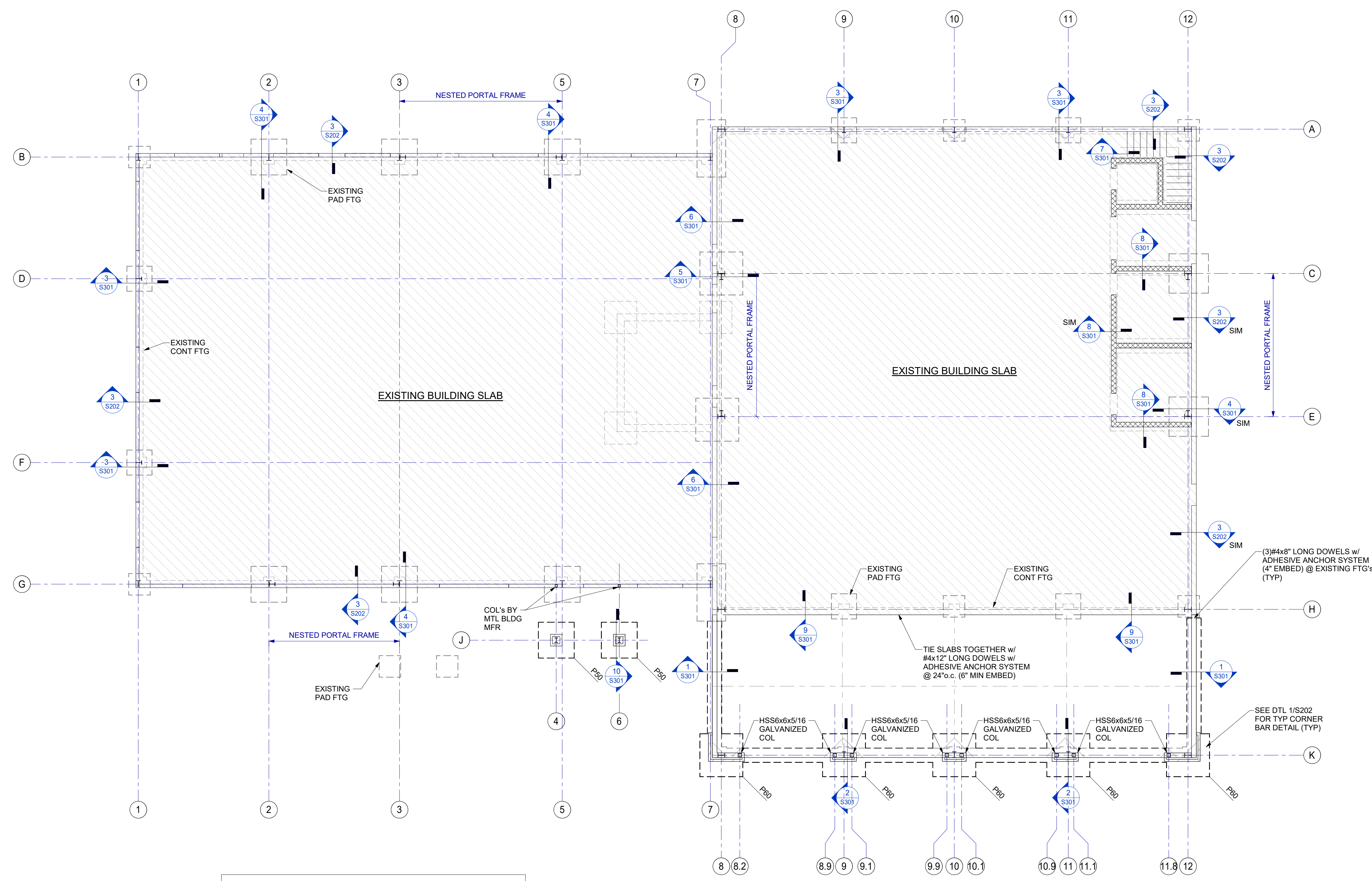
**1 TYP CORNER BAR PLAN DTL**  
NTS



**2 REINF FOR WALL OPENINGS**  
NTS



**3 SECTION**  
1" = 1'-0"



PAD FOOTING SCHEDULE					
MARK	"W"	"L"	"T"	REINFORCING	REMARKS
P50	5'-0"	5'-0"	1'-0"	(6)#6 EA WAY	TOP & BOT
P60	6'-0"	6'-0"	1'-0"	(8)#6 EA WAY	TOP & BOT

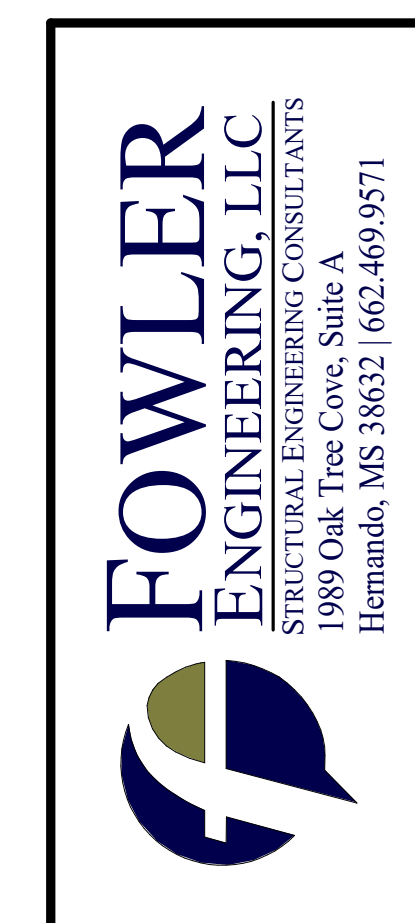
**P1 FOUNDATION PLAN**  
1/8" = 1'-0"

NOT FOR CONSTRUCTION

**FOUNDATION PLAN**



SEAL:

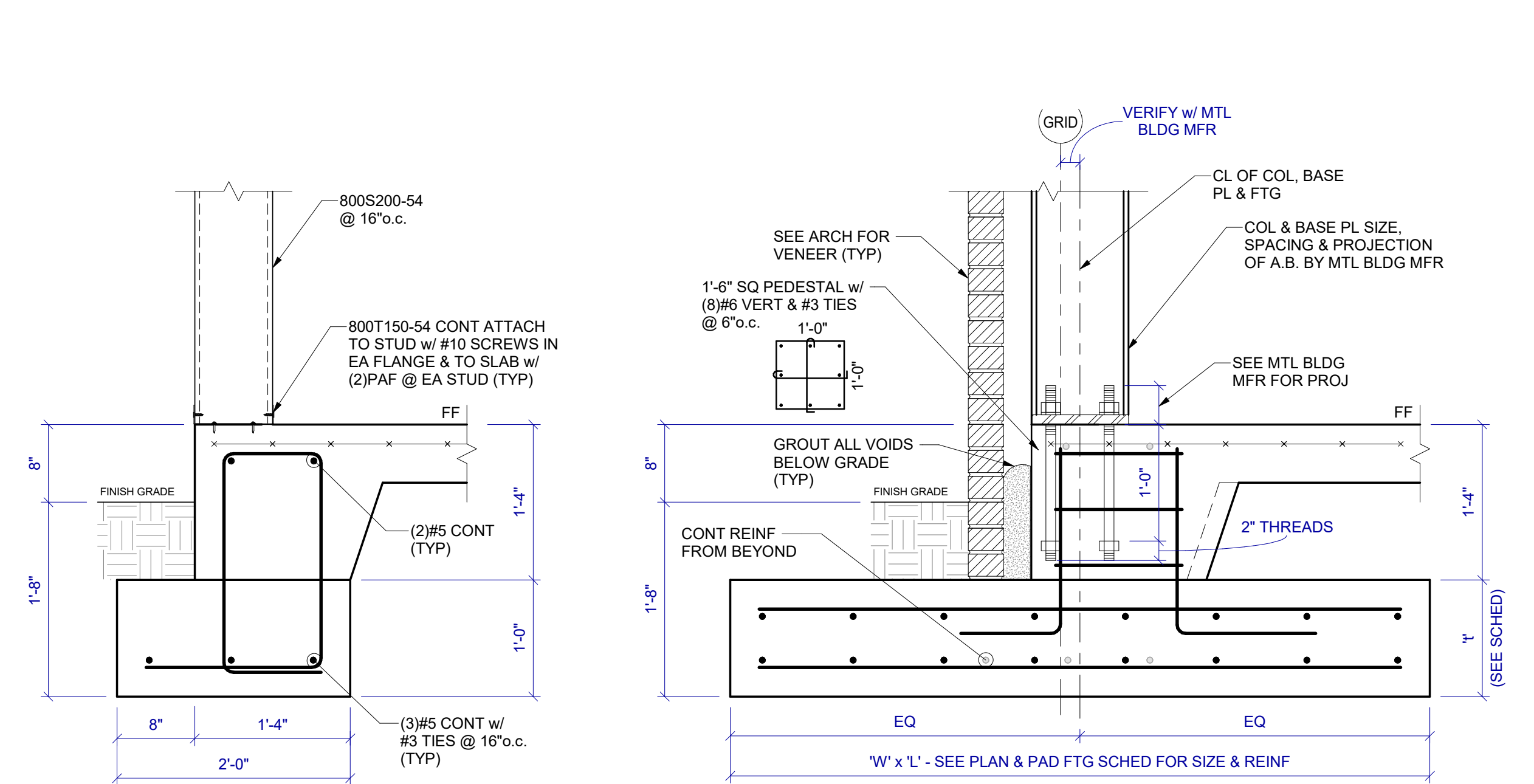


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**TRUMANN FIRE STATION**  
801 WEST MAIN ST, TRUMANN, AR 72472

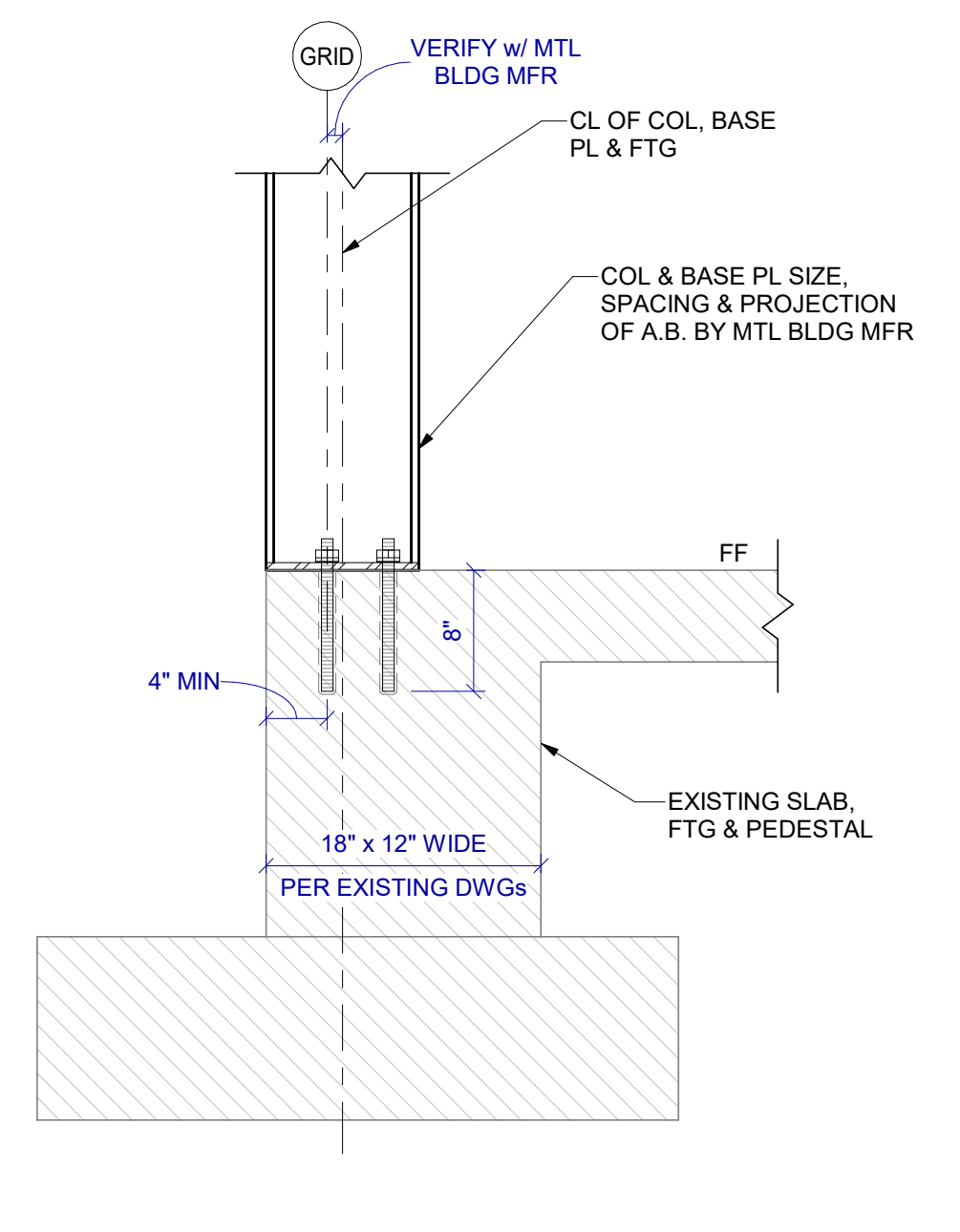
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DRAWN BY: SBW  
CHECKED BY: LCF  
DATE: 10-11-23  
REVISIONS:

SHEET NO.:  
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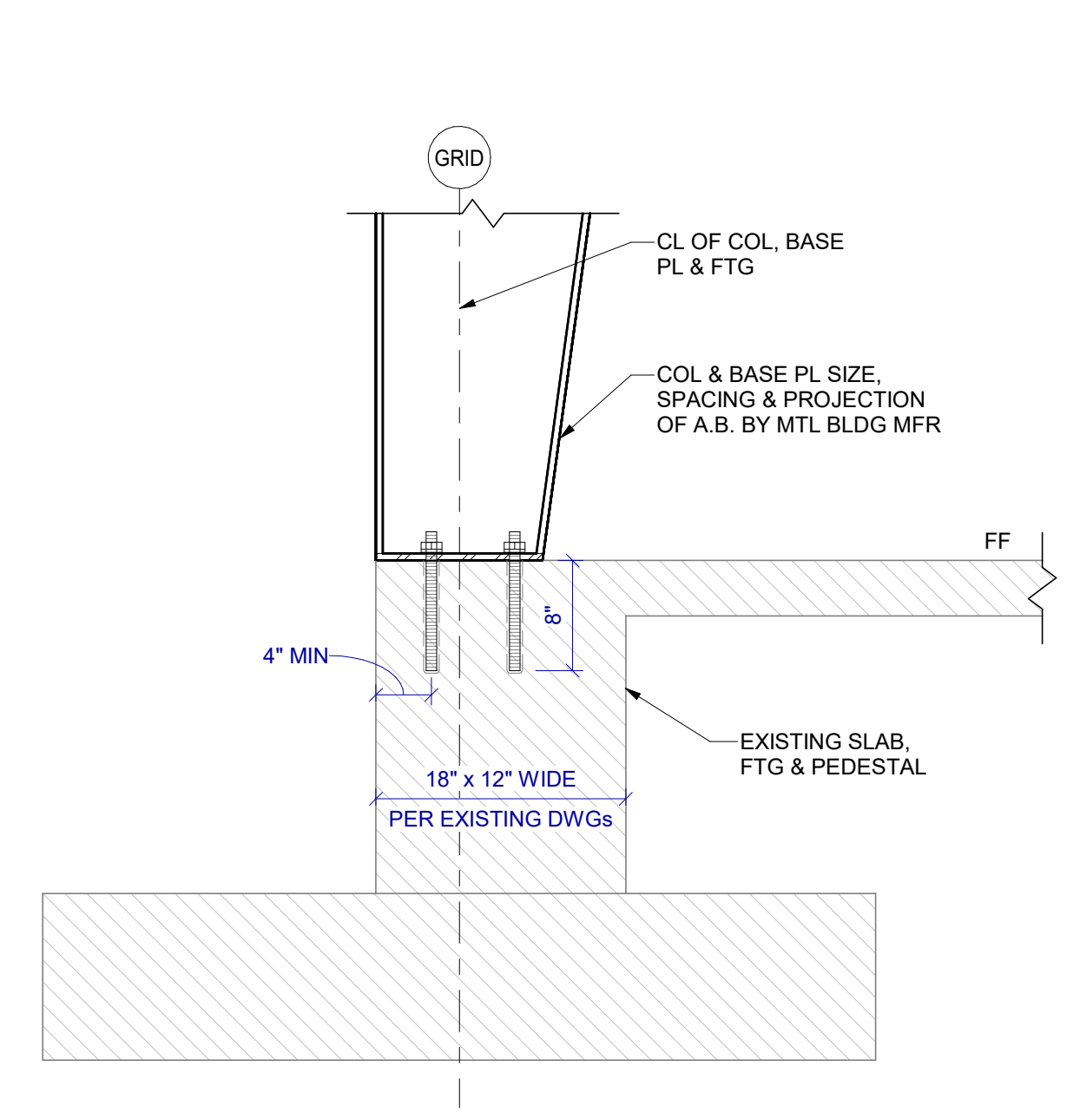


**1 SECTION**  
1" = 1'-0"

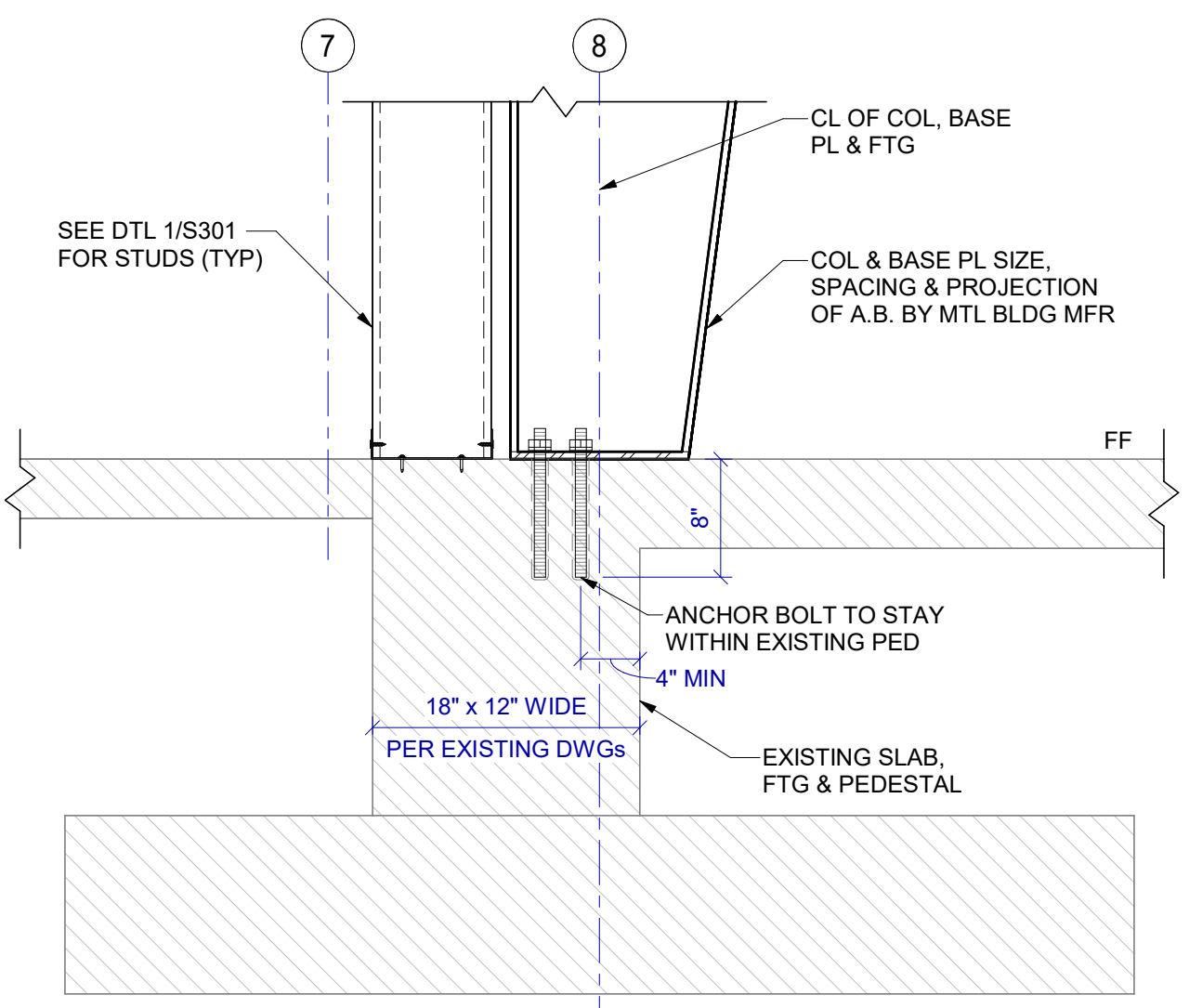
**2 SECTION**  
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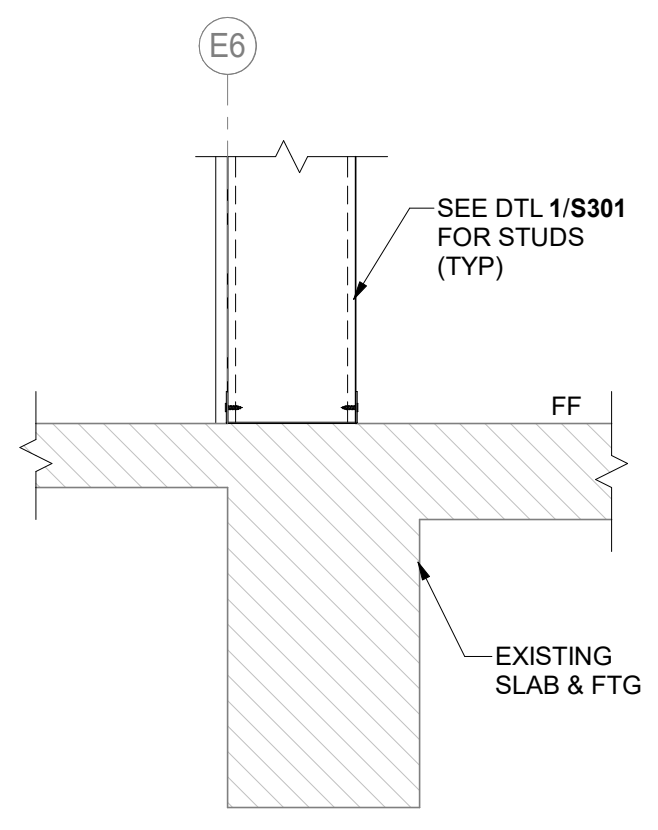
**3 SECTION**  
1" = 1'-0"



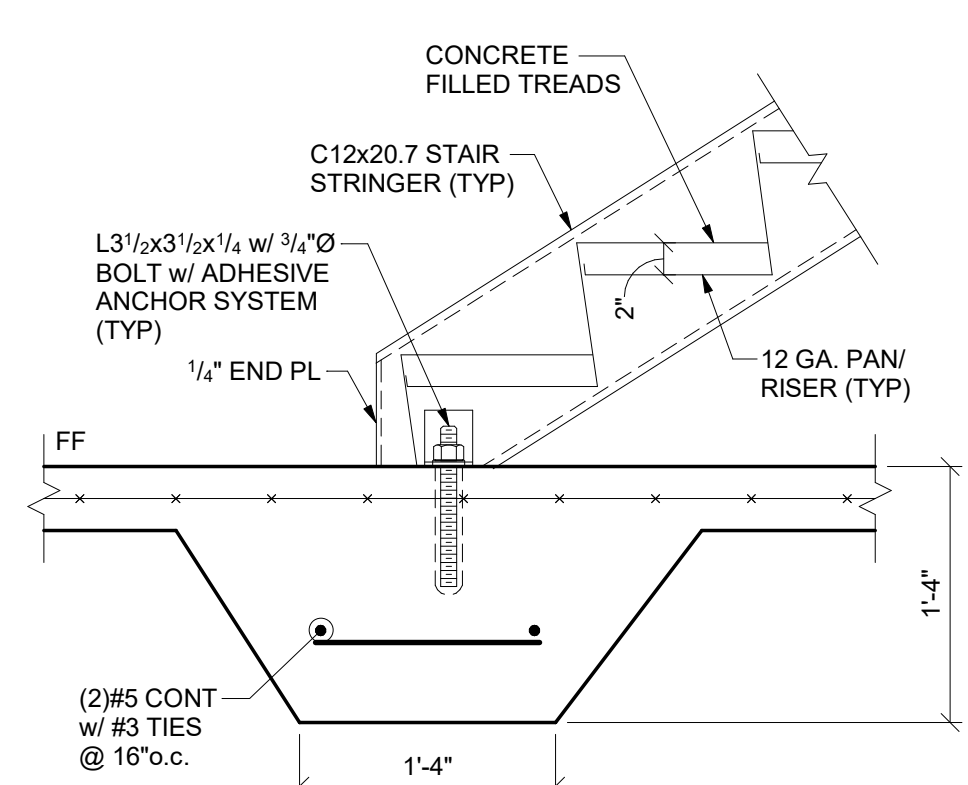
**4 SECTION**  
1" = 1'-0"



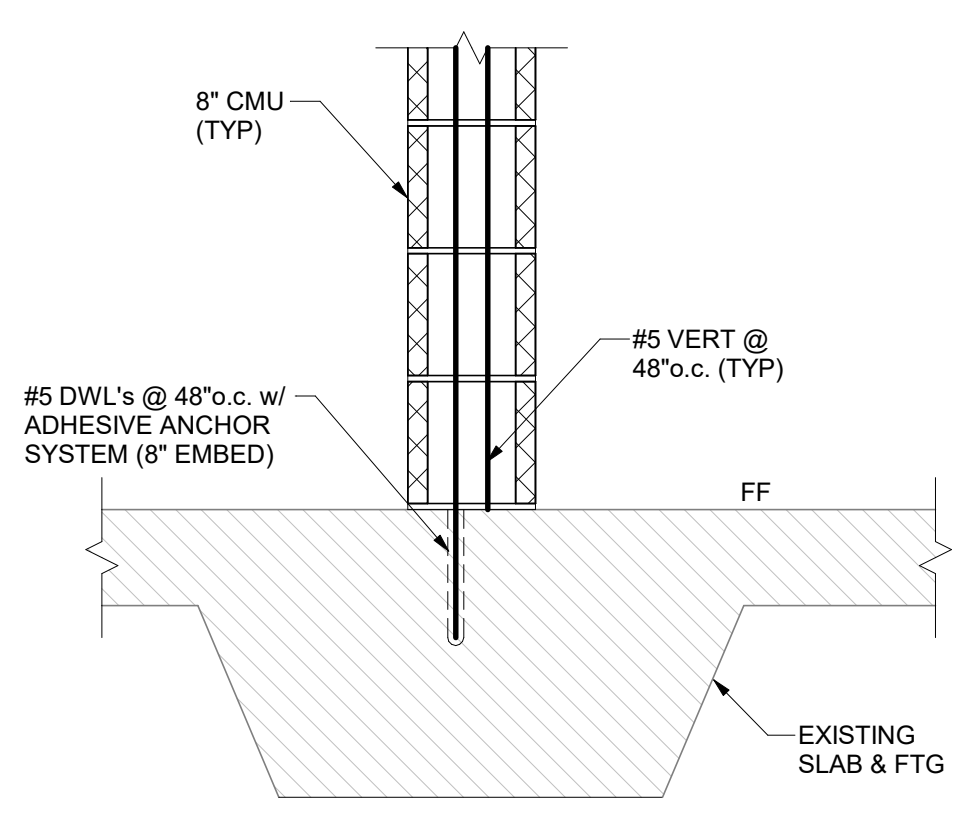
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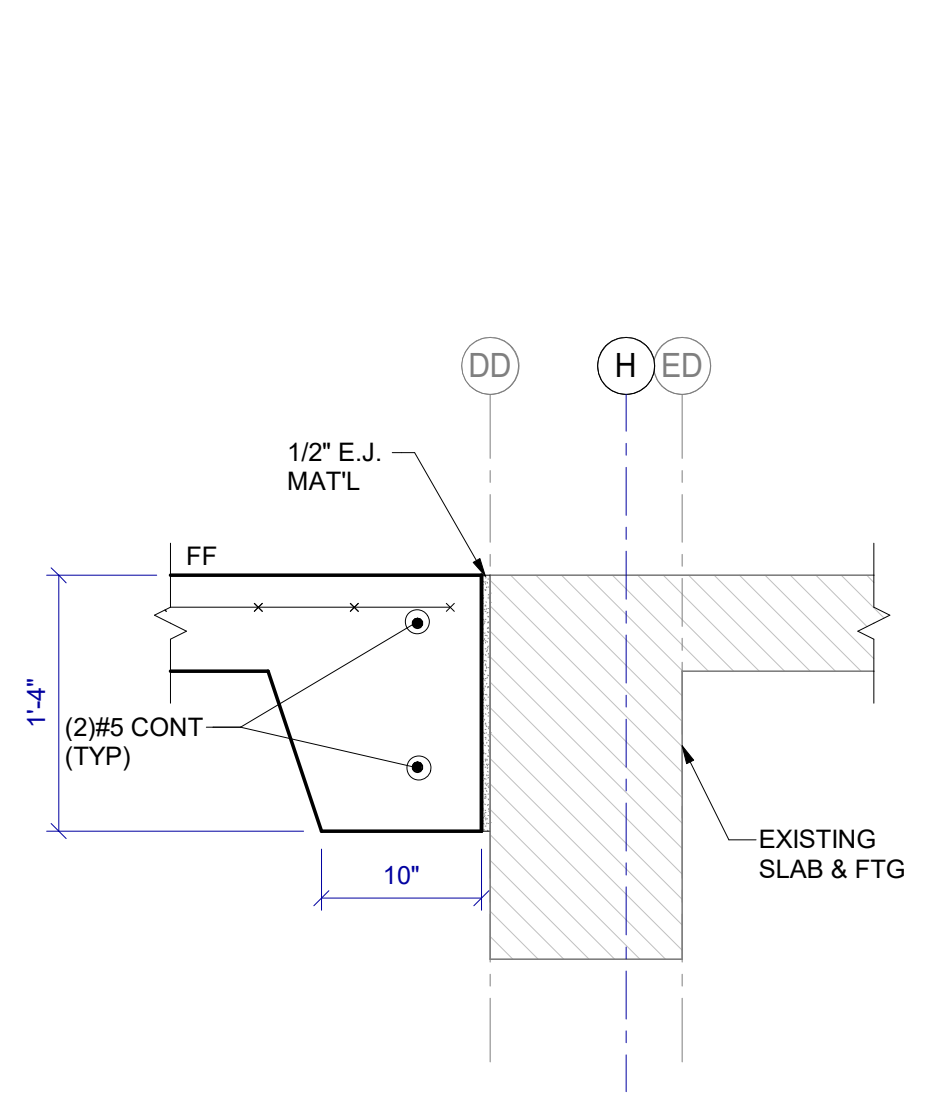
**6 SECTION**  
1" = 1'-0"



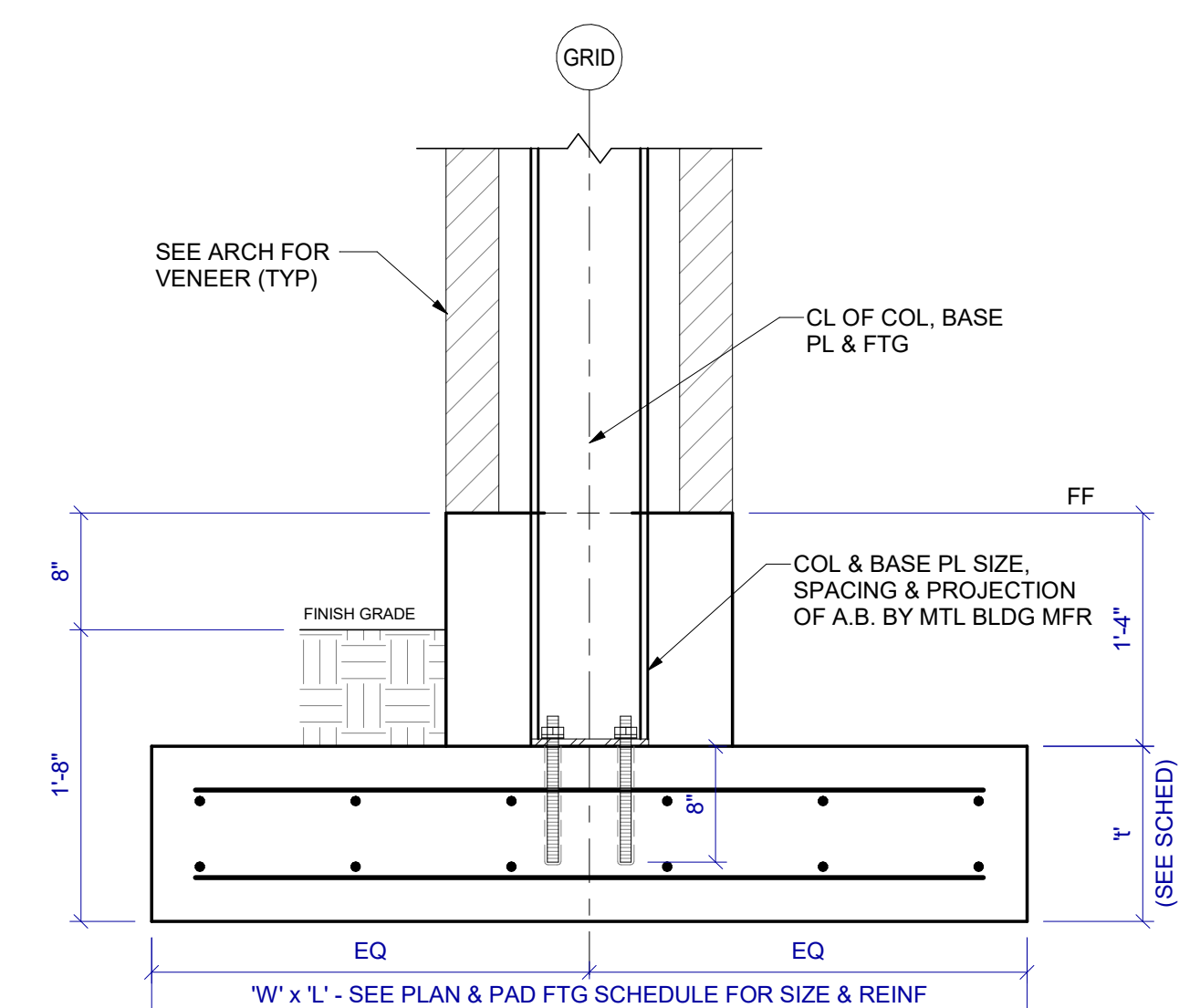
**7 TYPICAL STAIR DETAIL**  
1" = 1'-0"



**8 SECTION**  
1" = 1'-0"



**9 SECTION**  
1" = 1'-0"



**10 SECTION**  
1" = 1'-0"

FOUNDATION DETAILS

SEAL:

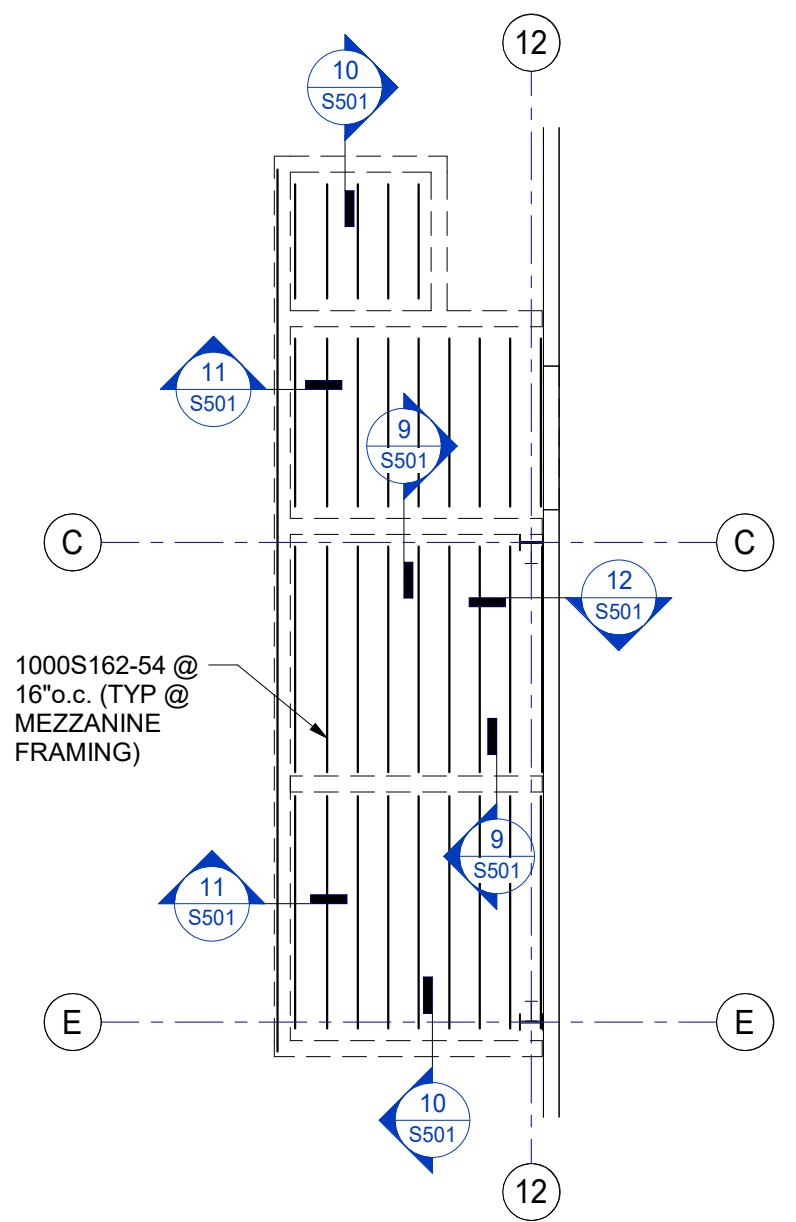


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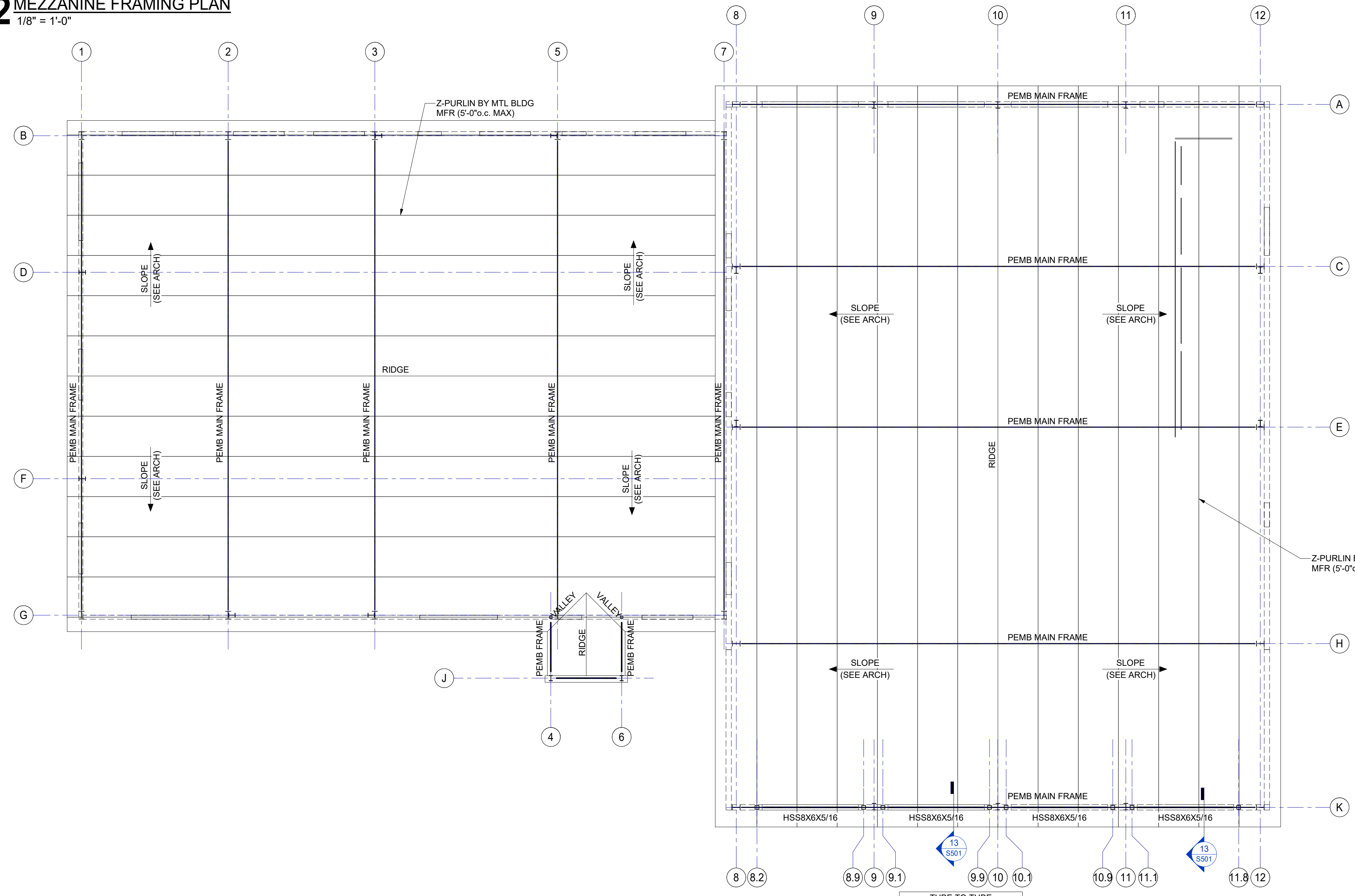
PROPOSED:  
**TRUMANN FIRE STATION**  
801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
DRAWN BY: SBW  
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DATE: 10-11-23  
REVISIONS:

SHEET NO.:  
**S401**

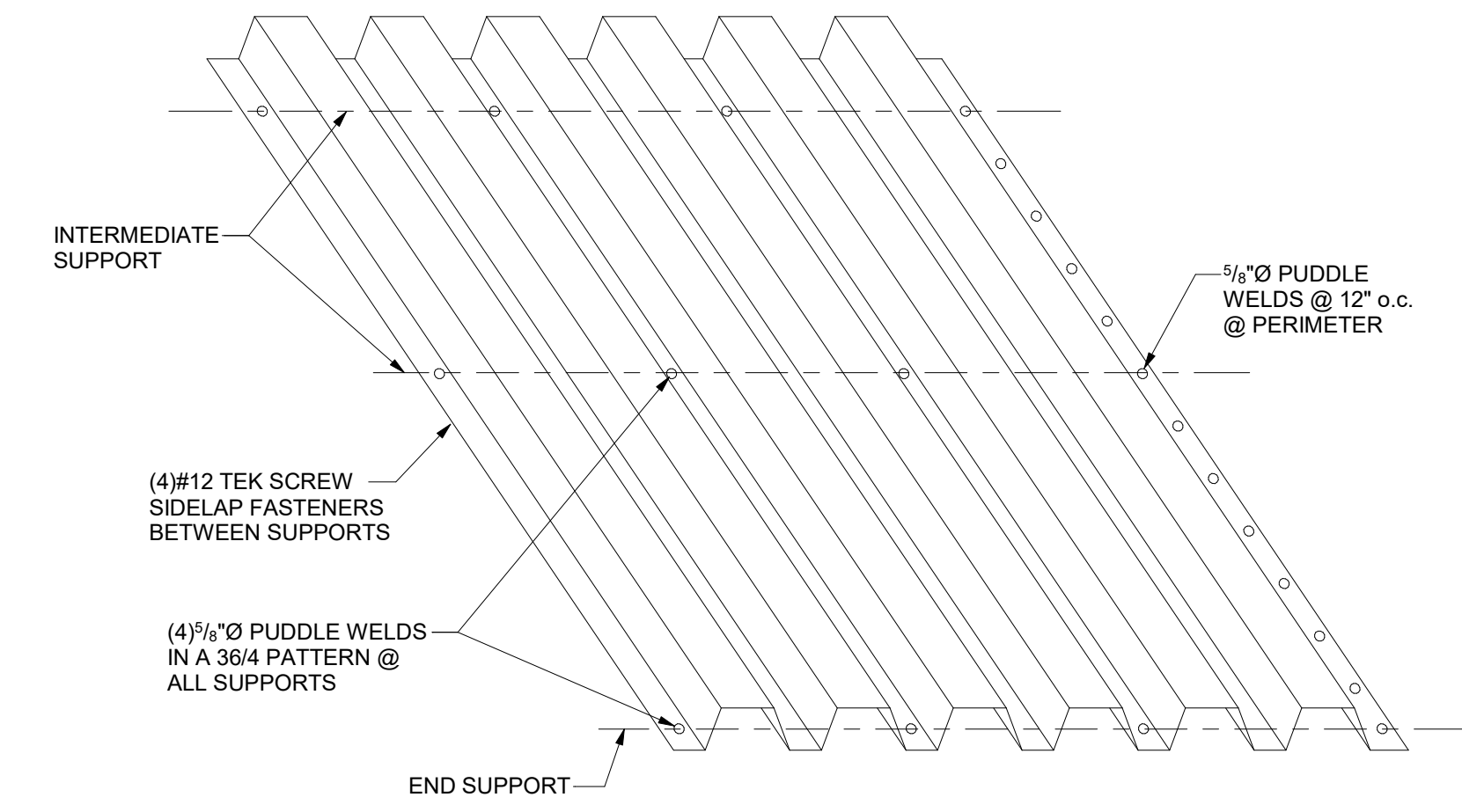


**P2 MEZZANINE FRAMING PLAN**  
1/8" = 1'-0"

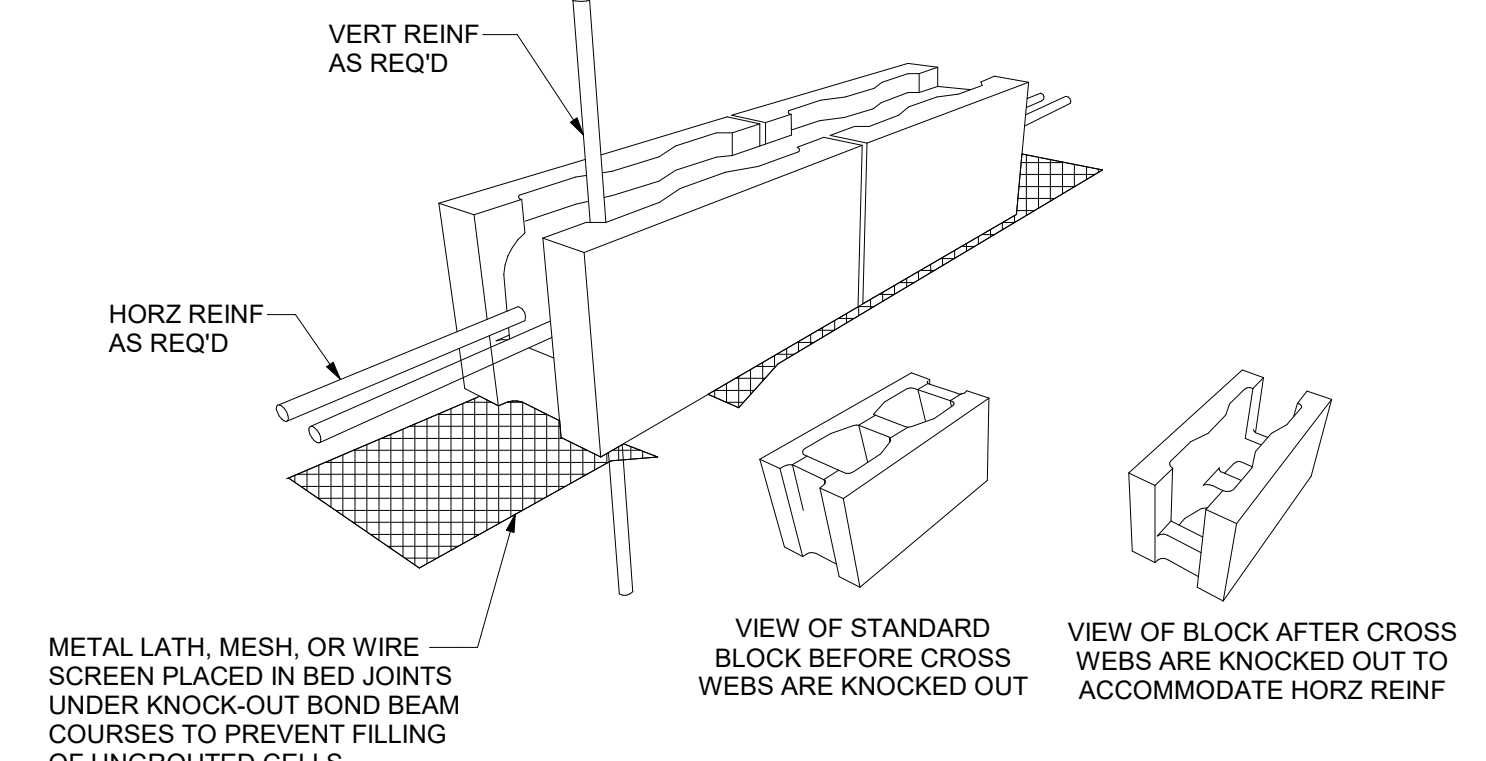


**P1 ROOF FRAMING PLAN**  
1/8" = 1'-0"

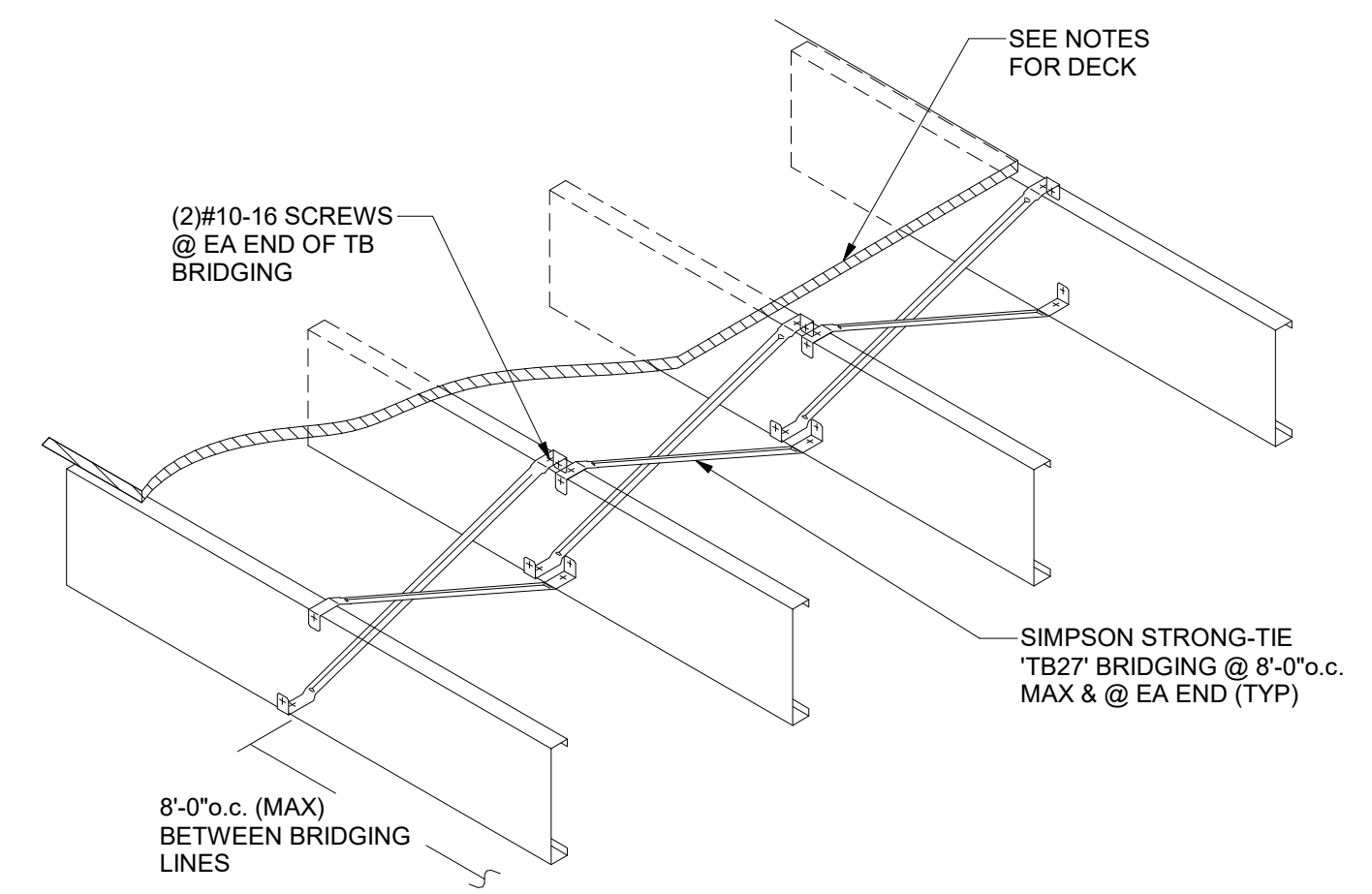
TUBE TO TUBE CONNECTIONS SHALL BE BEVEL WELDS ALL AROUND



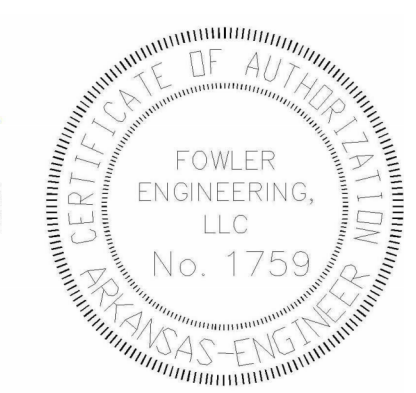
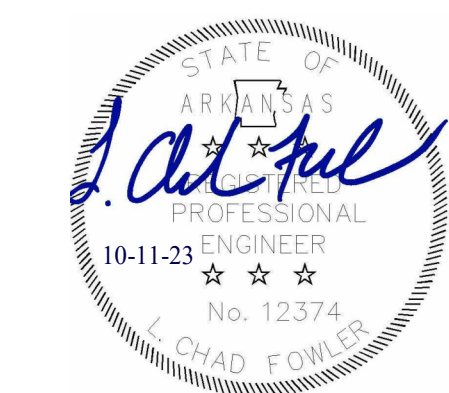
**1 ROOF DECK ATTACHMENT**  
NTS



**2 TYP KNOCKOUT BOND BEAM**  
NTS

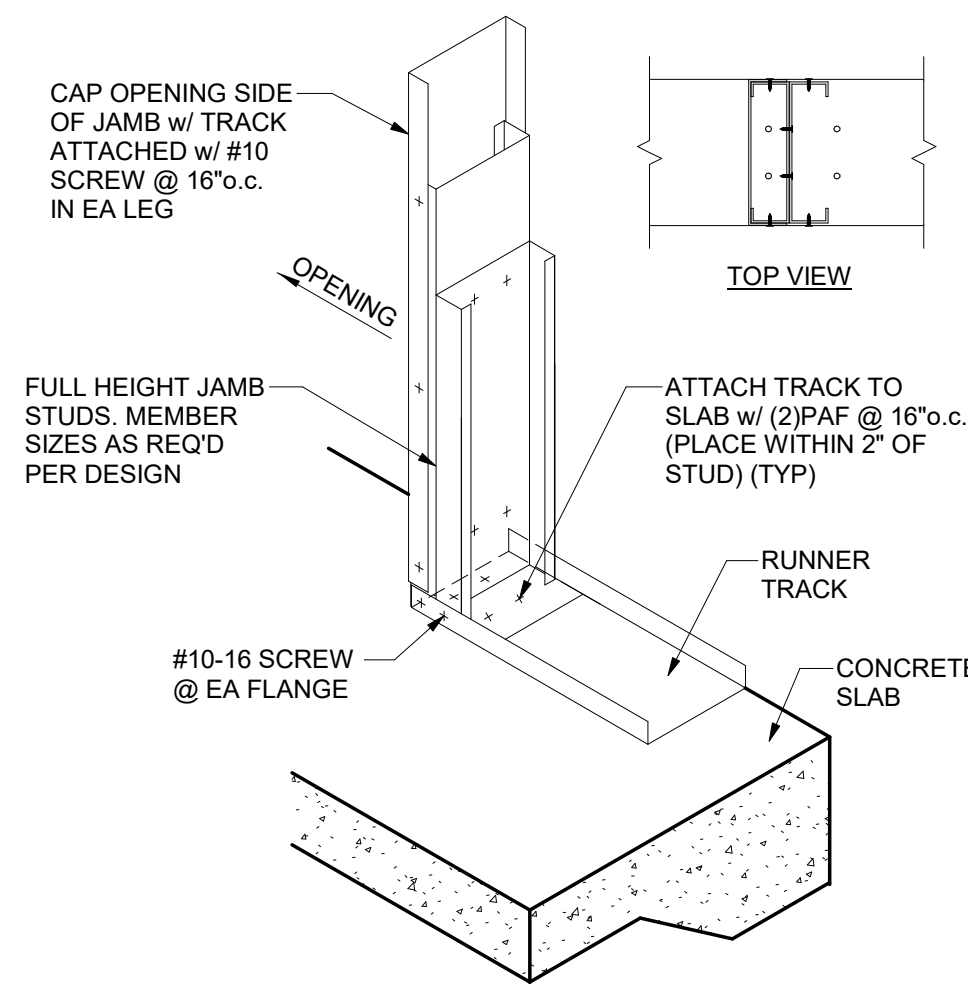


**3 TYPICAL JOIST BRIDGING DTL**  
NTS

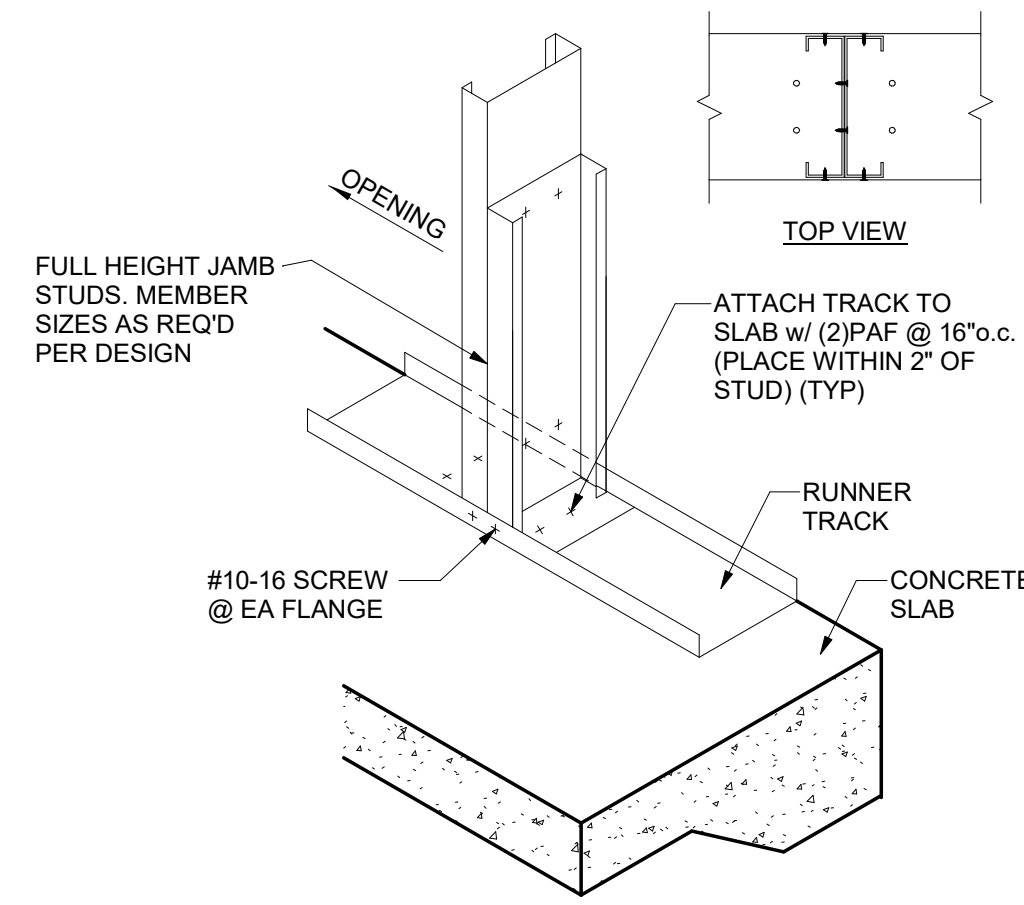


**ROOF FRAMING PLAN**

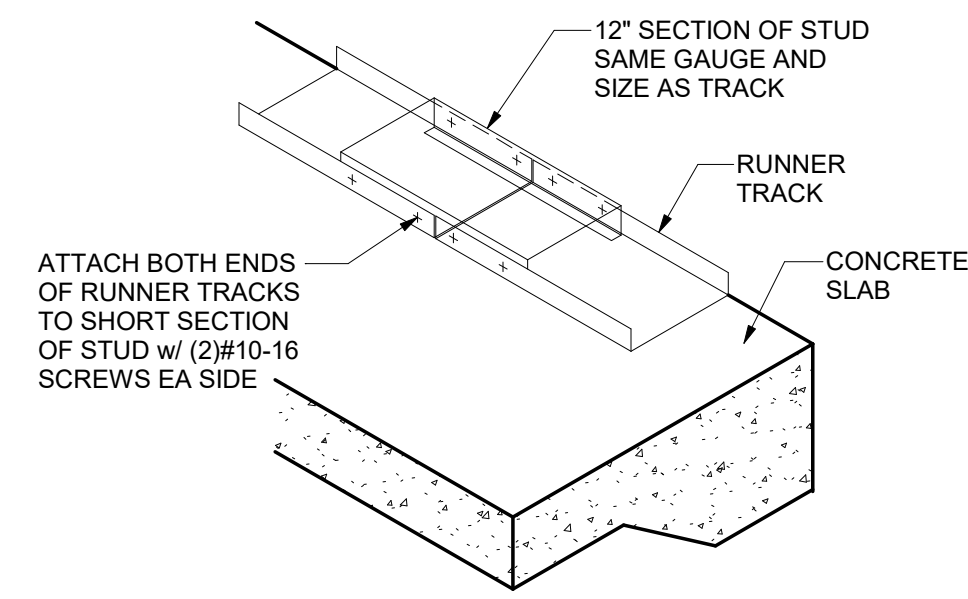




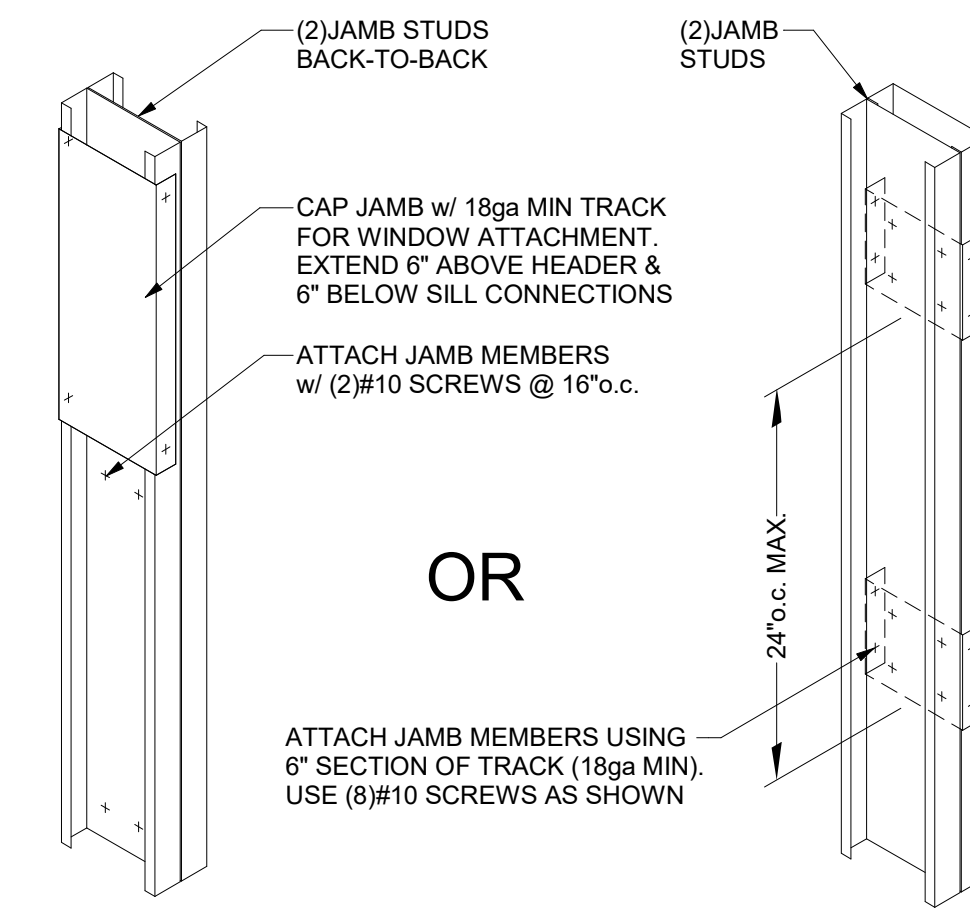
**1 JAMB ANCHORAGE - OPENING**  
NTS



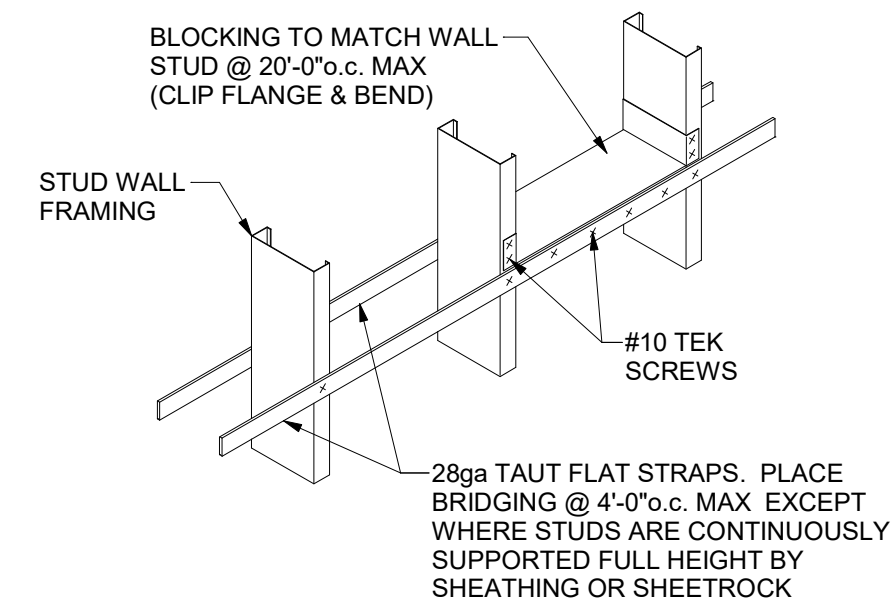
**2 JAMB ANCHORAGE - WINDOW**  
NTS



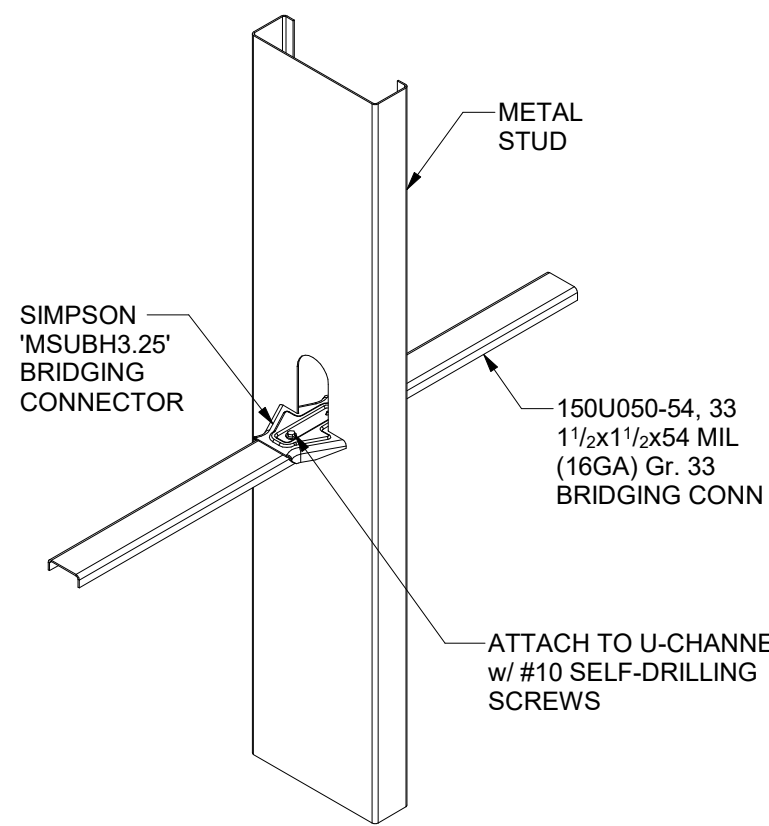
**3 TYP TRACK LAP**  
NTS



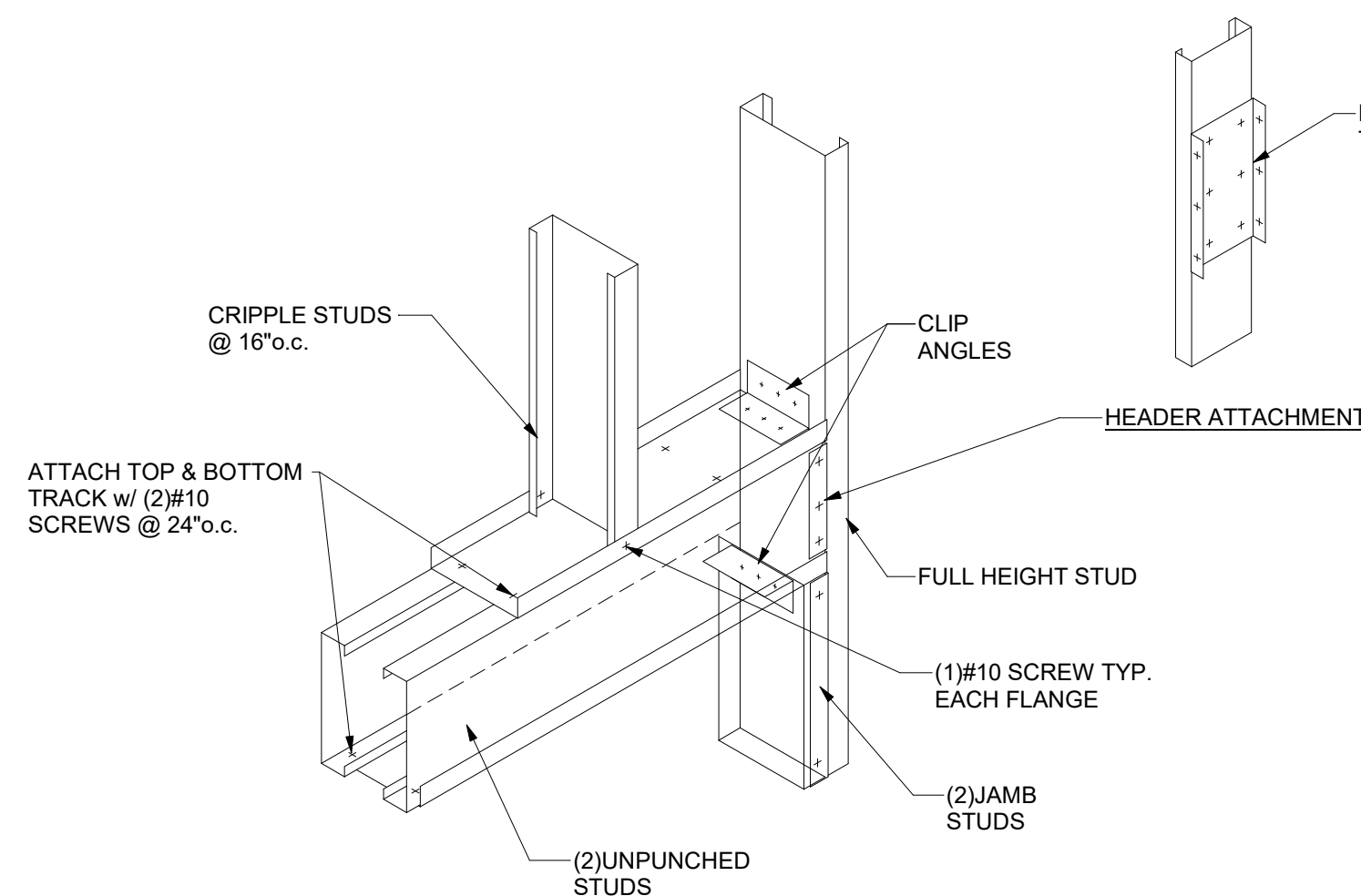
**4 TRACK OVERLAP**  
NTS



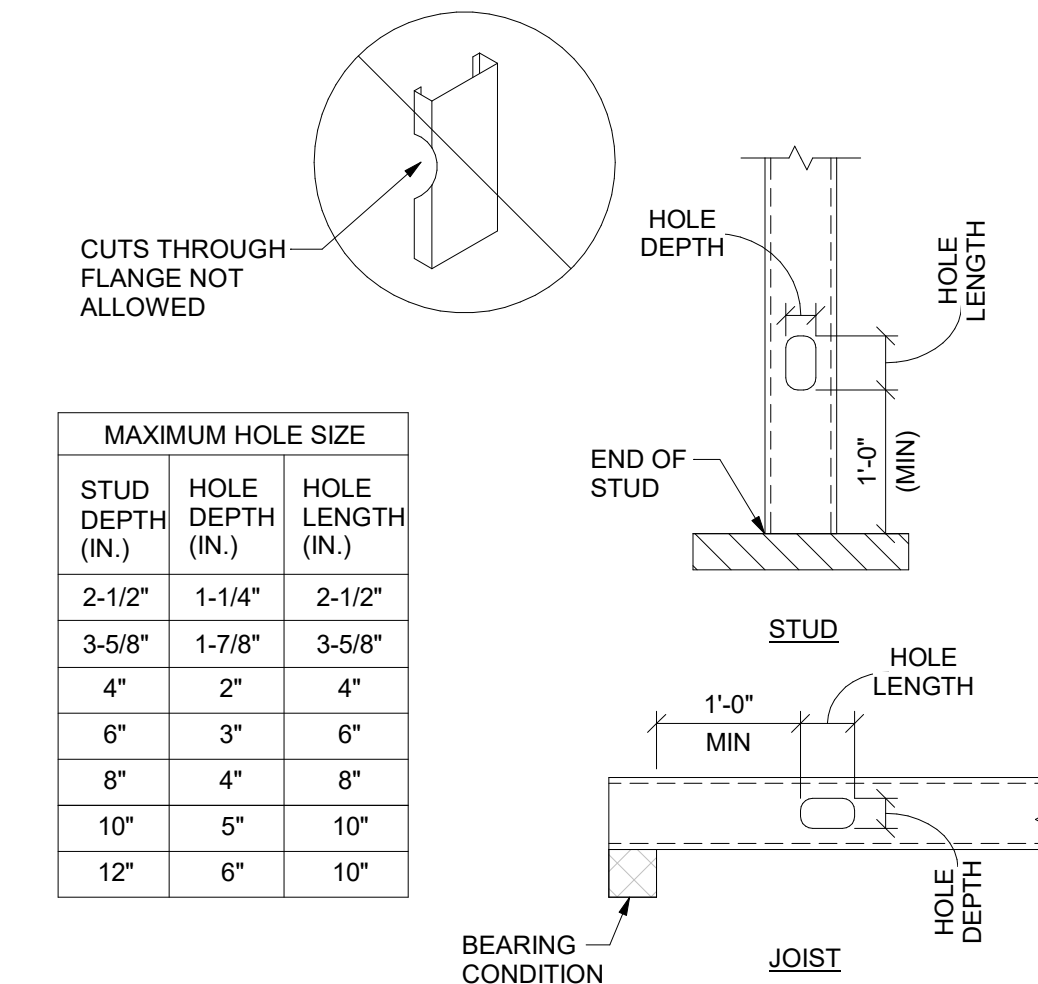
**5 STUD WALL BRIDGING DETAIL**  
NTS



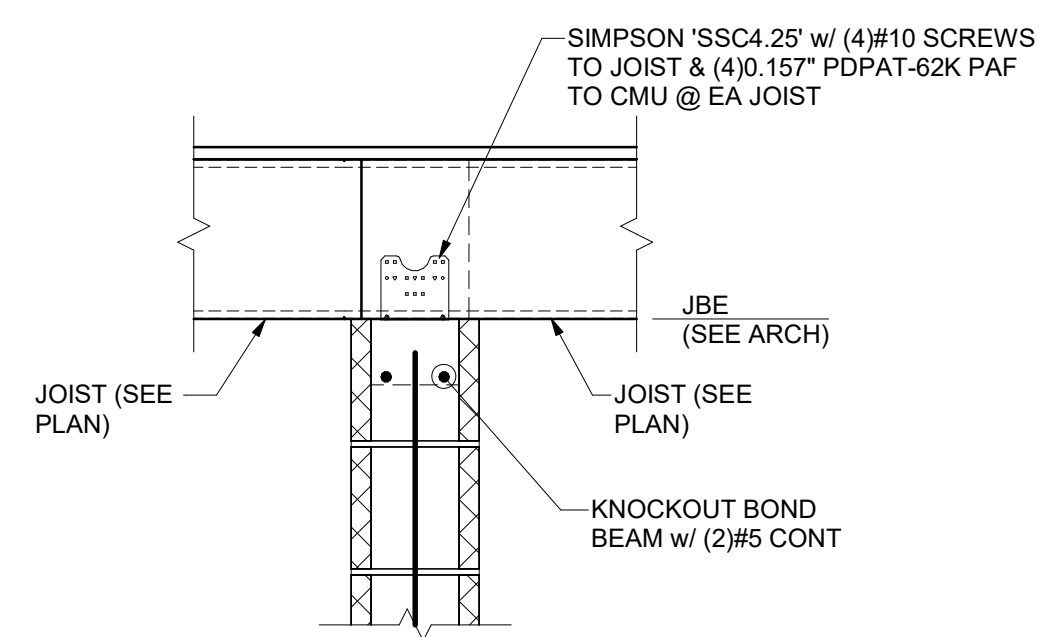
**6 TYP WEB BRIDGING DTL**  
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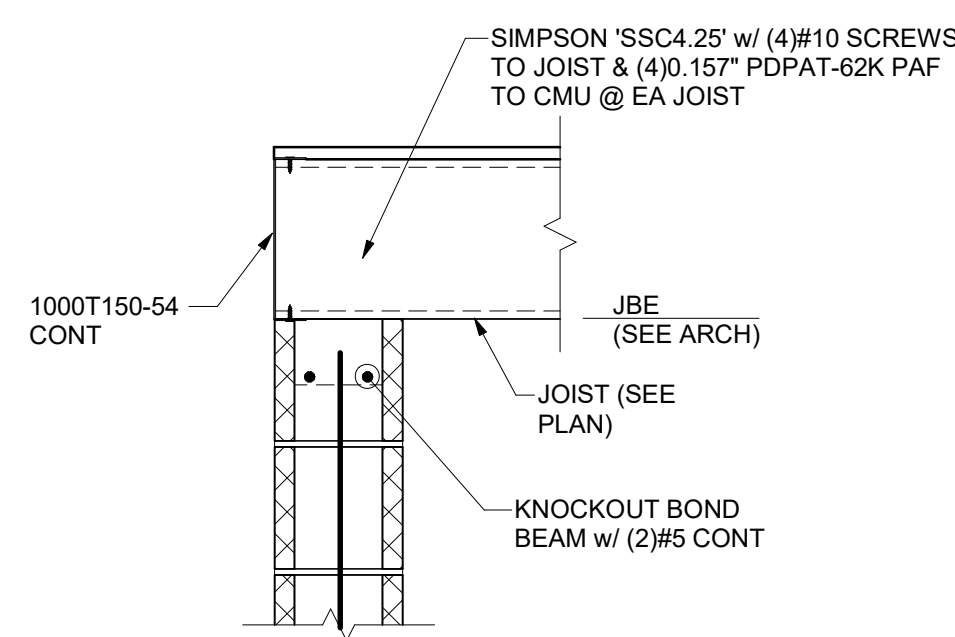
**7 METAL STUD HEADER**  
NTS



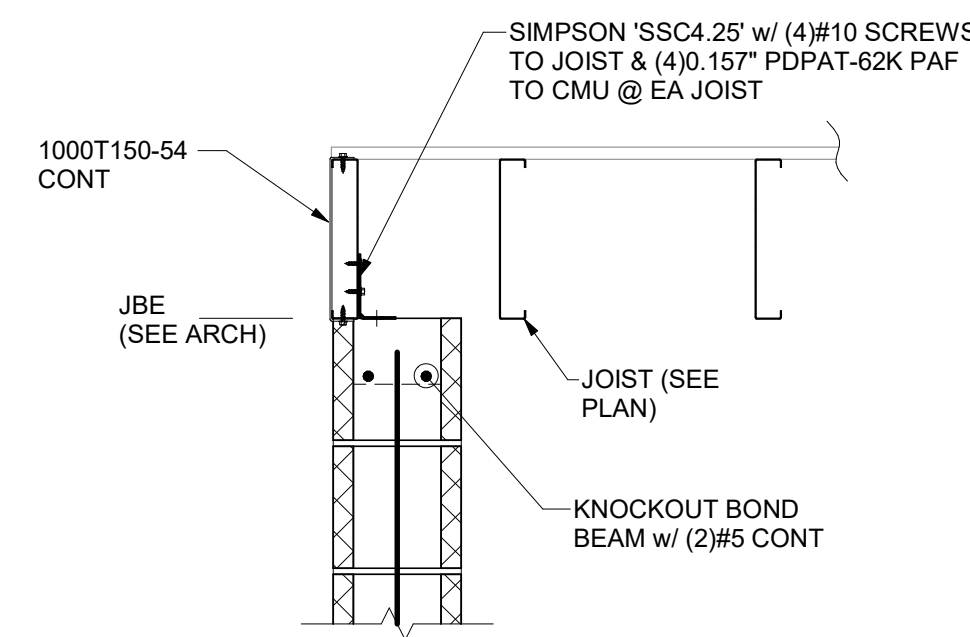
**8 FIELD CUT HOLE DETAIL**  
NTS



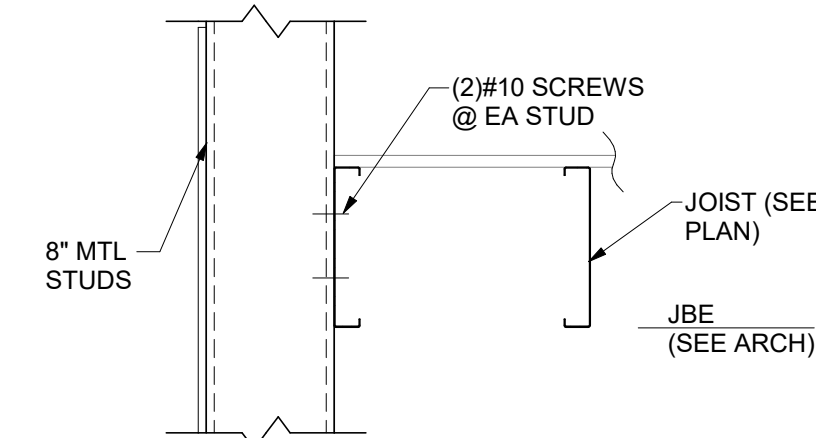
**9 SECTION**  
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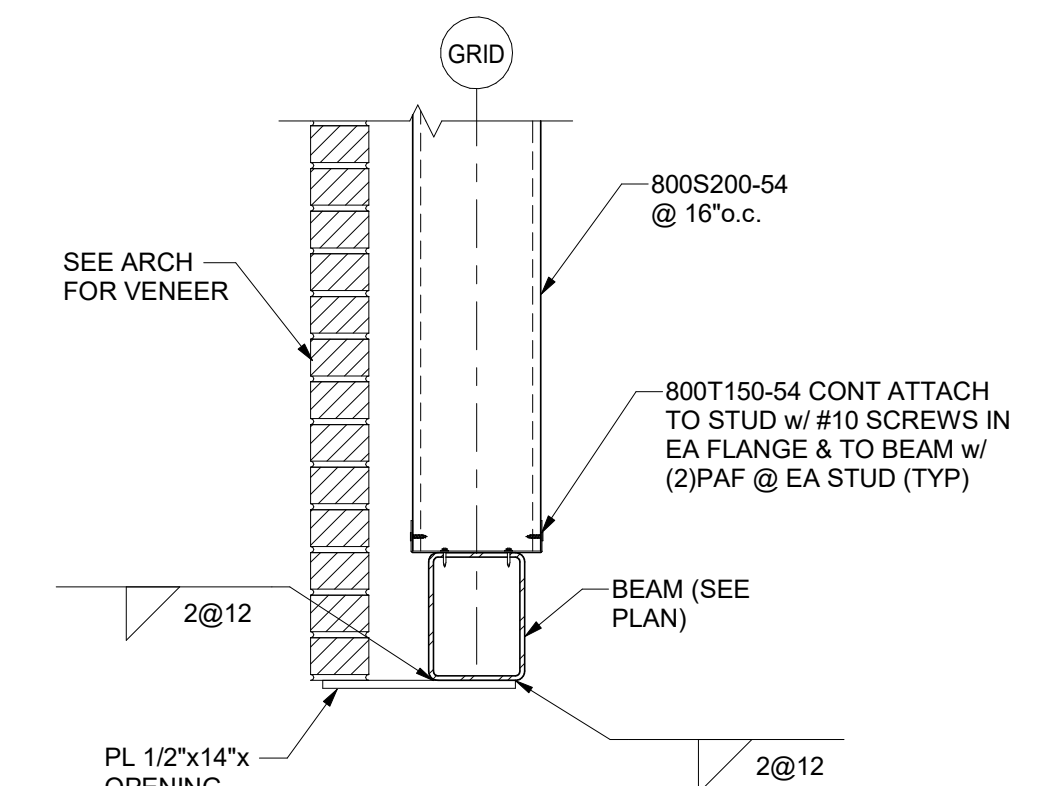
**10 SECTION**  
1" = 1'-0"



**11 SECTION**  
1" = 1'-0"



**12 SECTION**  
1" = 1'-0"



**13 SECTION**  
1" = 1'-0"

SEAL:

**FOWLER ENGINEERING, LLC**  
STRUCTURAL ENGINEERING CONSULTANTS  
1989 Oak Tree Cove, Suite A  
Hemando, MS 38632 | 662-469-9371

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**TRUMANN FIRE STATION**  
801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
DRAWN BY: SBW  
CHECKED BY: LCF  
DATE: 10-11-23  
REVISIONS:

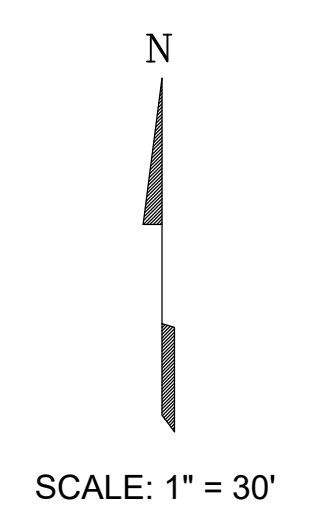
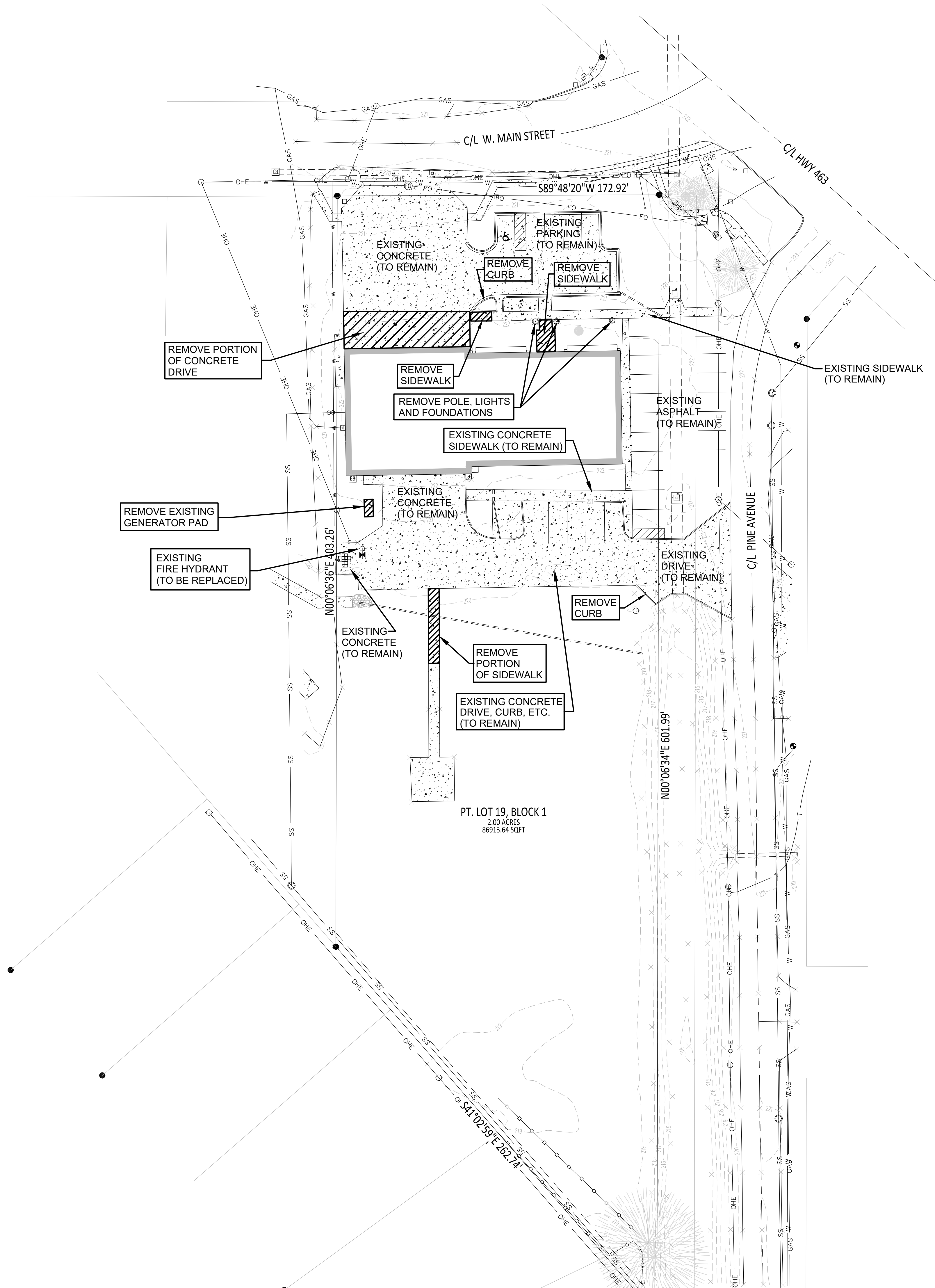
STATE OF ARKANSAS  
*L. Chad Fowler*  
PROFESSIONAL ENGINEER  
10-11-23  
No. 12374  
L. CHAD FOWLER

CERTIFICATE OF AUTHORIZATION  
FOWLER ENGINEERING, LLC  
No. 1759  
ARKANSAS-ENGINEER

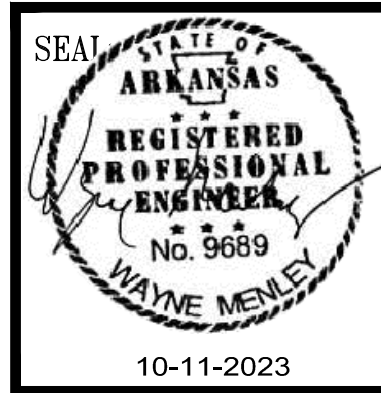
FRAMING DETAILS

SHEET NO.:  
**S501**

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# SITE DEMO PLAN



**Miller Newell Engineers Inc.**  
 NEWPORT, AR 72112  
 210 THIRD STREET  
 PHONE: (870) 523-6551 FAX: (870) 523-6533  
 Miller - Newell EMAIL: MILLERNEWELL@MNCOL.COM

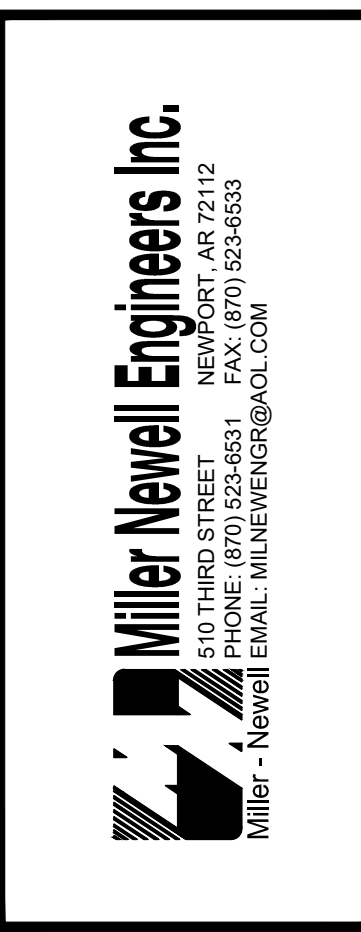
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 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
 DRAWN BY: DD  
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 DATE: 10-11-2023  
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**C101**





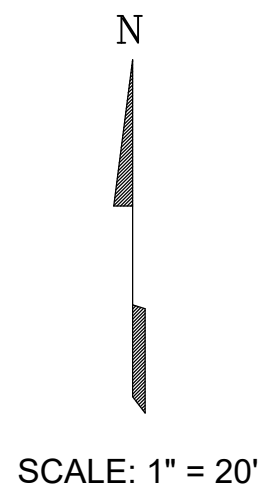
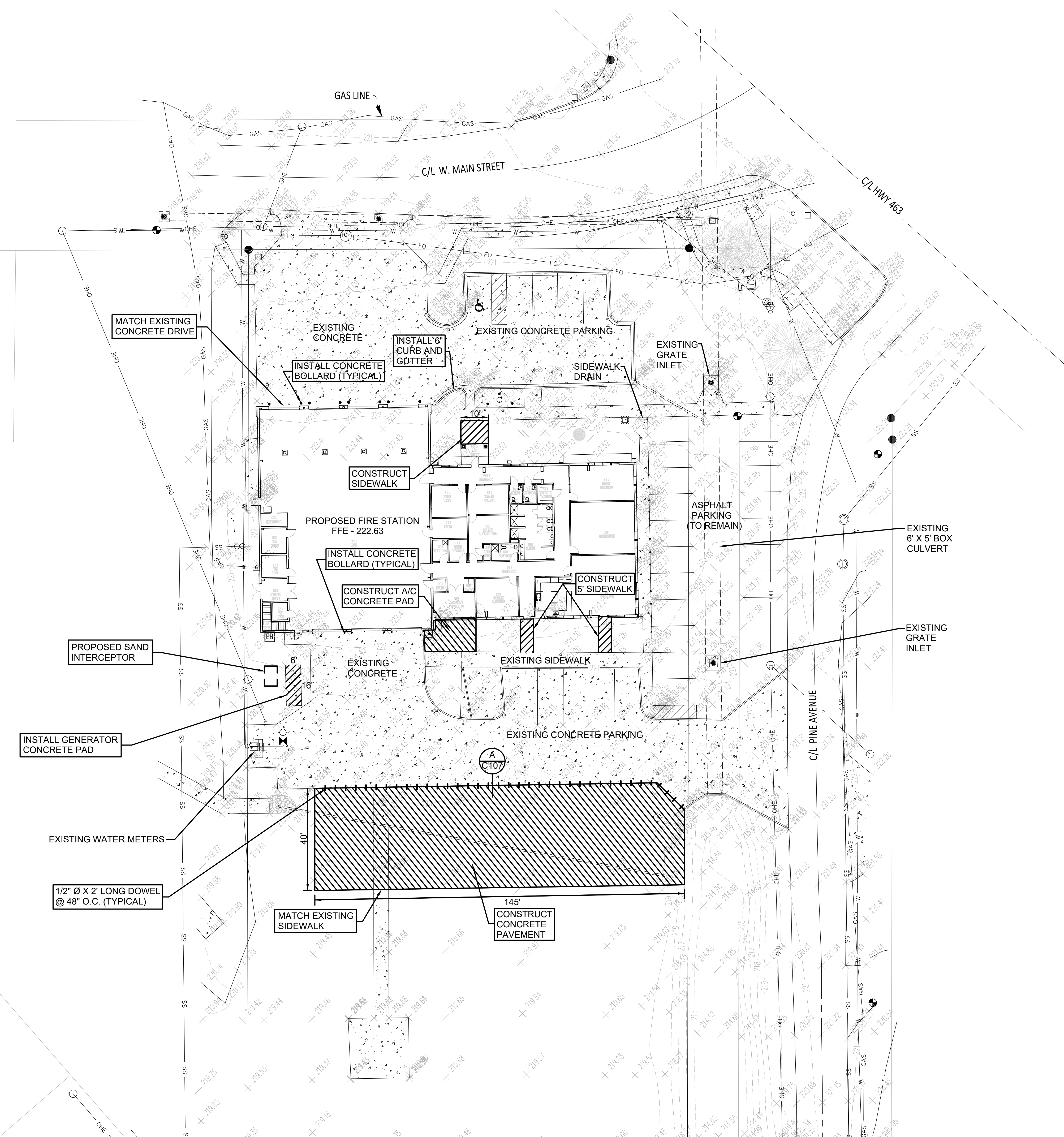
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PROJECT NO.: 2023-02  
DRAWN BY: DD  
CHECKED BY: WM  
DATE: 10-11-23  
REVISIONS:

SHEET NO.:

C102



PROPOSED SITE PLAN

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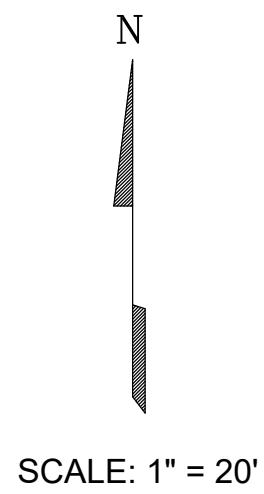
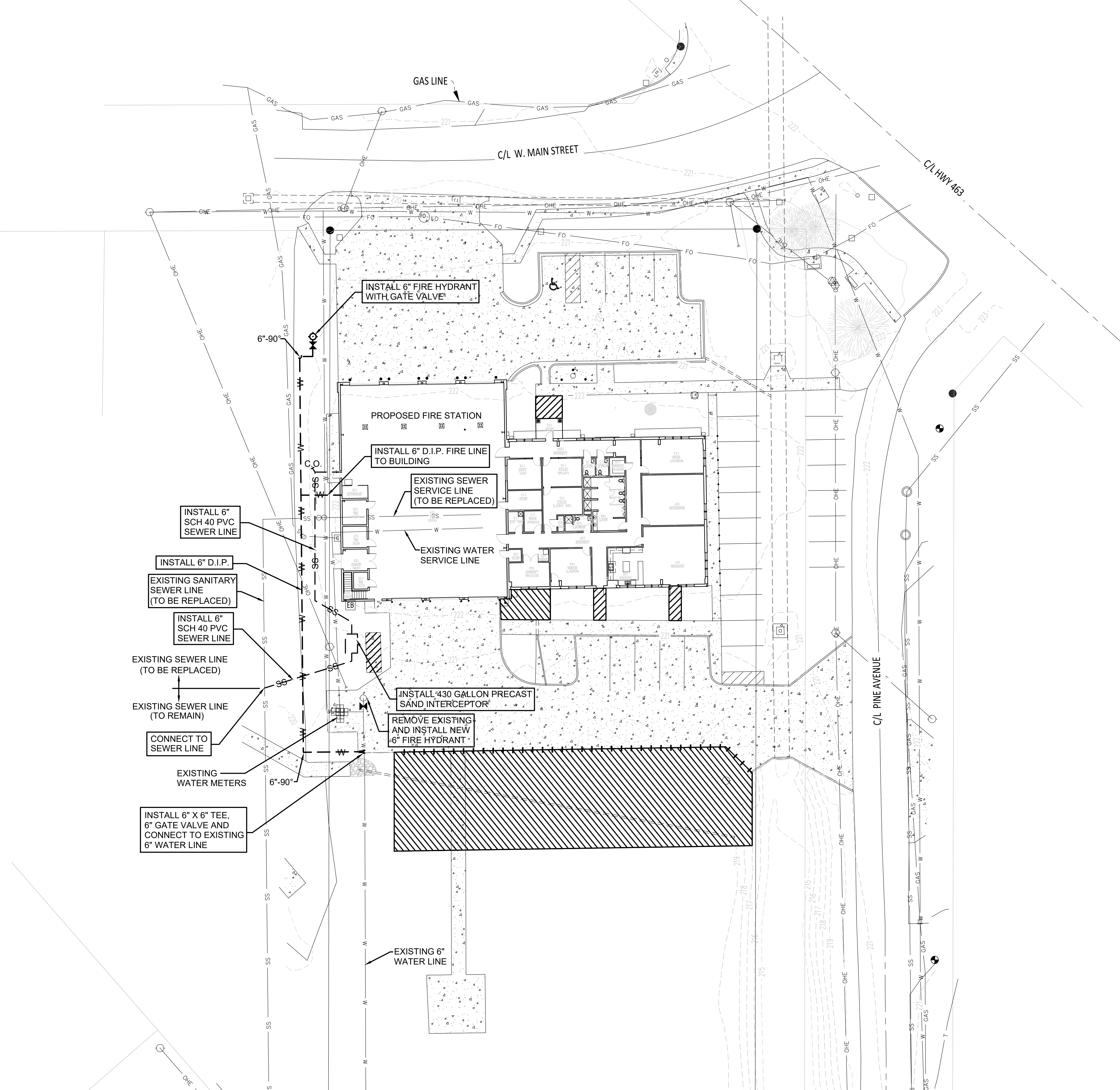
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DRAWN BY: DD  
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DATE: 10-11-23  
REVISIONS:

SHEET NO.:

C103



# SITE UTILITY PLAN

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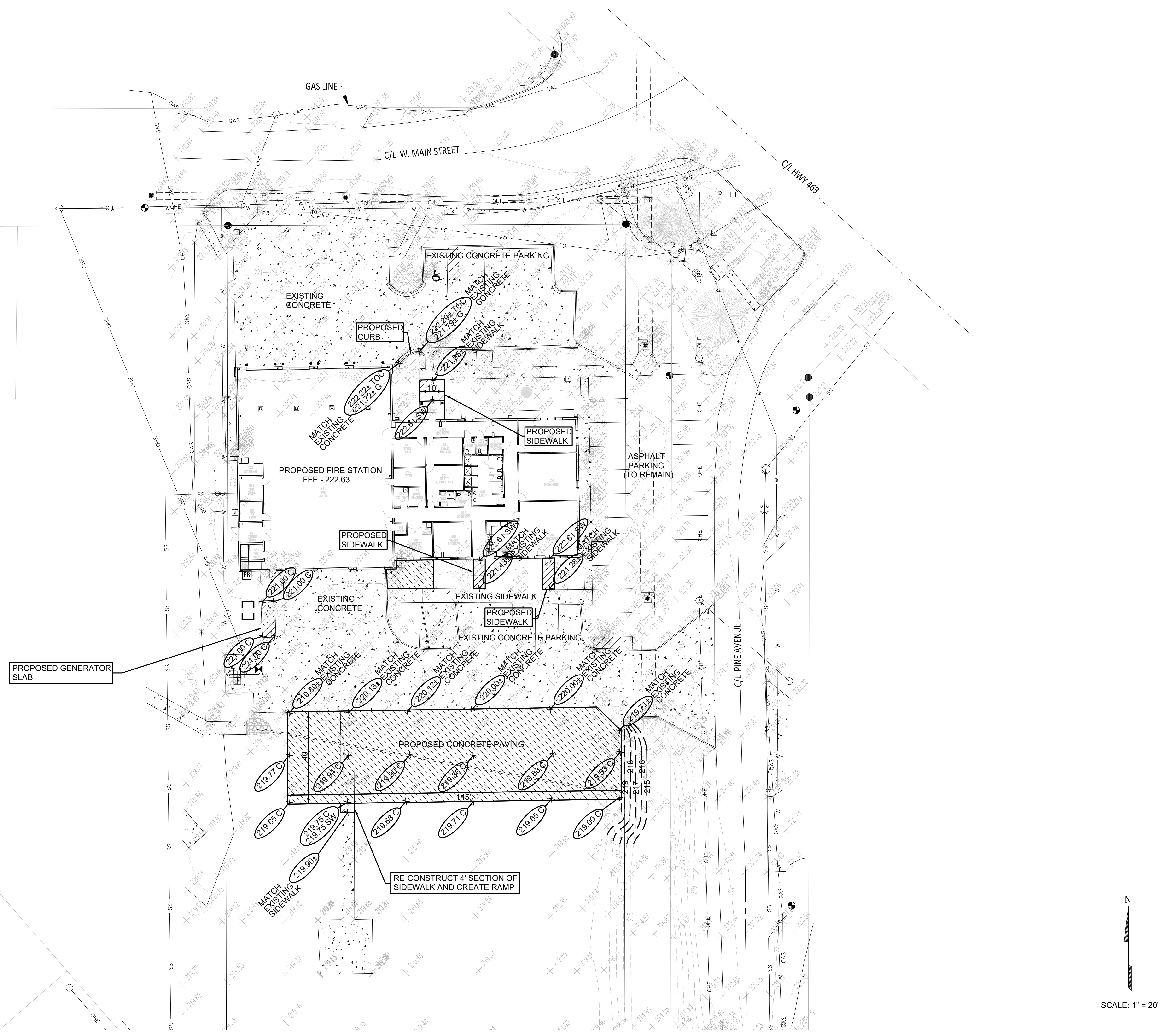


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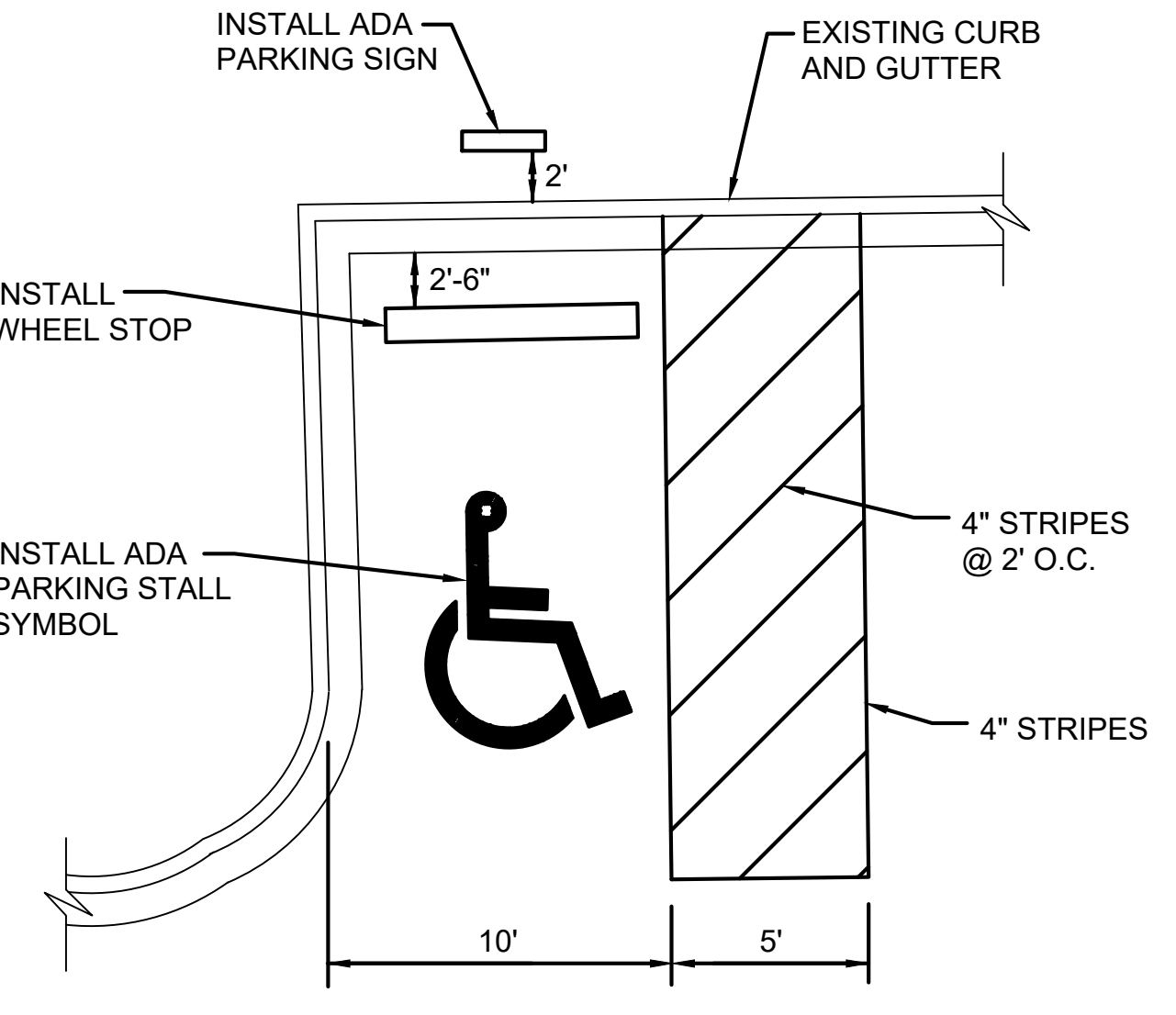
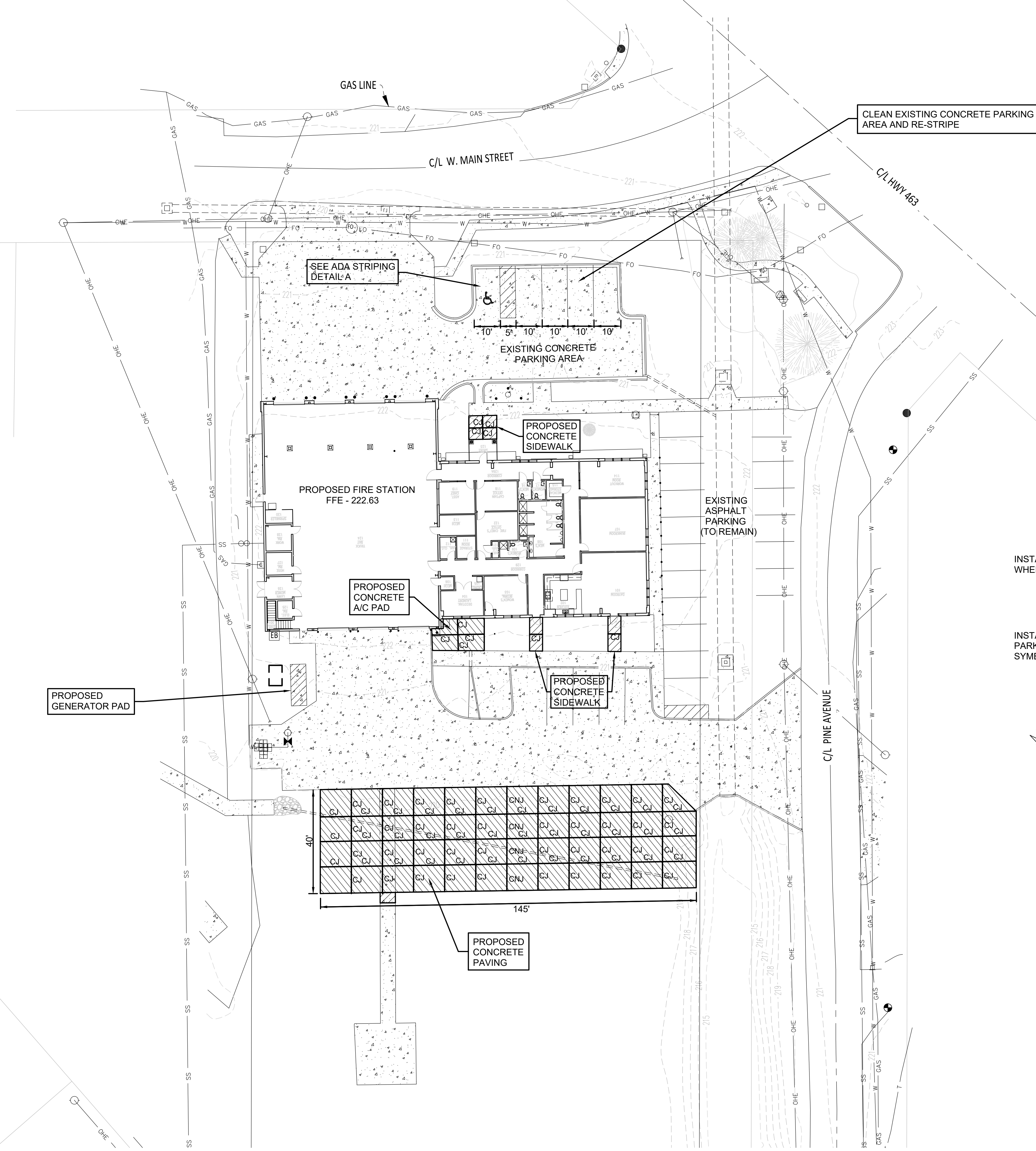
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DATE: 10-11-23  
REVISIONS:

SHEET NO.:  
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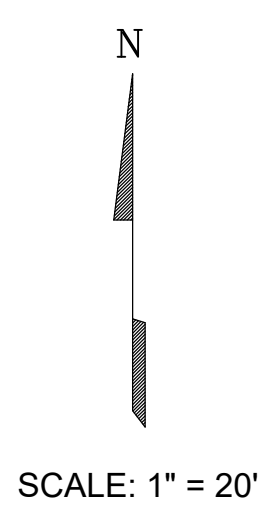


# SITE GRADING PLAN

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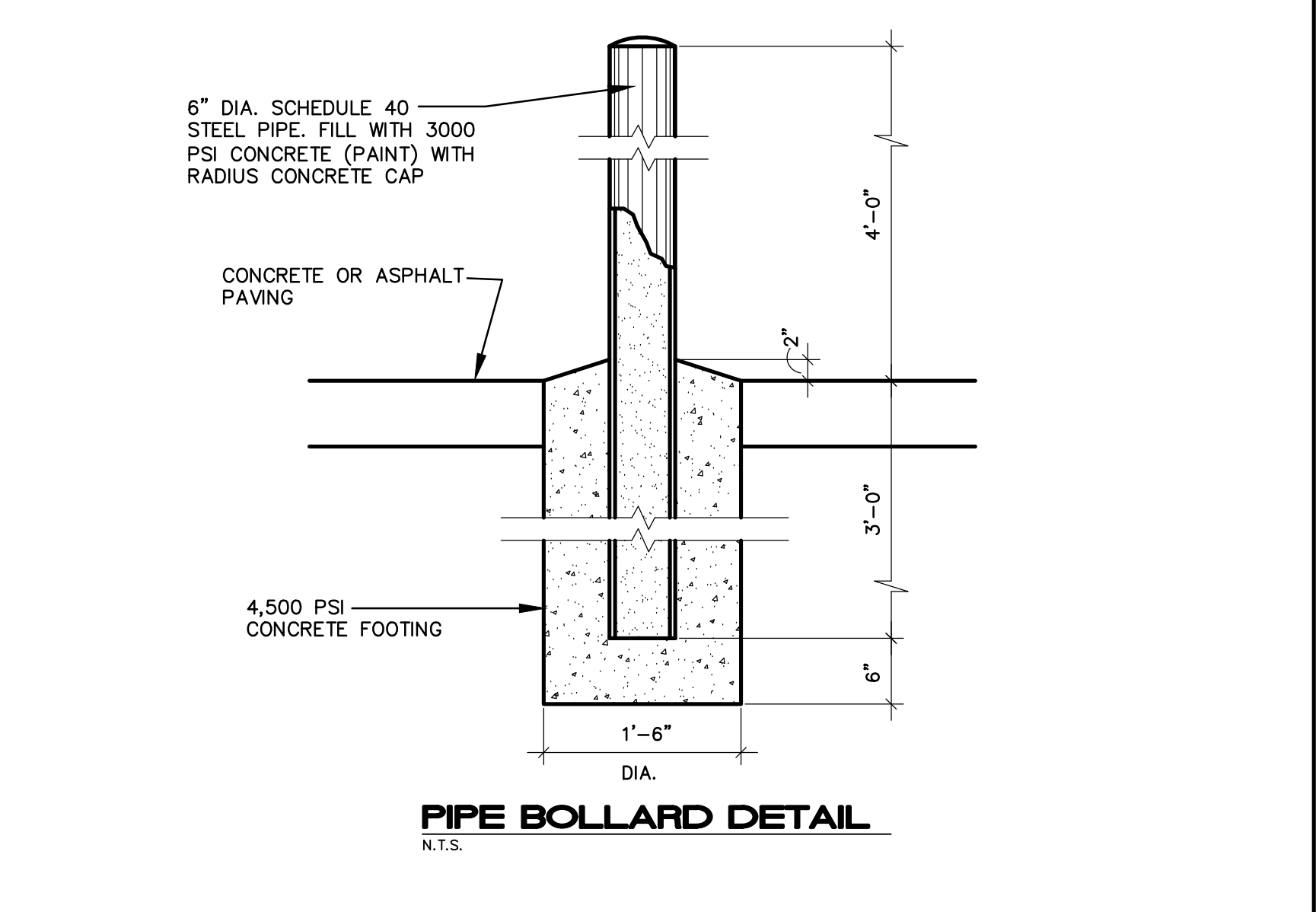
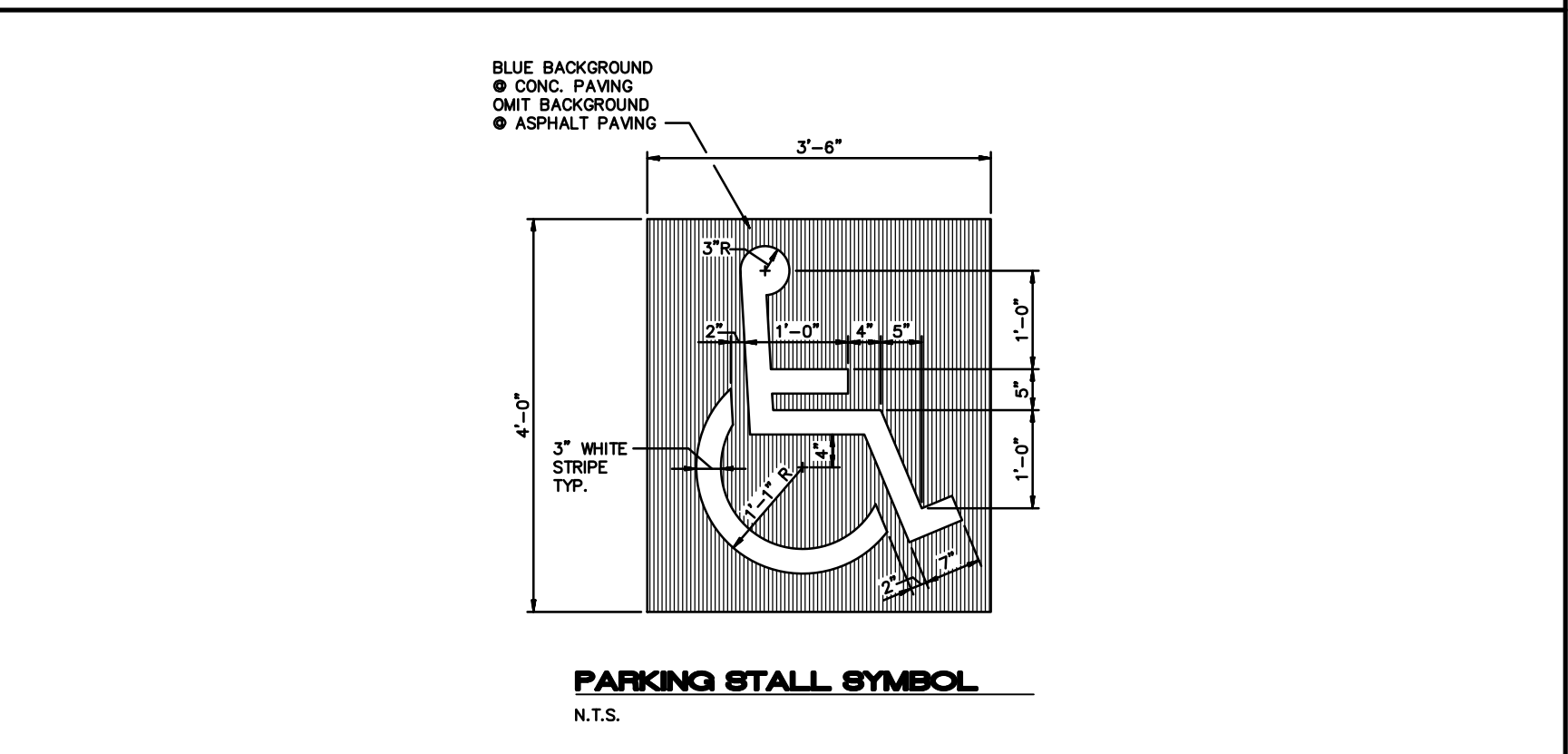
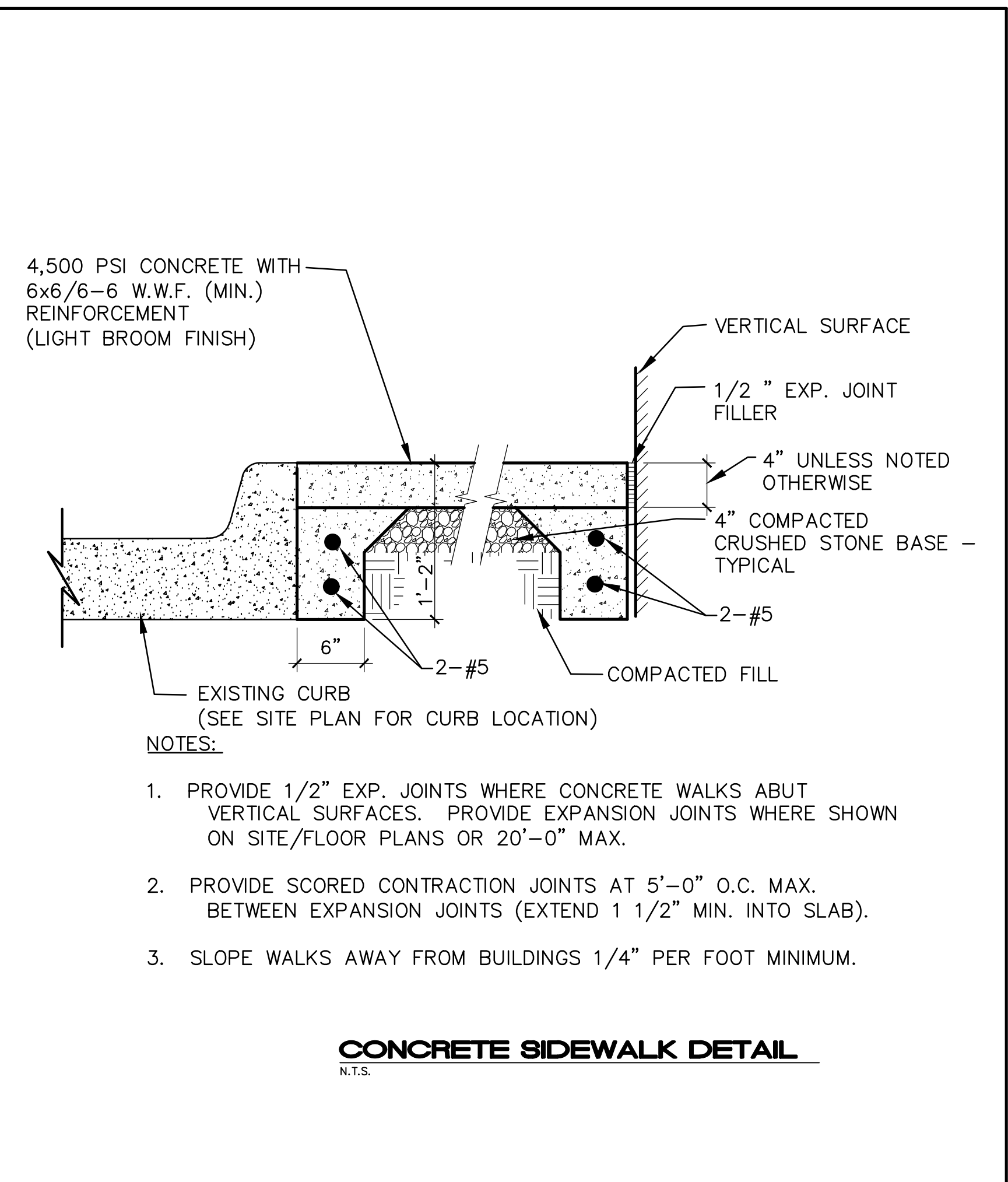
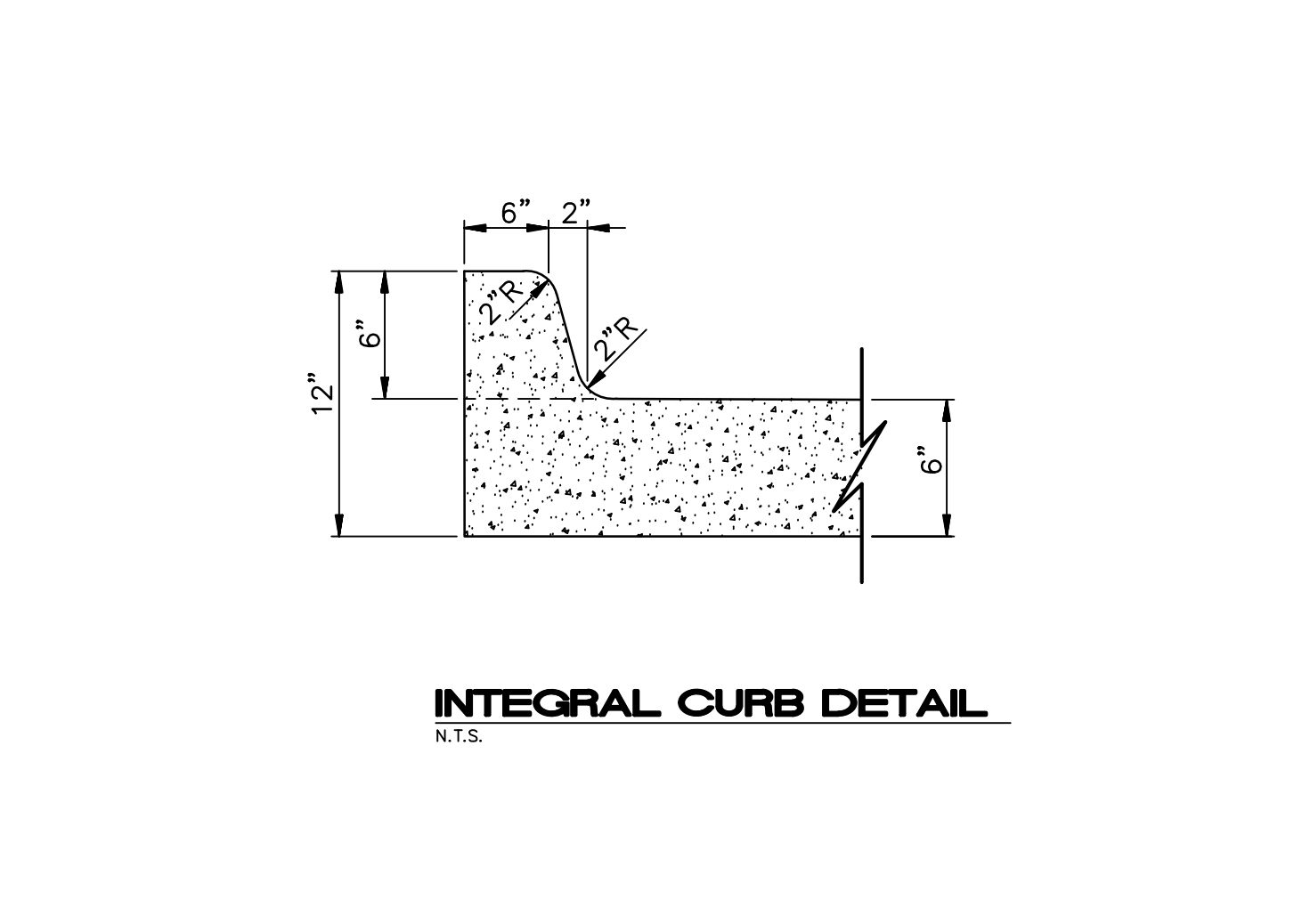
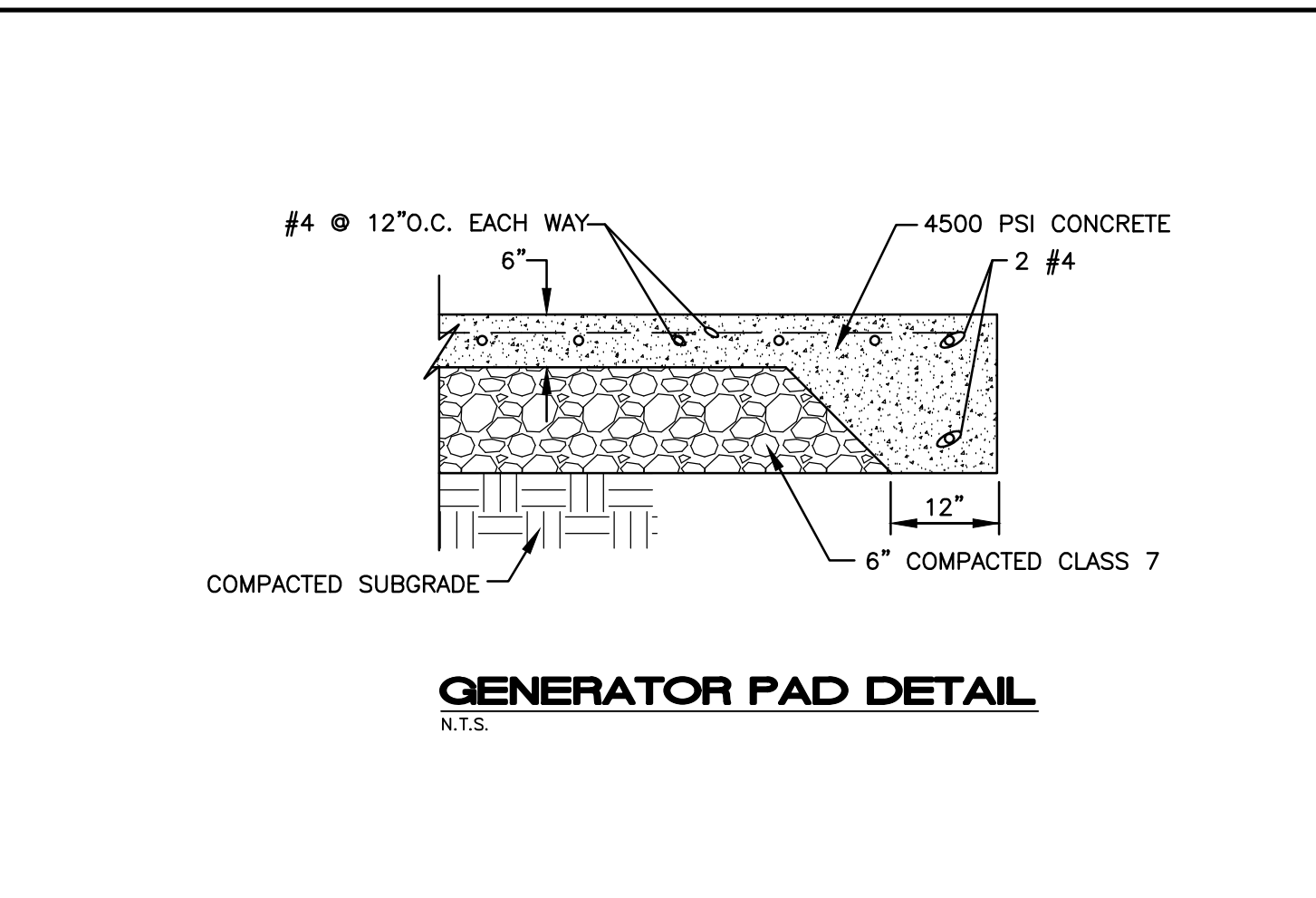
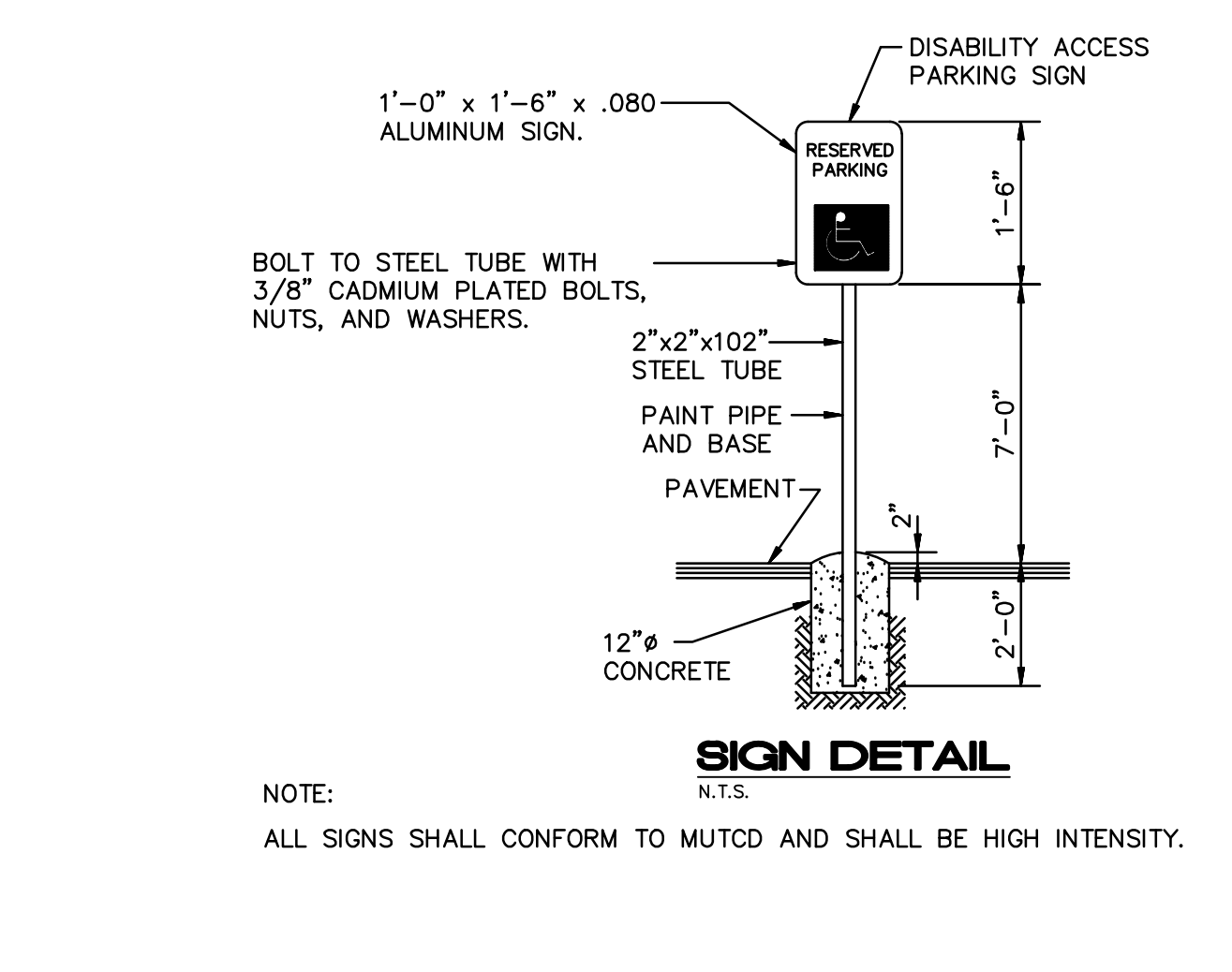
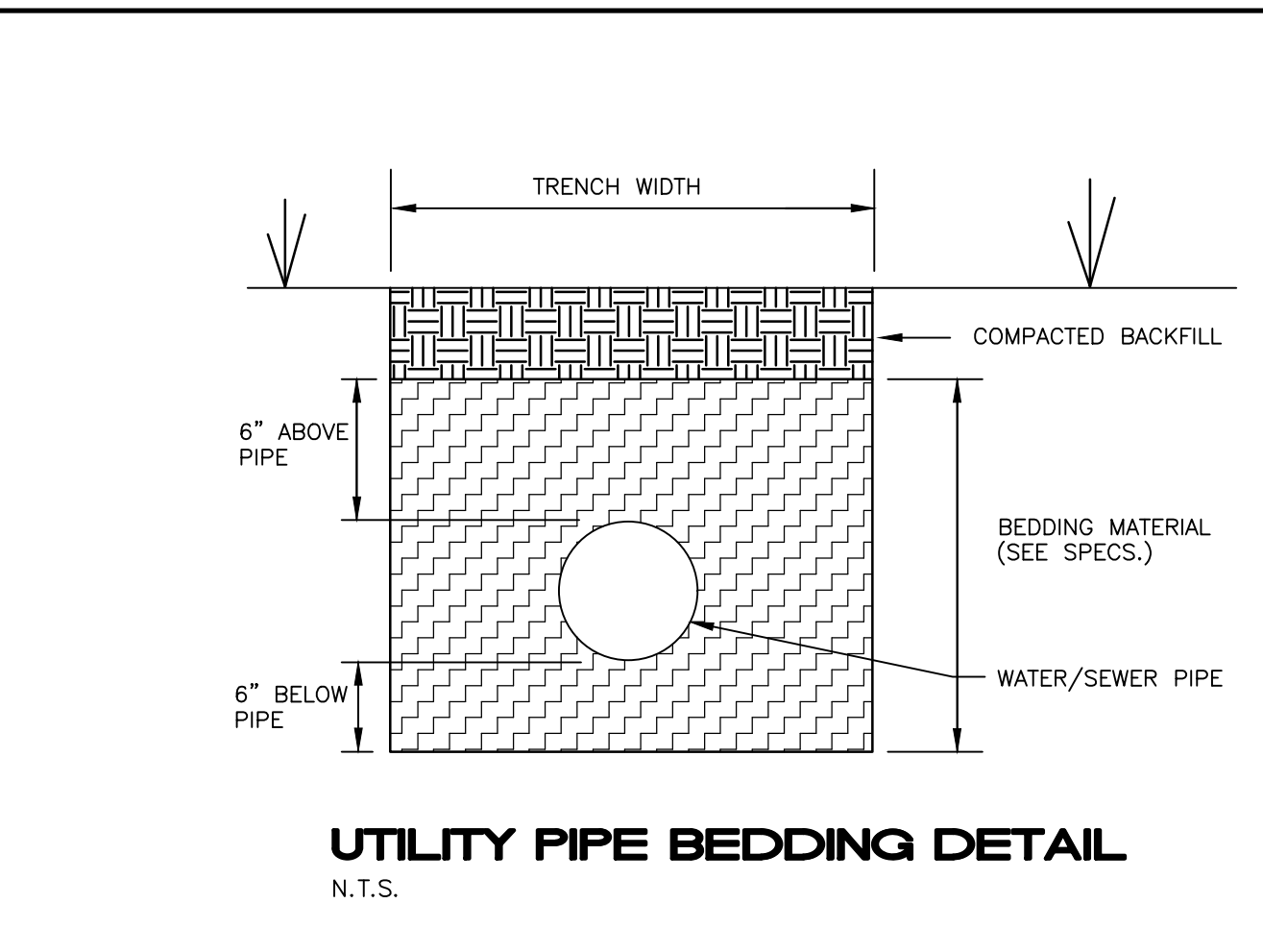
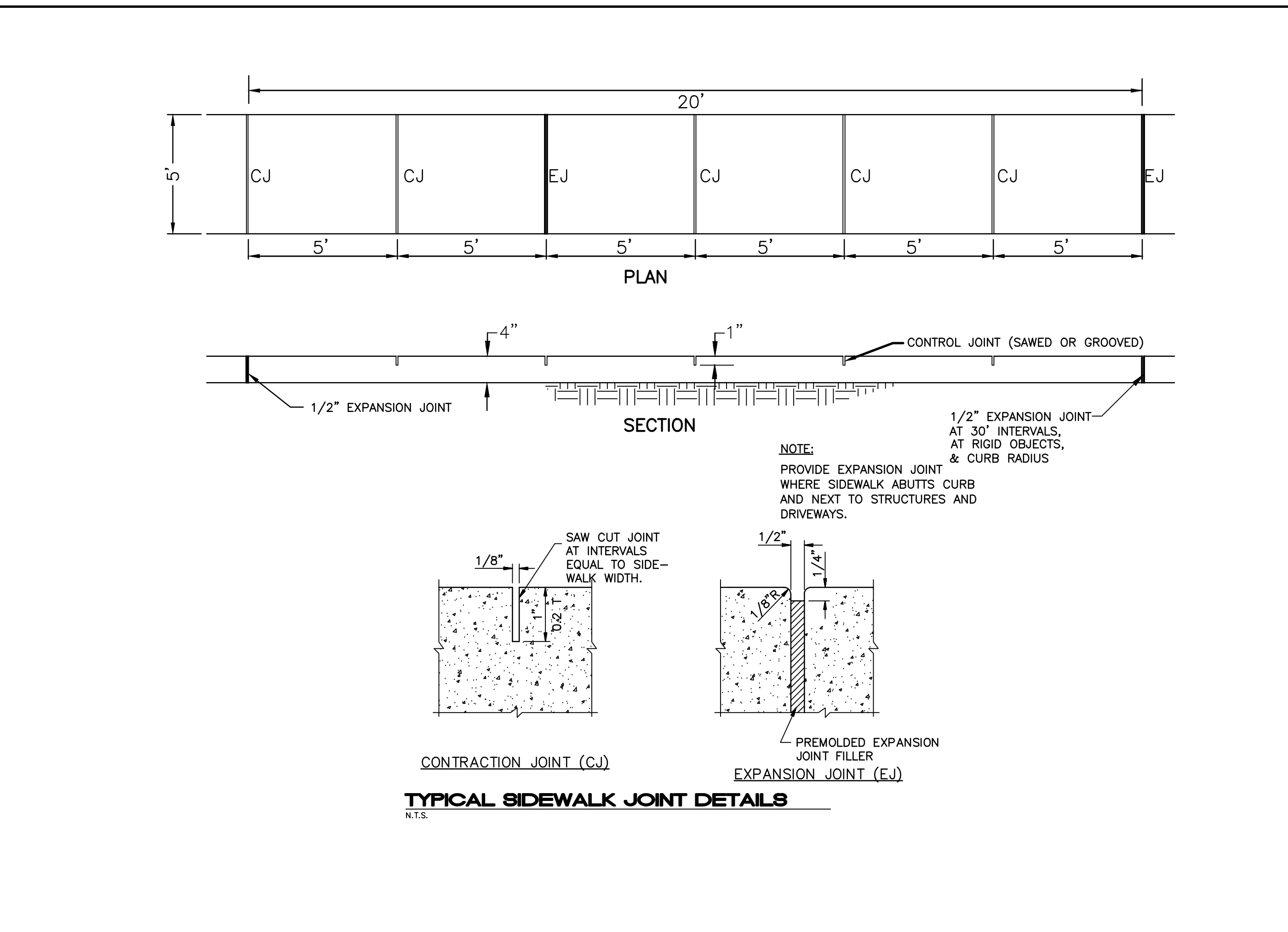
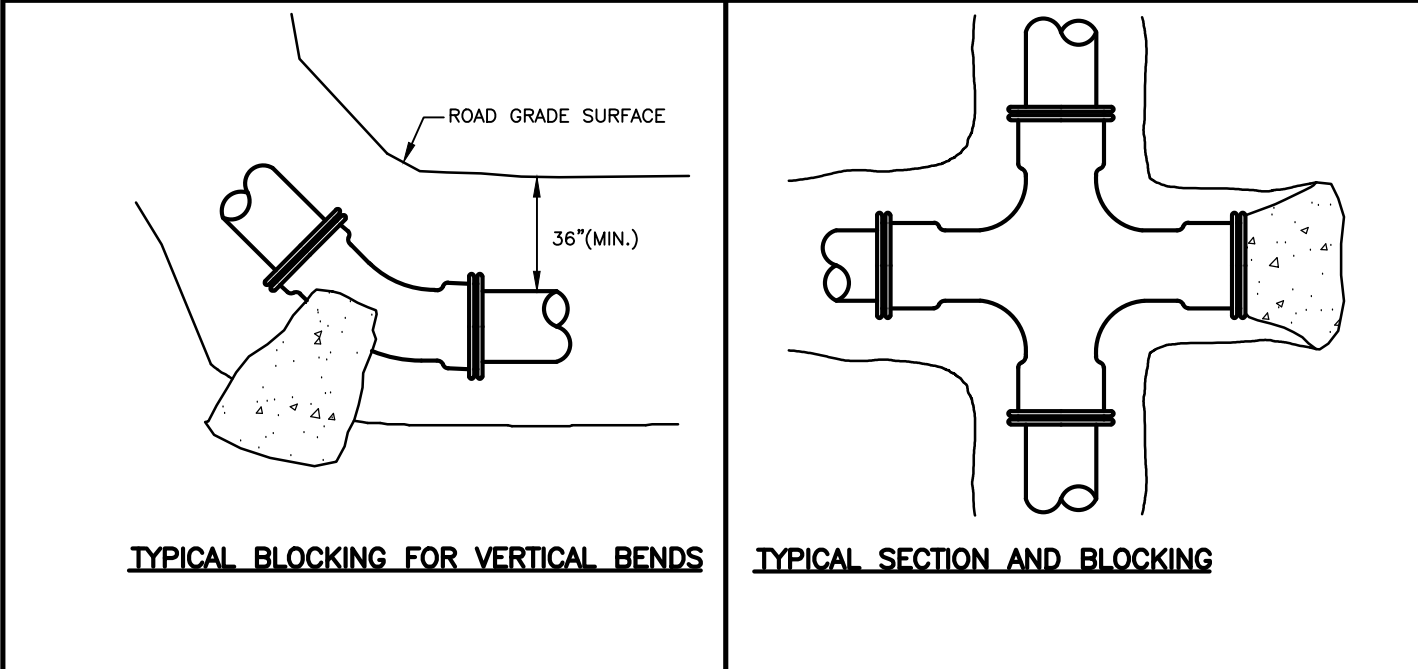
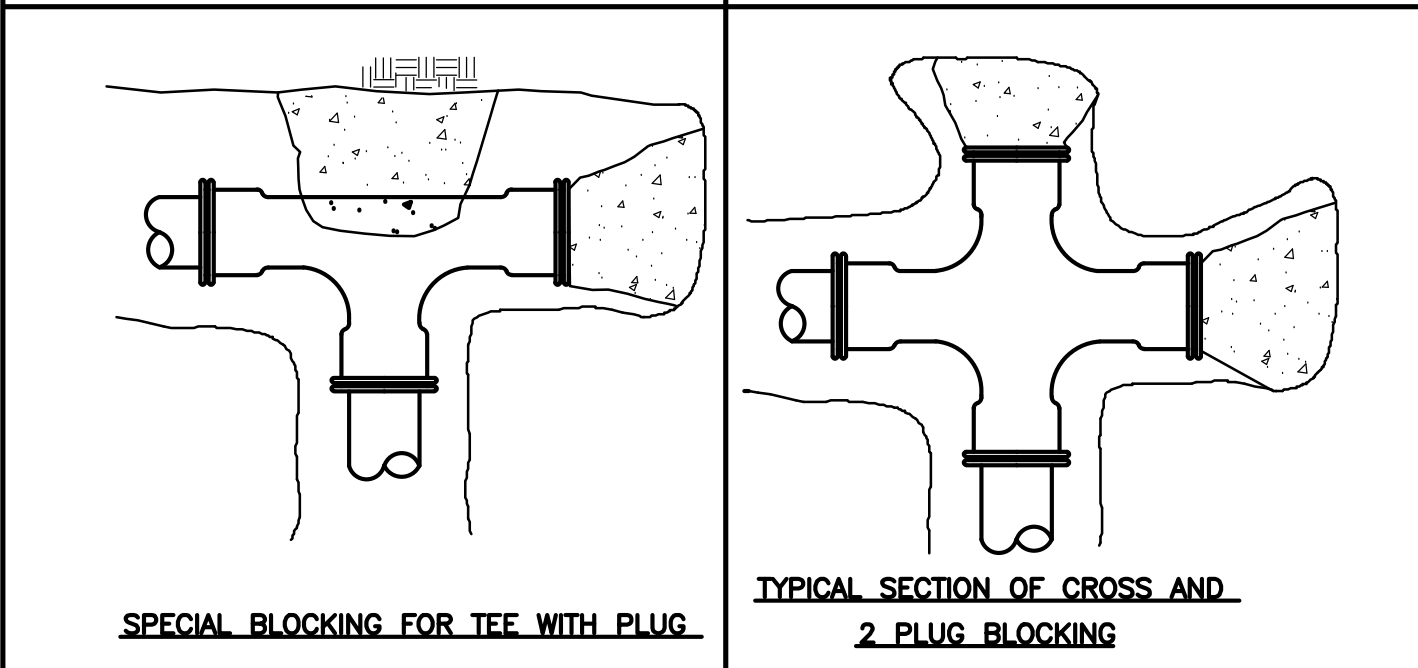
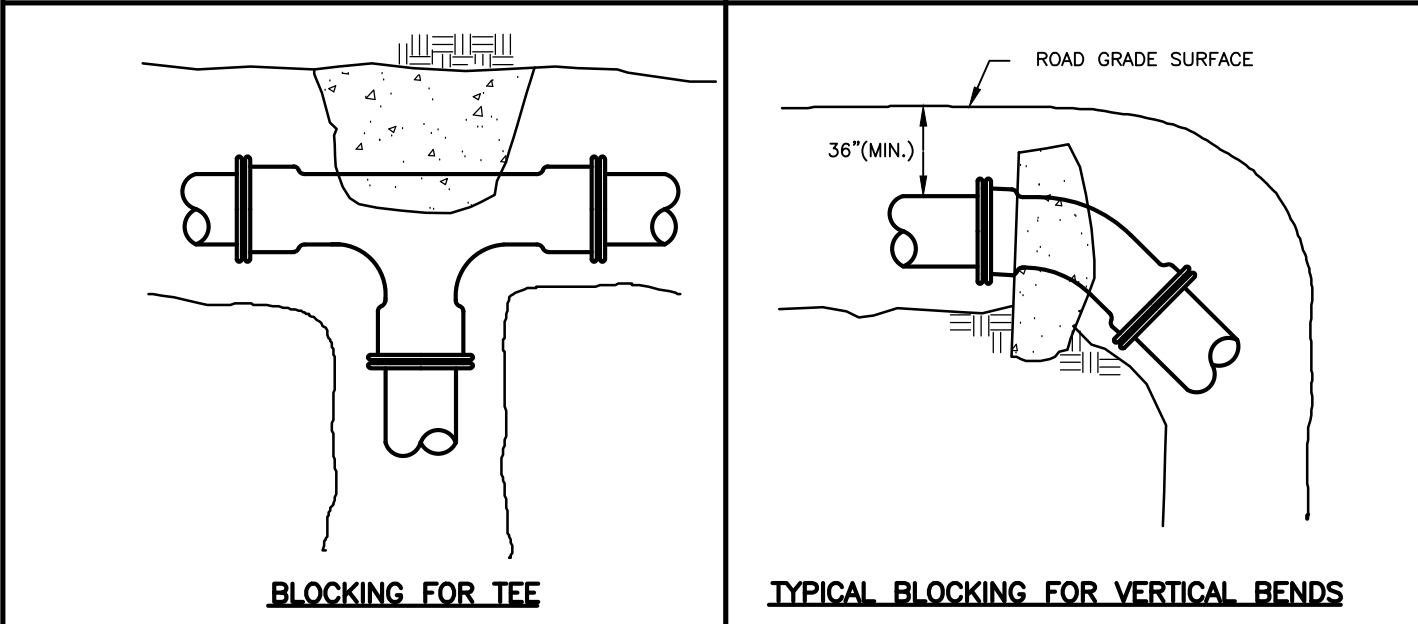
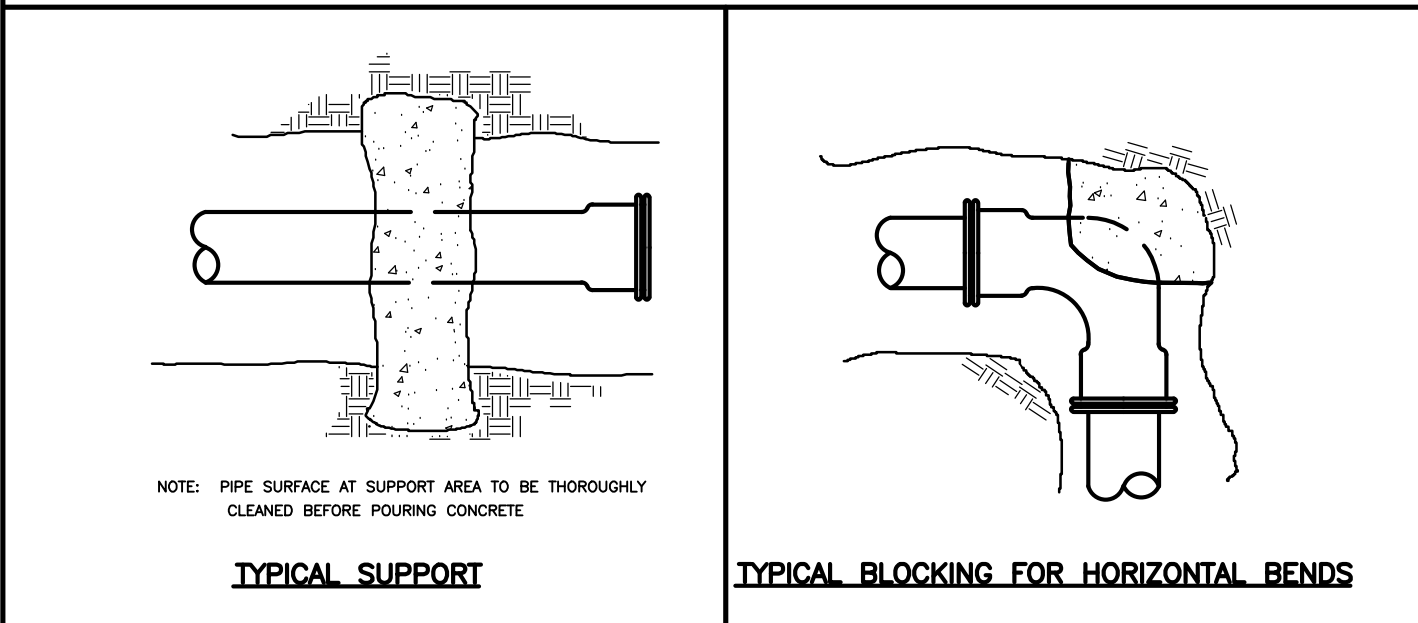
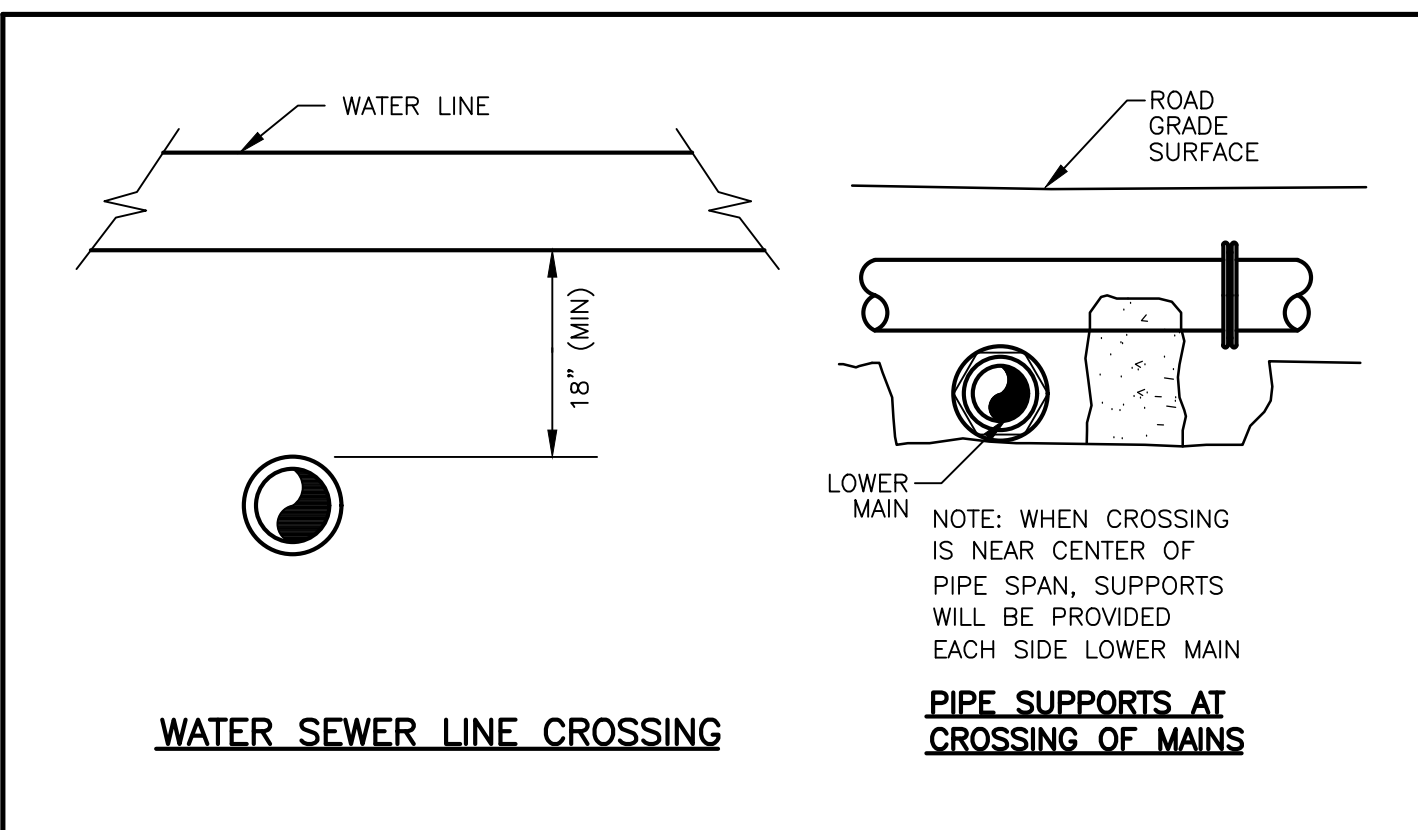
ADA PARKING STRIPING  
 DETAIL A



**SITE PAVING PLAN**

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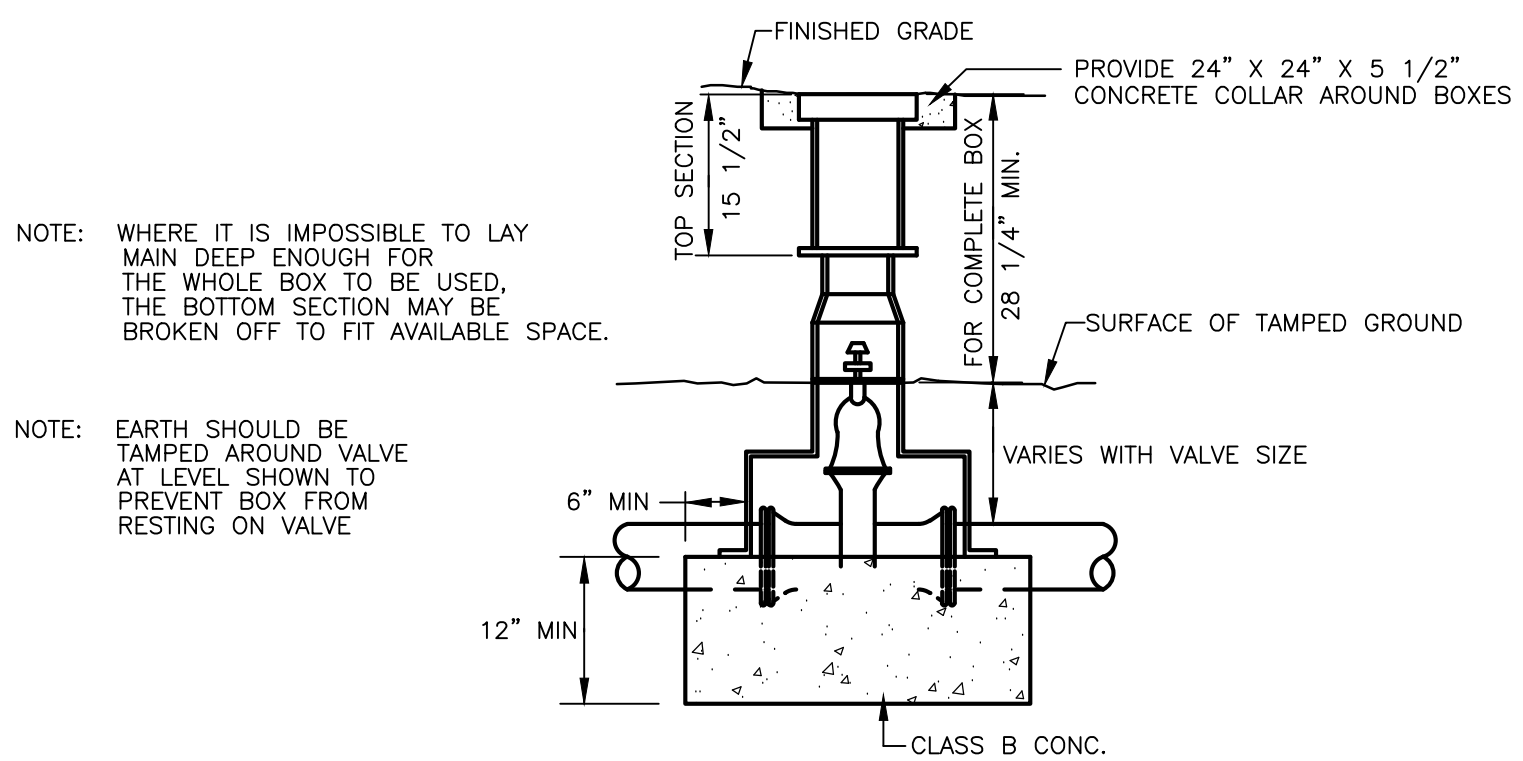


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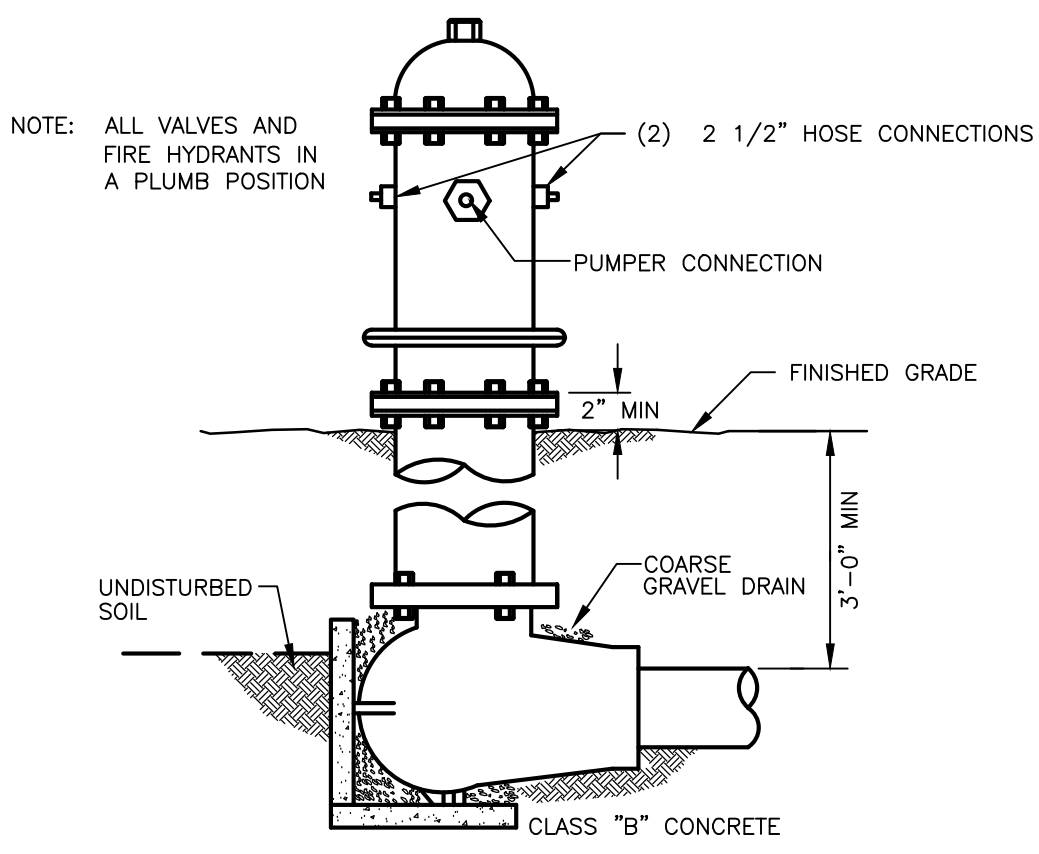
PROPOSED:  
**TRUMANN FIRE STATION**  
 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
 DRAWN BY: DD  
 CHECKED BY: WM  
 DATE: 10-11-23  
 REVISIONS:

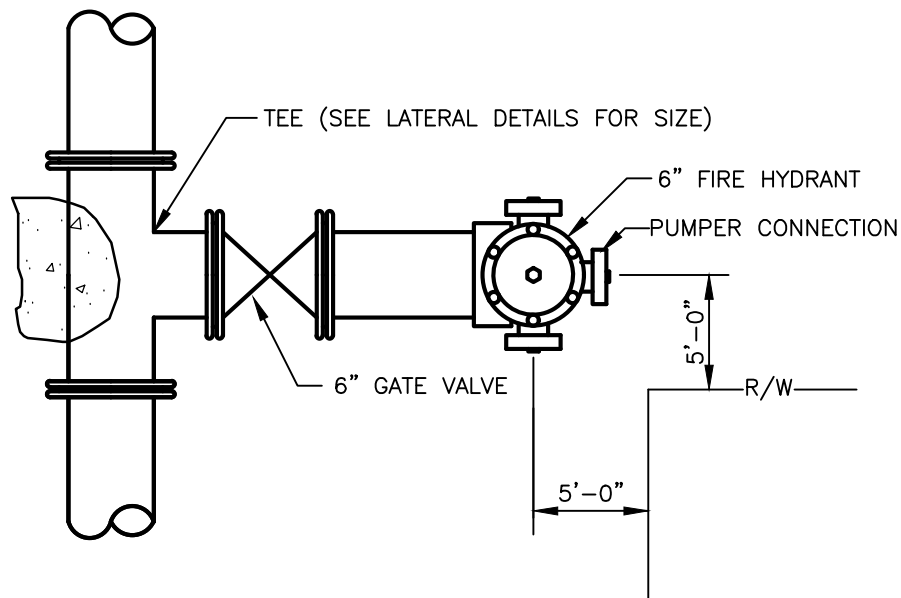
SHEET NO.:  
**C107**



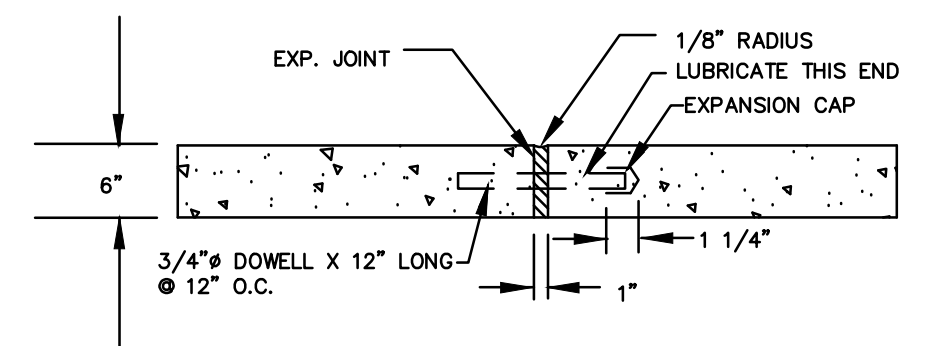
**TYPICAL SETTING FOR VALVES 2" & LARGER**



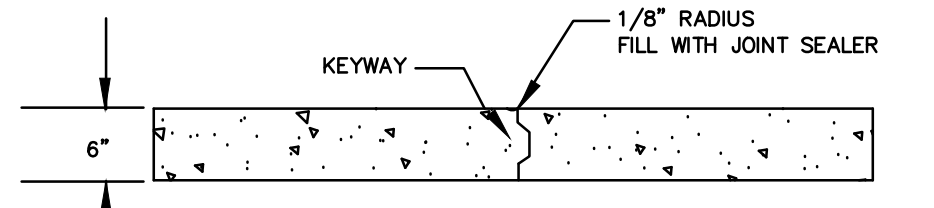
**FIRE HYDRANT SETTING**



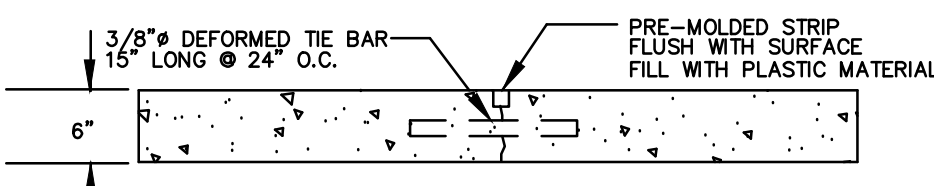
**TYPICAL FIRE HYDRANT CONNECTION**



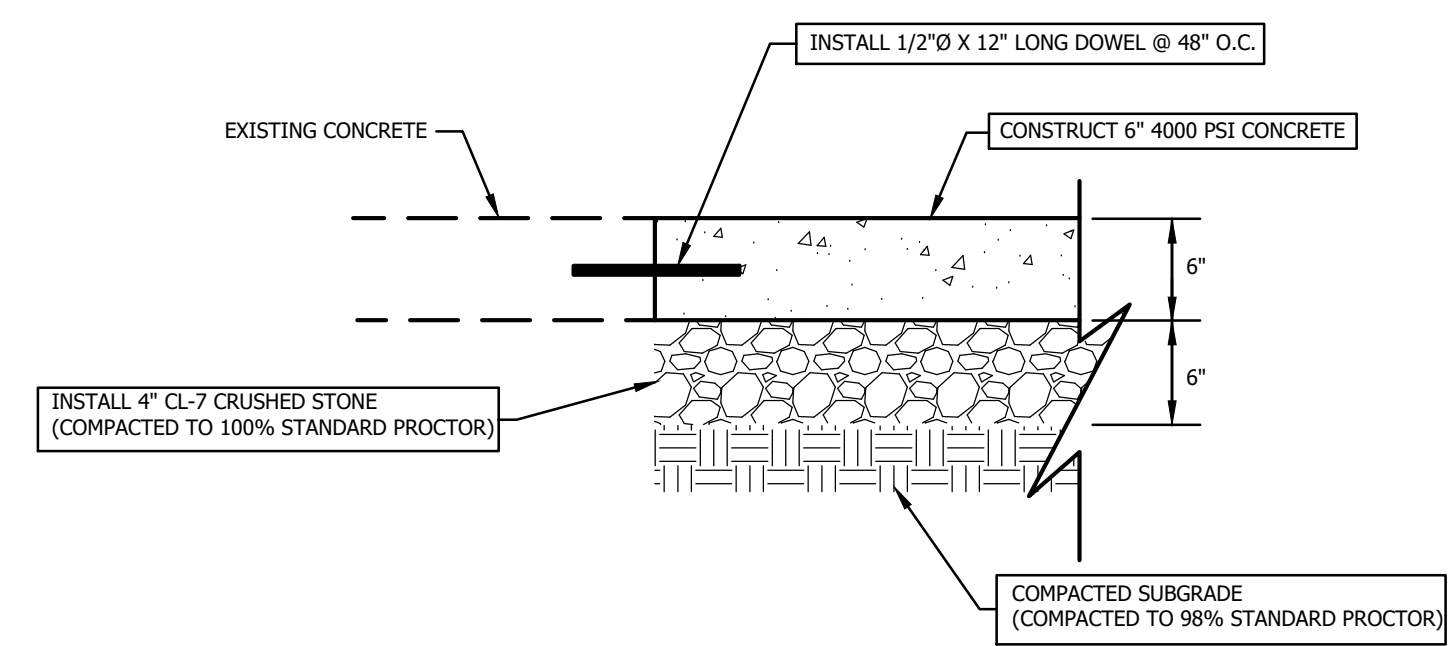
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N.T.S.



**JOINT DETAIL -CONSTRUCTION JOINT 'CNJ'**  
N.T.S.



**JOINT DETAIL 'CJ'**  
N.T.S.

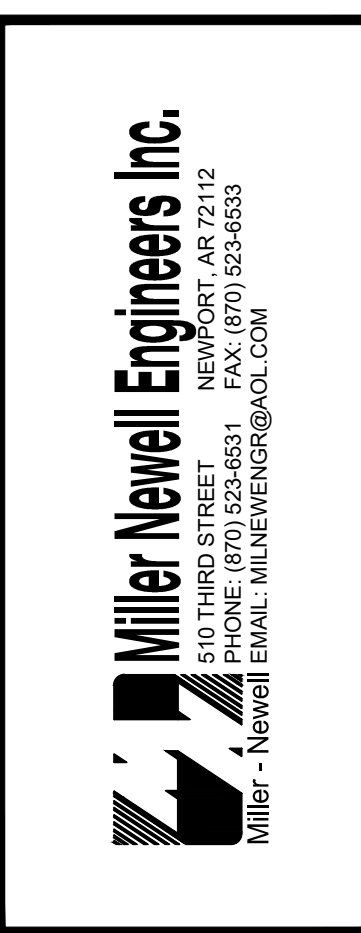


**SECTION A**  
N.T.S.

SITE DETAILS

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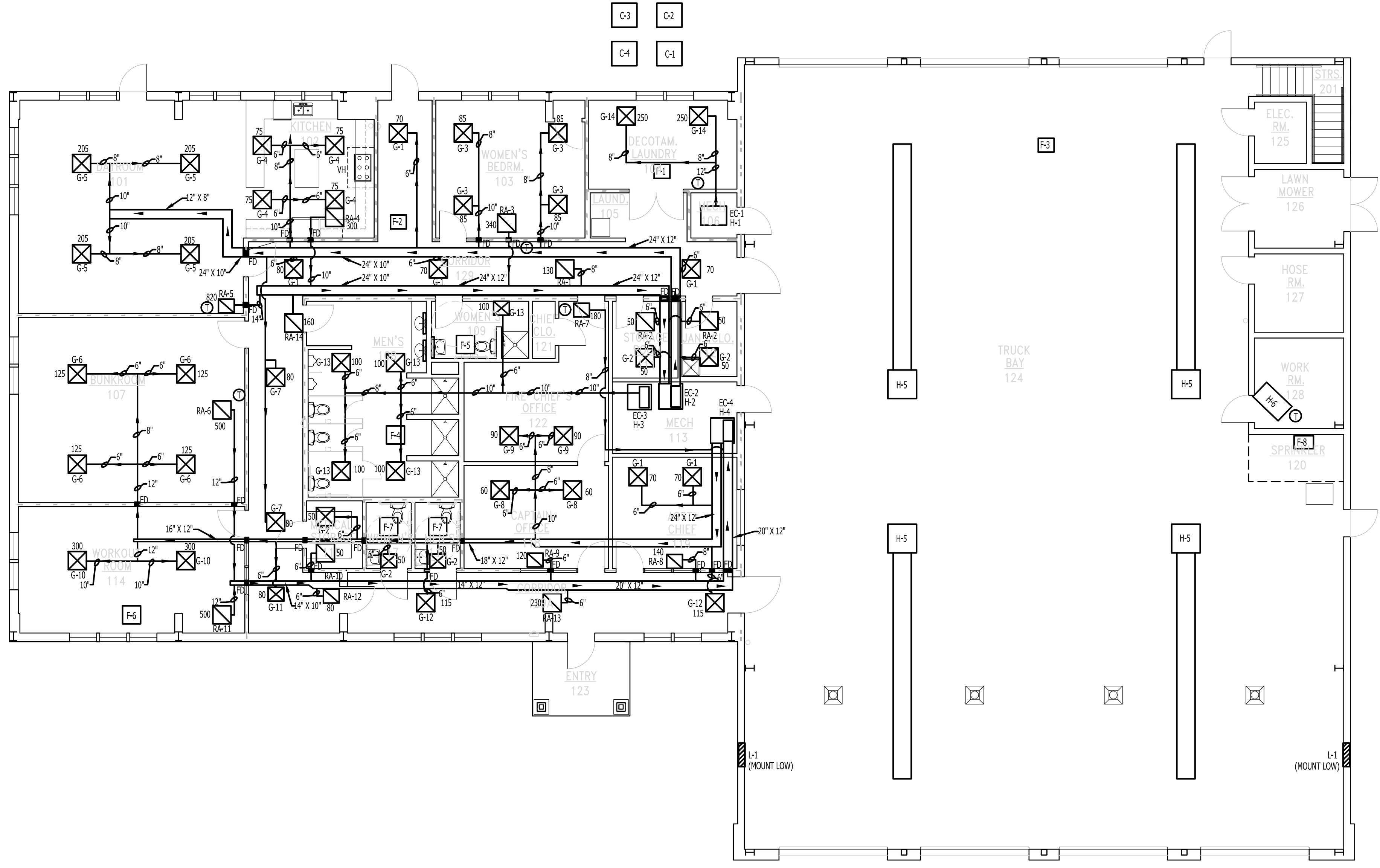


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PROPOSED:  
**TRUMANN FIRE STATION**  
801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
DRAWN BY: DD  
CHECKED BY: WM  
DATE: 10-11-2023  
REVISIONS:

SHEET NO.:  
**M101**



- LEGEND**
- FD = FIRE DAMPER
  - G-1 = SUPPLY AIR GRILL
  - RA-1 = RETURN AIR GRILL
  - ⊙ = THERMOSTAT
  - VH = VENT HOOD

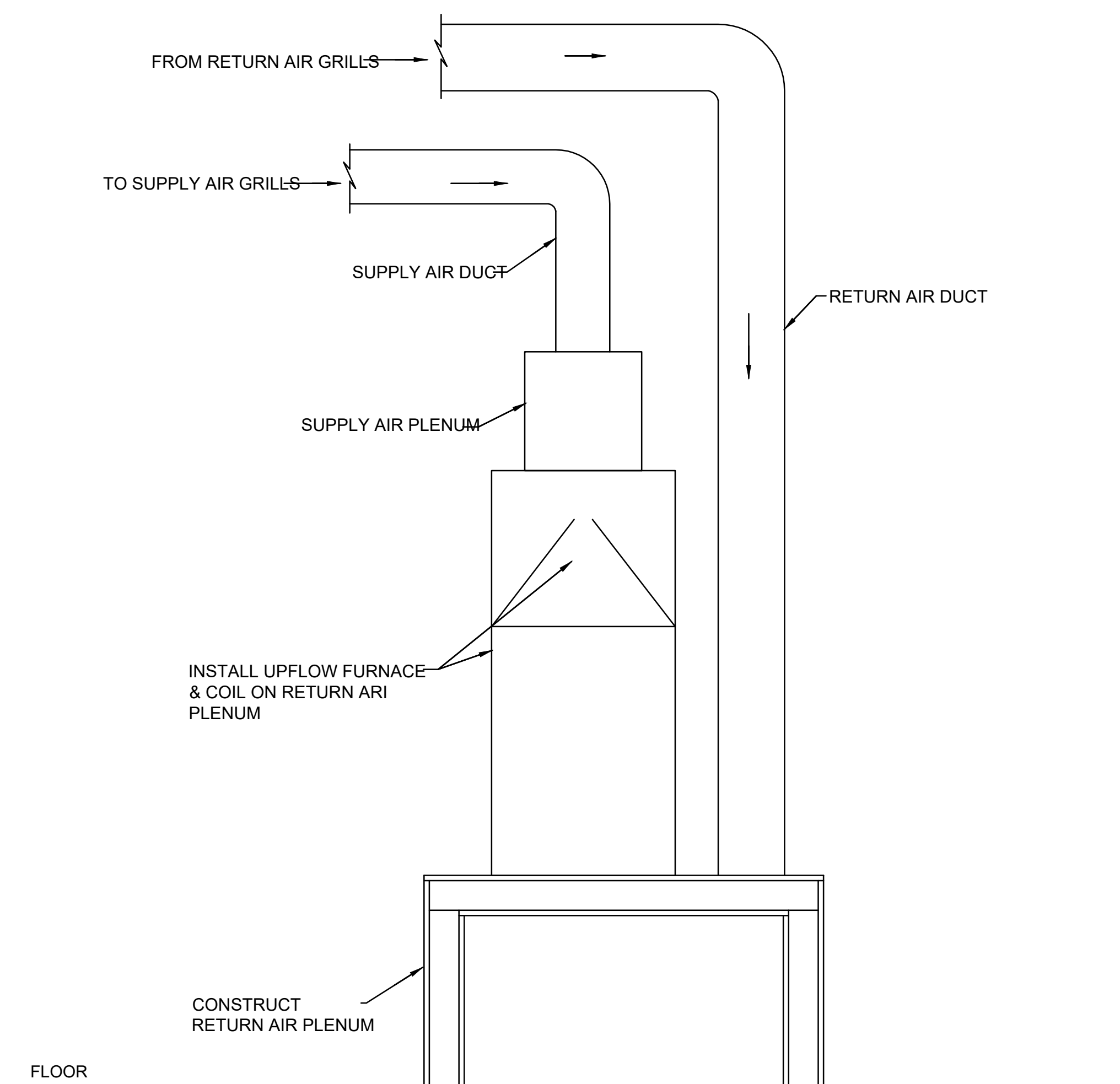
**MECHANICAL PLAN**  
SCALE: 1/8" = 1'-0"

# MECHANICAL PLAN

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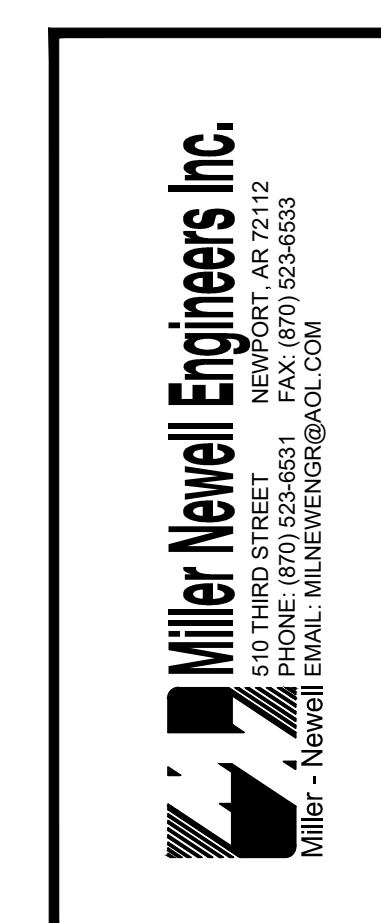
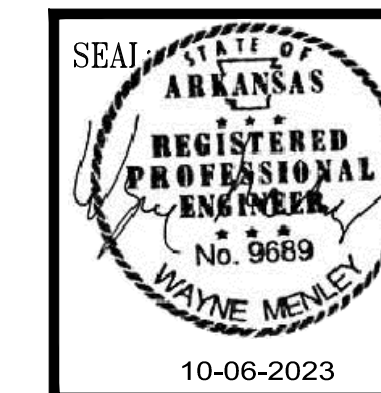
## MECHANICAL NOTES

- ALL INSTALLATIONS SHALL COMPLY WITH THE ARKANSAS MECHANICAL CODE.
- DUCTWORK SHALL BE GALVANIZED FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST PUBLICATION OF SMACNA STANDARDS, FOR LOW PRESSURE DUCT WORK.
- DUCT SIZES SHOWN ON THE DRAWINGS ARE ACTUAL SIZES REQUIRED AND DO NOT INCLUDE ALLOWANCE FOR INTERNAL INSTALLATION. RECTANGULAR DUCT FOR UNITS MUST BE INCREASED IN SIZE FROM THAT SHOWN ON THE DRAWINGS TO ALLOW FOR INSULATION.
- AIR FOIL TURNING VANES SHALL BE INSTALLED IN ALL ABRUPT ELBOWS. CONNECTION TO DIFFUSERS, GRILLS AND REGISTER FACES SHALL BE MADE ABSOLUTELY AIR TIGHT.
- FURNISH FLEXIBLE CONNECTIONS BETWEEN ALL DUCT WORK AND FANS OR FAN COIL UNITS. CONNECTIONS SHALL BE FLAME PROOF AND WATER PROOF.
- DIFFUSERS, GRILLS AND REGISTERS ARE SCHEDULED ON THE DRAWINGS. CENTER ALL DIFFUSERS TO COORDINATE WITH REFLECTED CEILINGS, LIGHTING, SPEAKERS, ETC.
- FURNISH VOLUME CONTROL DAMPERS TO PROVIDE CONTROL OF THE AIR FLOW FOR ALL SUPPLY AND RETURN DIFFUSERS AND REGISTERS. OPERATION SHALL BE FROM FACE OF THE GRILL.
- CONTRACTOR TO BALANCE THE AIRFLOW AS INDICATED ON THE DRAWINGS IN ACCORDANCE WITH ASHRAE STANDARDS.
- RECTANGULAR DUCT WORK, BOTH SUPPLY AND RETURN, SHALL BE INSULATED WITH 1" THICK 2 POUND DENSITY DUCT LINER WITH VINYL SPRAYED SURFACE TO THE AIR SIDE. THE LINER SHALL BE INSTALLED IN ACCORDANCE WITH DUCT LINER STANDARDS OF SMACNA. RETURN DUCT INSULATED ONLY IF INDICATED ON THE PLANS.
- ROUND DUCTWORK SHALL BE INSULATED WITH 2" THICK FIBERGLASS INSULATION WITH FIRE RESISTIVE VAPOR BARRIER JACKET.
- INSTALL FIRE DAMPERS AT ALL RATED WALL PENETRATIONS, WHERE SHOWN ON THE PLANS, AND AS REQUIRED BY CODE.
- F-1 SHALL BE INTERLOCKED WITH H-1 TO RUN WHEN H-1 IS OPERATING.
- F-2 SHALL BE INTERLOCKED WITH H-2 TO RUN WHEN H-2 IS OPERATING.
- TRUCK BAY EXHAUST REMOVAL SYSTEM DUCT SHALL BE HIGH PRESSURE SPIRAL DUCT FABRICATED IN ACCORDANCE WITH AMACNA STANDARDS.
- CONTRACTOR SHALL PROVIDE ALL REQUIRED HOSE DROPS, AND REQUIRED ACCESSORIES FOR A PROPER OPERATING EXHAUST REMOVAL SYSTEM IN THE TRUCK BAY AREA. CONTRACTOR SHALL VERIFY LOCATION OF EXHAUST DROPS WITH OWNER PRIOR TO INSTALLATION TO COORDINATE WITH TRUCK EXHAUST LOCATIONS.



INSTALLATION SCHEMATIC FOR UPFLOW GAS FURNACE AND BLOWER / COIL UNIT

MECHANICAL SCHEDULE					
MARK	DESCRIPTION	MANUFACTURER	MODEL	SIZE	REMARKS
G-1	SUPPLY GRILL	HART & COOLEY	FPD3	6"	70 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-2	SUPPLY GRILL	HART & COOLEY	FPD3	6"	50 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-3	SUPPLY GRILL	HART & COOLEY	FPD3	6"	85 CFM WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-4	SUPPLY GRILL	HART & COOLEY	FPD3	6"	75 CFM WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-5	SUPPLY GRILL	HART & COOLEY	FPD3	8"	205 CFM WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-6	SUPPLY GRILL	HART & COOLEY	FPD3	8"	125 CFM WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-7	SUPPLY GRILL	HART & COOLEY	FPD3	6"	80 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-8	SUPPLY GRILL	HART & COOLEY	FPD3	6"	60 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-9	SUPPLY GRILL	HART & COOLEY	FPD3	6"	90 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-10	SUPPLY GRILL	HART & COOLEY	FPD3	8"	300 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-11	SUPPLY GRILL	HART & COOLEY	FPD3	6"	80 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-12	SUPPLY GRILL	HART & COOLEY	FPD3	6"	115 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-13	SUPPLY GRILL	HART & COOLEY	FPD3	6"	100 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
G-14	SUPPLY GRILL	HART & COOLEY	FPD3	8"	250 CFM, WITH BUTTERFLY DAMPER, 24" X 24" GRILL
RA-1	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	130 CFM
RA-2	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	50 CFM
RA-3	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	340 CFM
RA-4	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	300 CFM
RA-5	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	820 CFM
RA-6	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	500 CFM
RA-7	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	180 CFM
RA-8	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	140 CFM
RA-9	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	120 CFM
RA-10	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	50 CFM
RA-11	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	500 CFM
RA-12	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	80 CFM
RA-13	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	230 CFM
RA-14	RETURN GRILL	HART & COOLEY	RH45T	24"x24"	160 CFM
H-1	UPFLOW GAS FURNACE	LENNOX	ML196UH045XE36B	44,000 BTUH INPUT / 43,000 BTUH OUTPUT	96% AFUE, 0.9" SP, SET AIR FLOW TO 500 CFM, PROVIDE 500 CFM FRESH AIR AND FRESH AIR INTAKE
H-2	UPFLOW GAS FURNACE	LENNOX	ML196UH135XE60D	132,000 BTUH INPUT / 127,000 BTUH OUTPUT	96% AFUE, 0.9" SP, PROVIDE 150 CFM FRESH AIR AND FRESH AIR INTAKE
H-3	UPFLOW GAS FURNACE	LENNOX	ML196UH045XE36B	44,000 BTUH INPUT / 43,000 BTUH OUTPUT	96% AFUE, 0.9" SP, SET AIR FLOW TO 500 CFM, PROVIDE 500 CFM FRESH AIR AND FRESH AIR INTAKE
H-4	UPFLOW GAS FURNACE	LENNOX	ML196UH135XE60D	132,000 BTUH INPUT / 127,000 BTUH OUTPUT	96% AFUE, 0.9" SP, PROVIDE 200 CFM FRESH AIR AND FRESH AIR INTAKE
H-5	TUBE HEATER	SPACE-RAY	LTS50-25	50,000 BTUH	25" TUBE
H-6	SUSPENDED HEATER	MODINE	HER 30	3 KW	208 VOLT, 1-PHASE, PROVIDE REMOTE MOUNT THERMOSTAT
EC-1	EVAPORATOR COIL	LENNOX	C35-30B+TDR+TXV	3 TON	CASED COIL
EC-2	EVAPORATOR COIL	LENNOX	C35-60D+TDR+TXV	5 TON	CASED COIL
EC-3	EVAPORATOR COIL	LENNOX	C35-30B+TDR+TXV	3 TON	CASED COIL
EC-4	EVAPORATOR COIL	LENNOX	C35-24B+TDR+TXV	5 TON	CASED COIL
C-1	CONDENSING UNIT	LENNOX	ML17XC1-036-208	3 TON	208 VOLT, 1-PHASE
C-2	CONDENSING UNIT	LENNOX	ML17XC1-060-208	5 TON	208 VOLT, 1-PHASE
C-3	CONDENSING UNIT	LENNOX	ML17XC1-036-208	3 TON	208 VOLT, 1-PHASE
C-4	CONDENSING UNIT	LENNOX	ML17XC1-060-208	5 TON	208 VOLT, 1-PHASE
F-1	VENTILATION FAN	GREENHECK	SP-A700-VG	600 CFM	0.25" SP, PROVIDE DUCT, PROVIDE ROOF CAP
F-2	VENTILATION FAN	GREENHECK	SP-A1050-VG	150 CFM	0.25" SP, PROVIDE DUCT, PROVIDE ROOF CAP
F-3	VENTILATION FAN	GREENHECK	CUE-300-C-VGD	9,200 CFM	0.8" SP, PROVIDE ROOF CURB, PROVIDE BACKDRAFT DAMPER, 208 VOLT, 3-PHASE
F-4	VENTILATION FAN	GREENHECK	SP-A510-VG	450 CFM	0.25" SP, PROVIDE DUCT, PROVIDE ROOF CAP
F-5	VENTILATION FAN	GREENHECK	SP-A390-VG	125 CFM	0.25" SP, PROVIDE DUCT, PROVIDE ROOF CAP
F-6	VENTILATION FAN	GREENHECK	SP-A110	100 CFM	0.25" SP, PROVIDE DUCT, PROVIDE ROOF CAP
F-7	VENTILATION FAN	GREENHECK	SP-AP0511W	75 CFM	0.25" SP, PROVIDE DUCT, PROVIDE ROOF CAP
L-1	LOUVER	GREENHECK	ESJ-401	48"x42"	PROVIDE MOTORIZED DAMPER, PROVIDE SCREEN, INTERLOCK WITH F-3
VH	VENT HOOD	BROAN	F40000	36"	STAINLESS STEEL, PROVIDE AND INSTALL GUARDIAN G500-B FIRE SUPPRESSION SYSTEM
T	THERMOSTAT	EMERSON	1F95-1280		
F-8	EXHAUST SYSTEM FAN	MAGNA GRIP	CF363-7.5	7.5 HP	4400 CFM, 6" SP, 208 VOLT, 3Ø



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PROPOSED:  
**TRUMANN FIRE STATION**  
 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
 DRAWN BY: DD  
 CHECKED BY: WM  
 DATE: 10-11-2023  
 REVISIONS:

SHEET NO.:

M102

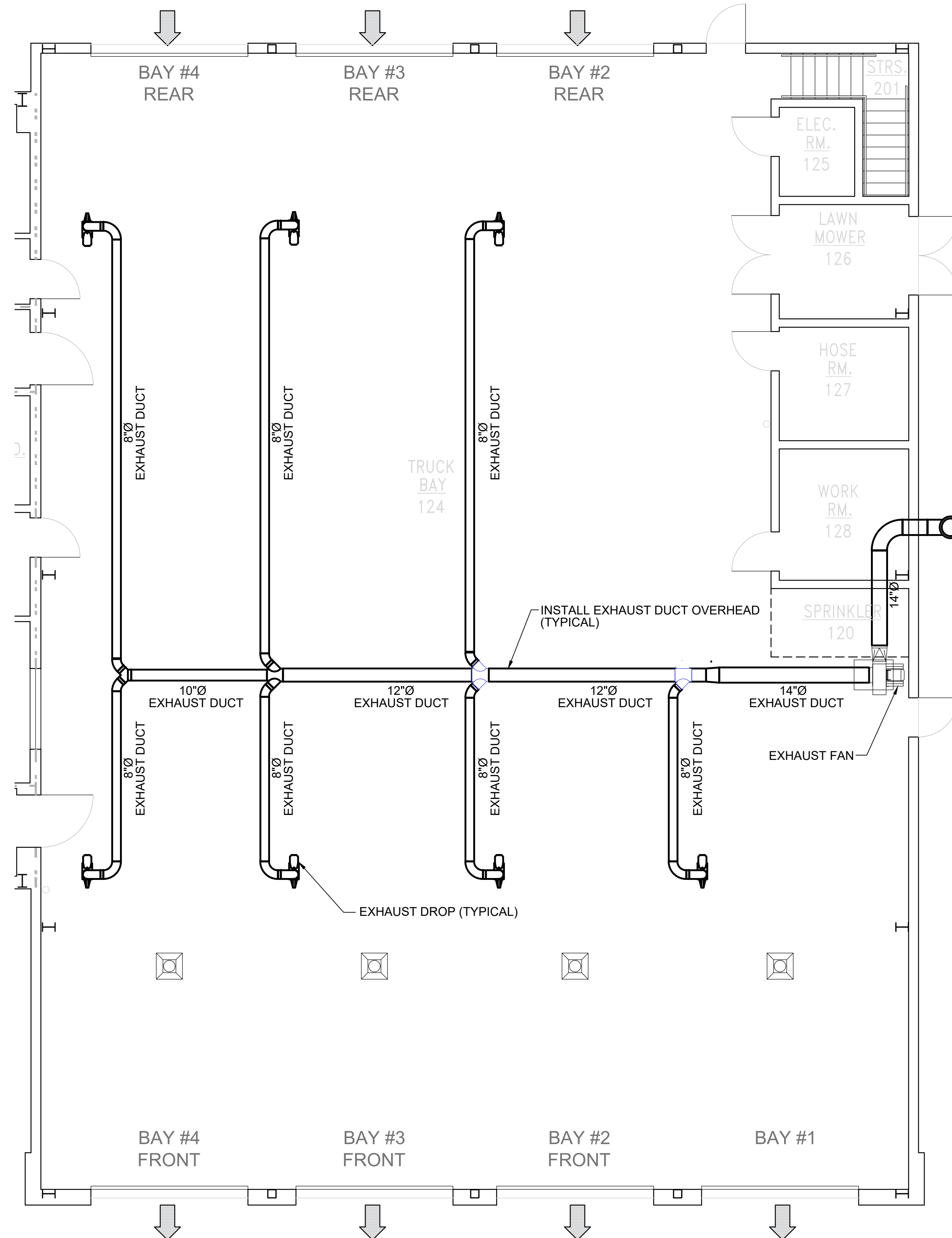
## MECHANICAL SCHEDULE

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GENERAL CONSTRUCTION NOTES:

1. FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY DRAWINGS ARE DIAGRAMMATIC AND DESIGN INTENT ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
2. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES IN ACCORDANCE WITH 2019 ICC (IBC, IMC).
3. ALL NEW MATERIAL METHODS, AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE BUILDING STANDARDS AS APPROVED.
4. CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
5. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EXHAUST FANS, DUCTWORK, AND EXHAUST DROPS WITH FIRE DEPARTMENTS, LIGHTING, AND ALL CONDITIONS.
6. ALL EXHAUST DUCTWORK SHALL BE SPIRAL SEAM GALVANIZED STEEL FABRICATED AND INSTALLED IN ACCORDANCE WITH CHAPTER 6 OBBC MC AND SMACNA STANDARD MANUAL.
7. SHEET METAL DUCT DIMENSIONS SHOWN ARE AIRWAY DIMENSIONS.
8. BALANCE EXHAUST SYSTEM AND EACH EXHAUST DROP MEET AIR QUANTITIES AS REQUIRED.



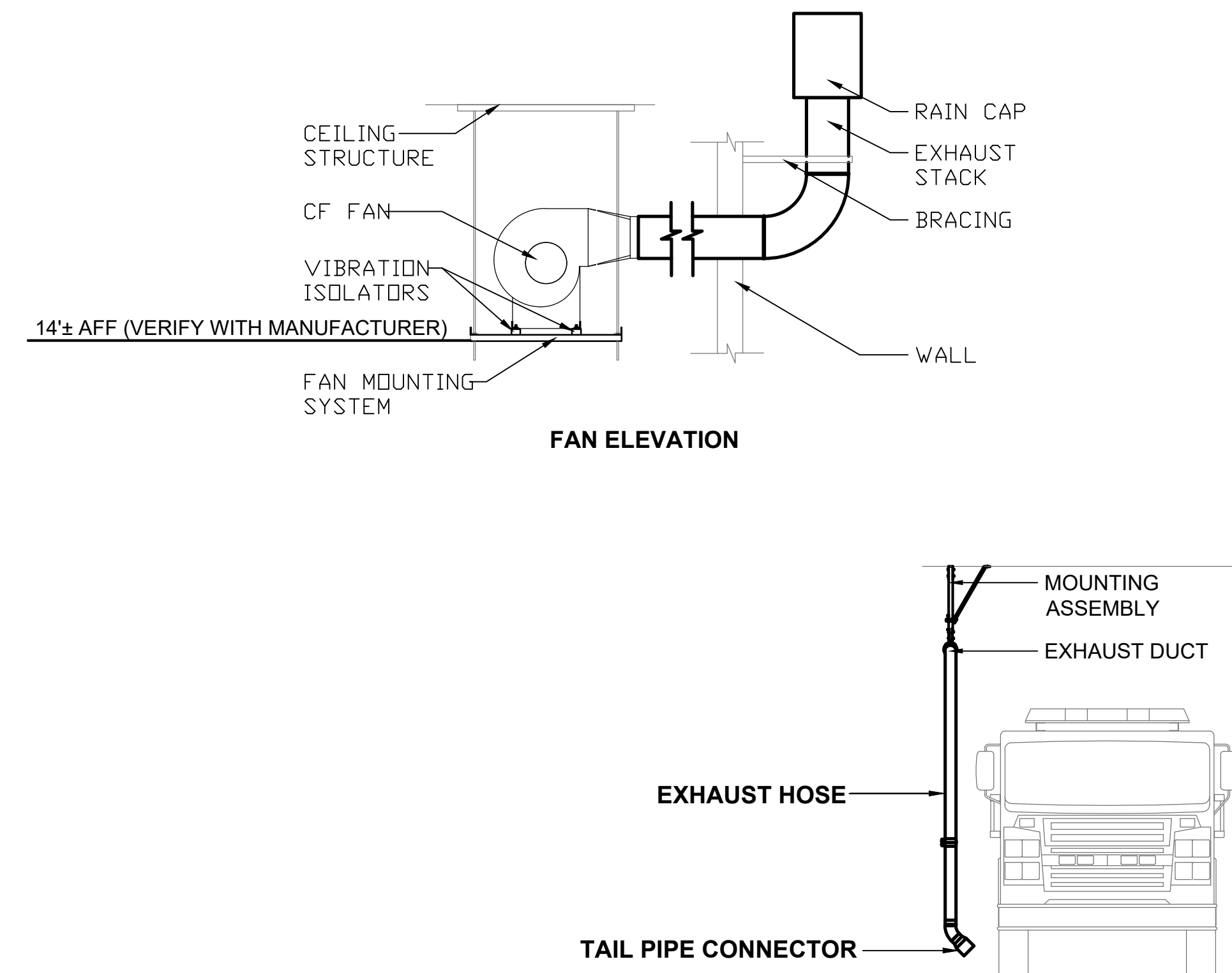
FAN SCHEDULE								
FAN TYPE	ID#	AIRFLOW (CFM)	RPM	STATIC PRESSURE (IN - WC)	VOLTS / PHASE	HP	BREAKER	WIRE
MAGNEGRIP	CF363-7.5	4400	3450	6 SP	3ph	7.5	50 AMP	#6THHN

REMARKS:

A. THE EXHAUST SYSTEM SHALL PROVIDE 7 HOSE DROPS WITH 600 CFM PER HOSE DROP.

B. PROVIDE ELBOWS, HIGH TEMPERATURE HOSE, HOSE CLAMPS, NOZZLES, TAILPIPE CONNECTORS, FRESH AIR INTAKE, AND OTHER ITEMS REQUIRED FOR A COMPLETE INSTALLATION.

C. PROVIDE CONTROL PANEL ACTIVATION, PRESSURE SENSORS, TRANSMITTERS, AND ADDITIONAL COMPONENTS IF REQUIRED FOR AUTOMATIC FAN CONTROL.



TRUCK BAY EXHAUST SYTEM



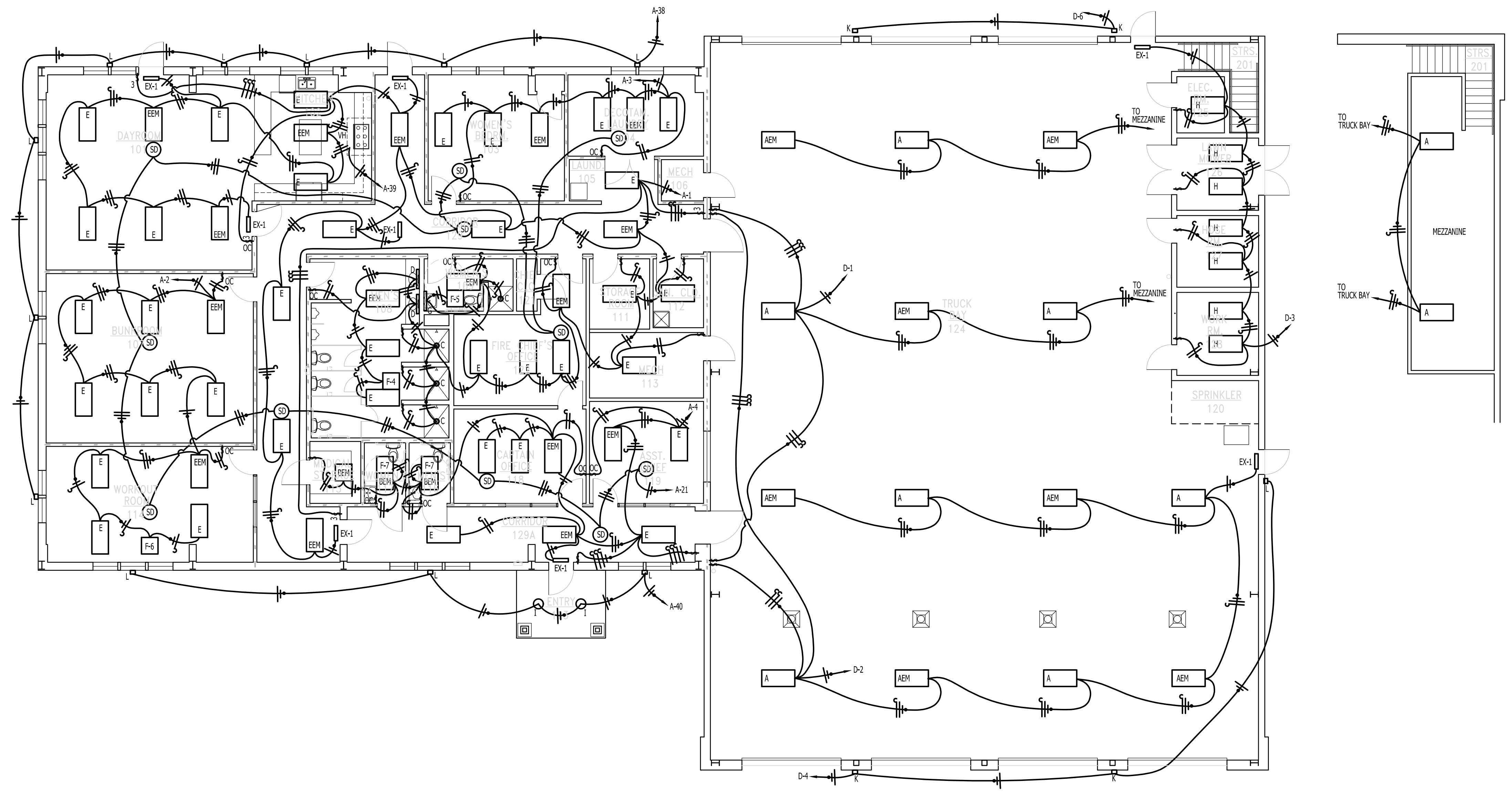
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PROPOSED:  
**TRUMANN FIRE STATION**  
 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
 DRAWN BY: DD  
 CHECKED BY: WM  
 DATE: 10-11-2023  
 REVISIONS:

SHEET NO.:  
**M103**

LIGHTING SCHEDULE				
MARK	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
A	HIGH BAY LED	LITHONIA	IBL 24L WD SD125 LP840	24,000 LUMENS, WIDE DISTRIBUTION
AEM	HIGH BAY LED	LITHONIA	IBL 24L WD SD 125 LP840 12412	24,000 LUMENS, WIDE DISTRIBUTION, WITH BATTERY PACK
BEM	RECESSED LED	LITHONIA	ZVTL2 48L ADP LP840 EL7L	4,800 LUMENS, WITH BATTERY PACK
C	DOWNLIGHT	LITHONIA	LDN6 30/15 L06AR LSS	1,500 LUMENS, WET LOCATION
D	WALL SCONCE	PROGRESS	P300440	3-LIGHT WALL SCONCE, PROVIDE LED BULBS
E	DOWNLIGHT	LITHONIA	STAK2X45000LM80CRI35KCOLMINIEZT120	5,000 LUMENS
EEM	DOWNLIGHT	LITHONIA	STAK2X45000LM80CRI35KCOLMINIEZT120E7W	5,000 LUMENS, WITH BATTERY PACK
EX-1	EXIT LIGHT	LITHONIA	LQMSW3R MVOLT ELN 50	
G	WALL SCONCE	PROGRESS	P300439	2-LIGHT WALL SCONCE, PROVIDE LED BULBS
H	SURFACE MOUNT	LITHONIA	SBL4 LP840	3,933 LUMENS
I	DOWN LIGHT	LITHONIA	LONG 35/20 L06ARL55	2,000 LUMENS
K	WALL MOUNT	LITHONIA	WDGE3 LED P4 40K 70CRI R4 MVOLT	12,000 LUMENS
L	WALL MOUNT	LITHONIA	WDGE2 LED P5 40K 70CRI T4M MVOLT	6850 LUMENS ADJUSTABLE
SD	SMOKE DETECTOR/ CARBON DIOXIDE DETECTOR	UNIVERSAL SECURITY INSTALLMENTS	MIC15095	COMBINATION SMOKE + FIRE + CARBON MONOXIDE DETECTOR WITH BATTERY BACK-UP. INTERCONNECT ALL DETECTORS.

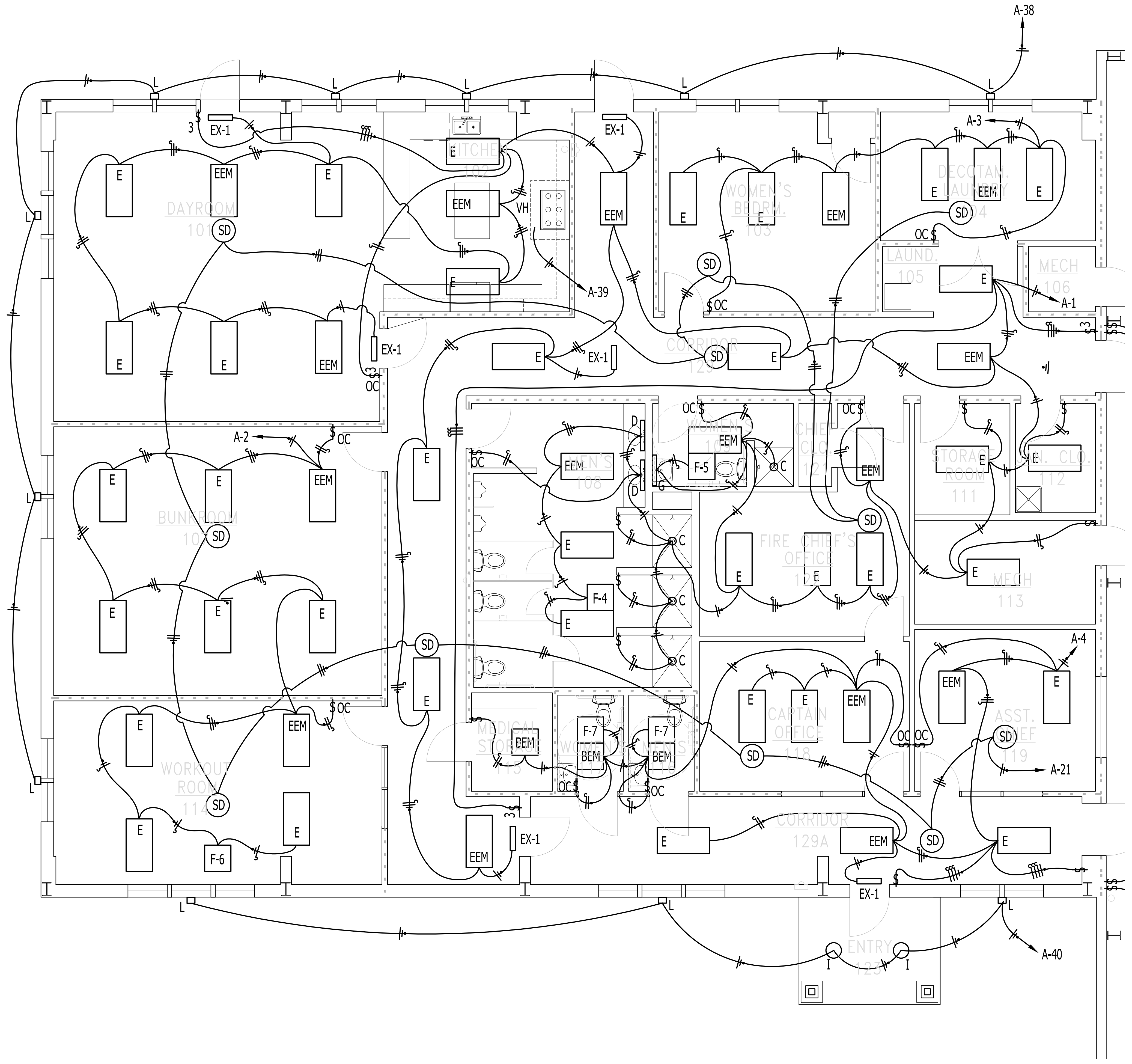


**LIGHTING PLAN**  
 SCALE: 1/8" = 1'-0"

**LIGHTING PLAN**

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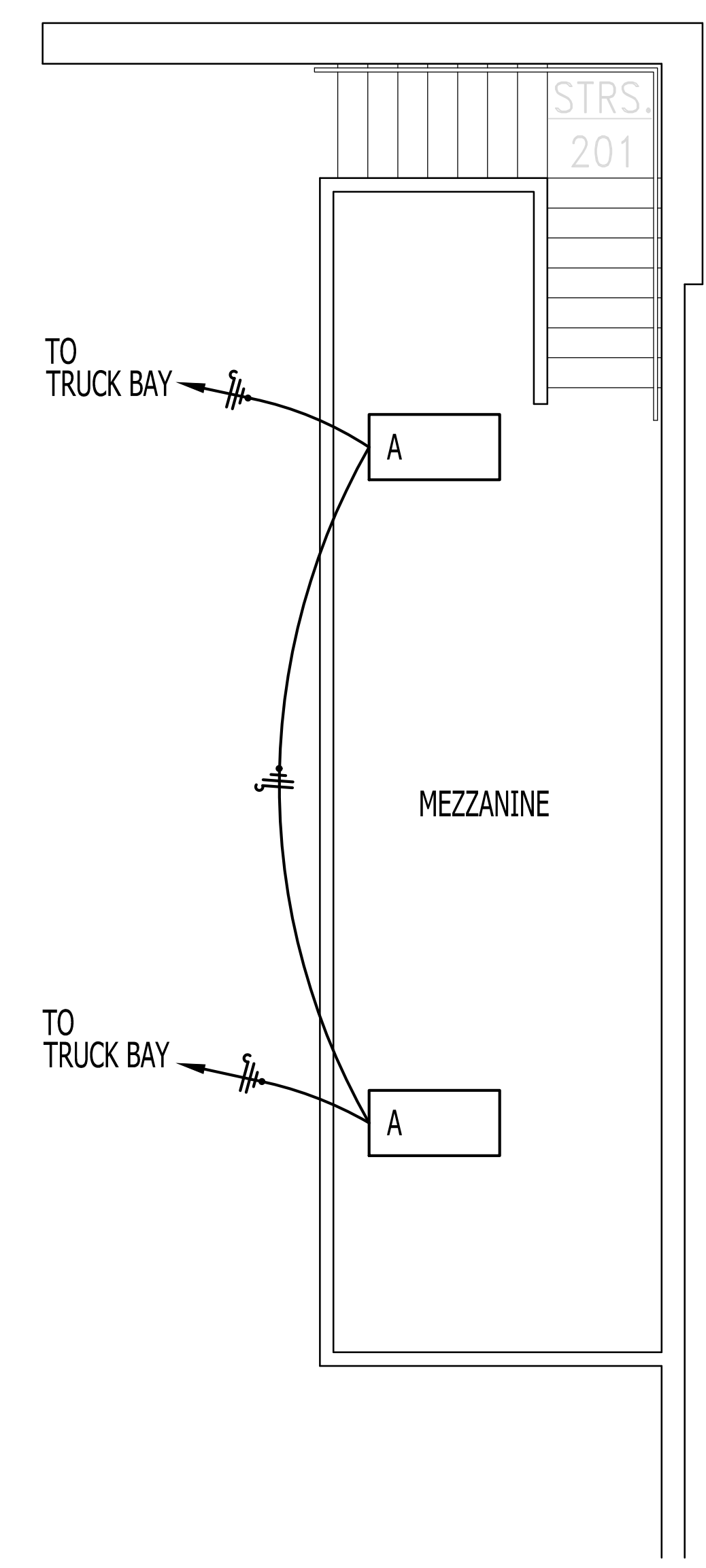
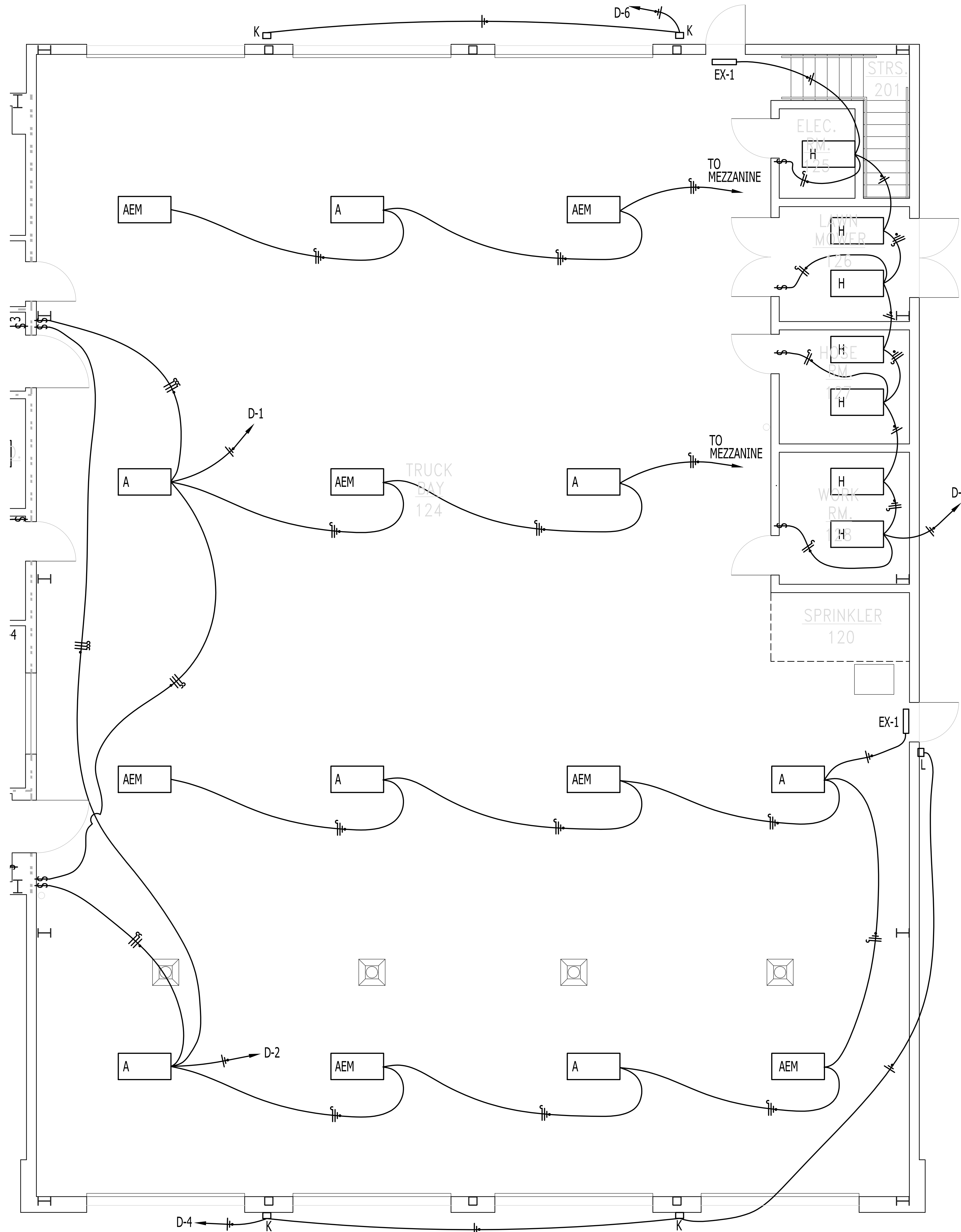




**LIGHTING PLAN**  
 SCALE: 1/4" = 1'-0"

LIGHTING PLAN

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

# LIGHTING PLAN



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**TRUMANN FIRE STATION**  
801 WEST MAIN ST, TRUMANN, AR 72472

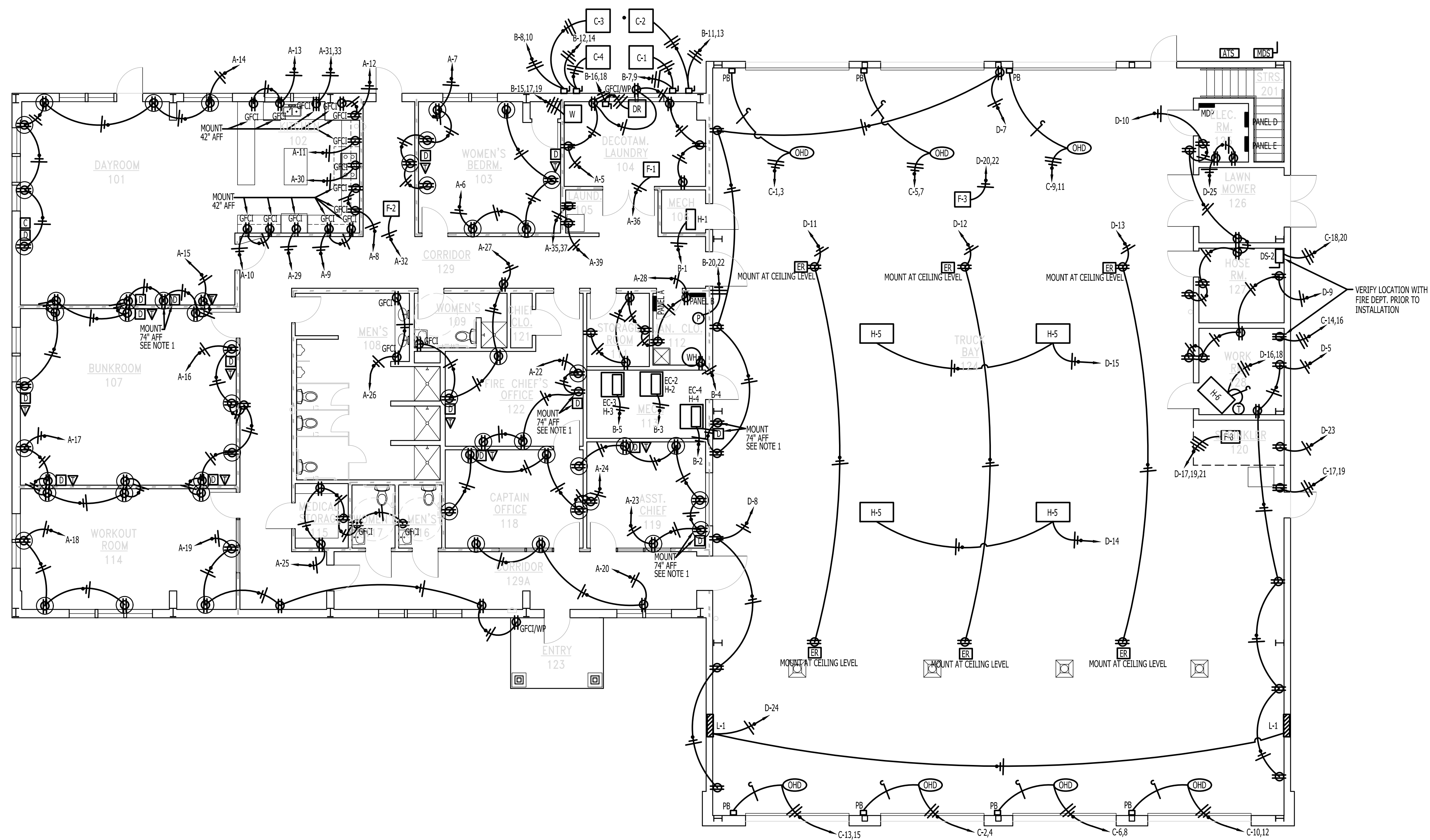
PROJECT NO.: 2023-02  
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ELECTRICAL SCHEDULE					
MARK	DESCRIPTION	MANUFACTURER	MODEL	SIZE	REMARKS
MDS	MAIN DISCONNECT	CUTLER HAMMER	DH326NRK	600 AMP	208 VOLT, 3-PHASE, FUSED, NEMA 3R
MDP	MAIN PANEL	CUTLER HAMMER	POW R LINE 4	600 AMP	208 VOLT, 3-PHASE, MAIN LUG
PANEL A	LOAD CENTER	CUTLER HAMMER	CH42L3225G	225 AMP	208 VOLT, 3-PHASE
PANEL B	LOAD CENTER	CUTLER HAMMER	CH30L3225D	225 AMP	208 VOLT, 3-PHASE
PANEL C	LOAD CENTER	CUTLER HAMMER	CH42L3225G	225 AMP	208 VOLT, 3-PHASE
PANEL D	LOAD CENTER	CUTLER HAMMER	CH30L3225D	225 AMP	208 VOLT, 3-PHASE
DS-1	DISCONNECT SWITCH	CUTLER HAMMER	DPJ222RGF15WRTR	60 AMP	240 VOLT, 1-PHASE, NEMA 3R, PROVIDE 15 AMP GFCI OUTLET.
DS-2	DISCONNECT SWITCH	CUTLER HAMMER	DH262UGK	60 AMP	208 VOLT, 1-PHASE, NEMA 1
DS-3	DISCONNECT SWITCH	CUTLER HAMMER	DH362URK	60 AMP	208 VOLT, 3-PHASE, NEMA 3R
T-1	PROGRAMMABLE TIMER	TORK	DG100A		7 DAY PROGRAMMABLE
T-2	PROGRAMMABLE TIMER	TORK	E101B		24 HOUR PROGRAMMABLE
CT-1	CONTACTOR	CUTLER HAMMER	CN35	20 AMP	120 VOLT
ATS	AUTOMATIC TRANSFER SWITCH	KOHLER	SEE SPECIFICATIONS	600 AMP	SEE SPECIFICATIONS
GENERATOR	STANDBY GENERATOR	KOHLER	KG100	100 KW	SEE SPECIFICATIONS
ER	CORD REEL	REEL CRAFT	L 700 75 123 9		TRIPLE TAP OUTLET, 75'



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

**ELECTRICAL PLAN**

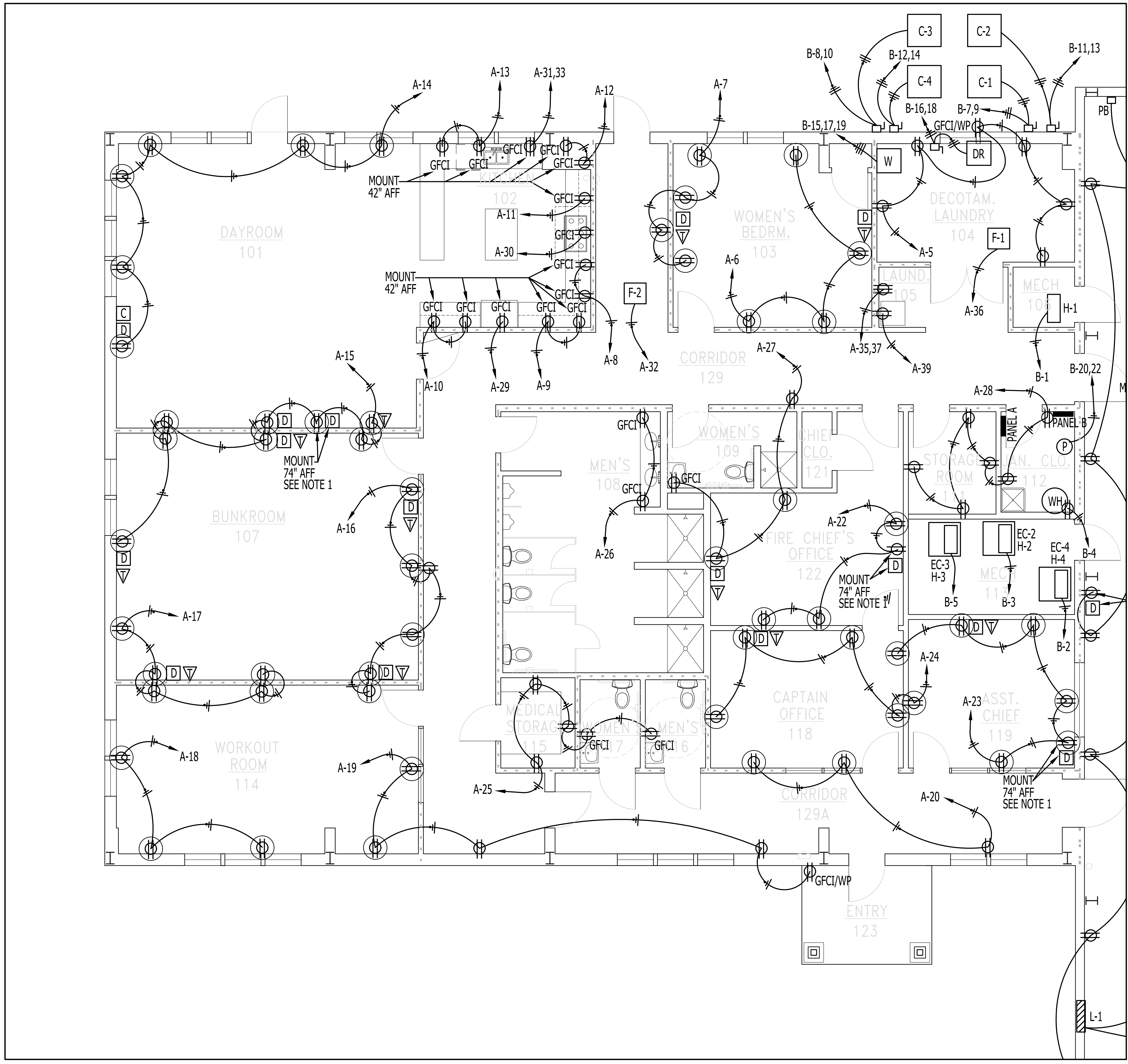


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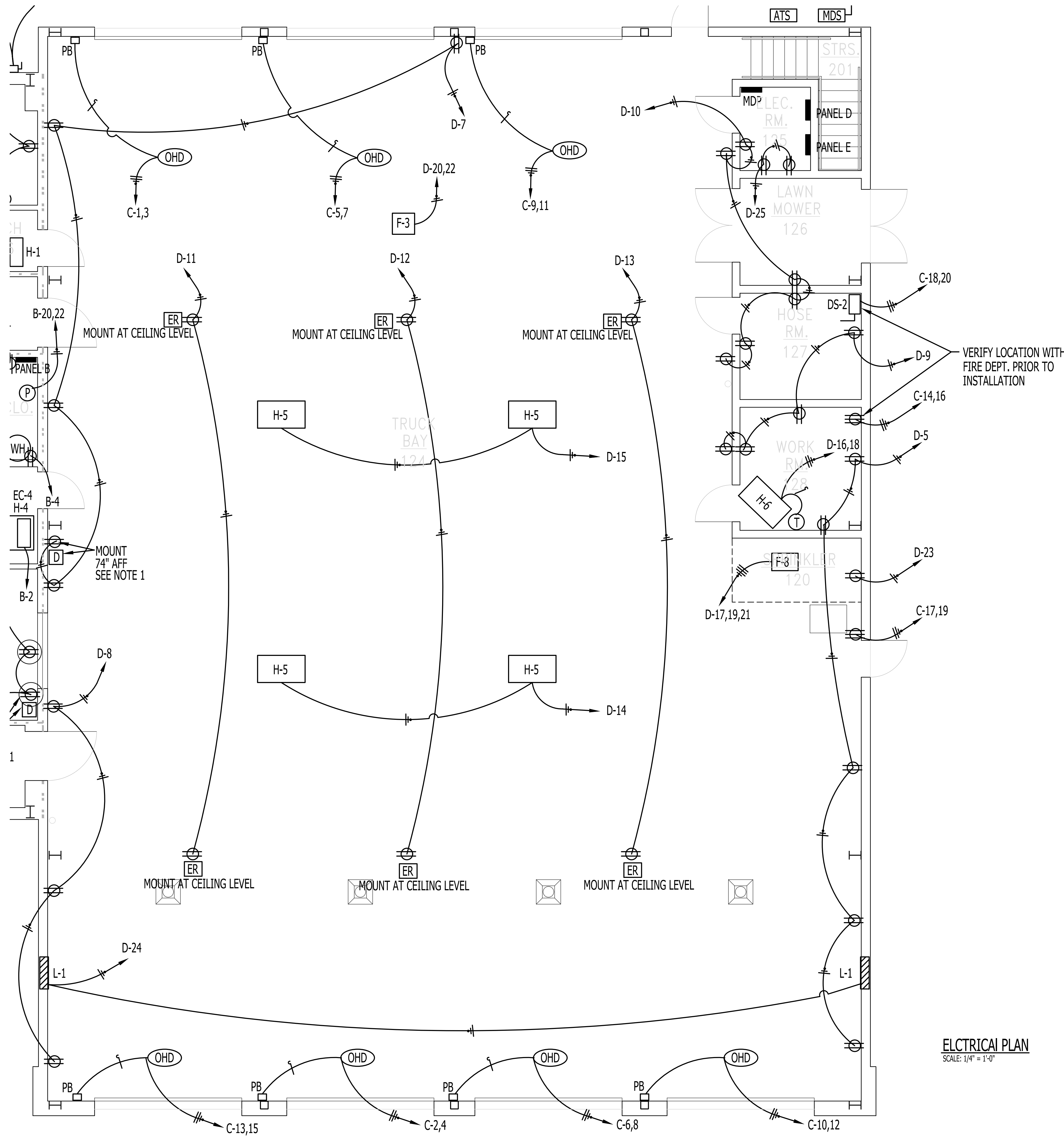


**ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

**ELECTRICAL PLAN**

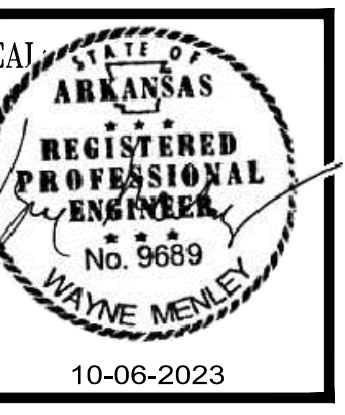
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**ELECTRICAL PLAN**  
SCALE: 1/4" = 1'-0"

# ELECTRICAL PLAN



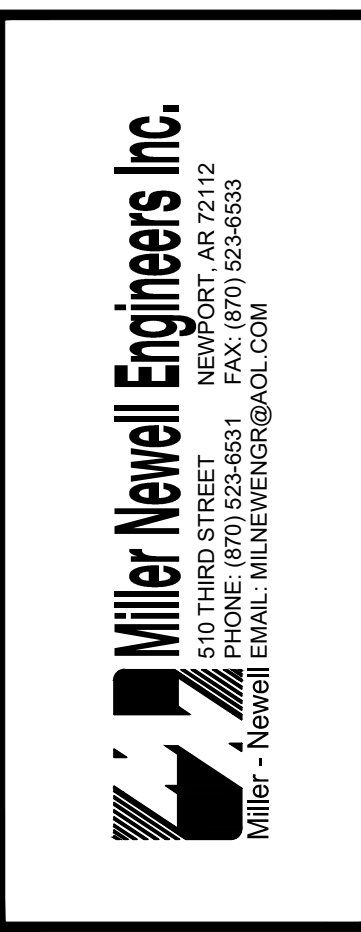
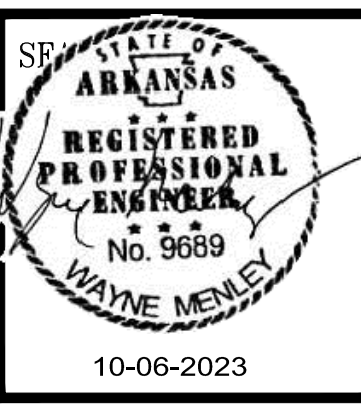
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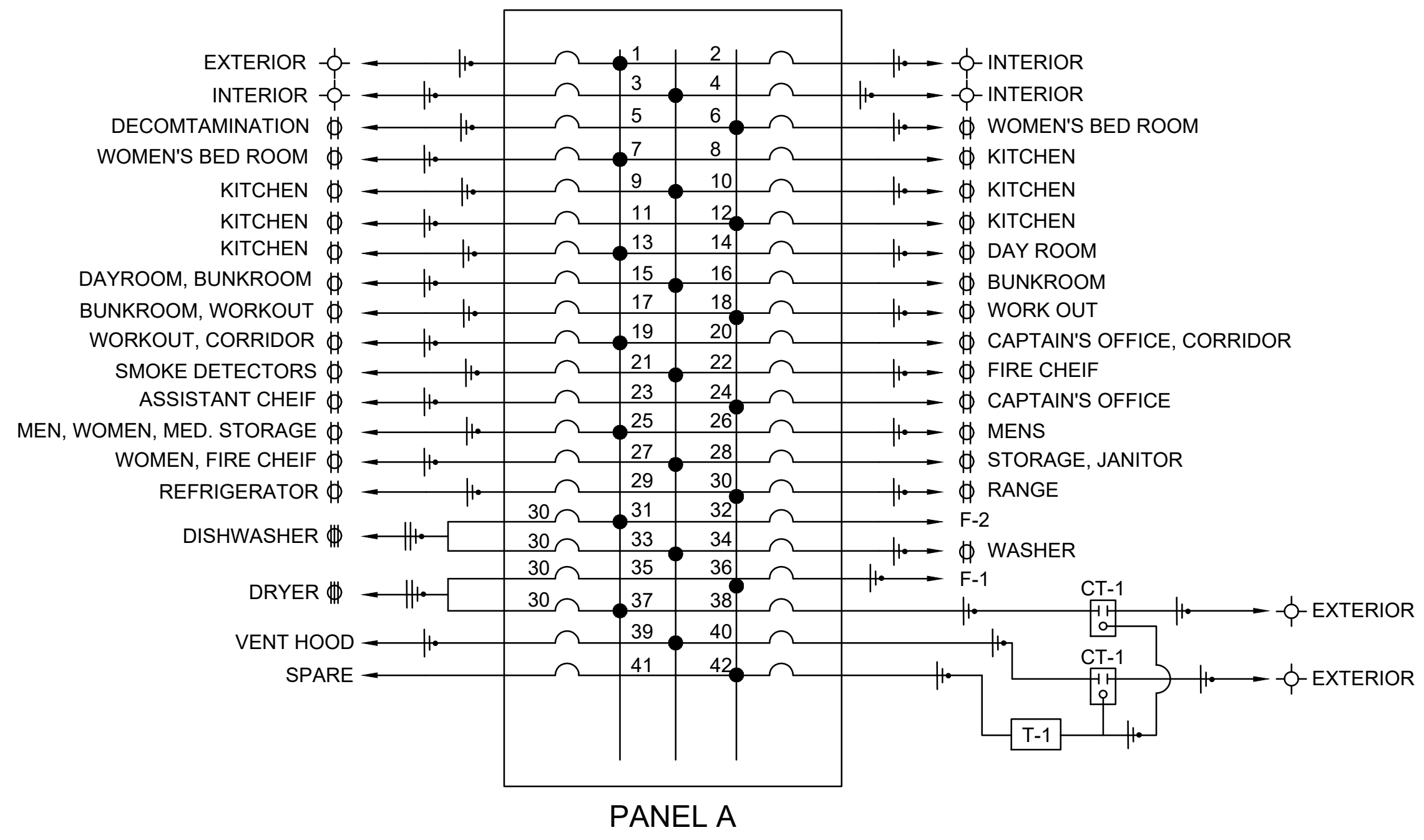


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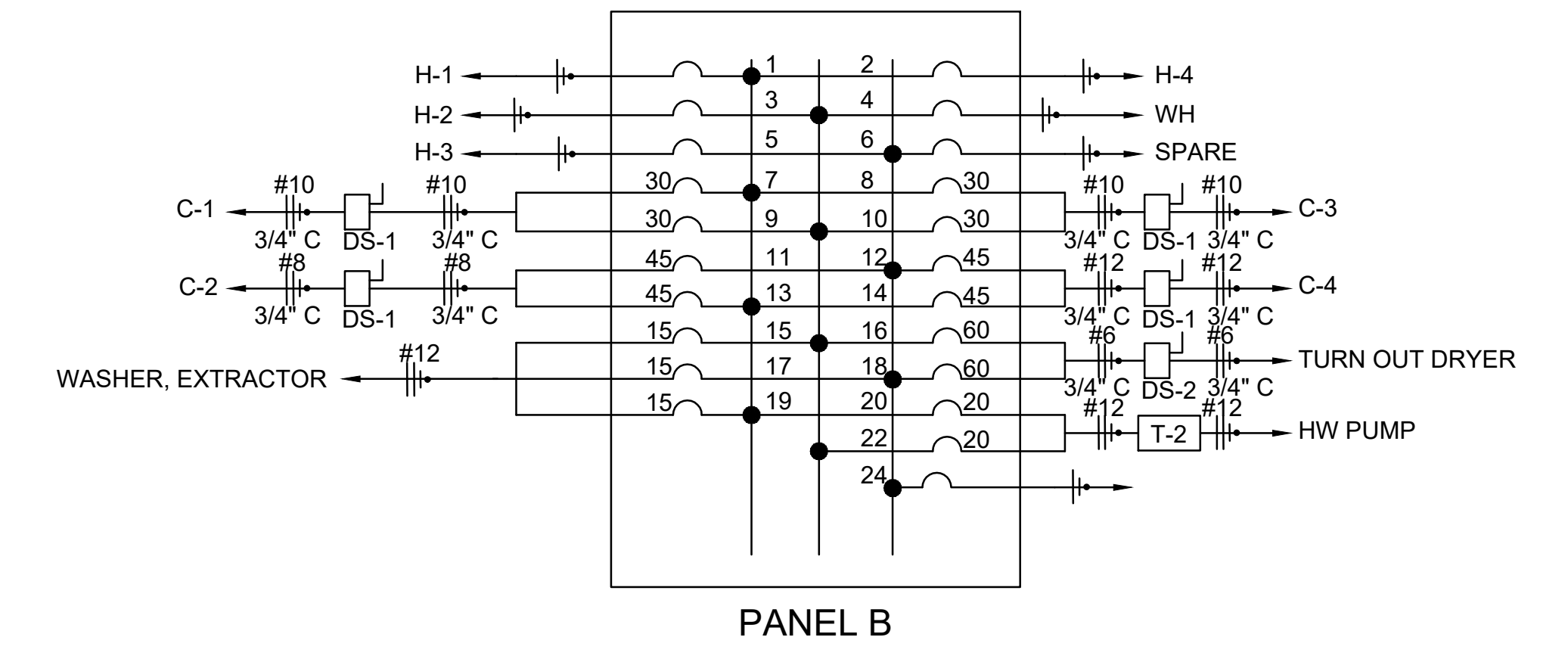
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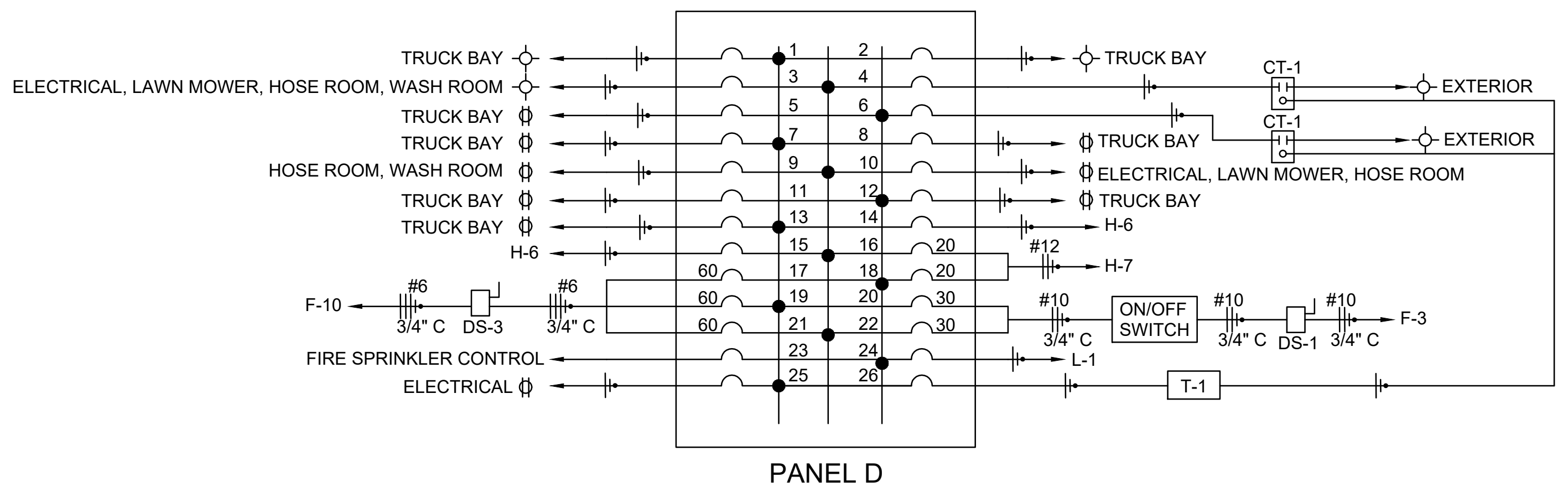
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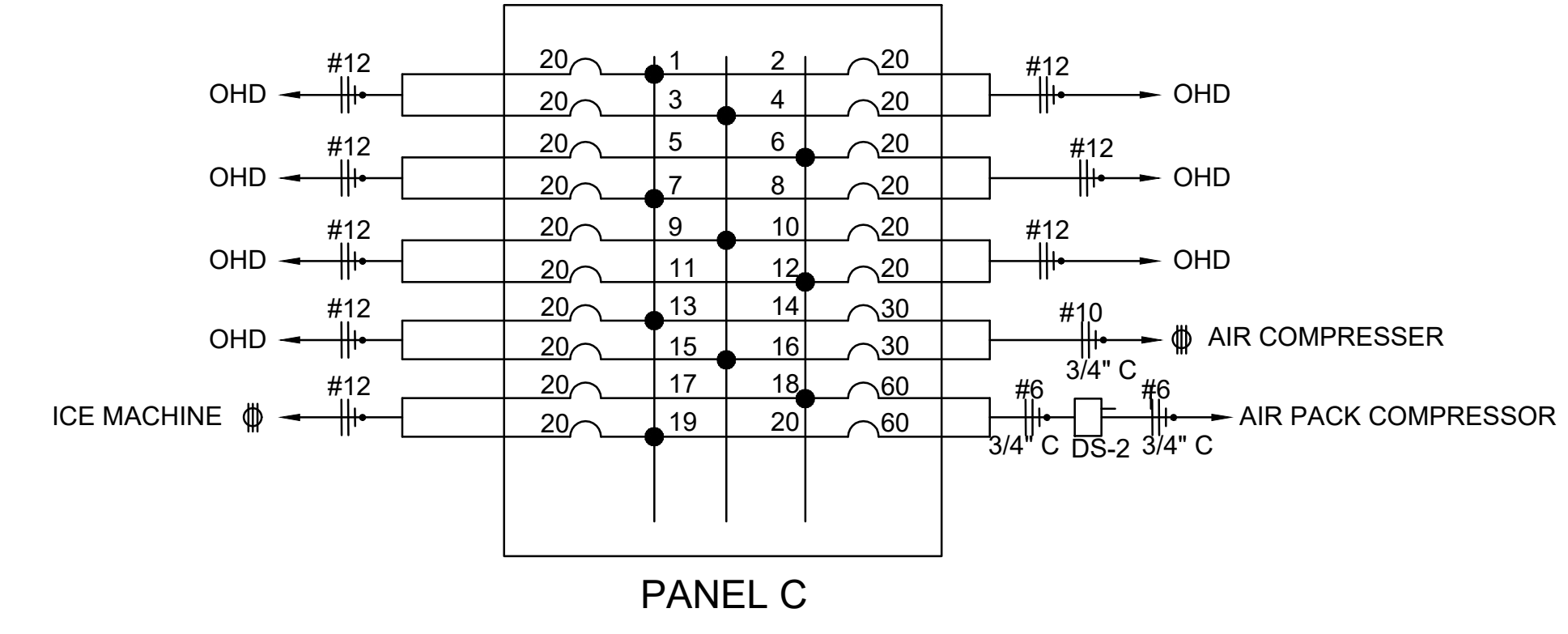
PANEL A



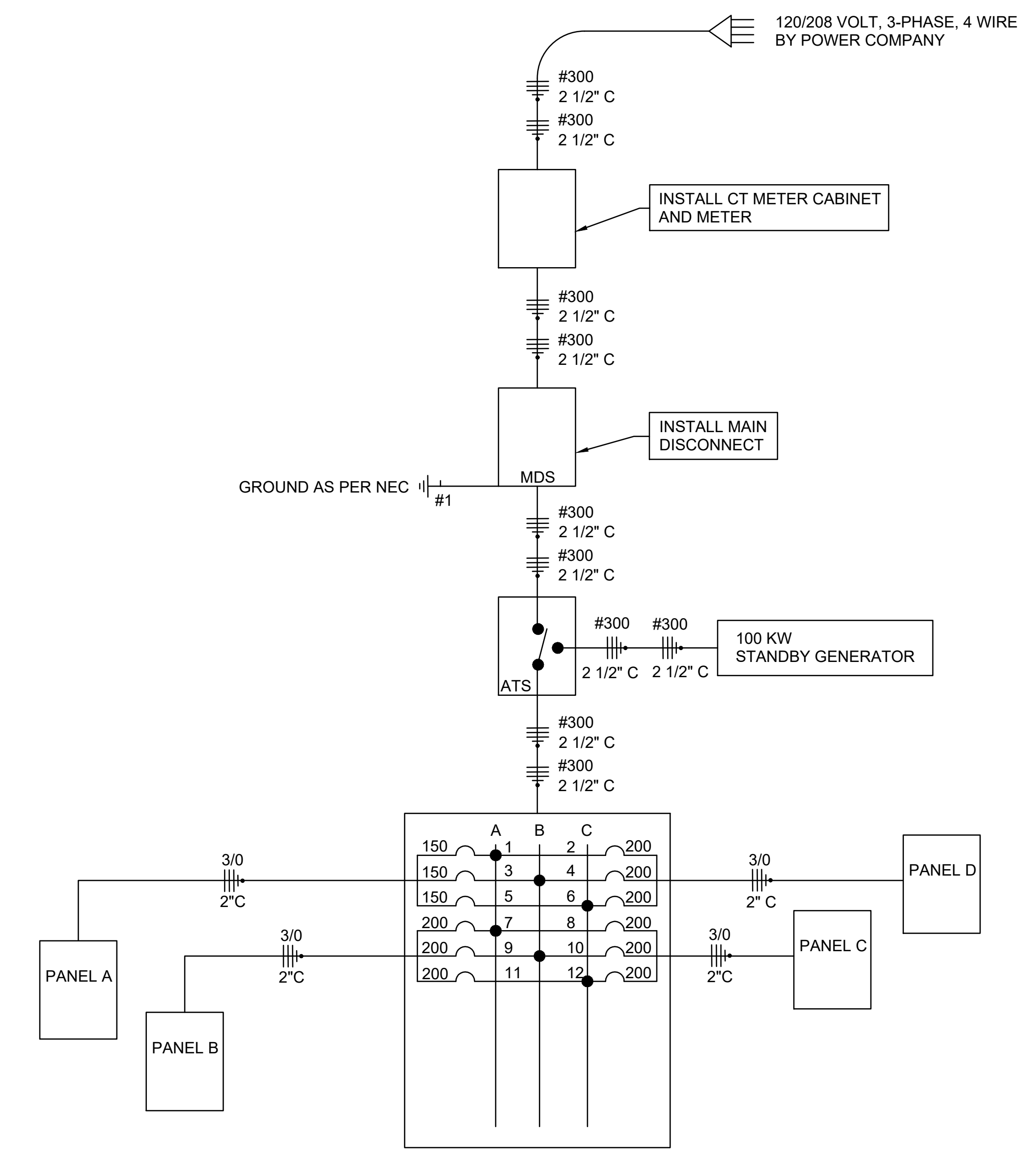
PANEL B



PANEL D



PANEL C



ELECTRICAL SCHEMATICS

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## Firehouse Alerting Project Notes

### Electrical Contractor Scope of Work:

1. Provide permit if needed
2. Provide wire
3. Provide wire runs per NFPA 70 code
4. All wire runs to be clearly tagged & labeled
5. Provide all wiring materials (hangars, conduit, surface mold, wire ties, boxes, etc...)
6. Provide high voltage electrical relay connections if needed
7. Provide other high voltage connections if needed
8. Provide electrical power where needed (dedicated/undicated)
9. Provide complete system installation (including head end equipment)
10. Provide as-built drawings after installation
11. Provide 1 year of warranty on labor
12. Provide an on-site representative when final connections are made

### APS Scope of Work:

1. Provide shop drawings of field devices
2. Provide system components
3. Provide technical support to electrical contractor: 410-239-4644
4. Provide all programming and calibrations
5. Provide end user training
6. Provide 1 year of system warranty – Elect. Cont. may assist APS for payment to make repairs/replacements as needed

### Wire Specifications:

#### Honeywell:

#### Non-Plenum

Product Number	Connectors	Color	Length
11251009	16/2 STR	Gray	1000'
11261009	16/4 STR	Gray	1000'
12145509	16/2 STR OAS	Gray	500'
11201009	16/6 STR	Gray	1000'
63902102	CAT6	Yellow	1000'
63921001	CAT6 OAS	White	1000'

#### Plenum

Product Number	Connectors	Color	Length
31211112	16/2 STR	White	1000'
31226112	16/4 STR	White	500'
32145612	16/2 STR OAS	Gray	500'
31195612	16/6 STR	Gray	500'
63911102	CAT6	Yellow	1000'
63921001	CAT6 OAS	White	1000'

### Speaker Information:

Speaker Type	Common Wire Color	70V Wire Color	Wattage
8" Round CSS8008 Ceiling Speaker	Black	Brown	2.5
Exterior Loudspeaker		Switch Position 4	7.5
SMAT Bathroom Speaker		Rotary Switch w/ Jumper set to 70V	1.0
MBBSTL Metal Wall Mount Speaker	Black	Green	2.0
SoundSphere Speaker	Black	Purple	7.5

LED Speaker Type	Common Audio	70V Audio	LED Common Wire	LED Power
8" Round CSS8008 Ceiling Speaker	Black	Brown	Black	Red

### Wire Length to leave in boxes for device connection: 16"

### Wire Terminations:

CAT6 Cables = RJ45 Class B connections

### Mounting heights: All are A.F.F. to bottom of the box

LCDs, LEDs, and power outlets - 80"  
 Apparatus Bay LCDs & power outlets - 95"  
 Volume Controls, Alert Selectors, Resets, & Who's In Reader - 48"  
 APS IP alerting controller - Dimensions 18" high, 15" wide, 4 1/2" deep - 48 inches A.F.F.  
 Bogen #MBSSTL wall mount speaker 11 5/8" X 11 5/8" - 78 inches A.F.F. to bottom of speaker  
 Exterior Speaker shall be hung under soffit where possible  
 Apparatus bay speakers to be hung 16" A.F.F.  
 Gas disconnect - located at the solenoid

### Device Wire Size

All speakers (except LED speakers), and LED Clusters = 16/2 STR  
 Reset Buttons, Doorbells = 18/2 STR OAS  
 LED Speakers, Volume Controls = 16/4 STR  
 Stove Resets = 18/2 STR OAS & 16/2 STR  
 Gas Shutoffs and Stove Shutoffs = 16/2 STR  
 Stacklights, and Multi-Color Lights = 18/6 STR  
 Toggle Alert Selectors = 16/4 STR or 16/2 STR  
 Momentary Alert Selectors = 18/2 STR OAS, one wire per button on the gang plate  
 CAD LCD Displays, and Scrolling LEDs = Cat6 (not to exceed 300')  
 RIB Relays (Lighting) = 16/2 STR

### Zones:

Devices will be zoned as required by the customer and shown on this drawing.

### Required boxes:

35w volume control - Double gang 3" deep box  
 10w volume control - Single gang 3" deep box  
 Reset button - Single gang 3" deep box  
 Alert selector - Single gang 3" deep box  
 Stove reset - Single gang 3" deep box  
 Doorbells- Single gang 3" deep box  
 Who's in Remote Reader - Double gang 3" deep box

### Radio Connections:

Fire department to provide an antenna and line level output for fire station audio.

### CAT6 Network Cable:

Each CAT6 network cable must be homerun from PoE switch to each alerting display. Maximum length for CAT6 network cable is 100 meters.

### Speakers:

Speakers provided by APS are 70V commercial speakers only. 8-ohm speakers can not be used for proper operation of the system.

### Devices and Equipment Provided by Others:

All existing or new devices and equipment provided by others must be approved, in writing, by APS prior to being connected to any APS alerting system. APS will not support or warranty devices or equipment provided by others.

## CONTROLLER WIRING

### INPUTS - SHIELDED WIRE ONLY

- 11 = RF FIRE
- 12 = RF EMS
- 13 = NOT USED
- 14 = NOT USED
- 15 = NOT USED
- 16 = NOT USED
- 17 = NOT USED
- 18 = NOT USED
- 19 = NOT USED
- 20 = NOT USED
- 21 = NOT USED
- 22 = NOT USED
- 23 = NOT USED
- 24 = NOT USED
- 25 = NOT USED
- 26 = NOT USED
- 27 = NOT USED
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- 94 = NOT USED
- 95 = NOT USED
- 96 = NOT USED
- 97 = NOT USED
- 98 = NOT USED
- 99 = NOT USED
- 100 = NOT USED

### WIRELESS INPUTS

#### INPUTS

- W1 = NOT USED
- W2 = NOT USED
- W3 = NOT USED
- W4 = NOT USED
- W5 = NOT USED
- W6 = NOT USED

### OUTPUTS

- O1 = NOT USED
- O2 = NOT USED
- O3 = NOT USED
- O4 = NOT USED
- O5 = NOT USED
- O6 = NOT USED
- O7 = NOT USED
- O8 = NOT USED
- O9 = NOT USED
- O10 = NOT USED
- O11 = NOT USED
- O12 = NOT USED
- O13 = NOT USED
- O14 = Dry Contact
- O15 = SUPERVISORY RELAY
- O16 = STOVE DISCONNECT
- O17 = STOVE DISCONNECT LAMP

### APS Firehouse Alerting

Fire Station Alerting System Solutions  
 RF and Network Alerting  
 115 Airport Drive, Suite 170  
 Westminster, MD 21157  
 www.firehousealerting.com

Symbol	Name	Mounting	Wire	Additional Notes / Comments
APS	APS Alerting Controller	Rack or Wall Mounted	N/A	
DB	APS Doorbell	Flush or surface-mounted in single-gang box	18/2 OAS	Each doorbell is home run. Connect each input to Alerting Controller per FSA-1.
1A 2A	One or Two-Button Manual Alert	Flush or surface mounted in single-gang box	18/2 OAS	For a two-button manual alert, one 18/2 OAS wire is required for each button. Connect each to input in Alerting Controller per FSA-1.
SS	3-Button Alert Selector	Mounted in single-gang box	16/4	See device wiring supplementary for wiring details. Custom alert selector panels are available upon request.
Switch	APS Switch	Rack-mounted or on shelf in rack depending upon type of switch required	N/A	Standard switch used by APS is a 16-port rack-mounted switch
ME	Medical Emer Button	Flush or surface-mounted in single-gang box	18/2 OAS	An APS Reset Button must be pressed to reset Emergency Button audio.
SD	Stove Reset/ Disconnect	Stove Reset is flush or surface-mounted in single-gang box	18/2 OAS, 16/2	Stove disconnect is a 120V gas valve. Gas valve provided and installed by others. Disconnect can not be used on stove with pilot lights. Electrical circuit to stove must disconnect with gas.
SD	Speaker/Audio Disconnect	Flush or surface-mounted in single-gang box	16/2	
EP	Emergency Phone	Mounted per manufacturer instructions	18/2 OAS	Emergency phone must provide a 12V contact closure to APS Alerting Controller
S	Recessed Ceiling Speaker	Mounted in drop ceiling using a tile-bridge. Backcans provided if required	16/2	8-inch, 70V, 2.5 Watts
LED	APS LED Speaker	Mounted in drop ceiling using a tile-bridge. Backcans provided if required.	16/4	8-inch, 70V, 2.5 Watts
BS	Moisture Resistant Bathroom Speaker	Surface mounted	16/2	1.0 Watt
WS WW BX	Metal, Wall Speaker	Surface mounted	16/2	BX - Metal square box speaker, WSWW - Metal slant wall speaker. WW has built-in volume control. 2.0 Watts - WW has built-in volume control
SS	Omni-Direction Speaker	Surface mounted, or hung 16ft. a.f.f. depending upon installation	16/2	7.5 Watts
RL	Strobe Light	Surface mounted	16/2	Available in multiple colors per customer requirements.
APS LED CL	APS LED Cluster Light	Light is mounted in a standard 4-inch round plate	16/2	Will illuminate an approx 10 x 10 square foot area
MCL	Multi-Color LED Wireless Lighthouse	Ceiling or wall mounted in a single-gang box	16/2	Lights are wired in series for power. Lights are activated wireless through transmitter located in rack.
MSL	Multi-Color LED Stacklight	Surface mounted horizontally, or vertically using a 90-degree elbow	18/6	Lights are wired in series. Only one, 18/6 wire is required.
ES	External Speaker	Surface mounted under soffit	16/2	7.5 Watts
APS RIB	APS RIB Style Relay	Mounted in standard 1900 box	16/2	Relays are used to control stove disconnect, and other 120V devices.
APS TS	APS Trouble Strobe	Ceiling or Wall Mounted	16/2	Connected to Output 15 of Alerting Controller
CAD LED	Commercial Alerting Display	Wall mounted using a full-tilt or full-motion bracket. See detail pages for specified mounting bracket. Mounting height to be 78-inches a.f.f. in admin areas, and 96-inches min a.f.f. in apparatus bays.	CAT 6	A 120V, duplex outlet is required at each display location. A RJ-45 network jack is required at each display location. Alerting displays can be wired in series or home run. See wiring detail pages wiring method.
APS RB	APS Reset Button	Wall-mounted at 48-inches a.f.f.	18/2 OAS	
VC VC 10 35	10W/35W Volume Controls	Wall-mounted at 48-inches a.f.f.	16/4	12V volume controls with priority bypass. 16/4 wire from APS alerting controller to primary volume control within each identified zone. Volume controls in each zone can be wired in series using 16/4 wire.

## ALERTING DEVICE FUNCTIONALITY AND SYSTEM OPERATIONS

- Two-Tone Alerting
- A 2-Tone decoder is used as one method to alert the station. When implemented with CAD alerting, the 2-Tone decoder is used for alerting redundancy.
- Customer must supply a fire department radio with line level audio output, and external antenna.

### CAD Alerting (When Provided)

- Data received from the customer's CAD system can be used to alert the station.
- CAD alerting based on Unit ID, Incident Type, and Box Area can be configured.
- Data can be in the form of standard file formats such as XML, JSON, standard print data, or SMTP.
- A persistent, direct CAD interface can be implemented if required by the customer.

### Network Requirements

- Two local static IP addresses, and one external static IP address must be provided with proper application port configurations.
- The external IP provides APS access to the Alerting Controller to provide customer support, configuration changes, and software updates.
- Customer network security requirements can be coordinated through APS.

### Station Zoning

- Stations are typically zoned by functional areas such as: apparatus bays, bunkrooms, living, office, and training areas.
- Zones will be designed according to customer requirements.
- Alerting and lighting can be controlled individually within each Zone.

### Ramped Audio

- APS uses ramped audio to provide the initial station alert to provide a heart-healthy method of alerting.
- Custom customer audio files can be used.

### Volume Controls

- APS uses commercial volume controls with priority functionality. When the Alerting Controller is activated, individual volume control settings will be bypassed, and ramped alert audio will be delivered up to the maximum volume.

### Bunkroom and Egress Lighting

- APS LED Speaker Lights, and APS LED Cluster Lights, provide red, ramped, low-level lighting in bunkroom areas and egress corridors.
- LED lighting will ramp over a five-second period and will provide low-level, heart-healthy lighting to allow personnel time to adjust to normal lighting levels during the initial alerting process.
- Alternative colors are available.

### Stove Disconnect

- Electric and gas cooking equipment can be disconnected when a station alert is received per customer requirements.
- Gas stoves with pilot lights can NOT be connected to a stove disconnect circuit.
- A 120V gas disconnect valve must be installed to disconnect the gas service. APS must be contacted to assure the proper type of gas valve is installed.
- Electrician will be responsible for installing the required electrical circuits. APS will provide RIB style relays to connect to the disconnect circuit.

### Manual Alert Button

- One or two-button manual alerts provide a means to internally alert station personnel in circumstances where an emergency is reported over the phone, or in-person at the station.
- Buttons can be strategically mounted at any location within the station.
- Custom audio can be assigned to each button.

### Alerting Displays

- Commercial alerting displays are strategically located throughout the stations. 43-inch displays are normally located in administrative or living areas; 55-inch displays are normally located in apparatus bays.
- Alerting Displays show non-emergency, situational awareness information while in non-emergency mode. In emergency mode, alerting displays show incident information to include: incident type, units due, incident address, box or map area, and CAD comments. A route map or location map is displayed.
- GIS layers can be imported into the map.

### Reset Button

- Reset buttons are located throughout the station and are used to reset the station alert audio and lighting within a zone or throughout the station.
- Station audio and lighting will automatically reset after a user-selectable time if a reset button is not pressed or installed.

### Speaker Disconnect Switch

- A speaker disconnect switch will disconnect the audio to a particular room, area, or zone and acts as a "do not disturb" function. They are typically installed in conference or training rooms.

### User Interface

- A browser-based user interface is provided on all APS systems. The interface allows the customer and APS technical staff to access the system, troubleshoot, make configuration changes, and test devices and operation of the system.

### Multi-Color Lights

- Four-lens LED multi-color lights are installed throughout the station. Multi-color lights provide visual notification for unit or incident type alerting. Lights are activated wirelessly.

### Alert Selector Buttons

- Alert Selectors are used in individual bunkrooms and enable personnel the ability to select which units or incident groups get alerted.
- Alert buttons allow personnel assigned to a particular unit to not be disturbed unless required to respond.

### LED Stacklights

- LED Stacklights are typically used in apparatus bay areas to provide visual notifications for units alerted.
- LED Stacklights can have up to four lenses. Typical colors include, red, blue, green, and amber.

### Fitness Emergency Button

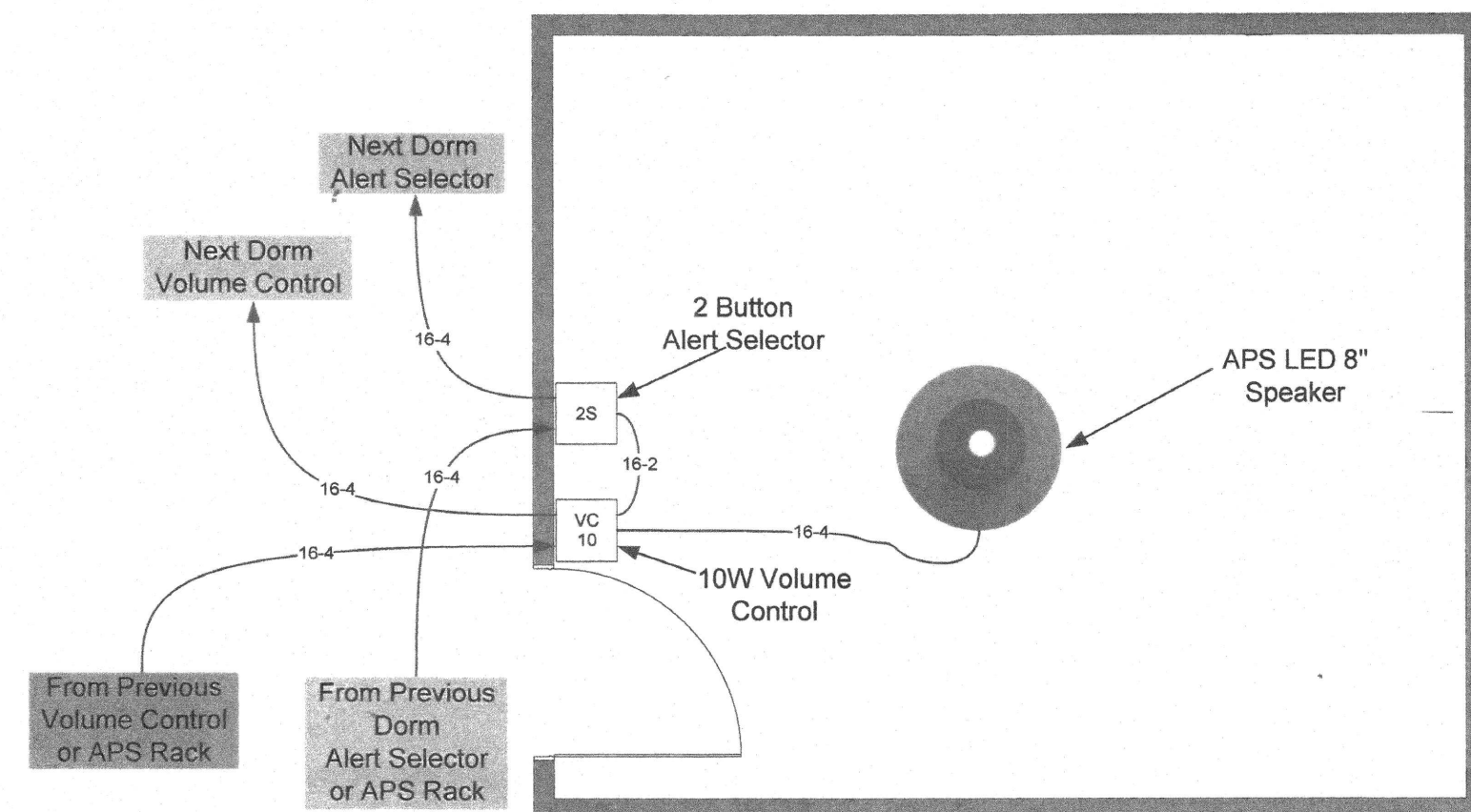
- Installed in the gym or fitness room and is used to internally alert station personnel of a medical emergency involving fire/rescue members.
- The emergency button will activate alert lighting, bypass volume control settings, and sound a custom alert audio. The audio will loop until acknowledged by pressing any station reset button.

### Relay Controls and Inputs

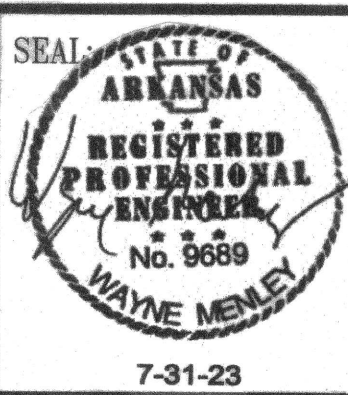
- The APS alerting controller provides 12-volt, 16 inputs, and 16 outputs to control external functions.
- No external, controls have been provided or required by this customer per the government-provided design drawing. Control of apparatus bay doors, internal lighting, stove disconnect circuits, etc. can be added.

### Doorbells

- Doorbells are located as shown on the design drawing
- When pressed, doorbells will sound a custom audio tone and recorded voice indicated which doorbell was activated.
- The activated doorbell camera will be shown on the station alerting displays.
- Video from compatible cameras at the doorbell location can be shown on the station alerting displays.



TYPICAL BUNK ROOM WIRING  
 NTS



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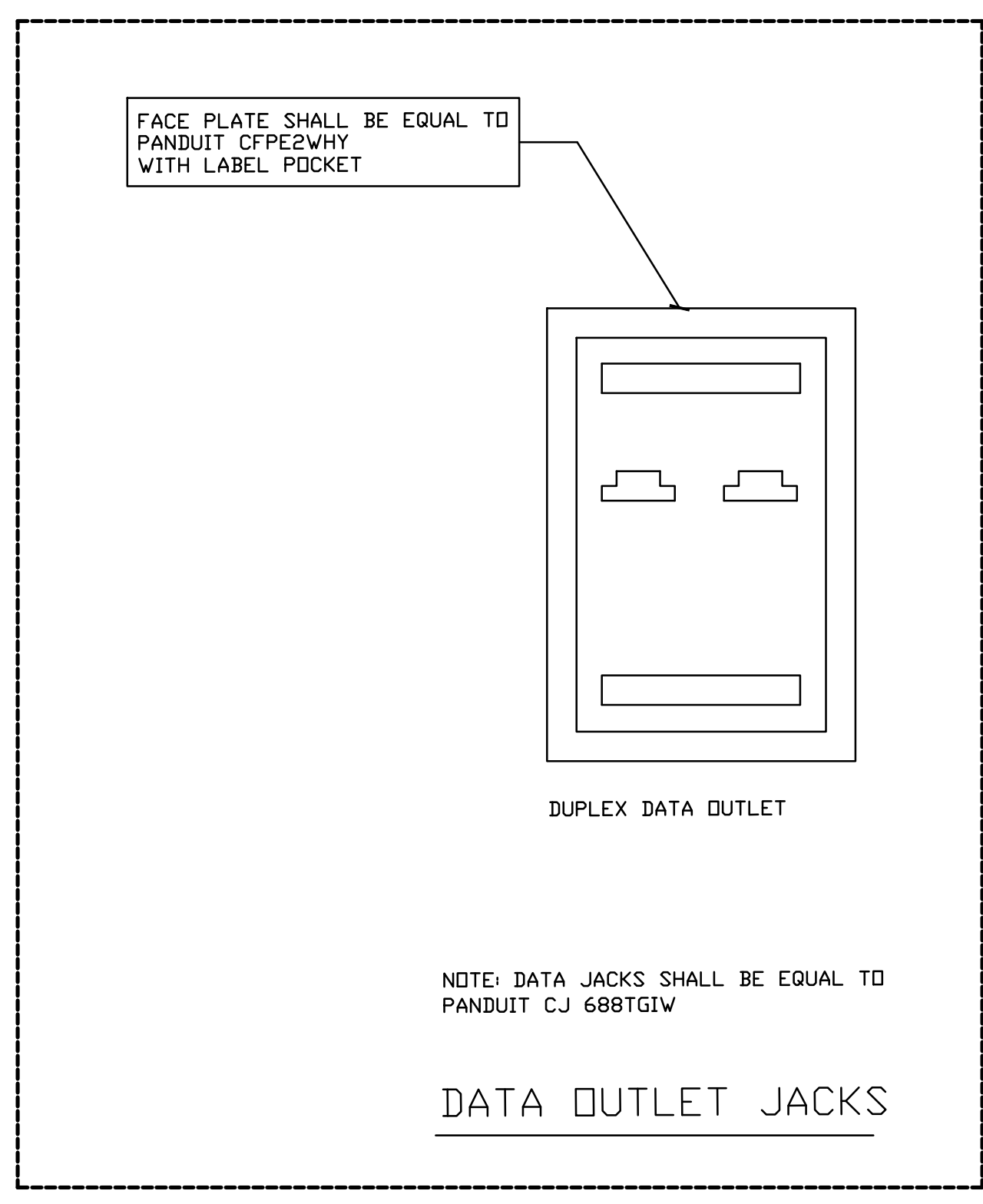
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# FIRE STATION ALERTING SYSTEM DETAILS

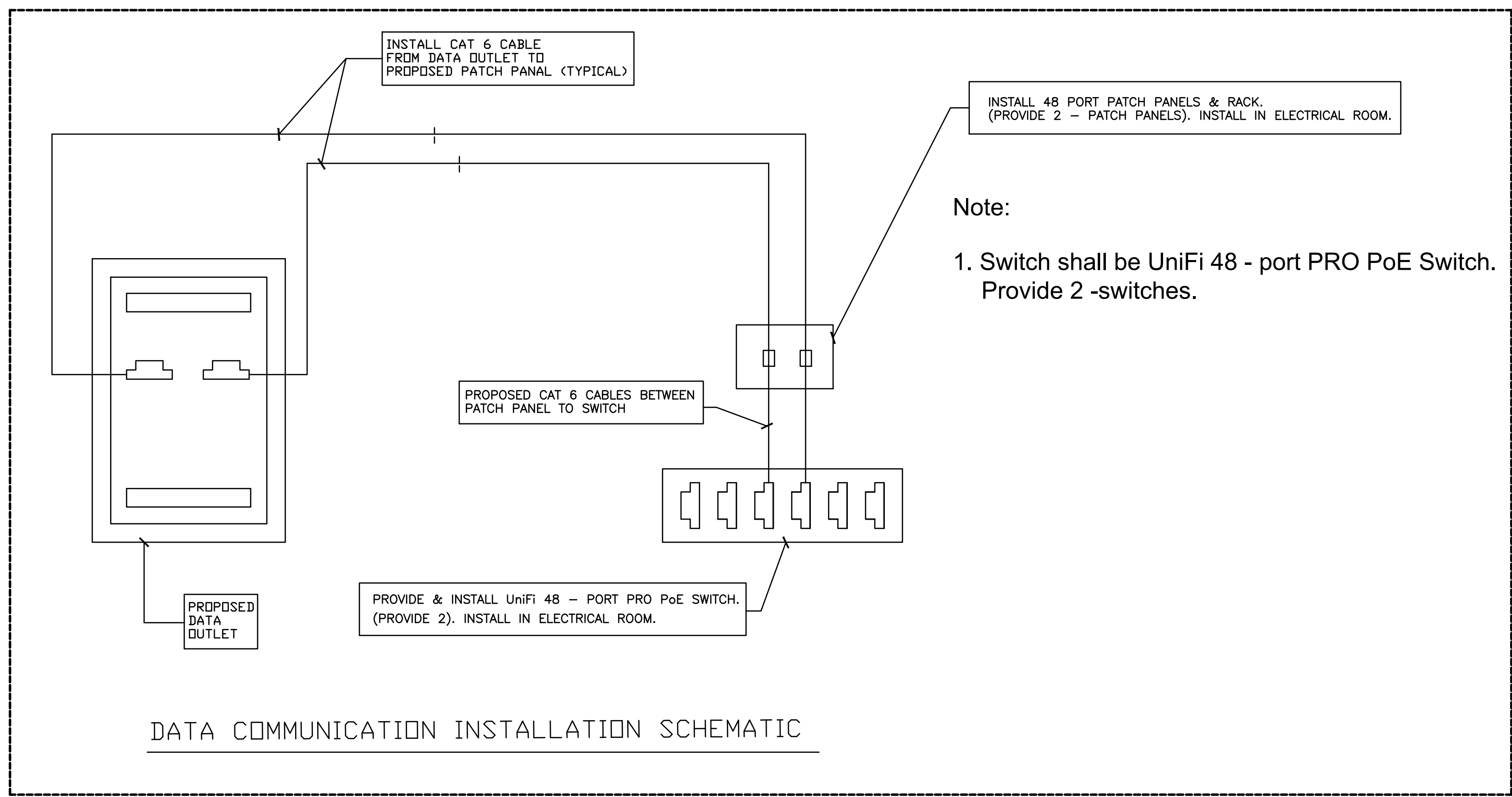


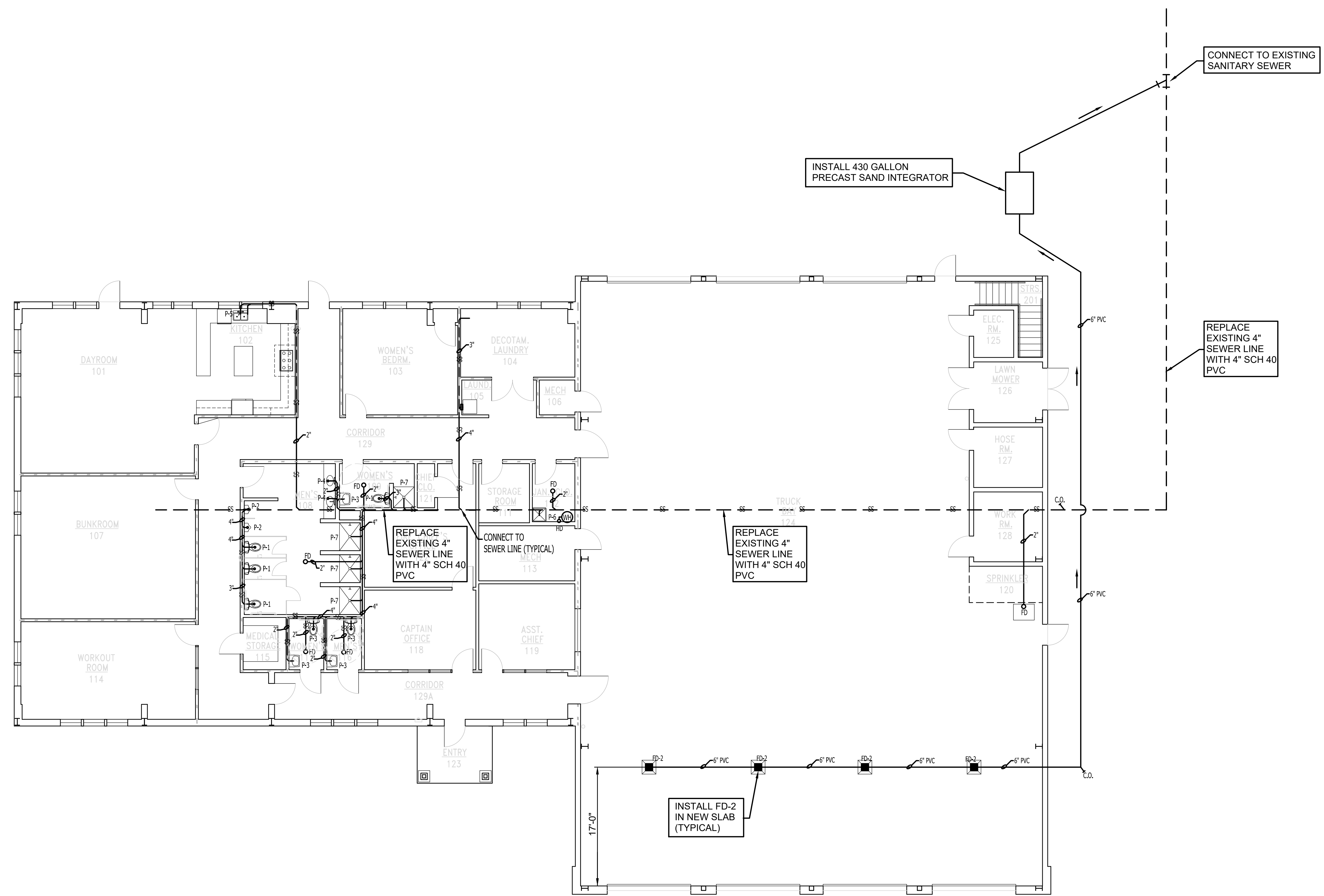
**ELECTRICAL NOTES.**

- INSTALL DUPLEX ELECTRICAL OUTLET AND DUPLEX DATA OUTLET AT LOCATION SHOWN FOR FIRE ALERTING SYSTEM. VERIFY LOCATION & HEIGHT WITH FIRE ALERTING SYSTEM SUPPLIER.
- AT DATA OUTLET LOCATIONS, CONTRACTOR SHALL INSTALL BOX, CONDUIT, DATA OUTLET AND CAT 6 CABLE. CAT CABLE SHALL TERMINATE IN ELECTRICAL ROOM FOR CONNECTION TO PATCH PANEL AND SWITCH.
- ALL ELECTRICAL PANELS SHALL BE INSTALLED AT LOCATION SHOWN.
- CONTRACTOR SHALL VERIFY LOCATION OF ALL PROPOSED EQUIPMENT WITH OWNER.
- CONTRACTOR SHALL INSTALL TELEPHONE OUTLET WHERE SHOWN. CONTRACTOR SHALL INSTALL TELEPHONE WIRE FROM TELEPHONE OUTLET TO ELECTRICAL ROOM FOR CONNECTION TO TELEPHONE PANEL. VERIFY TELEPHONE PANEL AND TELEPHONE OUTLET LOCATION WITH OWNER.
- CONTRACTOR SHALL INSTALL NEW CABLE TV OUTLET WHERE SHOWN. CONTRACTOR SHALL INSTALL NEW COAX TV CABLE FROM OUTLET TO IT ROOM. VERIFY CABLE OUTLET LOCATIONS WITH OWNER.
- ALL WIRE IS THHN COPPER UNLESS SHOWN OTHERWISE.
- ELECTRICAL CIRCUIT SIZE, & BREAKER SIZE SERVING CRANE, AIR COMPRESSOR, WASH BAY EQUIPMENT, MECHANICAL EQUIPMENT, & ALL OTHER EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT SUPPLIER AND OWNER.
- ALL WIRE IS TYPE THHN COPPER. ALL SIZES ARE #12 UNLESS SHOWN OTHERWISE.
- THE CENTERLINES OF ALL CONVENIENCE OUTLETS ARE TO BE 12" A.F.F.
- THE CENTERLINES OF ALL SWITCHES ARE LOCATED 48" A.F.F. UNLESS SHOWN OTHERWISE.
- ALL WIRING AND INSTALLATIONS SHALL MEET ALL N.E.C. REQUIREMENTS.
- ALL CIRCUIT BREAKERS ARE 20 AMP UNLESS SHOWN OTHERWISE.
- ALL CONDUIT SIZE IS 1/2" UNLESS SHOWN OTHERWISE.
- CONTRACTOR SHALL COORDINATE LOCATION OF LIGHT FIXTURES WITH SUSPENDED CEILING GRID AND OTHER DISCIPLINES.
- FURNISH AND INSTALL ALL ELECTRICAL SYSTEMS COMPLETE IN EVERY RESPECT AND READY TO OPERATE. FURNISH ALL MISCELLANEOUS ITEMS AND ACCESSORIES REQUIRED FOR SUCH INSTALLATION, WHETHER OR NOT EACH SUCH ITEM OR ACCESSORY IS SHOWN ON THE DRAWINGS OR MENTIONED IN THE SPECIFICATIONS.
- PROVIDE RACEWAYS FOR ALL WIRING SYSTEMS, MINIMUM 3/4 INCH. RACEWAYS SHALL INCLUDE RIGID GALVANIZED STEEL, CONDUIT, RIGID ALUMINUM CONDUIT, (EMT) ELECTRICAL METALLIC TUBING, FLEXIBLE CONDUIT, SURFACE METAL RACEWAYS, WIRE WAYS AND TROUGHS. RACEWAYS SHALL BE MECHANICALLY AND ELECTRICALLY CONTINUOUS FROM SERVICE ENTRANCE TO FINAL OUTLET. RACEWAYS SHALL BE RUN PERPENDICULAR AND PARALLEL TO BUILDING CONSTRUCTION. EXCEPT IN MECHANICAL ROOMS OR AS OTHERWISE NOTED, ALL RACEWAYS SHALL BE CONCEALED. ALL BREAKS AND TURNS WITH EXPOSED RACEWAYS SHALL BE MADE WITH MALLEABLE IRON CADMIUM OR HOT DIPPED GALVANIZED CONDUIT FITTINGS AND COVERS. RACEWAYS SHALL BE RIGIDLY SUPPORTED WITH MALLEABLE IRON CONDUIT CLAMPS OR TRAPEZE SUPPORTS AND CLAMPS AT INTERVALS NOT EXCEEDING 7 FEET WITH 12 INCHES OF ALL OUTLET BOXES, ELBOWS, AND CHANGES OF DIRECTION. CONCEALED RACEWAYS SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS AND NOT FURRING. ALL RACEWAY SYSTEMS SHALL BE COMPLETELY INSTALLED AND SECURED AND SWABBED OUT, AND ALL WORK IN THE AREA SHALL HAVE PROGRESSED SUFFICIENTLY TO PREVENT INJURY TO CABLES, BEFORE ANY CONDUCTORS ARE INSTALLED. PROVIDE CAPS AND PLUGS ON ENDS OF RACEWAYS AND OPENINGS IN BOXES TO PREVENT FOREIGN MATERIAL FROM ENTERING DURING CONSTRUCTION PROVIDE DOUBLE LOCKNUTS WHERE 1 1/2 INCH AND LARGER CONDUITS TERMINATE. WHERE NO. 4 AND LARGER CONDUCTORS ARE INSTALLED, AND WHERE REQUIRED BY NEC. DO NOT USE RUNNING THREADS. LEAVE NO. 12 PULL WIRE (IDENTIFIED AT BOTH ENDS) IN ALL EMPTY RACEWAYS. PROVIDE PLASTIC INSULATING BUSING ON ALL CONDUIT CONNECTIONS AND FIBER INSERTS ON ALL TUBING CONNECTIONS. SURFACE METAL RACEWAYS, SURFACE WIREMOLD AND SURFACE METAL TROUGHS SHALL BE INSTALLED ONLY WHERE SHOWN ON THE DRAWINGS.
- PROVIDE RIGID GALVANIZED STEEL CONDUITS FOR SERVICE ENTRANCE, PANEL FEEDERS AND ALL MOTOR FEEDERS. THREADLESS FITTINGS, ALL THREAD AND RUNNING THREADS SHALL NOT BE USED. RIGID CONDUITS SHALL BE PROVIDED FOR ALL RACEWAY SYSTEMS RUN UNDERGROUND OR EMBEDDED IN CONCRETE OR SOLID MASONRY.
- ELECTRICAL METALLIC TUBING (EMT) MAY BE USED FOR CONDUITS CONCEALED IN FURRED CEILINGS OR WALLS. RUN EXPOSED IN THE BUILDING, OR EMBEDDED IN HOLLOW MASONRY CONSTRUCTED ABOVE GRADE. EMT FITTINGS SHALL BE FERROUS METAL GALVANIZED OR PLATED TO RESIST CORROSION AND SHALL BE OF THE COMPRESSION-RING TYPE, RAIN-TIGHT AND CONCRETE-TIGHT.
- PROVIDE FLEXIBLE CONDUIT FOR ALL CONNECTIONS TO MOTORS AND OTHER EQUIPMENT SUBJECT TO VIBRATION OR MOTION WITH A MAXIMUM LENGTH OF 18 INCHES. FLEXIBLE CONDUIT MAY BE USED FOR FINAL CONNECTION TO LIGHTING FIXTURES IN LAY-IN CEILINGS. CONDUIT SHALL BE RIGIDLY SUPPORTED WHERE CONNECTION TO FLEXIBLE CONDUIT IS MADE. CONDUIT AND FITTINGS SHALL BE SELF GROUNDING AND, IN ADDITION, COPPER BONDING JUMPERS SHALL BE USED. CONNECTORS SHALL BE FERROUS METAL, GALVANIZED OR PLATED TO RESIST CORROSION, OF THE (2) SCREW CLAMP TYPE, OR THE SQUEEZE TYPE. FLEXIBLE CONDUIT AND FITTINGS USED OUTDOORS OR IN OTHER SUBJECT TO MOISTURE SHALL BE OF THE LIQUID-TIGHT TYPE WITH CONNECTORS HAVING AN O-RING ASSEMBLY.
- ALL CONDUITS SHALL BE RIGIDLY SUPPORTED AND SECURELY FASTENED TO STRUCTURAL MEMBERS.
- PROVIDE OUTLET AND JUNCTION BOXES WHERE SHOWN ON THE DRAWINGS OR AS REQUIRED BY CODE. BOXES SHALL BE INDEPENDENTLY RIGIDLY SUPPORTED AND ACCESSIBLE. ALL OUTLET BOXES SHALL BE MINIMUM OF TWO (2) INCHES DEEP. PROVIDE A FOUR (4) INCH SQUARE BOX WITH PLASTER RING AND COVER AT EACH SWITCH AND RECEPTACLE LOCATION. WIRING DEVICE BOXES LOCATED IN BRICK, BLOCK OR CONCRETE WALLS SHALL BE APPROVED FOR THE TYPE OF INSTALLATION BEING AT MORTAR JOINTS. MULTI-GANG BOXES SHALL BE INSTALLED FOR MORE THAN (2) ADJACENT DEVICES; SECTIONAL BOXES WILL NOT BE ALLOWED. OUTLETS EXPOSED TO THE WEATHER SHALL BE TYPE FD WITH WEATHERPROOF GASKETS AND COVERS, PULL BOXES SHALL BE CONSTRUCTED OF CODE GAUGE GALVANIZED STEEL AND SHALL BE SIZED NOT LESS THAN 1 1/2 TIMES ALL DIMENSIONS AS RECOMMENDED BY THE NEC. ALL CONDUCTORS IN PULL BOXES SHALL BE IDENTIFIED WITH TAGS.
- ALL CONDUCTORS SHALL BE RATED 600 VOLTS, AND SHALL BE COPPER WITH TYPE THHN INSULATION. MINIMUM SIZE SHALL BE NO. 12 AND NO. 8, AND LARGER SHALL BE STRANDED. ALL CONDUCTORS SHALL BE COLOR CODED, WITH SIZES THROUGH NO. 10 BEING OF THE SOLID COMPOUND COATING. STRIPES, BANDS OR HASH MARKS WITH RESPECTIVE COLOR CODING MAY BE USED FOR CONDUCTORS NO. 8 AND LARGER. COLOR CODING SHALL BE PHASE A-BLACK, PHASE B-RED, PHASE C-BLUE, NEUTRAL-WHITE, AND GROUND-GREEN.
- MAINS AND FEEDERS SHALL BE RUN CONTINUOUS WITHOUT JOINTS OR SPLICES. BRANCH CIRCUIT SPLICES SHALL BE MADE WITH 3M "SCOTCHLOKS", OR EQUAL, IN PANEL BOARDS AND BOXES. CONDUCTORS SHALL BE NEATLY PLACED IN PHASE GROUPS AND SUPPORTED AWAY FROM ALL ENCLOSURE SIDES. LACING SHALL BE DONE AT INTERVALS NOT GREATER THAN SIX (6) INCHES AND SHALL BE DONE WITH LINEN CORD OR T & B SELF-LOCKING "TY-RAPS", OR EQUAL.
- PROVIDE ALL LIGHTING FIXTURES AS NOTED ON THE DRAWINGS. FIXTURES SHALL BE SUSPENDED FROM STRUCTURAL MEMBERS, BY STANDARD BAR HANGERS, OR OTHER APPROVED MEANS. STRUCTURAL STEEL NECESSARY TO SUPPORT FIXTURES SHALL BE FURNISHED AND INSTALLED UNDER THIS SECTION. PROVIDE PLASTER FRAMES AS REQUIRED. ALL FIXTURES SHALL BE GROUNDED. FIXTURES SHALL BE IN PERFECT CONDITION AND OPERATING AT THE TIME OF COMPLETION. NEW BUILDING FIXTURES SHALL NOT BE USED FOR CONSTRUCTION LIGHTING. FIXTURE LOCATIONS SHALL BE COORDINATED WITH CEILING PATTERNS OR OTHER DETAILS OR NOTES AS SHOWN ON THE DRAWINGS.
- IF A LIGHTING FIXTURE FOR A SPECIFIC LOCATION IS NOT CLEARLY NOTED, THE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDDING, OR THE CONTRACTOR SHALL FURNISH AND INSTALL A FIXTURE SIMILAR AND COMPARABLE IN COST TO THAT SPECIFIED FOR OTHER LIKE LOCATION.
- FURNISH AND INSTALL ALL WIRING DEVICES AND PLATES WHERE SHOWN ON THE DRAWINGS AND HEREIN SPECIFIED. ALL DEVICES SHALL BE NEMA RATED SPECIFICATION GRADE, WITH ALL PARTS EXCEPT TERMINALS TOTALLY ENCLOSED, AND WITH EACH DEVICE SEPARATELY PACKAGED UPON ARRIVAL AT JOB SITE. HEIGHT OF WIRING DEVICE SHALL WORK WITH BRICK JOINTS AND CONCRETE BLOCK JOINTS, BUT IN GENERAL, LIGHTING SWITCHES SHALL BE MOUNTED 4'-0" ABOVE FLOOR, AND RECEPTACLES AND TELEPHONE OUTLETS SHALL BE MOUNTED 12" ABOVE FLOOR. ADJACENT WIRING DEVICES SHALL BE MOUNTED AS CLOSE TO EACH OTHER AS POSSIBLE. ALL WIRING DEVICES SHALL BE SIDE WIRED. COLOR OF PLATES SHALL BE SELECTED BY OWNER.
- THE ENTIRE ELECTRICAL SYSTEM AND THE BUILDING STRUCTURE SHALL BE GROUNDED, OR AS INDICATED ON THE DRAWINGS. THE ELECTRIC SERVICE, EQUIPMENT AND ENCLOSURES, CONDUITS AND RACEWAYS, SWITCHES, BREAKERS AND PANELS, MOTORS, CONTROLLERS, LIGHTING FIXTURES AND RECEPTACLES SHALL BE GROUNDED. EACH BRANCH OR POWER CIRCUIT SHALL HAVE AN INDEPENDENT GROUNDING CONDUCTOR WHETHER SHOWN OR NOT, WITH THE EXCEPTION OF LIGHTING SWITCHES.
- DUPLEX OUTLETS WITH USB PORTS SHALL BE EQUAL TO BRYANT MODEL USBB15AC5, DUPLEX OUTLET, ONE USB TYPE A PORT AND ONE USB TYPE C PORT.



- ELECTRICAL LEGEND**
- ⊕ = DUPLEX WALL ELECTRICAL OUTLET
  - ▼ = PROPOSED PHONE OUTLET
  - A-1 = CIRCUIT NUMBER
  - ⎓ = SWITCH LEG
  - +— = PHASE LEG
  - +— = NEUTRAL LEG
  - A = LIGHT FIXTURE CODE
  - ⊞ = LIGHT SWITCH
  - ⊞₃ = 3 WAY LIGHT SWITCHES
  - ⊞D = LIGHT SWITCH WITH DIMMER
  - ⊞D₃ = 3 WAY LIGHT SWITCH WITH DIMMER
  - ⊞OC = SWITCH WITH OCCUPANCY SENSOR
  - = PROPOSED DISCONNECT
  - ⊕GFCI = GROUND FAULT CIRCUIT INTERRUPTER
  - ⊕GFCI/WP = GROUND FAULT CIRCUIT INTERRUPTER (WEATHERPROOF)
  - ⊞ = DUPLEX DATA OUTLET LOCATION
  - ER = CORD REEL (MOUNT ON BUILDING STRUCTURE)
  - S = SIMPLEX WALL DATA OUTLET LOCATION
  - W = WASHER / EXTRACTOR
  - DR = TURNOUT DRYER
  - C = COAX CABLE OUTLET
  - ⊕ = 208 VOLT OUTLET
  - ⊕ = DUPLEX WALL OUTLET WITH USB PORTS





**SANITARY SEWER PLAN**  
 SCALE: 1/8" = 1'-0"

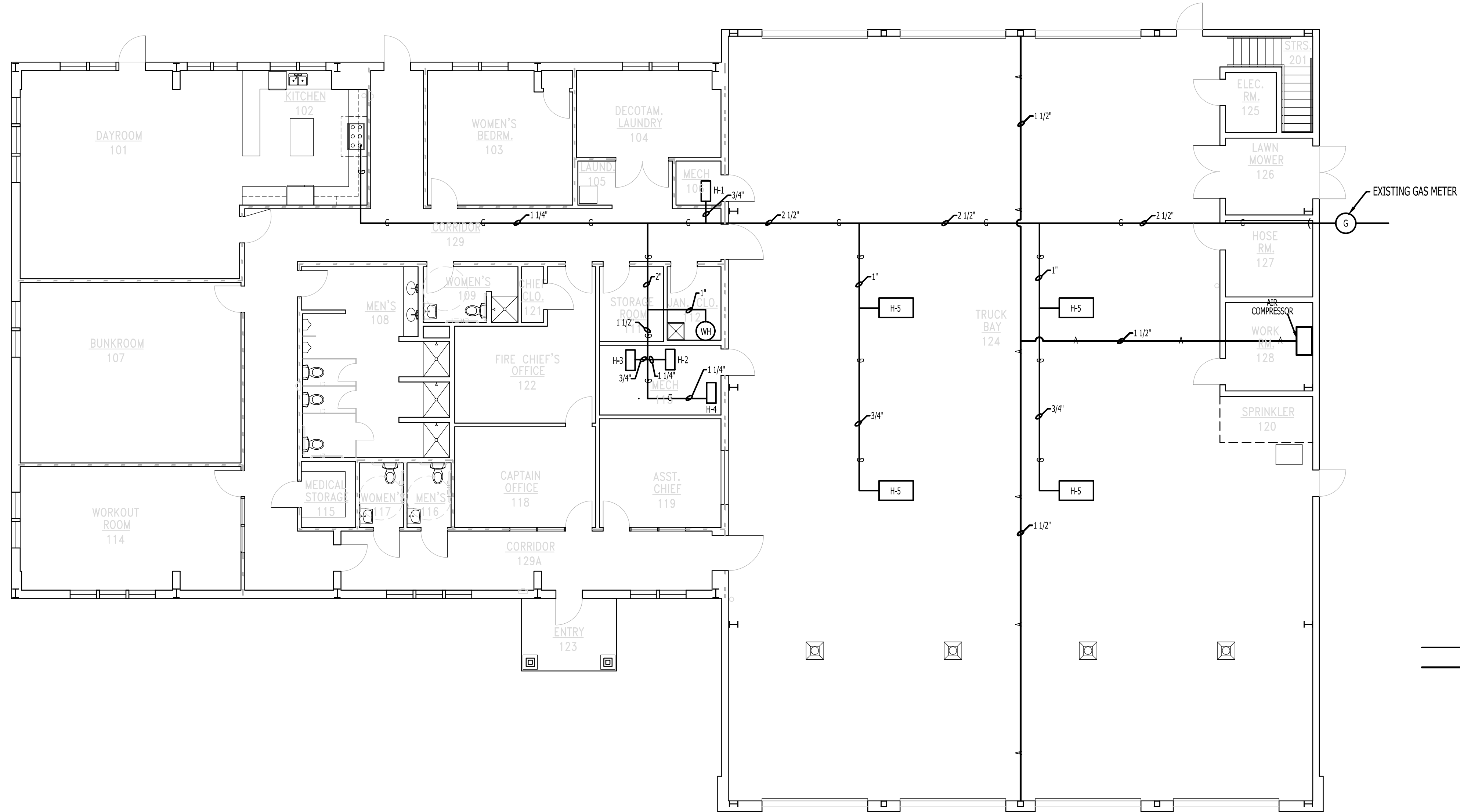
PLUMBING PLAN

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**LEGEND**  
 ○ = PROPOSED GAS LINE  
 △ = PROPOSED AIR LINE

**GAS AND AIR PLAN**  
 SCALE: 1/8" = 1'-0"

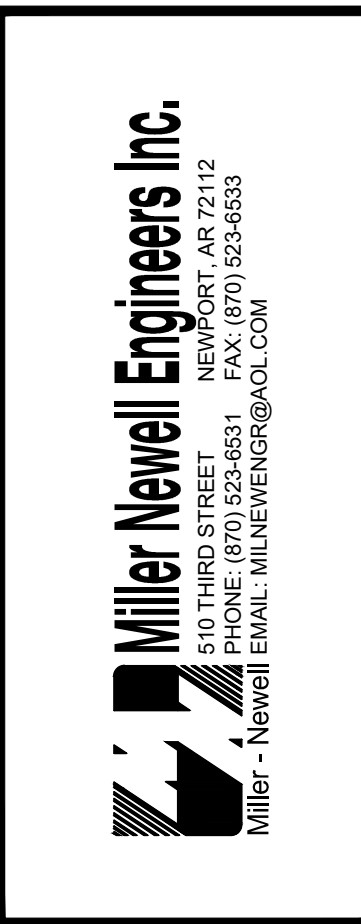
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 801 WEST MAIN ST, TRUMANN, AR 72472

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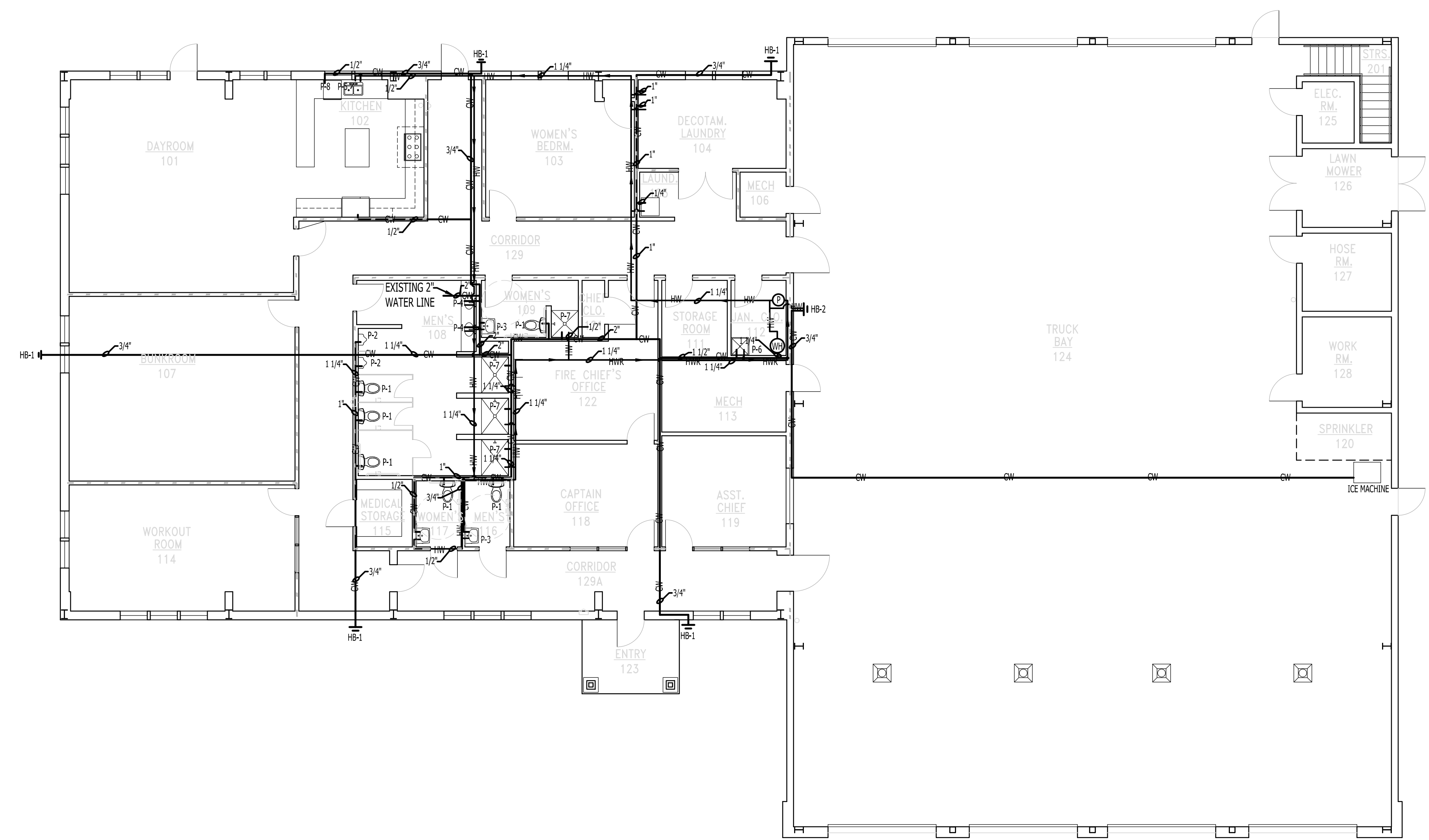
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PLUMBING SCHEDULE				
MARK	DESCRIPTION	MANUFACTURER	MODEL	REMARKS
P-1	TANK TOILET	KOHLER	K-25077	PROVIDE ANGLE VALVE AND STOP; PROVIDE K-20110 TOILET SEAT
P-2	URINAL	KOHLER	K-4991-ET	PROVIDE K-80UMOOD20 FLUSH VALVE
P-3	WALL MOUNT LAVATORY	KOHLER	K-2005	PROVIDE K-27378-4 FAUCET WITH DRAIN
P-4	COUNTERTOP LAVATORY	AMERICAN STANDARD	491.019	PROVIDE KOHLER K-27378-4 FAUCET WITH DRAIN
P-5	KITCHEN SINK	KOHLER	K-5267-1	PROVIDE K-24982 FAUCET, PROVIDE DRAINS AND BASKETS
P-6	SERVICE SINK	KOHLER	K-6714	PROVIDE K-820T20-4AFA FAUCET
P-7	SHOWER	STERLING	72410100	FIBERGLASS SHOWER UNIT WITH LUDINGTON MODEL TS2737-4G-CP FAUCET, WITH VISTA PIVOT MODEL 1500D-48 DOOR.
P-8	POT FILLER	KOHLER	K-35745	PROVIDE FILTER MODEL K-77685, COLOR TO BE SELECTED BY OWNER
WH	WATER HEATER	A.O. SMITH	BTX - 80	50 GALLON, 76,000 BTUH INPUT
HB-1	HOSE BIBB	ZURN	Z-1315	NON-FREEZE
HB-2	VARI-TEMP HOSE BIBB	ZURN	Z-1325	VARI-TEMP, NON FREEZE
FD	FLOOR DRAIN	KOHLER	Z-400	
P	HOT WATER RE-CIRCULATING PUMP	GRUND FOS	MAGNA-40-120	120 VOLT, PROVIDE PROGRAMMABLE TIMER
FD-2	SQUARE FLOOR DRAIN	ZURN	Z-610	SQUARE TOP HEAVY DUTY DRAIN



**WATER PLAN**  
SCALE: 1/8" = 1'-0"

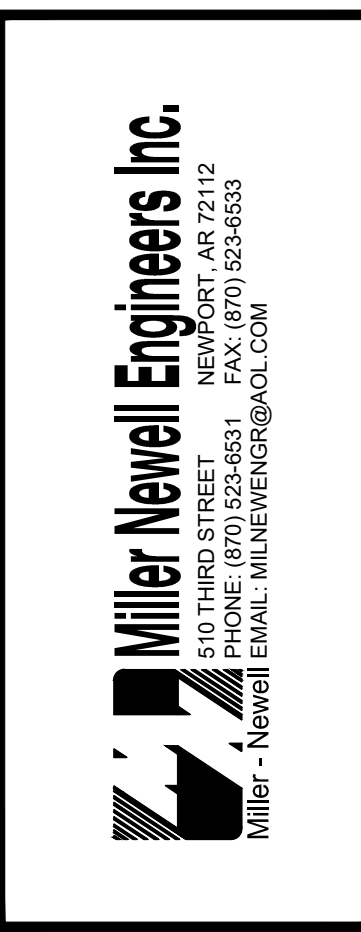
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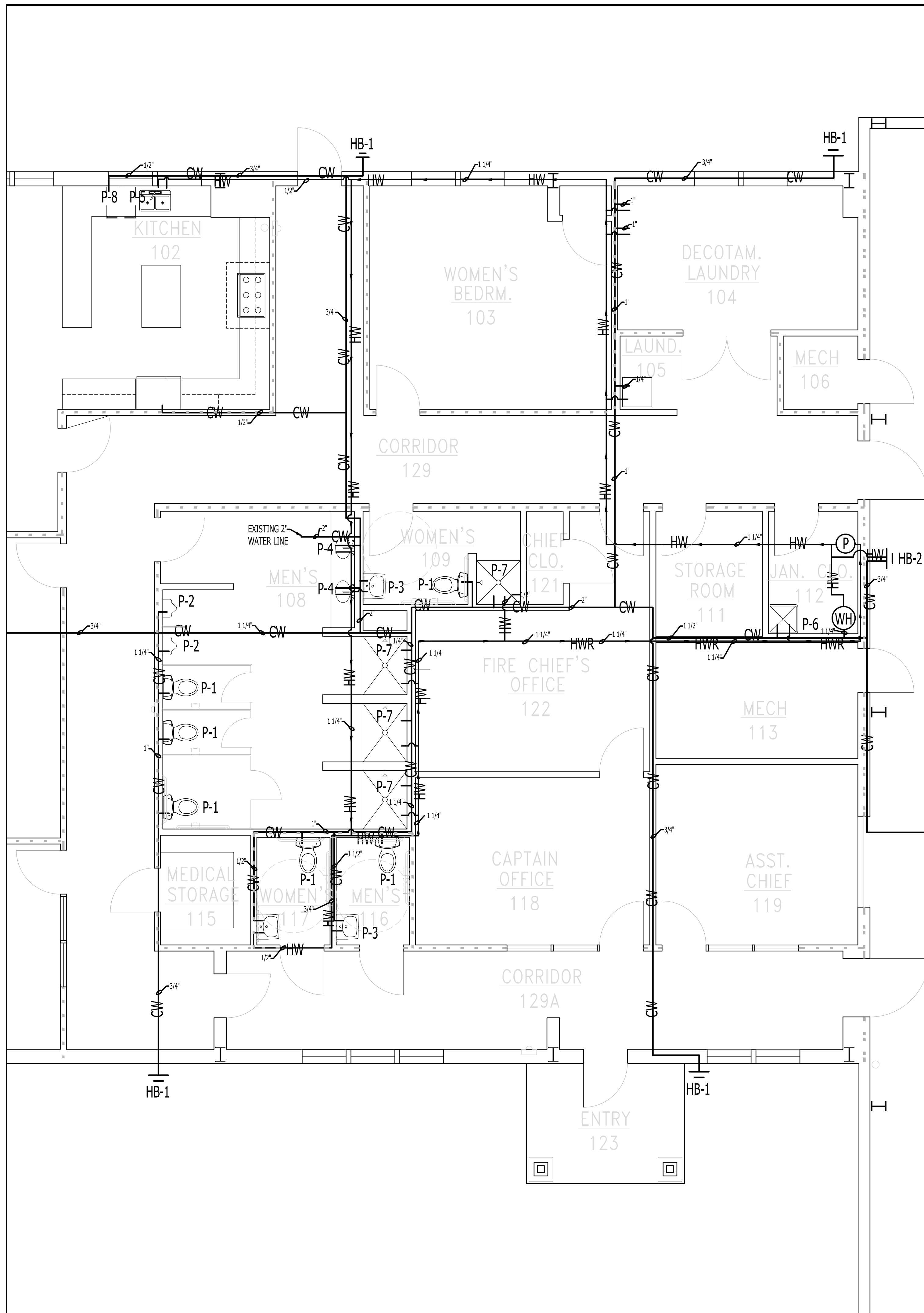
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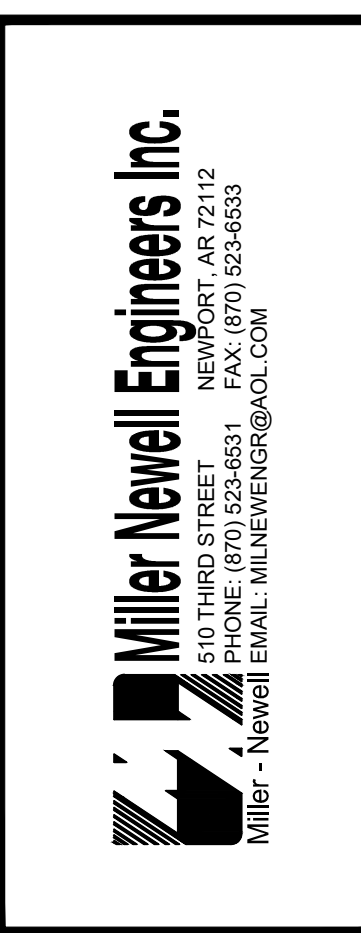
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**WATER PLAN**  
SCALE: 1/4" = 1'-0"

# PLUMBING PLAN



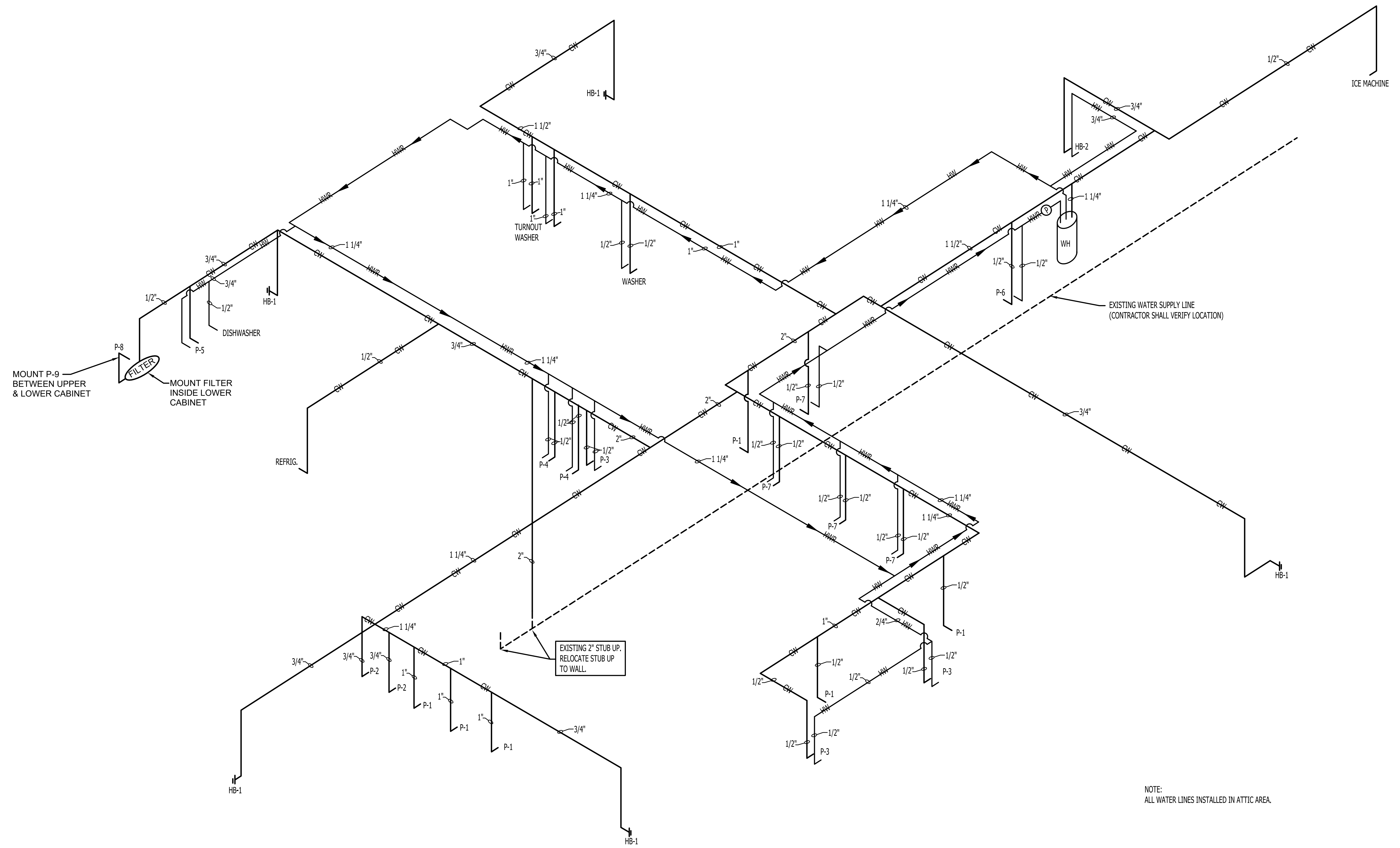
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MOUNT P-9 BETWEEN UPPER & LOWER CABINET  
MOUNT FILTER INSIDE LOWER CABINET

EXISTING 2" STUB UP. RELOCATE STUB UP TO WALL.

EXISTING WATER SUPPLY LINE (CONTRACTOR SHALL VERIFY LOCATION)

NOTE:  
ALL WATER LINES INSTALLED IN ATTIC AREA.

WATER RISER  
N.T.S.

PLUMBING RISER

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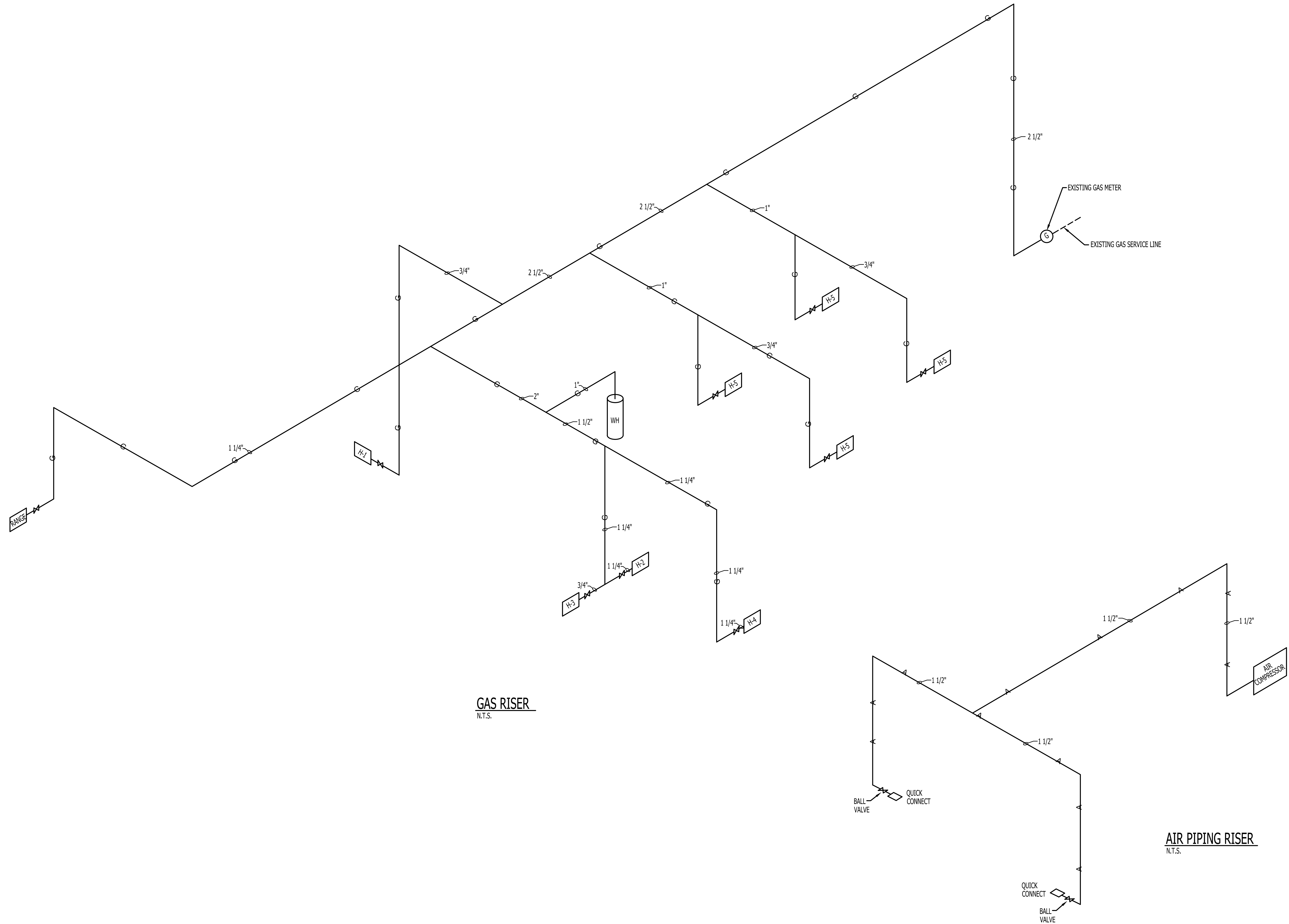


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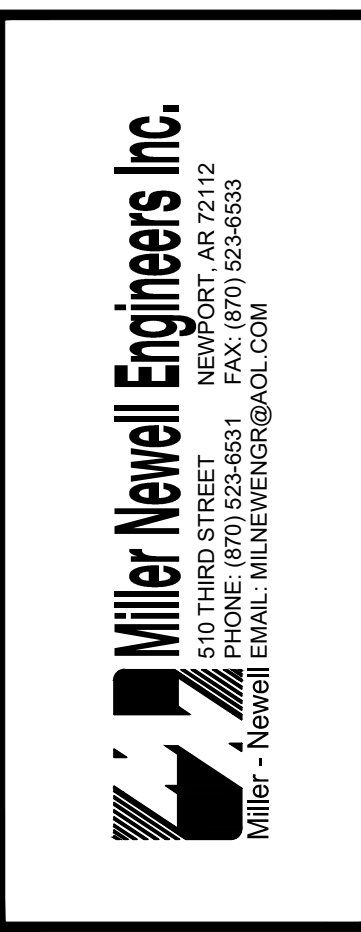


GAS RISER  
N.T.S.

AIR PIPING RISER  
N.T.S.

PLUMBING RISER

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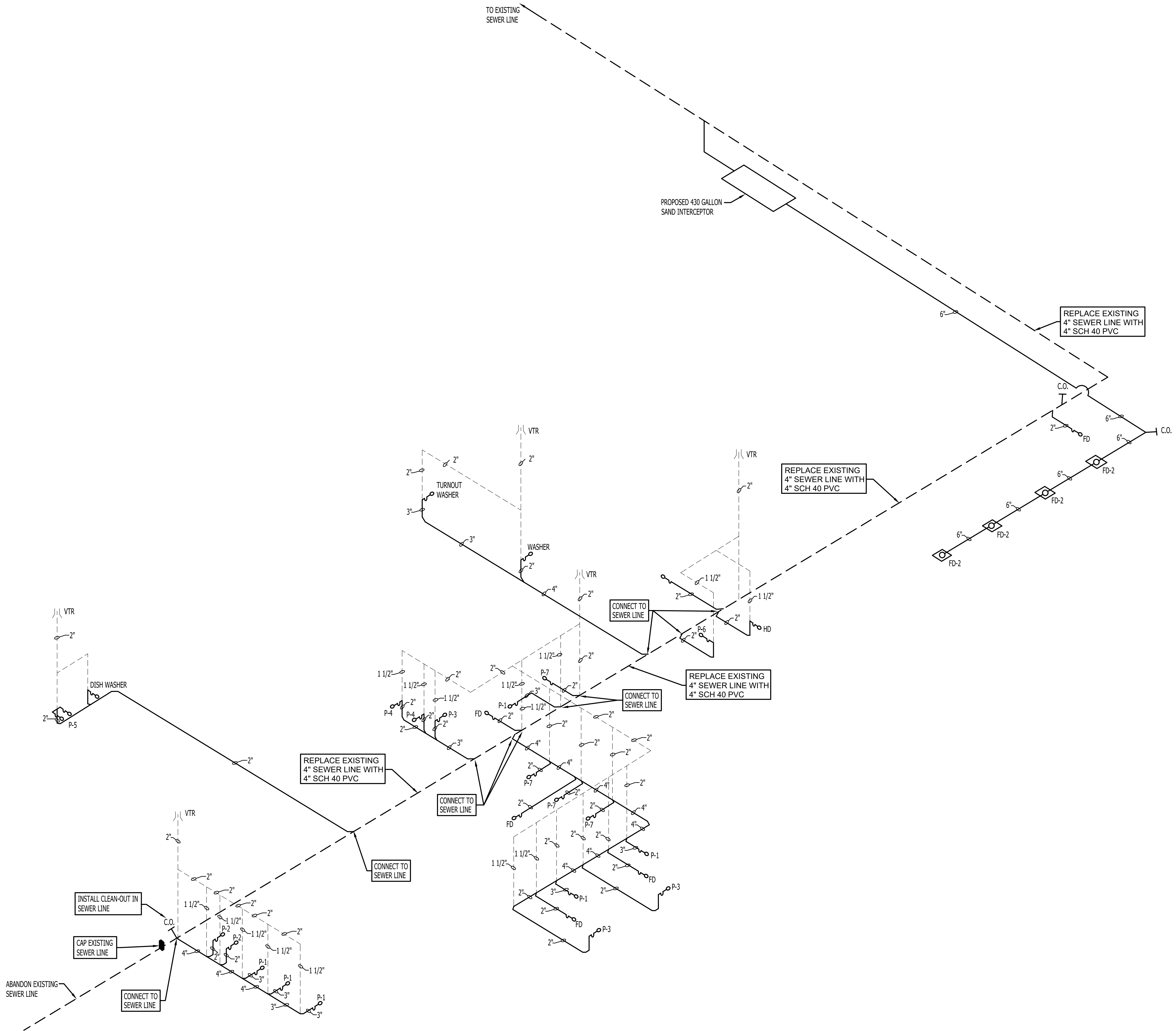
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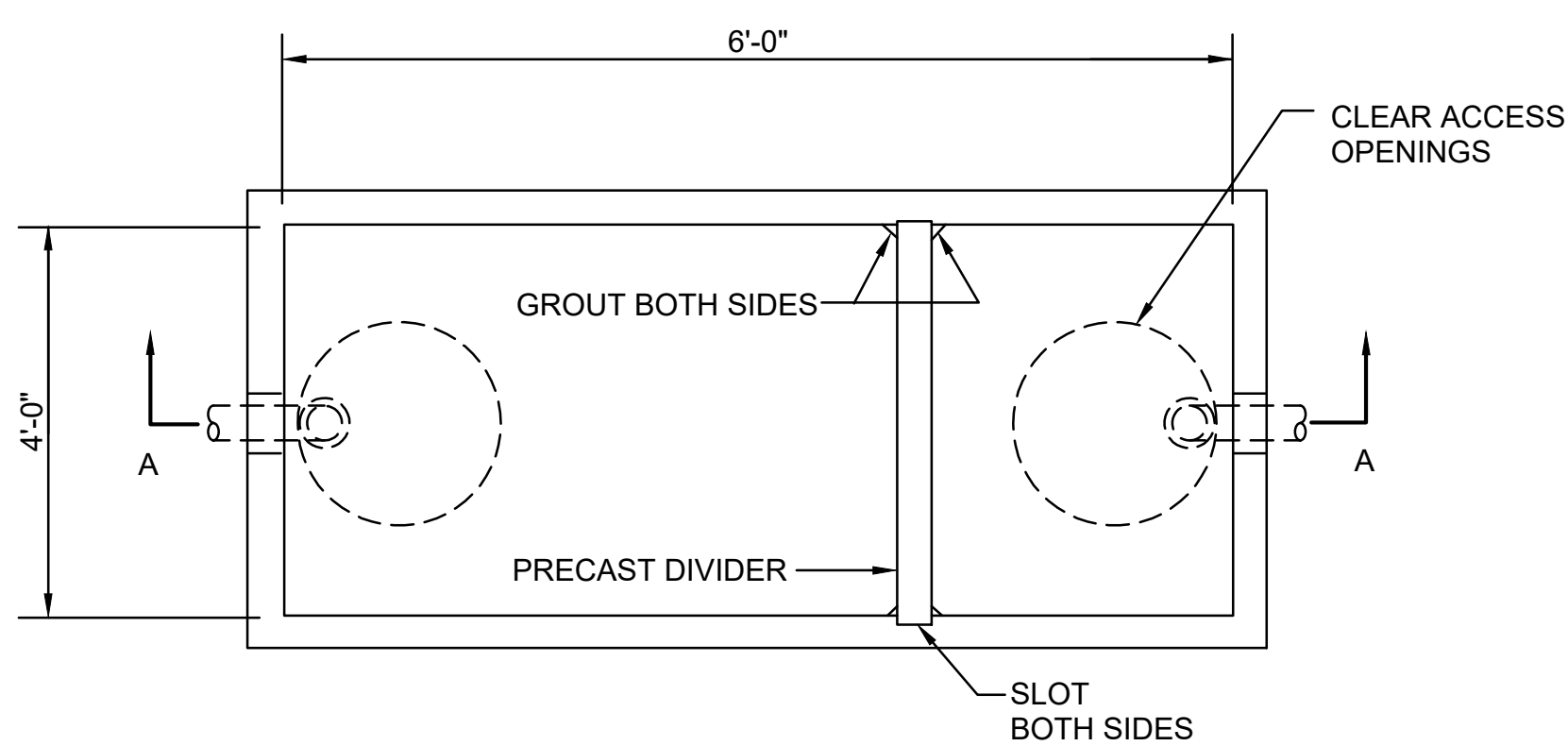
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**SANITARY SEWER RISER**  
N.T.S.

**PLUMBING RISER**

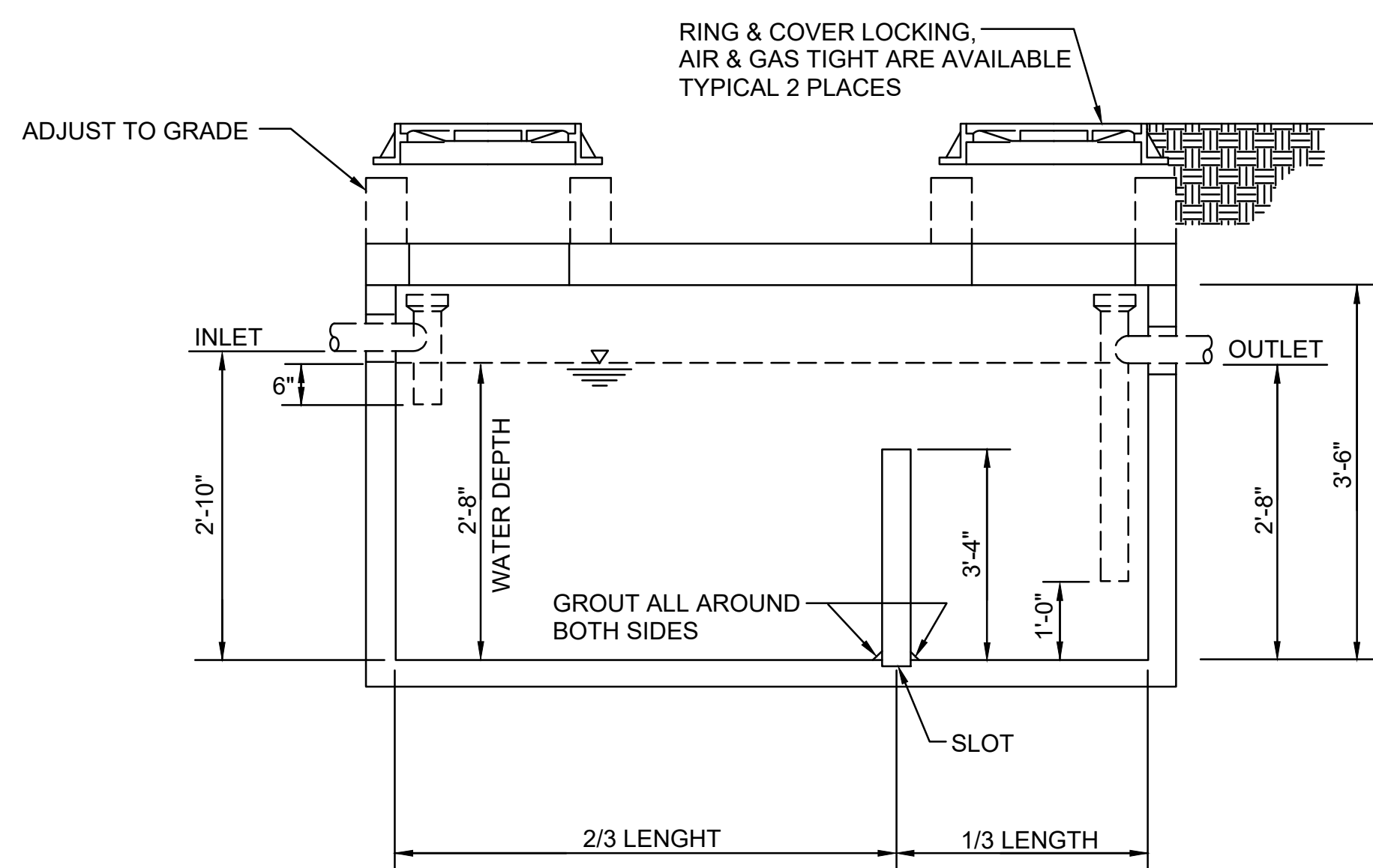




PLAN VIEW

**LEGEND**

- P-1 = PLUMBING FIXTURE DESIGNATION
- GW— = COLD WATER
- HWS— = HOT WATER SUPPLY
- HWR— = HOT WATER RETURN
- SS— = SANITARY SEWER
- FD = FLOOR DRAIN
- C.O. = CLEAN OUT
- G— = NATURAL GAS LINE
- VTR = VENT THROUGH ROOF
- A— = COMPRESSED AIR LINE

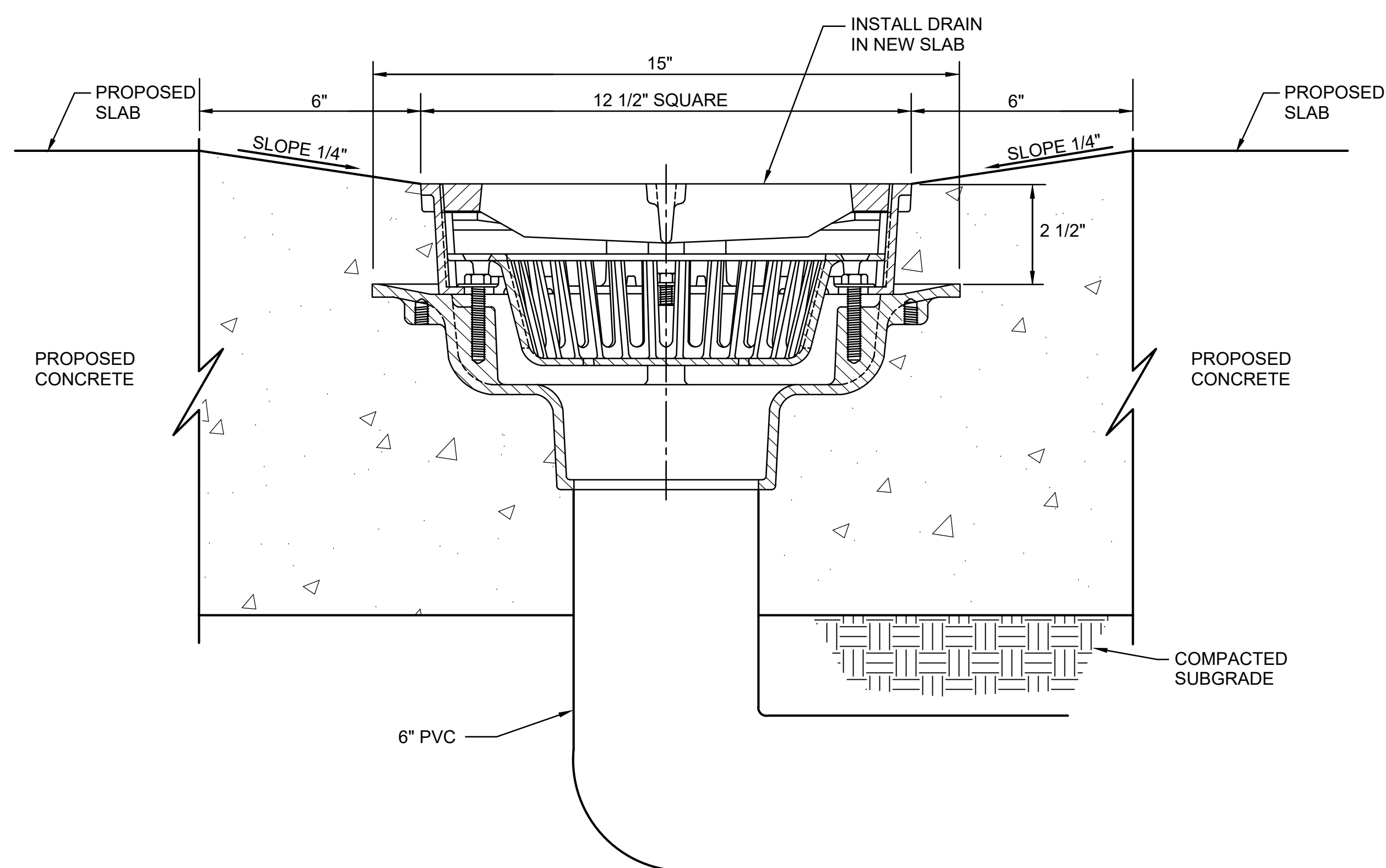


SECTION VIEW AA

**430 GALLON SAND INTERCEPTOR DETAIL**

**PROVIDE SEISMIC RESTRAINTS FOR THE FOLLOWING:**

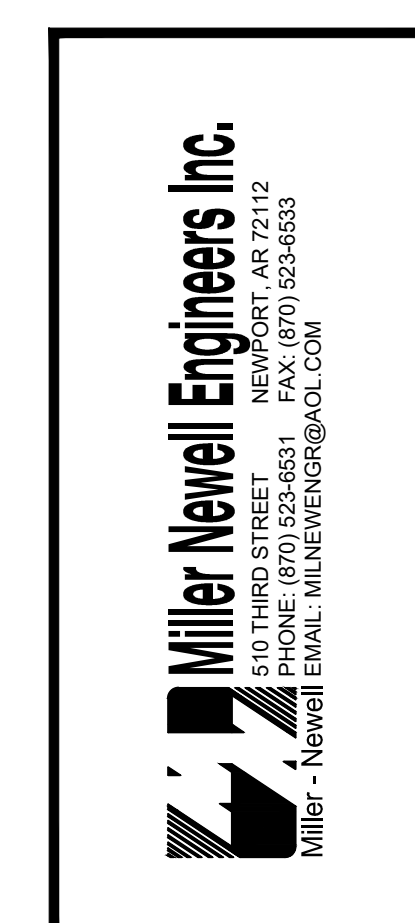
1. GAS PIPING OF ONE (1) INCH OR GREATER INSIDE DIAMETER.
2. PIPING IN MECHANICAL ROOMS 1 1/4 INCHES AND GREATER IN INSIDE DIAMETER.
3. OTHER PIPING 2 1/2 INCHES AND GREATER IN DIAMETER.
4. ELECTRICAL CONDUIT 2 1/2 INCHES AND GREATER IN INSIDE DIAMETER.



FD-2  
FLOOR DRAIN DETAIL

**PLUMBING NOTES:**

1. ALL PLUMBING SHALL COMPLY WITH THE ARKANSAS STATE PLUMBING CODE & ARKANSAS STATE FUEL GAS CODE.
2. THE CONTRACTOR, BEFORE SUBMITTING HIS PROPOSAL, SHALL INSPECT THE SITE OF THE PROPOSED CONSTRUCTION AND BECOME FULLY INFORMED AS TO THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF WORK. NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR WORK OR ITEMS OMITTED FROM HIS PROPOSAL DUE TO HIS FAILURE TO INFORM HIMSELF OF THE CONDITIONS AFFECTING THE PERFORMANCE OF THE WORK INCLUDED IN THE CONTRACT, OR NECESSARY TO CARRY ON AND SATISFACTORILY COMPLETE THE WORK INCLUDED HEREIN.
3. ALL WORKMANSHIP AND MATERIALS HEREIN SPECIFIED SHALL MEET IN EVERY RESPECT THE CODES, STANDARDS AND REGULATIONS HAVING JURISDICTION OF THE WORK. IN CASE OF DIFFERENCE BETWEEN THE VARIOUS STANDARDS AND OTHER REGULATIONS, THE MATTER WILL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND EITHER THE MOST STRINGENT SHALL GOVERN OR THE REGULATION OR STANDARD SELECTED BY THE ENGINEER SHALL GOVERN.
4. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE REQUIREMENTS OF THE APPLICABLE CODES, STANDARDS AND REGULATIONS, HE SHALL BEAR ALL COSTS ARISING FROM THE DEFICIENCIES.
5. FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES TO COMPLETE THE PLUMBING WORK AS SHOWN ON THE DRAWINGS.
6. FURNISH AND INSTALL ALL PLUMBING SYSTEMS COMPLETE IN EVERY RESPECT AND READY TO OPERATE. FURNISH ALL MISCELLANEOUS ITEMS AND ACCESSORIES REQUIRED FOR SUCH INSTALLATION, WHETHER OR NOT EACH ITEM ACCESSORY IS SHOWN ON THE DRAWINGS OR MENTIONED IN THE SPECIFICATIONS.
7. HOT AND COLD WATER PIPING ABOVE SLAB SHALL BE SCHEDULE 40 GALVANIZED STEEL WITH GALVANIZED M.I. FITTINGS OF TYPE "L" COPPER WITH WROUGHT COPPER FITTINGS, OR EQUAL. PIPING BELOW SLAB SHALL BE TYPE "K" COPPER TUBING. EXTERIOR PIPING SHALL BE SCHEDULE 40 GALVANIZED STEEL, TYPE "K" OR "L" COPPER, OR CLASS 150 CAST IRON.
8. TREATED WATER PIPING: SCHEDULE 40 PVC INSTALLED IN CRAWL SPACE BELOW FLOOR. JOINT CEMENT WILL BE PROVIDED BY PVC MANUFACTURER.
9. SOIL AND STORM DRAINAGE PIPING SHALL BE SCHEDULE 40 PVC, OR SCHEDULE 40 ABS DWV PLASTIC PIPE, OR SERVICE WEIGHT CAST IRON WITH SERVICE WEIGHT FITTINGS OR NO HUB. PIPE AND FITTINGS TO BE COATED WITH HOT COAL TAR PITCH INSIDE AND OUT.
10. WASTE AND VENT PIPING FROM DIALYSIS WALL BOXES SHALL BE SCHEDULE 40, PVC, WITH DWV FITTINGS. JOINT CEMENT BY PIPE MANUFACTURER.
11. VENT PIPING 2 1/2 INCH AND UNDER MAY BE SCHEDULE 40 GALVANIZED STEEL PIPE WITH BANNED CAST IRON FITTINGS OR GALVANIZED VICTAULIC COUPLINGS AND FITTINGS. THREE INCH AND LARGER PIPE SHALL BE SERVICE WEIGHT CAST IRON. NO HUB. COPPER DWV WITH COPPER DRAINAGE FITTINGS MAY BE USED FOR ALL SIZE VENTING PIPING. VENT PIPE MAY BE SCHEDULE 40 PVC OR ABS DWV PLASTIC PIPE.
12. GATE AND GLOBE VALVES SHALL BE BRONZE WITH A STEAM WORKING PRESSURE OF 125 PSI AS MANUFACTURED BY JENKINS, STOCKHAM OR WELWORTH. OR EQUAL. VALVES 2" AND SMALLER SHALL HAVE SCREWED ENDS. VALVES 2 1/2" AND LARGER SHALL BE IRON BODY BRONZE MOUNTED 125 PSI ASA FLANGED.
13. CONNECTIONS ARE NOT PERMITTED BETWEEN POTABLE WATER AND NON-POTABLE WATER OR WASTE SOURCES.
14. AIR GAPS OR APPROVED BACKFLOW PREVENTERS SHALL ALWAYS BE USED WHEN REQUIRED BY CODE OR AS NECESSARY TO PREVENT BACKFLOW.
15. ALL COLD AND HOT WATER SUPPLY AND RETURN PIPING EXCEPT EXPOSED CONNECTIONS TO PLUMBING FIXTURES, FLANGES AND UNIONS SHALL BE INSULATED WITH 3/4" WALL THICKNESS GUSTIN-BACON "SNAP-ON" Owens-Corning "PF".
16. ALL EXPOSED PIPING SHALL HAVE A FIRE RETARDANT JACKET APPLIED.
17. COLD WATER PIPING SHALL HAVE A VAPOR BARRIER JACKET APPLIED.
18. HOT WATER PIPING UNDER FLOORS, 1" FOAMGLAS COVERED WITH GLASS CLOTH AND MASTIC.
19. A WATERPROOFING FLASHING SHALL BE PROVIDED FOR EACH PIPE OR VENT PASSING THROUGH THE ROOF.
20. AFTER THE HOT AND COLD WATER SYSTEMS ARE COMPLETE, THEY SHALL BE FLUSHED OUT COMPLETELY AND FILLED WITH WATER AND A SOLUTION OF SODIUM HYPO CHLORITE ADDED TO THE SYSTEM. THE SOLUTION SHALL CONSIST OF 1 GALLON OF 5% SODIUM HYPO CHLORITE, PUREX OR OTHER BLEACH TO 200 GALLONS OF WATER. CHECK RESIDUAL CHLORINE BY ORTHOTOLIDIN TEST. ALLOW SOLUTION TO REMAIN IN THE SYSTEM FOR 24 HOURS, AFTER WHICH THE ENTIRE SYSTEM SHALL BE FLUSHED. THE ENGINEER SHALL BE NOTIFIED 24 HOURS PRIOR TO TESTING SO HIS REPRESENTATIVE CAN WITNESS TEST.
21. CUT PIPE ACCURATELY TO MEASUREMENTS ESTABLISHED AT THE SITE, WORK INTO PLACE, WITHOUT SPRINGING OR FACING AND CLEAR ALL WINDOWS, DOORS AND OTHER OPENINGS. REAM ALL PIPING TO REMOVE BURRS AND INSTALL SO AS TO PERMIT FREE EXPANSION AN CONTRACTION WITHOUT CAUSING DAMAGE. MAKE ALL CHANGES IN DIRECTION WITH FITTINGS.
22. PROVIDE WHETHER SHOWN OR NOT, SUFFICIENT AWING JOINTS, EXPANSION LOOPS AND DEVICES NECESSARY FOR A FLEXIBLE PIPING SYSTEM. PROVIDE UNION SHUT OFF VALVES SUITABLE LOCATED TO FACILITATE MAINTENANCE AND REMOVAL OF ALL EQUIPMENT OR APPARATUS. INSTALL DRAIN VALVES AT ALL LOW POINTS OF EACH SYSTEM TO ENABLE COMPLETE DRAINAGE, AND AIR VENTS AT ALL HIGH POINTS IN THE PIPING SYSTEM TO ENABLE COMPLETE AIR VENTING.
23. JOINTS IN COPPER TUBING SHALL BE MADE USING SWEAT FITTINGS AND TIN-ANTIMONY SOLDER AND NON-CORROSIVE FLUX. FOR SOLDERED JOINTS, THE OUTSIDE SURFACE AT END OF PIPE AND INSIDE SURFACE OF FITTING SHALL BE THOROUGHLY CLEANED WITH STEEL WOOL OR EMERY CLOTH AND ALL BURRS SHALL BE REMOVED. AFTER CLEANING, SURFACES TO BE JOINED SHALL BE EVENLY AND COMPLETELY COVERED WITH FLUX. SOLDER JOINTS SHALL BE WELL SUPPORTED DURING THE HEATED PROCESS AND SHALL NOT BE STRAINED DURING THE COOLING PERIOD. EXCESS SOLDER SHALL BE REMOVED WHILE IN A PLASTIC STATE, LEAVING A FILLET AROUND THE CUP OF THE FITTING AS IT COOLS.
24. ALL PIPE AND FITTINGS WITH SCREWED ENDS SHALL HAVE ITS THREADS CUT CLEAN AND TRUE AND IN CONFORMANCE WITH THE ASA SPECIFICATIONS B2-1 FOR TAPER THREADS. SCREWED PIPE AND FITTING OF BRASS SHALL BE MADE UP WITHOUT MARRING OR DAMAGING PIPE AND FITTING SURFACES. ALL SCREWS PIPE JOINTS, EXCEPT WHERE SPECIFIED OTHERWISE, SHALL BE MADE UP WITH NON-SOLUBLE, NON-TOXIC, APPROVED THREAD COMPOUND, APPLIED TO MALE THREADS ONLY.
25. HANGERS: FURNISH AND INSTALL SUITABLE HANGERS AND SUPPORTS FOR ALL HORIZONTAL LINES. HANGERS AND SUPPORTS SHALL BE GRINNEL, FEE AND MASON, OR EQUAL. HEAVY PIPES SHALL BE CARRIED BY PIPE HANGERS SUPPORTED BY RODS SECURED TO SLAB OR BY APPROVED DESIGN. NO PIPING SHALL BE HUNG FROM OTHER PIPING. IN NO CASE SHALL HANGERS BE SUPPORTED BY MEANS OF VERTICAL EXPANSION BOLTS.
26. ESCUTCHEONS SHALL BE INSTALLED ON PIPES AND CONDUITS WHEREVER THEY PASS THROUGH FLOORS, CEILINGS, WALLS OR PARTITIONS IN FINISHED AREAS.
27. ALL HORIZONTAL PIPING SHALL BE SUPPORTED BY HANGERS IN ACCORDANCE WITH ALL SEISMIC REQUIREMENTS.
28. WATER HEATERS SHALL BE PROVIDED WITH ANTISIPHON DEVISE, RELIEF VALVE IN ACCORDANCE WITH SECTION 504 OF THE ARKANSAS STATE PLUMBING CODE. RELIEF VALVE SHALL DISCHARGE INTO THE HUB DRAIN AND SHALL BE PROVIDED WITH AN AIR GAP.
29. ALL HUB DRAINS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 802.3 OF THE ARKANSAS STATE PLUMBING CODE AND SHALL EXTEND AT LEAST 1" ABOVE THE FLOOR.
30. ALL HUB DRAINS AND FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP SEAL PRIMER VALVE. TRAP SEAL PRIMER VALVE SHALL CONNECT TO THE TRAP AT A POINT ABOVE THE LEVEL OF THE TRAP SEAL. TRAP SEAL PRIMER VALVE SHALL CONFORM TO ASSE 1018 OR ASSE 1044.
31. WATER HEATER INSTALLATION SHALL COMPLY WITH ARKANSAS STATE PLUMBING CODE CHAPTER 5.
32. WATER DISTRIBUTION SYSTEM SHALL COMPLY WITH ARKANSAS STATE PLUMBING CODE CHAPTER 6.
33. ALL HAND WASHING SINKS SHALL BE PROVIDED WITH TEMPERATURE MIXER FOR TEMPERED WATER IN ACCORDANCE WITH ARKANSAS STATE PLUMBING CODE SECTION 416.5.
34. INSTALL FLOOR DRAIN (FD-2) IN NEW CONCRETE SLAB.
35. ALL AIR PIPING SHALL BE BLACK STEEL PIPING.



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PROPOSED:  
**TRUMANN FIRE STATION**  
801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
DRAWN BY:  
CHECKED BY: WM  
DATE: 10-11-2023  
REVISIONS:

SHEET NO.:

P108

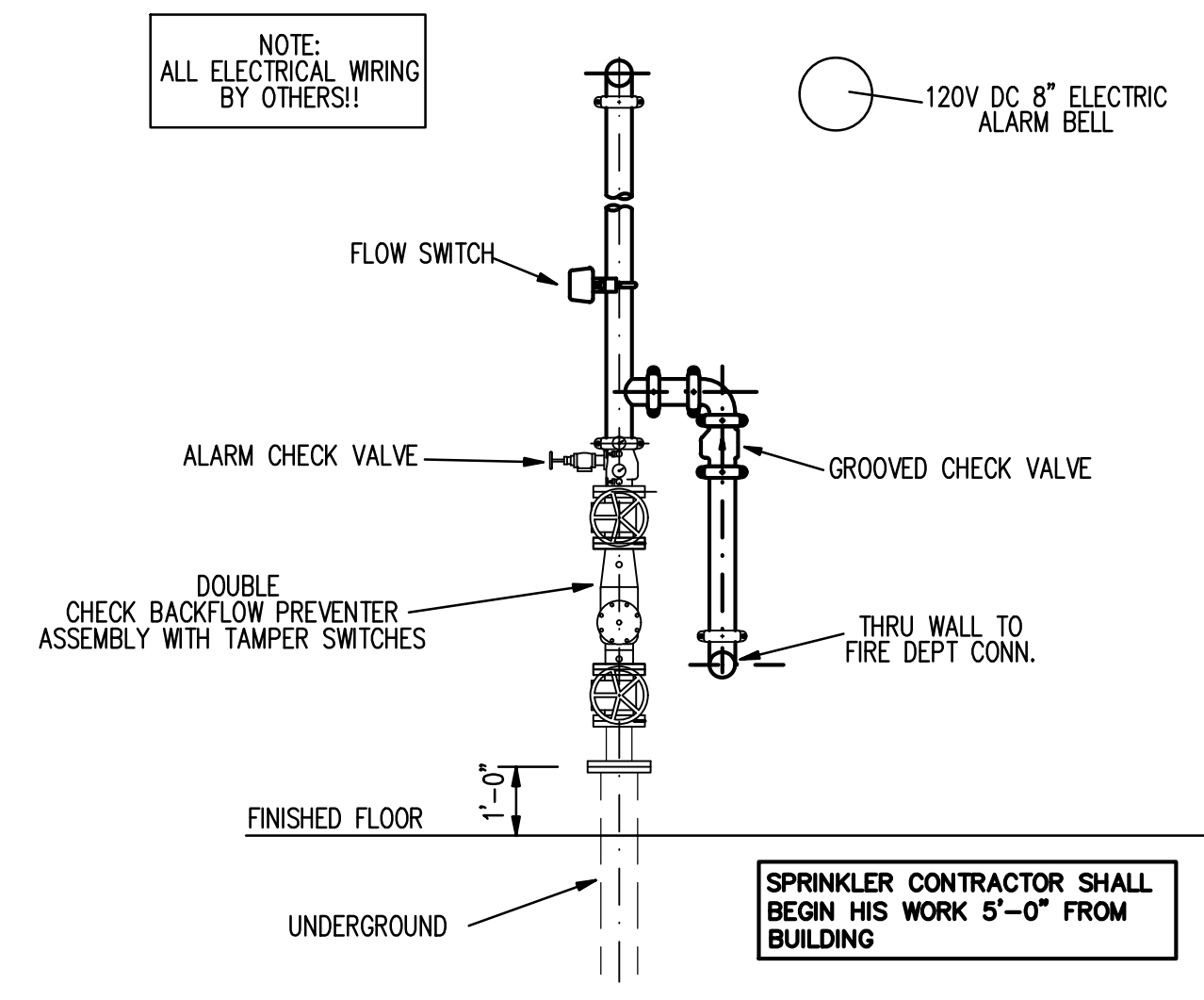
PLUMBING NOTES

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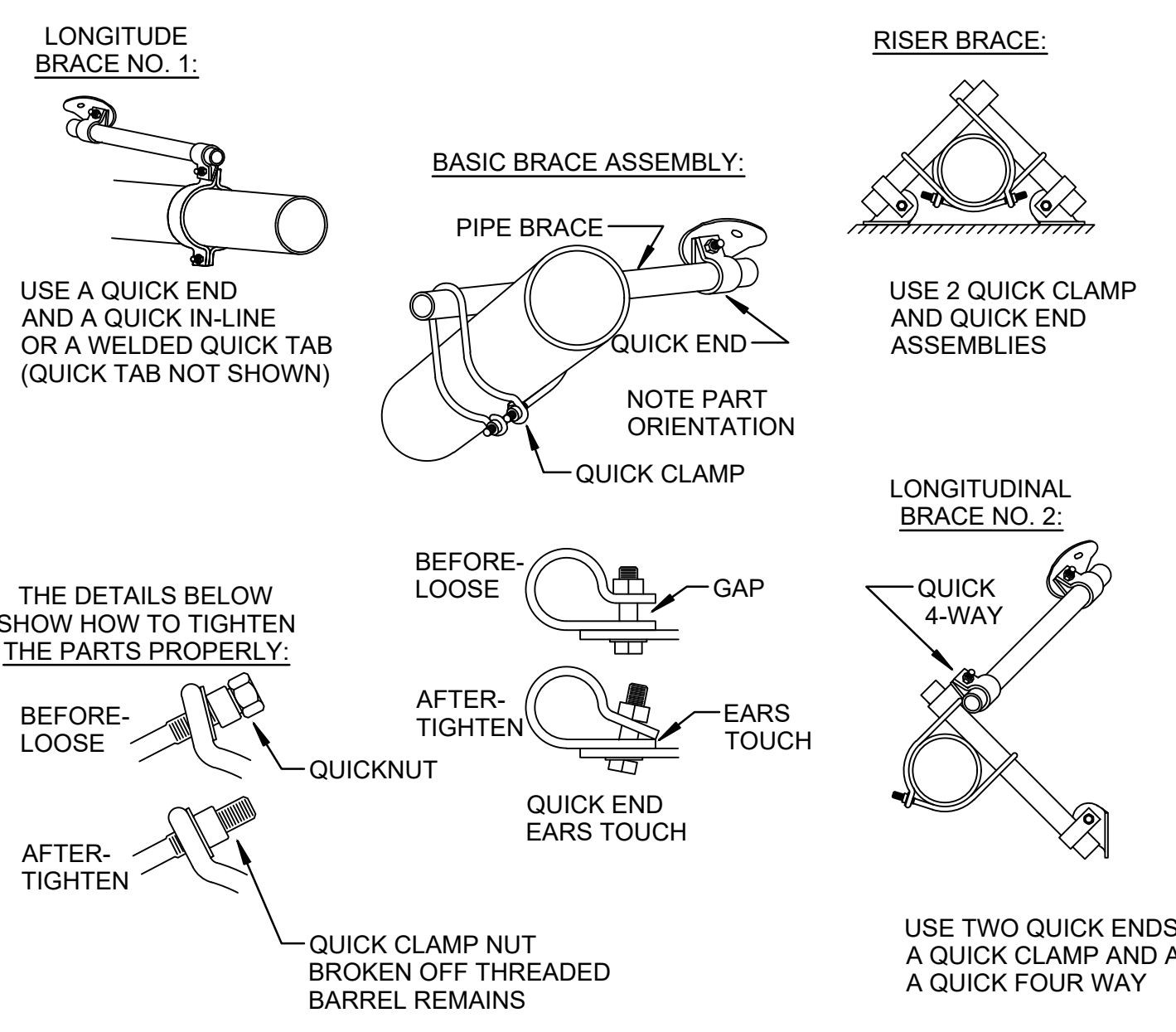
# GENERAL NOTES

- Sprinkler system to be installed in strict accordance with specifications, NFPA #13 (Latest Edition), and the Arkansas State Health Department.
- The Scope of this project is to install an Automatic Sprinkler System throughout the new facility. The system shown on these drawings show the system configuration, and number of sprinklers required.
- Design Criteria:
  - All light hazard occupancies are to be designed to a density of .10 gpm/ most demanding 1500 sq.ft. with a 100 gpm hose allowance.
  - All ordinary hazard occupancies are designed to a density of .20 gpm/ most demanding 1500 sq.ft. with a 250 gpm hose allowance.

Note: Area of application may be reduced due to quick response heads and ceiling heights per NFPA #13.
- Hydraulic calculations to be based on using thinwall pipe with grooved couplings and welded branchline outlets for all main piping 2" and larger. Branchline piping 2" and smaller is schedule 40 piping. \*\* Thinwall pipe may be used in the branchlines.
- All pipe lengths on drawings are center-to-center dimensions. All hanger lengths are from top of steel or angle iron to centerline of pipe.
- All hangers are indicated on the drawings. All pipe supports and materials to be selected by SPRINKLER CONTRACTOR and shall comply with N.F.P.A. #13 requirements.
- All new fire protection devices and equipment are to be UL/FM listed and approved for fire protection.
- All new piping to be in accordance with ASTM A-795.
- No butt welding will be allowed on welded piping.
- All blind space construction is of noncombustible materials and no sprinklers are required in these areas.
- All electrical and alarm work to be provided by contractor.
- Any material substitutions made from those specified must be the equivalent to that item.
- Successful Sprinkler Contractor will be furnished a CAD file of the drawings for his use in adding shop markings and cut dimensions. Sprinkler Contractor shall maintain "as-built" drawings and submit same to Architect at the conclusion of the project.
- Every effort has been made in the preparation of these drawings to avoid conflicts with other trades and to make the system fit the building. Successful Sprinkler contractor shall make his own "job check" and make any adjustments necessary to coordinate with other trades prior to fabrication. No payments will be made for changes required by Contractor's failure to coordinate properly with conditions on the job site.
- Storage that does not exceed 12ft. in height and is incidental to another occupancy use group. Such storage shall not constitute more than 10 percent of the building area or 4000 sq.ft. or the sprinklered area, whichever is greater. Such storage shall not exceed 1000 sq.ft. in one pile or area, and each such pile or area shall be separated from other storage areas by at least 25 ft per N.F.P.A. #13.
- Storage of combustible stockpiles in Ordinary Hazard Group occupancies will not exceed 12 feet in height per N.F.P.A. 13.
- Sprinkler system alarm and supervisory systems shall be installed by others in accordance with N.F.P.A. 72. Providing supervision and remote monitoring in accordance with NFPA 101 per NFPA 13.
- Sprinklers shall be installed under ducts, decks, and other obstructions over 4 feet wide per NFPA 13.
- There are no areas subject to temperatures below 40 degrees F. Therefore, no dry pipe or preaction are required, per NFPA 13.
- All sprinkler pipe and fittings will be installed so that the system can be drained per NFPA 13.
- The distance from sprinklers to walls (or obstructions) will not exceed one-half of the allowable distance between sprinklers per NFPA 13.
- Separation will be provided between vertical obstruction(s) and sprinkler(s) to comply with NFPA 13.
- Separation will be provided between horizontal obstruction(s) and sprinkler(s) to comply with NFPA 13.
- Open grid ceilings will not be installed beneath sprinklers without documented compliance with the exception(s) per NFPA 13.
- Contractor shall furnish Architect and General Contractor Hydraulic Calculations accurately depicting the system as installed, should job changes warrant.
- Sprinkler Contractor shall submit material and equipment cuts of all materials to the local approving authorities for approval prior to installation.



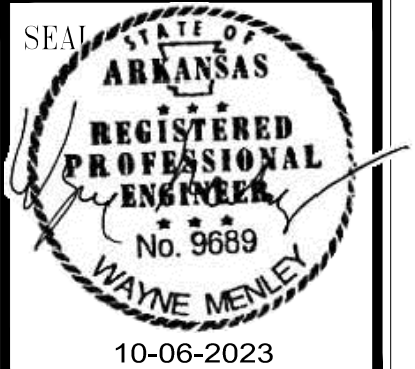
**RISER DETAIL**  
SCALE: 1" = 1'-0"



NOTE: THESE DETAILS ARE PROVIDED WITH THE INTENTION THAT THE ATTACHMENTS TO THE BUILDING BE DIRECTLY CONNECTED TO A RIGID STRUCTURAL COMPONENT. SHOULD CONNECTIONS TO OTHER THAN RIGID STRUCTURAL COMPONENTS BE REQUIRED, THE SEISMIC BRACING SHALL BE DESIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER.

NOTE:  
INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING PLANS AND CALCULATIONS BEARING HIS TITLE BLOCK TO THE LOCAL APPROVING AUTHORITIES. ANY ADDITIONAL NOTES OR DETAILS REQUIRED BY THE AUTHORITY HAVING JURISDICTION TO OBTAIN APPROVAL WILL BE THE INSTALLING CONTRACTORS RESPONSIBILITY.

COORDINATION NOTE:  
THIS DRAWING IS FOR ESTIMATING PURPOSES. IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL CONDITIONS WITH ALL TRADES BEFORE ANY PIPING IS TO BE FABRICATED. VERIFICATION OF HYDRAULIC CALCULATIONS WILL ALSO BE REQUIRED BY THE SPRINKLER CONTRACTOR. NO PAYMENTS WILL BE MADE FOR CHANGES REQUIRED DUE TO THE CONTRACTOR'S FAILURE TO COORDINATE PROPERLY WITH ALL CONDITIONS ON THE JOB SITE.



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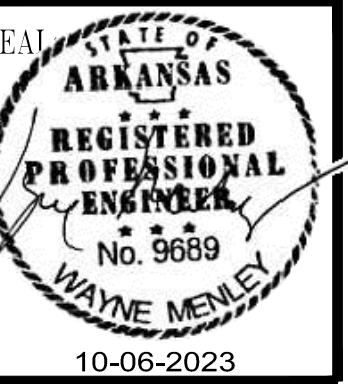
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RENOVATION OF:  
**TRUMANN FIRE STATION**  
 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
 DRAWN BY:  
 CHECKED BY:  
 DATE: 10-11-2023  
 REVISIONS:

SHEET NO.:  
**FP2**





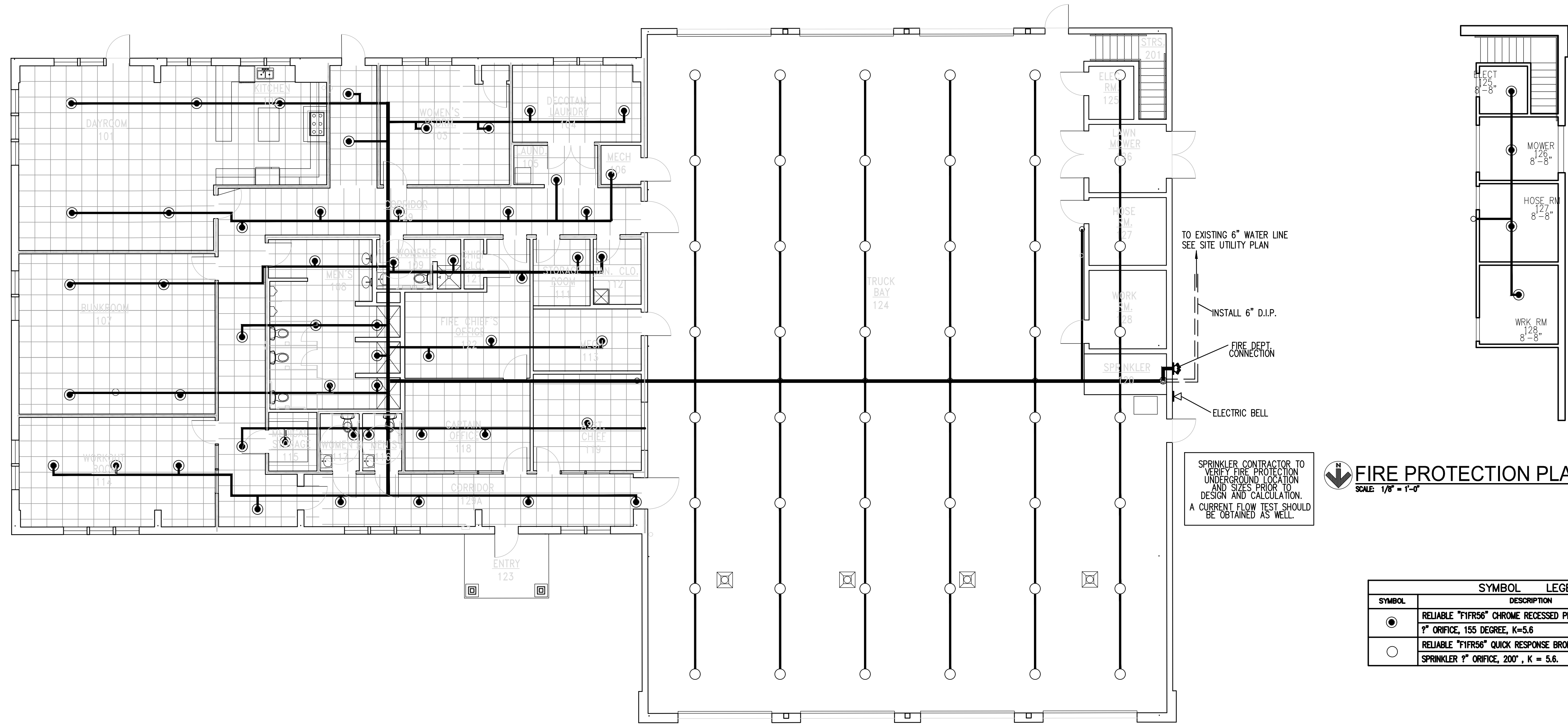
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RENOVATION OF:  
**TRUMANN FIRE STATION**  
 801 WEST MAIN ST, TRUMANN, AR 72472

PROJECT NO.: 2023-02  
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SHEET NO.:  
**FP1**



**FIRE PROTECTION PLAN-BELOW MEZZ.**  
 SCALE: 1/8" = 1'-0"

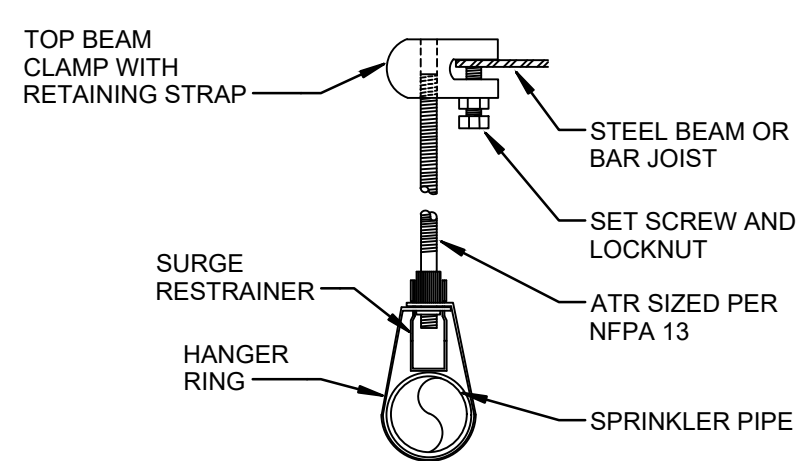
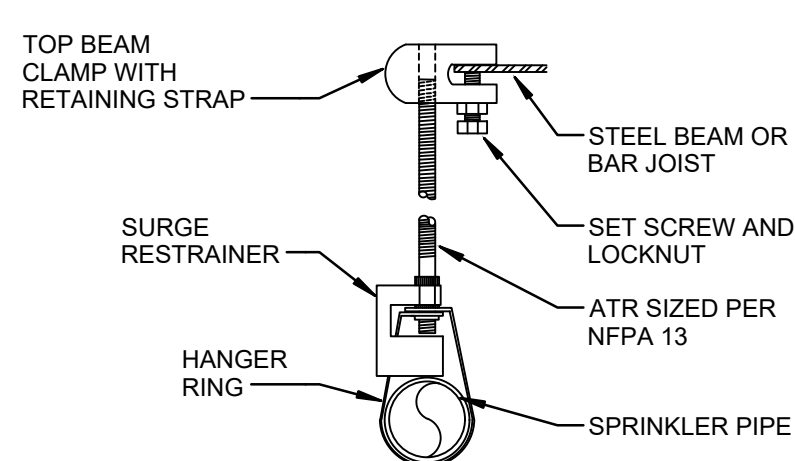
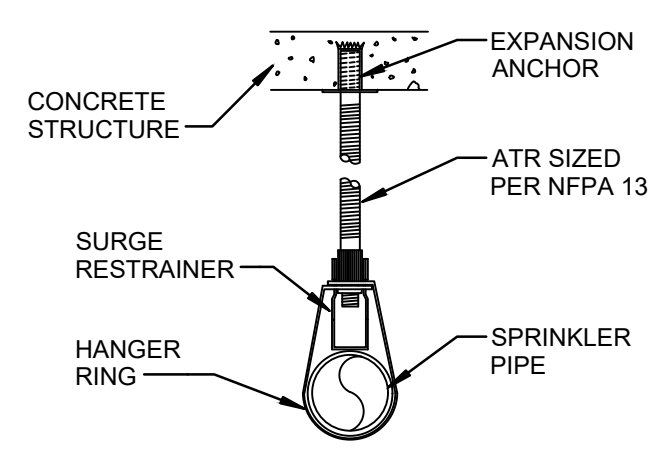
SYMBOL LEGEND		
SYMBOL	DESCRIPTION	SIN
●	RELIABLE "F1FR56" CHROME RECESSED PENDENT, OR 1" ORIFICE, 155 DEGREE, K=5.6	RA1414
○	RELIABLE "F1FR56" QUICK RESPONSE BRONZE UPRIGHT SPRAY SPRINKLER 1" ORIFICE, 200', K = 5.6.	RA1425

OR EQUAL

SPRINKLER CONTRACTOR TO VERIFY FIRE PROTECTION UNDERGROUND LOCATION AND SIZES PRIOR TO DESIGN AND CALCULATION. A CURRENT FLOW TEST SHOULD BE OBTAINED AS WELL.

TO EXISTING 6" WATER LINE SEE SITE UTILITY PLAN  
 INSTALL 6" D.I.P.  
 FIRE DEPT. CONNECTION  
 ELECTRIC BELL

**FIRE PROTECTION PLAN**  
 SCALE: 1/8" = 1'-0"



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