



- 3) Sheet C100 – DEMOLITION PLAN
  - a. ADD a note to remove the existing well system.
  - b. REVISE Keyed note #3 to remove existing shed.
- 4) Sheet C200 – SITE PLAN
  - a. CORRECTED the pavement drive to the building on the apparatus side.
  - b. SHOWED the 3 outside condensers and called out landscape screening.\
  - c. CHANGED the trash enclosure to a trash pad and moved it to the southwest corner of the pavement drive on the apparatus side.
- 5) Sheet C201 – JOINTING PLAN
  - a. ADD new sheet.
- 6) Sheet C300 – GRADING PLAN
  - a. ADD spot shots for the corrected pavement.
  - b. REVISED grading on the living quarters side.
- 7) Sheet C302 – SOIL REMEDIATION PLAN
  - a. ADD new sheet.
- 8) Sheet C500 – UTILITY PLAN
  - a. ADD a propane tank to the plans and show gas line to the condensers.
  - b. REMOVED the trench drain and added an ADS inlet.
  - c. REVISED the layout of the septic field to match the design by the septic engineer.
  - d. REVISED the route of the underground electric.
- 9) Sheet C501 – ONSITE WASTEWATER TREATMENT PLAN
  - a. ADD new sheet.
- 10) Sheet C600 – SEWER PROFILES
  - a. REVISED the profile for the storm 3 run with the new ADS inlet.
- 11) Sheet C701 – PROPOSED DRAINAGE AREA MAP
  - a. REVISED drainage areas to match the revised grading areas from sheet C300.
- 12) Sheet C800 – SITE DETAILS
  - a. ADD new details.
- 13) Sheet LS101 – LIFE SAFETY PLAN
  - a. ADD a K-class fire extinguisher and cabinet in the kitchen.
  - b. ADD a wall mounted fire extinguisher in the North end of App Bay 117.
- 14) Sheet AD101 – DEMOLITION FLOOR PLANS
  - a. REVISE Keyed Noted D11, D12 and D18.
  - b. ADD Keyed Note D31 to remove existing windows and add notes to plan.
  - c. ADD Keyed Note D9 to the interior mezzanine walls and the South and East walls of the mechanical room.
  - d. ADD existing pair of doors to the hose tower and add Keyed Note 13 for them to be demolished.
  - e. REMOVE existing entrance door/frame/hardware.
- 15) Sheet AD102 – DEMOLITION FLOOR PLANS
  - a. REVISE Keyed Note DR5.
- 16) Sheet A101 – FIRST FLOOR PLAN
  - a. MODIFY Floor Plan General Note 6.
  - b. MODIFY Keyed Notes 15 and 31.
  - c. ADD Keyed Notes 32-36 and 38-39 to the schedule and the plan.
  - d. REVISE the exterior wall dimensions to reference the same points as the structural documents.

- e. ADD furrou partition P11 to the North walls of Toilets 106 and 111. The rooms shift South and the Laundry counter gets narrower.
  - f. ADD furrou partition P9 to the North walls of Entry 100 and Toilet 121. The toilet and office shift South and the Multi-purpose room gets smaller. Consequently, the ramp in the app bay shifts South as well.
  - g. ADD notations to the windows in the multi-purpose room and to the downspouts.
  - h. ADD a K-class fire extinguisher and cabinet in the Kitchen area.
  - i. REVISE the West wall of the Gear/Decon room to Partition P6.
  - j. ADD a wall mounted fire extinguisher near Door 117A.
  - k. Clarified the opening size between the existing and new app bays.
  - l. ADD the note regarding fireblocking.
  - m. ADD dimension notations to show extent of alternate brick veneer/thin brick.
  - n. REVISE Door 118A to a new door/frame/hardware.
- 17) Sheet A121 – REFLECTED CEILING PLAN
- a. MODIFY General Note 4.
  - b. ADD Keyed Note C10 and add to plan.
  - c. ADD seismic ceiling suspension detail.
  - d. REVISE Gear room ceiling note to C2.
  - e. ADD note for Elec Closet 115 ceiling.
  - f. REVISE Entry 100 and Toilet 121 areas per plan revision.
  - g. RELOCATE Keyed Note C7 to the mezzanine access ladder location.
- 18) Sheet A141 – ROOF PLAN
- a. REVISED Keyed Notes R1, R2 and R10 and eliminated Keyed Note R3.
- 19) Sheet A201 – EXTERIOR ELEVATIONS
- a. REVISE Keyed Note E1.
  - b. ADD notations to the South elevation.
  - c. ADD Keyed Notes E21, E22 and E23.
  - d. REVISE the App Bay Bearing Height to 17' – 7 1/8" to match structural.
  - e. REVISE the windows to be taller.
  - f. ADD hatch to the South elevation to show where the alternate for brick veneer or thin brick is located. Refer to the floor plan and wall sections 5/A322 and 6/A322.
  - g. ADD and expansion joint between the existing and new buildings (Keyed Note E23).
- 20) Sheet A202 – EXTERIOR ELEVATIONS
- a. REVISE Keyed Note E1.
  - b. ADD Keyed Note E21 and note on the elevation.
  - c. ADD various notations to the elevation.
  - d. ADD Keyed Notes E21, E22 and E23.
  - e. REVISE the App Bay Bearing Height to 17' – 7 1/8" to match structural.
  - f. REVISE the windows to be taller.
  - g. ADD hatch to the elevation to show where the alternate for brick veneer or thin brick is located. Refer to the floor plan and wall sections 5/A322 and 6/A322.
  - h. ADD and expansion joint between the existing and new buildings (Keyed Note E23).
- 21) Sheet A221 – INTERIOR ELEVATIONS
- a. MODIFY interior elevation general notes.
  - b. ADD Keyed Notes E48.

- c. REVISE interior elevations.
- 22) Sheet A301 – BUILDING SECTIONS
  - a. REVISE Keyed Note S4.
  - b. ADD Keyed Note S11.
  - c. REVISE building sections.
- 23) Sheet A321 – WALL SECTIONS
  - a. REVISE all wall sections.
  - b. ADD fireblocking note.
- 24) Sheet A322 – WALL SECTIONS
  - a. REVISE wall sections.
  - b. ADD Wall Sections 5/A322 and 6/A322 for alternate brick veneer (at the North addition) and adhered thin brick (at the existing building and the South end of the new app bay).
  - c. ADD fireblocking note.
- 25) Sheet A541 – SECTION DETAILS
  - a. REVISE details.
- 26) Sheet A601 – DOOR SCHEDULE AND PARTITION TYPES
  - a. REVISE Door 118A and add Door 201 in the Door Schedule.
  - b. REVISE Door Hardware Groups #04 and Group #07 and add Group #08.
  - c. MODIFY partition types and add Partition Type “P11”.
  - d. REVISE window models so that the windows are taller.
  - e. ADD Door 201 to the door types (Type D6) and frame types (Type F3).
- 27) Sheet A961 – ROOM FINISH PLAN AND LEGEND
  - a. REVISE the Finish Legend.
  - b. ADD Keyed Note Schedule.
- 28) Sheet S200 – FOUNDATION PLAN
  - a. UPDATED sheet numbers on section cuts.
- 29) Sheet S210 – FOUNDATION DETAILS
  - a. ADD F1 Alt. detail for brick.
- 30) Sheet S400 – ROOF FRAMING PLAN
  - a. ADDED brick lintel schedule for Alternate.
- 31) Sheet P300 – FLOOR PLAN – ABOVE SLAB PLUMBING
  - a. REVISE Keynote #8 to add the following sentence, “INSTALL VACUUM BREAKER ON COLD WATER SUPPLY LINE TO HOSE REEL.”
- 32) Sheet P400 – DETAILS - PLUMBING
  - a. REPLACE Detail 11, “Piping Connections at Domestic Water Heater DWH-1” with “Piping Connections at Propane Fired Water Heater DWH-1”.
- 33) Sheet P500 – SCHEDULES
  - a. REPLACE “Domestic Water Heater Schedule” with “Domestic Propane Fired Water Heater Schedule”.
- 34) Sheet M2.00 – FLOOR PLAN – MECHANICAL
  - a. REVISE split system to high efficiency propane gas furnaces and cooling only condensing units.
  - b. CHANGE unit heaters from electric to propane gas.
  - c. ADD propane gas piping in building.
  - d. ADDED keyed notes for return air transfer openings above ceiling by G.C. in full height partitions.
- 35) Sheet M4.00 – MECHANICAL DETAILS
  - a. ADJUSTED layout of details.

- b. ADDED Details 8 through 11.
- 36) Sheet M4.01 – SPECIFICATIONS
  - a. UPDATED Piping Specifications to include gas piping.
- 37) Sheet M5.00 – MECHANICAL SCHEDULES
  - a. UPDATED Seismic Code Block to include gas piping and gas unit heaters.
  - b. ADDED Liquid Propane Gas Pressure Regulator Schedule.
  - c. DELETED Electric Unit Heater Schedule.
  - d. ADDED Gas Unit Heater Schedule.
  - e. UPDATED Air Device Schedule.
  - f. DELETED Split Systems Schedule.
  - g. ADD Gas Split Systems Schedule.
  - h. UPDATED accessories/notes on Exhaust Fan Schedule.
- 38) Sheet E100 – ELECTRICAL SITE PLAN
  - a. ADDED notes about the relocation/disconnect of the House 1 generator.
- 39) Sheet E201 – FLOOR PLAN
  - a. ADDED power for door access controls. Removed note for baby box.
- 40) Sheet E301 – CEILING PLAN
  - a. REVISED lighting at gyp ceilings in office area. Added alternate for exterior lighting.
- 41) Sheet E500 – ELECTRICAL SCHEDULES
  - a. REVISED light fixture schedule.

**End of Addendum**

## SECTION 012300 - ALTERNATES

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

#### 1.2 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
  - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
  - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

#### 1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
  - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

#### 1.4 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.

- B. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.

## PART 2 - PRODUCTS (Not Used)

## PART 3 - EXECUTION

### 3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 1 - Building soil remediation
  - a. This alternate is to include but is not limited to the following scopes of work:
    - i. Remediate to a minimum depth of 3' below finish floor and 2' below bearing of the foundation/grade beams and to a 5' horizontal distance beyond the footprint of the new structure. 1" minus rock material is to be used as the engineered fill for these remediation considerations.
- B. Alternate No. 2 - Pavement soil remediation
  - a. This alternate is to include but is not limited to the following scopes of work:
    - i. Remediate to a minimum depth of 1' below finish grade of pavement. 1" minus rock material is to be used as the engineered fill for these remediation considerations.
- C. Alternate No. 3 - Pavement joint sealants
  - a. This alternate is to include but is not limited to the following scopes of work:
    - i. Provide pavement joint sealants at all construction and contraction joints within the pavement areas. Product to be **Vulkem 45SSL** Single-Component Semi-Self Leveling Polyurethane Sealant or equivalent.
- D. Alternate No. 4 - RGB LED lighting for app bay wall lights to be programmed with soffit lights.
  - a. This alternate is to include but is not limited to the following scopes of work:
    - i. Fixture type 'F1' changes to type 'F1A' to be controlled via Casambi (app based lighting controller).
- E. Alternate No. 5 - Remove and replace existing siding with Masonry Veneer.
  - a. This alternate is to include but is not limited to the following scopes of work:
    - i. At the existing building remove existing metal siding to the limits outlined within the alternate elevations.
    - ii. At the new addition deduct metal wall panels and add the brick veneer outlined within the alternate elevations.
- F. Alternate No. 6 - Kitchen countertops to be Quartz ILO Solid Surface
  - a. This alternate is to include but is not limited to the following scopes of work:
    - i. At living quarters kitchen only, change the specified Solid Surface countertops to be Quartz. Manufacturer to be Cambria or equal. Provide a cost for each level of pricing offered by the manufacturer.

# A New Project For:

# WCFPD Station 3 Addition and Remodel

## 9 Highway WW Wright City, Missouri

● **LCS, LLC**  
Design/Builder

● **SE/Coady Architects, LLC**  
Architects

● **Engenuity**  
Civil Engineering

● **Jarrell Mechanical Contractors**  
MP Design/Builder

● **Engenuity**  
Electrical Engineer

● **Crockett Engineering Consultants**  
Structural Engineers

### PLAN REVIEW INFORMATION

CODE INFORMATION:

- 2015 ICC BUILDING CODES WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL EXISTING BUILDING CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL FIRE CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL MECHANICAL CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL PLUMBING CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 NATIONAL ELECTRICAL CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL ENERGY CONSERVATION CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ADA STANDARDS FOR ACCESSIBILITY DESIGN
- 2012 NFPA 101

NAME OF PROJECT: WCFPD - WRIGHT CITY FIRE PROTECTION DISTRICT - STATION 3 ADDITION AND REMODEL  
STREET ADDRESS: 9 HIGHWAY WW, WRIGHT CITY, MISSOURI

1. TYPE OF PROJECT: FIRE STATION ADDITION AND REMODEL

EXISTING BUILDING SQUARE FOOTAGE: 2,898 S.F.  
SQUARE FOOTAGE OF DEMOLISHED HOSE TOWER: (79 S.F.)  
EXISTING BUILDING SQUARE FOOTAGE TO REMAIN: 2,819 S.F.  
EXISTING BUILDING REMODEL SQUARE FOOTAGE: 653 S.F.

ADDITION SQUARE FOOTAGE:  
LIVING QUARTERS ADDITION: 2,396 S.F.  
GEAR ROOM ADDITION: 217 S.F.  
APP BAY ADDITION: 1,206 S.F.  
TOTAL ADDITION SQUARE FOOTAGE: 3,819 S.F.

TOTAL BUILDING SQUARE FOOTAGE:  
2,819 S.F. + 3,819 S.F. = 6,638 S.F.

OCCUPANCY:  
LIVING QUARTERS - 2,396 S.F. - R-2 OCCUPANCY  
APPARATUS BAY - 3,589 S.F. - S-1 OCCUPANCY  
ADMIN. AREA - 653 S.F. - B OCCUPANCY

2. HEIGHT / AREA (CHAPTER 5):  
USE GROUP: MIXED USE NON-SEPARATED OCCUPANCIES: R-2 RESIDENTIAL / S-1 STORAGE / B-BUSINESS  
TYPE OF CONSTRUCTION: VB

ALLOWABLE AREA: (TYPE VB / SPRINKLERED)  
R-2: 28,000 S.F. / 3 STORIES  
S-1: 36,000 S.F. / 3 STORIES  
B: 36,000 S.F. / 3 STORIES

3. FIRE SUPPRESSION (CHAPTER 9):  
THROUGHOUT (OCCUPANCY REQUIREMENT) (903.2.1 THROUGH 903.2.11): GROUP R - REQUIRED THROUGHOUT BUILDING  
THROUGHOUT (BUILDING AREA OR HEIGHT INCREASE) (504.3 AND 506.3): N/A

4. INCIDENTAL ACCESSORY OCCUPANCIES (TABLE 509)  
LAUNDRY ROOMS OVER 100 SQUARE FEET: AUTOMATIC SPRINKLER SYSTEM PROVIDED

5. MIXED USE OPTIONS: (SPECIFY ONE)  
NON-SEPARATED USES (508.3) ALLOWABLE AREA/HEIGHT CONTROLLED BY MOST RESTRICTIVE USE: R-2 / S-1 / B

6. TABLE 601 - FIRE RATINGS OF STRUCTURAL FRAME, STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS AND TRUSSES: 0 BEARING WALLS

EXTERIOR: 0 HR  
INTERIOR: 0 HR

NON-BEARING WALLS  
EXTERIOR: 0 HR  
INTERIOR: 0 HR

FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS: N/A  
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS: N/A  
SEE SECTION 704 FOR REQUIREMENTS FOR PROTECTION OF STRUCTURAL MEMBERS

### SHEET INDEX

17. ROOF COVERING CLASS (1505): CLASS C

18. RESTROOMS: TOTAL ACTUAL OCCUPANTS = 4 PER SHIFT / 8 TOTAL AT SHIFT CHANGE

TYPE OF BUILDING:	MIN. # REQUIRED FIXTURES		ACTUAL NUMBER OF FIXTURES
	MALE	FEMALE	
WATER CLOSETS:			
R-2	1/10	1/10	2 @ SLEEPING ROOMS
S-1	1/100	1/100	1 @ UNISEX RESTROOM AT LIVING QUARTERS
B	1/25	1/25	1 @ UNISEX RESTROOM FOR BUSINESS AND APP BAY
LAVATORIES:			
R-2	1/10	1/10	2 @ SLEEPING ROOMS
S-1	1/100	1/100	1 @ UNISEX RESTROOM AT LIVING QUARTERS
B	1/40	1/40	1 @ UNISEX RESTROOM FOR BUSINESS AND APP BAY
SERVICE SINK:	1 REQ'D	1 PROVIDED	
DRINKING FOUNTAINS: REQUIRED:	1	ACTUAL: 1 WATER BUBBLERS PROVIDED	

7. TABLE 602- FIRE RATING OF EXTERIOR WALLS BASED UPON SEPARATION DISTANCE:

LOAD BRG.	(<5')	(5'0" < 10')	(10'0" < 30')	(30' OR MORE)
NON-LOAD BRG.	N/A	1 HR	0 HR	N/A
	N/A	1 HR	0 HR	N/A

8. OTHER FIRE RESISTIVE ASSEMBLIES:

FIRE PARTITIONS (708):  
SEPARATION WALLS AS REQUIRED BY SECTION 420.2 FOR GROUPS I-1, R-1, R-2 AND R-3 (708.1). 1/2 HOUR RATING SEPARATING R-2 SLEEPING UNITS AND WALLS SEPARATING SLEEPING UNITS FROM OTHER OCCUPANCIES CONTIGUOUS TO THEM IN THE SAME BUILDING.  
CORRIDOR WALLS AS REQUIRED BY SECTION 1020.1 (708.1). (R OCCUPANCY 1/2 HR IF OCCUPANT LOAD GREATER THAN 10 - N/A - ACTUAL OCCUPANT LOAD = 4 PER SHIFT)

9. OPENINGS, PENETRATIONS AND JOINTS:  
PENETRATIONS (714) BY METAL CONDUITS AND PIPE, PLASTIC PIPE, DUCTWORK, VERTICAL AND HORIZONTAL FIRE RESISTANCE RATED ASSEMBLIES (714.3 AND 714.4):  
SAME AS ASSEMBLY RATING.  
NON-FIRE RESISTANCE RATED ASSEMBLIES (CONNECTING >2 STORIES) (714.5):  
SAME AS SHAFT ENCLOSURE.  
JOINTS (715) WHERE WALLS MEET WALLS, WALLS MEET FLOORS OR WALLS MEET ROOF ASSEMBLIES TESTED IN ACCORDANCE WITH UL 2079: SAME AS ASSEMBLY RATING.

OPENINGS (716)	ASSEMBLY TYPE	ASSEMBLY RATING	OPENING RATING
DOORS AND SHUTTERS	N/A	N/A	N/A
FIRE WALL/FIRE BARRIER+1 HR	N/A	N/A	N/A
SHAFT/EXIT ENCLOSURE	N/A	N/A	N/A
HORIZONTAL EXITS IN FIRE WALLS	N/A	N/A	N/A
1 HR FIRE BARRIERS	1 HR	1 HR	1 HR
OTHER FIRE BARRIERS	N/A	N/A	N/A
FIRE PARTITIONS: CORRIDOR WALLS	.5	1/3	1/3
OTHER FIRE PARTITIONS	.5	1/3	1/3
SMOKE BARRIERS	N/A	N/A	N/A
EXTERIOR WALLS	N/A	N/A	N/A

10. DRAFTSTOPPING IN ATTICS:  
718.4.2 / 718.4.3 - NOT REQUIRED IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1.

INTERIOR FINISHES (7803.11):  
VERTICAL EXITS AND EXIT PASSAGEWAYS CLASS B N/A  
EXIT ACCESS CORRIDORS AND OTHER EXITWAYS CLASS B N/A  
ROOMS/ENCLOSED SPACES CLASS C N/A

11. FIRE ALARM AND DETECTION SYSTEMS (907):  
MANUAL FIRE ALARM REQUIRED NOT REQUIRED PROVIDED  
AUTOMATIC FIRE DETECTION X  
SINGLE/MULTIPLE STATION X

12. OCCUPANT LOAD (1004):  
R-2 = 2,396/200 = 12 PEOPLE (ACTUAL 4 PER SHIFT)  
S-1 = 3,589/300 = 12 PEOPLE  
B = 653/100 = 7 PEOPLE  
TOTAL: 31 PEOPLE CALCULATED / 4 PER SHIFT ACTUAL LIVING QUARTERS

13. EGRESS WIDTH (PER FLOOR):  
CALCULATED (1005.1): TOTAL OCCUPANTS (2) x 31=6.2 in 180 in PROVIDED

14. NUMBER OF EXITS:  
SPACES WITH 1 EXIT (11006.2.1): N/A

15. STORIES WITH ONE EXIT (1006.3.2)(2) # OF STORIES: N/A # OF OCC'S: N/A TRAVEL DIST.: N/A  
>1 EXIT REQUIRED (1006.2.1): OCCUPANT LOAD: 31 NUMBER OF EXITS REQUIRED: 2  
NUMBER OF EXITS PROVIDED: 8

16. EXIT TRAVEL DISTANCE (1017):  
ACTUAL: 100'  
ALLOWED (11017.2): 250' (with a sprinkler system)

17. ATTIC AND UNDERFLOOR VENTILATION (1203.2 AND 1203.3): YES  
REFER TO ROOF PLAN

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C302 SOIL REMEDIATION PLAN  
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E2201 DEMOLITION PLAN

WCFPD - Station 3  
Wright City Fire Protection District  
9 Highway WW Wright City, MO

Revisions:

No.	Date	Description
1	2025-09-19	Add No. 1
2	2025-09-30	Add No. 2

Sheet Info:

TITLE SHEET WITH CODE REVIEW

Drawn By: CEC  
Checked By: DGC  
Commission: 025-2125  
Date: 2025-09-11

ISSUE FOR BID / PERMIT SET- 2025-09-11

G001

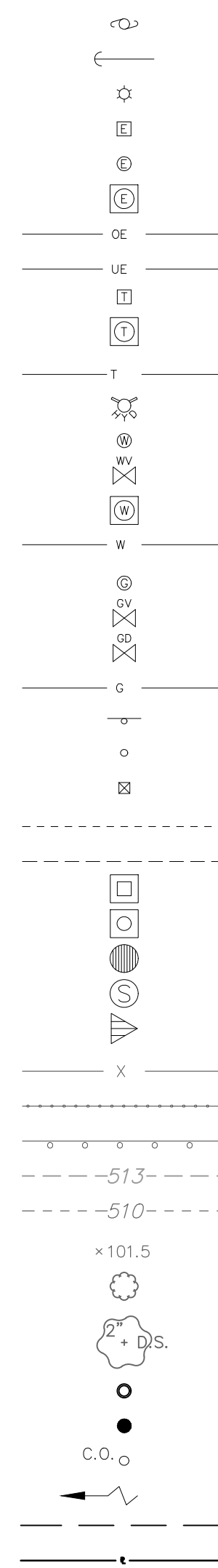
# CONSTRUCTION DOCUMENTS

## WRIGHT CITY FIRE HOUSE #3 9 HIGHWAY WW

A TRACT OF LAND BEING PART OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 48 NORTH, RANGE 1 WEST, AS RECORDED IN DEED BOOK 792 PAGE 35 LINCOLN COUNTY, MISSOURI.

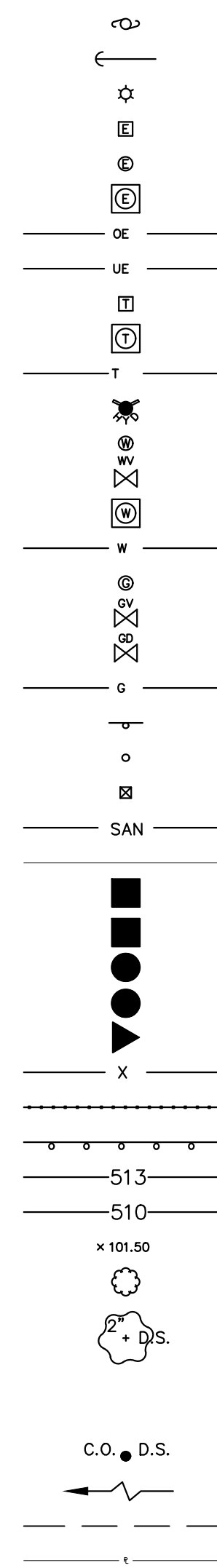
### LEGEND

#### EXISTING



- UTILITY POLE
- GUY WIRE
- LIGHT STANDARD
- ELECTRIC BOX
- ELECTRIC METER
- ELECTRIC MANHOLE
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- UNDERGROUND TELEPHONE LINE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WATER MANHOLE
- WATER LINE
- GAS METER
- GAS VALVE
- GAS DRIP
- GAS LINE
- STREET SIGN
- BOLLARD OR POST
- MAILBOX
- SANITARY SEWER
- STORM SEWER
- STORM DRAIN GRATE INLET
- STORM DRAIN AREA INLET
- STORM DRAIN MANHOLE
- SANITARY SEWER MANHOLE
- FLARED END SECTION
- FENCE: CHAIN LINK OR WIRE
- FENCE: WOOD CONSTRUCTION
- GUARDRAIL
- MINOR CONTOUR INTERVAL
- MAJOR CONTOUR INTERVAL
- SPOT ELEVATION
- BUSH OR SHRUB
- TREE W/APPROXIMATE DIAMETER SIZE
- FOUND SURVEY MONUMENT AS NOTED
- SET SURVEY MONUMENT AS NOTED
- CLEAN-OUT/DOWN-SPOUT
- SWALE
- UTILITY EASEMENT
- PROPERTY LINE

#### PROPOSED



### ABBREVIATIONS

- |                                       |   |
|---------------------------------------|---|
| ADS - ADVANCED DRAINAGE SYSTEMS, INC. | MT.S. - NOT TO SCALE                    |
| ATG - ADJUST TO GRADE                 | OC - ON CENTER                          |
| BM - BENCHMARK                        | PAVT. - PAVEMENT                        |
| CI - CURB INLET                       | P.C. - PORTLAND CEMENT                  |
| C.O. - CLEAN OUT                      | PCC - PRECAST CONCRETE                  |
| CMP - CORRUGATED METAL PIPE           | P.S.I. - POUNDS/SQUARE INCH             |
| CONC. - CONCRETE                      | PROP. - PROPOSED                        |
| C.Y. - CUBIC YARDS                    | P.U.M.I. - PRIVATE UNDER MSD INSPECTION |
| D.C.I. - DOUBLE CURB INLET            | R.C. - REINFORCED CONCRETE              |
| DIP - DUCTILE IRON PIPE               | R.R. - RAIL ROAD                        |
| DIA. - DIAMETER                       | RCP - REINFORCED CONCRETE PIPE          |
| DS - DOWNSPOUT                        | S.F. - SQUARE FOOT                      |
| ELEV. - ELEVATION                     | S.Y. - SQUARE YARD                      |
| EX - EXISTING                         | SAN. - SANITARY                         |
| FD - FLOOR DRAIN                      | SDH - SCHEDULE                          |
| FF - FINISH FLOOR                     | SWPPP - STORM WATER POLLUTION           |
| FL - FLOW LINE                        | TBA - TO BE ABANDONED                   |
| GI - GRATE INLET                      | TBR - TO BE REMOVED                     |
| GAL. - GALLON                         | TYP. - TYPICAL                          |
| H.G. - HYDRAULIC GRADE                | UP - USE IN PLACE                       |
| HYD - HYDRANT                         | VCP - VITRIFIED CLAY PIPE               |
| MAX - MAXIMUM                         | YD - YARD DRAIN                         |
| MH - MANHOLE                          | WW - WATER VALVE                        |
| MIN - MINIMUM                         |   |



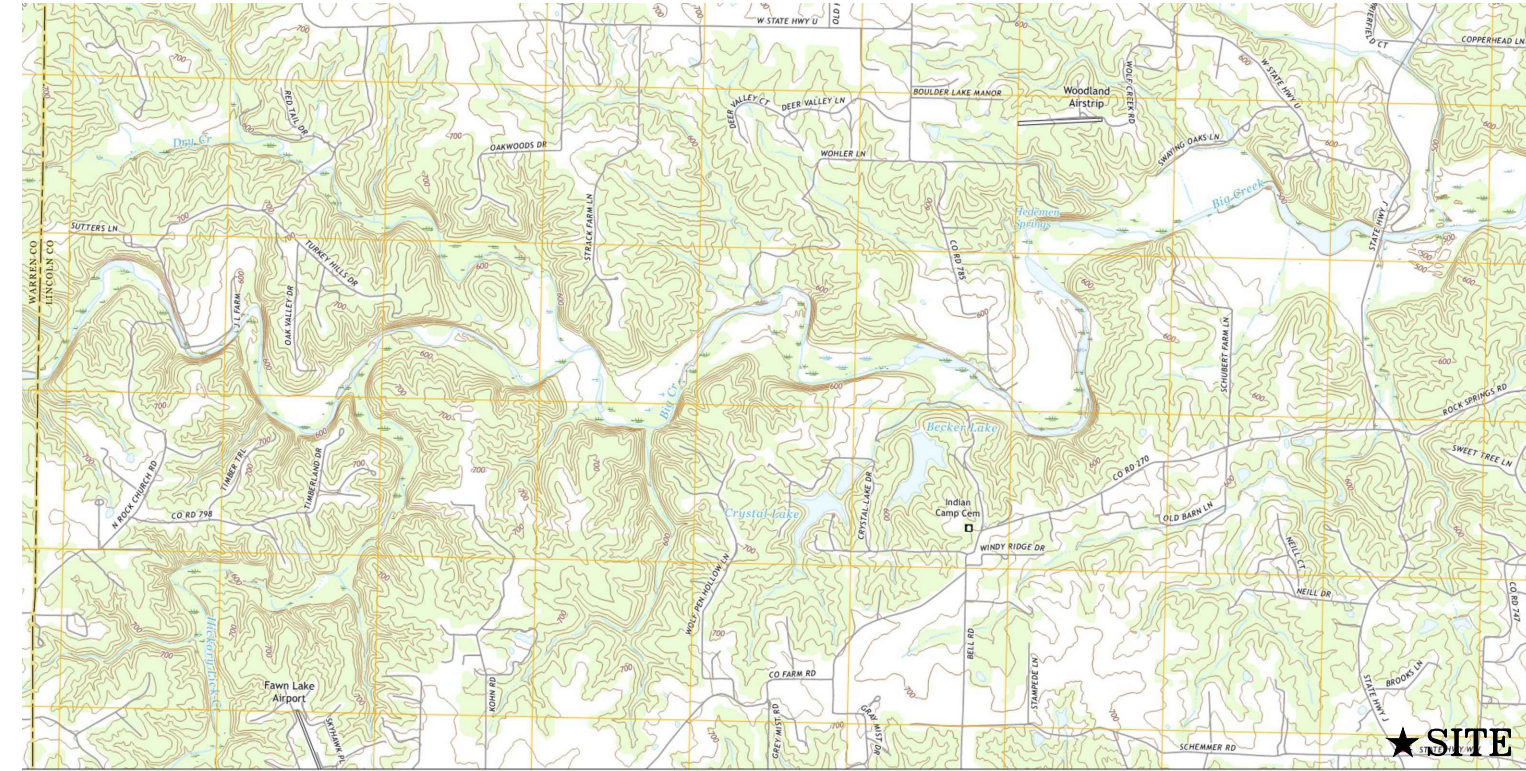
Underground facilities, structures & utilities have been plotted from available surveys, records & information, and therefore, do not necessarily reflect the actual existence, nonexistence, size, type, number of, or location of these facilities, structures, & utilities. The Contractor shall be responsible for verifying the actual location of all underground facilities, structures, & utilities, either shown or not shown on these plans. The underground facilities, structures, & utilities shall be located in the field prior to any grading, excavation or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMo.

#### PREPARED BY:

ENGENUITY  
1835 SWINGLEY RIDGE RD  
CHESTERFIELD, MO 63017  
PH: (314) 952-0395

#### DEVELOPER:

WRIGHT CITY FIRE PROTECTION DISTRICT  
300 WEST 2ND STREET NORTH  
WRIGHT CITY, MO 63090  
PH: (636) 745-2262



SITE USGS AND VICINITY MAP  
U.S.G.S. 7.5 TOPOGRAPHIC MAP, WARRENTON NE, MO, DATED 2021  
SCALE 1" = 4,000'



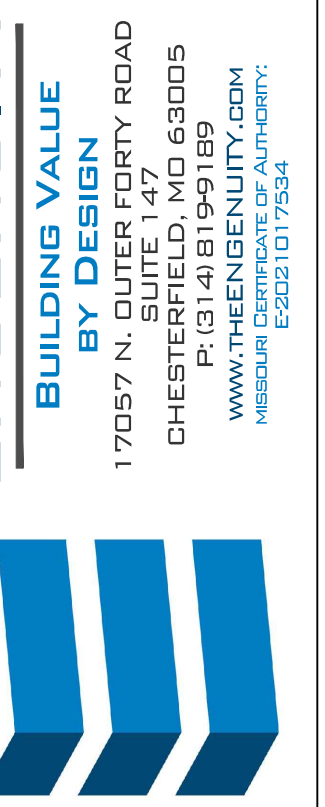
LOCATION MAP-AERIAL  
1"=1000'

SHEET INDEX	
Sheet Number	Sheet Title
C000	COVER SHEET
C100	DEMOLITION PLAN
C200	SITE PLAN
C201	JOINTING PLAN
C300	GRADING PLAN
C301	ENTRANCE SWERPPS
C302	SOIL REMEDIATION PLAN
C400	SWPPP
C401	SWPPP DETAILS
C500	UTILITY PLAN
C501	ONSITE WASTEWATER TREATMENT PLAN
C600	SEWER PROFILES
C700	EXISTING DRAINAGE AREA MAP
C701	PROPOSED DRAINAGE AREA MAP
C800	SITE DETAILS

#### PERTINENT INFORMATION

OWNER: WRIGHT CITY FIRE PROTECTION DISTRICT  
 SITE ADDRESS: 9 HIGHWAY WW  
 WRIGHT CITY, MISSOURI 63390  
 PARCEL ID: N/A  
 EXISTING ZONING: RURAL  
 SITE AREA: 1.0 ACRES ±  
 WATER DISTRICT: N/A  
 FIRE DISTRICT: WRIGHT CITY FIRE PROTECTION DISTRICT  
 SEWER DISTRICT: N/A  
 GAS SERVICE: N/A  
 ELECTRIC SERVICE: AMEREN MISSOURI ELECTRIC  
 BUILDING AREA: ±5,638 SQ. FT.  
 FLOOD MAP: 29110C0369D  
 SEPTEMBER 29, 2010  
 FLOOD ZONE X UNSHADED (AREAS DETERMINED TO BE OUTSIDE THE  
 0.2% ANNUAL CHANCE FLOODPLAIN)  
 ESTIMATE SANITARY SEWER FLOW 4 BEDROOMS x 120 GALLONS / BEDROOM / DAY = 480 GPD

DIFFERENTIAL CALCULATIONS								
	EXISTING				PROPOSED			
	SQUARE FEET	ACRES	PI FACTOR	Q (cfs)	SQUARE FEET	ACRES	PI FACTOR	Q (cfs)
Roof =	0	0.00	4.20	0.00	7,666	0.18	4.20	0.74
Roof (disconnected) =	2,614	0.06	3.54	0.21	0	0.00	3.54	0.00
Pavement =	14,810	0.34	3.54	1.20	13,799	0.32	3.54	1.12
Pervious Pavement		0.00	1.70	0.00		0.00	1.70	0.00
Grass =	26,043	0.60	1.70	1.02	22,002	0.51	1.70	0.86
<b>Total =</b>	<b>43,467</b>	<b>1.00</b>		<b>2.44</b>	<b>Total Q (cfs) =</b>	<b>1.00</b>		<b>2.72</b>



WCFPD Station 3  
 Wright City Fire Protection District  
 9 Highway WW  
 Wright City, MO 63390



THE PROFESSIONAL ENGINEER SEAL APPEARS ON THIS DRAWING UNDER THE AUTHORITY OF THE ENGINEER'S LICENSE. THE SEAL IS VALID ONLY IF THE ENGINEER'S LICENSE IS CURRENT AND THE ENGINEER'S SIGNATURE IS ON THE DRAWING. THE SEAL IS NOT VALID IF THE ENGINEER'S LICENSE IS EXPIRED OR REVOKED. THE SEAL IS NOT VALID IF THE ENGINEER'S SIGNATURE IS NOT ON THE DRAWING. THE SEAL IS NOT VALID IF THE ENGINEER'S SIGNATURE IS NOT ON THE DRAWING.

#### Revisions:

No.	Date	Description
2	9/30/25	ADDENDUM #2

#### Sheet Info:

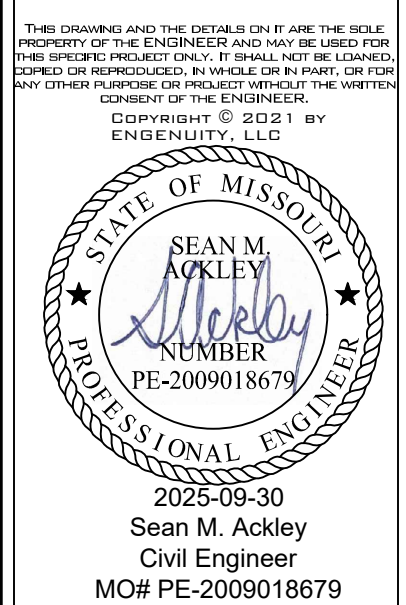
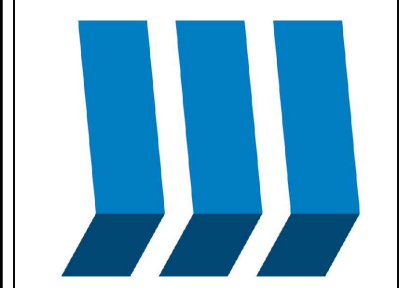
COVER SHEET

Drawn By: WTS  
 Checked By: SMA  
 Project#: 25-0170  
 Date: 2025-09-30

C000







**Revisions:**

No.	Date	Description
1	9/12/25	ISSUED FOR PERMIT
2	9/30/25	ADDENDUM #2

**Sheet Info:**

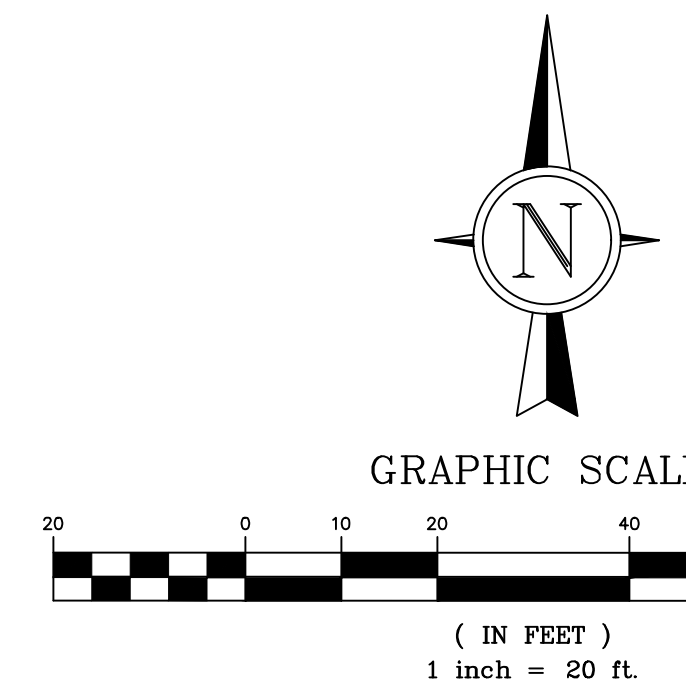
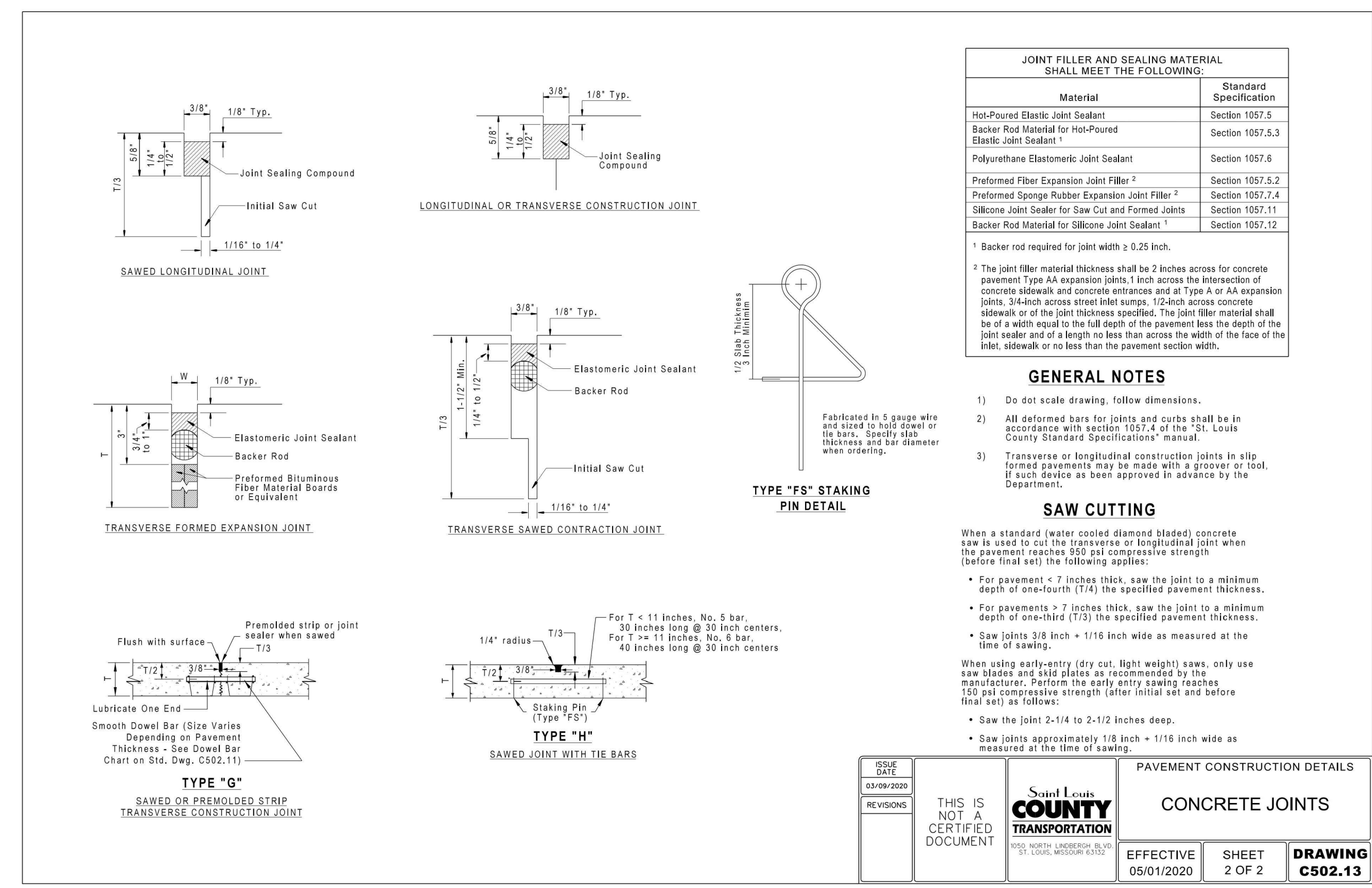
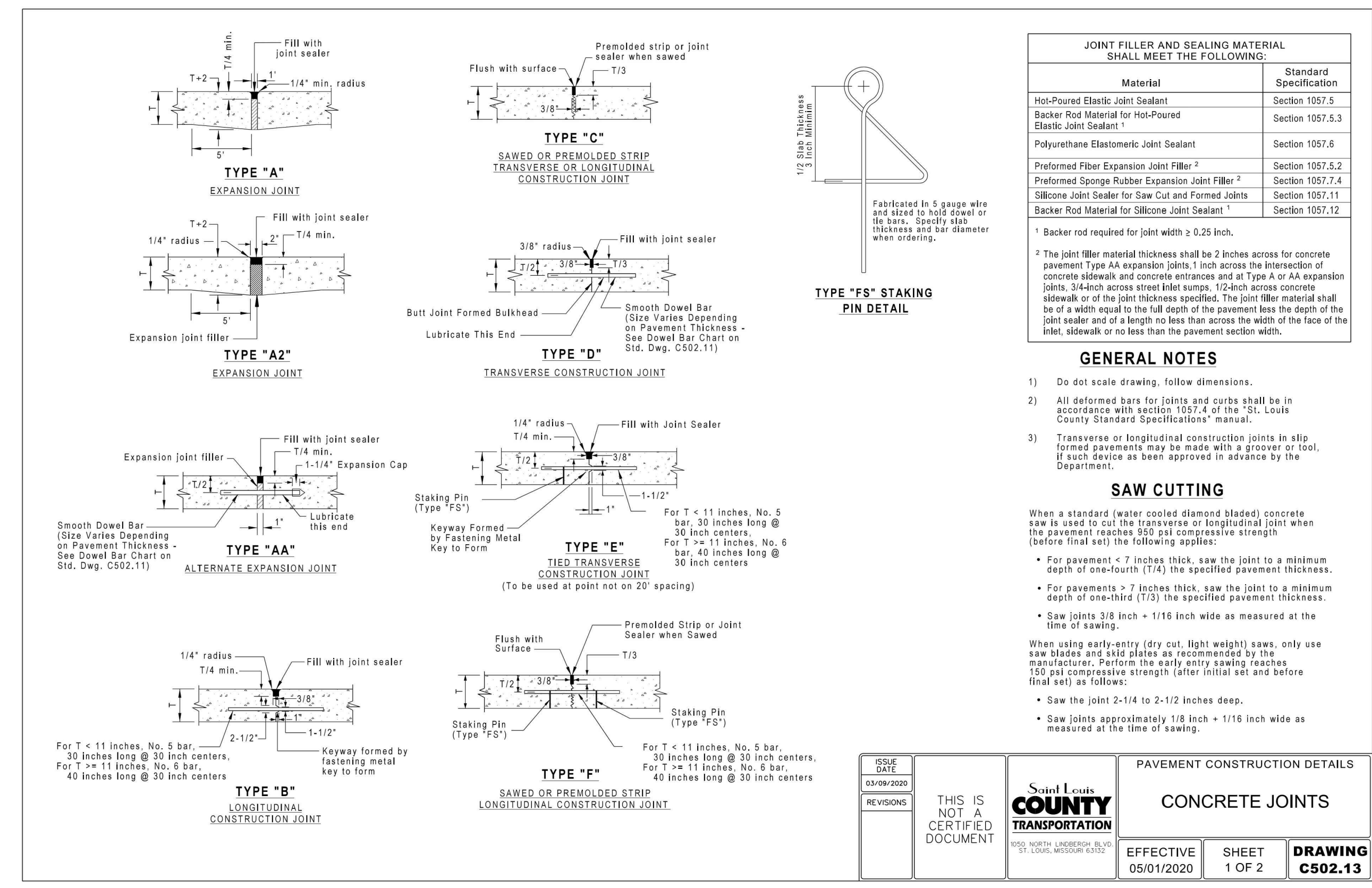
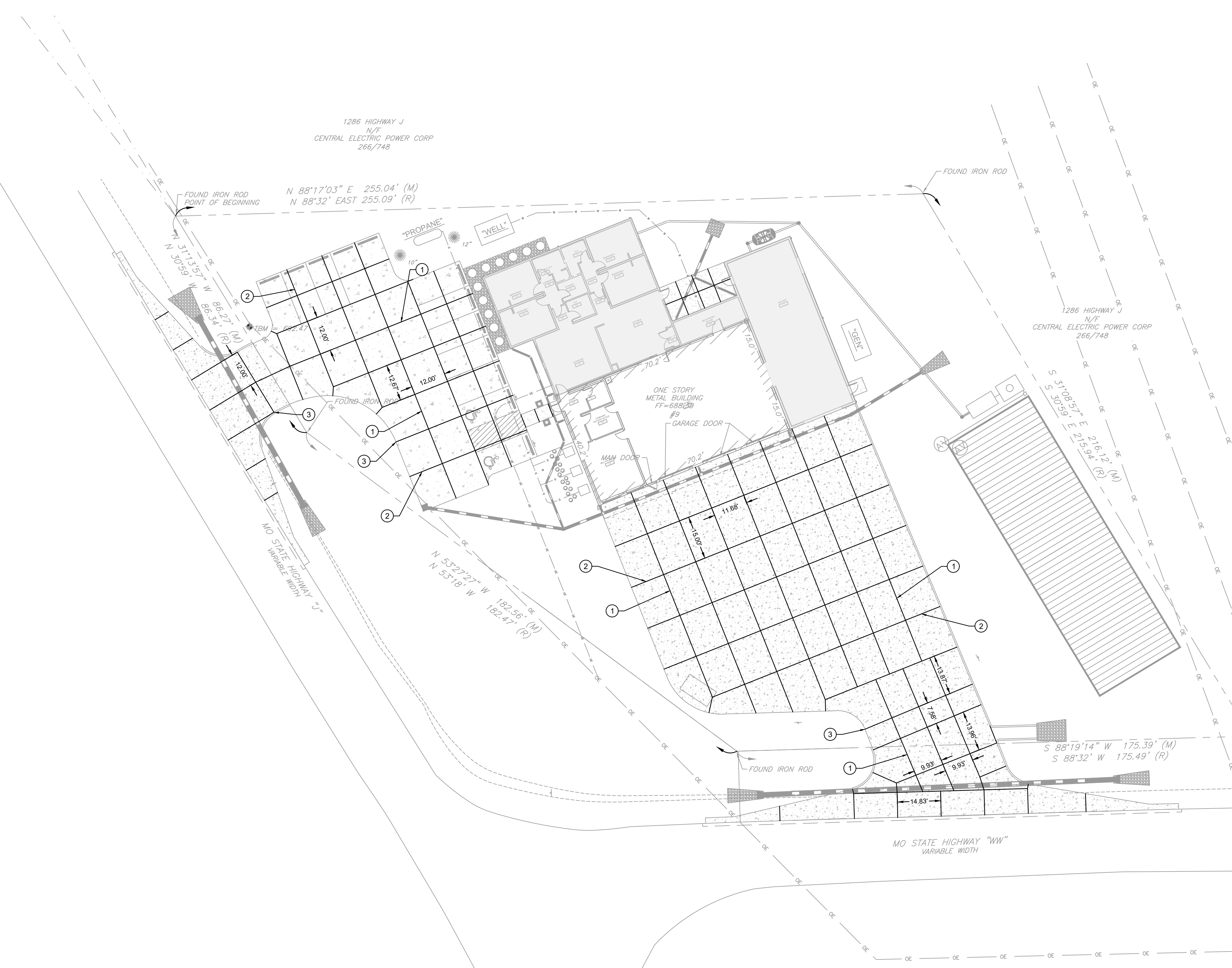
**JOINTING PLAN**

Drawn By: WTS  
 Checked By: SMA  
 Project#: 25-0170  
 Date: 2025-09-30

**C201**

- KEYED NOTES**
- ALTERNATE: LONGITUDINAL CONSTRUCTION JOINT, "TYPE C" (TYP.)
  - ALTERNATE: TRANSVERSE CONSTRUCTION JOINT, "TYPE C" (TYP.)
  - ALTERNATE: EXPANSION JOINT, "TYPE A" (TYP.)

- NOTE:**
- ALL SIDEWALK JOINTS ARE TO BE TOOLED AND NOT SAW CUT.
- BASE BID:**
- ALL SIDEWALK/PATIO TO BUILDING EXPANSION JOINTS ARE TO RECEIVE POP TOP EXPANSION JOINTS CAULKED TO BUILDING.
  - ALL PAVEMENT TO BUILDING EXPANSION JOINTS ARE TO RECEIVE POP TOP EXPANSION JOINTS AND CAULKED TO BUILDING



**GENERAL NOTES**

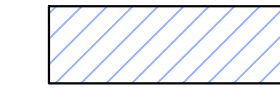
- THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.
- THE EXISTING SITE CONDITIONS AND TOPOGRAPHY SHOWN ARE FROM A SITE SURVEY AS PREPARED BY CEC, INC, DATED JULY 2025.
- IF CONTRACTOR DETERMINES THAT ACTUAL EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THESE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER AND OWNER BEFORE COMMENCING AND DEMOLITION OR CONSTRUCTION WORK.



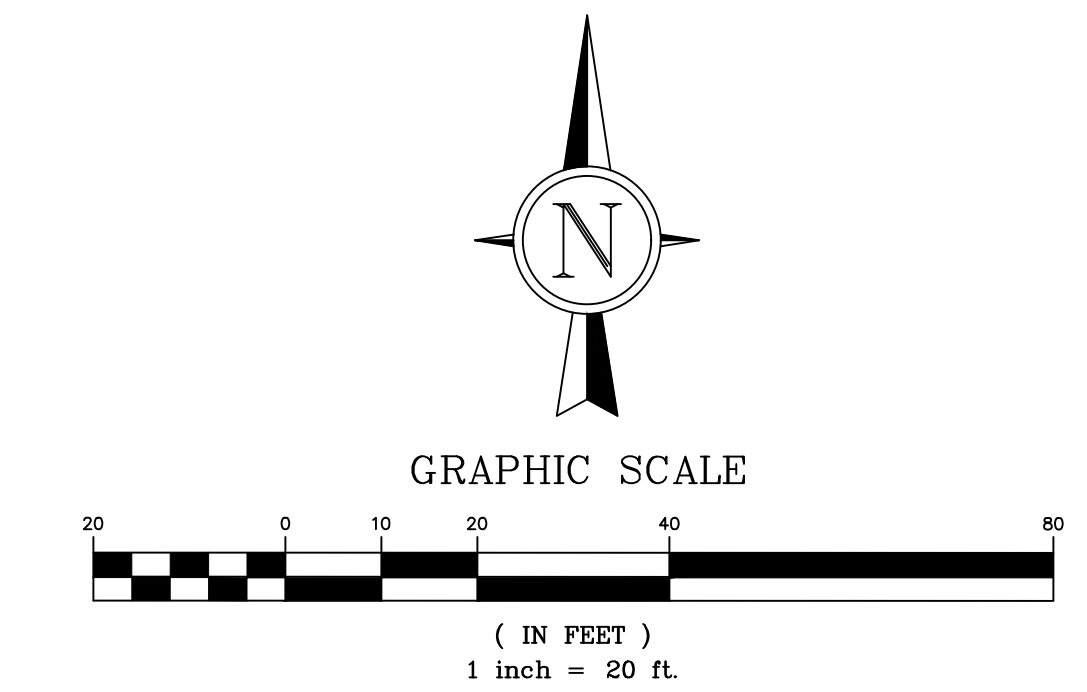
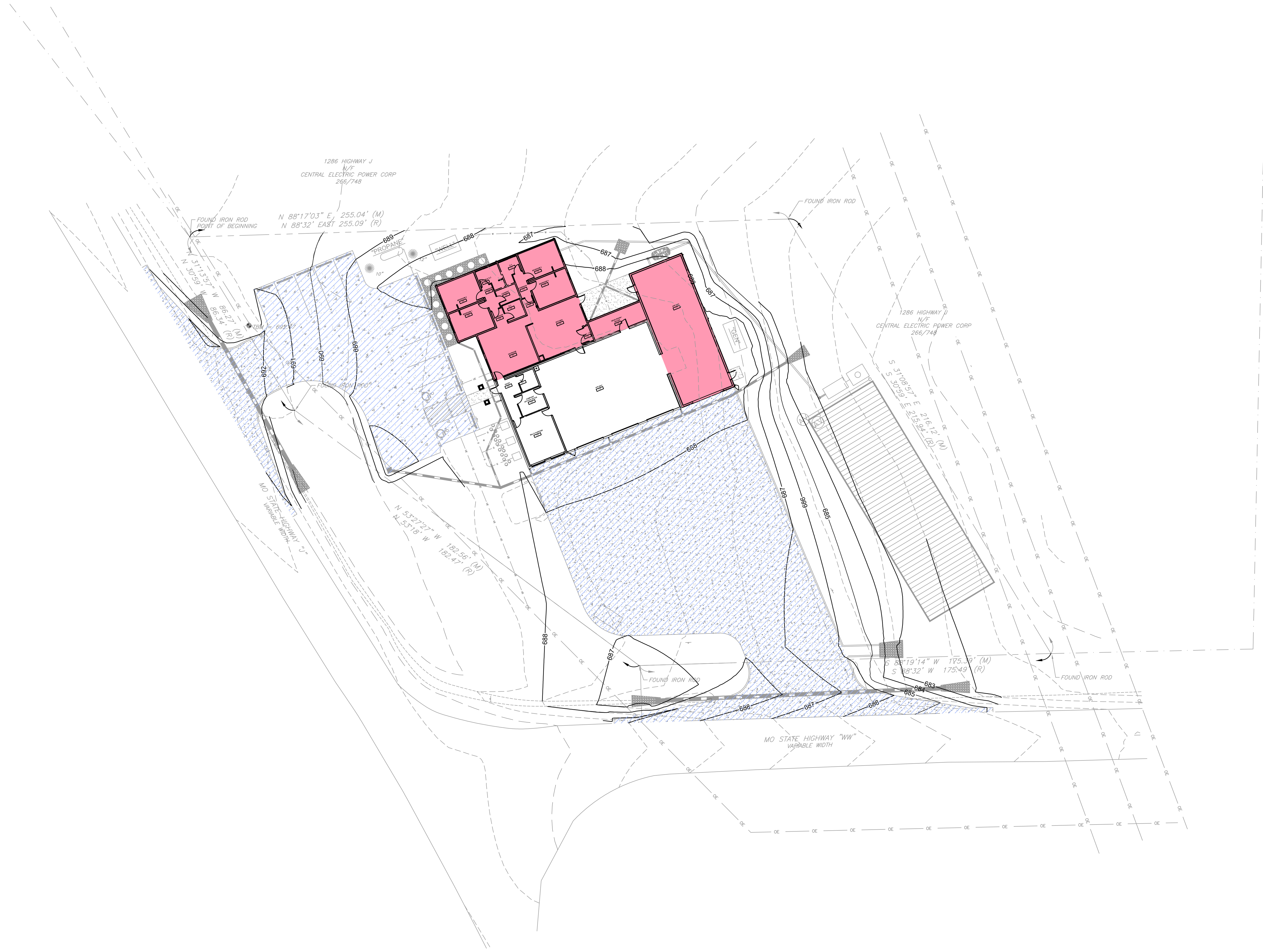
**SOIL REMEDIATION LEGEND**



ALTERNATE: REMEDIATE SOIL 3' BELOW FINISH FLOOR, 2' BELOW BEARING OF FOUNDATION, AND 5' BEYOND THE FOOTPRINT OF THE FOUNDATION. ALL REMEDIATION MATERIALS TO BE 1" MINUS ROCK.



ALTERNATE : REMEDIATE SOIL 12" BELOW ALL PAVEMENT LOCATIONS WITH 1" MINUS ROCK



**GENERAL NOTES**

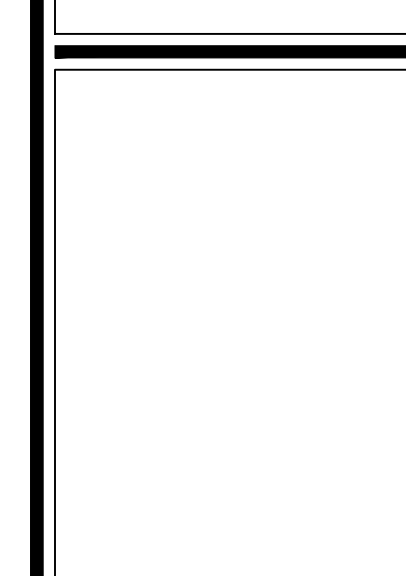
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**Revisions:**

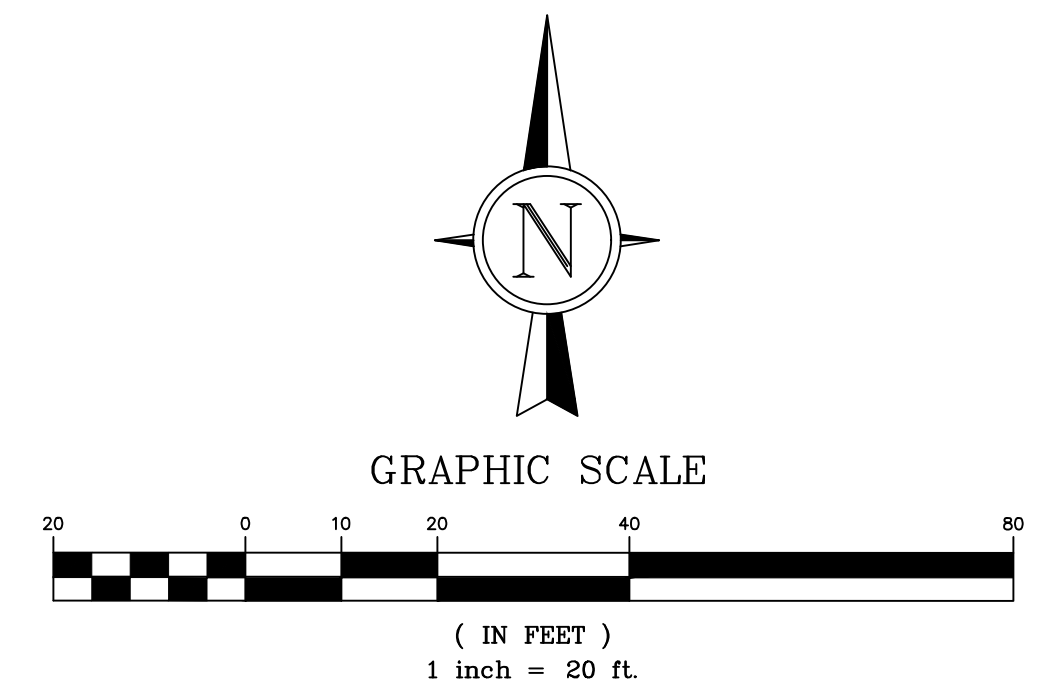
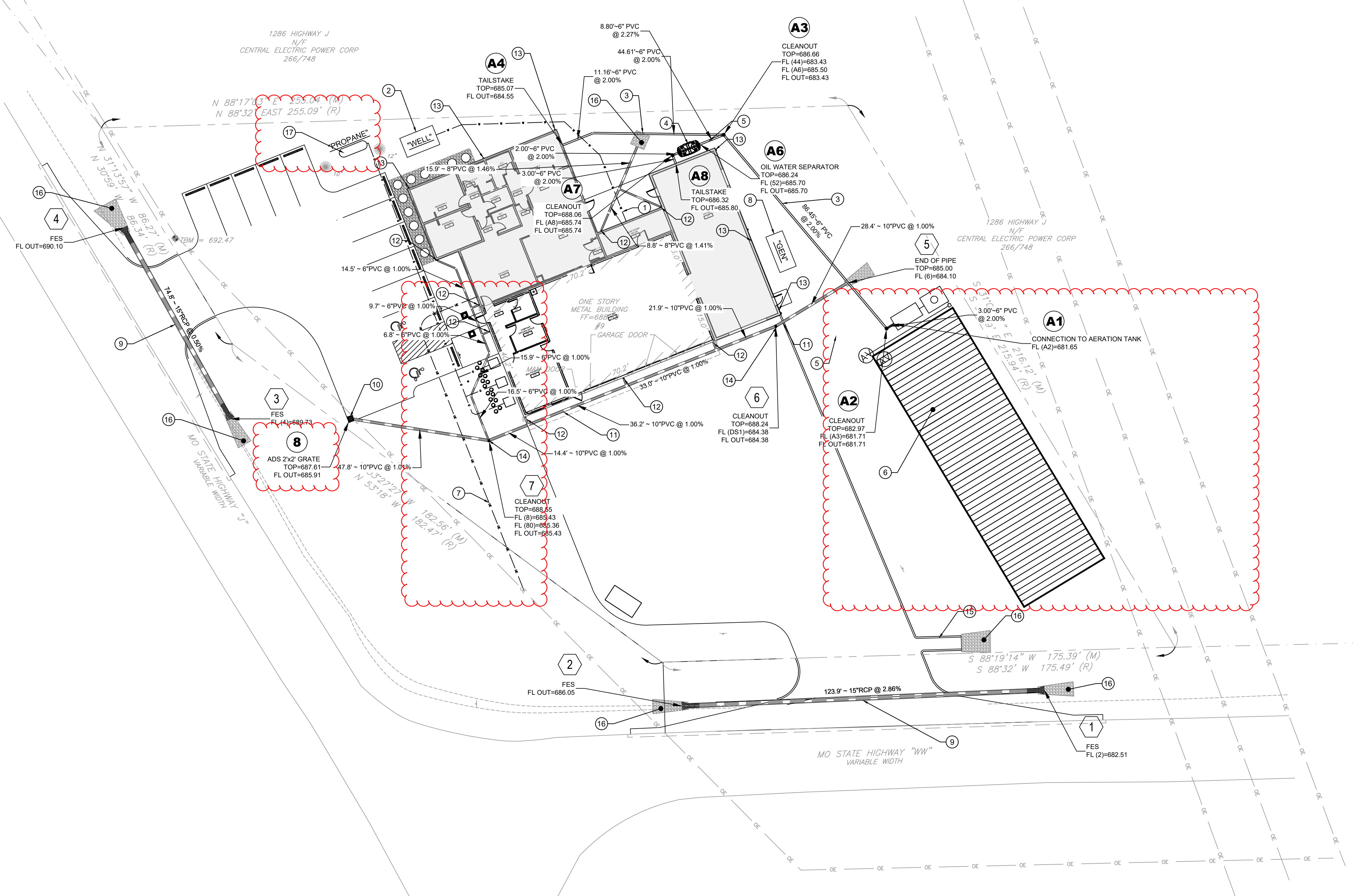
No.	Date	Description
1	9/12/25	ISSUED FOR PERMIT
2	9/30/25	ADDENDUM #2

**Sheet Info:**

SOIL REMEDIATION PLAN	
Drawn By:	WTS
Checked By:	SMA
Project#:	25-0170
Date:	2025-09-30



- KEYED NOTES**
- 1 2" WATER SERVICE LINE (COORDINATE W/ PLUMBING DWGS)
  - 2 WELL WATER SYSTEM (DESIGN BY OTHERS)
  - 3 SANITARY LATERAL, 2% SLOPE MIN. (COORDINATE W/ PLUMBING DWGS)
  - 4 OIL WATER SEPARATOR (COORDINATE W/ PLUMBING DWGS)
  - 5 SANITARY CLEANOUT
  - 6 SEPTIC FIELD (DESIGN BY OTHERS)
  - 7 ELECTRIC SERVICE PER AMEREN SPECIFICATIONS (COORDINATE W/ ELECTRICAL DWGS)
  - 8 GENERATOR (COORDINATE W/ ELECTRICAL DWGS)
  - 9 15" CULVERT
  - 10 ADS GRATE INLET (DETAIL #8, SHEET C800)
  - 11 STORM SEWER
  - 12 DOWNSPOUT CONNECTION TO STORM SEWER
  - 13 DOWNSPOUT DISCHARGE AT GRADE
  - 14 STORM CLEANOUT
  - 15 CONCRETE FLUME (DETAIL #7, SHEET C800)
  - 16 LIGHT STONE REVEMENT (DETAIL #8, SHEET C800)
  - 17 PROPANE TANK (COORD. W/ MECHANICAL DWGS.)



**GENERAL NOTES**

- A. THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.
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**WCFPD Station 3**  
**Wright City Fire Protection District**  
 9 Highway WW  
 Wright City, MO 63390

THE ENGINEER AND THE OWNER ACCEPT THE RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE ENGINEER AND THE ENGINEER'S RELIANCE THEREON. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN OF THE PROJECT AND DOES NOT EXTEND TO THE CONSTRUCTION OF THE PROJECT OR TO THE PERFORMANCE OF THE PROJECT. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN OF THE PROJECT AND DOES NOT EXTEND TO THE CONSTRUCTION OF THE PROJECT OR TO THE PERFORMANCE OF THE PROJECT.

SEAN M. ACKLEY  
 PROFESSIONAL ENGINEER  
 NUMBER FE-2009018679  
 2025-09-30  
 Sean M. Ackley  
 Civil Engineer  
 MO# FE-2009018679

**Revisions:**

No.	Date	Description
1	9/12/25	REVISION
2	9/30/25	ADDENDUM #2

**Sheet Info:**

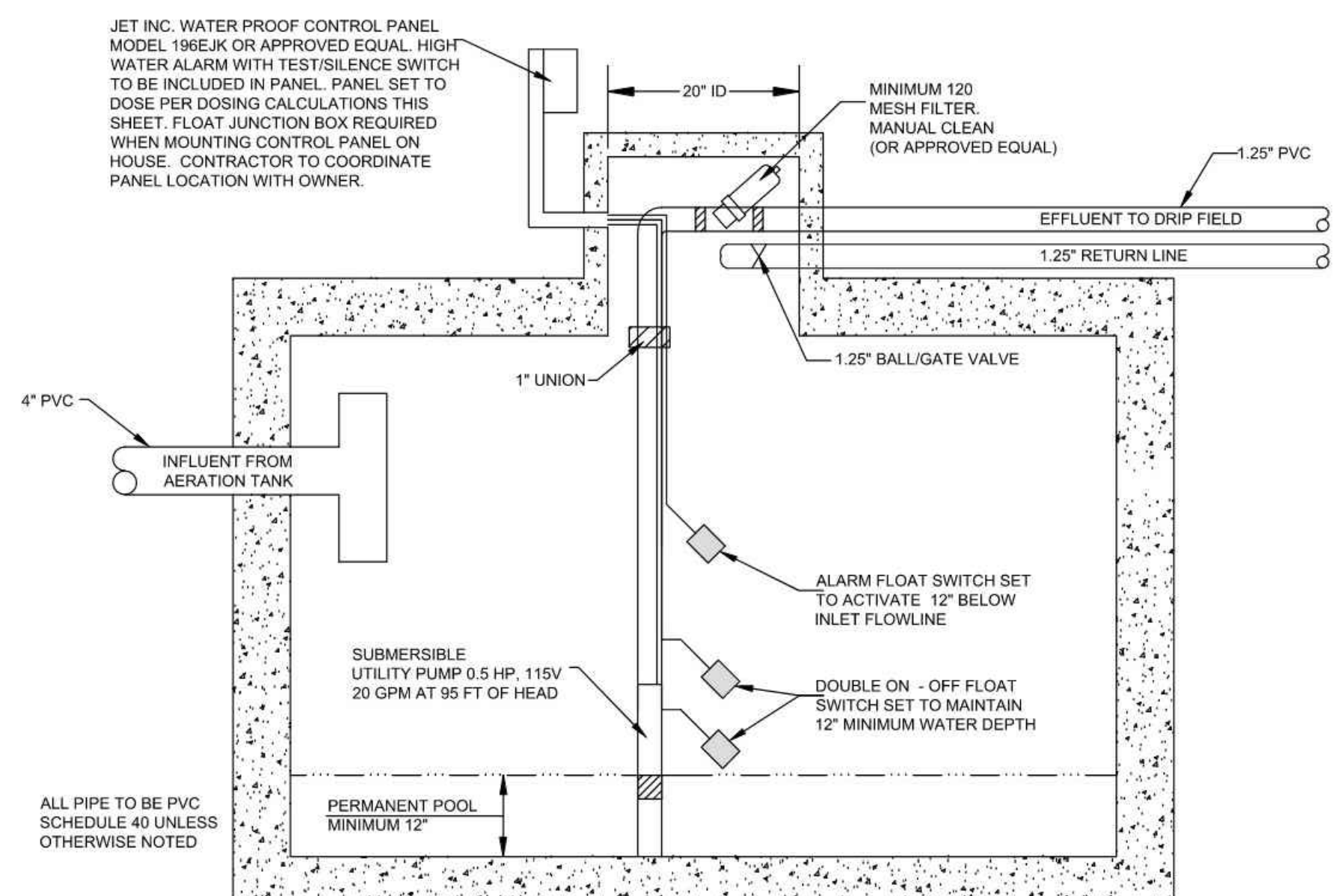
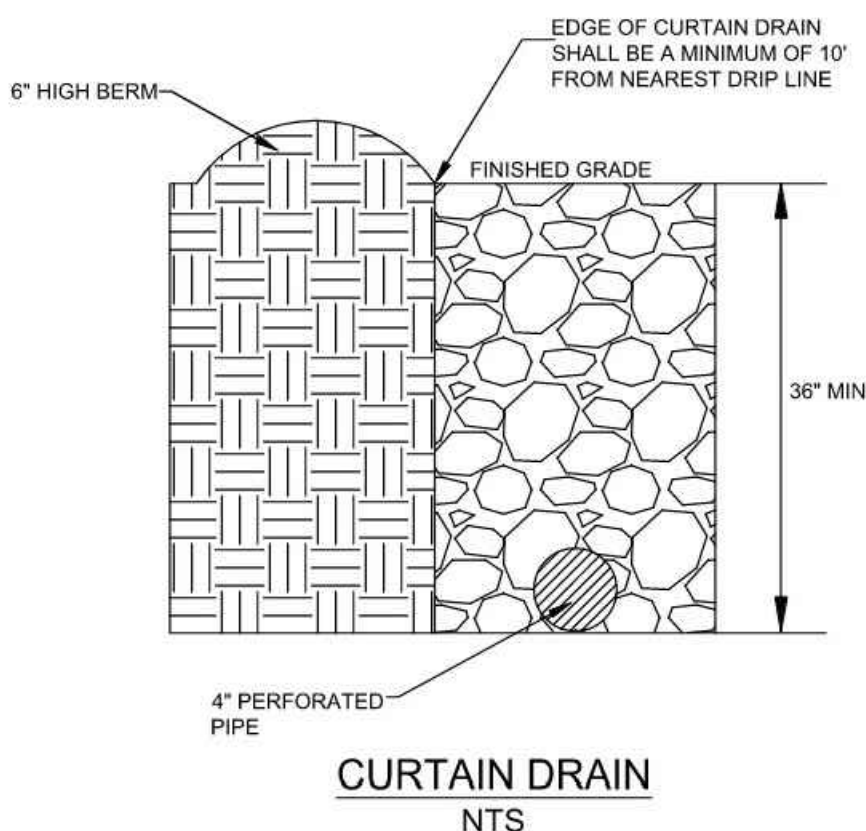
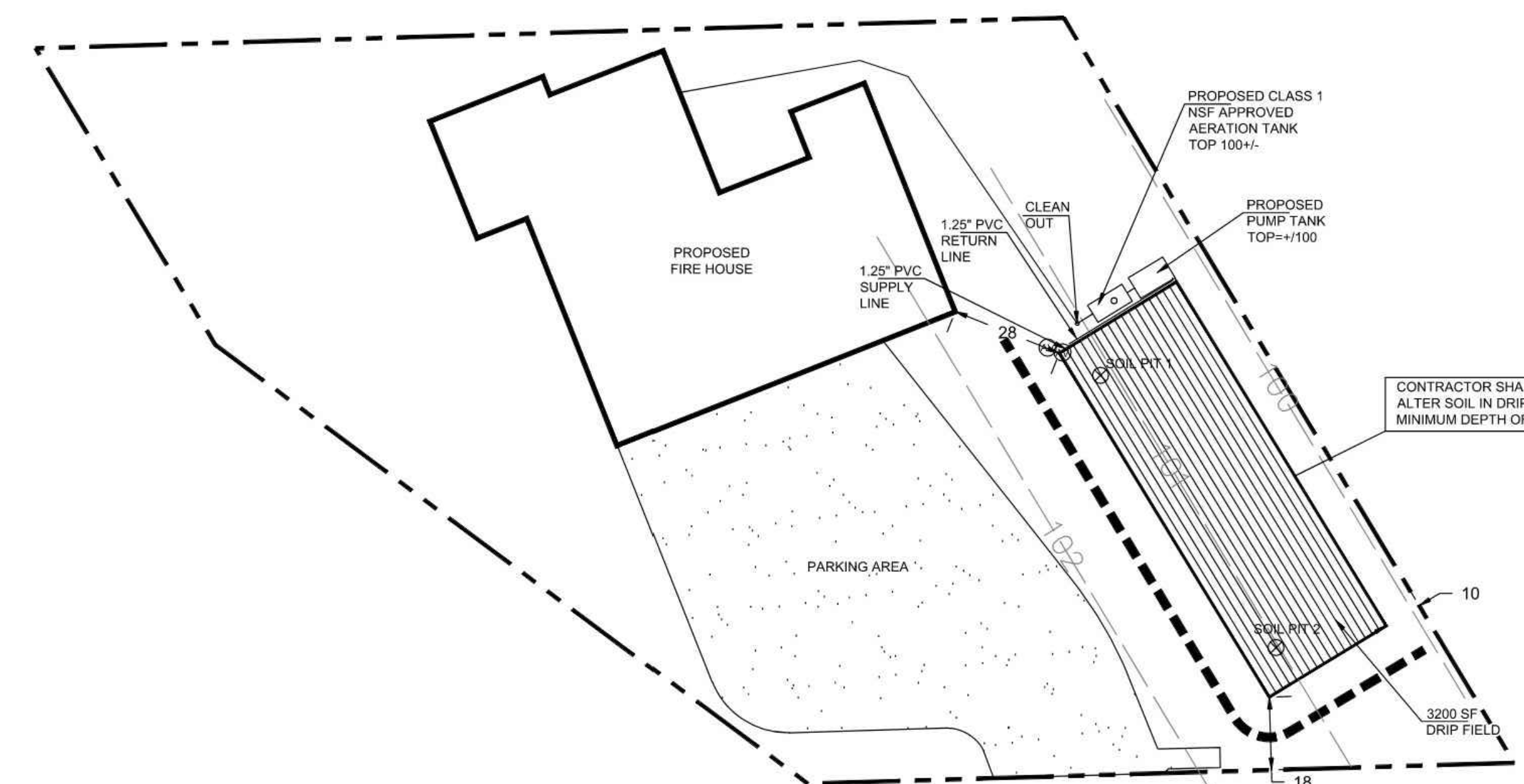
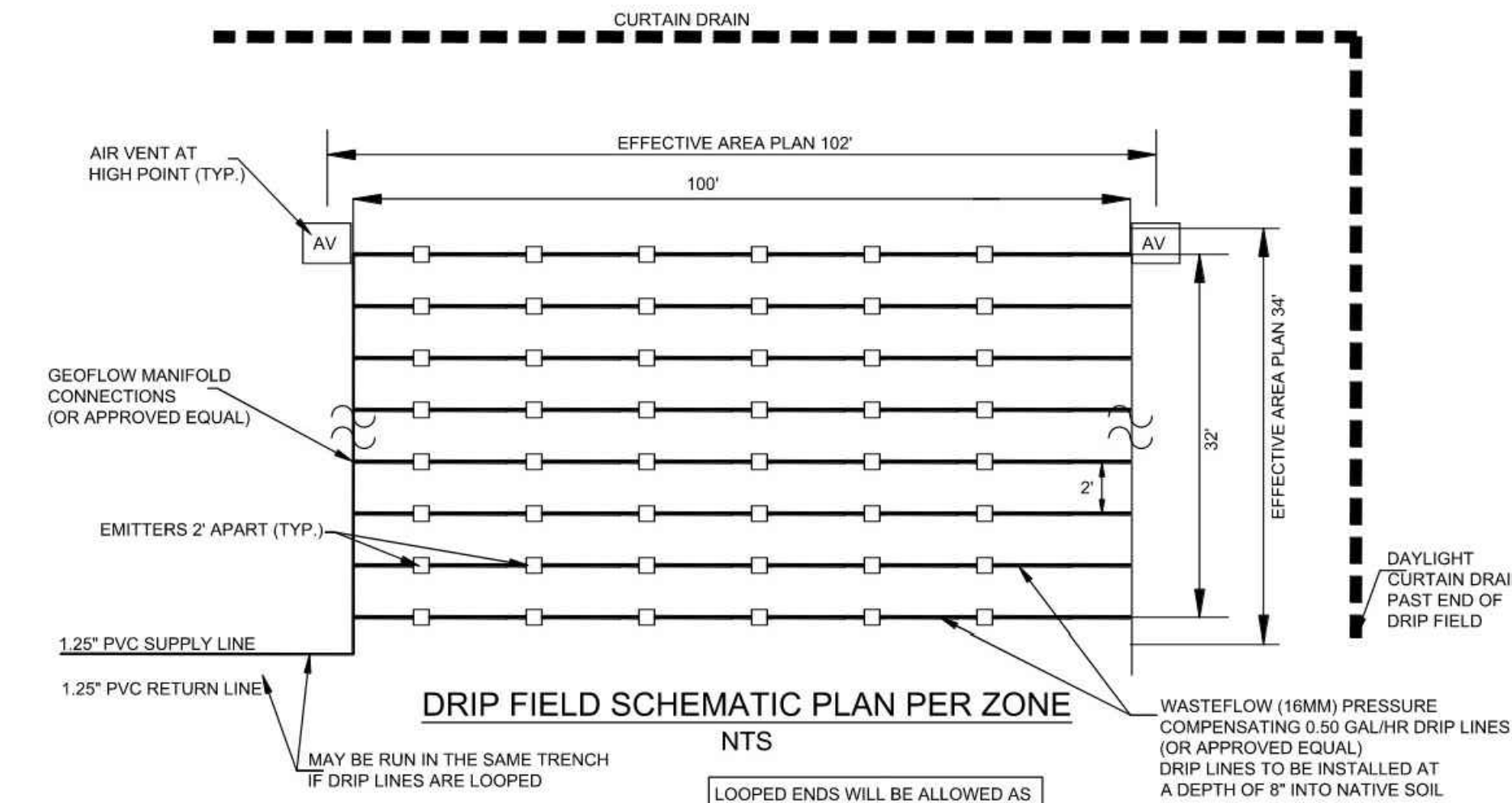
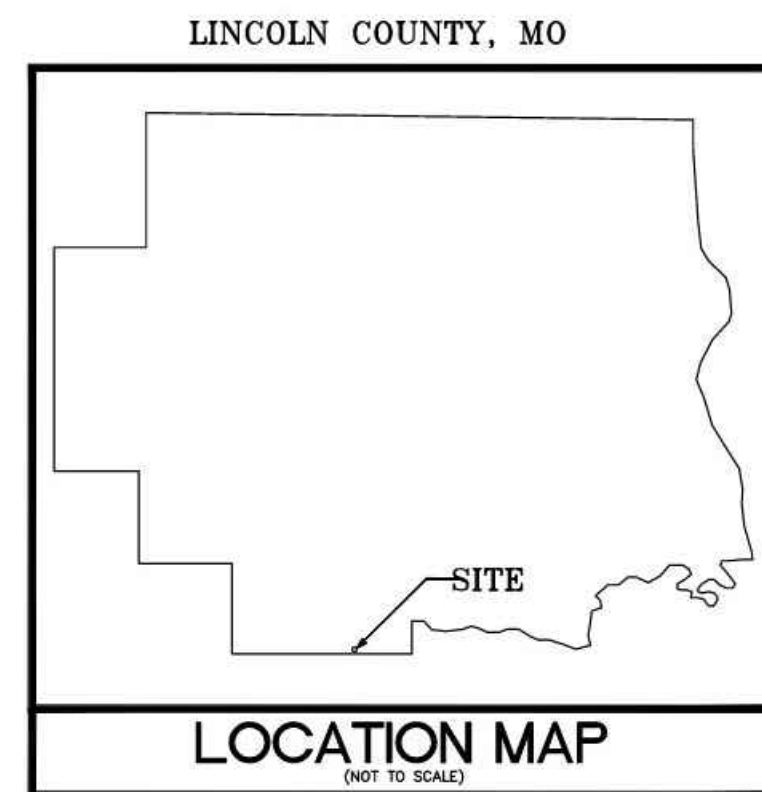
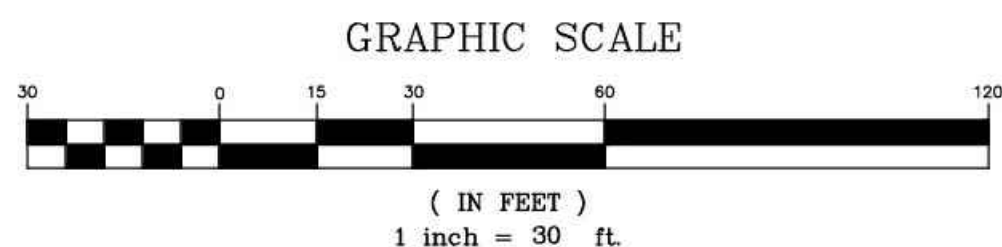
**UTILITY PLAN**

Drawn By: WTS  
 Checked By: SMA  
 Project#: 25-0170  
 Date: 2025-09-30

**C500**

**LEGEND**

- PROPERTY LINE
- CONTOUR
- CURTAIN DRAIN



- NOTES**
- ONE CLEANOUT MINIMUM REQUIRED BETWEEN HOUSE AND AERATION TANK. ALSO EVERY 100 FEET AND EVERY CHANGE IN DIRECTION IF MORE THAN 45 DEGREES.
  - DRIP LINES SHALL FOLLOW CONTOURS OF PROPERTY
  - AIR VENTS SHALL BE INSTALLED AT HIGH POINTS OF DRIP SYSTEM AT BOTH ENDS.
  - WATER SOFTNER BACKWASH AND SWIMMING POOL FILTER SYSTEMS SHALL NOT ENTER THE ONSITE WASTE WATER TREATMENT PLANT AND SHALL BE DISCHARGED PROPERLY
  - PIPE ENTERING AND EXITING THE AERATION TANK SHALL BE SCHEDULE 40 PVC AND SHALL EXTEND A MINIMUM OF 5 FEET BEYOND THE EXCAVATION FOR THE SEWAGE AERATION TANK
  - DRAINFIELD SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ALL PROPERTY LINES AND A MINIMUM OF 25 FEET FROM BASEMENT
  - SPECIAL CARE SHALL BE TAKEN TO PREVENT STORM WATER FROM FLOWING OVER DRIP FIELD
  - DRIP FIELD LOCATION TO BE SEEDED AND STRAWED IMMEDIATELY AFTER INSTALLATION

GANEY ENGINEERING LLC AND THE UNDERSIGNED ENGINEER HAVE NO RESPONSIBILITY FOR SERVICES PROVIDED BY OTHERS TO IMPLEMENT THE IMPROVEMENTS SHOWN ON THIS PLAN AND ALL OTHER DRAWINGS WHERE THE UNDERSIGNED ENGINEER'S SEAL APPEARS. THE CONSTRUCTION MEANS AND METHODS ARE THE SOLE RESPONSIBILITY OF THE OWNER AND CONTRACTOR. GANEY ENGINEERING LLC HAS NO RESPONSIBILITY TO VERIFY FINAL IMPROVEMENTS AS SHOWN ON THIS PLAN UNLESS SPECIFICALLY ENGAGED AND AUTHORIZED TO DO SO BY THE OWNER OR CONTRACTOR.



**UTILITY NOTE:**  
UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMO.

**GENERAL NOTES**

- CONSTRUCTION OF THE ONSITE SEWAGE DISPOSAL SYSTEM SHALL COMPLY WITH THE MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES AND THE SOILS REPORT BY ONSITE SOILS DATED 09/19/2025.
- SIZE, LOCATION, AND TYPE OF DISPOSAL SYSTEM SHALL NOT BE MODIFIED WITHOUT AUTHORIZATION FROM THE ENGINEER AND LINCOLN COUNTY.
- CONTOURS AND ELEVATIONS WERE SET BASED ON A TEMPORARY BENCH MARK (TBM) ELEVATION OF 100.
- PLANS FOR THE ONSITE DISPOSAL SYSTEM WERE PREPARED TO MEET MINIMUM STANDARDS PER STATE AND COUNTY REQUIREMENTS. GANEY ENGINEERING LLC DOES NOT REPRESENT NOR WARRANT PROPER OPERATION OR FUNCTION OF INSTALLED SYSTEM FOR ANY PERIOD OF TIME.
- ALL STORM WATER RUNOFF FROM THE DWELLING AND SURFACE RUNOFF SHALL BE DIVERTED AROUND AND NOT BE ALLOWED TO ENTER THE SYSTEM.
- REQUIRED OPERATING PERMIT AND STORM WATER MANAGEMENT ARE NOT INCLUDED AS PART OF THESE PLANS.

**ONSITE WASTEWATER TREATMENT OPERATION AND MAINTENANCE**

PROPER OPERATION AND MAINTENANCE IS REQUIRED FOR THE ONSITE WASTEWATER TREATMENT SYSTEM TO FUNCTION PROPERLY. GANEY ENGINEERING LLC RECOMMENDS A MAINTENANCE AGREEMENT WITH A QUALIFIED PROVIDER. OWNER IS EXPECTED TO FOLLOW GUIDELINE LOCATED WITHIN THE AERATION TANK SERVICE MANUAL.

**SOIL EVALUATION**

ONSITE SOILS, COPY ATTACHED  
EVELYN MAW  
SEPTEMBER 19, 2025

**ONSITE WASTEWATER TREATMENT DESIGN**

APPLICATION RATE OF 0.15 GAL/SF/DAY FOR AN ALTERNATIVE SYSTEM  
PROPOSED 4 BEDROOMS = 120 GAL/DAY X 4 = 480 GAL/DAY  
(480 GAL/DAY) / (0.15 GAL/SF/DAY) = 3200 SF OF DRIP FIELD REQUIRED  
3200 SF OF DRIP FIELD PROPOSED  
SEE TABLES BELOW FOR CALCULATIONS FOR PROPOSED DRIP FIELD  
PROPOSED NSF #40, CLASS #1, JET 700LL, 500 GAL/DAY TREATMENT PLANT (OR APPROVED EQUAL)

**Ganey Engineering LLC Drip Flow Calculations**

Job Description:	9 Highway WW
Contact:	Contractor
Prepared by:	Paul Ganey
Date:	26-Sep-25

Please fill in the shaded areas and drop down menus:  
This spreadsheet serves as a guide, and is not a complete hydraulic design.

**Worksheet 1- Field Flow**

Total field	
Total Quantity of effluent to be disposed per day	480 gallons / day
Hydraulic loading rate	0.15 gallons / sq. ft. / day
Minimum Dispersal Field Area	3,200 square ft.
Total Dispersal Field Area	3,200 square ft.

Flow per zone	
Number of Zones	1 zone(s)
Dispersal area per zone	3,200 square ft.
Choose line spacing between WASTEFLOW lines	2 ft.
Choose emitter spacing between WASTEFLOW emitters	2 ft.
Total linear ft per zone (minimum required)	1,600 ft. per zone
Total number of emitters per zone	800 emitters per zone
Select Wasteflow dripline (16mm)	Wasteflow PC-1/2gph dripline
Pressure at the beginning of the dripline	25 psi
Feet of Head at the beginning of the dripline	57.75 ft.
What is the flow rate per emitter in gph?	0.53 gph
Dose flow per zone	7.07 gpm

If required, choose flush velocity	0.5 ft/sec
How many lines of WASTEFLOW per zone?	16 lines
Fill in the actual length of longest dripline lateral	100 ft.
Equivalent length including flush requirement	183.7839387
Flush flow required at the end of each dripline	0.37 gpm
Total Flow per zone- worst case scenario	12.99 gpm

**Select Filters and zone valves**

Select Filter Type	Vortex Screen Filter
Recommended Filter (item no.)	AP4E-1F 1" Screen Filter 0-20gpm
Select Zone Valve Type	Hydraulic
Recommended Zone Valve (item no.)	0

Note: minimum pressure of 25 psi required for Hydraulic valves. Check pressure in Cell D28 above.

**Dosing**

Number of doses per day / zone	12 doses
Timer ON - Pump run time per dose/zone	5.40 min:secs
Timer OFF - Pump off time between doses	1.54 hrs:min
Per Zone - Pump run time per day/zone	1.07 hrs:min
All Zones - Number of doses per day / all zones	12 doses / day
Allow time for field to pressurize	0.0030 hrs:min:secs
Filter flush timer	0.0020 hrs:min:secs
Drain timer	0.0500 hrs:min:secs
Field flush timer	0.0100 hrs:min:secs
Field flush counter	3 cycles
Time required to complete all functions per day	2.29 hrs:min
Dose volume per zone	40 gallons per dose

PREPARED FOR:  
CONTRACTOR  
ENGENUITY

PAUL R. GANEY  
MO# PE-2010019544

3405 OLD STATE ROAD M  
IMPERIAL, MO 63052  
PH. (314) 973-0377  
e-mail: ganeyengineering@yahoo.com

**GANEY ENGINEERING LLC**

**9 HIGHWAY WW  
WRIGHT CITY, MO 63390**

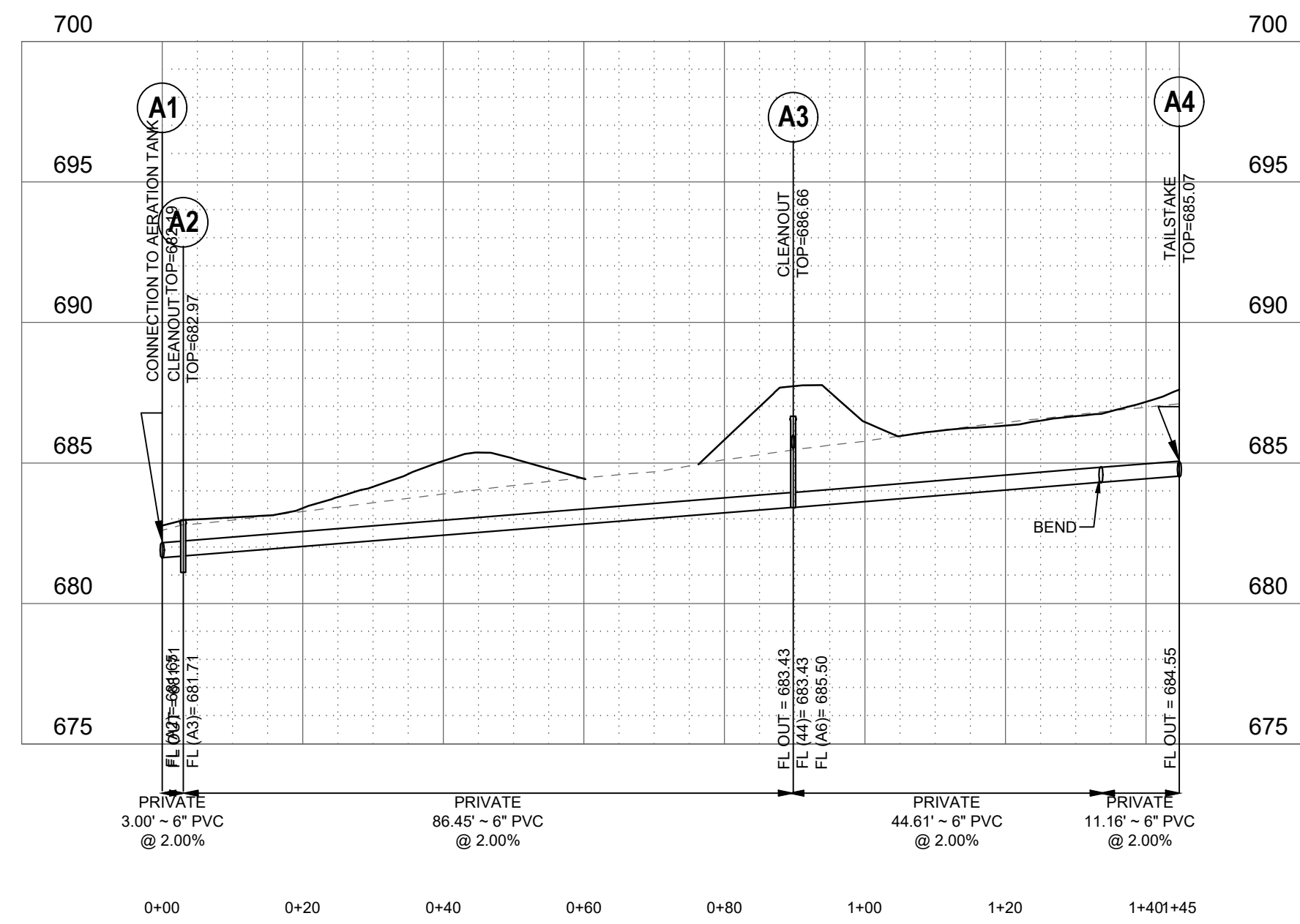
ONSITE  
WASTEWATER  
TREATMENT PLAN

**C501**

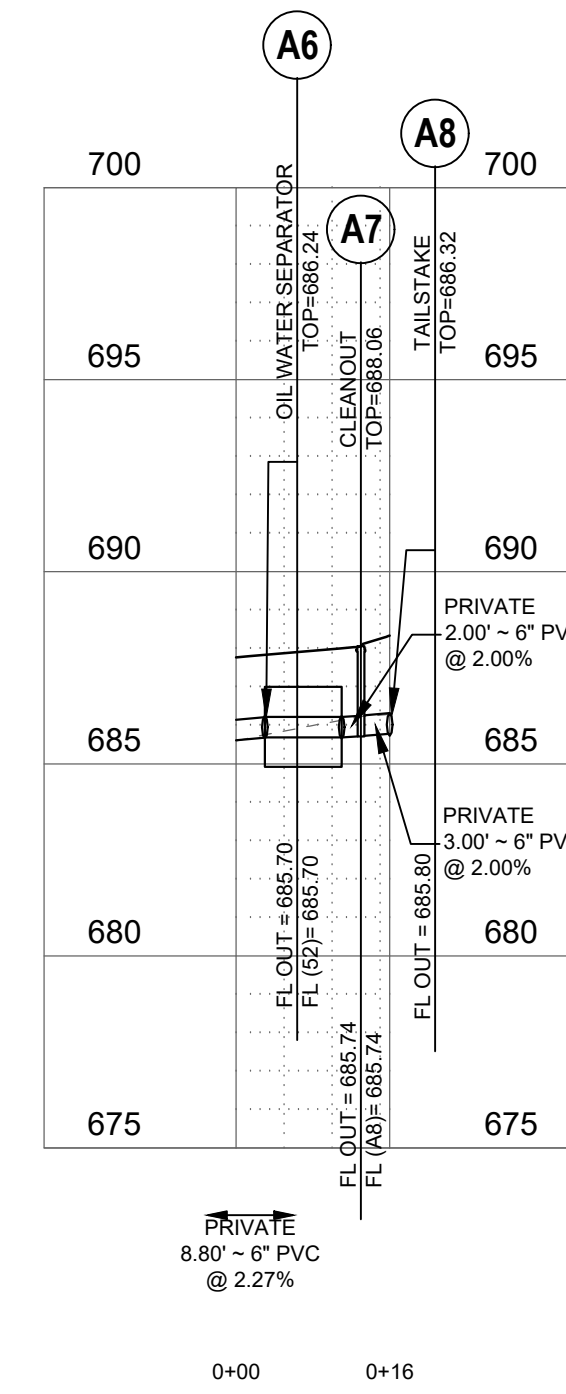
JOB# 225-4675

SITE PLAN

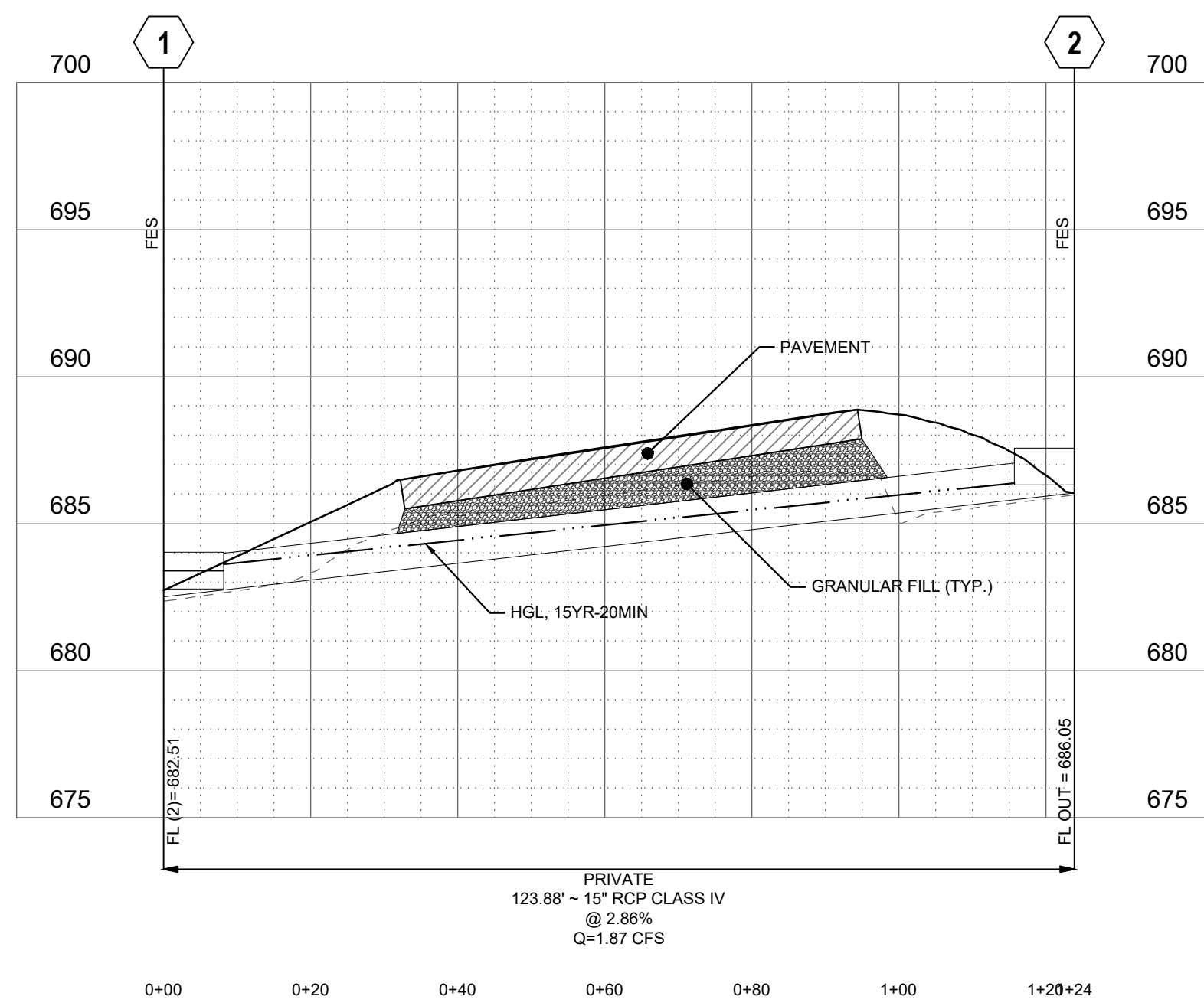
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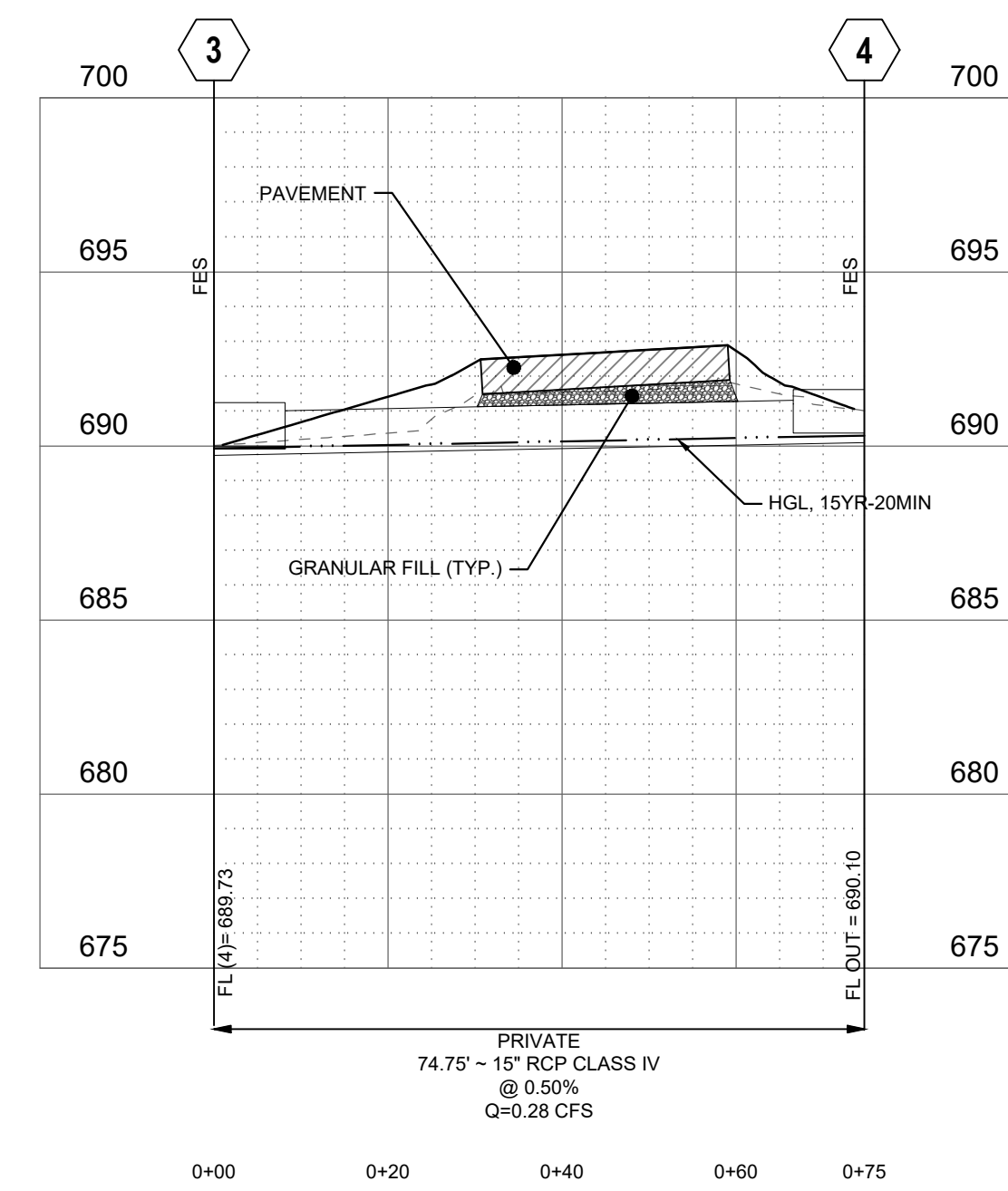
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1"=5' VERT.



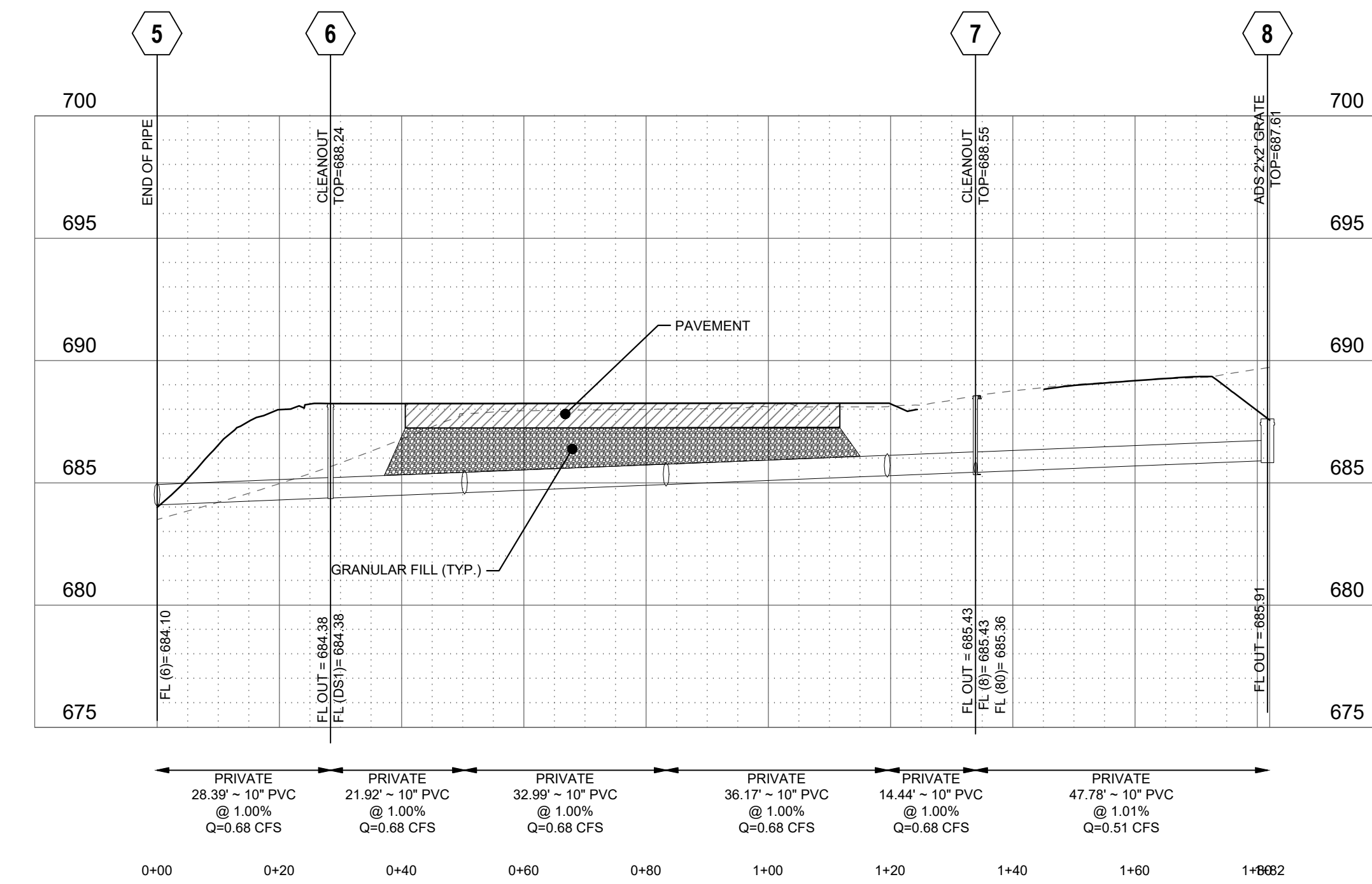
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1"=5' VERT.



**STORM 1**  
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1"=5' VERT.



**STORM 2**  
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1"=5' VERT.

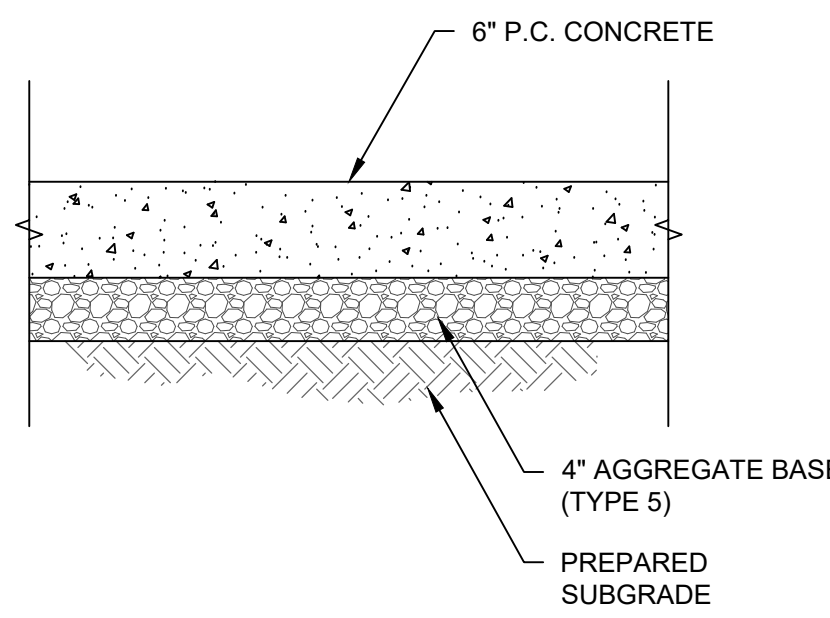


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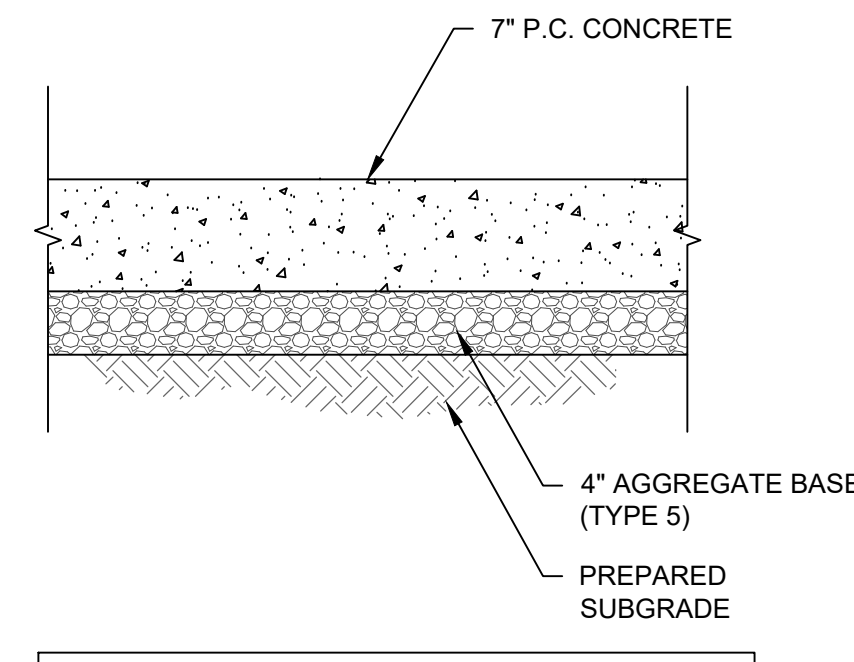
**Revisions:**

No.	Date	Description
1	9/22/25	REVISION
2	9/30/25	ADDENDUM #2

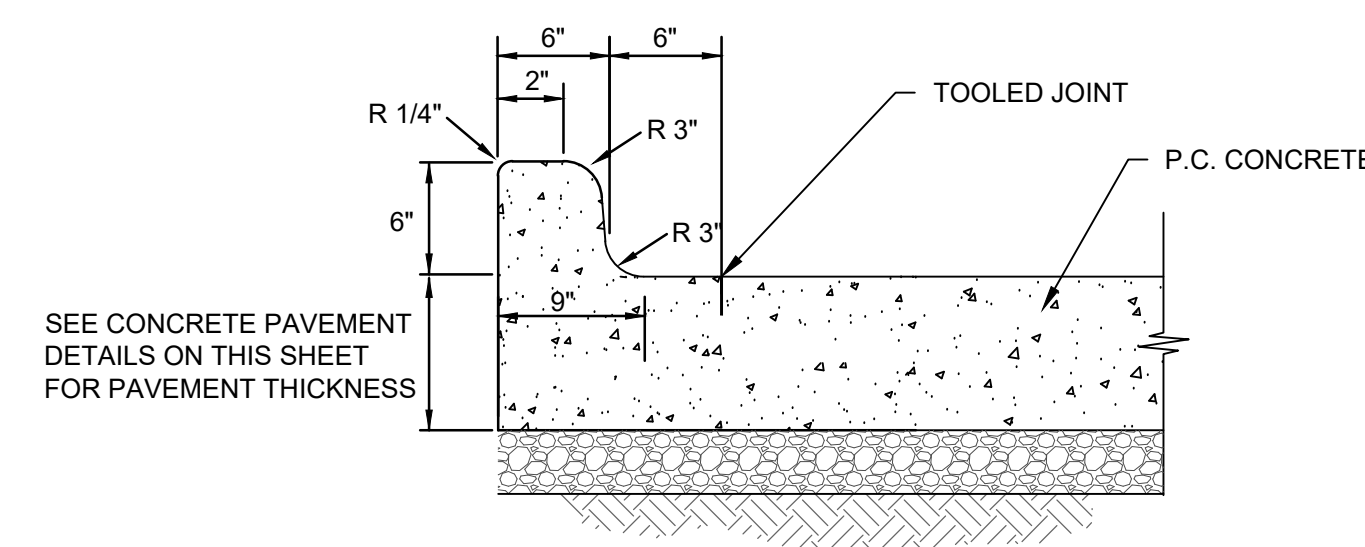




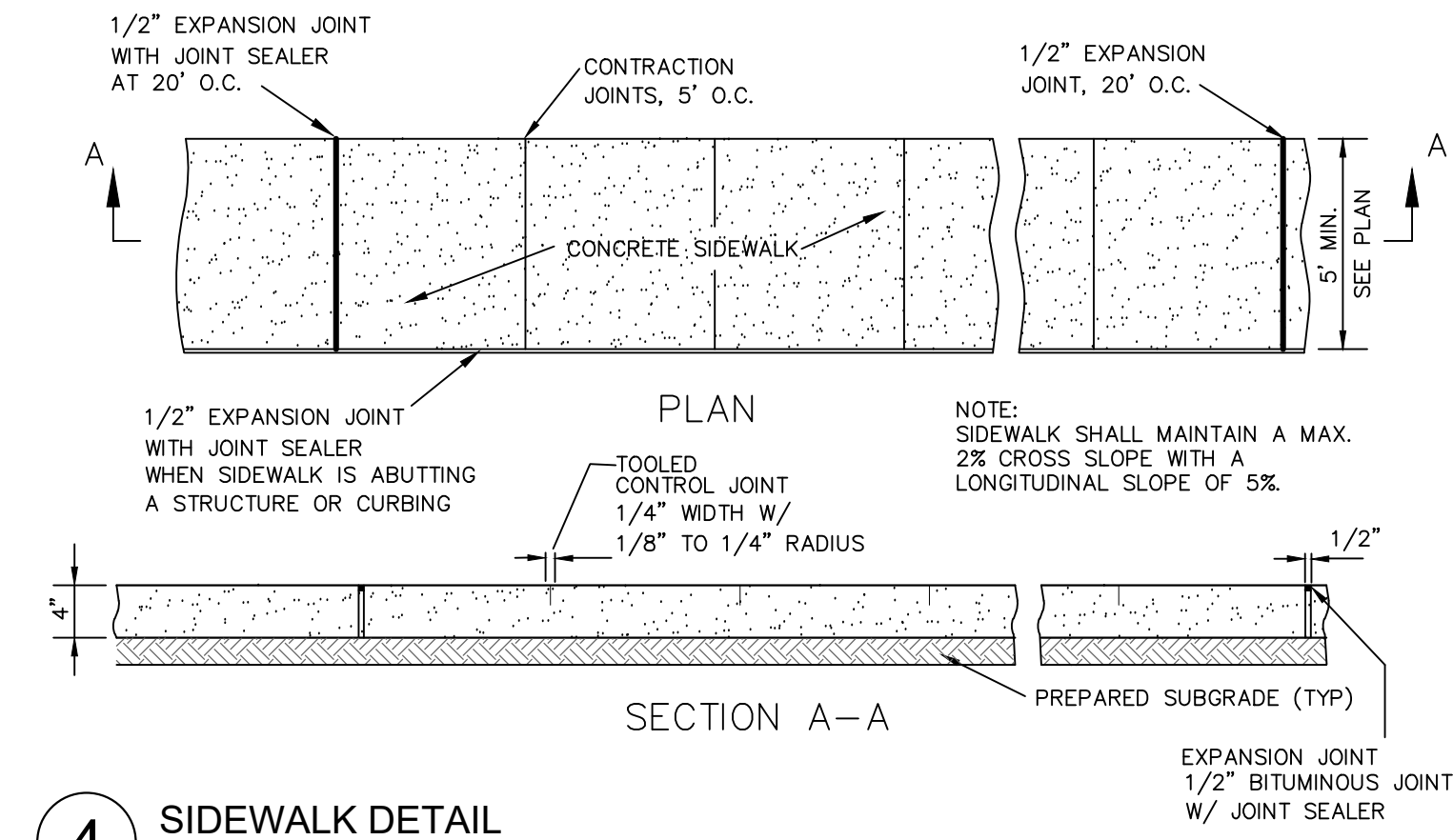
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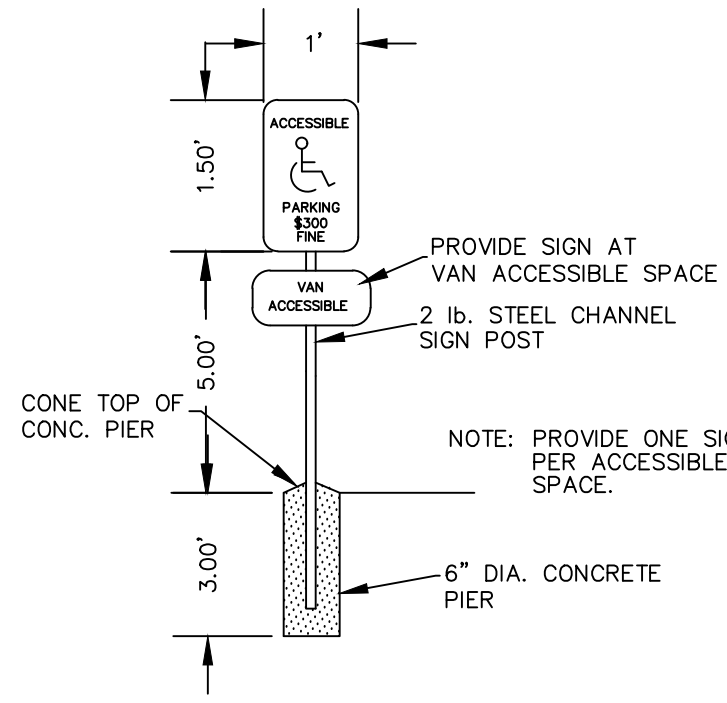
2 HEAVY DUTY CONCRETE PAVEMENT (ENTRANCE AND TRASH ENCLOSURE) NOT TO SCALE



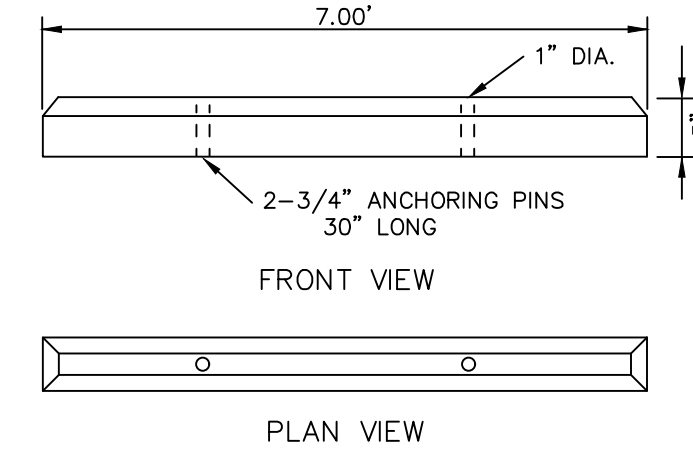
3 INTEGRAL CONCRETE CURB DETAIL NOT TO SCALE



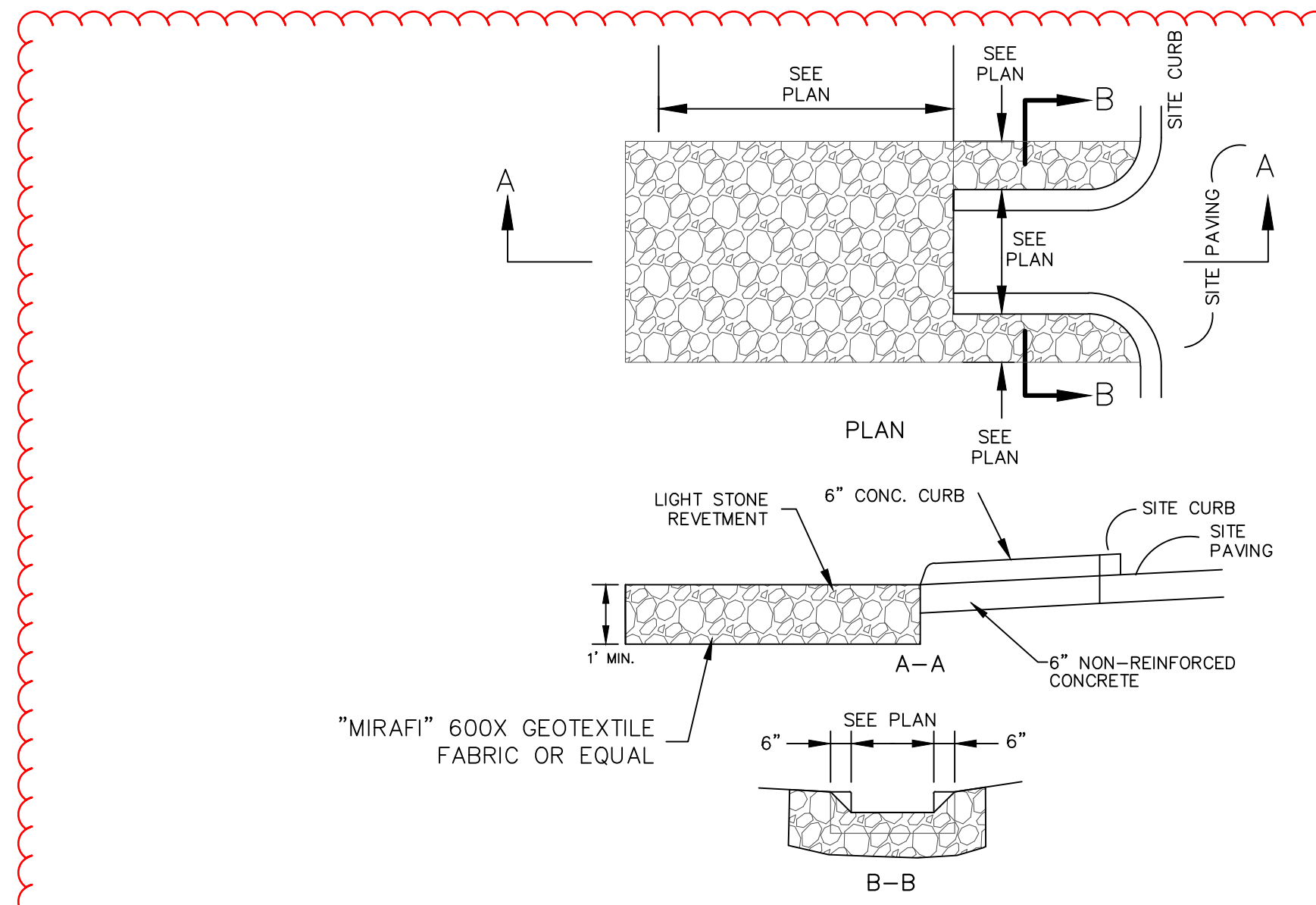
4 SIDEWALK DETAIL NOT TO SCALE



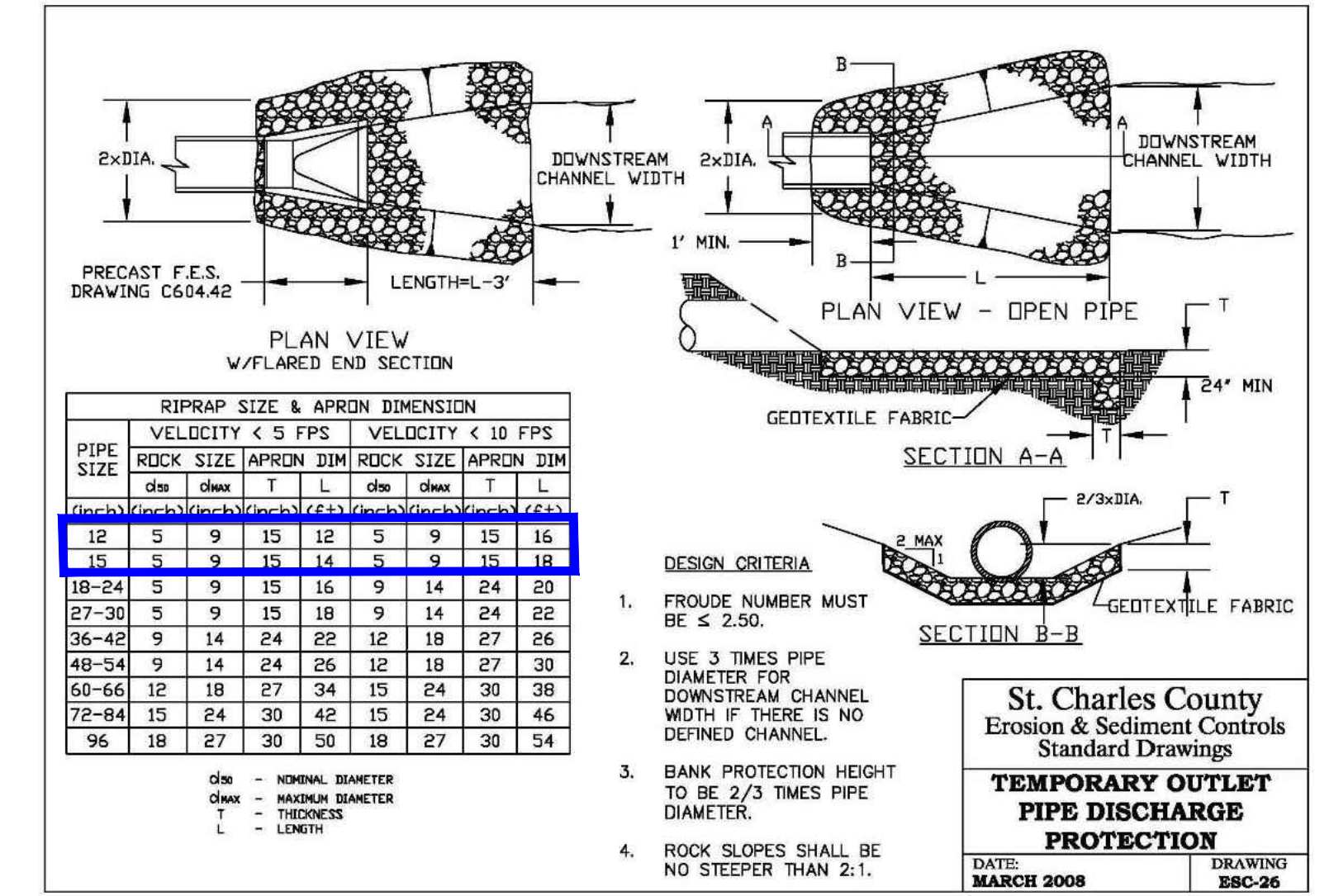
5 ADA SIGN DETAIL NOT TO SCALE



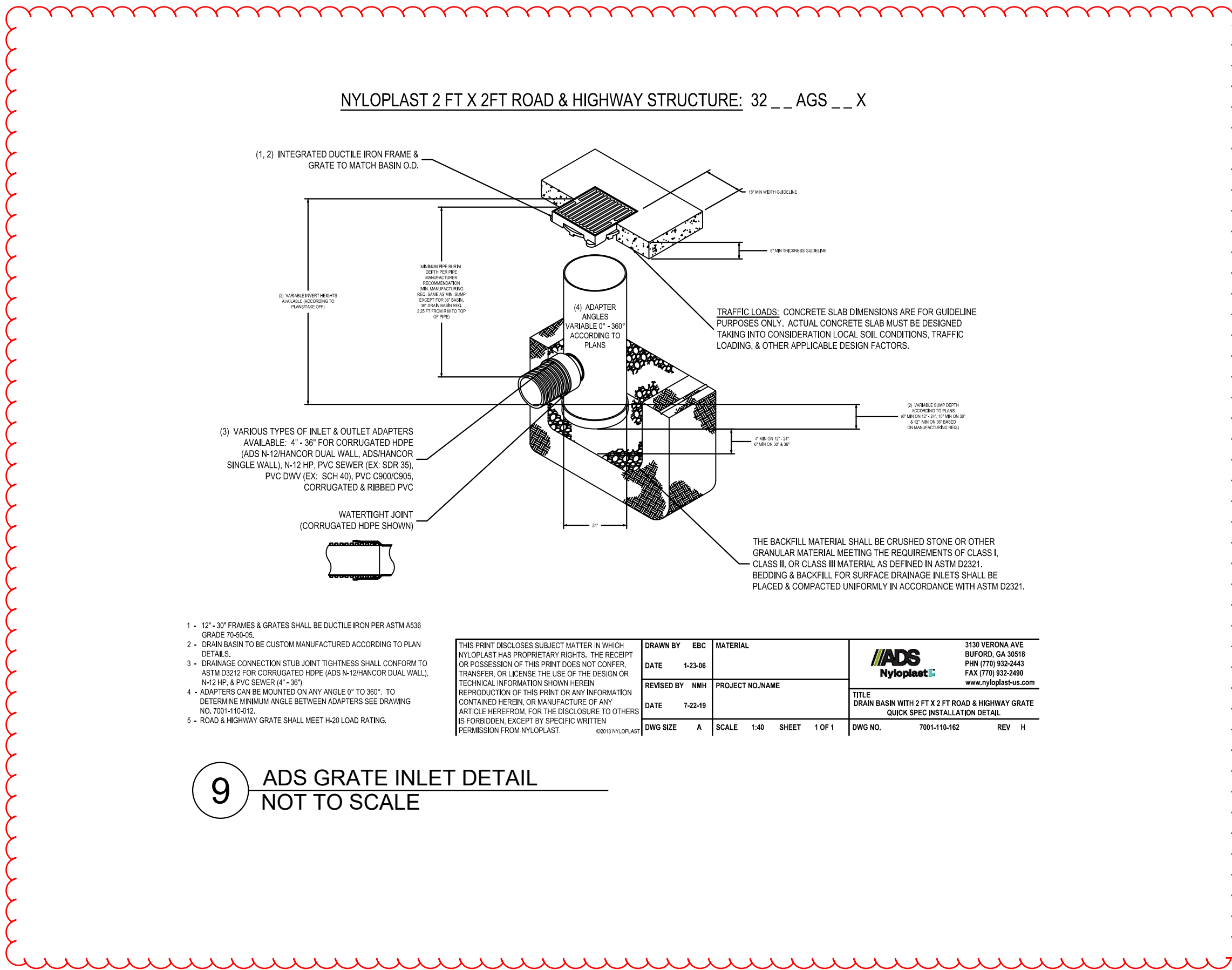
6 WHEEL STOP DETAIL NOT TO SCALE



7 CONCRETE FLUME DETAIL NOT TO SCALE



8 LIGHT STONE REVETMENT DETAIL NOT TO SCALE



9 ADS GRATE INLET DETAIL NOT TO SCALE

St. Charles County  
Erosion & Sediment Controls  
Standard Drawings  
**TEMPORARY OUTLET  
PIPE DISCHARGE**  
DRAWING: 2502-08  
DATE: MARCH 2008

PIPE SIZE	VELOCITY < 9 FPS		VELOCITY < 10 FPS	
	PIPE SIZE	APRON DIM	PIPE SIZE	APRON DIM
12	5	9	15	16
15	5	9	15	16
18-24	5	9	15	16
27-30	5	9	15	16
36-42	9	14	24	27
48-54	9	14	24	27
60-66	12	18	27	30
72-84	15	24	30	36
96	18	27	30	36

DESIGN CRITERIA:  
1. PROTECTIVE NUMBER MUST BE < 2.50.  
2. USE 3 TIMES PIPE DIAMETER FOR DOWNSTREAM CHANNEL WIDTH IF THERE IS NO DEFINED CHANNEL.  
3. BANK PROTECTION HEIGHT TO BE 2/3 TIMES PIPE DIAMETER.  
4. ROCK SLOPES SHALL BE NO STEEPER THAN 2:1.

Revisions:

No.	Date	Description
1	07/12/25	REVISION
2	9/30/25	ADDENDUM #2

Revisions:

No.	Date	Description
2	2025-09-30	Add No. 2

Sheet Info:  
 LIFE SAFETY PLAN

Drawn By: Author  
 Checked By: Checker  
 Commission: 025-2125  
 Date: 2025-09-11

LS101

**LEGEND**

— S — S — S — ABLE TO RESIST PASSAGE OF SMOKE

● ● ● 1/2 HOUR FIRE

◆ ◆ ◆ 1 HOUR FIRE

◆ S ◆ S ◆ S 1 HOUR FIRE / SMOKE

◆ ◆ 2 HOUR FIRE

◆ S ◆ S 2 HOUR FIRE / SMOKE

◆ ◆ ◆ 3 HOUR FIRE

◆ ◆ S 3 HOUR FIRE / SMOKE

◆ ◆ ◆ 4 HOUR FIRE

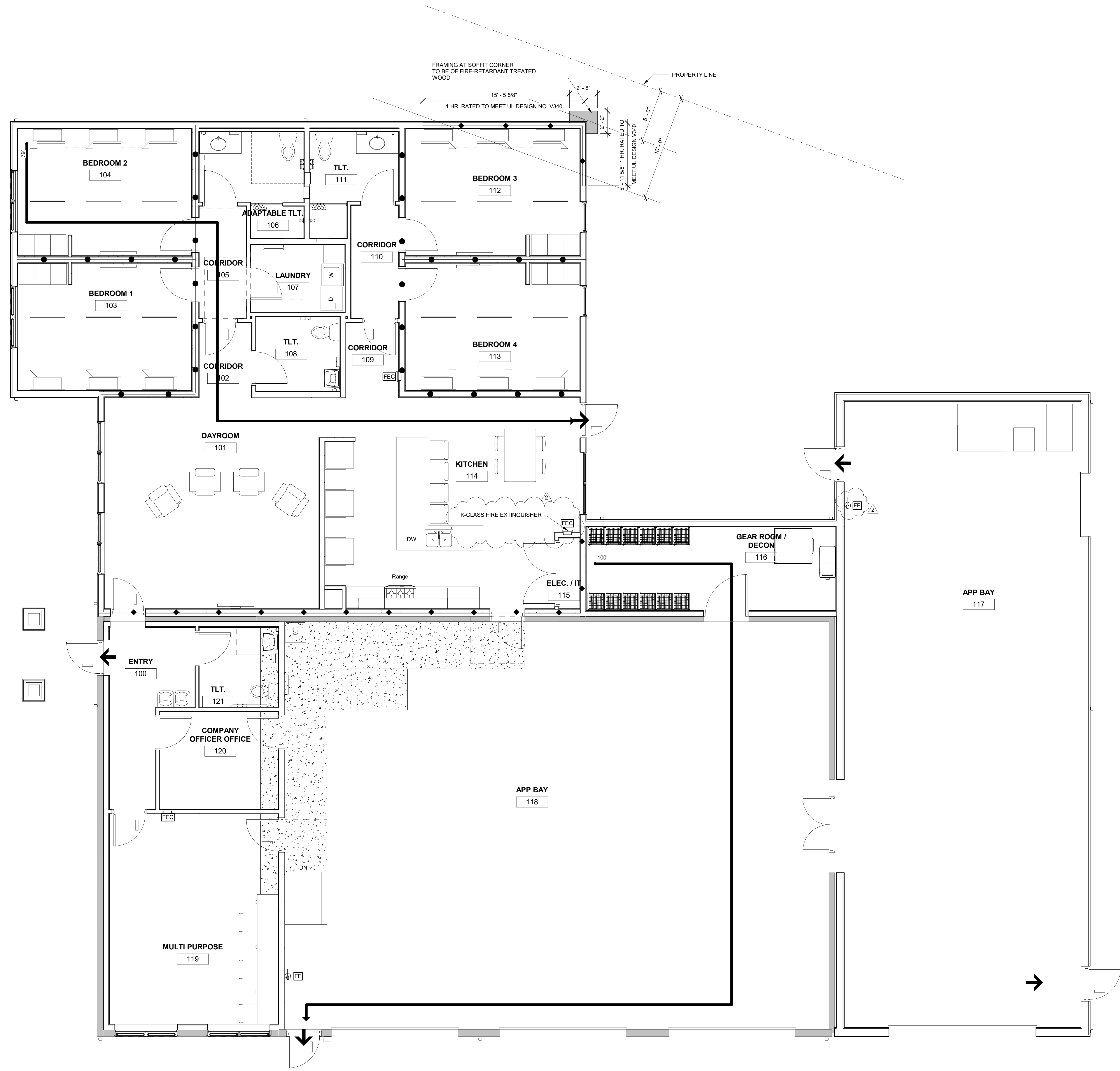
◆ ◆ S 4 HOUR FIRE / SMOKE

FE FIRE EXTINGUISHER CABINET

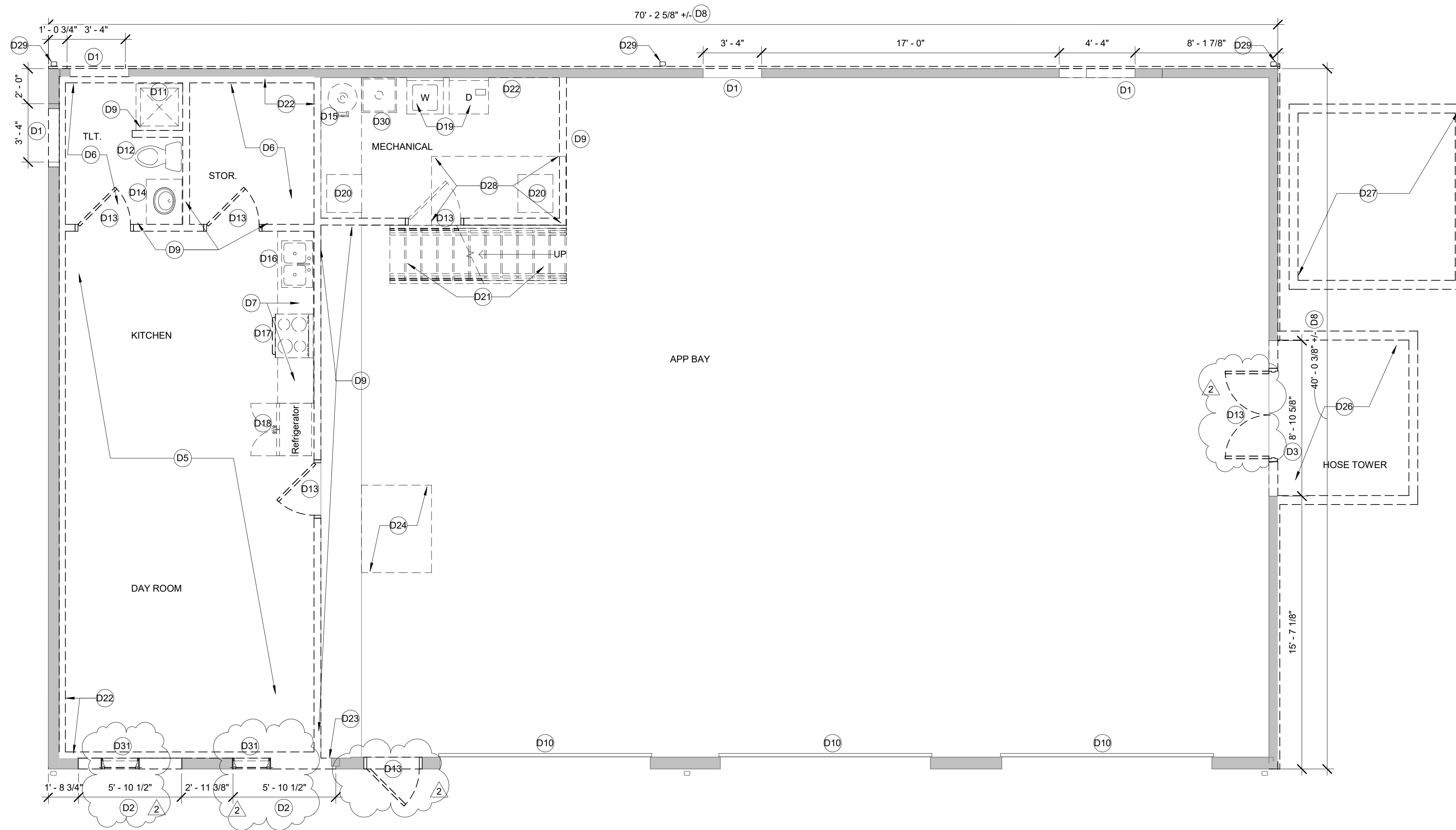
FE FIRE EXTINGUISHER

↑ EXIT

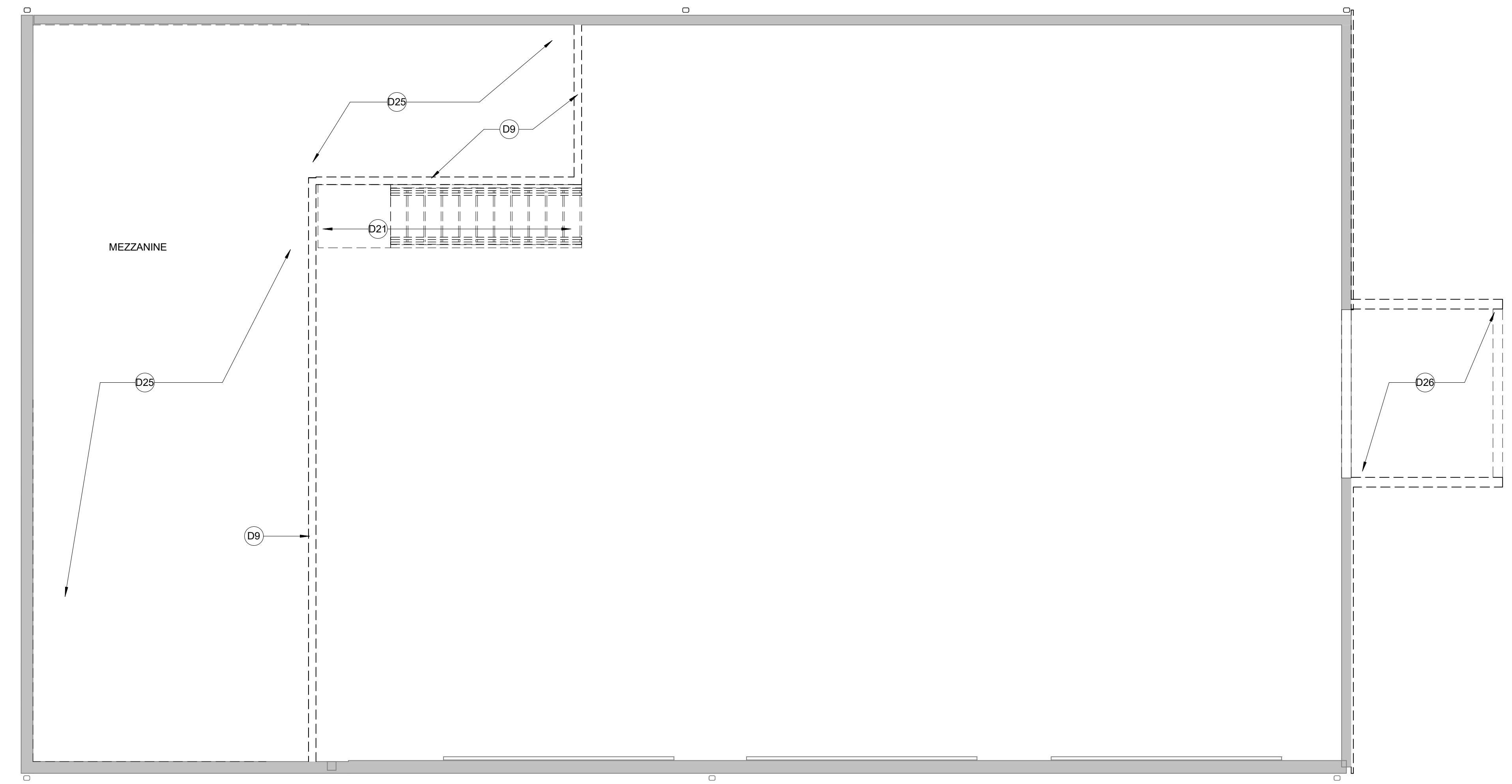
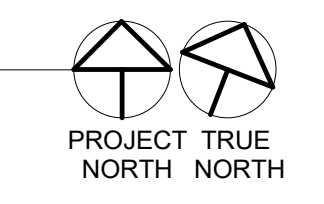
○ CODE COMPLIANCE LEGEND  
 1/4" = 1'-0"



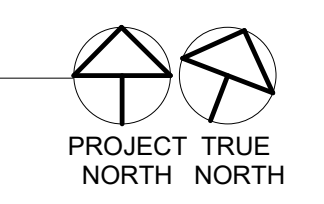
1 Life Safety Plan  
 LS101 1/4" = 1'-0"



1 DEMOLITION FLOOR PLAN  
AD101 1/4" = 1'-0"



2 DEMOLITION MEZZANINE FLOOR PLAN  
AD101 1/4" = 1'-0"



DEMOLITION GENERAL NOTES

1. WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. DEMOLISH EXISTING WALLS/FLOORS/CEILING AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, PLUMBING, ELECTRICAL AND FIRE PROTECTION EQUIPMENT. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION FOR ADDITIONAL INFORMATION.
3. REMOVE EXISTING CONSTRUCTION SHOWN IN HEAVY DASHED LINEWORK.
4. INFORMATION SHOWN IN LIGHT LINE WORK IS EXISTING CONSTRUCTION TO REMAIN.
5. THE DRAWING GENERALLY INDICATES THE EXTENT AND CHARACTERISTICS OF EXISTING MATERIALS AND SYSTEMS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS.
6. REMOVE ALL HANGERS, SUSPENSION SYSTEMS, SUPPORTS, FRAMING, EQUIPMENT PADS, ANCHORS, ATTACHMENTS, HARDWARE AND RELATED DEVICES CONNECTED WITH WORK TO BE REMOVED. IF COMPLETE REMOVAL IS NOT POSSIBLE, CUT DEVICE AS CLOSE AS POSSIBLE TO ADJOINING SURFACES OR ORIGIN OF SUPPORT.
7. REMOVE ALL ABANDONED CONDUIT BOXES, CONDUCTORS, TELEPHONE LINES, ELECTRICAL PANELS, AND ANY OTHER MISC. EQUIPMENT NOT REQUIRED FOR THE NEW WORK. REMOVE ALL RECESSED FLOOR BOXES, FLOOR SINKS, HUB DRAINS, ELECTRICAL RECEPTACLES, ETC. AND FILL VOIDS AS REQUIRED.
8. CONTRACTOR SHALL VISIT THE SITE AND FACILITY TO DETERMINE THE EXISTING CONDITIONS INVOLVED IN AND EXECUTED BY THE WORK INDICATED BY ALL CONTRACT DOCUMENTS. CONTRACTOR'S FAILURE TO REASONABLY DETERMINE AND/OR ANTICIPATE THE EFFECT OF EXISTING CONDITIONS AND THE WORK INVOLVED THEREBY SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. REPORT ANY DISCREPANCIES TO THE ARCHITECT.
9. UNLESS NOTED OTHERWISE, ALL DEMOLISHED MATERIAL AND EQUIPMENT IS TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A SAFE AND LEGAL MANNER. NO ON SITE SALE OF MATERIAL IS ALLOWED.
10. ALL MATERIALS, EQUIPMENT, FIXTURES, SYSTEMS, AND ACCESSORIES WHICH ARE TO REMAIN IN SERVICE SHALL BE CLEANED, REPAIRED, ADJUSTED, RECONDITIONED, AND PLACED IN PROPER OPERATION IN ALL MODES WITH THE ORIGINAL SYSTEMS.
11. IF INTERRUPTION OF ANY UTILITY SERVICE OCCURS DURING CONSTRUCTION OR DEMOLITION THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING (7) DAYS PRIOR TO THE WORK. THE CONTRACTOR SHALL SCHEDULE THIS WORK TO BE COMPLETED IN A TIMELY MANNER.
12. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION AND REMODELING WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS TO REMAIN IN SERVICE AND TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT, PIPING, ETC.
13. ALL ABANDONED UTILITY LINES SHALL BE CAPPED IN A LEGAL MANNER BELOW THE FLOOR SLAB, ABOVE THE CEILING, OR IN AN EXISTING WALL TO REMAIN.
14. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DEMOLITION AND PATCHING (TO MATCH EXISTING) REQUIRED TO INSTALL NEW WORK. PATCH ALL DISTURBED CONSTRUCTION TO MATCH ADJACENT EXISTING OR PREPARE SURFACE TO RECEIVE NEW FINISH AS INDICATED IN THE ROOM FINISH PLAN AND LEGEND.
15. PREPARE EXISTING SUB-FLOOR TO RECEIVE NEW FLOOR FINISH. PATCH ALL HOLES AS REQUIRED TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FLOOR FINISH.

KEYED NOTES - DEMOLITION FLOOR PLAN

D1	COMPLETELY REMOVE EXISTING PARTITION AS REQUIRED FOR NEW DOOR/FRAME (INCLUDING ANY ELECTRICAL AND PLUMBING ITEMS). REFER TO THE FLOOR PLAN, DOOR SCHEDULE AND DOOR/FRAME TYPES FOR DOOR SIZE. REFER TO THE STRUCTURAL DOCUMENTS FOR REQUIRED FRAMING.
D2	COMPLETELY REMOVE EXISTING PARTITION AS REQUIRED FOR NEW WINDOW (INCLUDING ANY ELECTRICAL AND PLUMBING ITEMS). REFER TO THE FLOOR PLAN AND WINDOW TYPES FOR WINDOW SIZE. REFER TO THE STRUCTURAL DOCUMENTS FOR REQUIRED FRAMING.
D3	COMPLETELY REMOVE EXISTING PARTITION AS REQUIRED FOR NEW WALL OPENING (INCLUDING ANY ELECTRICAL AND PLUMBING ITEMS). REFER TO THE FLOOR PLAN AND TO THE STRUCTURAL DOCUMENTS FOR REQUIRED FRAMING.
D5	COMPLETELY REMOVE CARPET FLOORING AND BASE INCLUDING ADHESIVES, ETC. TO EXPOSE CONCRETE. PREPARE SURFACE TO RECEIVE NEW FLOORING AS INDICATED IN THE ROOM FINISH PLAN AND LEGEND.
D6	COMPLETELY REMOVE EXISTING VCT FLOORING AND BASE INCLUDING ADHESIVES, ETC. TO EXPOSE CONCRETE. PREPARE SURFACE TO RECEIVE NEW FLOORING AS INDICATED IN THE ROOM FINISH PLAN AND LEGEND.
D7	COMPLETELY REMOVE EXISTING MILLWORK/CASEWORK.
D8	REMOVE EXISTING METAL SIDING. SALVAGE SIDING TO BE USED AT INFILLED WINDOW LOCATIONS ON SOUTH ELEVATION AND AS REQUIRED TO REPAIR EXISTING SIDING.
D9	COMPLETELY REMOVE EXISTING PARTITION.
D10	EXISTING DOOR TO REMAIN.
D11	REMOVE EXISTING SHOWER AND CORRESPONDING PIPING AS REQUIRED. REFER TO PLUMBING DOCUMENTS.
D12	REMOVE EXISTING WATER CLOSET AND CORRESPONDING PIPING AS REQUIRED. REFER TO PLUMBING DOCUMENTS.
D13	COMPLETELY REMOVE EXISTING DOOR, FRAME, HARDWARE AND TRIM.
D14	COMPLETELY REMOVE EXISTING BASE CABINET, SINK AND CORRESPONDING PIPING AS REQUIRED. REFER TO PLUMBING DOCUMENTS.
D15	COMPLETELY REMOVE EXISTING WATER HEATER AND CORRESPONDING PIPING AS REQUIRED. REFER TO PLUMBING DOCUMENTS.
D16	COMPLETELY REMOVE EXISTING KITCHEN SINK AND CORRESPONDING PIPING AS REQUIRED. REFER TO PLUMBING DOCUMENTS.
D17	REMOVE EXISTING KITCHEN ELECTRIC RANGE. COORDINATE WITH OWNER.
D18	REMOVE EXISTING KITCHEN REFRIGERATOR. COORDINATE WITH OWNER.
D19	REMOVE EXISTING WASHER AND DRYER. COORDINATE WITH OWNER.
D20	REMOVE EXISTING FURNACE. REFER TO MEP DOCUMENTS.
D21	COMPLETELY REMOVE MEZZANINE ACCESS STAIR.
D22	REMOVE EXISTING GWB AND WALL FURRING BACK TO BUILDING FRAMING TO ALLOW FOR NEW WALL FRAMING.
D23	REMOVE EXISTING METAL WALL PANELS AND WALL FURRING BACK TO BUILDING FRAMING AS REQUIRED TO ALLOW FOR NEW WALL FRAMING.
D24	REMOVE CONCRETE SLAB AS REQUIRED FOR NEW RAMP. REFER TO STRUCTURAL.
D25	REMOVE EXISTING WOOD MEZZANINE FRAMING. REFER TO STRUCTURAL.
D26	REMOVE EXISTING HOSE TOWER IN ITS ENTIRETY.
D27	OWNER TO REMOVE EXISTING SHED.
D28	REMOVE EXISTING ELEVATED CONCRETE SLAB AS REQUIRED FOR LOWERING SLAB TO APP BAY FLOOR LEVEL. REFER TO STRUCTURAL.
D29	REMOVE EXISTING DOWNSPOUT.
D30	EXISTING MOP BASIN TO BE REMOVED. REFER TO PLUMBING DOCUMENTS.
D31	EXISTING WINDOW TO BE REMOVED.

Revisions:

No.	Date	Description
2	2025-09-30	Add No. 2

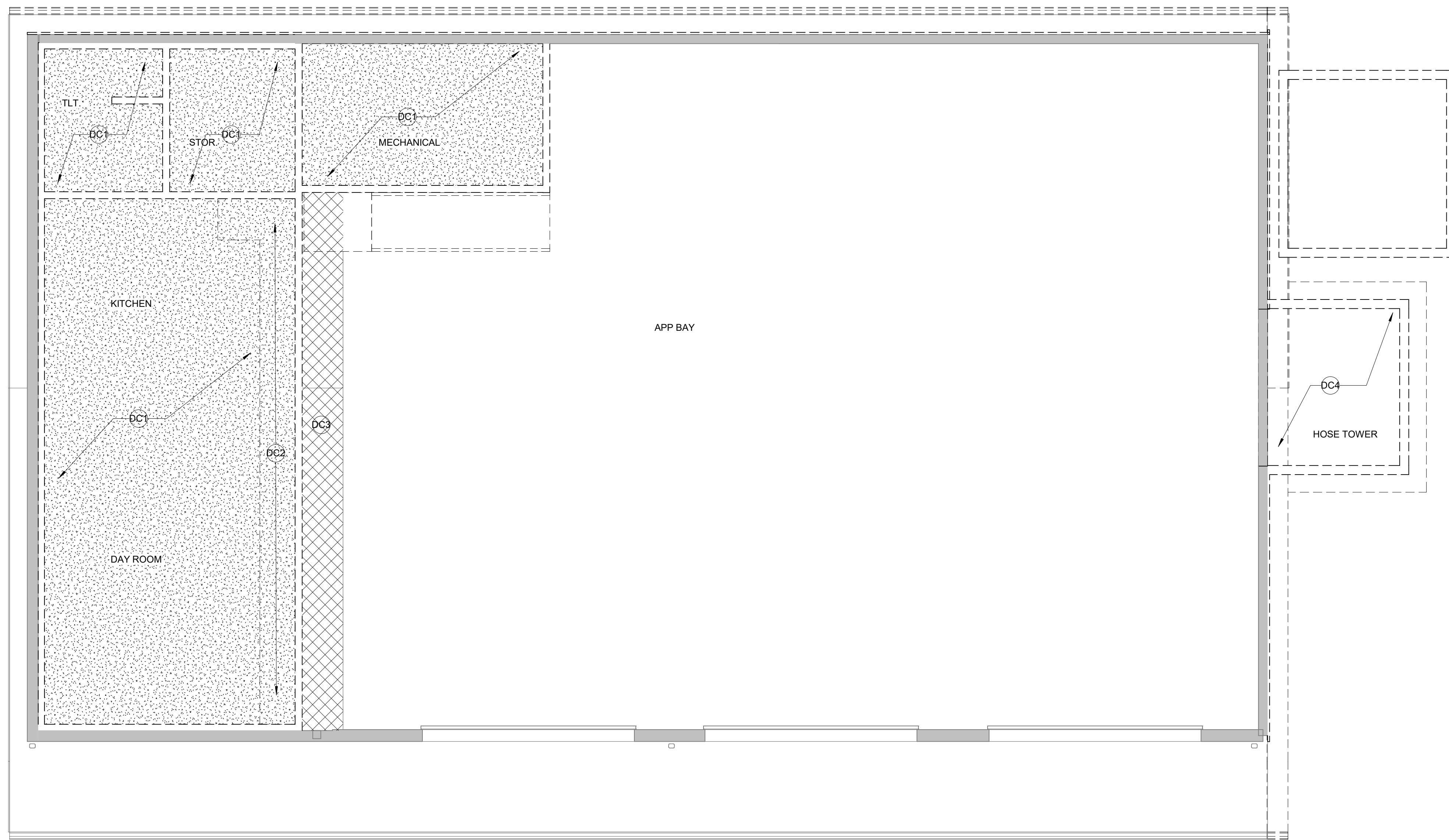
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DEMOLITION FLOOR PLAN

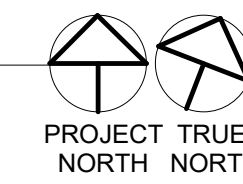
Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-11

AD101

9/30/2025 3:21:20 PM



1  
AD102  
DEMOLITION REFLECTED  
CEILING PLAN  
1/4" = 1'-0"

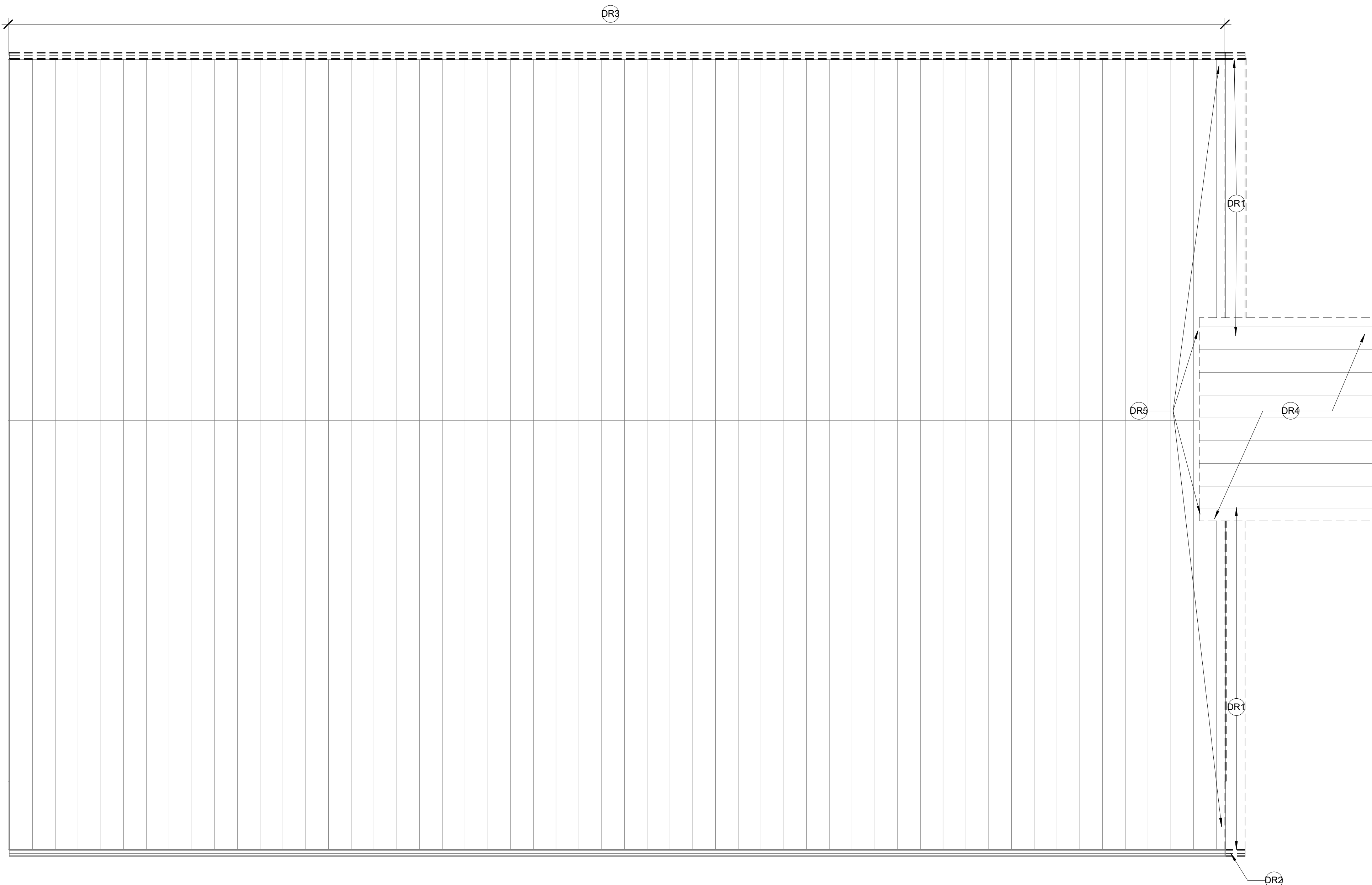


### DEMOLITION GENERAL NOTES

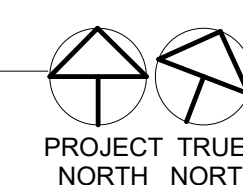
- WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
- DEMOLISH EXISTING WALLS/FLOORS/CEILING AS REQUIRED FOR INSTALLATION OF NEW MECHANICAL, PLUMBING, ELECTRICAL AND FIRE PROTECTION EQUIPMENT. REFER TO MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING CONSTRUCTION SHOWN IN HEAVY DASHED LINEWORK.
- INFORMATION SHOWN IN LIGHT LINE WORK IS EXISTING CONSTRUCTION TO REMAIN.
- THE DRAWING GENERALLY INDICATES THE EXTENT AND CHARACTERISTICS OF EXISTING MATERIALS AND SYSTEMS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS.
- REMOVE ALL HANGERS, SUSPENSION SYSTEMS, SUPPORTS, FRAMING, EQUIPMENT PADS, ANCHORS, ATTACHMENTS, HARDWARE AND RELATED DEVICES CONNECTED WITH WORK TO BE REMOVED. IF COMPLETE REMOVAL IS NOT POSSIBLE, CUT DEVICE AS CLOSE AS POSSIBLE TO ADJOINING SURFACES OR ORIGIN OF SUPPORT.
- REMOVE ALL ABANDONED CONDUIT BOXES, CONDUCTORS, TELEPHONE LINES, ELECTRICAL PANELS, AND ANY OTHER MISC. EQUIPMENT NOT REQUIRED FOR THE NEW WORK. REMOVE ALL RECESSED FLOOR BOXES, FLOOR SINKS, HUB DRAINS, ELECTRICAL RECEPTACLES, ETC. AND FILL Voids AS REQUIRED.
- CONTRACTOR SHALL VISIT THE SITE AND FACILITY TO DETERMINE THE EXISTING CONDITIONS INVOLVED IN AND EXECUTED BY THE WORK INDICATED BY ALL CONTRACT DOCUMENTS. CONTRACTOR'S FAILURE TO REASONABLY DETERMINE AND/OR ANTICIPATE THE EFFECT OF EXISTING CONDITIONS AND THE WORK INVOLVED THEREBY SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- UNLESS NOTED OTHERWISE, ALL DEMOLISHED MATERIAL AND EQUIPMENT IS TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE IN A SAFE AND LEGAL MANNER. NO ON SITE SALE OF MATERIAL IS ALLOWED.
- ALL MATERIALS, EQUIPMENT, FIXTURES, SYSTEMS, AND ACCESSORIES WHICH ARE TO REMAIN IN SERVICE SHALL BE CLEANED, REPAIRED, ADJUSTED, RECONDITIONED, AND PLACED IN PROPER OPERATION IN ALL MODES WITH THE ORIGINAL SYSTEMS.
- IF INTERRUPTION OF ANY UTILITY SERVICE OCCURS DURING CONSTRUCTION OR DEMOLITION THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING (7) DAYS PRIOR TO THE WORK. THE CONTRACTOR SHALL SCHEDULE THIS WORK TO BE COMPLETED IN A TIMELY MANNER.
- EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION AND REMODELING WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS TO REMAIN IN SERVICE AND TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT, PIPING, ETC.
- ALL ABANDONED UTILITY LINES SHALL BE CAPPED IN A LEGAL MANNER BELOW THE FLOOR SLAB, ABOVE THE CEILING, OR IN AN EXISTING WALL TO REMAIN.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL DEMOLITION AND PATCHING (TO MATCH EXISTING) REQUIRED TO INSTALL NEW WORK. PATCH ALL DISTURBED CONSTRUCTION TO MATCH ADJACENT EXISTING OR PREPARE SURFACE TO RECEIVE NEW FINISH AS INDICATED IN THE ROOM FINISH PLAN AND LEGEND.
- PREPARE EXISTING SUB-FLOOR TO RECEIVE NEW FLOOR FINISH. PATCH ALL HOLES AS REQUIRED TO PROVIDE AN ACCEPTABLE SURFACE FOR NEW FLOOR FINISH.

### KEYED NOTES - DEMOLITION CEILING PLAN

DC1	COMPLETELY REMOVE EXISTING GYPSUM CEILING ASSEMBLY AND MEZZANINE INCLUDING ALL HANGERS AND SUPPORTS, LIGHT GRILLES, SPEAKERS, SMOKE DETECTORS, EXPANSION JOINTS, ETC. COORDINATE WITH MECHANICAL/ELECTRICAL/PLUMBING.
DC2	COMPLETELY REMOVE EXISTING GWS SOFFIT AND FRAMING.
DC3	REMOVE EXISTING METAL CEILING LINER PANELS AND INSULATION AS REQUIRED FOR INSTALLATION OF NEW MEZZANINE / EXPANDED OFFICE AREA.
DC4	HOSE TOWER TO BE REMOVED IN ITS ENTIRETY.



2  
AD102  
DEMOLITION ROOF PLAN  
1/4" = 1'-0"



### KEYED NOTES - DEMOLITION ROOF PLAN

DR1	COMPLETELY REMOVE EXISTING HOSE TOWER.
DR2	REMOVE EXISTING ROOF OVERHANG AS REQUIRED FOR NEW APP BAY ADDITION.
DR3	REMOVE EXISTING GUTTER AND FASCIA AS REQUIRED FOR NEW APP BAY ADDITION. MODIFY EXISTING GUTTER END AS REQUIRED FOR SHORTENED LENGTH. RELOCATE EXISTING DOWNSPOUT DUE TO SHORTENED SOFFIT. PROVIDE NEW FINISHED DRIP AND OVERHANG END PANEL TO PROVIDE FINISHED END.
DR4	COMPLETELY REMOVE EXISTING GUTTER AND DOWNSPOUTS. REMOVE EXISTING FASCIA AND DRIP EDGE AS REQUIRED FOR NEW WORK. REFER TO SECTION DETAILS.
DR5	REMOVE EXISTING ROOFING AS REQUIRED DUE TO REMOVAL OF HOSE TOWER AND NEW ADDITION. IN ADDITION, REFER TO STRUCTURAL DOCUMENTS AND REMOVE ROOFING AS REQUIRED FOR ATTIC ACCESS TO INSTALL THE NEW STRUCTURAL BRACING.

#### Revisions:

No.	Date:	Description:
2	2025-09-30	Add No. 2

#### Sheet Info:

DEMOLITION FLOOR  
PLANS

Drawn By: Author  
Checked By: Checker  
Commission: 025-2125  
Date: 2025-09-11

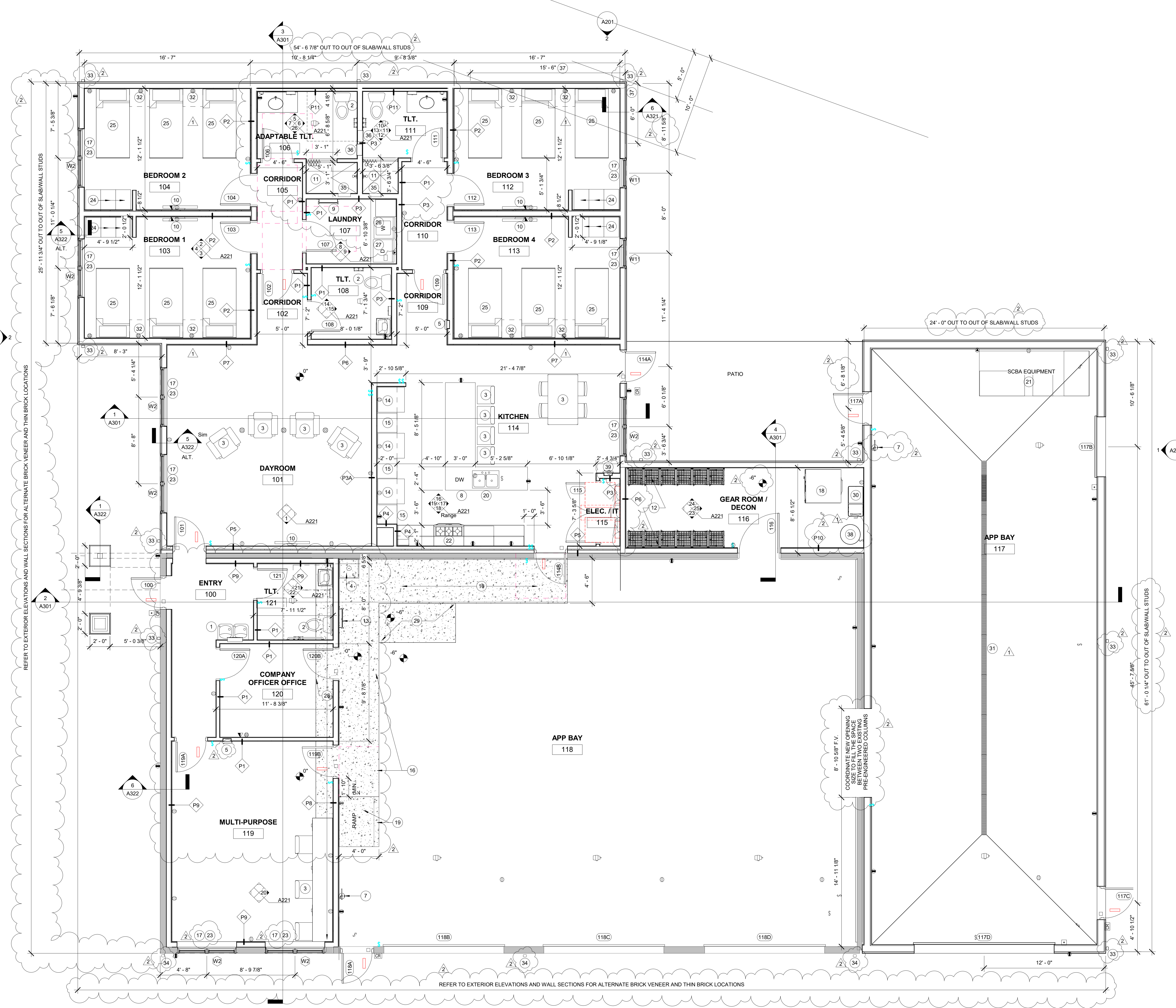
AD102

# FLOOR PLAN GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
- REFER TO CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DOCUMENTS FOR ADDITIONAL INFORMATION.
- INTERIOR WALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD.
- INFORMATION SHOWN IN LIGHT LINE WORK IS EXISTING CONSTRUCTION.
- THE DRAWINGS GENERALLY INDICATE THE EXTENT AND CHARACTERISTICS OF EXISTING MATERIALS AND SYSTEMS. THE CONTRACTOR SHALL VISIT THE SITE AND FACILITY TO DETERMINE THE EXISTING CONDITIONS INVOLVED IN AND EXECUTED BY THE WORK INDICATED BY ALL CONTRACT DOCUMENTS. THE CONTRACTOR'S FAILURE TO REASONABLY DETERMINE AND/OR ANTICIPATE THE EFFECT OF EXISTING CONDITIONS AND THE WORK INVOLVED SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- REFER TO ROOM FINISH PLAN AND LEGEND, DOOR SCHEDULE AND WALL TYPES FOR ADDITIONAL INFORMATION.
- THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
- EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE GENERAL DEMOLITION WORK TO ASSURE THE SAFETY AND SAFETY OF EQUIPMENT AND SYSTEMS TO REMAIN IN SERVICE AND TO PROVIDE FOR THE TIMELY REMOVAL AND/OR RELOCATION OF EQUIPMENT, PIPING, ETC.
- CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.
- REFER TO EQUIPMENT SCHEDULE FOR INFORMATION ON FURNITURE AND EQUIPMENT INDICATED ON THE PLAN.
- THE CONTRACTOR SHALL PROVIDE FIRE RETARDANT WOOD BLOCKING OR HEAVY GAUGE SHEET METAL BLOCKING AS REQUIRED FOR THE INSTALLATION OF ALL MILLWORK, TOILET ACCESSORIES, HANDRAILS, EQUIPMENT, ETC.
- PROVIDE CONTROL JOINTS ON THE STRIKE SIDE OF ALL DOOR JAMBS LOCATED IN NEW PARTITIONS.
- PENETRATIONS THROUGH NEW FIRE RATED WALLS SHALL BE FIRESTOPPED BY THE RESPECTIVE TRADE CONTRACTOR. PROVIDE A FIRESTOPPING MATERIAL EQUAL TO THE FIRE RATING OF THE WALL, FLOOR, CEILING OR ROOF BEING PENETRATED.
- ALL WALLS TO BE PARTITION TYPE P1 UNLESS NOTED OTHERWISE. REFER TO SHEET A602 FOR PARTITION TYPES.
- REFER TO SPECIFICATIONS FOR REQUIRED INTERIOR SIGNAGE. COORDINATE FINAL LOCATION OF NON-ROOM SPECIFIC SIGNAGE WITH OWNER.
- IF INTERRUPTION OF ANY UTILITY SERVICE IS REQUIRED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING (7) DAYS PRIOR TO THE WORK. THE CONTRACTOR SHALL SCHEDULE THIS WORK TO BE COMPLETED IN A TIMELY MANNER.
- ALL PLUMBING WALLS AND EXTERIOR WINDOW HEADS/JAMBS THAT ARE TO HAVE GWB ARE TO HAVE MOISTURE RESISTANT GWB.
- FIRE TAPE ALL GWB JOINTS IN ALL CONCEALED AREAS.

## KEYED NOTES - FLOOR PLAN

- ACCESSIBLE DRINKING FOUNTAIN. REFER TO PLUMBING DOCUMENTS.
- ACCESSIBLE WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
- FURNITURE. N.I.C. - TYPICAL.
- NEW MOP BASIN. REFER TO THE PLUMBING DOCUMENTS.
- SEMI RECESSED FIRE EXTINGUISHER CABINET (FE-1) AND FIRE EXTINGUISHER (FE-1) AT RATED WALL LOCATIONS (REFER TO LIFE SAFETY PLANS). THE FIRE EXTINGUISHER CABINET IS TO BE A MODEL FOR USE IN RATED WALLS.
- WALL MOUNTED FIRE EXTINGUISHER (FE-2)
- DISHWASHER. REFER TO EQUIPMENT PLAN.
- STEEL LADDER TO ATTIC ACCESS HATCH.
- INSTALL WALL BLOCKING AND POWER/DATA ROUGH-INS AT THE DESIGNATED LOCATION FOR TV LOCATION. VERIFY FINAL LOCATIONS/HEIGHT WITH THE OWNER PRIOR TO INSTALLATION. REFER TO ELECTRICAL DOCUMENTS.
- ROLL-IN SHOWER. RESTROOM FLOOR TO SLOPE TO SHOWER DRAIN. REFER TO THE INTERIOR ELEVATIONS AND THE PLUMBING DOCUMENTS.
- GEAR LOCKER. REFER TO EQUIPMENT SCHEDULE.
- STEEL LADDER TO MEZZANINE.
- REFRIGERATOR-REFER TO EQUIPMENT PLAN.
- PLASTIC LAMINATE BUILT IN SHELVING UNIT WITH 5 ADJUSTABLE SHELVES. SIZE TO PROVIDE OPENING FOR REFRIGERATOR.
- RAISED CONCRETE FLOOR PLATFORM. REFER TO STRUCTURAL.
- WINDOWS TO HAVE MOISTURE RESISTANT GYPSUM WALL BOARD AT HEADS AND JAMBS.
- GEAR EXTRACTOR. REFER TO EQUIPMENT SCHEDULE.
- 1:10 SLOPE RAMP WITH CURB.
- SINK. REFER TO PLUMBING DRAWINGS.
- SCBA. REFER TO EQUIPMENT SCHEDULE.
- RANGE. REFER TO EQUIPMENT PLAN.
- SOLID SURFACE WINDOW SILL AT ALL WINDOWS.
- METAL WARDROBE LOCKERS.
- BED. REFER TO EQUIPMENT SCHEDULE.
- WASHER. REFER TO EQUIPMENT SCHEDULE.
- DRYER. REFER TO EQUIPMENT SCHEDULE.
- NEW CONCRETE SLAB AS REQUIRED FOR EXPANDED OFFICE AREA. REFER TO STRUCTURAL.
- NEW CONCRETE SLAB INFILL AT REMOVED SLAB LOCATION. REFER TO STRUCTURAL. NEW SLAB TO BE FINISH WITH APP BAY FLOOR.
- GEAR EXTRACTOR TRENCH DRAIN. REFER TO PLUMBING DRAWINGS.
- APP BAY TRENCH DRAINS. REFER TO PLUMBING DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR FLOOR SLOPE.
- CUSTOM MILL 22" DEEP PLASTIC LAMINATE NIGHT STAND. REFER TO EQUIPMENT PLAN.
- ALUMINUM DOWNSPOUT. REFER TO ROOF PLAN.
- EXISTING ALUMINUM DOWNSPOUT.
- RECESSED SOLID SURFACE SHOWER CADDIE. REFER TO INTERIOR ELEVATIONS AND SPECIFICATIONS.
- RECESSED PLASTIC LAMINATE CUBBY. REFER TO INTERIOR ELEVATIONS.
- EXTERIOR WALL TO BE RATED 1-HR FROM BOTH SIDES TO MEET UL DESIGN V340 WITH 5/8" GWB, 2X6 STUDS @ 16" O.C., MINERAL WOOL INSULATION FULL DEPTH OF STUD CAVITY, 1 SIDED 7/16" LP FLAMEBLOCK SHEATHING, FLUID AIR AND WATER INTRUSION BARRIER (PRODUCT TO BE COMPATIBLE W/ LP SHEATHING, AND METAL SIDING).
- WATER HEATER. REFER TO PLUMBING DOCUMENTS.
- K-CLASS FIRE EXTINGUISHER (LARSEN'S WC-6L OR EQUAL) AND SEMI-RECESSED FIRE EXTINGUISHER CABINET (LARSEN'S 2712-RL OR EQUAL). VERIFY FINAL LOCATION WITH THE FIRE DEPARTMENT.

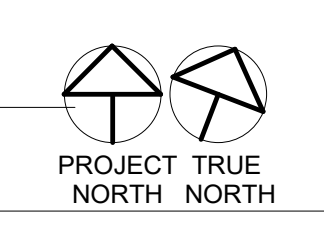


Revisions:

No.	Date	Description
1	2025-09-19	ADD. NO. 1
2	2025-09-30	ADD. NO. 2

Sheet Info:  
 FIRST FLOOR PLAN

Drawn By: Author  
 Checked By: Checker  
 Commission: 025-2125  
 Date: 2025-09-11



ALL NEW EXTERIOR WALLS ARE TO HAVE FIRE BLOCKING AT MAXIMUM INTERVALS OF 20' IN EITHER DIMENSION AND LIMITING EACH CONCEALED SPACE TO LESS THAN 100 SF.

A101

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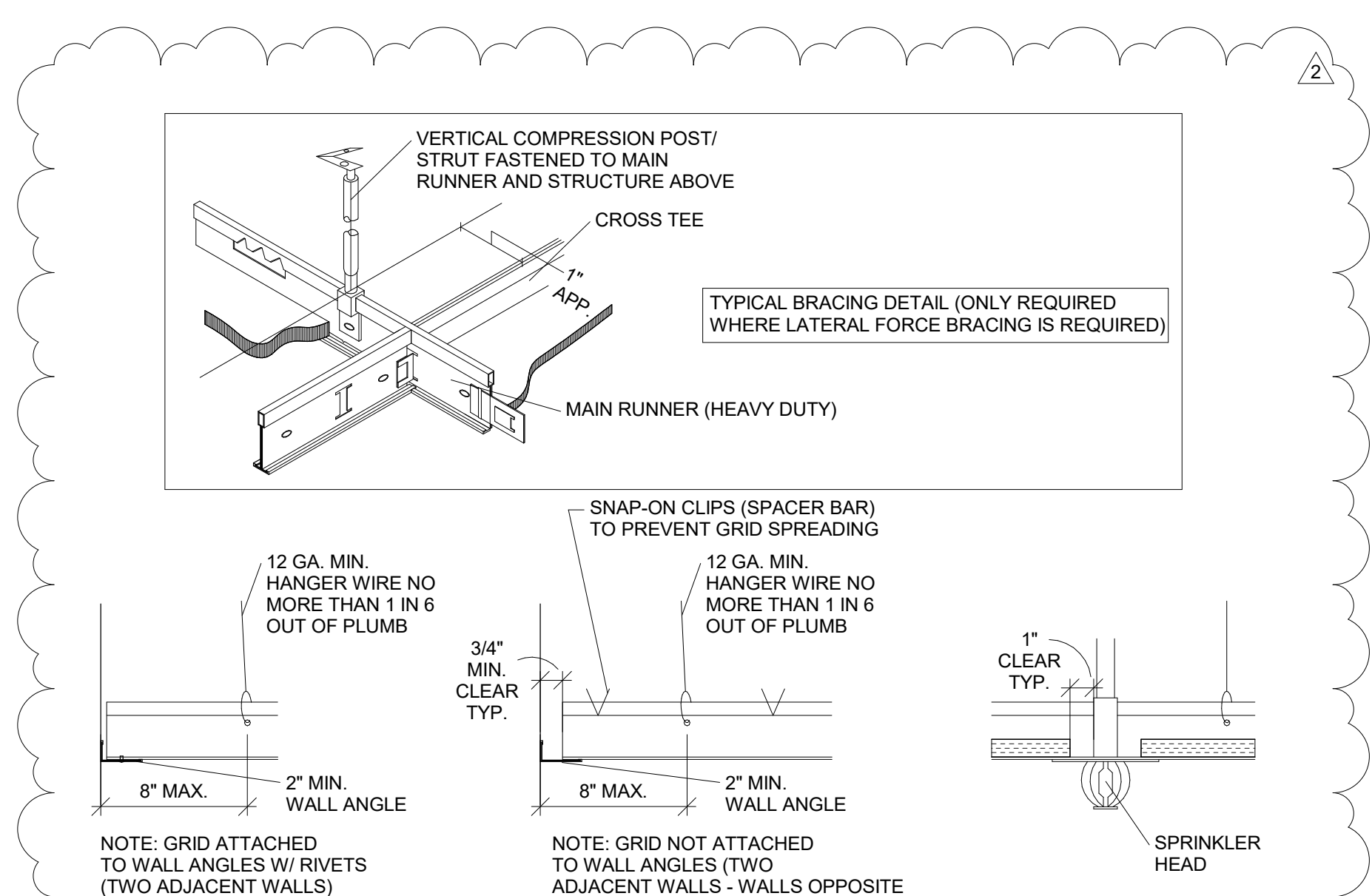
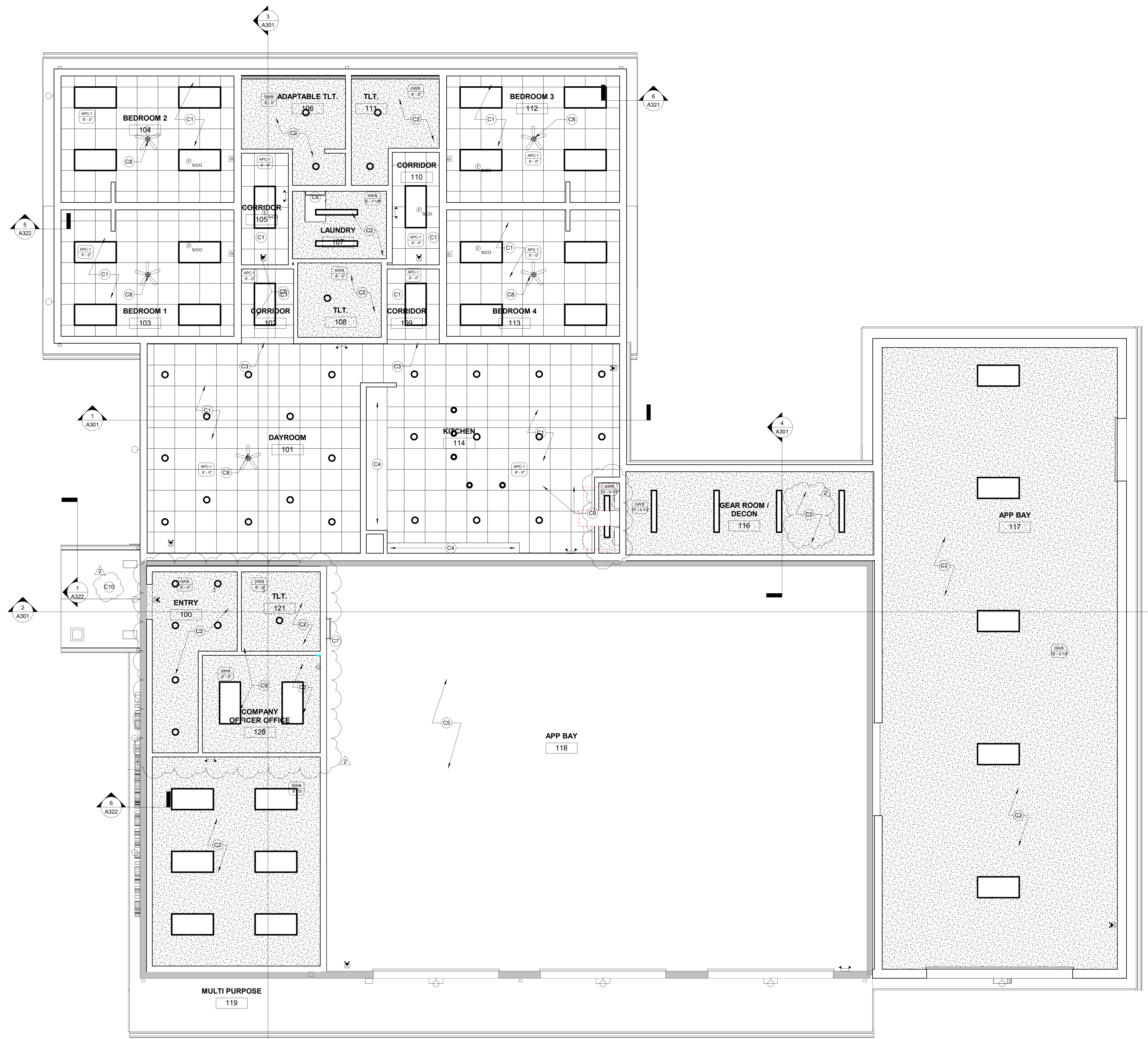
1 FLOOR PLAN  
 A101 1/4" = 1'-0"

**REFLECTED CEILING GENERAL NOTES**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DOCUMENTS FOR ADDITIONAL INFORMATION.
3. INTERIOR WALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD.
4. REFER TO ROOM FINISH LEGEND FOR CEILING TYPES.
5. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
6. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS.
7. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.
8. PENETRATIONS THROUGH NEW FIRE RATED WALLS SHALL BE FIRESTOPPED BY THE RESPECTIVE TRADE CONTRACTOR, PROVIDE A FIRESTOPPING MATERIAL EQUAL TO THE FIRE RATING OF THE WALL, FLOOR, CEILING OR ROOF BEING PENETRATED.

**KEYED NOTES - REFLECTED CEILING PLAN**

- C1 2X2 ACOUSTIC PANEL CEILING TILES/GRID SYSTEM. REFER TO HVAC AND ELECTRICAL DOCUMENTS FOR LIGHTING AND DIFFUSER LOCATIONS.
- C2 NEW GWB CEILING (PAINTED).
- C3 NEW GWB BULKHEAD (PAINTED). BOTTOM OF BULKHEAD TO BE 1" BELOW LOWEST ADJACENT CEILING.
- C4 NEW GWB SOFFIT (PAINTED). BOTTOM OF SOFFIT TO BE AT 7'-0" AFF.
- C5 EXISTING LINER PANEL.
- C6 ATTIC ACCESS LADDER AND HATCH. PROVIDE PLYWOOD WALKWAY TO ACCESS MECHANICAL EQUIPMENT. COORDINATE SIZE AND ROUTING OF WALKWAY WITH MEP CONTRACTOR FOR BEST ACCESS TO EQUIPMENT.
- C7 LADDER TO MEZZANINE.
- C8 CEILING FAN. REFER TO MEP.
- C9 LIGHTING. REFER TO ELECTRICAL. TYPICAL.
- C10 CEMENT BOARD SOFFIT PANELS WITH VENTS.



**NOTES (SEISMIC DESIGN CATEGORY D CEILINGS):**

1. ALL GRID TO BE HEAVY DUTY.
  2. ALL VERTICAL HANGER WIRES TO BE STRAIGHT. 12 GA. MINIMUM AT A MAXIMUM OF 4'-0" O.C.
  3. VERTICAL HANGER WIRES MUST BE SHARPLY BENT AND WRAPPED WITH THREE TURNS IN 3" OR LESS (FOR FIELD TIED CONNECTIONS).
  4. HANGER WIRES MAY NOT ATTACH TO OR BEND AROUND INTERFERING EQUIPMENT. USE TRAPEZES TO AVOID OBSTACLES.
  5. LATERAL FORCE BRACING IS ONLY REQUIRED FOR CEILINGS GREATER THAN 1,000 SF.
    - A. INSTALL 4-WAY DIAGONAL 12 GA. WIRE BRACING & VERTICAL STRUT EVERY 12'-0" O.C. MAXIMUM EACH WAY ON MAIN RUNNERS, 2" MAXIMUM FROM CROSS TEES, AND WITHIN 6'-0" OF WALLS. WIRES ARE NOT SHOWN HERE FOR CLARITY. POST IS MADE UP OF 3/4" STEEL TUBING WITH 3/4" WALL THICKNESS. MAXIMUM UNSUPPORTED LENGTH IS 5'-2". IF MORE THAN 5'-2" IS REQUIRED, NOTIFY ARCHITECT. POST TO HAVE SPRING AND CONNECTION FITTINGS AT TOP AND BOTTOM. (RIGID BRACING TO LIMIT DEFLECTION TO 1/4" UNDER SEISMIC ACTION). INSTALL ACCORDING TO MANUFACTURER'S DIRECTIONS. POST ASSEMBLIES ARE AVAILABLE FROM DOWN CORPORATION.
    - B. LATERAL FORCE BRACING CONNECTION STRENGTH MUST BE A MINIMUM OF 250 LBS.
- NOTE: COMPLY WITH CISCA RECOMMENDATIONS AND IBC/ASTM/ASCE REQUIREMENTS FOR SEISMIC DESIGN CATEGORY D.  
NOTE: PROVIDE SEISMIC BRACING FOR LIGHT FIXTURES TO MEET CODE.

CEILING SUSPENSION DETAIL - TYPICAL  
1/8" = 1'-0"

REFLECTED CEILING PLAN  
1/4" = 1'-0"

**Revisions:**

No.	Date	Description
1	2025-09-19	Add No. 1
2	2025-09-30	Add No. 2

**Sheet Info:**  
REFLECTED CEILING PLAN

Drawn By: SE/Coady  
Checked By: DGC  
Commission: 025-2125  
Date: 2025-09-11

**A121**

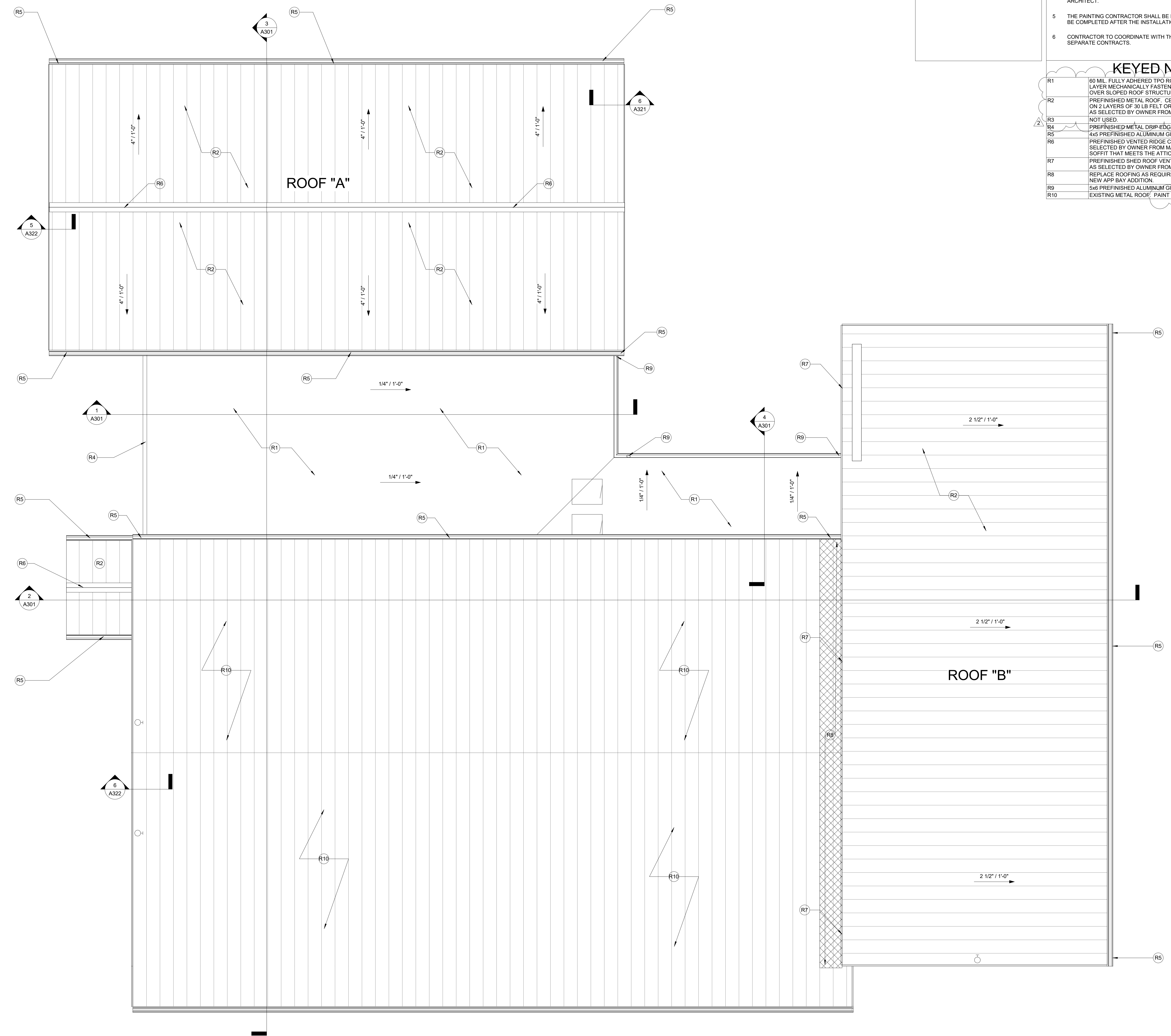
**ROOF PLAN GENERAL NOTES**

- 1 ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
- 2 REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DOCUMENTS FOR ADDITIONAL INFORMATION.
- 3 INFORMATION SHOWN IN LIGHT LINE WORK IS EXISTING CONSTRUCTION.
- 4 THE DRAWINGS GENERALLY INDICATE THE EXTENT AND CHARACTERISTICS OF EXISTING MATERIALS AND SYSTEMS. THE CONTRACTOR SHALL VISIT THE SITE AND FACILITY TO DETERMINE THE EXISTING CONDITIONS INVOLVED IN AND EXECUTED BY THE WORK INDICATED BY ALL CONTRACT DOCUMENTS. THE CONTRACTOR'S FAILURE TO REASONABLY DETERMINE AND/OR ANTICIPATE THE EFFECT OF EXISTING CONDITIONS AND THE WORK INVOLVED SHALL NOT BE JUSTIFICATION FOR ADDITIONAL COMPENSATION. REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- 5 THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
- 6 CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.

**ATTIC VENTILATION REQUIREMENTS:**  
**ROOF "A":**  
 1445 S.F. UNDER VENTILATED ROOF  
 1445/150 = 9.63 S.F. x 144 = 1,387 SQ. IN.  
 1387 / 2 = 694 SQ. IN HIGH / 694 SQ. IN LOW  
**ROOF "B":**  
 1488 S.F. UNDER VENTILATED ROOF  
 1488/150 = 9.92 S.F. x 144 = 1,429 SQ. IN.  
 1429 / 2 = 714 SQ. IN HIGH / 714 SQ. IN LOW

**KEYED NOTES - ROOF PLAN**

- R1 60 MIL FULLY ADHERED TPO ROOFING MEMBRANE OVER 2 LAYERS OF R-15 POLYISO INSULATION (BOTTOM LAYER MECHANICALLY FASTENED, TOP LAYER ADHERED - STAGGER JOINTS) OVER PLYWOOD SHEATHING OVER SLOPED ROOF STRUCTURE. REFER TO STRUCTURAL AND MEP DOCUMENTS.
- R2 PREFINISHED METAL ROOF, CENTRAL STATES, PANEL-LOC PLUS "PRIME" PANELS, OR APPROVED EQUAL, ON 2 LAYERS OF 30 LB FELT OR HIGH TEMPERATURE SYNTHETIC UNDERLAYMENT ON SHEATHING. COLOR AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
- R3 NOT USED.
- R4 PREFINISHED METAL DRIP EDGE.
- R5 4x5 PREFINISHED ALUMINUM GUTTER AND 3/4" DOWNSPOUTS.
- R6 PREFINISHED VENTED RIDGE CAP, MANUFACTURER'S STANDARD VENTED RIDGE CAP. COLOR AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE. PROVIDE VENTED RIDGE VENT AND VENTED SOFFIT THAT MEETS THE ATTIC VENTILATION REQUIREMENTS.
- R7 PREFINISHED SHED ROOF VENTED RIDGE CAP, MANUFACTURER'S STANDARD VENTED RIDGE CAP. COLOR AS SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
- R8 REPLACE ROOFING AS REQUIRED TO MATCH EXISTING DUE TO REMOVAL OF EXISTING HOSE TOWER AND NEW APP BAY ADDITION.
- R9 5/8" PREFINISHED ALUMINUM GUTTER AND 3/4" DOWNSPOUTS.
- R10 EXISTING METAL ROOF, PAINT TO MATCH NEW METAL ROOFING.



1 EXISTING ROOF PLAN  
 A141 1/4" = 1'-0"

**Revisions:**

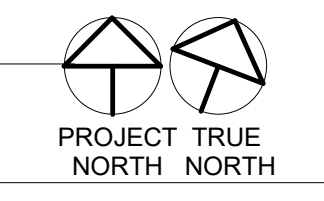
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2	2025-09-30	Add No. 2

**Sheet Info:**

ROOF PLAN	
Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-11

**A141**

**WCFPD - Station 3**  
**Wright City Fire Protection District**  
 9 Highway WW Wright City, MO



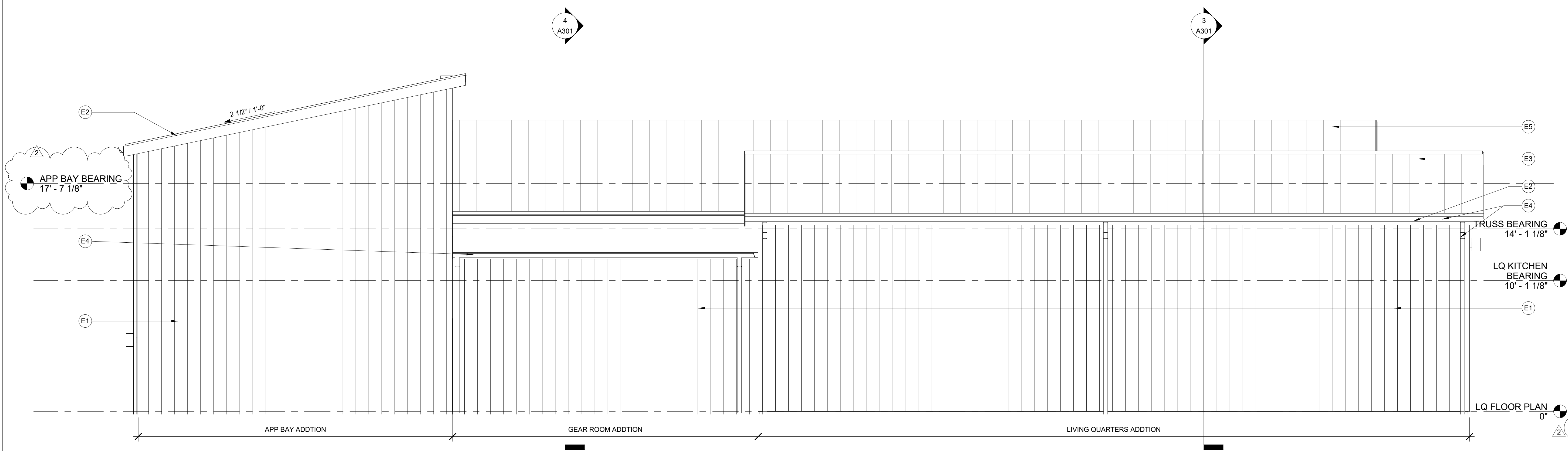
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**EXTERIOR ELEVATION GENERAL NOTES**

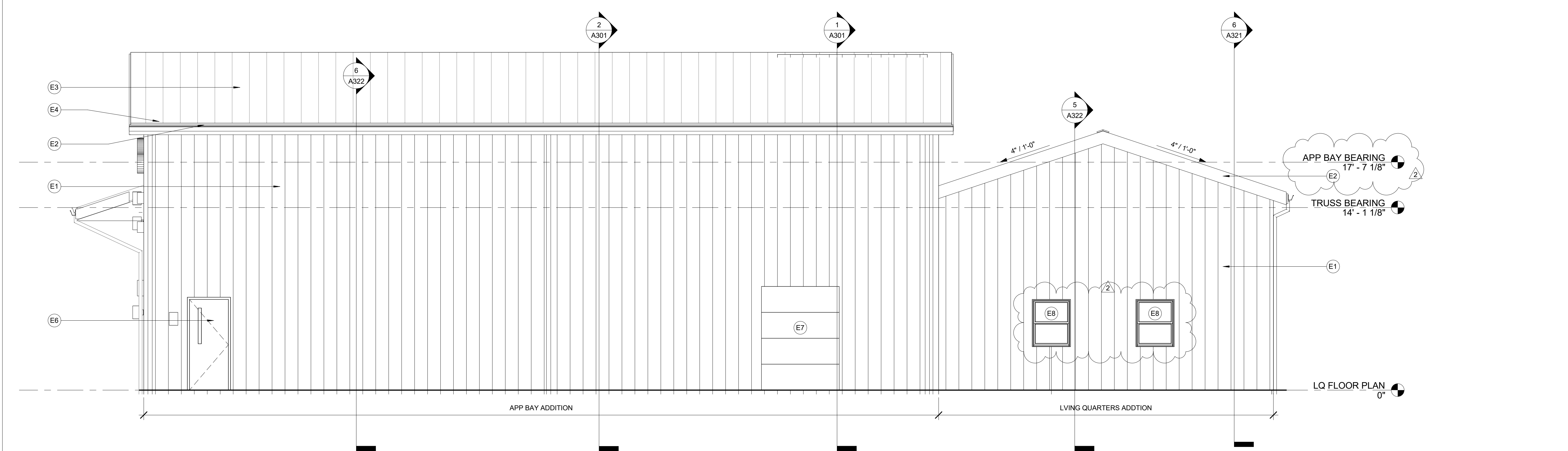
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS FOR ADDITIONAL INFORMATION.
3. EXTERIOR WALL DIMENSIONS ARE FROM FACE OF FOUNDATION/SHEATHING.
4. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
5. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS AND TO PROVIDE FOR THE TIMELY INSTALLATION OF EQUIPMENT, PIPING, ETC.
6. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.

**KEYED NOTES - EXTERIOR ELEVATIONS**

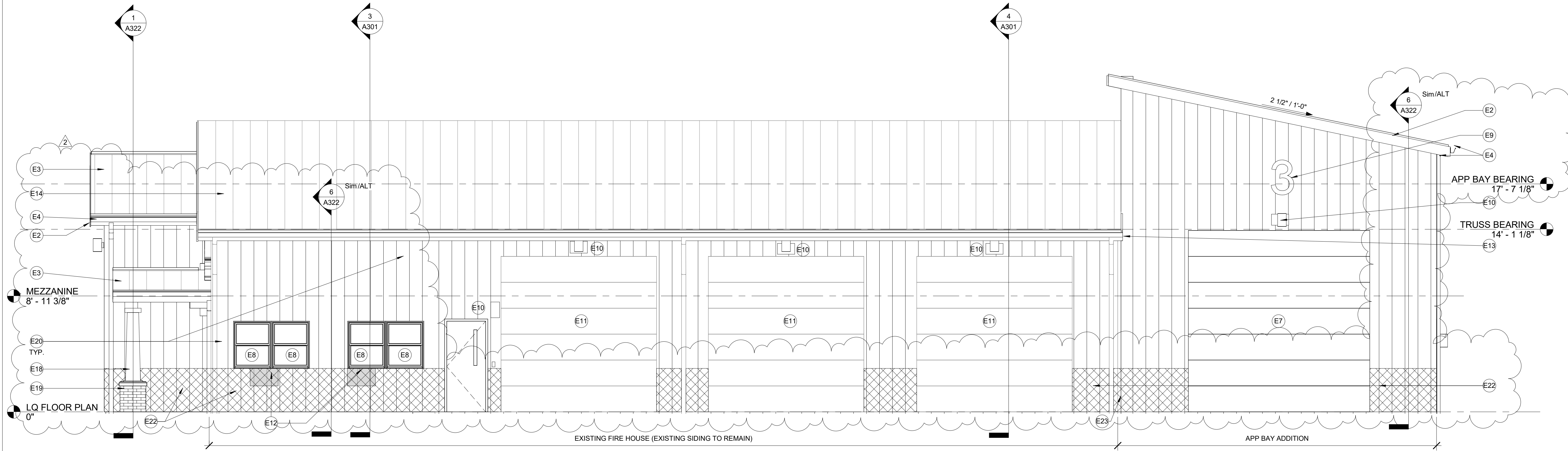
- E1 PRE-FINISHED METAL SIDING, COLOR AS SELECTED BY OWNER.
- E2 WRAPPED PRE-FINISHED METAL FASCIA.
- E3 STANDING SEAM METAL ROOFING TO MATCH EXISTING.
- E4 PRE-FINISHED ALUMINUM GUTTER AND DOWNSPOUTS. REFER TO ROOF PLAN FOR SIZES.
- E5 EXISTING ROOF, BEYOND, PAINT TO MATCH NEW ADDITION ROOFING COLOR AS SELECTED BY OWNER.
- E6 INSULATED METAL ENTRANCE DOOR. REFER TO DOOR SCHEDULE, SHEET A601.
- E7 NEW INSULATED OVERHEAD DOOR. REFER TO DOOR SCHEDULE, SHEET A601.
- E8 NEW WINDOW. REFER TO FLOOR PLAN AND WINDOW TYPES.
- E9 BACK LIT SIGNAGE. REFER TO SIGNAGE ALLOWANCE.
- E10 NEW LIGHT FIXTURE. REFER TO ELECTRICAL DOCUMENTS.
- E11 EXISTING OVERHEAD DOOR TO REMAIN.
- E12 REPAIR EXISTING SIDING AT NEW WINDOWS. INSTALL SALVAGED SIDING AT REMOVED WINDOW LOCATIONS. INSTALL FULL HEIGHT PIECES.
- E13 MODIFY EXISTING GUTTER AND FASCIA AS REQUIRED FOR SHORTENED SOFFIT. PROVIDE NEW FINISHED AND DRIP AS REQUIRED ON NEW END.
- E14 EXISTING STANDING SEAM ROOF TO REMAIN. PAINT TO MATCH NEW ADDITION ROOF COLOR. COLOR AS SELECTED BY OWNER.
- E15 SIGNAGE. REFER TO SIGNAGE ALLOWANCE.
- E16 NEW APP BAY ADDITION, BEYOND.
- E17 PRE-FINISHED METAL DRIP EDGE.
- E18 CEMENT BOARD COLUMN COVER. REFER TO SECTIONS.
- E19 BRICK VENEER COLUMN BASE WITH CAST STONE CAP. REFER TO SECTIONS.
- E20 PAINT EXISTING METAL SIDING TO MATCH NEW ADDITION SIDING, COLOR AS SELECTED BY OWNER.
- E21 PROVIDE 4" HIGH (MINIMUM) ADDRESS NUMBERS ABOVE THE ENTRANCE DOOR.
- E22 ALTERNATE: AT CROSS HATCHED AREAS PROVIDE BRICK. ON THE WEST AND SOUTH SIDES OF THE NORTH ADDITION, THE ALTERNATE IS FOR FULL HEIGHT BRICK VENEER. REFER TO TYPICAL WALL SECTION S/A322. ON THE WEST AND SOUTH SIDES OF THE EXISTING BUILDING AND THE SOUTH SIDE OF THE NEW EAST APP BAY ADDITION, INSTALL ADHERED THIN BRICK TO MATCH THE BRICK VENEER. REFER TO WALL SECTION B/A322. REFER TO THE ALTERNATED SPEC SECTION.
- E23 EXPANSION JOINT BETWEEN THE EXISTING BUILDING AND THE NEW ADDITION. SIKA SEISMIC COLORSEAL OR APPROVED EQUAL.



**2 NORTH ELEVATION**  
A201  
1/4" = 1'-0"



**1 EAST ELEVATION**  
A201  
1/4" = 1'-0"



**3 SOUTH ELEVATION**  
A201  
1/4" = 1'-0"

**Revisions:**

No.	Date:	Description:
2	2025-09-30	Add No. 2

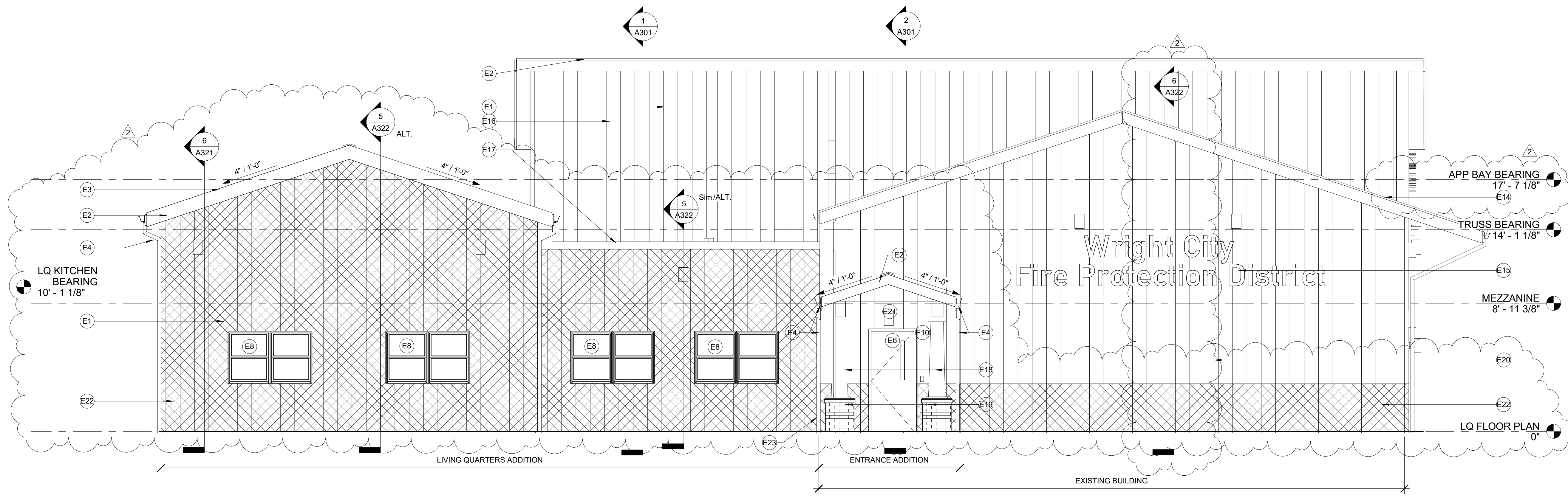
**Sheet Info:**

EXTERIOR ELEVATIONS

Drawn By: \_\_\_\_\_ Author  
Checked By: \_\_\_\_\_ Checker  
Commission: 025-2125  
Date: 2025-09-11

**A201**

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2 WEST ELEVATION  
A202 1/4" = 1'-0"

**EXTERIOR ELEVATION GENERAL NOTES**

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS FOR ADDITIONAL INFORMATION.
3. EXTERIOR WALL DIMENSIONS ARE FROM FACE OF FOUNDATION/SHEATHING.
4. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
5. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS AND TO PROVIDE FOR THE TIMELY INSTALLATION OF EQUIPMENT, PIPING, ETC.
6. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.

**KEYED NOTES - EXTERIOR ELEVATIONS**

- E1 PRE-FINISHED METAL SIDING, COLOR AS SELECTED BY OWNER.
- E2 WRAPPED PRE-FINISHED METAL FASCIA.
- E3 STANDING SEAM METAL ROOFING TO MATCH EXISTING.
- E4 PRE-FINISHED ALUMINUM GUTTER AND DOWNSPOUTS. REFER TO ROOF PLAN FOR SIZES.
- E5 EXISTING ROOF, BEYOND, PAINT TO MATCH NEW ADDITION ROOFING COLOR AS SELECTED BY OWNER.
- E6 INSULATED METAL ENTRANCE DOOR. REFER TO DOOR SCHEDULE, SHEET A601.
- E7 NEW INSULATED OVERHEAD DOOR. REFER TO DOOR SCHEDULE, SHEET A601.
- E8 NEW WINDOW. REFER TO FLOOR PLAN AND WINDOW TYPES.
- E9 BACK LIT SIGNAGE. REFER TO SIGNAGE ALLOWANCE.
- E10 NEW LIGHT FIXTURE. REFER TO ELECTRICAL DOCUMENTS.
- E11 EXISTING OVERHEAD DOOR TO REMAIN.
- E12 REPAIR EXISTING SIDING AT NEW WINDOWS. INSTALL SALVAGED SIDING AT REMOVED WINDOW LOCATIONS. INSTALL FULL HEIGHT PIECES.
- E13 MODIFY EXISTING GUTTER AND FASCIA AS REQUIRED FOR SHORTENED SOFFIT. PROVIDE NEW FINISHED AND DRIP AS REQUIRED ON NEW END.
- E14 EXISTING STANDING SEAM ROOF TO REMAIN. PAINT TO MATCH NEW ADDITION ROOF COLOR. COLOR AS SELECTED BY OWNER.
- E15 SIGNAGE. REFER TO SIGNAGE ALLOWANCE.
- E16 NEW APP BAY ADDITION, BEYOND.
- E17 PRE-FINISHED METAL DRIP EDGE.
- E18 CEMENT BOARD COLUMN COVER. REFER TO SECTIONS.
- E19 BRICK VENEER COLUMN BASE WITH CAST STONE CAP. REFER TO SECTIONS.
- E20 PAINT EXISTING METAL SIDING TO MATCH NEW ADDITION SIDING. COLOR AS SELECTED BY OWNER.
- E21 PROVIDE 4" HIGH (MINIMUM) ADDRESS NUMBERS ABOVE THE ENTRANCE DOOR.
- E22 ALTERNATE: AT CROSS HATCHED AREAS PROVIDE BRICK. ON THE WEST AND SOUTH SIDES OF THE NORTH ADDITION, THE ALTERNATE IS FOR FULL HEIGHT BRICK VENEER. REFER TO TYPICAL WALL SECTION S/A322. ON THE WEST AND SOUTH SIDES OF THE EXISTING BUILDING AND THE SOUTH SIDE OF THE NEW EAST APP BAY ADDITION, INSTALL ADHERED THIN BRICK TO MATCH THE BRICK VENEER. REFER TO WALL SECTION B/A322. REFER TO THE ALTERNATED SPEC SECTION.
- E23 EXPANSION JOINT BETWEEN THE EXISTING BUILDING AND THE NEW ADDITION. SIKA SEISMIC COLORSEAL OR APPROVED EQUAL.

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WCFPD - Station 3  
 Wright City Fire Protection District  
 9 Highway WW Wright City, MO

**Revisions:**

No.	Date	Description
2	2025-09-30	Add No. 2

**Sheet Info:**

EXTERIOR ELEVATIONS	
Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-11

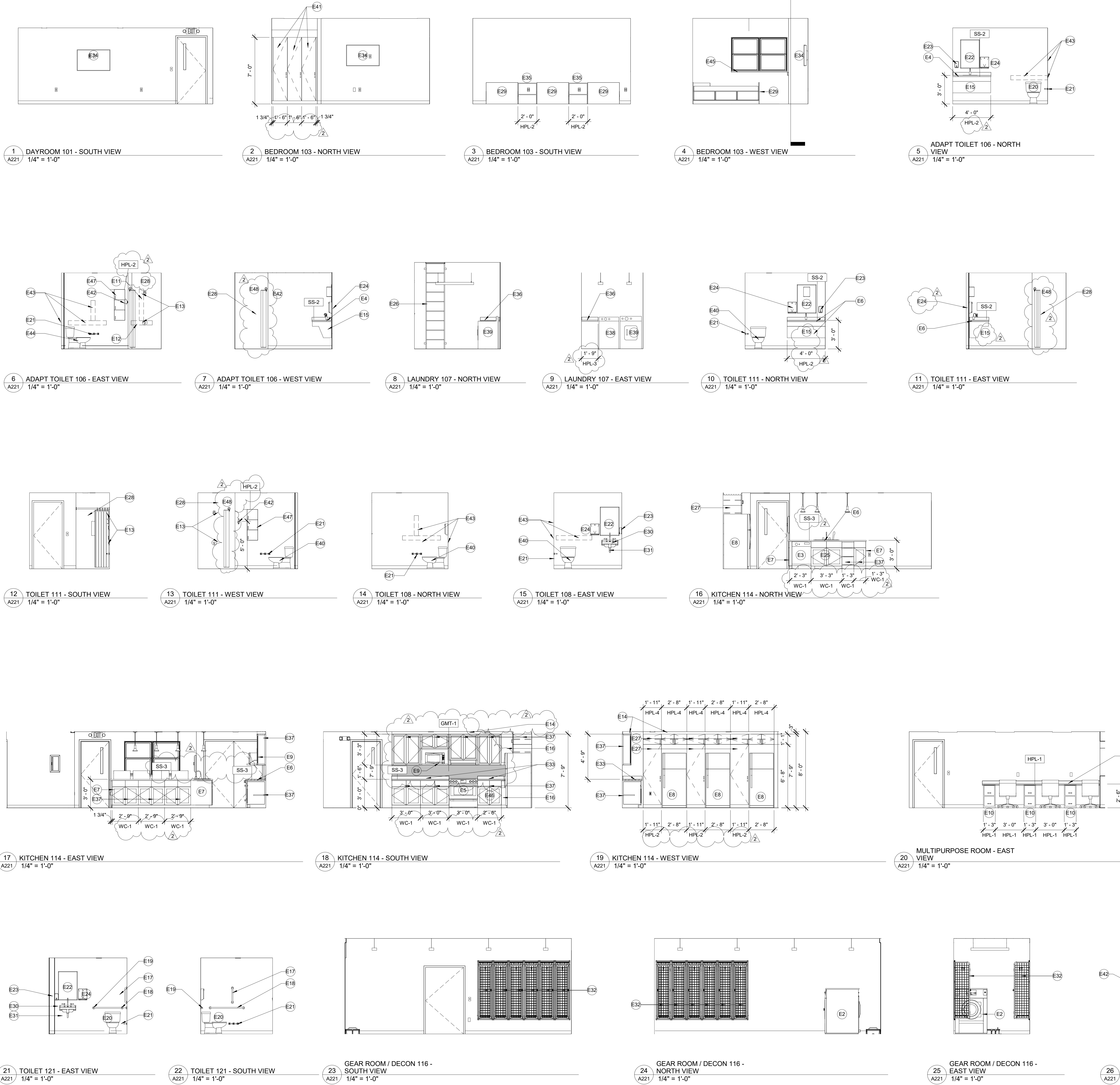
**A202**

### INTERIOR ELEVATION GENERAL NOTES

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS.
- CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO ANY FABRICATION OF MILLWORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.
- ALL MILLWORK TO BE AWI "CUSTOM GRADE".
- ALL BASE/WALL CABINETS TO HAVE PLASTIC LAMINATE FINISH UNLESS NOTED OTHERWISE. REFER TO ROOM FINISH PLAN AND LEGEND FOR COUNTERTOP FINISH.
- ALL FILE CABINETS ARE TO ACCOMMODATE FILE SIZE HANGING FILES. HANGING FILE RACK IS TO BE BUILT-IN.
- ALL OUTSIDE CORNERS OF COUNTERTOPS TO HAVE A 2" RADIUS.
- ALL BASE CABINETS AND KNEE SPACES TO HAVE VINYL BASE. PROVIDE SOLID BACKING AS REQUIRED.
- ALL BASE CABINETS TO HAVE ONE ADJUSTABLE SHELF AND ALL WALL CABINETS TO HAVE TWO ADJUSTABLE SHELVES UNLESS NOTED OTHERWISE.
- ALL CABINETS TO HAVE 4" WIRE PULLS.
- PROVIDE A 3" DIA. GROMMET WITH PLASTIC INSERT AT EACH WORK SPACE / KNEE SPACE.
- ALL OWNER PROVIDED ACCESSORIES ARE TO BE INSTALLED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE FIRE RETARDANT WOOD OR HEAVY GAUGE SHEET METAL BLOCKING FOR THE INSTALLATION OF ALL MILLWORK, TOILET ACCESSORIES, HANDRAILS, ETC. AS REQUIRED.
- PROVIDE MOLDED VINYL PIPE COVERS ON ALL EXPOSED PLUMBING AT WALL SINKS.
- ALL COUNTERTOP SUPPORT BRACKETS TO BE PAINTED TO MATCH THE WALL COLOR UNLESS OTHERWISE NOTED.
- REFER TO THE EQUIPMENT SCHEDULE FOR SOAP DISPENSERS, PAPER TOWEL DISPENSERS AND OTHER WALL MOUNTED EQUIPMENT/ACCESSORIES.
- ALL COUNTERTOPS ARE TO HAVE SELF EDGE WITH COVED BACKSPLASH/ENDSPLASH.
- REFER TO SHEET A102 FOR CASEWORK DETAILS.
- ALL CABINET DOORS AND DRAWERS TO BE "SOFT CLOSE".

### KEYED NOTES - INTERIOR ELEVATIONS

- E2 GEAR EXTRACTOR. REFER TO EQUIPMENT SCHEDULE.
- E3 DISHWASHER. REFER TO EQUIPMENT SCHEDULE.
- E4 SOLID SURFACE COUNTERTOP/BACKSPLASH AND SINK. NEW FALCET/SPRAYER. REFER TO PLUMBING DOCUMENTS.
- E5 RANGE. REFER TO EQUIPMENT SCHEDULE.
- E6 SOLID SURFACE COUNTERTOP WITH UNDERMOUNT BOWL. (ROUGH IN TO ACCOMMODATE FUTURE ADA COMPLIANT SINK).
- E7 FINISHED END.
- E8 REFRIGERATOR. REFER TO EQUIPMENT SCHEDULE.
- E9 MICROWAVE SHELF
- E10 PLASTIC LAMINATE FILE CABINET
- E11 INSTALL WALL BLOCKING FOR FUTURE ADA SHOWER HEAD/SLIDE BAR.
- E12 INSTALL WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BAR. REFER TO ADA TOILET ELEVATIONS FOR ACCESSIBLE GRAB BAR LENGTH/LOCATION.
- E13 SHOWER HEAD AND CONTROL. REFER TO PLUMBING DOCUMENTS.
- E14 PROVIDE GWB SOFFIT OVER WALL CABINETS
- E15 SINK APRON. REFER TO DETAIL 3/A102.
- E16 FILLER PANEL. TYPICAL
- E17 18" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
- E18 42" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
- E19 36" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
- E20 ACCESSIBLE WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
- E21 TOILET PAPER DISPENSER - BOBRICK B-6867 OR EQUAL.
- E22 MIRROR - 24" X 36" BOBRICK B165 OR EQUAL.
- E23 SOAP DISPENSER - GLOBAL INDUSTRIAL GOJO FMX-12 (5150-06) OR EQUAL.
- E24 SURFACE MOUNTED ACCESSIBLE HEIGHT PAPER TOWEL DISPENSER. BOBRICK B262 OR EQUAL.
- E25 PROVIDE END PANEL TO ALLOW FOR REMOVABLE SINK BASE CABINET. EXTEND FLOORING INTO FUTURE KNEE SPACE. FINISH WALLS AND SIDE PANELS IN FUTURE KNOW SPACE. COUNTERTOP TO BE ADJUSTABLE TO 34" IN THE FUTURE.
- E26 ATTIC ACCESS LADDER.
- E27 PLASTIC LAMINATE PANTRY CABINETS.
- E28 SOLID SURFACE WALL PANELS IN SHOWER (ALL WALLS).
- E29 BED. REFER TO EQUIPMENT PLAN.
- E30 ACCESSIBLE WALL HUNG SINK. REFER TO PLUMBING DOCUMENTS.
- E31 INSULATING PIPE COVERINGS
- E32 GEAR LOCKER. REFER TO EQUIPMENT SCHEDULE.
- E33 SOLID SURFACE COUNTERTOP.
- E34 TV. PROVIDE BLOCKING FOR MOUNT. VERIFY FINAL LOCATION WITH OWNER.
- E35 CUSTOM BUILT 22.5" DEEP PLASTIC LAMINATE NIGHT STAND. REFER TO EQUIPMENT PLAN.
- E36 PLASTIC LAMINATE COUNTERTOP.
- E37 ARCHITECTURAL WOOD BASE AND WALL CABINETS.
- E38 WASHER. REFER TO EQUIPMENT SCHEDULE.
- E39 DRYER. REFER TO EQUIPMENT SCHEDULE.
- E40 WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
- E41 18"W x 72"H x 18"D METAL SINGLE TIER LOCKERS. PROVIDE COMPARTMENT SHELF, END BASES, FRONT BASES, RECESSED HASP, NAME/NUMBER PLATES, AND COMBINATION LOCK. COLOR: GRAY.
- E42 TOWEL/ROBE HOOK. PROVIDE BLOCKING AS REQUIRED. BOBRICK B6827 OR EQUAL.
- E43 INSTALL WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS.
- E44 WATER CLOSET (ROUGH IN TO ACCOMMODATE FUTURE ADA COMPLIANT TOILET).
- E45 SOLID SURFACE WINDOW SILL AT ALL WINDOWS. (1" THICK. EXTEND 1/2" BEYOND WINDOW JAMB.)
- E46 PROVIDE END PANEL TO ALLOW FOR REMOVABLE BASE CABINET. EXTEND FLOORING INTO FUTURE KNEE SPACE. FINISH WALLS AND SIDE PANELS IN FUTURE KNOW SPACE. COUNTERTOP TO BE ADJUSTABLE TO 34" IN THE FUTURE.
- E47 RECESSED CUSTOM 6" DEEP, 3 CUBBY PLASTIC LAMINATE TOILETRY SHELF WITH INDIVIDUAL DOORS. DOORS TO HAVE PUSH MAGNETIC LATCHES. EACH SHELF TO HAVE 12" WIDE X 12" TALL CLEARANCE. DOORS TO OPEN TO THE WIDE SIDE OF THE ROOM. EXPOSED EXTERIOR FINISH TO BE PLASTIC LAMINATE. INTERIOR TO BE WHITE MELAMINE.
- E48 SHOWER ROD AND CURTAIN.



WCFPD - Station 3  
 Wright City Fire Protection District  
 9 Highway WW Right City, MO

Revisions:

No.	Date:	Description:
1	2025-09-19	Add No. 1
2	2025-09-30	Add No. 2

Sheet Info:

INTERIOR ELEVATIONS

Drawn By: SE/Coody  
 Checked By: DGC  
 Commission: 025-2125  
 Date: 2025-09-11

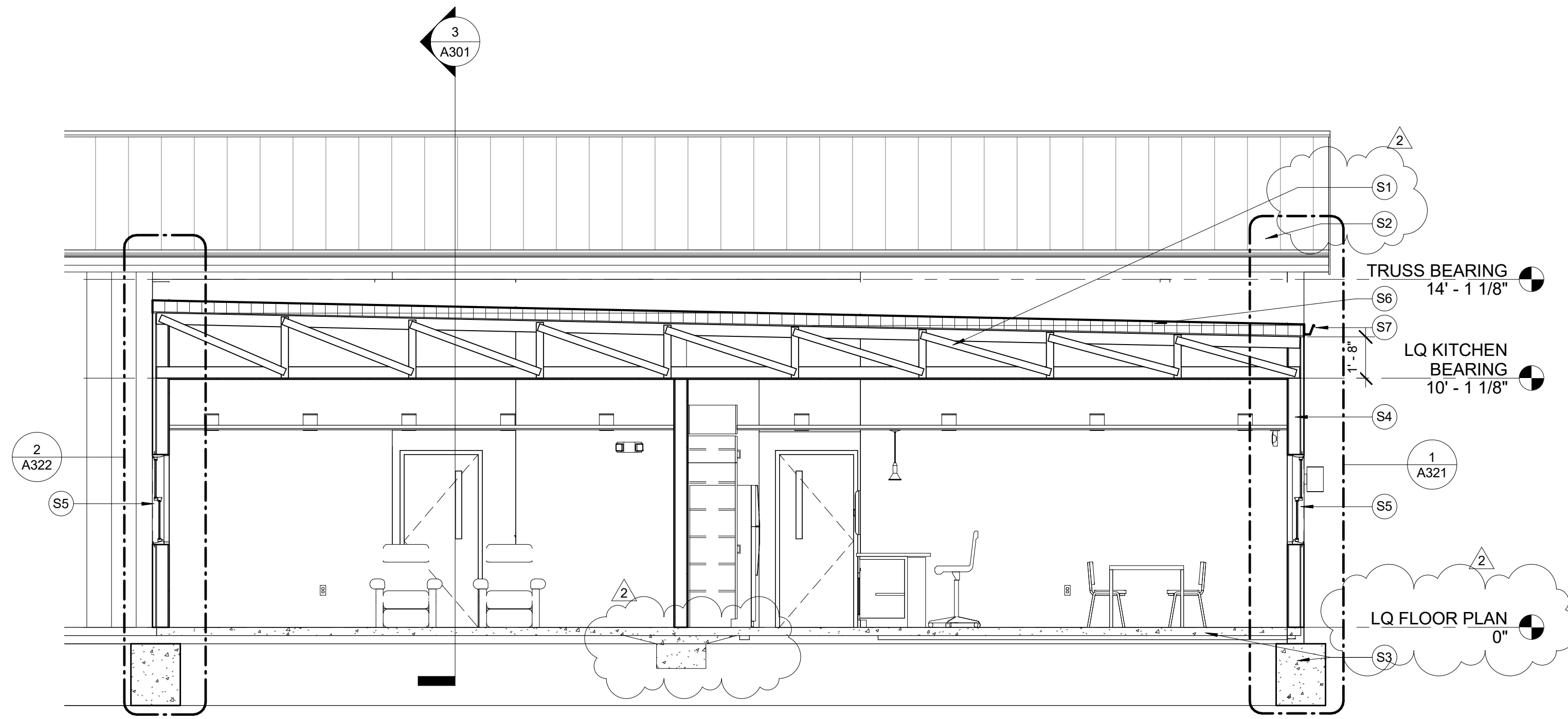
A221

**BUILDING SECTION GENERAL NOTES**

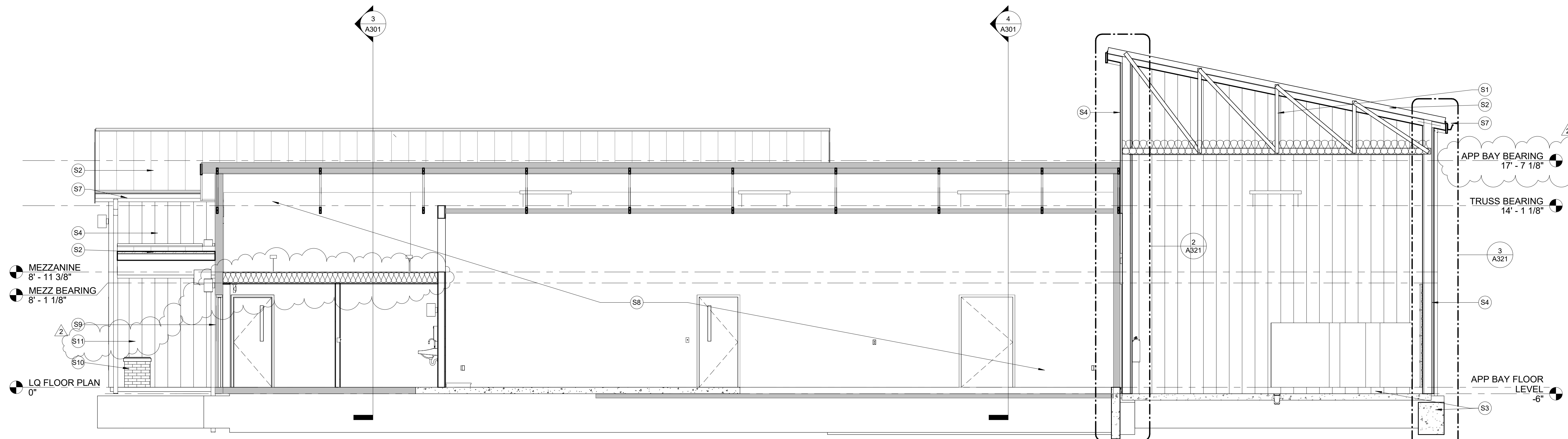
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS FOR ADDITIONAL INFORMATION.
3. EXTERIOR WALL DIMENSIONS ARE FROM FACE OF MASONRY.
4. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
5. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS AND TO PROVIDE FOR THE TIMELY INSTALLATION OF EQUIPMENT, PIPING, ETC.
6. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.

**KEYED NOTES - BUILDING SECTIONS**

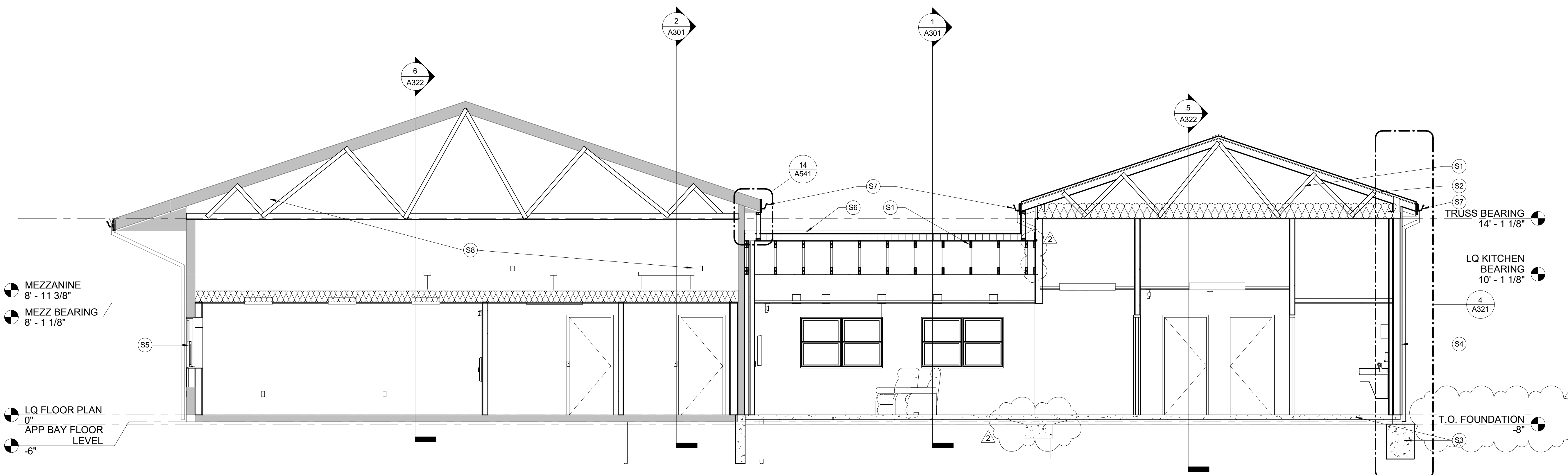
- S1 PRE-ENGINEERED WOOD TRUSSES. REFER TO STRUCTURAL DOCUMENTS.
- S2 METAL ROOF PANELS TO MATCH EXISTING. REFER TO ROOF PLAN.
- S3 CONCRETE FOUNDATION AND FLOOR SLAB. REFER TO STRUCTURAL DOCUMENTS.
- S4 NEW METAL WALL PANELS. COLOR TO BE SELECTED.
- S5 WINDOW. REFER TO FLOOR PLAN, ELEVATIONS AND WINDOW TYPES.
- S6 SINGLE PLY MEMBRANE ROOFING OVER INSULATION AND DECK. REFER TO ROOF PLAN.
- S7 GLITTER AND DOWNSPOUT. REFER TO ROOF PLAN.
- S8 EXISTING BUILDING.
- S9 DOOR. REFER TO FLOOR PLAN AND DOOR TYPES.
- S10 BRICK VENEER. REFER TO ELEVATIONS AND WALL SECTIONS.
- S11 CEMENT BOARD COLUMN COVER. REFER TO SECTIONS.



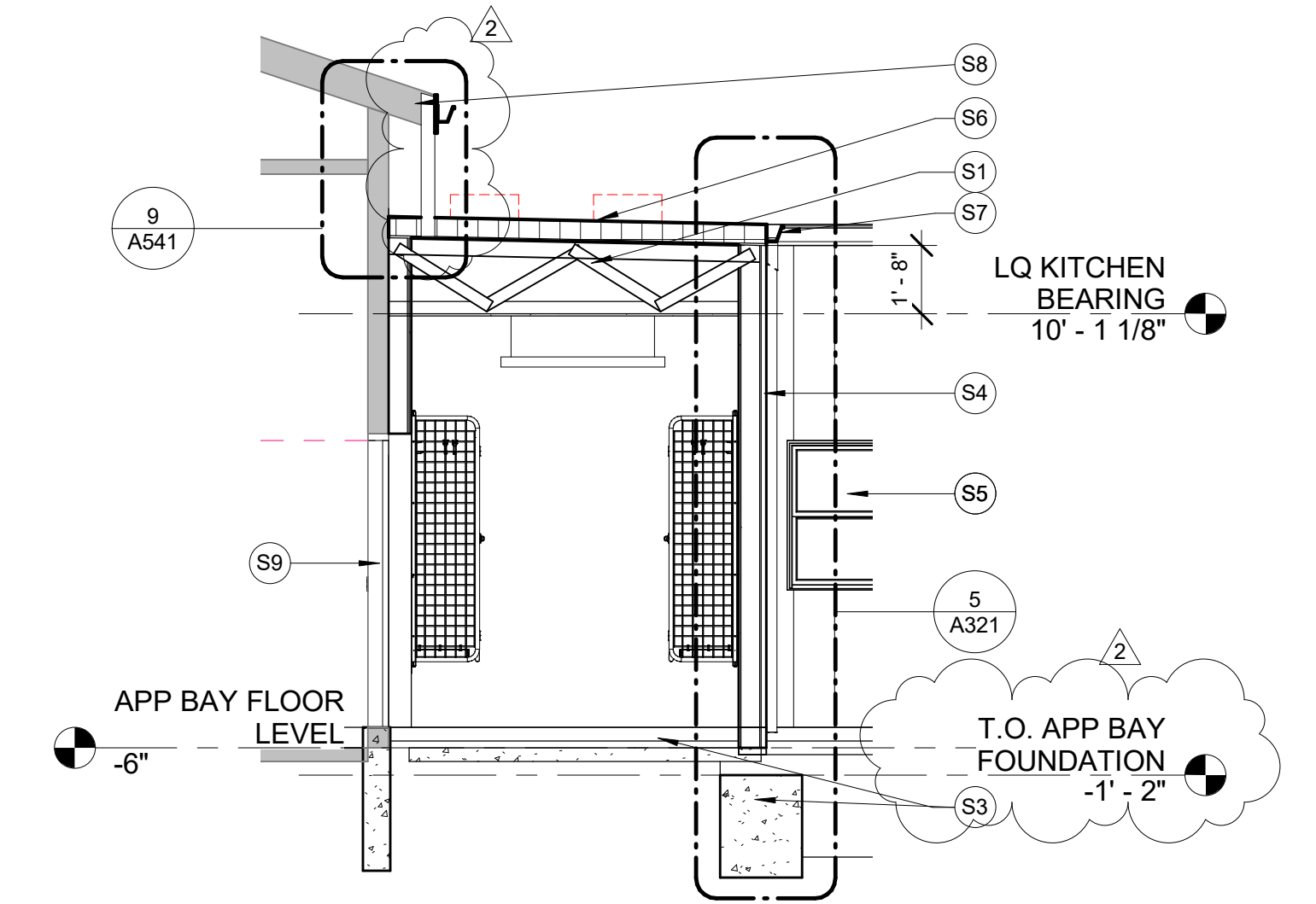
**1 BUILDING SECTION 1**  
A301 1/4" = 1'-0"



**2 BUILDING SECTION 2**  
A301 1/4" = 1'-0"



**3 BUILDING SECTION 3**  
A301 1/4" = 1'-0"



**4 BUILDING SECTION 4**  
A301 1/4" = 1'-0"

**Revisions:**

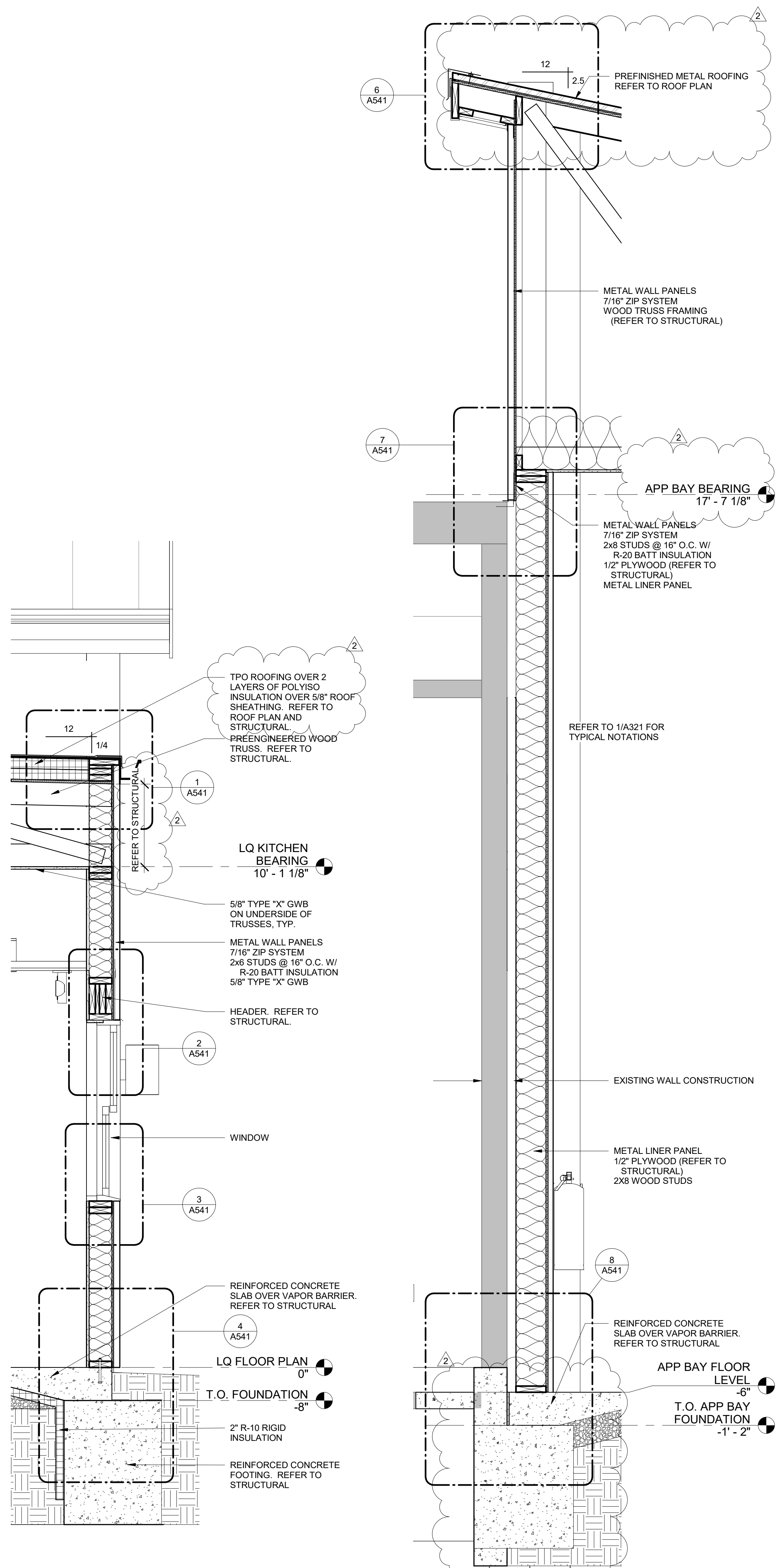
No.	Date:	Description:
2	2025-09-30	ADD No. 2

**Sheet Info:**

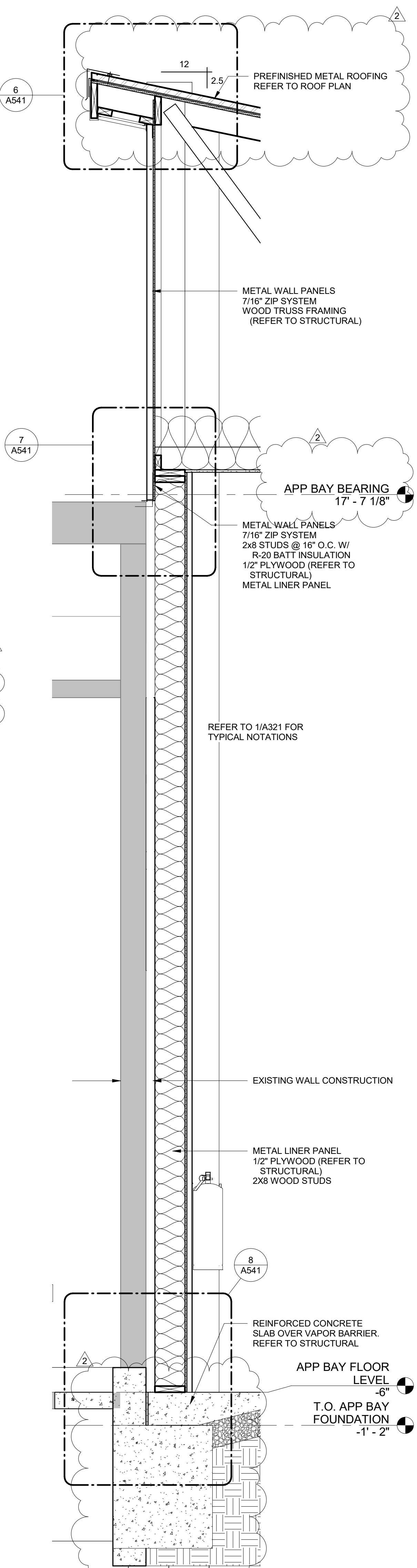
BUILDING SECTIONS	
Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-11

9/30/2025 3:21:16 PM

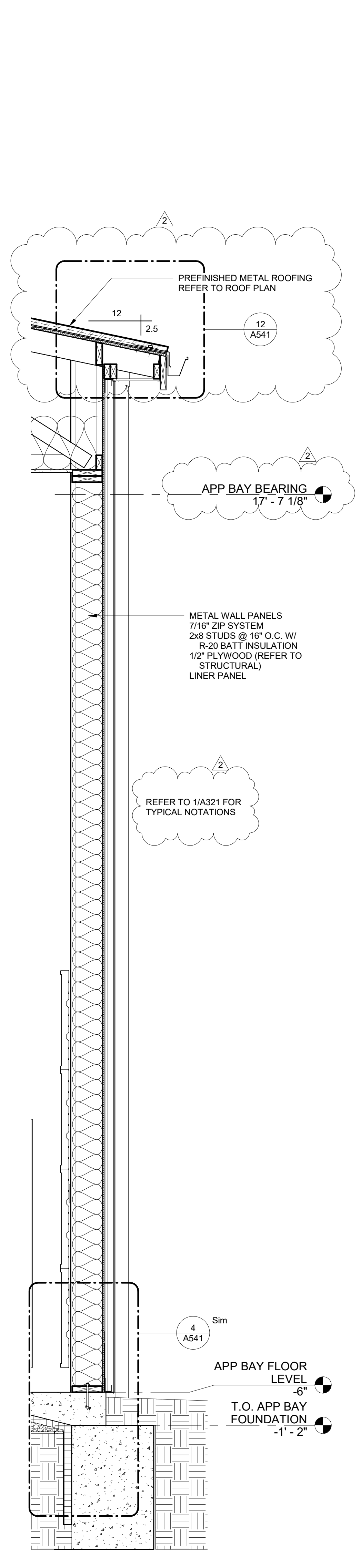
ALL NEW EXTERIOR WALLS ARE TO HAVE FIRE BLOCKING AT MAXIMUM INTERVALS OF 20' IN EITHER DIMENSION AND LIMITING EACH CONCEALED SPACE TO LESS THAN 100 SF.



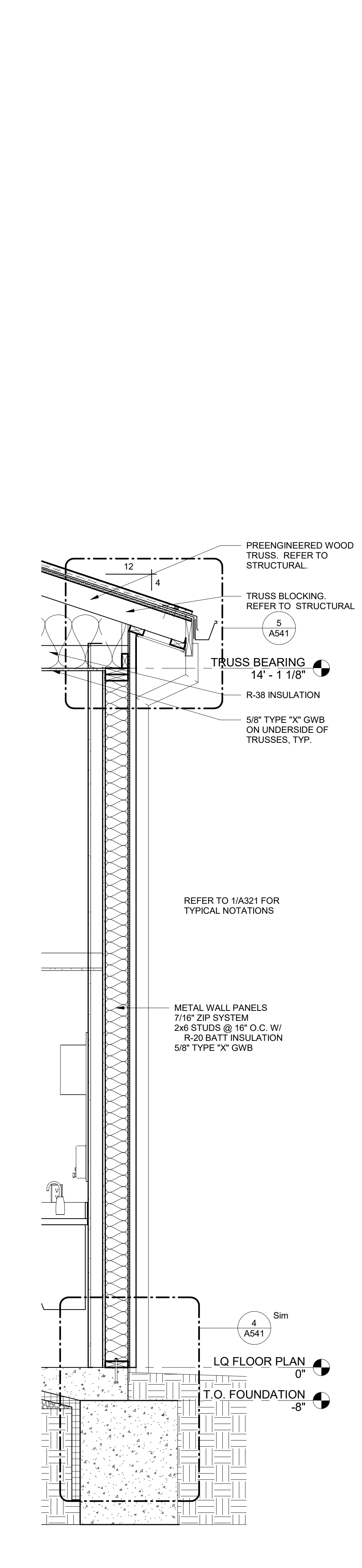
1 WALL SECTION 1/A321  
A321 3/4" = 1'-0"



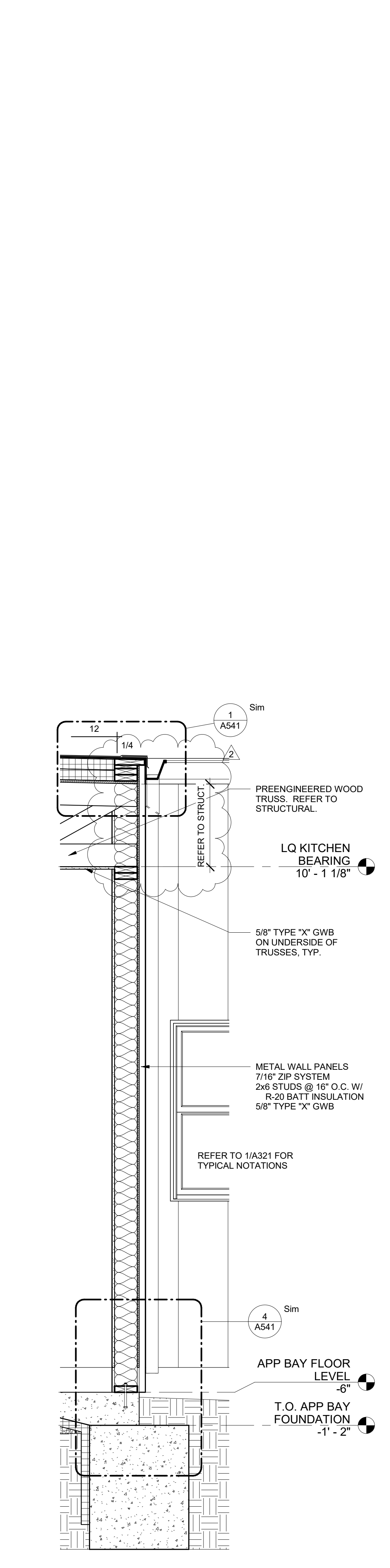
2 WALL SECTION 2/A321  
A321 3/4" = 1'-0"



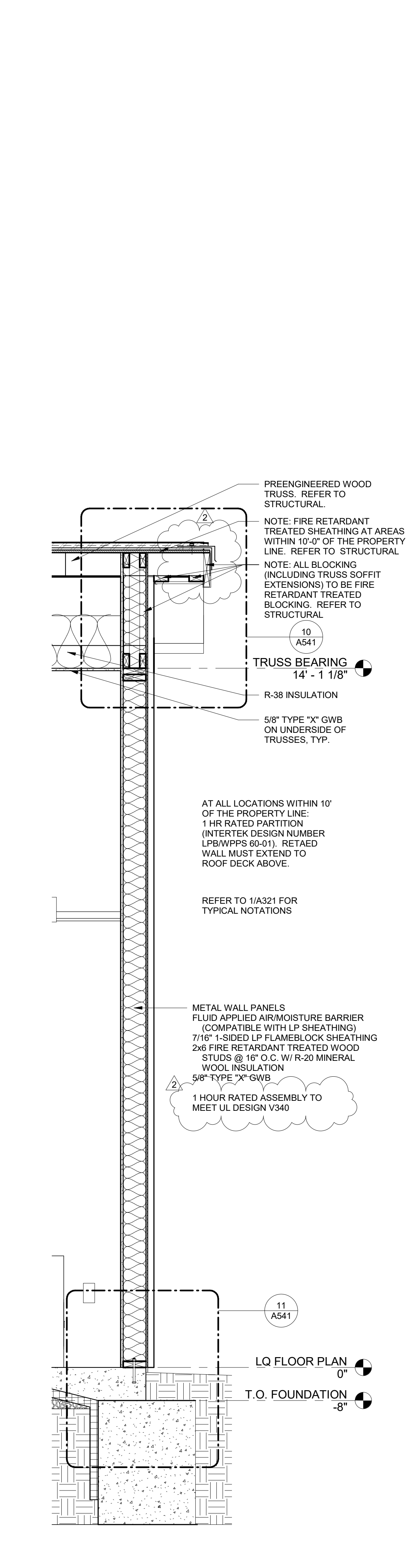
3 WALL SECTION 3/A321  
A321 3/4" = 1'-0"



4 WALL SECTION 4/A321  
A321 3/4" = 1'-0"



5 WALL SECTION 5/A321  
A321 3/4" = 1'-0"



6 WALL SECTION 6/A321  
A321 3/4" = 1'-0"

**WCFPD - Station 3**  
**Wright City Fire Protection District**  
**9 Highway WW Right City, MO**

Revisions:

No.	Date	Description
2	2025-09-30	Add No. 2

Sheet Info:

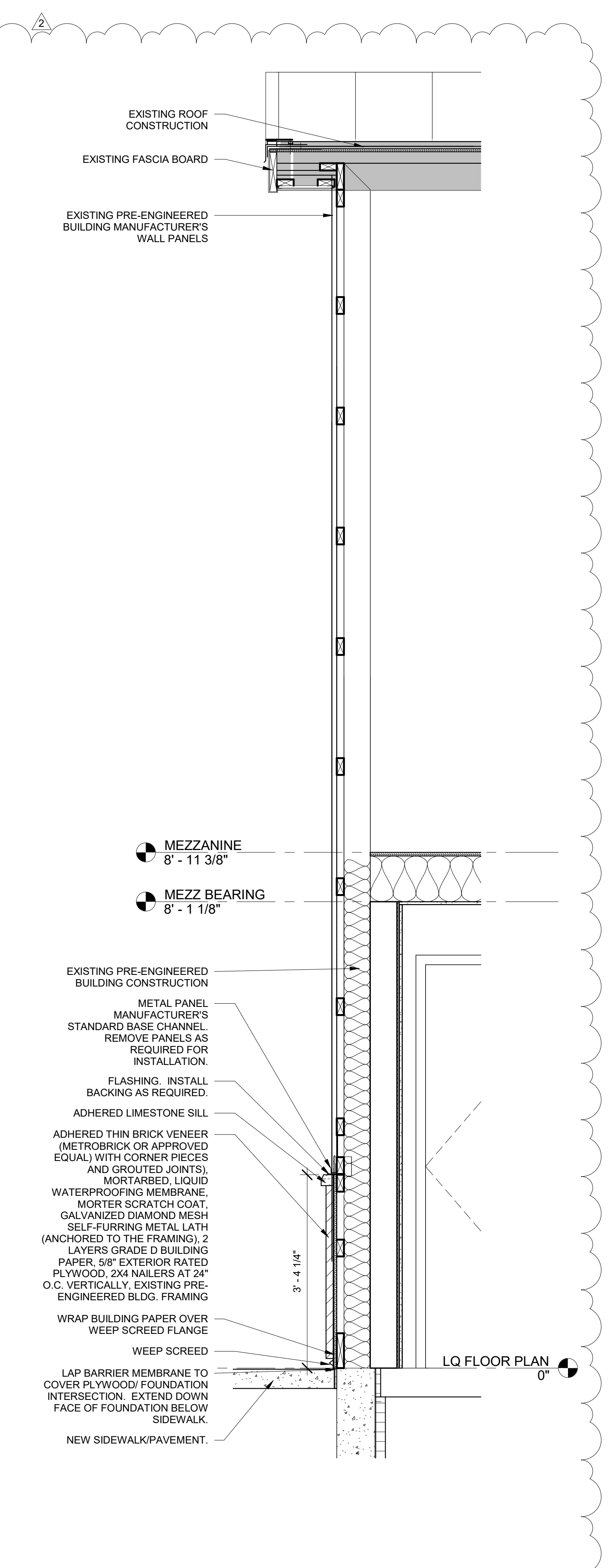
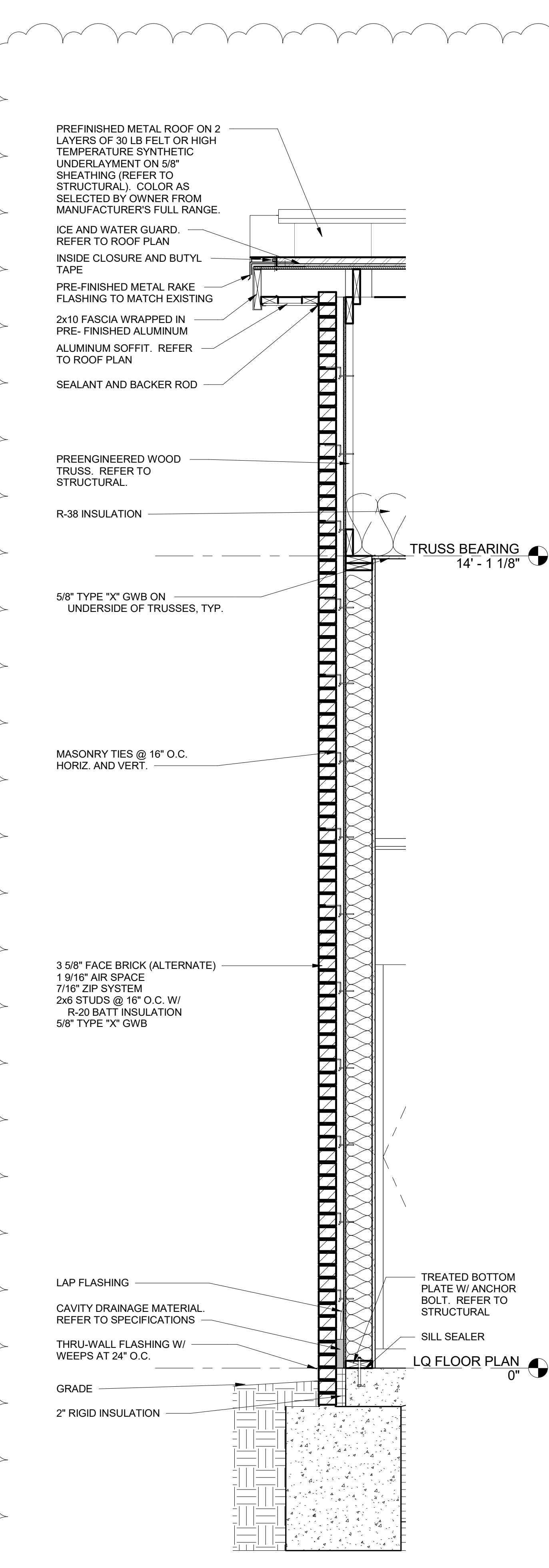
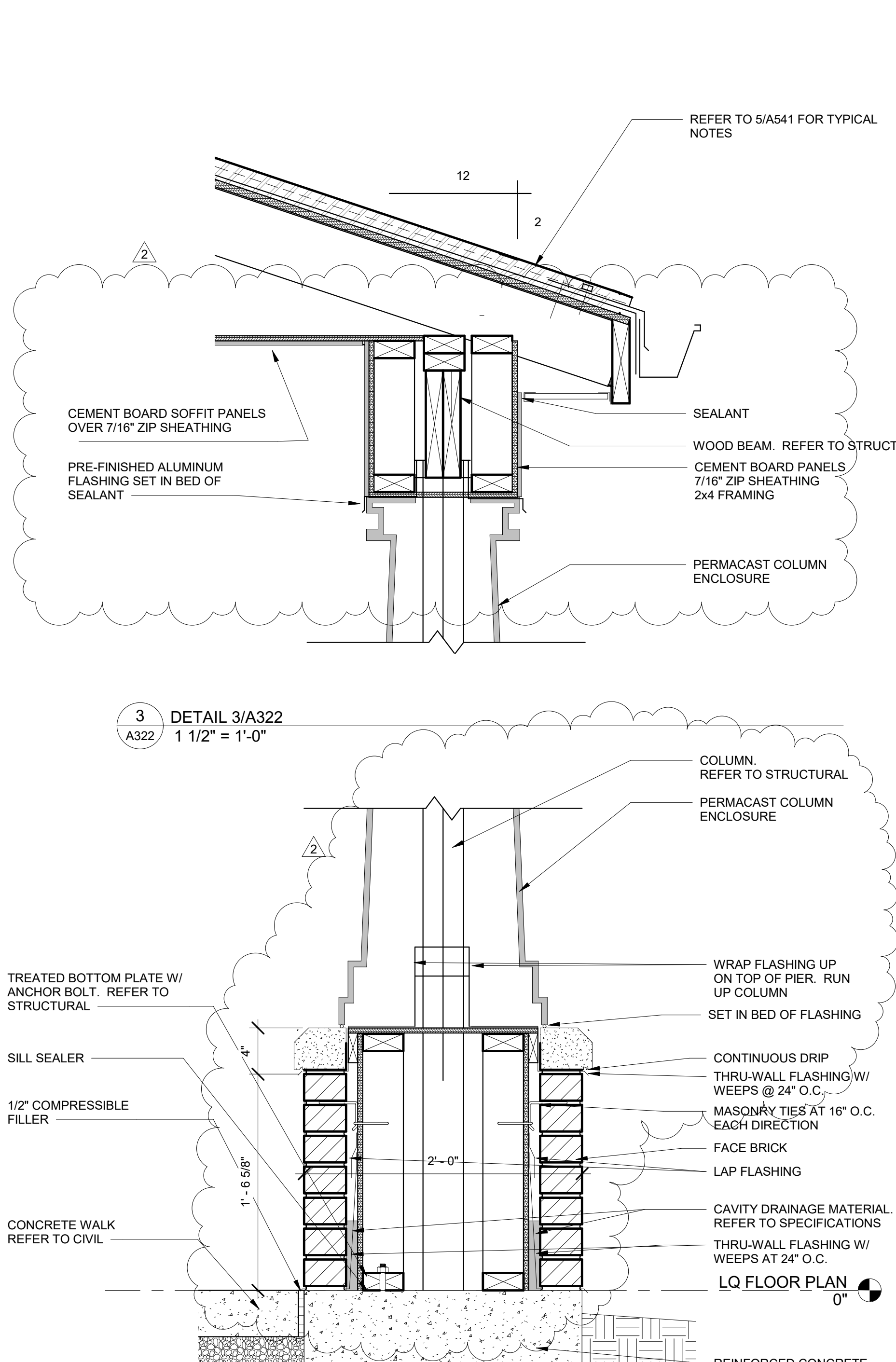
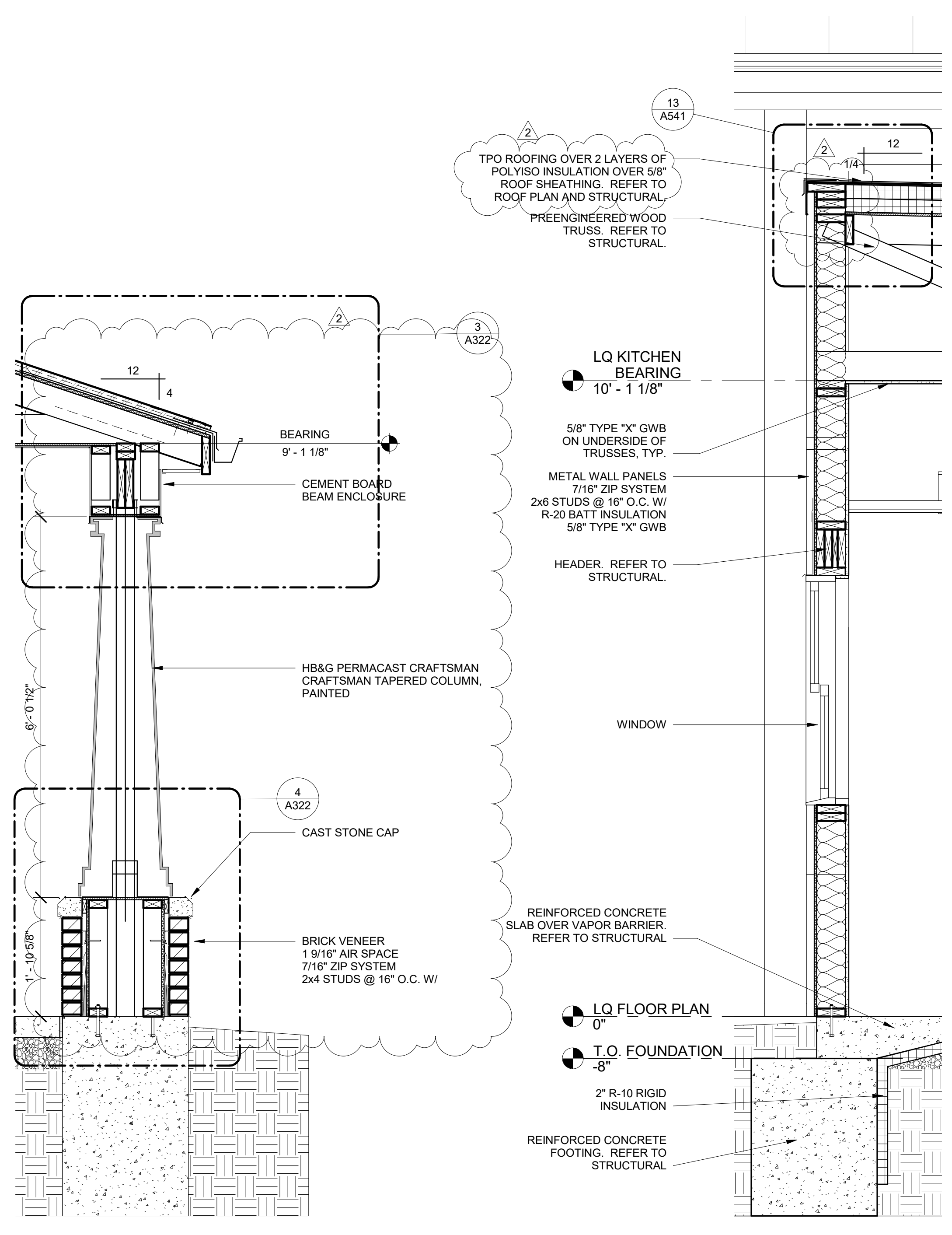
WALL SECTIONS

Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-11

**A321**

9/30/2025 3:21:17 PM

ALL NEW EXTERIOR WALLS ARE TO HAVE FIRE BLOCKING AT MAXIMUM INTERVALS OF 20' IN EITHER DIMENSION AND LIMITING EACH CONCEALED SPACE TO LESS THAN 100 SF.



9/30/2025 3:21:18 PM

1 WALL SECTION 1/A322  
A322 3/4" = 1'-0"

2 WALL SECTION 2/A322  
A322 3/4" = 1'-0"

4 DETAIL 4/A322  
A322 1 1/2" = 1'-0"

5 ALTERNATE - FULL HEIGHT BRICK VENEER FINISH  
A322 3/4" = 1'-0"

6 ALTERNATE - TYPICAL THIN BRICK WAINGSCOT SECTION  
A322 3/4" = 1'-0"

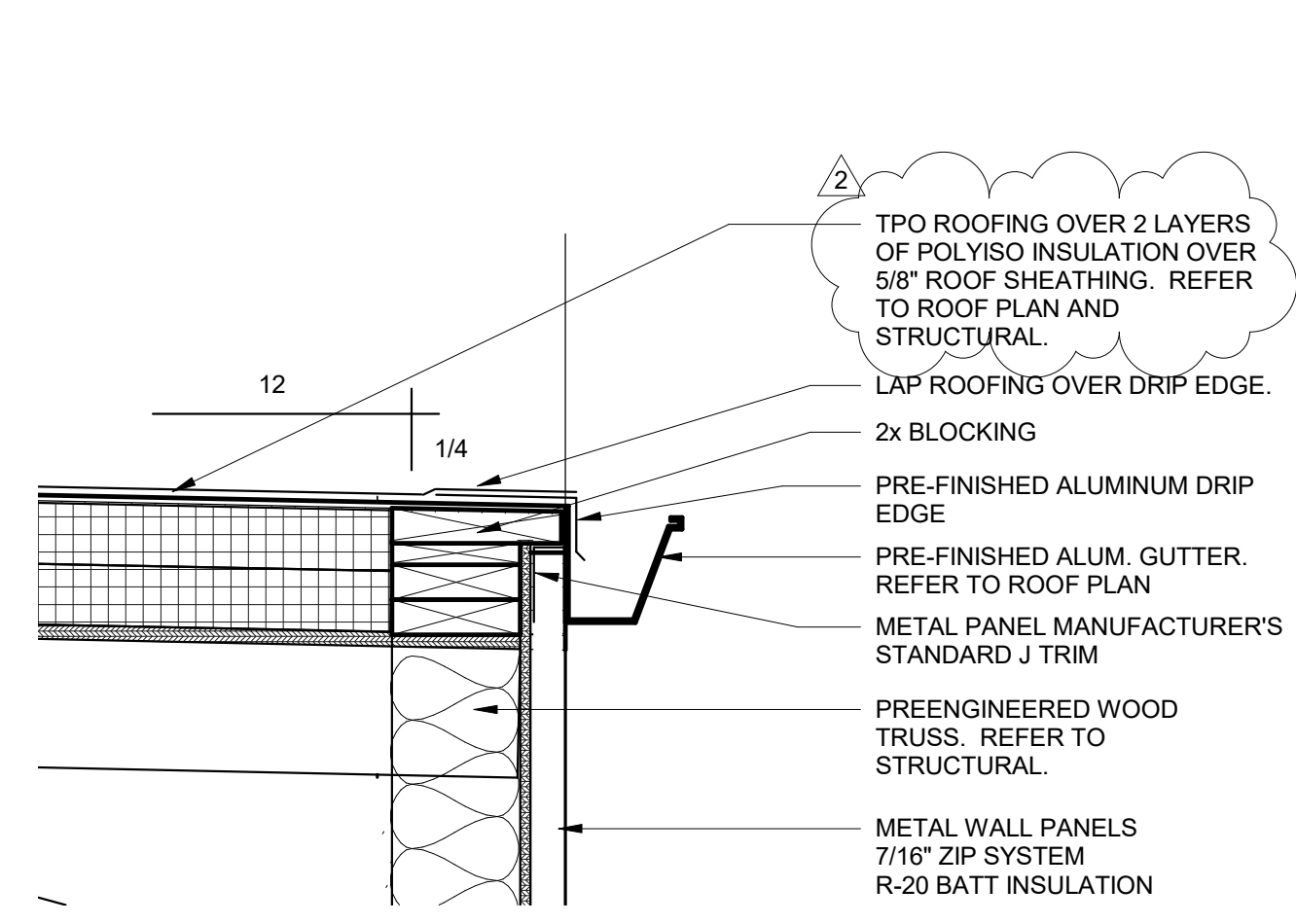
Revisions:

No.	Date	Description
2	2025-09-30	Add No. 2

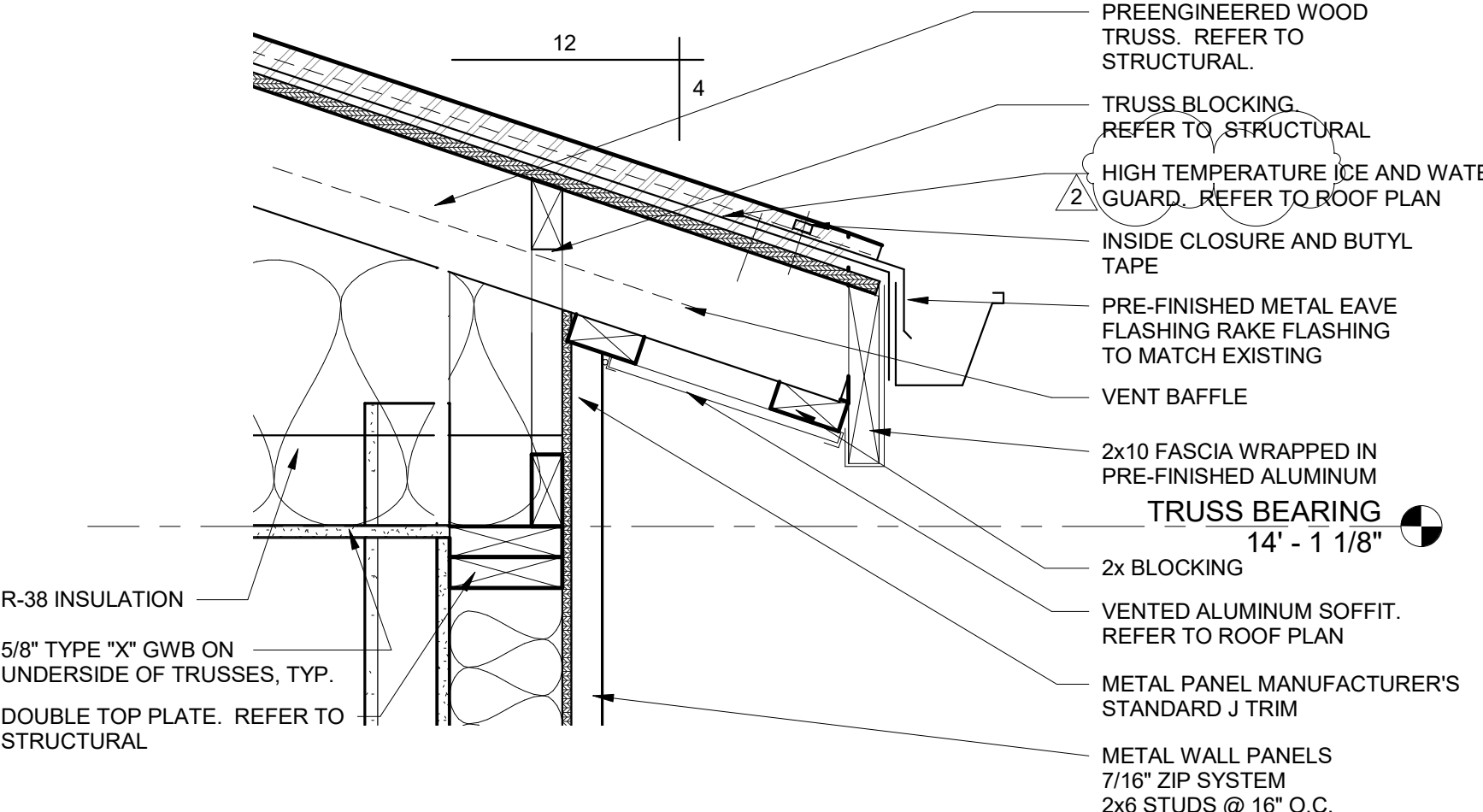
Sheet Info:  
WALL SECTIONS

Drawn By: Author  
Checked By: Checker  
Commission: 025-2125  
Date: 2025-09-11

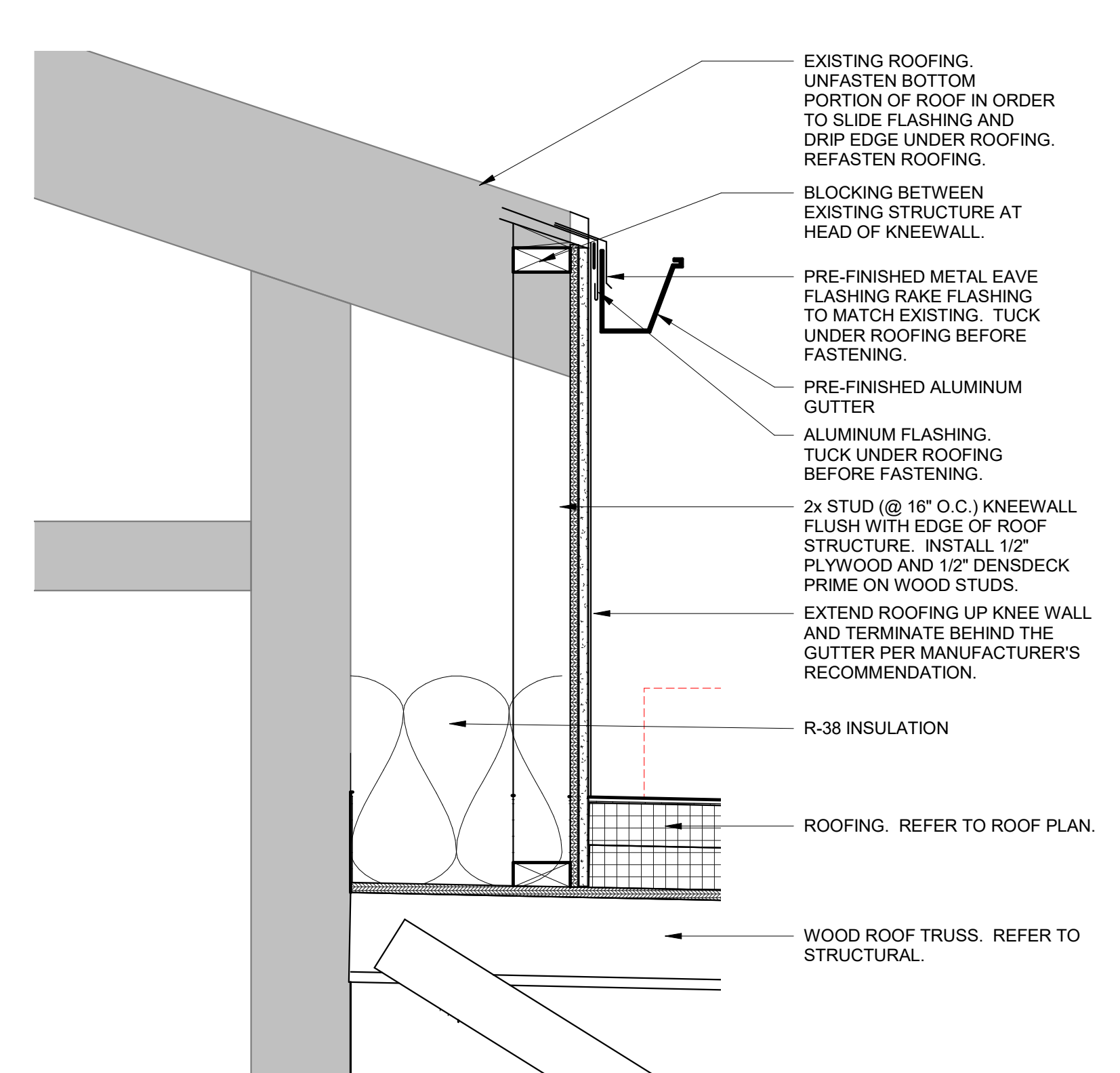
A322



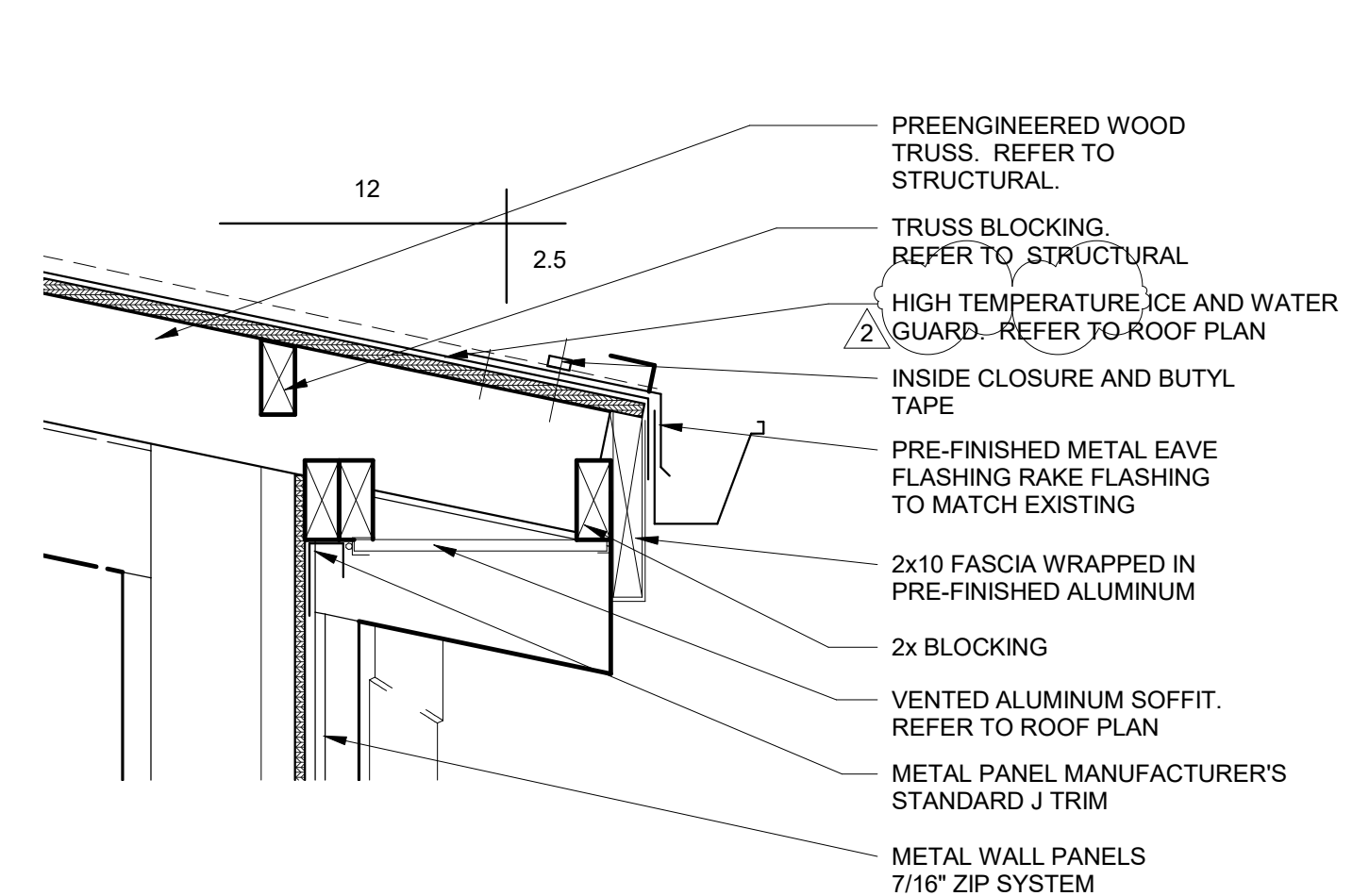
1 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



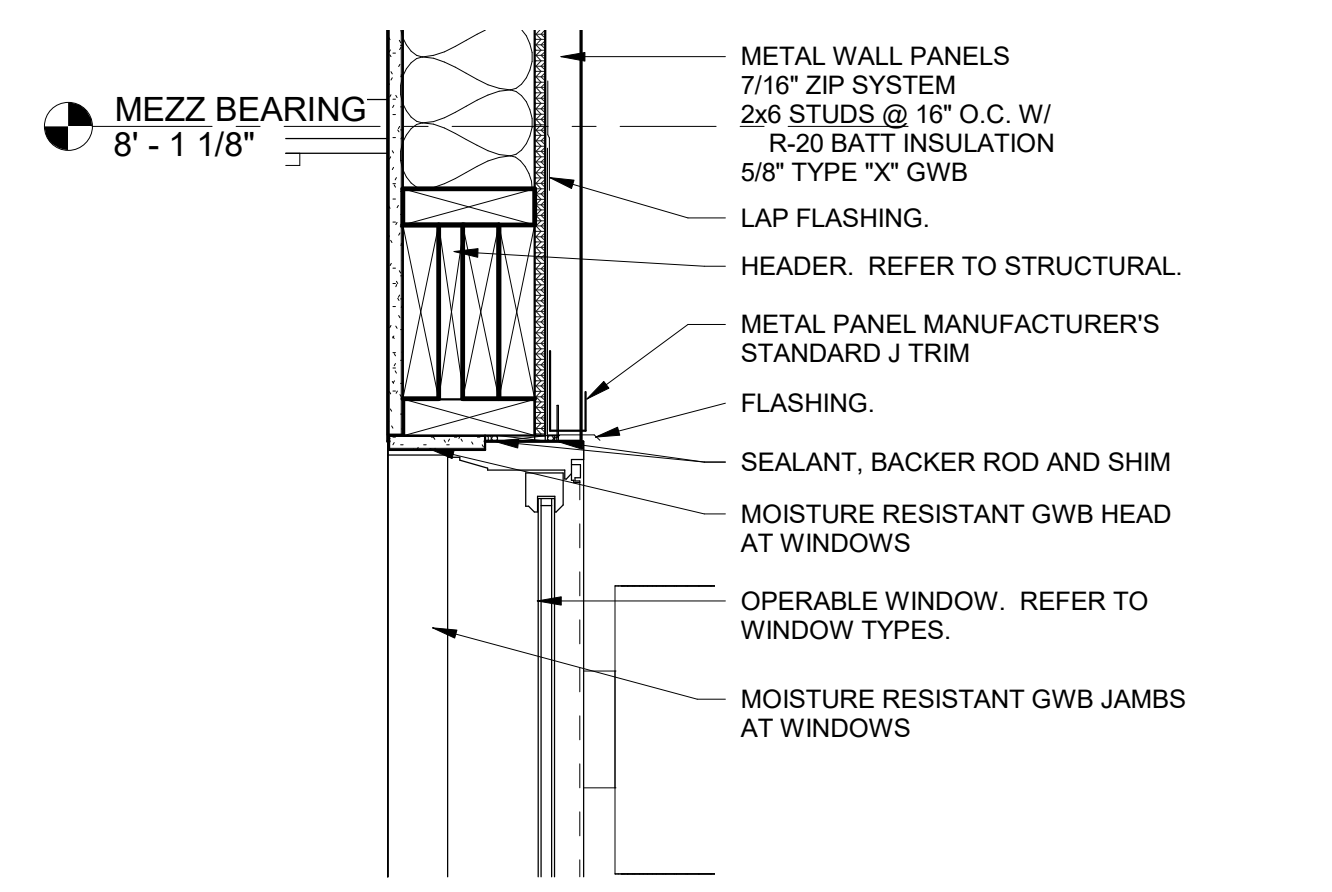
5 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



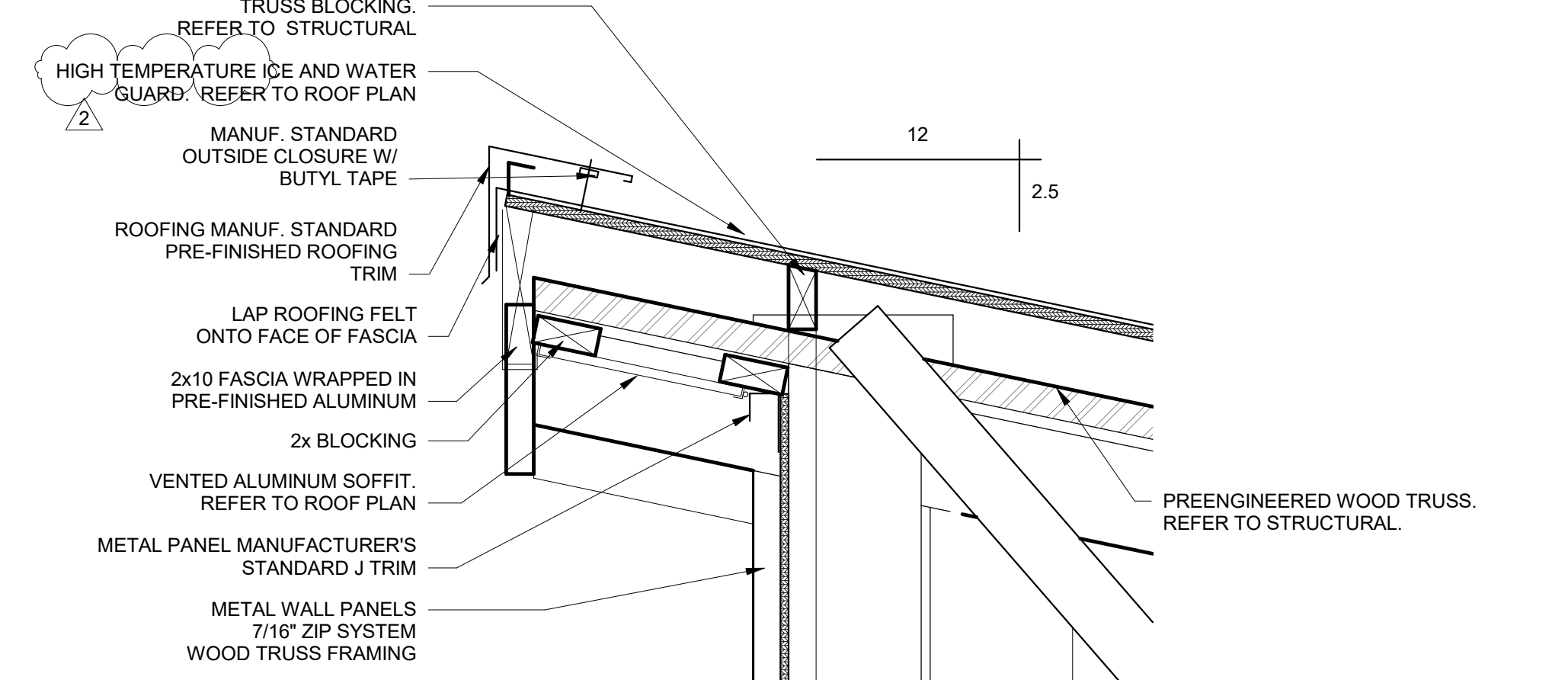
9 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



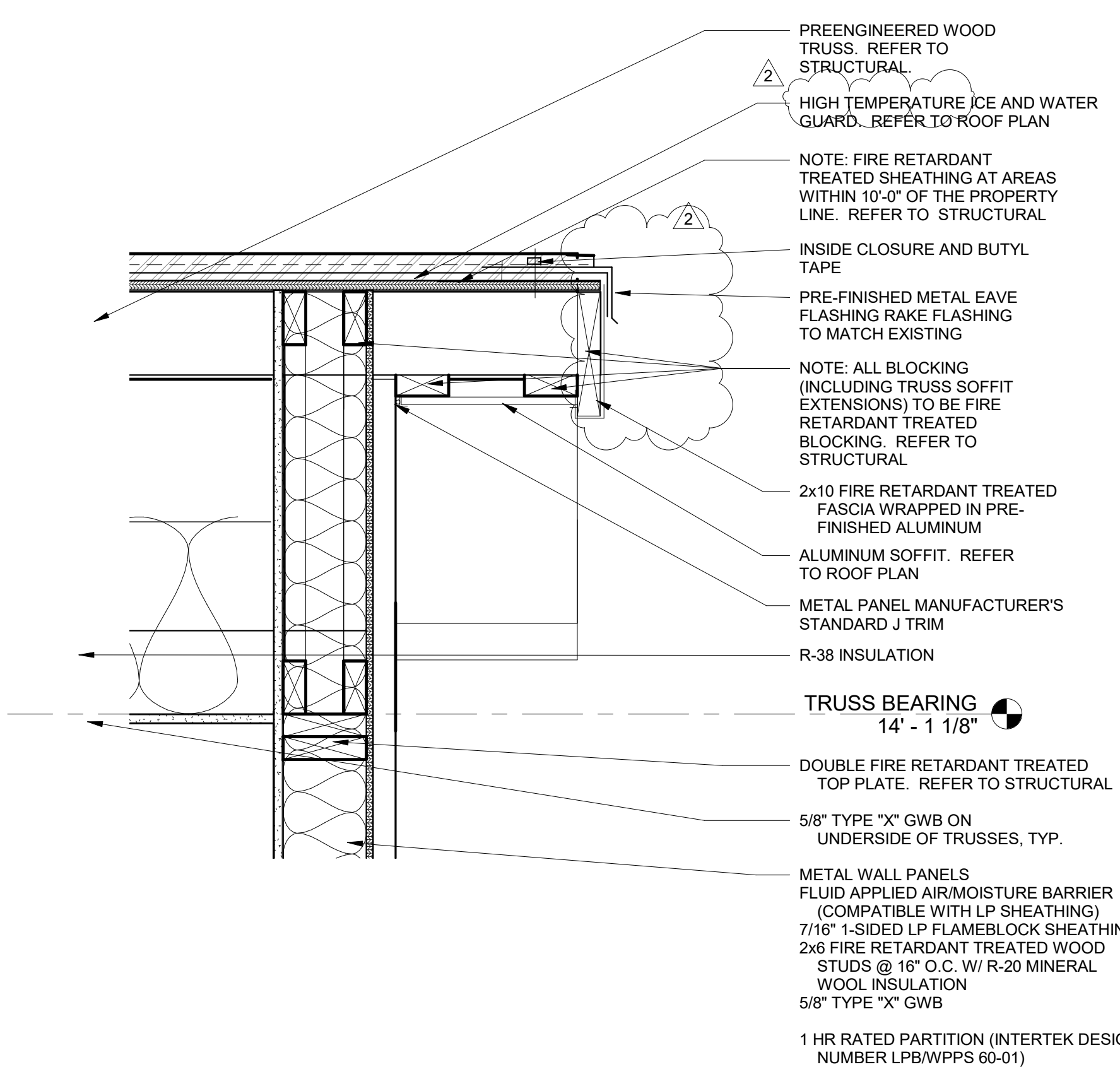
12 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



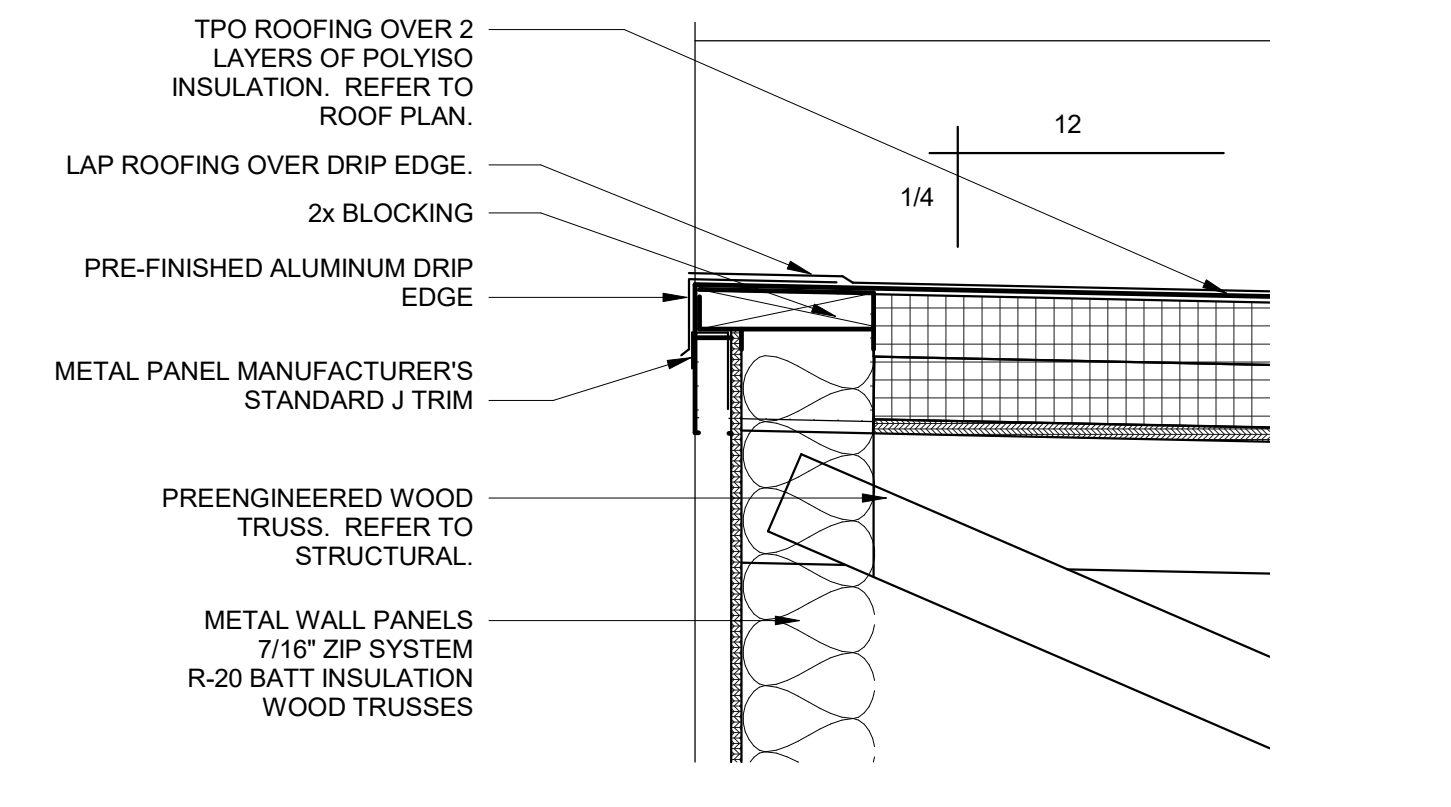
2 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



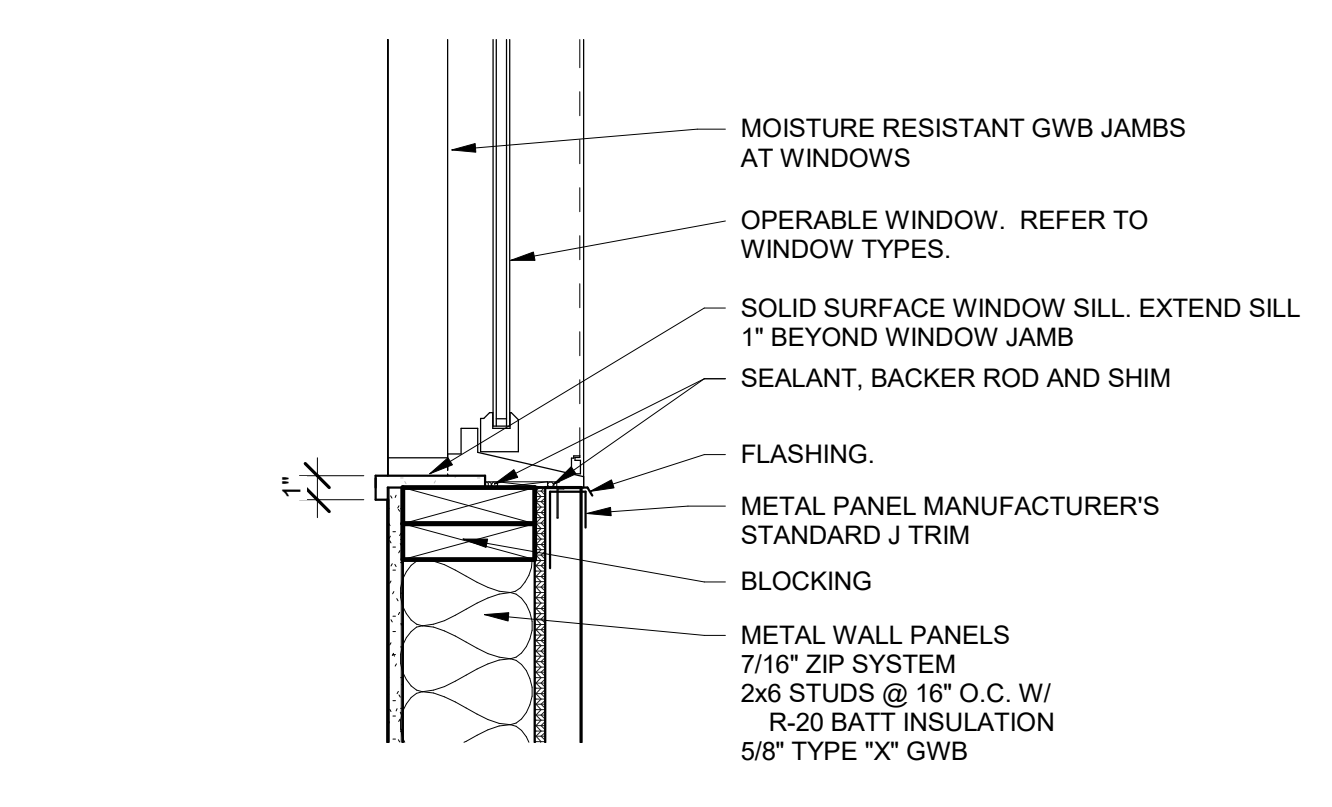
6 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



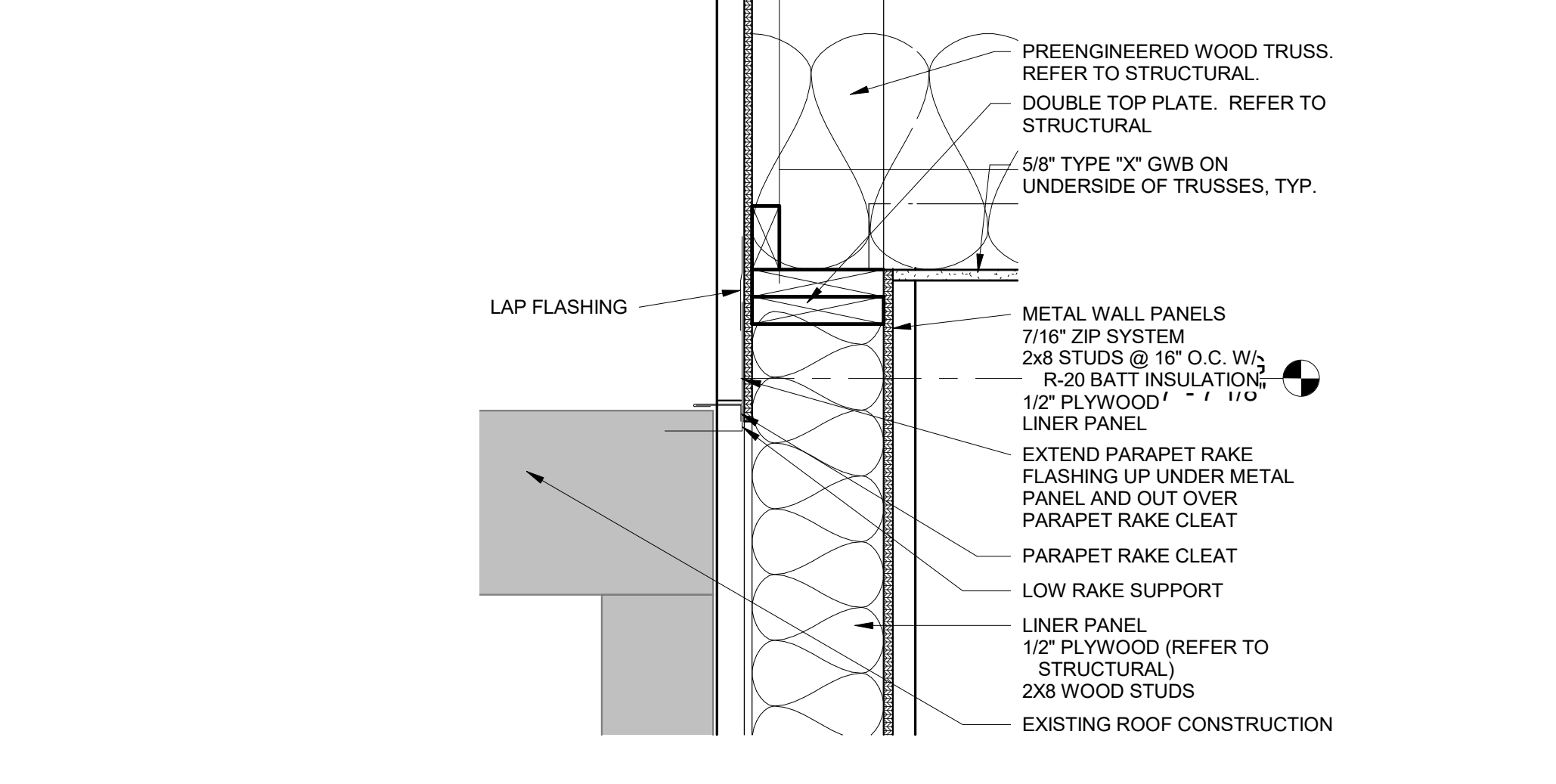
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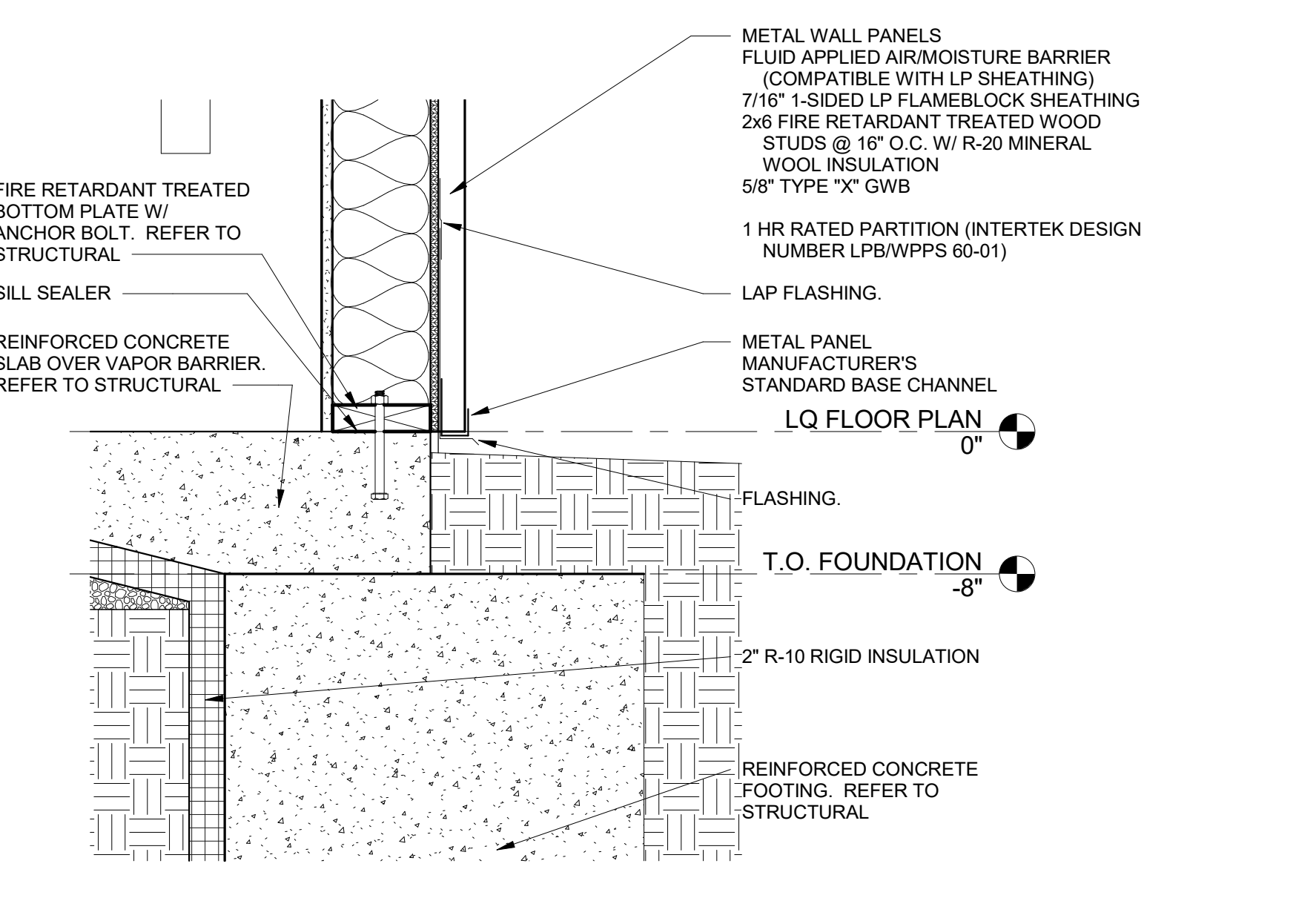
13 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



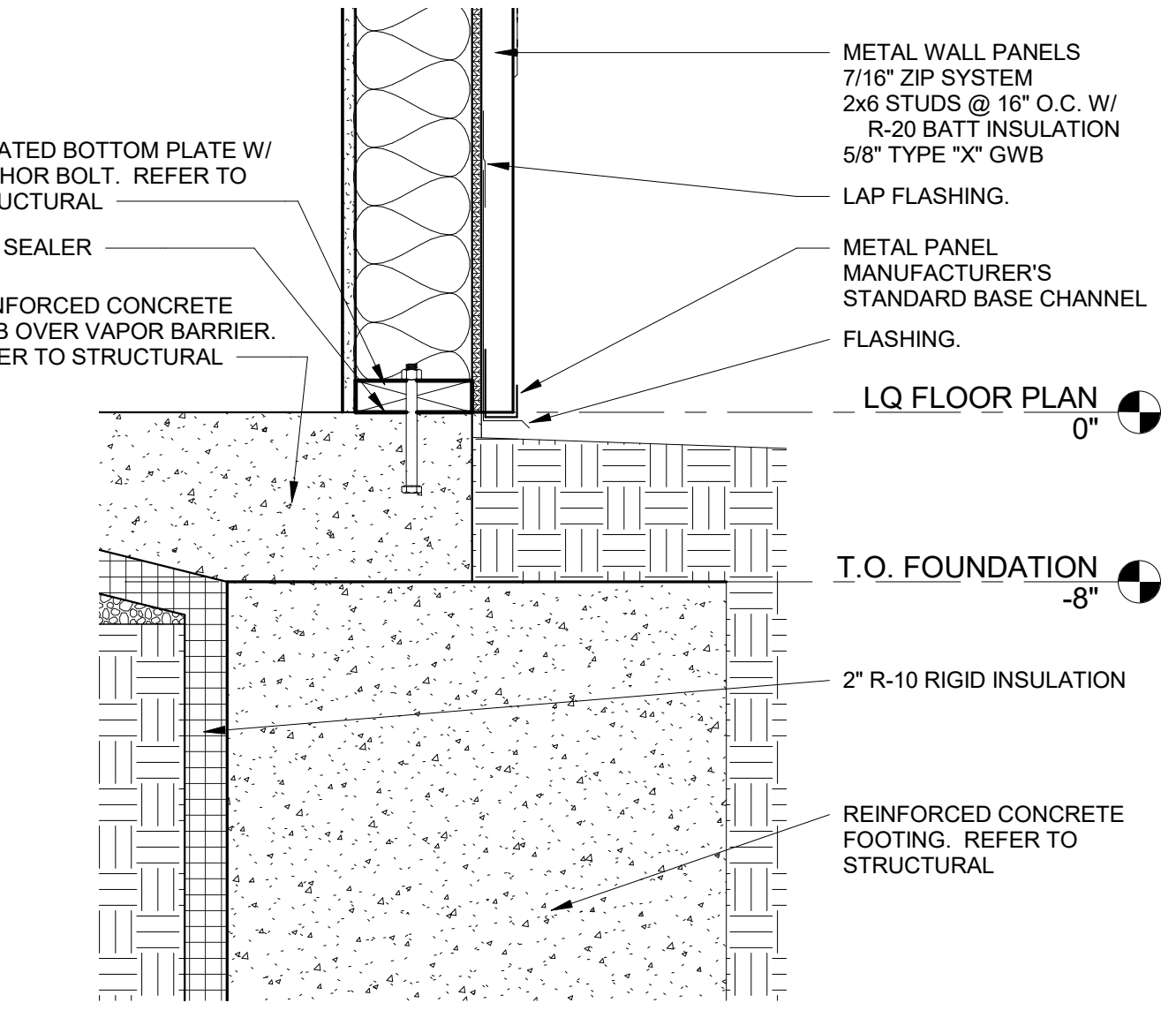
3 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



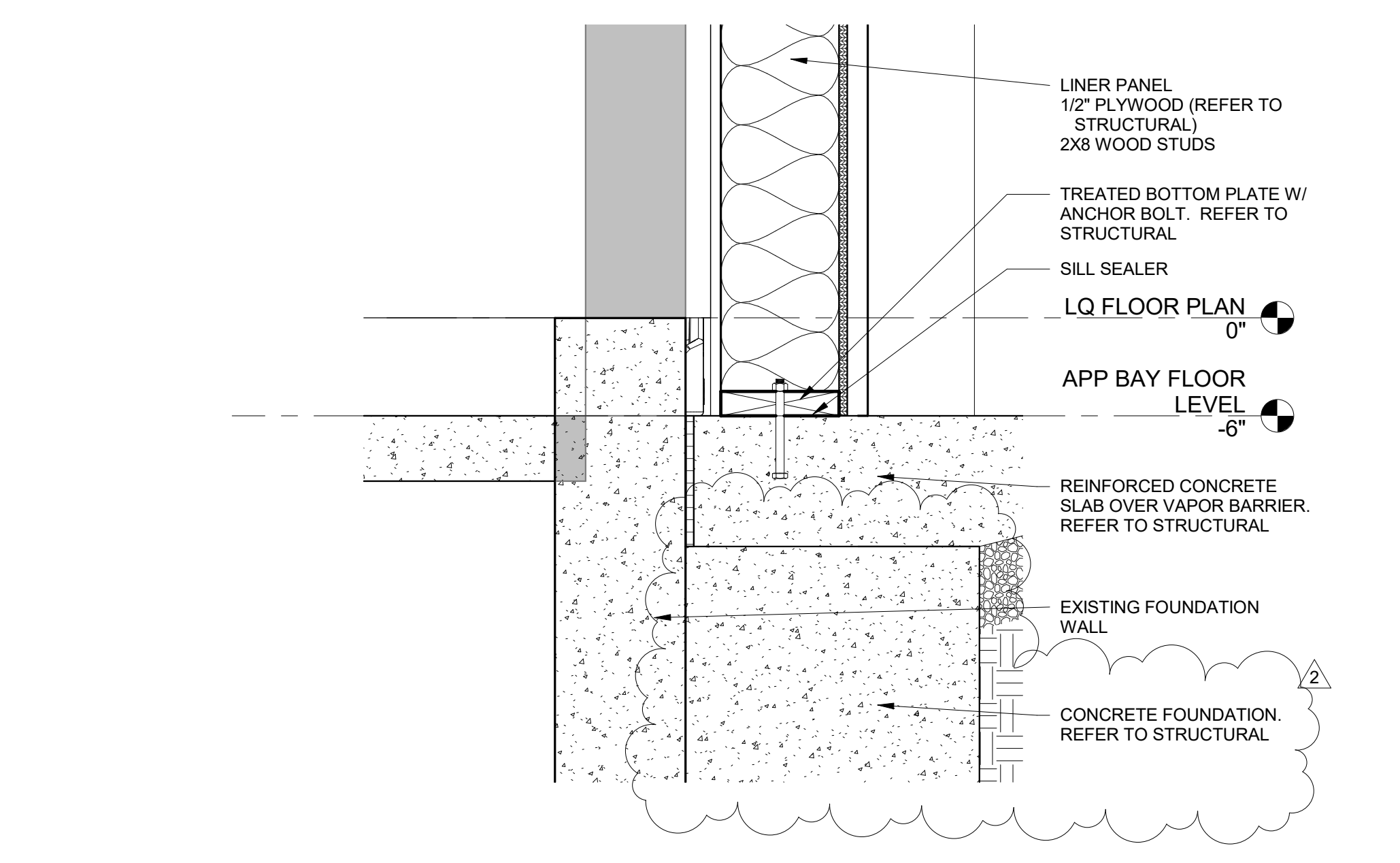
7 SECTION DETAIL  
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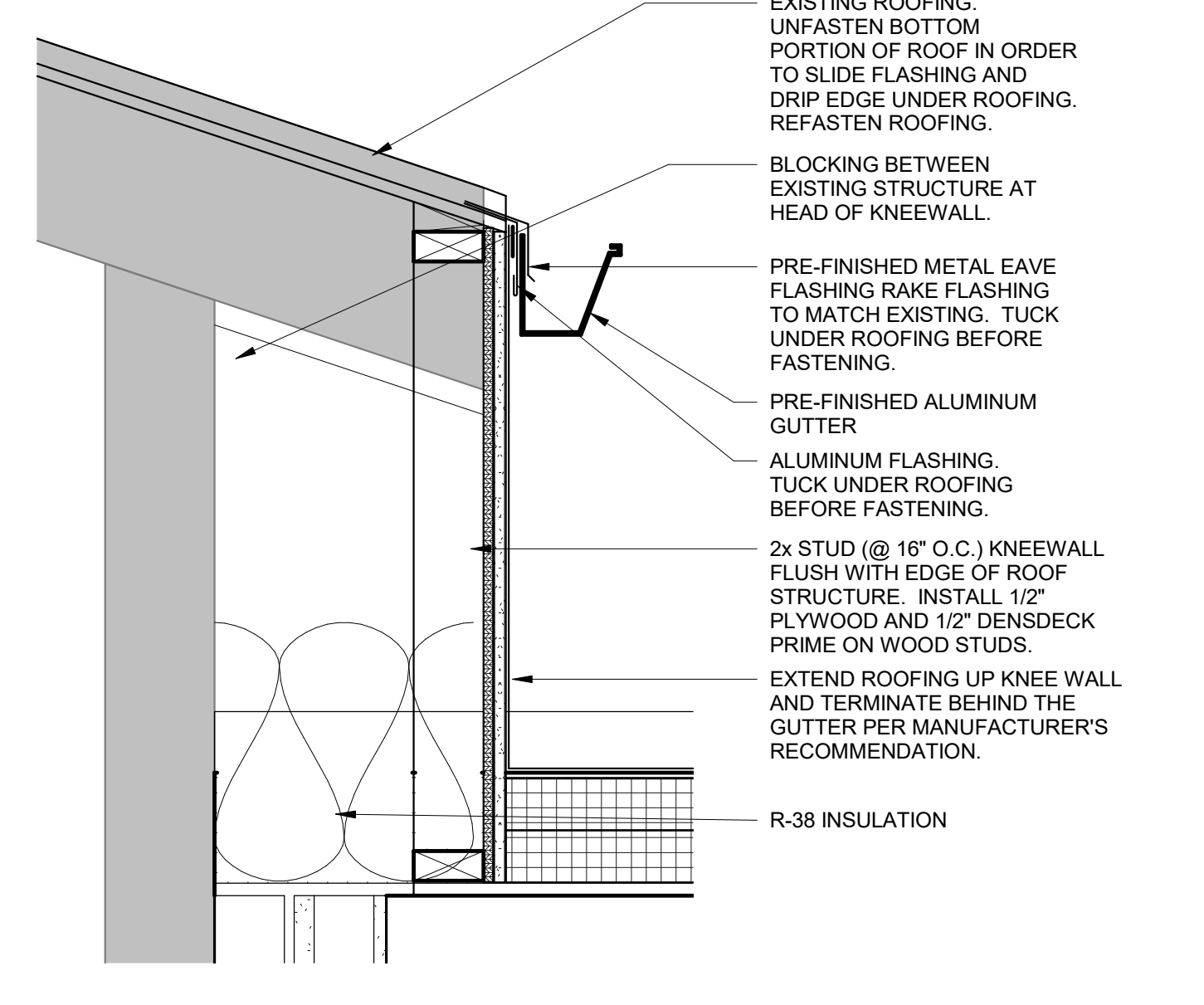
11 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



4 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



8 SECTION DETAIL  
 A541 1 1/2" = 1'-0"



14 SECTION DETAIL  
 A541 1 1/2" = 1'-0"

Revisions:

No.	Date	Description
2	2025-09-30	Add No. 2

Sheet Info:

SECTION DETAILS

Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-11

DOOR SCHEDULE														
DOOR NUMBER	DOOR TYPE	DOOR MATERIAL	DOOR WIDTH	DOOR QUANTITY	DOOR HEIGHT	DOOR THICKNESS	GLASS TYPE	FRAME TYPE	FRAME MATERIAL	FRAME HEAD	FRAME JAMB	FIRE RATING	DOOR HARDWARE	REMARKS
100	D2	HM	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	--	06	
101	D2	WD	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	45 MIN	07	1
102	D2	WD	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	--	04	
103	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	20 MIN	02	
104	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	20 MIN	02	
106	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	--	02	01
107	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	--	04	01
108	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	--	02	01
109	D2	WD	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	--	04	
111	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	--	02	01
112	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	20 MIN	02	
113	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	20 MIN	02	
114A	D2	HM	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	--	06	
114B	D2	HM	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	45 MIN	01	
115	D3	WD	6'-0"	2-3'-0"	7'-0"	1 3/4"	--	F2	HM	--	--	--	05	
116	D1	HM	4'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	--	04	
117A	D2	HM	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	--	06	
117B	D4	METAL	6'-0"	SINGLE	8'-0"	2"	--	--	--	--	--	--	--	02
117C	D2	HM	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	--	06	
117D	D5	METAL	14'-0"	SINGLE	14'-0"	2"	PARTIAL	--	--	--	--	--	--	02
118A	D2	HM	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	--	06	2
118B	EX	EX	12'-0"	SINGLE	12'-0"	2"	--	EX	EX	--	--	--	EX	03
118C	EX	EX	12'-0"	SINGLE	12'-0"	2"	--	EX	EX	--	--	--	EX	03
118D	EX	EX	12'-0"	SINGLE	12'-0"	2"	--	EX	EX	--	--	--	EX	03
119A	D2	WD	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	--	04	01
119B	D2	HM	3'-0"	SINGLE	7'-0"	1 3/4"	VG	F1	HM	--	--	--	07	1
120A	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	--	03	01
120B	D1	HM	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	--	07	1
121	D1	WD	3'-0"	SINGLE	7'-0"	1 3/4"	--	F1	HM	--	--	--	02	1
201	D6	HM	3'-0"	SINGLE	4'-0"	1 3/4"	--	F3	HM	--	--	--	08	2

**DOOR SCHEDULE REMARKS**

- 01 PROVIDE 3/4" DOOR UNDERCUT.
- 02 OVERHEAD DOOR. CLOPAY. MODEL 3722, COLOR BLAST FOR RED DOORS, FULL VIEW VISION LITES PER ELEVATIONS, 100K CYCLE SPRINGS, 3" TRACK, TINTED INSULATED GLASS - GRAY OR BRONZE TBD.
- 03 EXISTING DOORHARDWARE TO REMAIN.

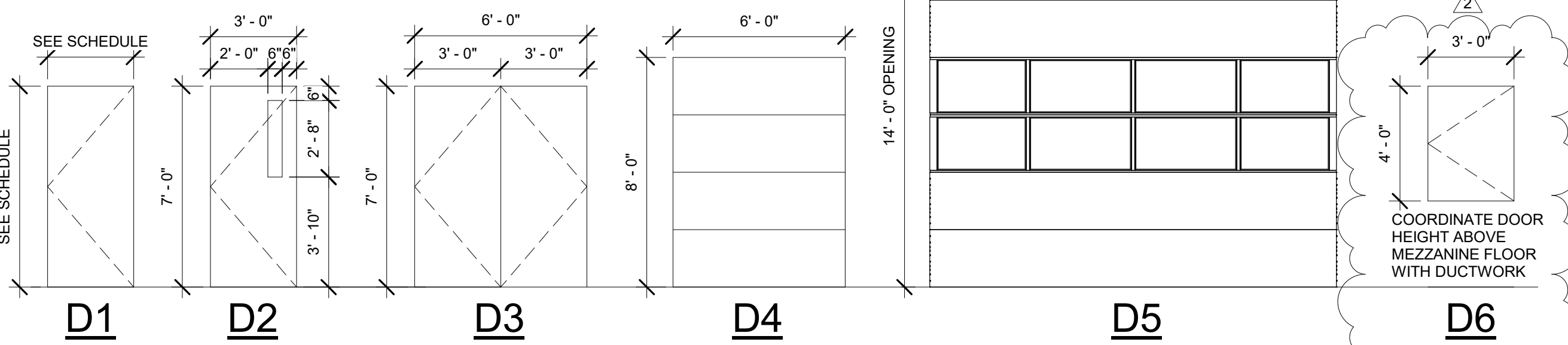
**DOOR SCHEDULE ABBREVIATIONS**

ALUM	ALUMINUM	HM	HOLLOW METAL	VG	VISION GLASS
EX	EXISTING	PLAM	PLASTIC LAMINATE	WOOD	WOOD

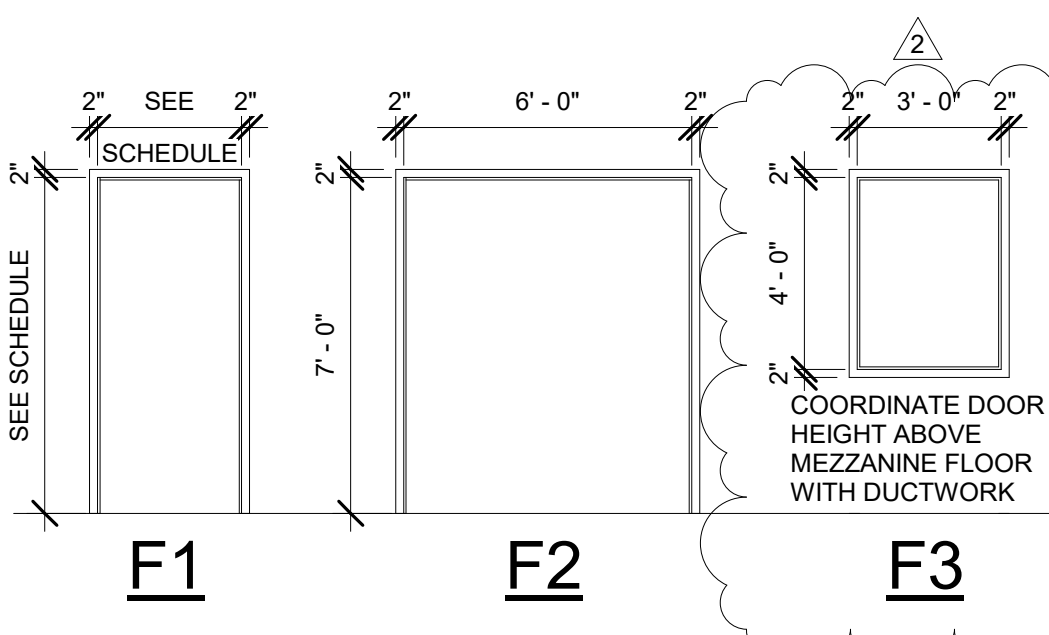
**DOOR SCHEDULE NOTES**

- REFER TO FLOOR PLAN FOR DOOR SWING DIRECTIONS.
- EXIT DOORS: DURING BUSINESS HOURS EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT USE OF A KEY. HARDWARE FOR HANDICAPPED SHALL CONFORM TO LOCAL BUILDING CODES AND ANSI 4.13.10 AS RULES APPLY.
- DOOR SIGNAGE (ALL INTERIOR DOORS) SHALL BE "TACTILE PLAQUE SIGNS" OR EQUIVALENT. SIGNAGE SHALL BE 8"x8" WITH THE ROOM NAME AND NUMBER SHOWN. REFER TO THE ROOM FINISH SCHEDULE FOR ROOM NAMES AND NUMBERS. ROOM NUMBERS ARE TO BE COORDINATED WITH THE OWNER. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. MOUNTING HEIGHT SHALL BE 6" AFF TO THE CENTERLINE OF THE SIGN.
- ALL LOCKS ARE TO BE KEVED TO THE OWNER'S REQUIREMENTS.
- KICK PLATES SHALL BE STAINLESS STEEL 16 GAUGE WITH US260 FINISH. 10" HIGH AND 2" LESS THAN THE DOOR WIDTH.
- ALL HOLLOW METAL DOORS AND FRAMES TO BE PRIMED AND PAINTED.
- HOLLOW METAL DOOR FRAMES TO BE 16 GA. MINIMUM THICKNESS, FULL PROFILE WELDED, PRIMED FOR PAINTING.

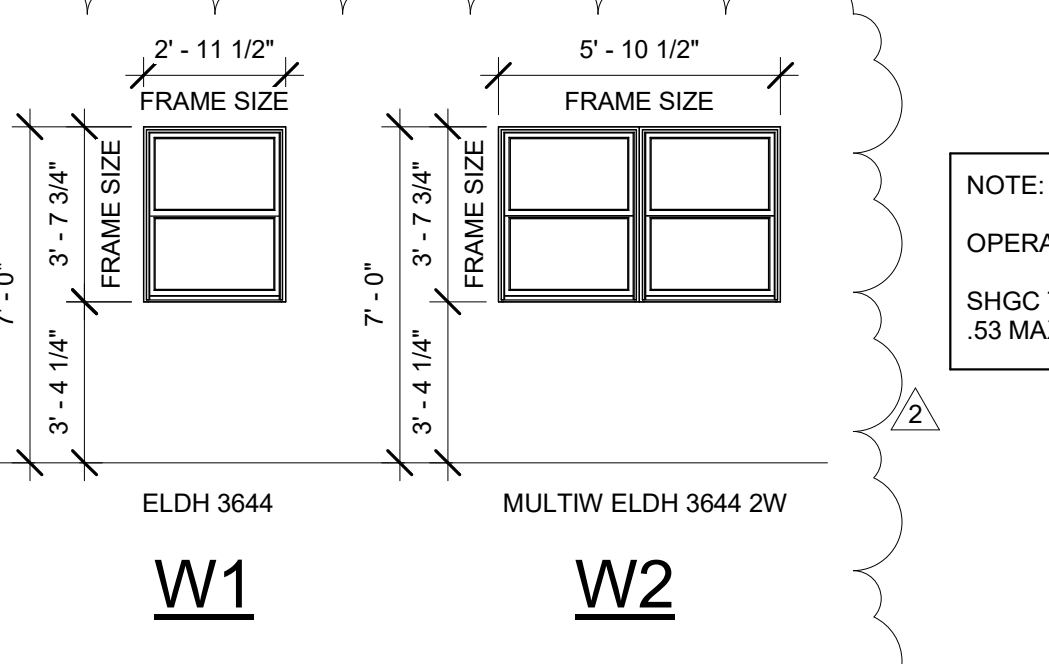
- NOTE: TEMPERED GLASS AS REQUIRED BY CODE.
- EXTERIOR OPAQUE SWINGING DOOR U-FACTOR TO BE 0.45 MAX.
- EXTERIOR ENTRANCE DOOR U-FACTOR TO BE 0.77 MAX.
- OPERABLE FENESTRATION U-FACTOR TO BE 0.45 MAX.
- EXTERIOR DOOR SHGC TO BE 0.40 MAX.



**DOOR TYPES**  
1/4" = 1'-0"



**DOOR FRAME TYPES**  
1/4" = 1'-0"



**WINDOW TYPES**  
1/4" = 1'-0"

- NOTE: TEMPERED GLASS AS REQUIRED BY CODE.
- OPERABLE FENESTRATION U-FACTOR TO BE 0.45 MAX.
- SHGC TO BE 0.4 MAX - SOUTHEAST/WEST SIDES
- 03 MAX NORTH SIDE

**HARDWARE GROUP NO. 01**

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA	EXIT DEVICE	4501 RIM FR 45NL WTN	US26D	HAGER
1 EA	RIM CYLINDER	3901	US26D	HAGER
1 EA	ELECTRIC STRIKE	9600 (FAIL SECURE)	630	HES
1 EA	CLOSER	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
	GASKETING	722	CHAR	HAGER

**HARDWARE GROUP NO. 02**

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA	PRIVACY LOCK (ADA LEVER)	3540 WTN	US26D	HAGER
1 EA	CLOSER	5200 MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA	CONCAVE WALL STOP	236W	US32D	HAGER
3 EA	SILENCERS	307D	GREY	HAGER
	GASKETING (DOORS 103, 104, 112 AND 113 ONLY)	722	CHAR	HAGER

DOORS 103, 104, 112 AND 113 ARE 20 MIN. RATED DOORS

**HARDWARE GROUP NO. 03**

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA	OFFICE LOCK (ADA LEVER)	3550 WTN	US26D	HAGER
1 EA	CLOSER W/ HOLD OPEN ARM	5200 MLT HO FC (MOUNT ON PULL SIDE)	US32D	HAGER
1 EA	CONCAVE WALL STOP	236W	US32D	HAGER
3 EA	SILENCERS	307D	GREY	HAGER

**HARDWARE GROUP NO. 04**

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA	HEAVY WEIGHT HINGE (116 ONLY)	BB1168 5X4-1/2	US26D	HAGER
1 EA	PASSAGE LOCK (ADA LEVER)	3510 WTN	US26D	HAGER
1 EA	CLOSER (119A ONLY)	5200 MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA	CLOSER (102 & 109 ONLY)	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
1 EA	CLOSER (107 & 116 ONLY)	5200 MLT HDHOS FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA	CONCAVE WALL STOP (102, 109 & 119A ONLY)	236W	US32D	HAGER
3 EA	SILENCERS	307D	GREY	HAGER

**HARDWARE GROUP NO. 05**

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
6 EA	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA	STOREROOM LOCK (ADA LEVER)	3580 WTN	US26D	HAGER
1 EA	MANUAL FLUSH BOLT	283D	US26D	HAGER
4 EA	SILENCERS	307D	GREY	HAGER

**HARDWARE GROUP NO. 06**

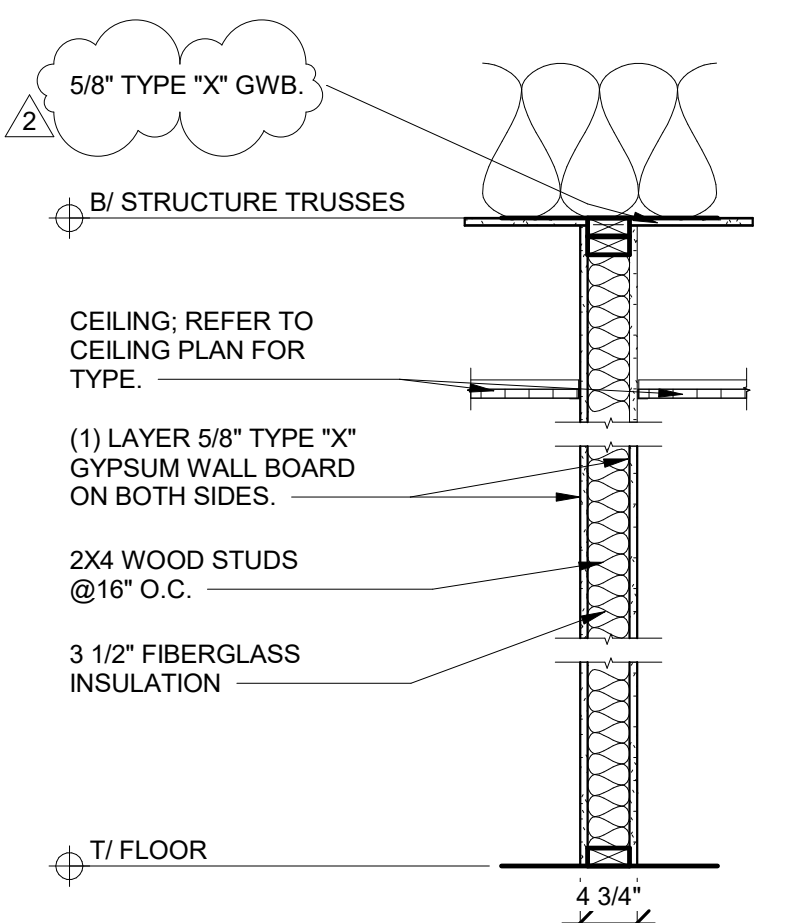
QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA	EXIT DEVICE	4501 RIM 45NL WTN	US26D	HAGER
1 EA	RIM CYLINDER	3901	US26D	HAGER
1 EA	ELECTRIC STRIKE	9600 (FAIL SECURE)	630	HES
1 EA	CLOSER	5200 MLT HD FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
	WEATHERSTRIPPING	721	CHAR	HAGER
1 EA	DOOR SWEEP	750S	ALUM	HAGER
1 EA	THRESHOLD	412S	ALUM	HAGER

**HARDWARE GROUP NO. 07**

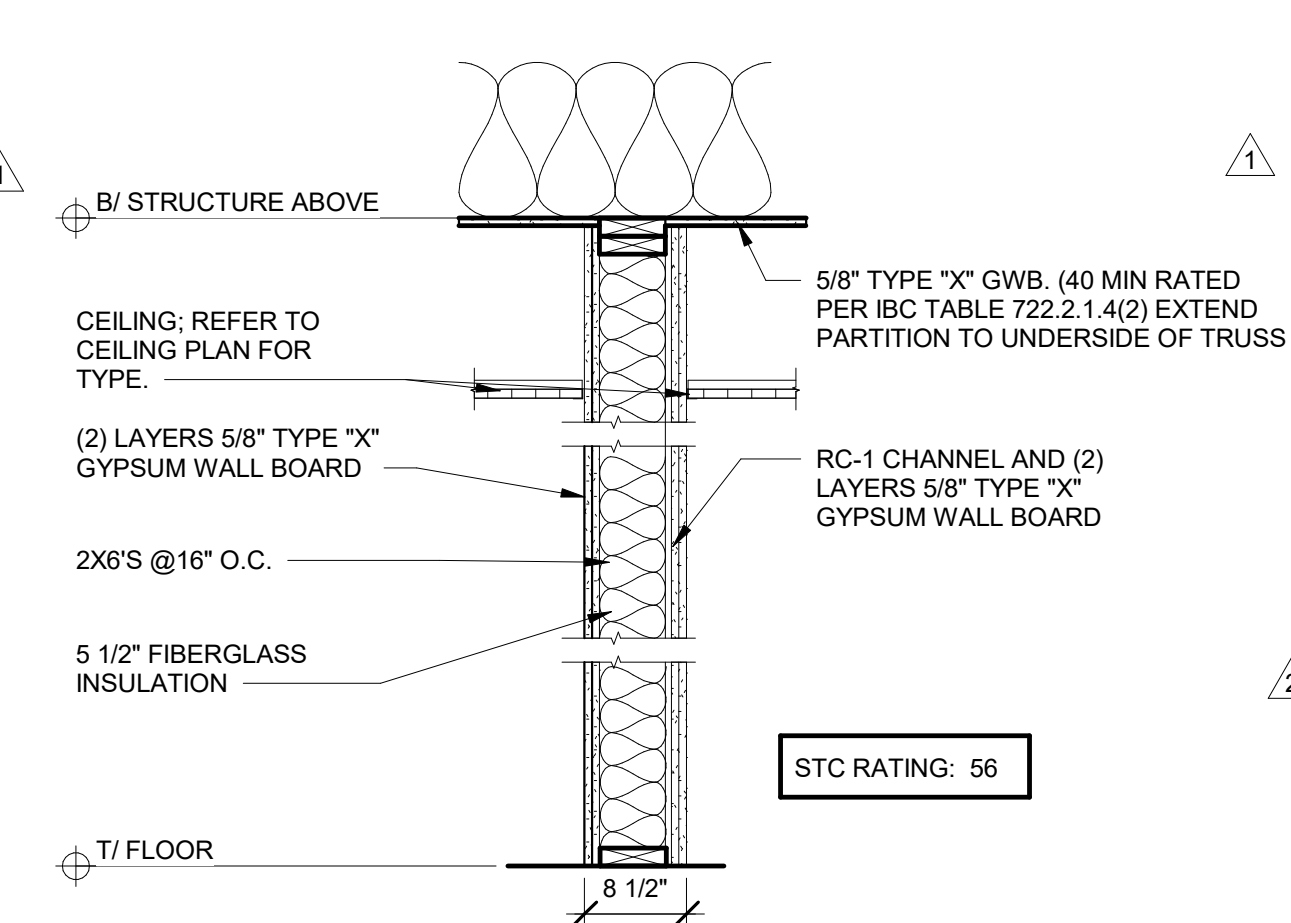
QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA	ENTRANCE LOCK	3563 WTN	US26D	HAGER
1 EA	ELECTRIC STRIKE	1006 (FAIL SECURE)	630	HES
1 EA	CLOSER	5200 MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
	GASKETING (DOOR 101 ONLY)	722	CHAR	HAGER
	WEATHERSTRIPPING (DOORS 119B & 120B ONLY)	721	CHAR	HAGER

**HARDWARE GROUP NO. 08**

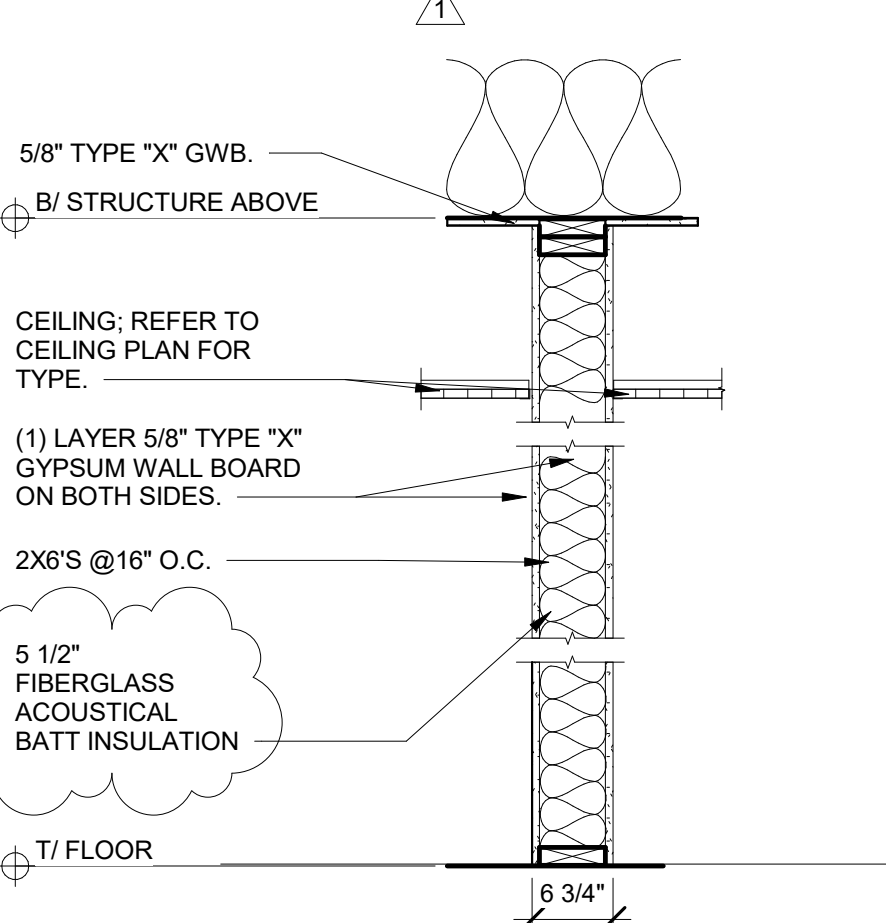
QTY	DESCRIPTION	MODEL	FINISH	MANUF.
2 EA	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA	PASSAGE LOCK (ADA LEVER)	3510 WTN	US26D	HAGER
3 EA	SILENCERS	307D	GREY	HAGER



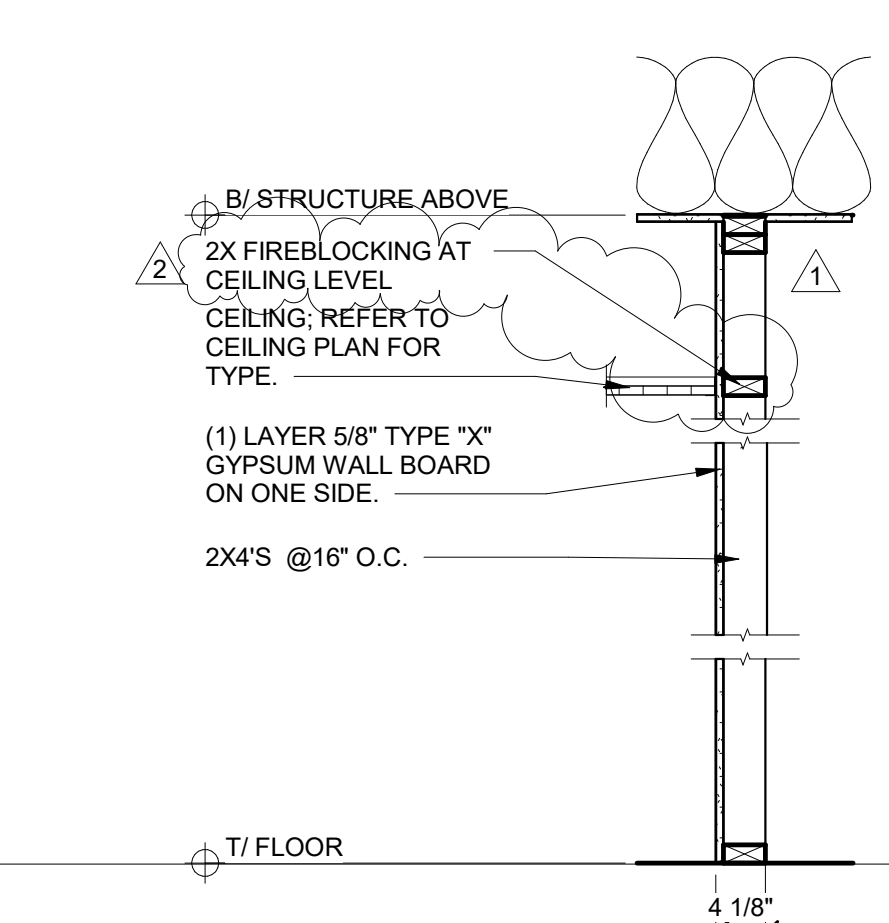
**P1 PARTITION TYPE "P1"**  
A601 3/4" = 1'-0"



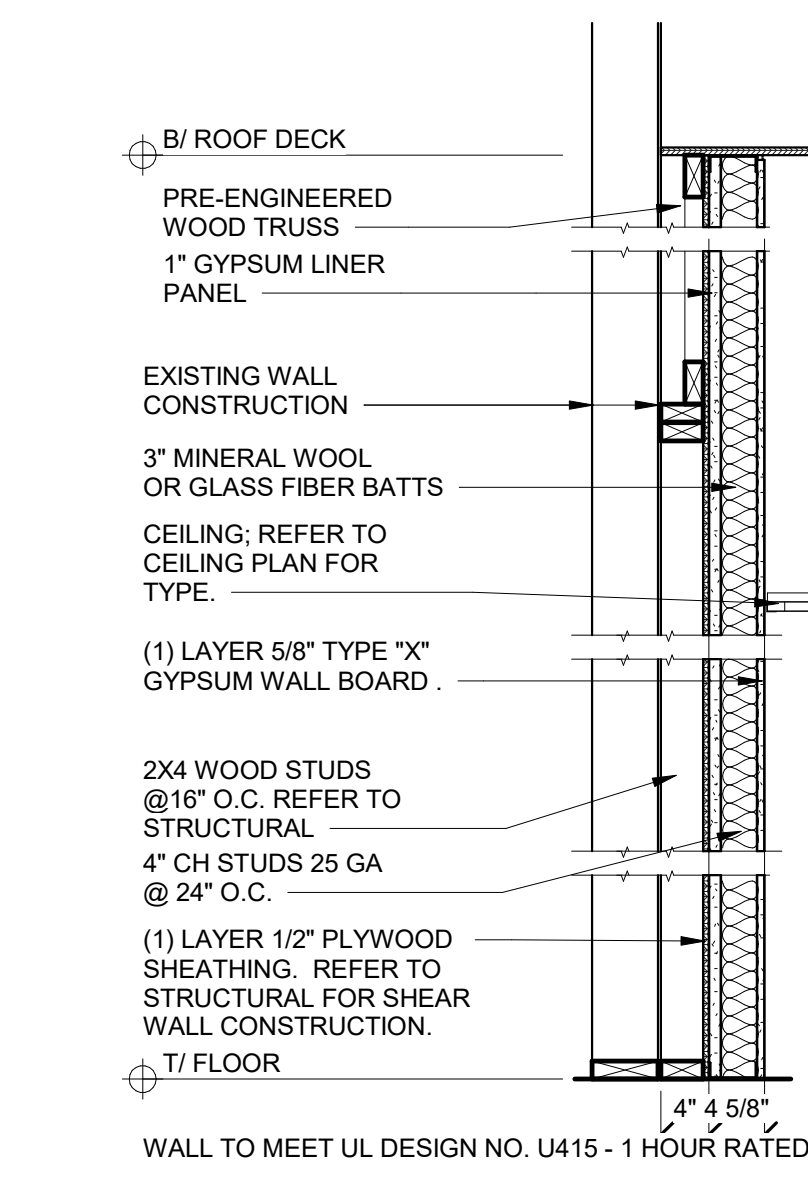
**P2 PARTITION TYPE "P2"**  
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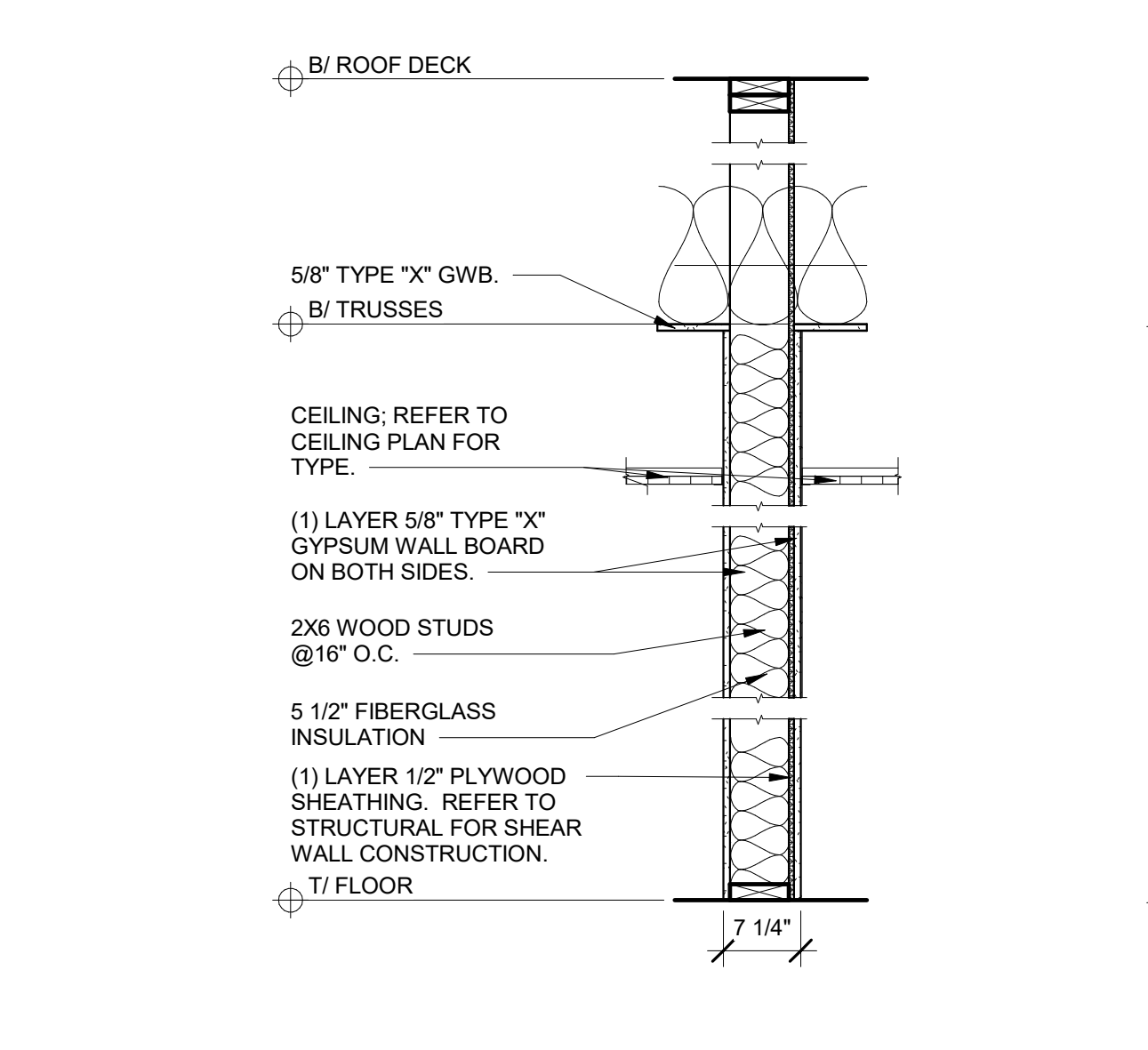
**P3 PARTITION TYPE "P3"**  
A601 3/4" = 1'-0"



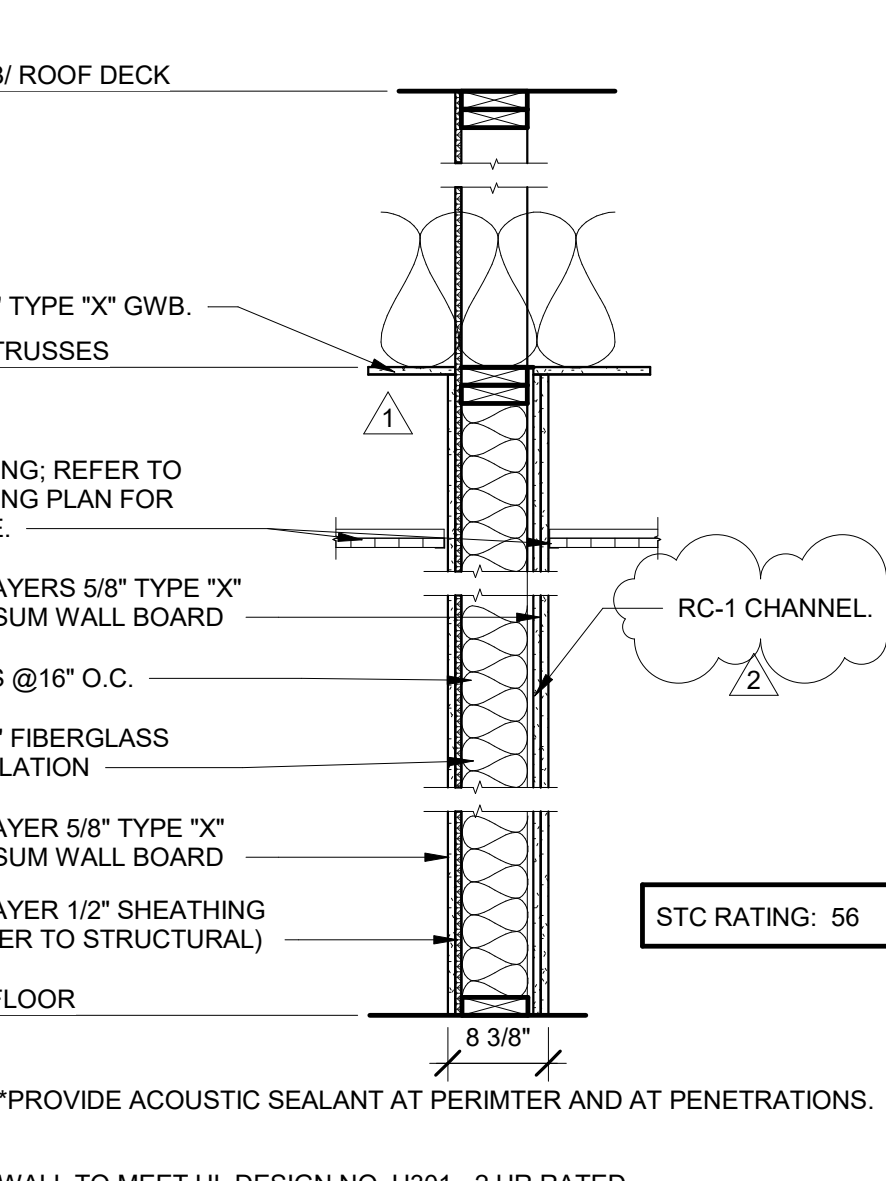
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A601 3/4" = 1'-0"



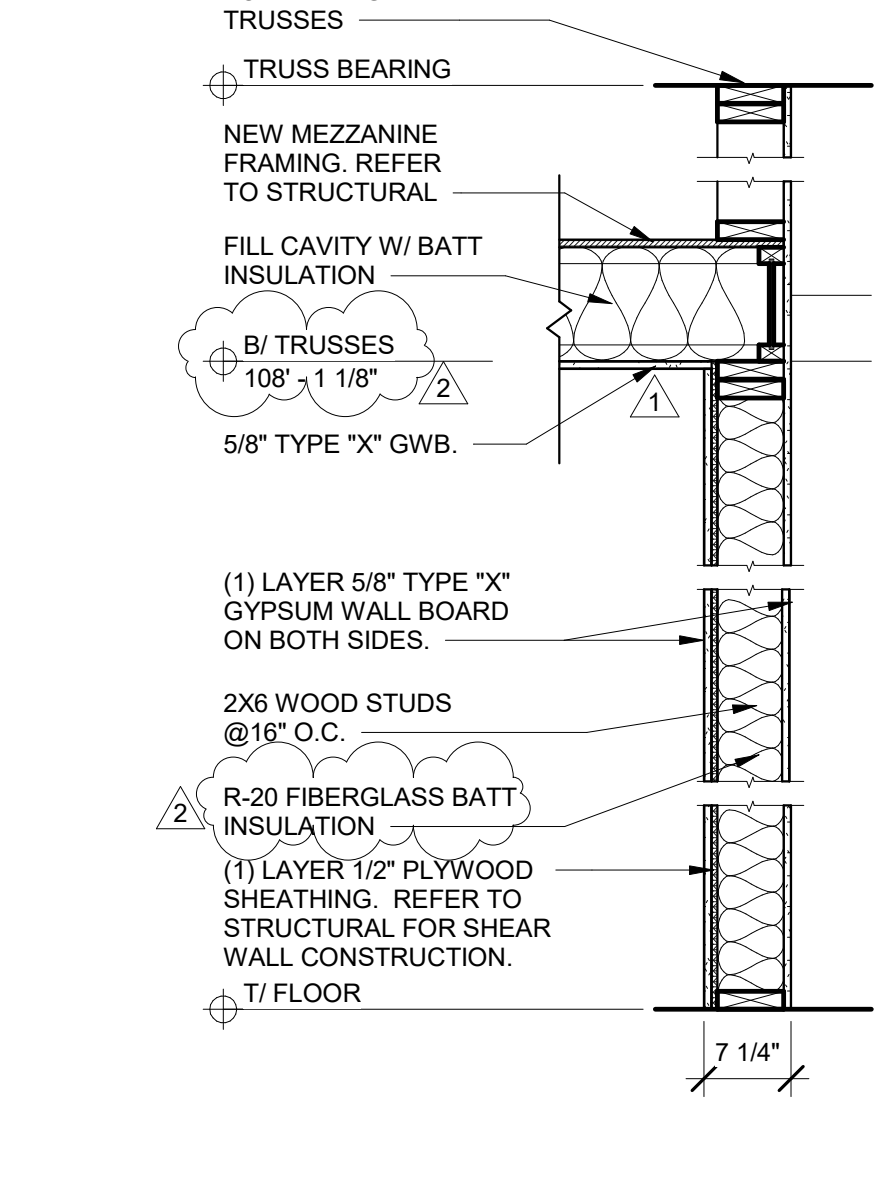
**P5 PARTITION TYPE "P5"**  
A601 3/4" = 1'-0"



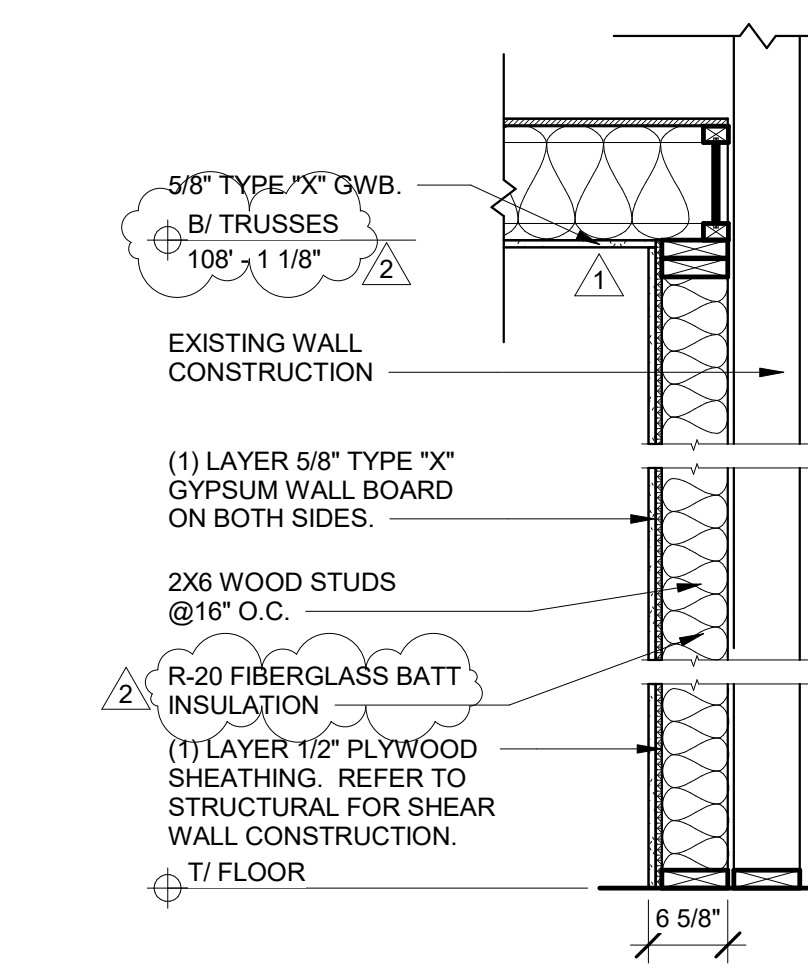
**P6 PARTITION TYPE "P6"**  
A601 3/4" = 1'-0"



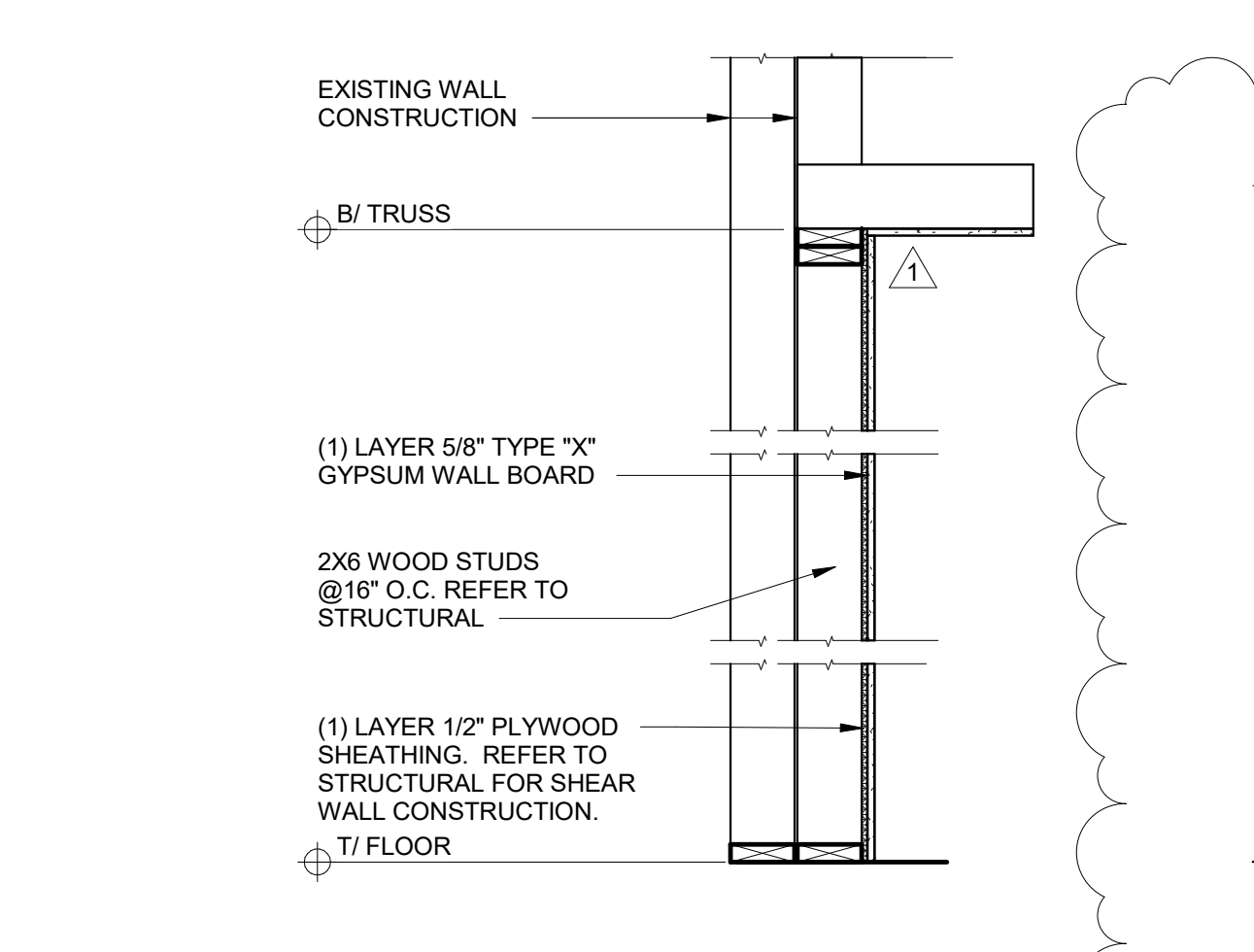
**P7 PARTITION TYPE "P7"**  
A601 3/4" = 1'-0"



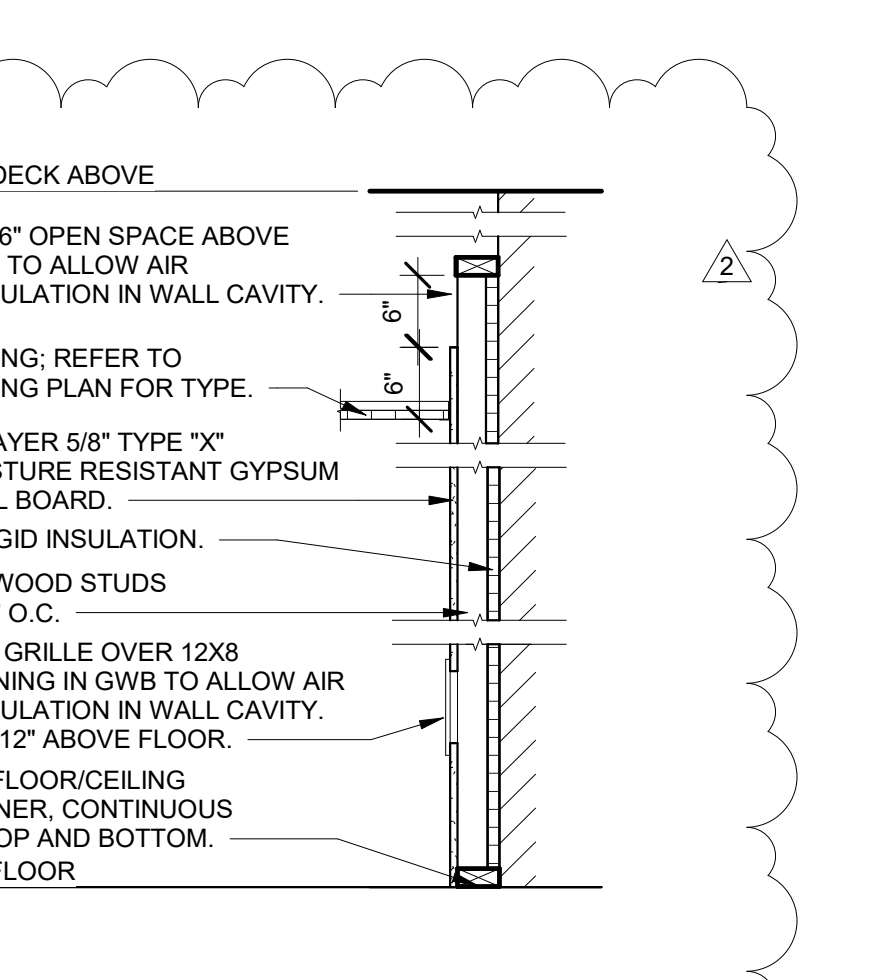
**P8 PARTITION TYPE "P8"**  
A601 3/4" = 1'-0"



**P9 PARTITION TYPE "P9"**  
A601 3/4" = 1'-0"



**P10 PARTITION TYPE "P10"**  
A601 3/4" = 1'-0"



**P11 PARTITION TYPE "P11"**  
A601 3/4" = 1'-0"



**P12 PARTITION TYPE "P12"**  
A601 3/4" = 1'-0"

NOTE: FIRE TAPE ALL GWB JOINTS IN ALL CONCEALED AREAS.

**Revisions:**

No.	Date	Description
1	2025-09-19	Add No. 1
2	2025-09-30	Add No. 2

**Sheet Info:**  
DOOR SCHEDULE AND PARTITION TYPES

Drawn By: Author  
Checked By: Checker  
Commission: 025-2125  
Date: 2025-09-11

**A601**

**FINISH LEGEND**

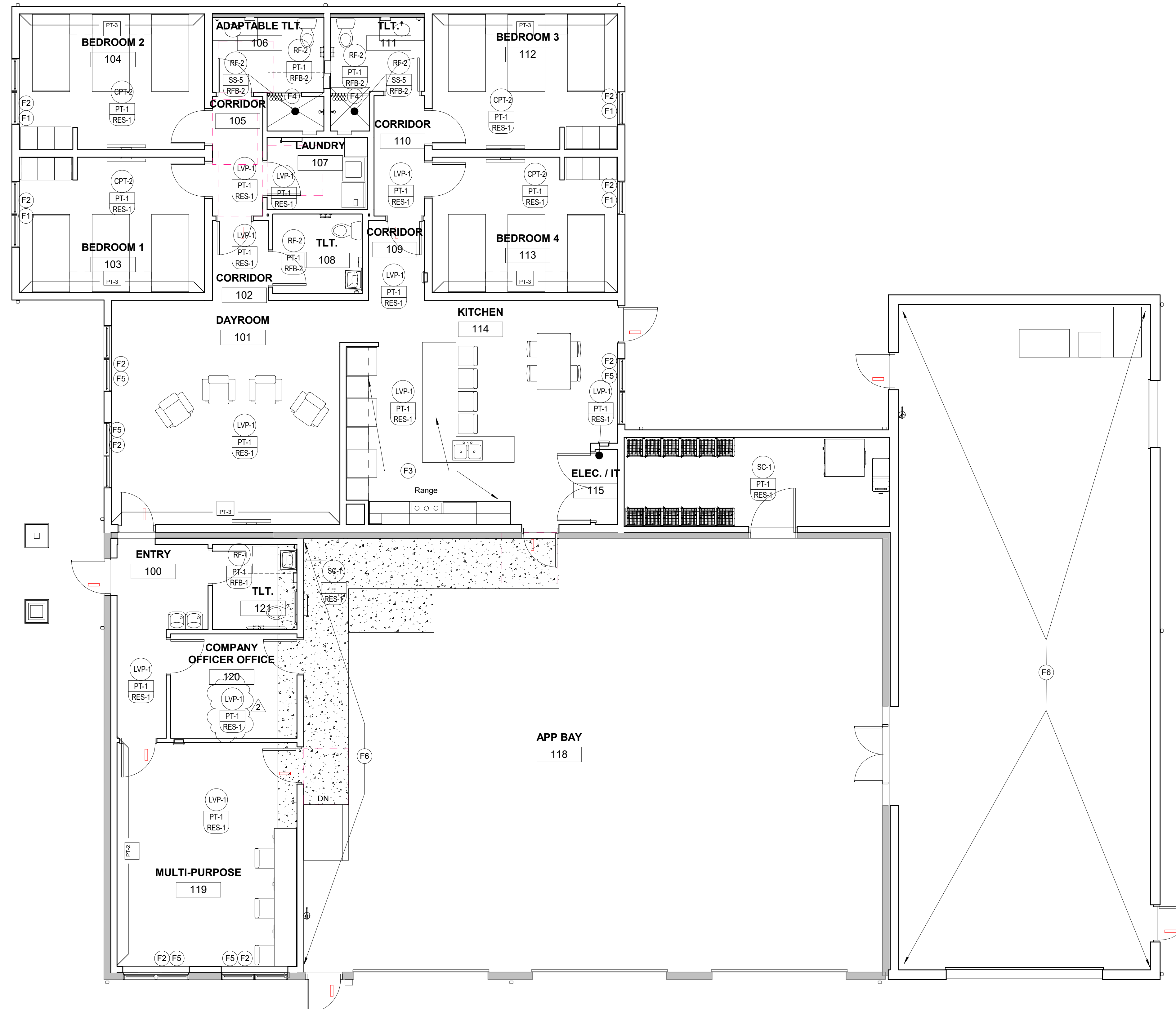
Symbol	Specification Section	Manufacturer	Series/Pattern	Color	Remarks
<b>Acoustical Panel Ceiling</b>					
APC-1	Acoustical Panel Ceiling	095113	USG	Frost - 440	24"x24"x3/4" SLB, 15/16" USG DX Grid or Approved Equal
APC-2	Acoustical Panel Ceiling	095113	Armstrong	Ultima High NRC - 2081	24X24X1 Beveled Tegular 15/16" Grid or Approved Equal
<b>Carpet Tile</b>					
CPT-1	Carpet Tile	096813	To be Determined		Admin. Flooring
CPT-2	Carpet Tile	096813	To be Determined		Living Quarters Flooring
<b>Glass mosaic Tile</b>					
GMT-1	Glass mosaic Tile	093000	To be Determined		Kitchen Backsplash
<b>High Pressure Laminate</b>					
HPL-1	High Pressure Laminate	064023	Wilsonart or Approved Equal		Admin. Casework
HPL-2	High Pressure Laminate	064023	Wilsonart or Approved Equal		Living Quarters Casework
HPL-3	High Pressure Laminate	064023	Wilsonart or Approved Equal		Typical Restroom Sink Apron. 2
<b>Luxury Vinyl Plank</b>					
LVP-1	Luxury Vinyl Plank	096519	To be Determined		Admin. Flooring
LVP-2	Luxury Vinyl Plank	096519	To be Determined		Living Quarters Flooring
<b>Paint</b>					
PT-1	Paint	099123	Sherwin Williams or Approved Equal		Field Paint
PT-2	Paint	099123	Sherwin Williams or Approved Equal		Admin. Accent Paint
PT-3	Paint	099123	Sherwin Williams or Approved Equal		Living Quarters Accent Paint
PT-4	Paint	099123	Sherwin Williams or Approved Equal		Soffit Paint
<b>Resilient Base</b>					
RES-1	Resilient Base	096513	Tarkett or Approved Equal	4" Vinyl Cove Base	Typical Base
RES-2	Resilient Base	096513	Tarkett or Approved Equal	Profile Base - Monument MW-XX-S4	Base at Kitchen Casework
<b>Resinous Floor</b>					
RF-1	Resinous Floor	096723	Tnemec or Approved Equal	Deco Fiec	Admin. Toilet Rooms
RF-2	Resinous Floor	096723	Tnemec or Approved Equal	Deco Fiec	Living Quarters Toilet Rooms
<b>Resinous Floor Base</b>					
RFB-1	Resinous Floor Base	096723	Tnemec or Approved Equal	Deco Fiec	Admin. Toilet Rooms
RFB-2	Resinous Floor Base	096723	Tnemec or Approved Equal	Deco Fiec	Living Quarters Toilet Rooms
<b>Rubber Flooring</b>					
RUF-1	Rubber Flooring	096516	Ecore or Approved Equal	Performance Motivate	Weight Room
<b>Sealed Concrete</b>					
SC-1	Sealed Concrete	096519			
<b>Solid Surface</b>					
SS-1	Solid Surface	064023	Corian or Approved Equal		Admin. Countertops
SS-2	Solid Surface	064023	Corian or Approved Equal		Living Quarters Countertops
SS-3	Solid Surface	064023	Corian or Approved Equal		Living Quarters Kitchen Countertops
SS-4	Solid Surface	064023	Corian or Approved Equal		Window Sills
SS-5	Solid Surface	064023	Corian or Approved Equal		Shower Walls
<b>Window Shade</b>					
WS-1	Window Shade	122413	Mecho Shade or Approved Equal	Mecho / 5	Light Filtering Fabric - 3% Color as selected by Architect from Full Range Non-Bunk Room Windows
WS-2	Window Shade	122413	Mecho Shade or Approved Equal	Mecho / 5	Blackout Fabric - color as Selected by Architect from Full Range. Bunk Rooms
<b>Wood Cabinets</b>					
WC-1	Wood Cabinets	123530	Kraftmaid or Approved Equal	Plain Slice White Maple	To Be Determined Living Quarters Kitchen Cabinets

**FINISH PLAN GENERAL NOTES**

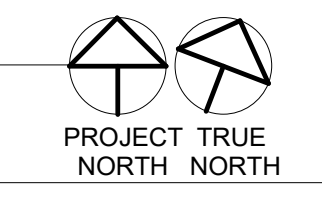
- REFER TO FINISH PLANS FOR EXTENT AND TYPE OF FLOOR AND WALL FINISHES.
- REFER TO REFLECTED CEILING PLANS FOR EXTENT OF CEILING TYPES.
- REFER TO INTERIOR ELEVATIONS FOR EXTENT AND TYPE OF MILLWORK FINISHES.
- WHERE FLOOR FINISHES CHANGE AT CASED OPENINGS, THE FINISH CHANGE SHALL OCCUR AT THE CENTERLINE OF THE CASED OPENING. WHERE FLOOR FINISHES CHANGE AT DOORWAYS, THE FINISH CHANGE SHALL OCCUR AT THE CENTERLINE OF THE DOOR IN THE CLOSED POSITION.
- FLOOR TRANSITIONS BETWEEN MATERIALS SHOULD BE FLUSH. FEATHER SUBFLOOR TO MAKE FLUSH TRANSITION AS REQUIRED.
- ALL HOLLOW METAL FRAMES TO BE PAINTED. COLOR TO MATCH ADJACENT WALL PAINT.
- PROVIDE MOISTURE MITIGATION IN BASE COAT OF RESINOUS FLOORING.
- ALL PLUMBING WALLS AND ALL WALLS/PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS TO HAVE MOISTURE RESISTANT GWB. EXTERIOR WINDOW HEADS/JAMBS THAT ARE TO HAVE GWB ARE TO HAVE MOISTURE RESISTANT GWB.

**KEYED NOTES - FINISH PLAN**

- WINDOW SHADE WS-2.
- 1/2" SOLID SURFACE WINDOW SILL. (SS-4) NOTE THAT SILL TO RETURN DOWN 1" AND TO EXTEND BEYOND WINDOW JAMBS BY 1/2".
- INSTALL PROFILE RESILIENT BASE (RES-2) AT ALL CABINETS.
- SEAL ALL PERIMETER EDGES OF SS WALL PANELS WITH CLEAR SEALANT. FLOOR TO SLOPE TO DRAIN. RESINOUS FLOOR TO HAVE ADDED NO SLIP TEXTURE IN SHOWER AREA.
- WINDOW SHADE WS-1.
- METAL LINER PANEL TO MATCH EXISTING FULL HEIGHT OF WALL.



1 FINISH PLAN  
 A961 3/16" = 1'-0"



WCFPD - Station 3  
 Wright City Fire Protection District  
 9 Highway WW Wight City, MO

**Revisions:**

No.	Date	Description
2	2025-09-30	Add No. 2

**Sheet Info:**  
 ROOM FINISH PLAN AND LEGEND

Drawn By: Author  
 Checked By: Checker  
 Commission: 025-2125  
 Date: 2025-09-11

**A961**

**NOTE:**  
ALL DIMENSIONS ARE FROM FACE OF FOUNDATION WALL OR FRAMING;  
EDGE OF SLAB OR TRUSS/RATIER, OR CENTERLINE  
OF COLUMN, BEAM, OR JOIST UNLESS NOTED OTHERWISE.

← S100'-0" TOP OF SLAB ELEVATION

**FOUNDATION NOTES**

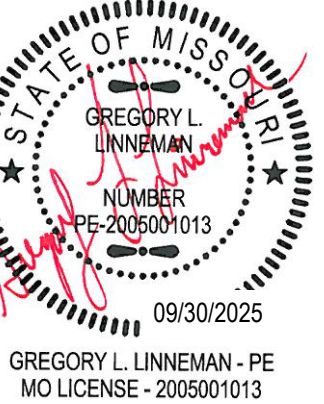
- REINFRANT CORNER BARS, REFER TO TYPICAL CRACK CONTROL REINFORCING DETAIL ON SHEET S210.
- FOOTING STEP, REFER TO DETAIL F51/S211.
- SLAB FOR SHOWER BASE TO BE CAST SEPARATE, COORDINATE w/ CONTRACTOR. VERIFY SIZE AND LOCATION w/ ARCH. PRIOR TO INSTALL.
- FRENCH DRAIN, REFER TO ARCHITECTURAL PRINTS FOR EXACT SIZE, LOCATION & ELEVATION.



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GREGORY L. LINNEHAN - PE  
MO LICENSE - 200501013

**WCFPD Station 3**  
**Wright City Fire Protection District**  
9 Highway WW  
Wright City, MO 63390

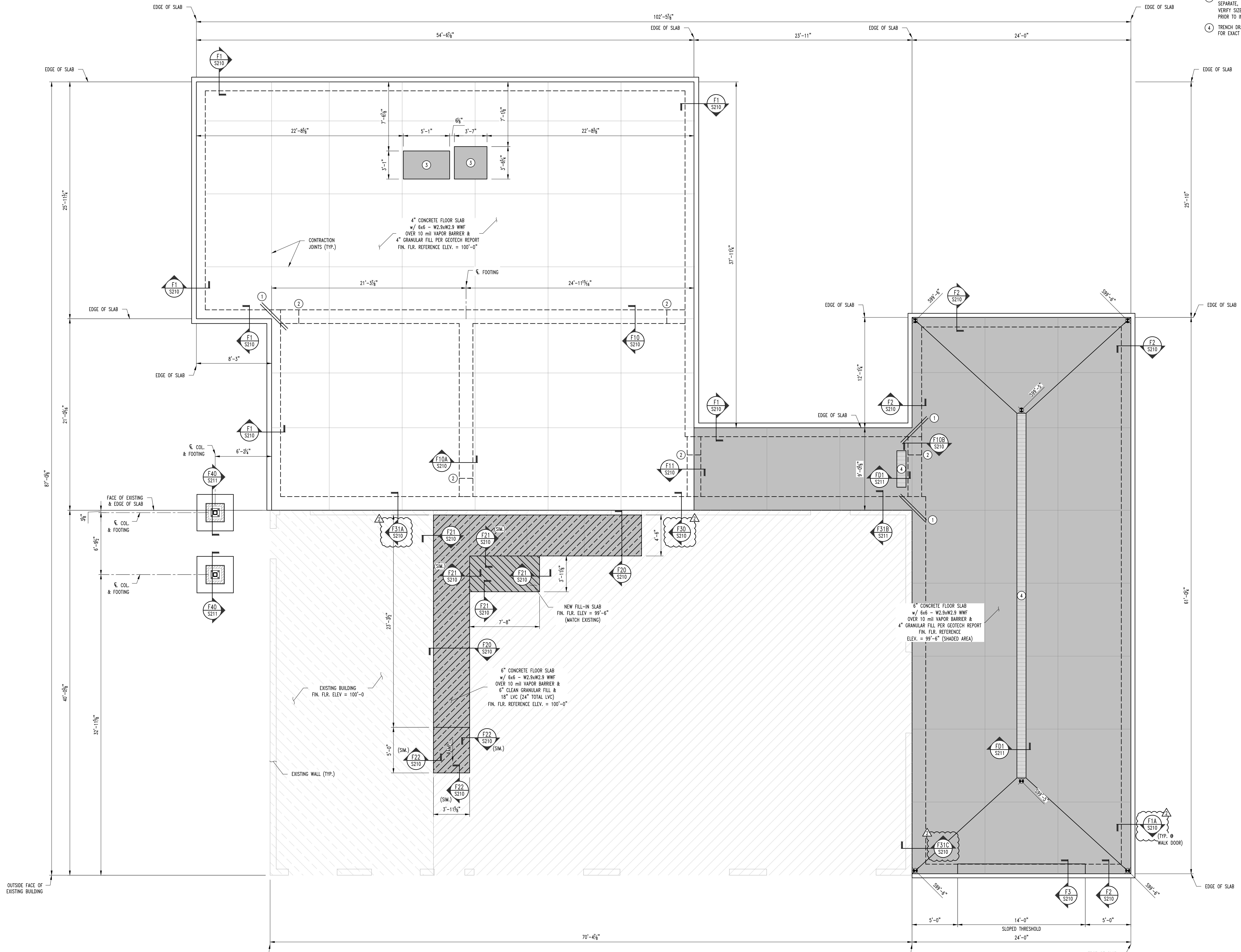
**Revisions:**

No.	Date	Description
1	8-19-25	ADDENDUM #1
2	8-20-25	ADDENDUM #2

**Sheet Info:**

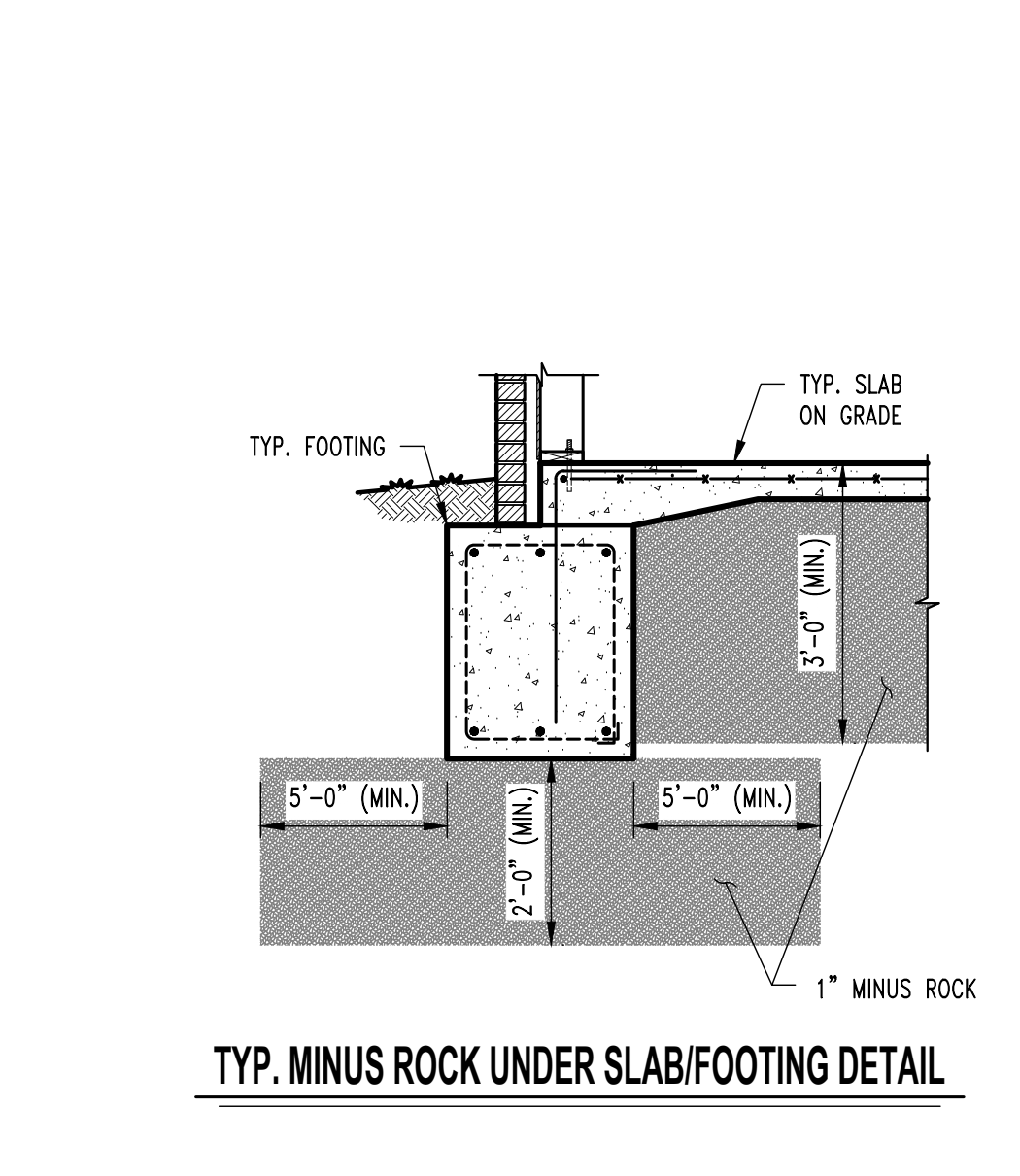
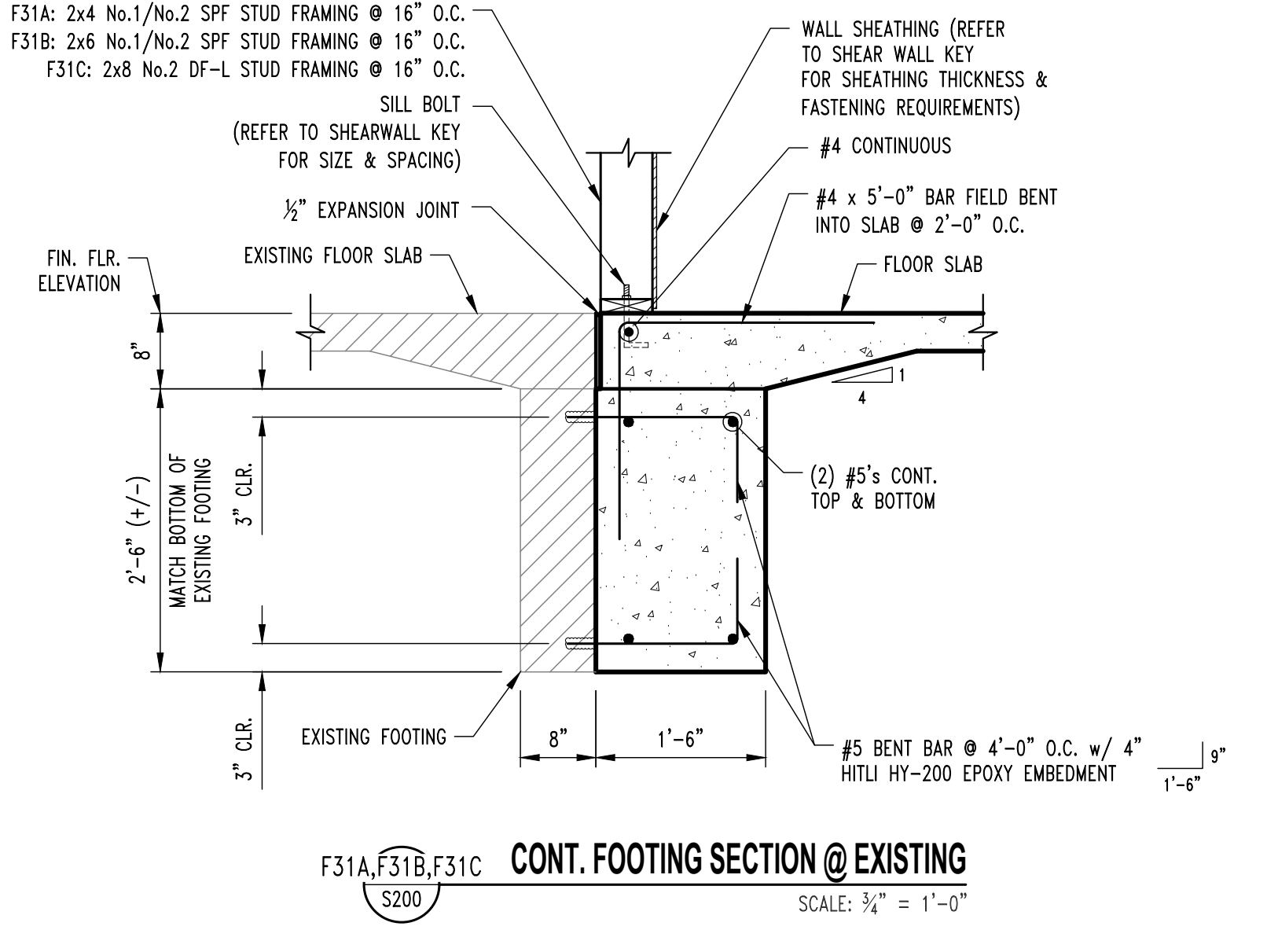
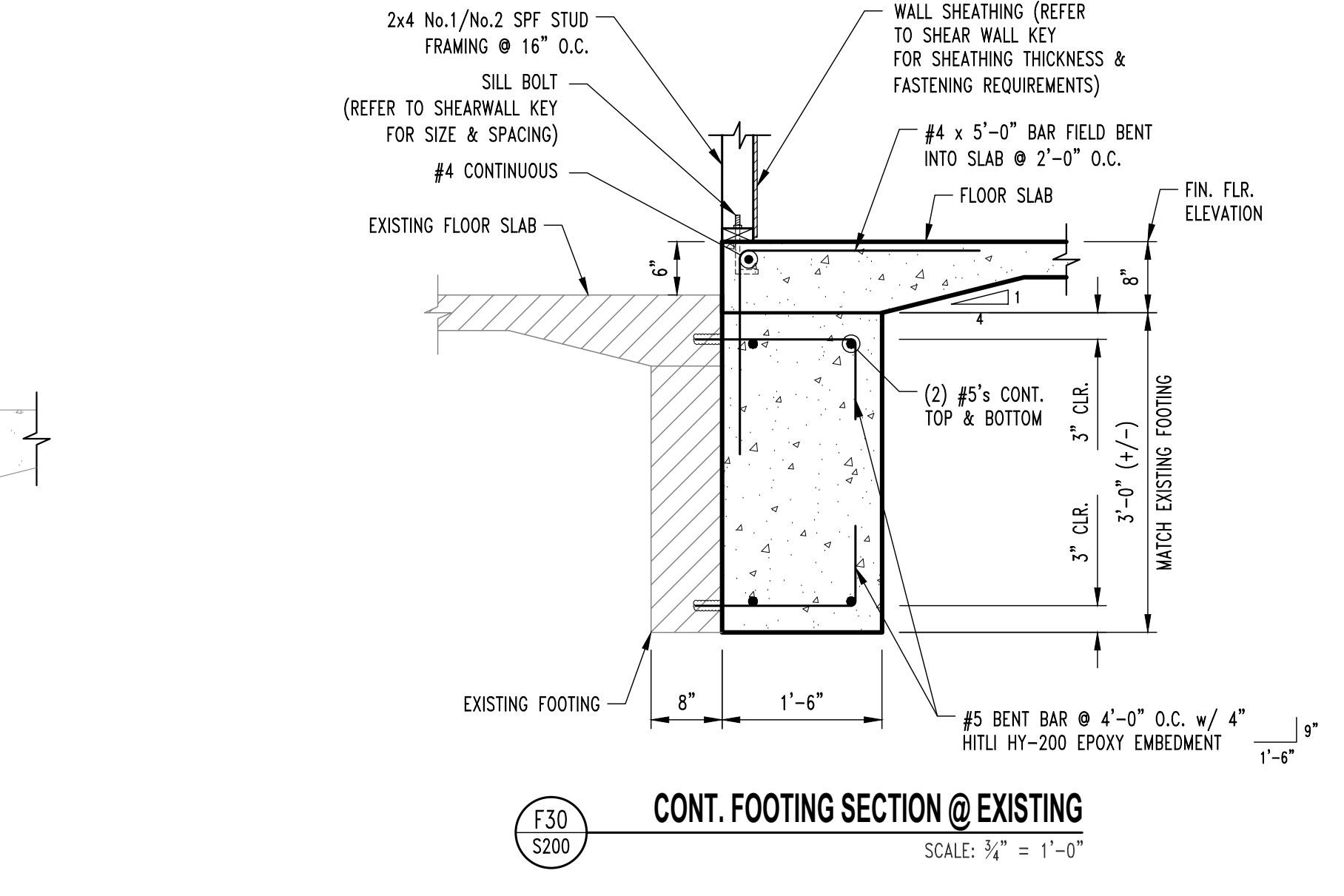
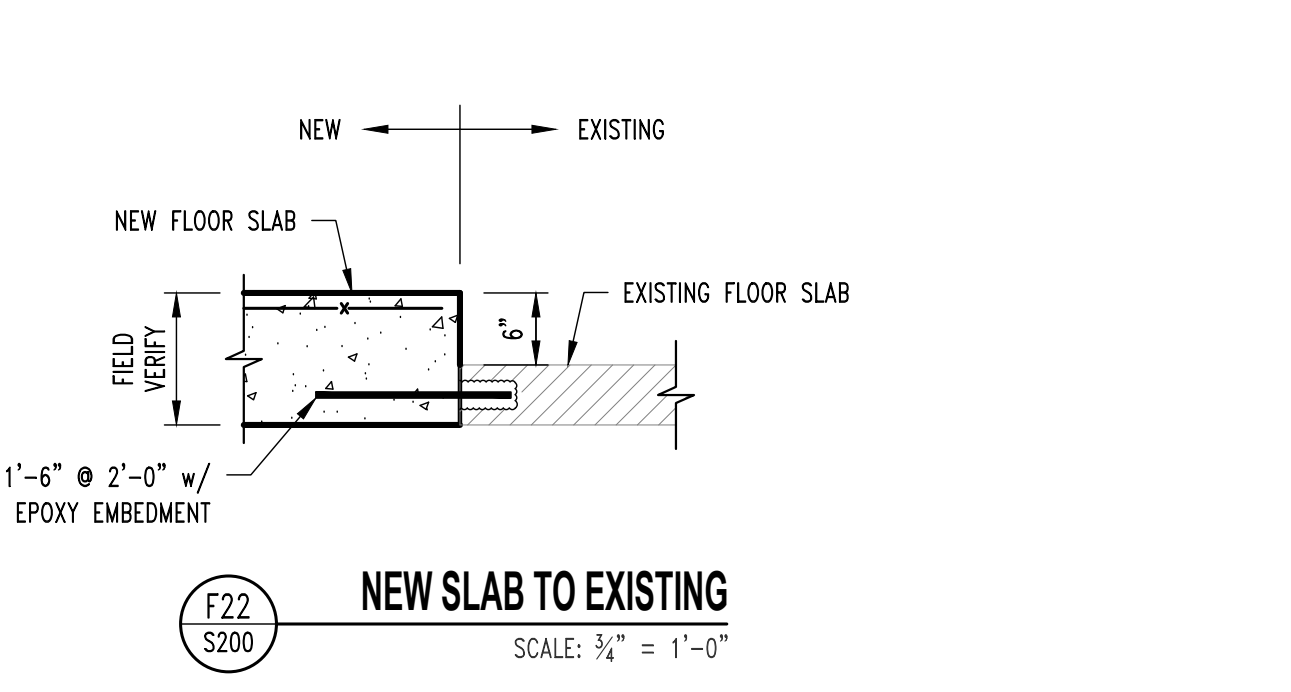
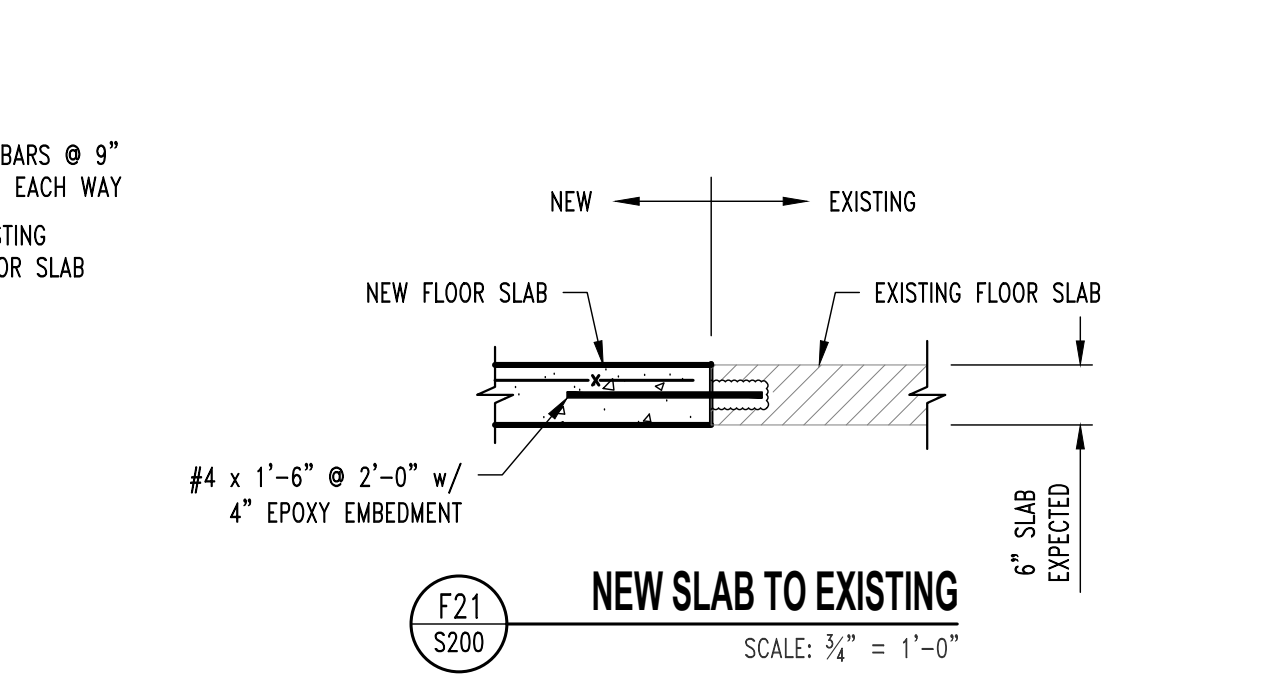
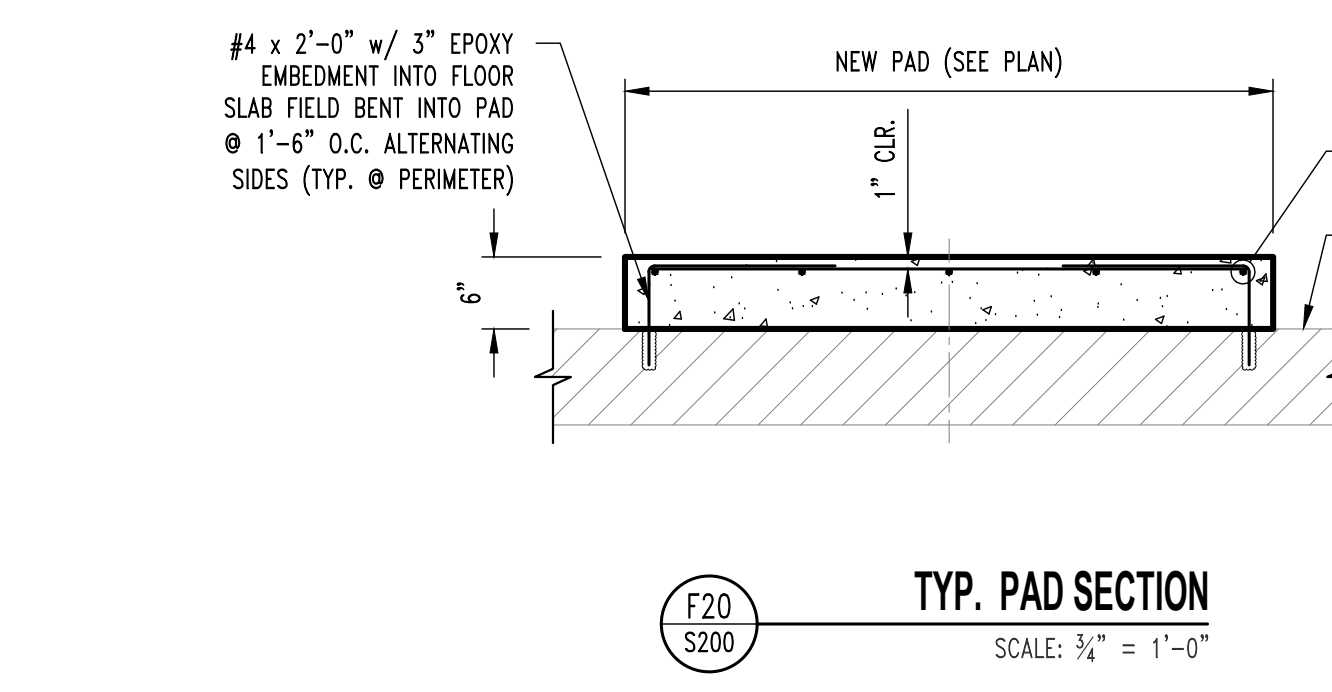
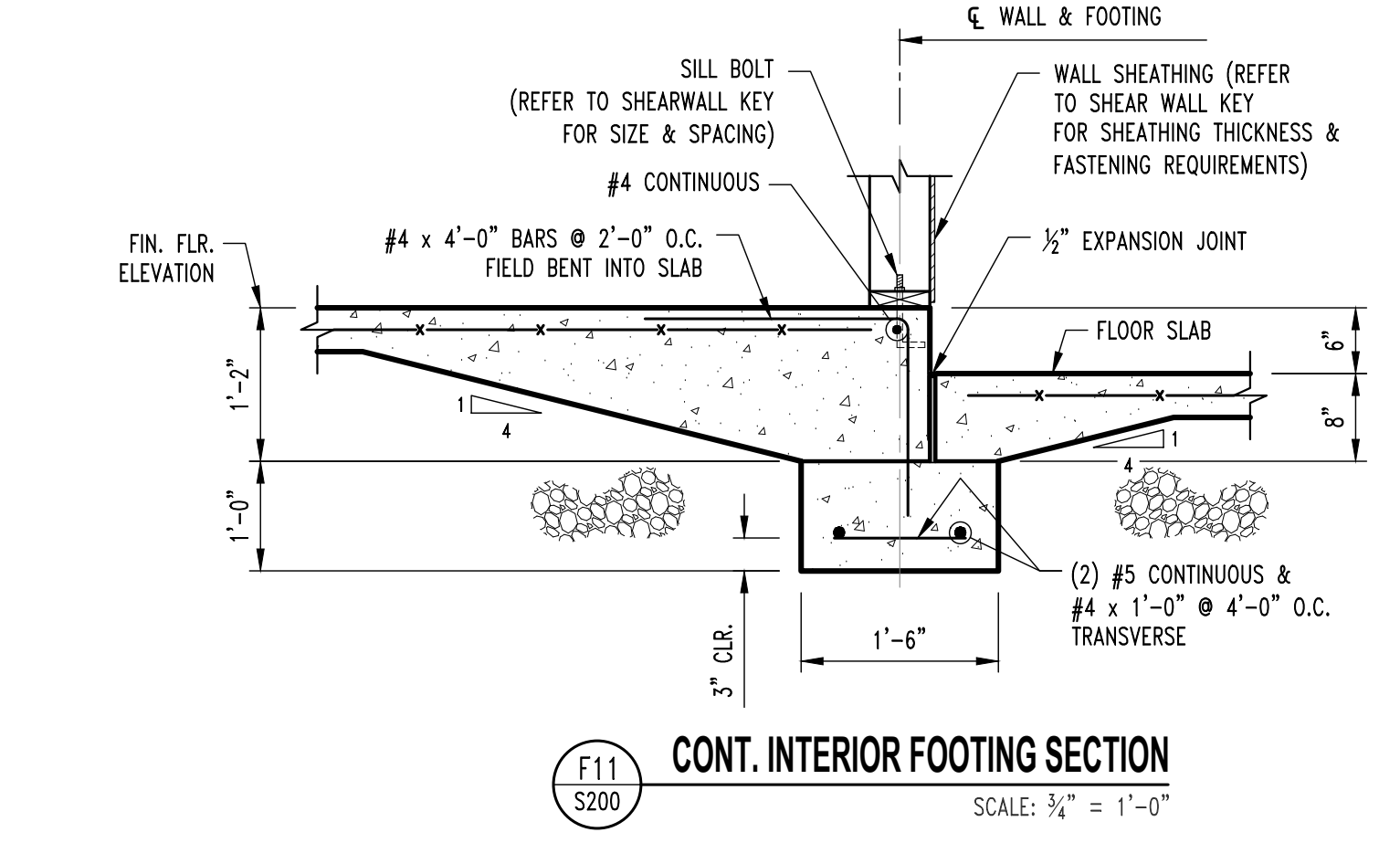
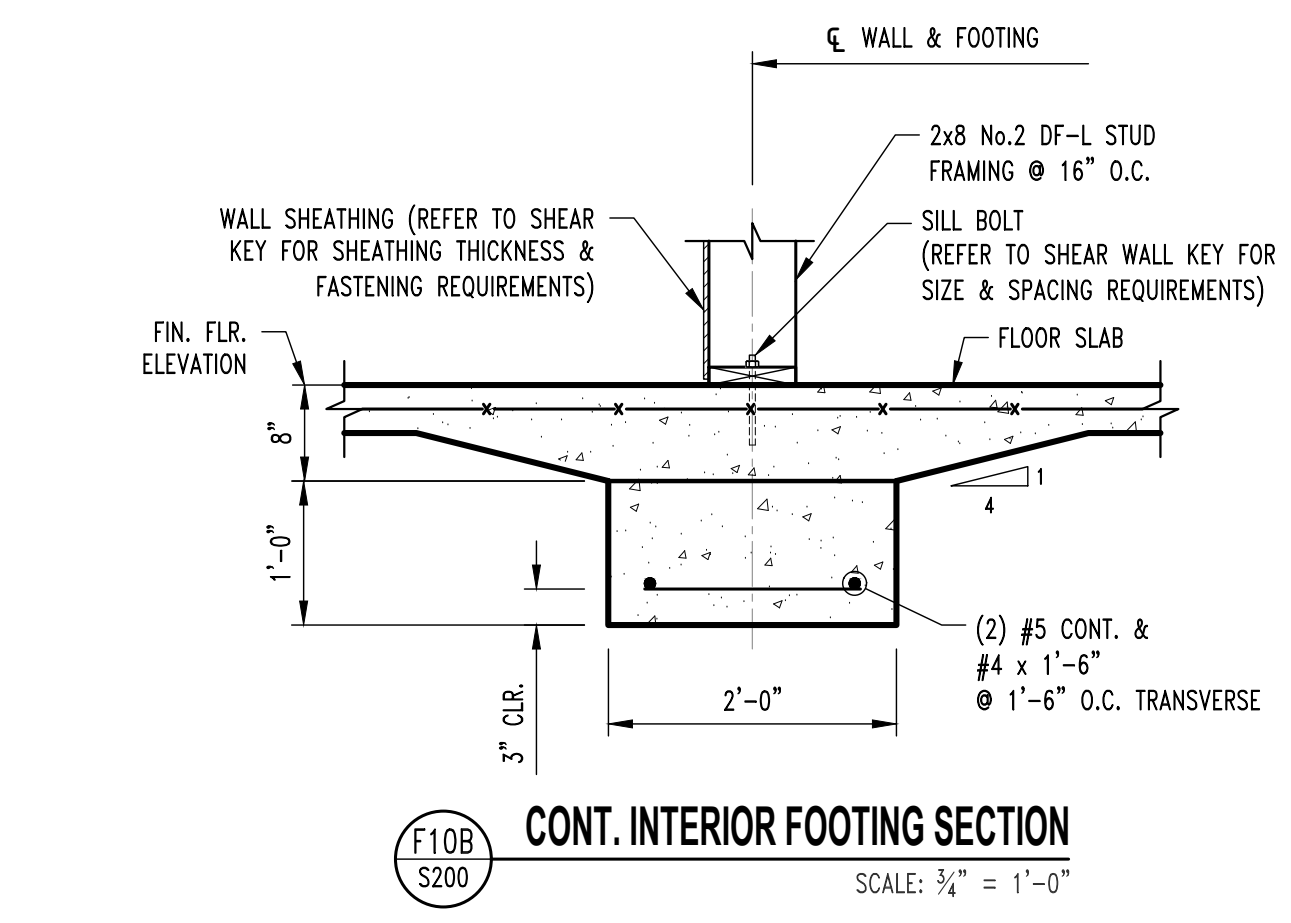
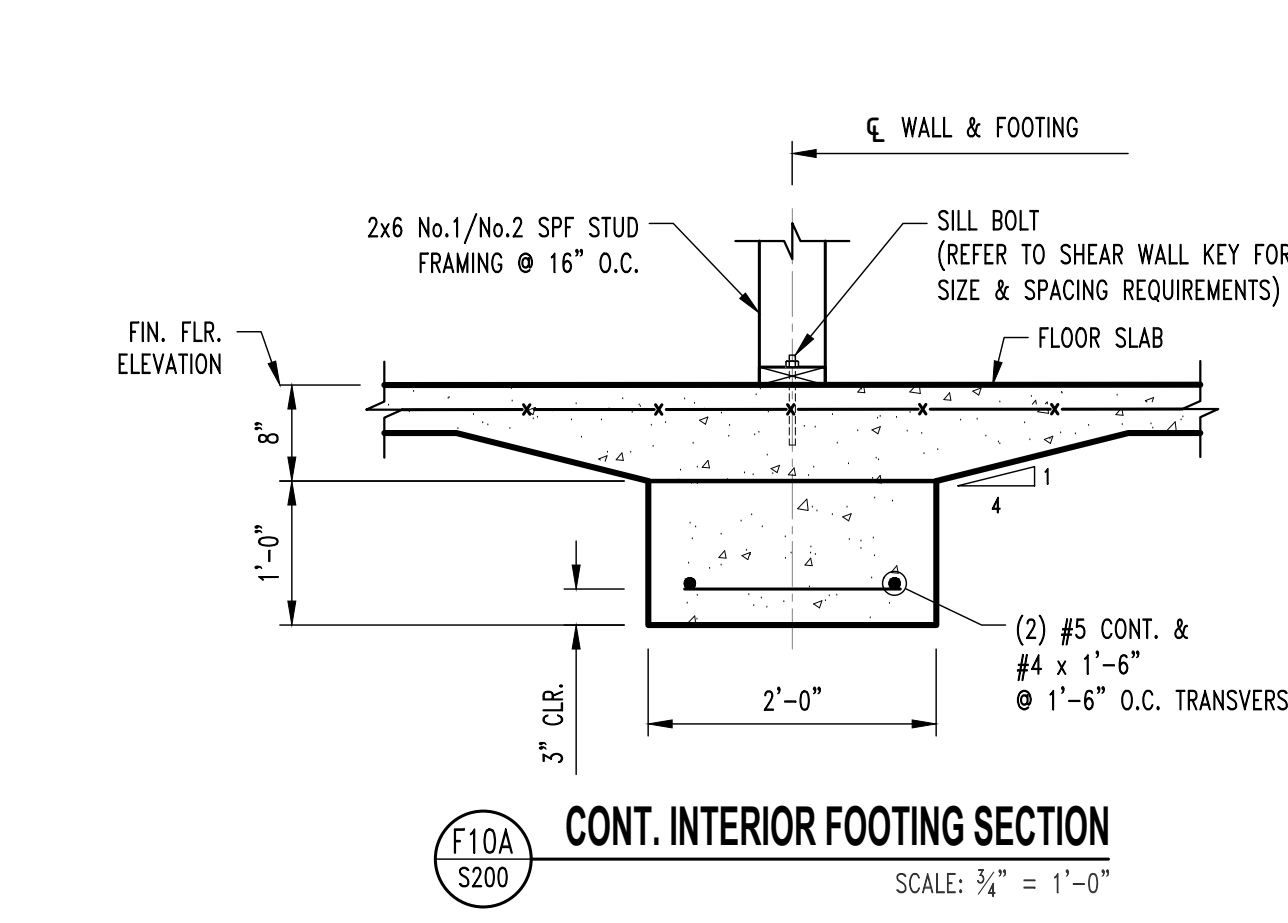
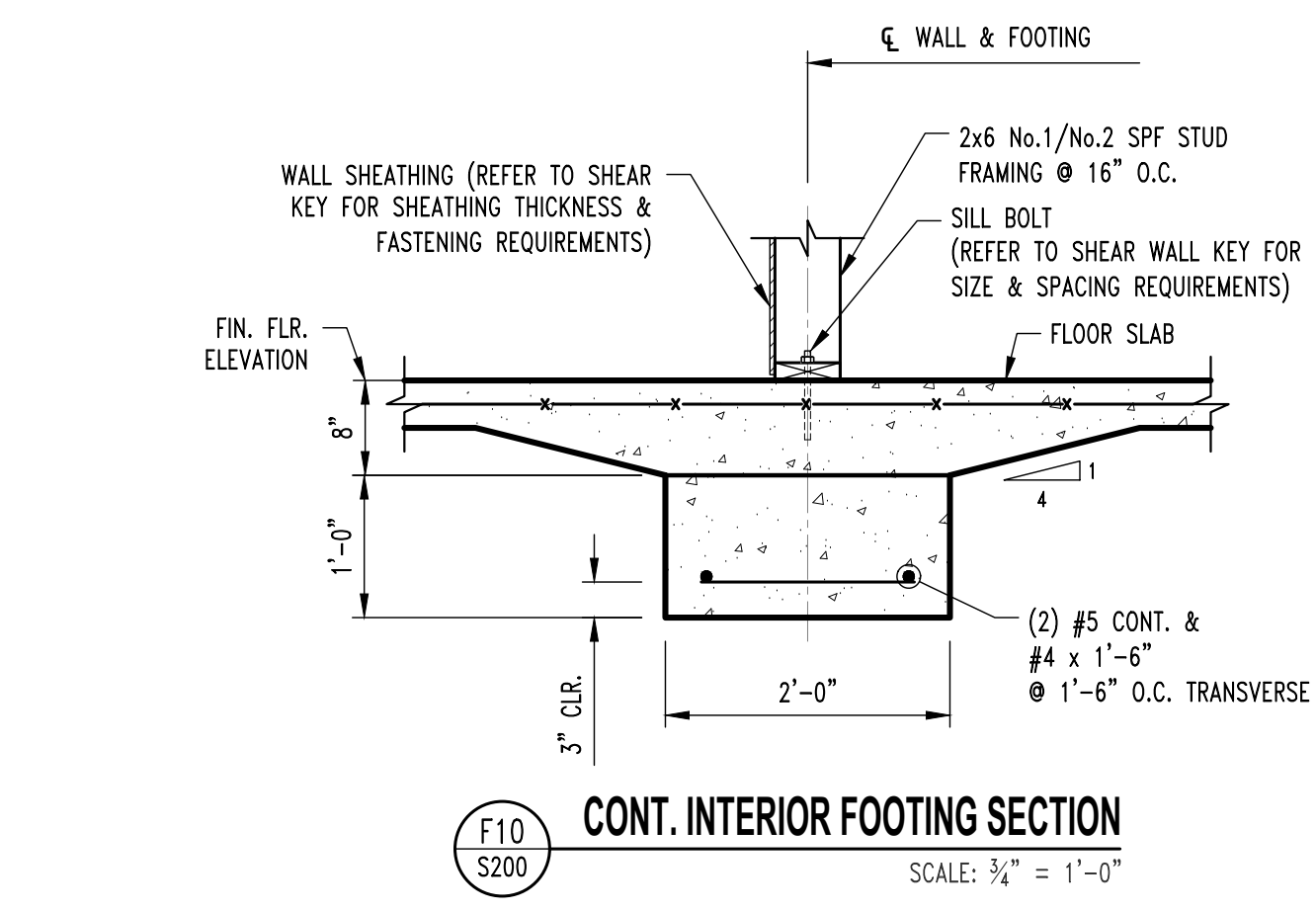
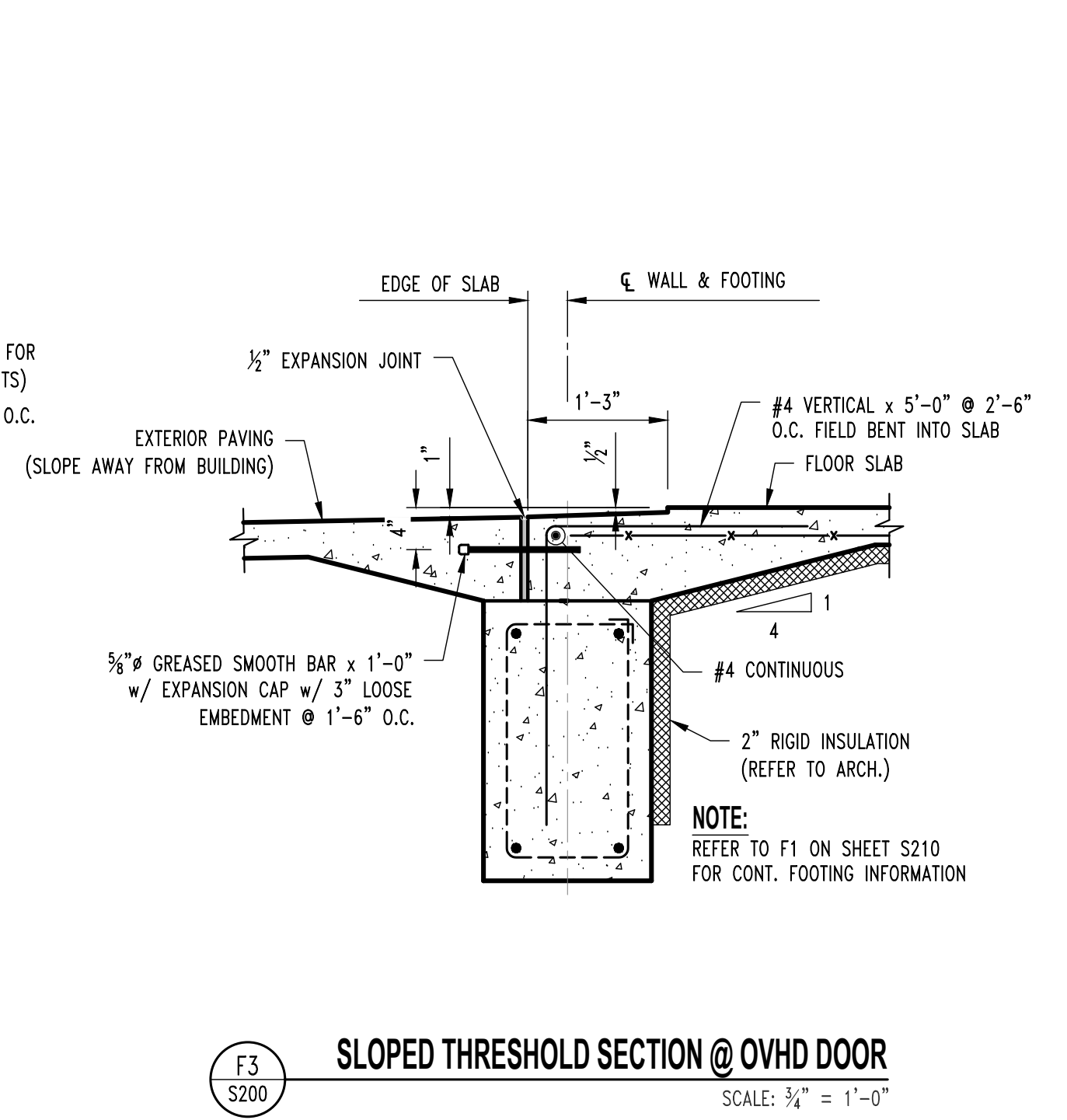
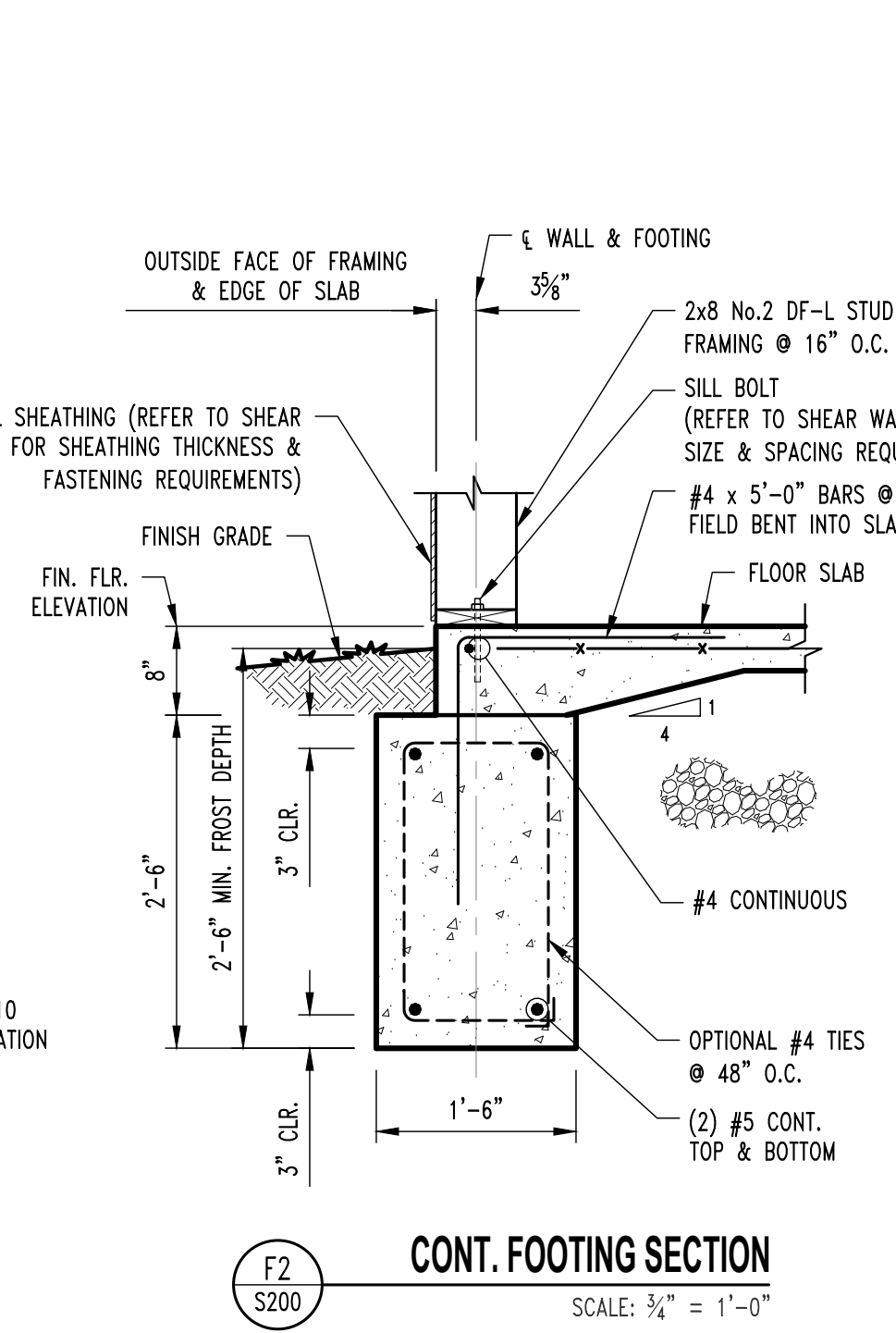
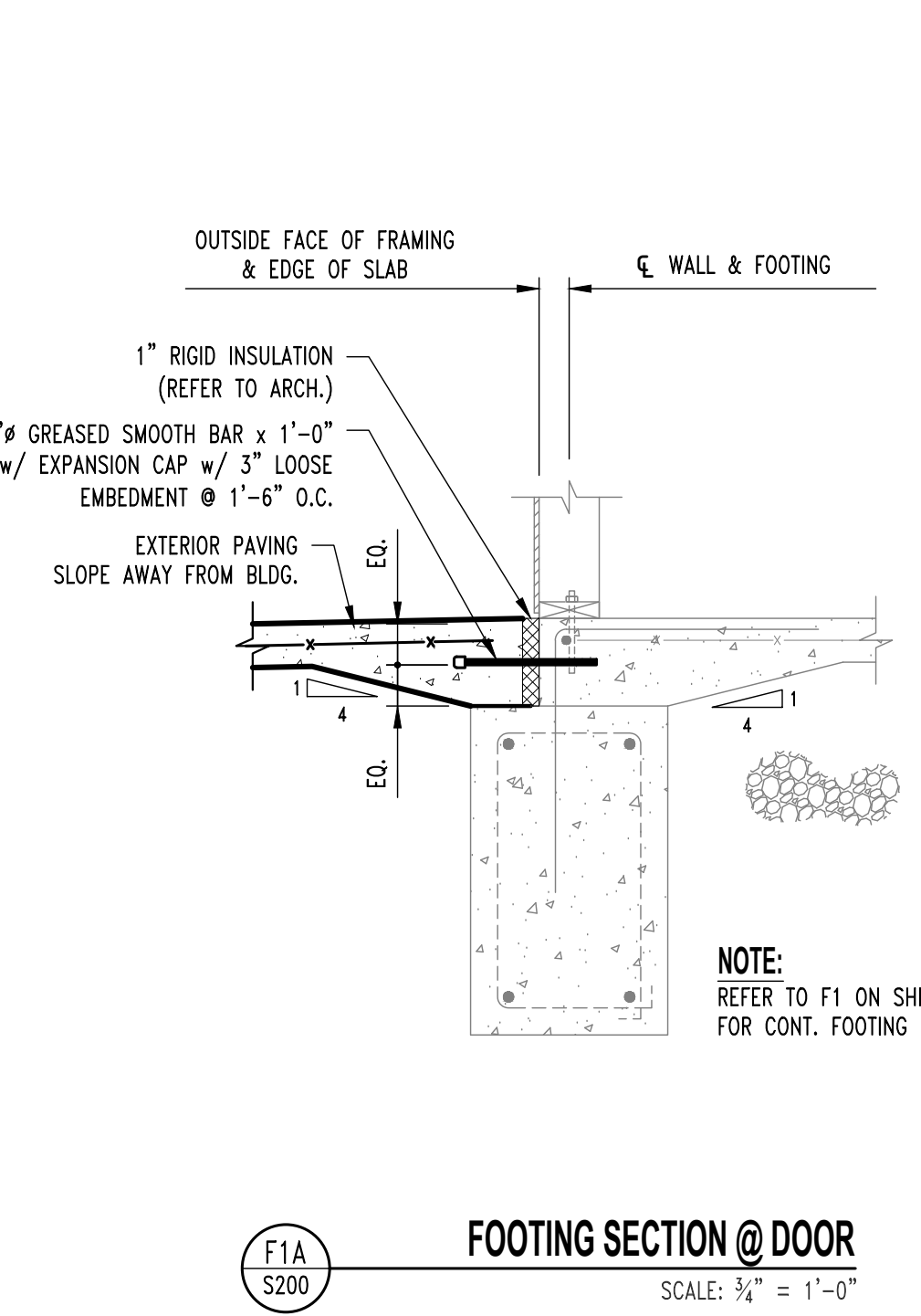
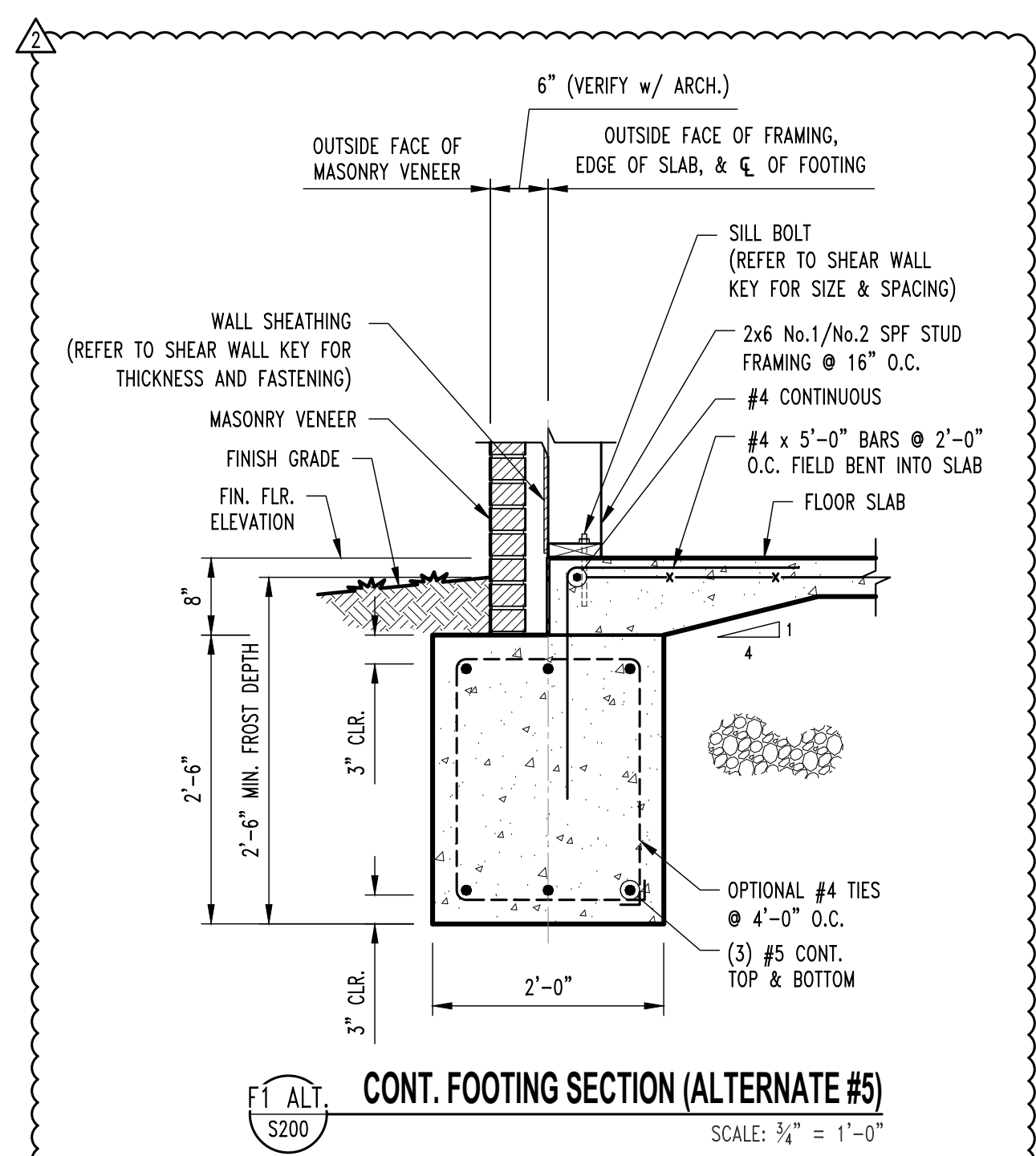
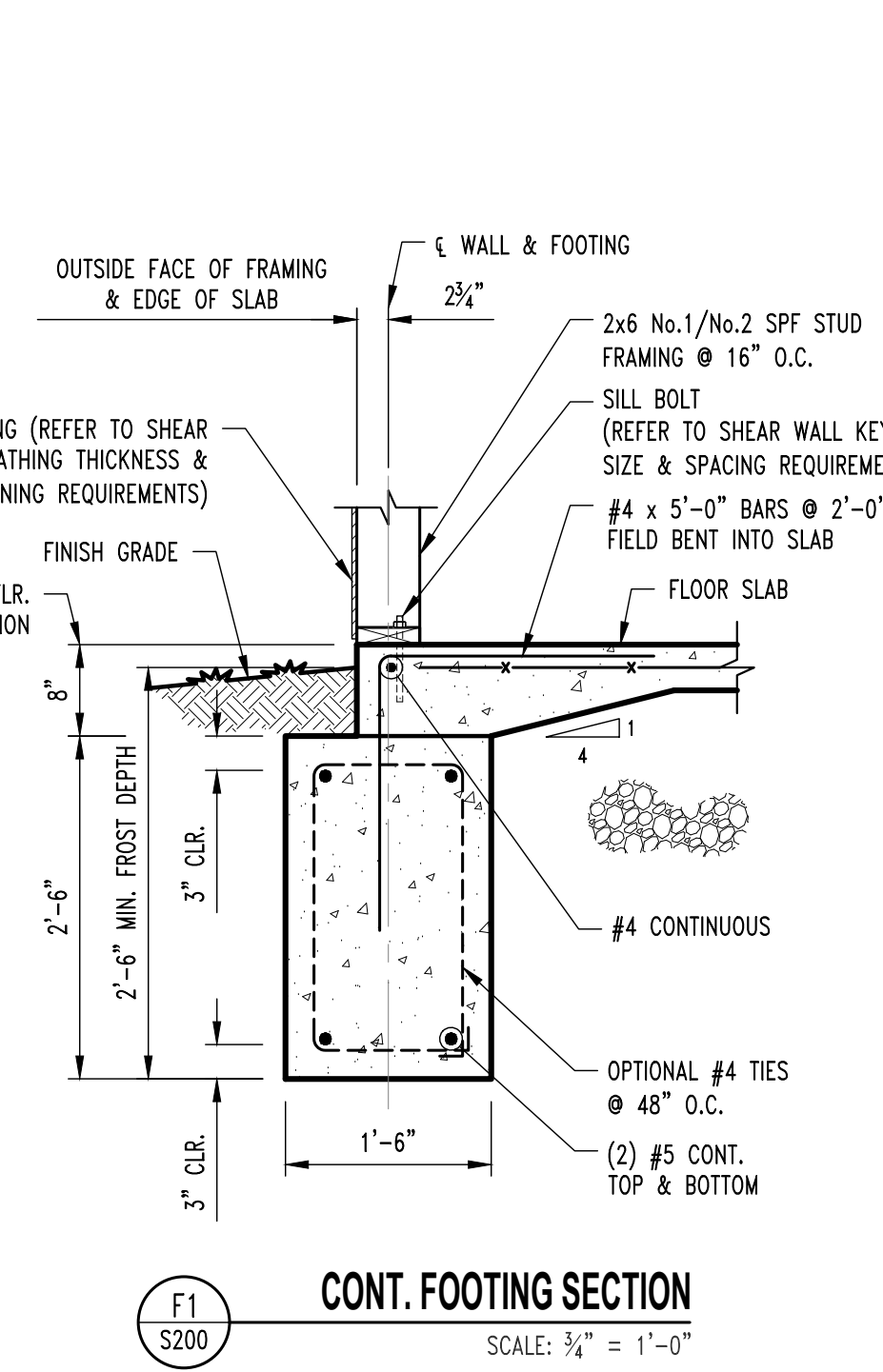
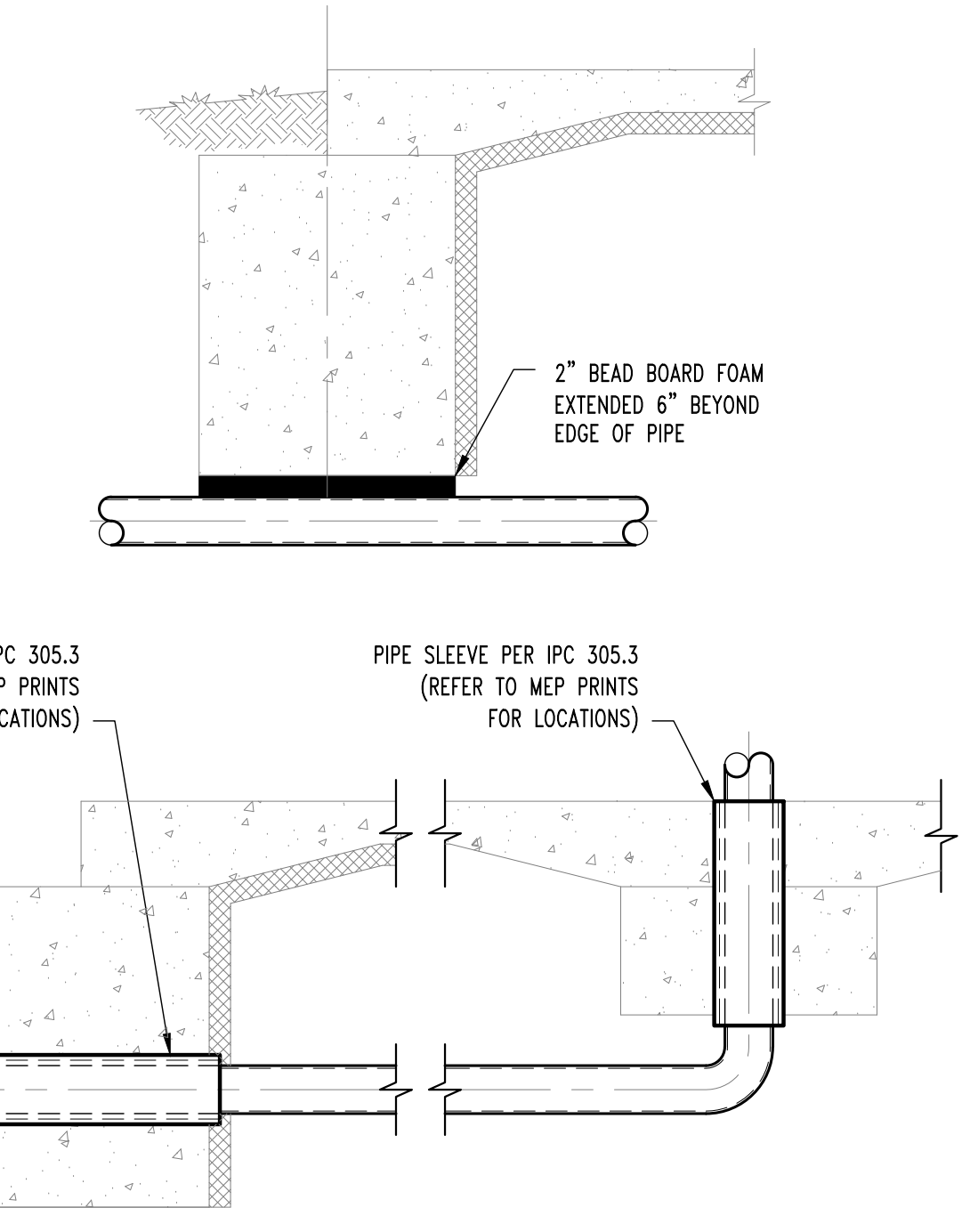
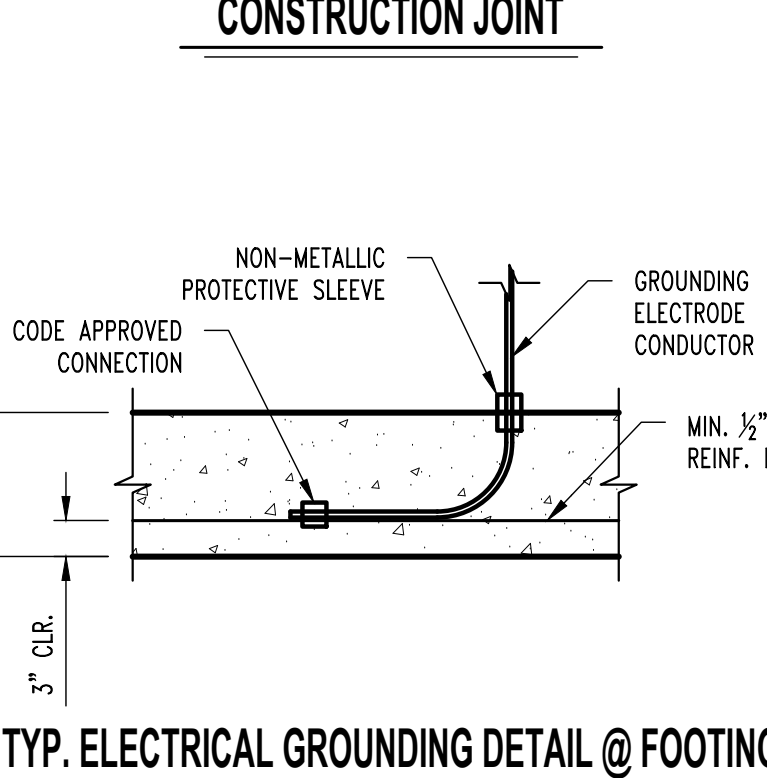
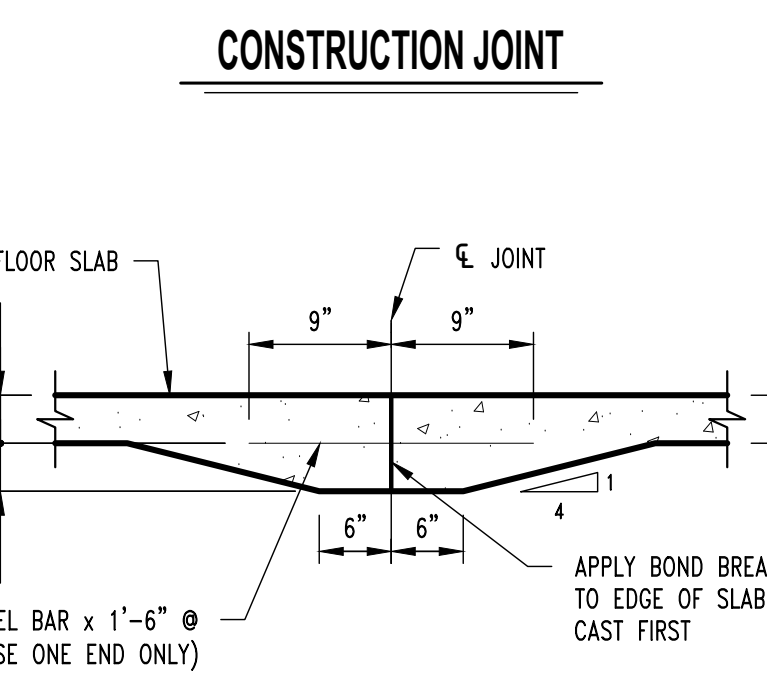
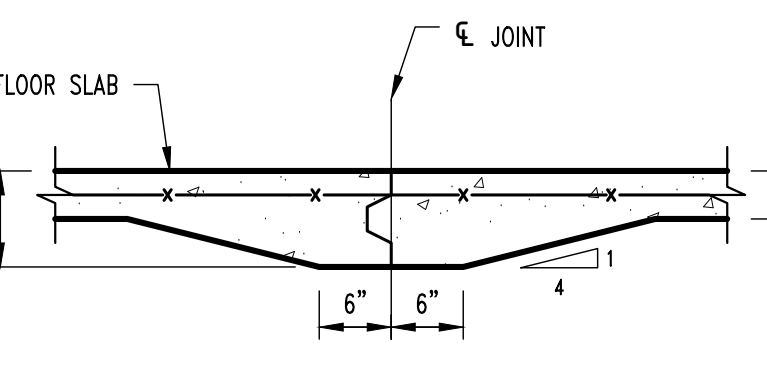
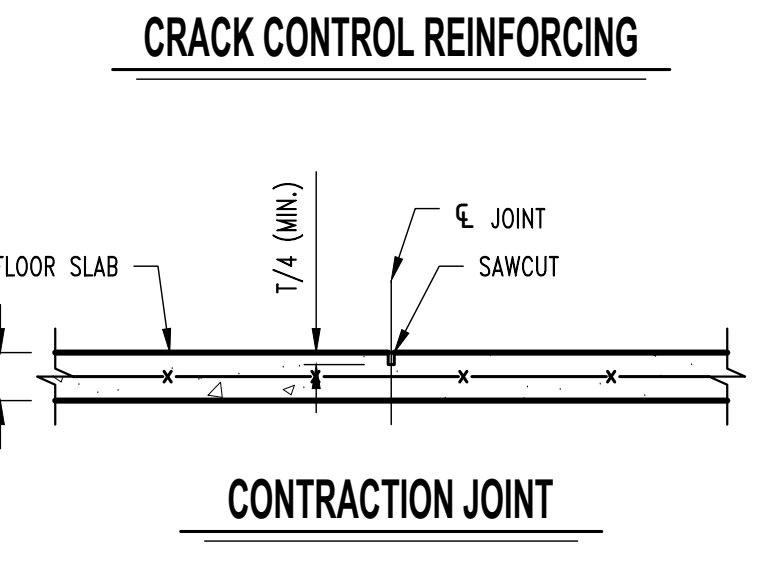
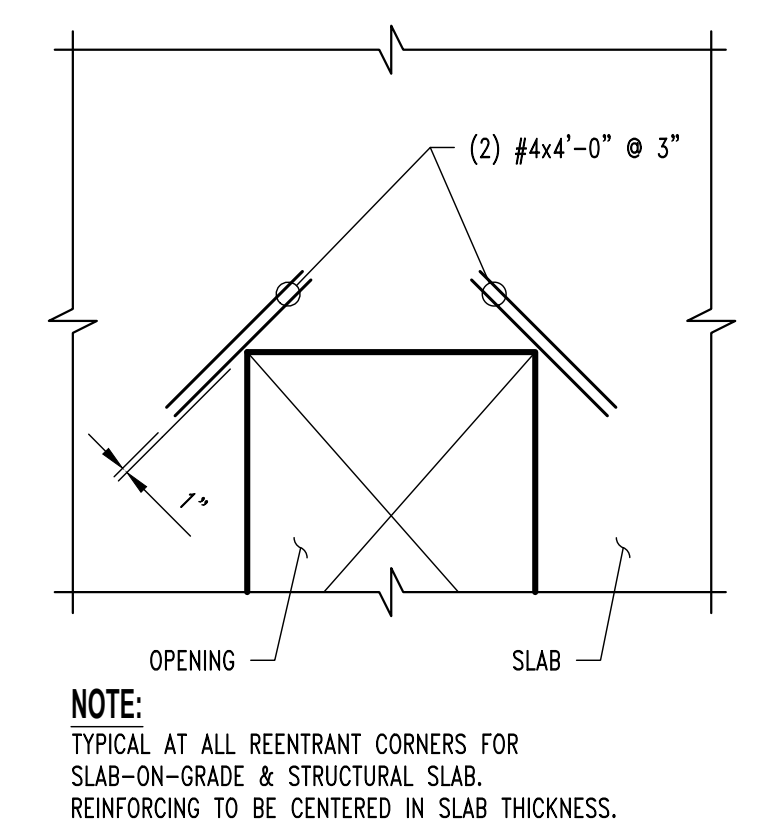
<b>FOUNDATION PLAN</b>	
Drawn By:	TGS
Checked By:	GLL
Commission:	025-2125
Date:	2025-09-11

**S200**



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

**NOTE:**  
F MINUS ROCK UNDER FOOTINGS & SLAB TO BE ALTERNATE. REFER TO TYP. DETAIL ON SHEET S210 FOR ROCK EXTENTS.



Revisions:

No.	Date	Description
1	8-19-05	ADDendum #1
2	8-30-05	ADDendum #2

Sheet Info:

**FOUNDATION DETAILS**

Drawn By:	TGS
Checked By:	GLL
Commission:	025-2125
Date:	2025-09-11

**NOTE:**  
ALL DIMENSIONS ARE FROM FACE OF FOUNDATION WALL OR FRAMING;  
EDGE OF SLAB OR TRUSS/RATIER, OR CENTERLINE  
OF COLUMN, BEAM, OR JOIST UNLESS NOTED OTHERWISE.

**ROOF FRAMING NOTES**

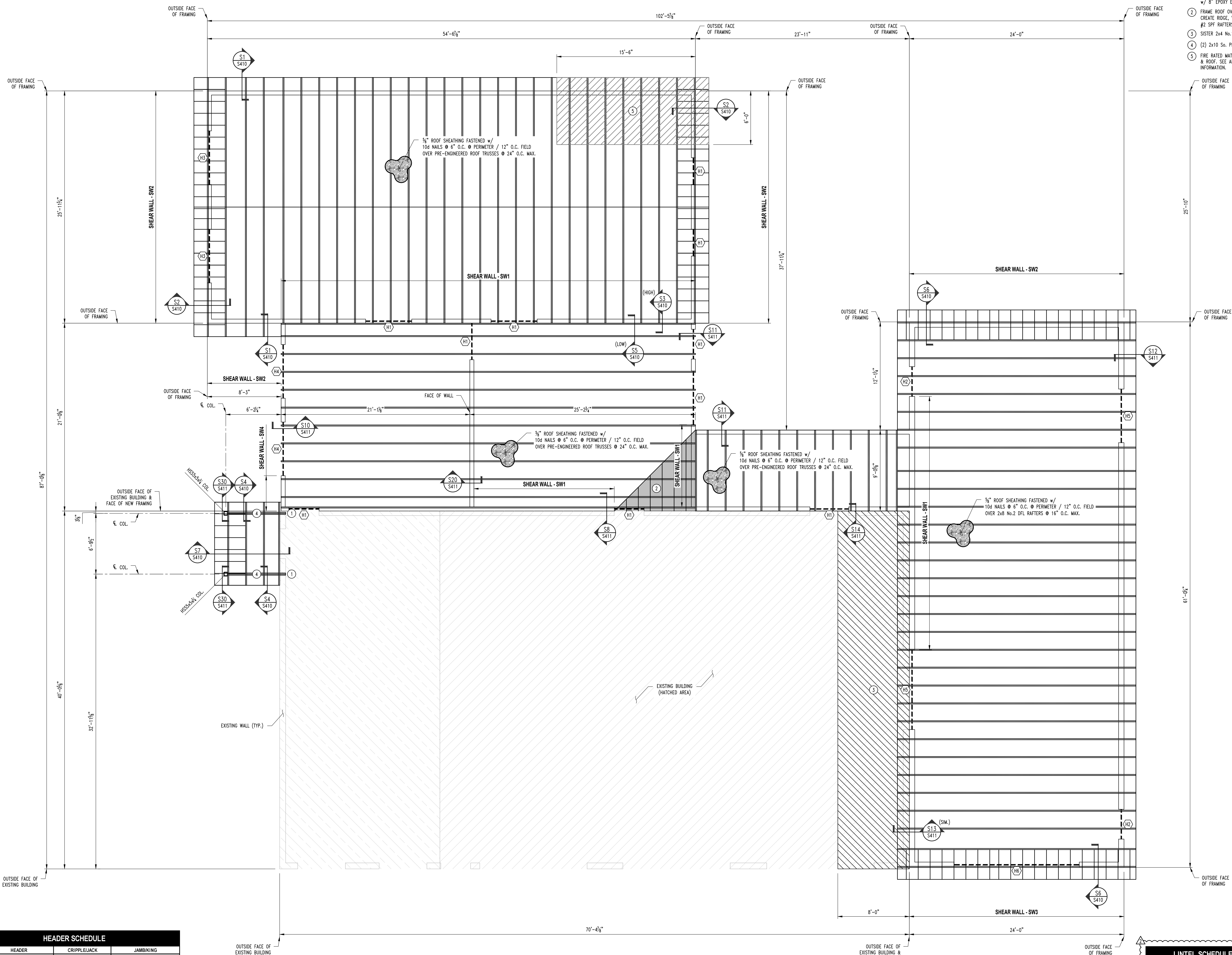
- 1 PROVIDE 3-PLY 2x6 STUD PACK IN WALL FASTENED TO FLOOR SLAB w/ SIMPSON LITPZ HOLD DOWN w/ (12) 10d NAILS TO STUD PACK & w/ A307 THREADED ROD w/ 8" EPOXY EMBEDMENT (12" TOTAL) INTO FOOTING.
- 2 FRAME ROOF OVER PRE-ENGINEERED TRUSSES TO CREATE RIDGE, VALLEY, OR HIP AS SHOWN w/ 2x #2 SPF RAFTERS @ 16" O.C. MAX.
- 3 SISTER 2x4 No.1/No.2 SPF TO EACH EXISTING PURLIN.
- 4 (2) 2x10 So. Pine No.1 TREATED
- 5 FIRE RATED MATERIALS REQUIRED THIS AREA OF WALLS & ROOF. SEE ARCHITECTURAL DRAWINGS FOR SPECIFIC INFORMATION.

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**GREGORY L. LINNEMAN**  
REGISTERED PROFESSIONAL ENGINEER  
NUMBER: PE-200901013  
09/30/2025  
GREGORY L. LINNEMAN - PE  
MO LICENSE - 200901013

**WCFPD Station 3**  
Wright City Fire Protection District  
9 Highway WW  
Wright City, MO 63390



**HEADER SCHEDULE**

LABEL	HEADER	CRIPPLE/JACK	JAMBUKING
"H1"	2 Ply 2x8 Doug. Fr. No.2	Single Ply 2x6 SPF No.1/No.2	Single Ply 2x6 SPF No.1/No.2
"H2"	2 Ply 2x8 Doug. Fr. No.2	Single Ply 2x8 Doug. Fr. No.2	3 Ply 2x8 Doug. Fr. No.2
"H3"	2 Ply 2x8 Doug. Fr. No.2	Single Ply 2x6 SPF No.1/No.2	2 Ply 2x8 SPF No.1/No.2
"H4"	2 Ply 2x8 Doug. Fr. No.2	2 Ply 2x6 SPF No.1/No.2	4 Ply 2x8 SPF No.1/No.2
"H5"	2 Ply 2x8 Doug. Fr. No.2	2 Ply 2x8 Doug. Fr. No.2	4 Ply 2x8 Doug. Fr. No.2
"H6"	2 Ply 2x10 Doug. Fr. Sel. Struct.	2 Ply 2x8 Doug. Fr. No.2	5 Ply 1.75x7.25 SPF MicroLam 2.0E

**NOTE:**  
REFER TO SHEET S300 FOR SHEAR WALL KEY.

**1**  
S400  
**ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"  
PLAN NORTH

**LINTEL SCHEDULE (ALTERNATE #5)**

LENGTH OF SPAN	MEMBER SIZE (GALVANIZED)
4'-0" & LESS	L4x4x1/4 WITH 6" BEARING EACH END
6'-0" & LESS	L6x4x3/8 (LLV) WITH 6" BEARING EACH END
8'-0" & LESS	L6x4x3/8 (LLV) WITH 6" BEARING EACH END
10'-0" & LESS	L8x4x1/2 (LLV) WITH 12" BEARING EACH END

**Revisions:**

No.	Date	Description
1	8-19-25	ADDENDUM #1
2	8-30-25	ADDENDUM #2

**Sheet Info:**

**ROOF FRAMING PLAN**

Drawn By: TGS  
Checked By: GLL  
Commission: 025-2125  
Date: 2025-09-11

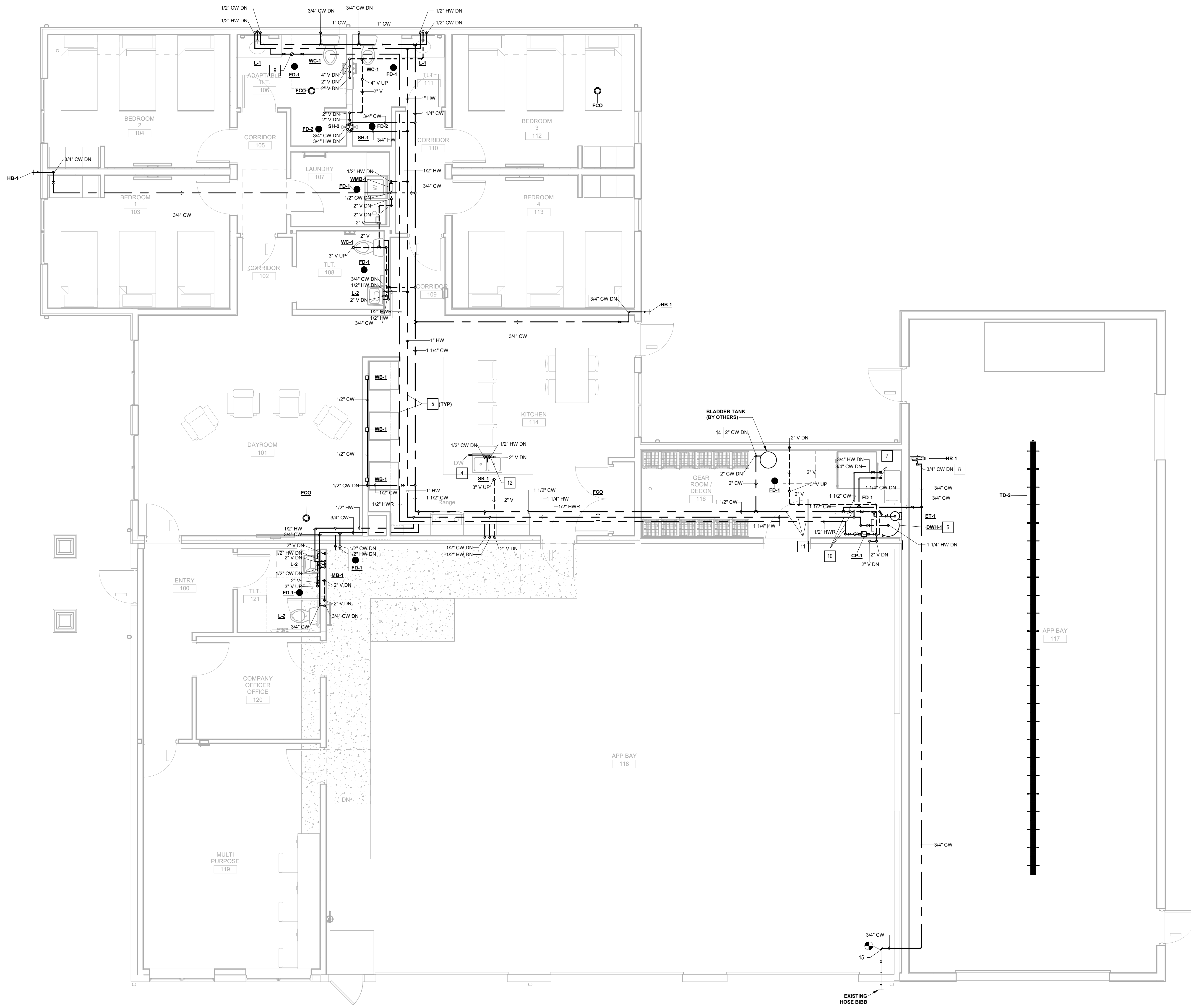
**S400**

**PLUMBING GENERAL NOTES**

1. FINISHED FLOOR ELEVATION = 100.00' (ARCH), XXX.XX' (USGS).

**PLUMBING KEYNOTES**

- 4 VALVE AND CAP 1/2" HOT WATER STUB OUT FOR DISHWASHER. FINAL CONNECTION BY OTHERS.
- 5 ROUTE PIPING OVERHEAD AS HIGH AS POSSIBLE TO AVOID STRUCTURE AND EXISTING OR NEW BUILDING COMPONENTS.
- 6 DOMESTIC TANK TYPE WATER HEATER. REFER TO TYPICAL DETAIL FOR ADDITIONAL COMPONENTS AND INFORMATION.
- 7 3/4" VALVED HOT WATER AND 3/4" VALVED COLD WATER SUPPLIES ON WALL FOR GREASE EXTRACTOR. FINAL CONNECTION BY OTHERS.
- 8 3/4" COLD WATER DOWN TO HOSE REEL (HK-1). MOUNT SHUT OFF VALVE AT 7'-0" A.F.F. INSTALL VACUUM BREAKER ON COLD WATER SUPPLY LINE TO HOSE REEL.
- 9 ROUTE PIPING BELOW CEILING HEIGHT OF GEAR ROOM TO PROVIDE ACCESS TO VALVES AND RECIRCULATION PUMP.
- 10 ROUTE PIPING IN CEILING SPACE ABOVE GEAR ROOM.
- 11 INSTALL WATER, WASTE AND VENT PIPING AT ISLAND SINK. REFER TO TYPICAL DETAIL ON SHEET P400.
- 12 REFER TO TYPICAL WATER SERVICE ENTRANCE DETAIL ON SHEET P400 FOR FURTHER INFORMATION.
- 13 REFEED EXISTING HOSE BIBB. FIELD VERIFY EXACT LOCATION OF EXISTING PIPING.



**2 FLOOR PLAN - ABOVE SLAB PLUMBING**  
 P300 1/4" = 1'-0"

**Revisions:**

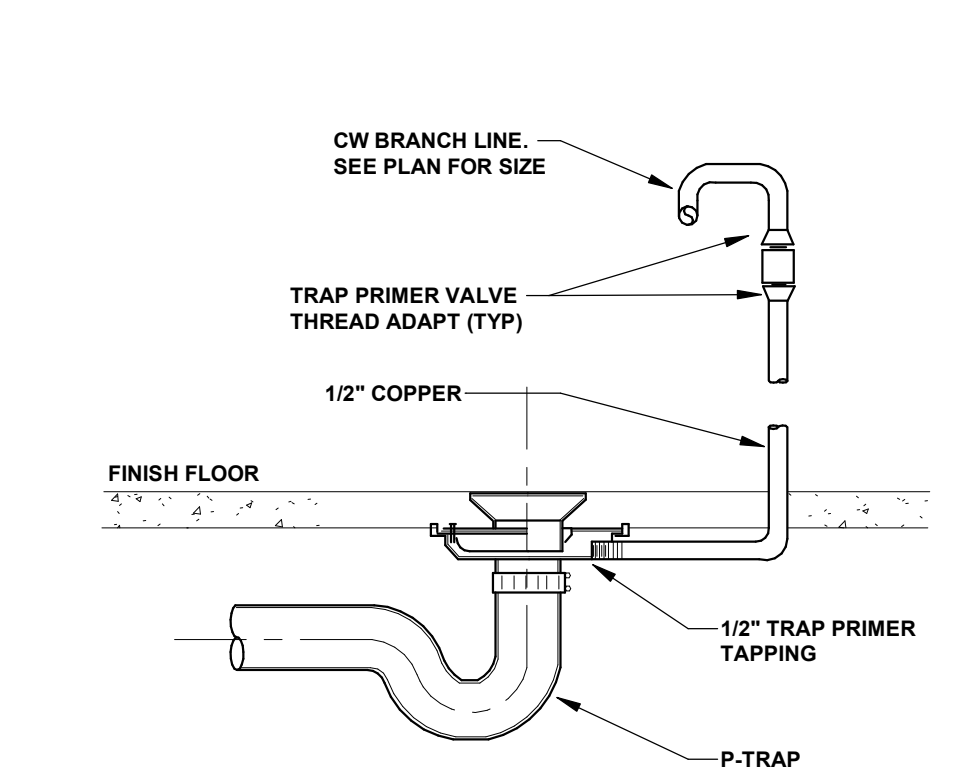
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09.13.2025	ISSUED FOR PERMIT	
2	09.30.2025	ADD #2

**Sheet Info:**

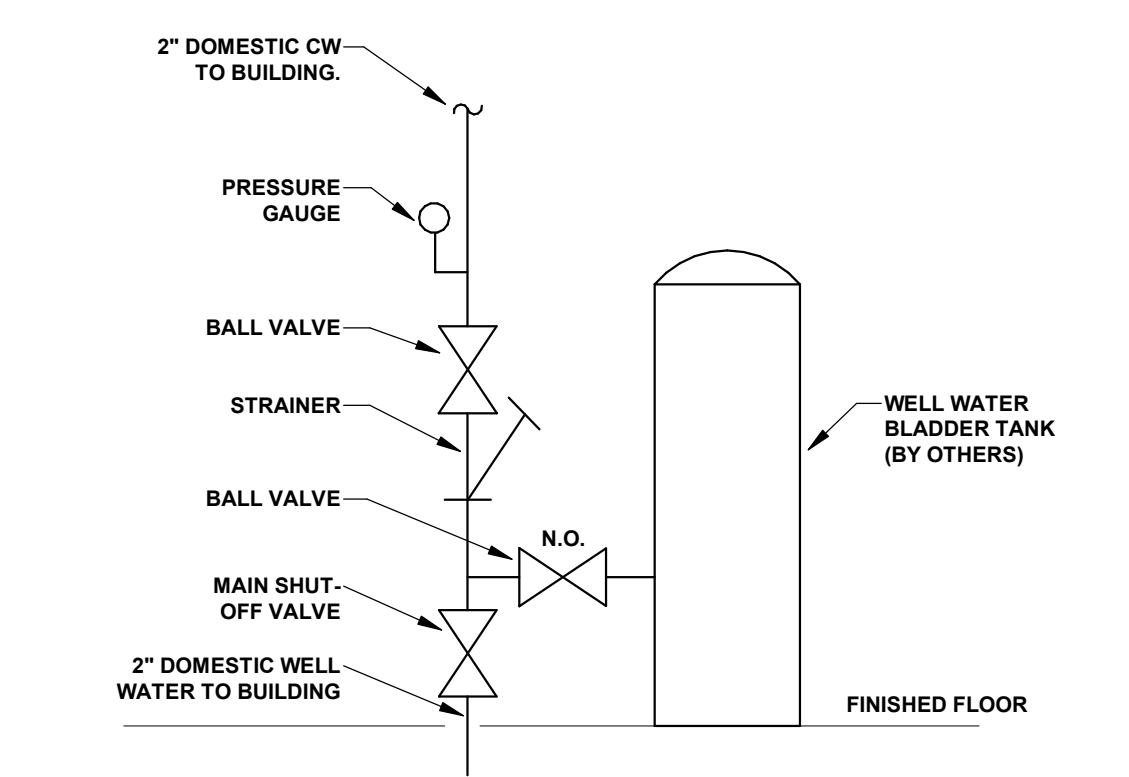
FLOOR PLAN - ABOVE SLAB PLUMBING	
Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-13

**P300**

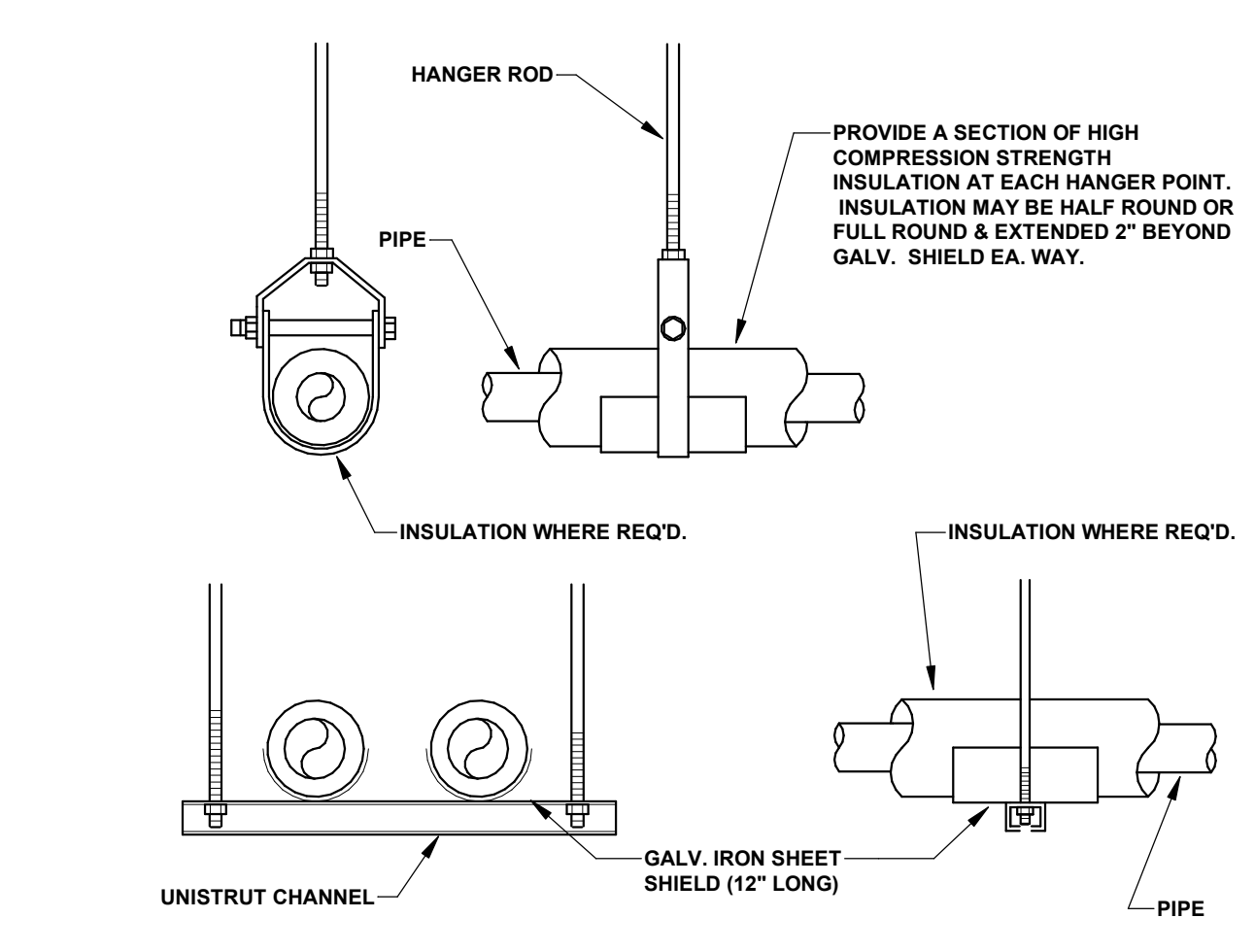
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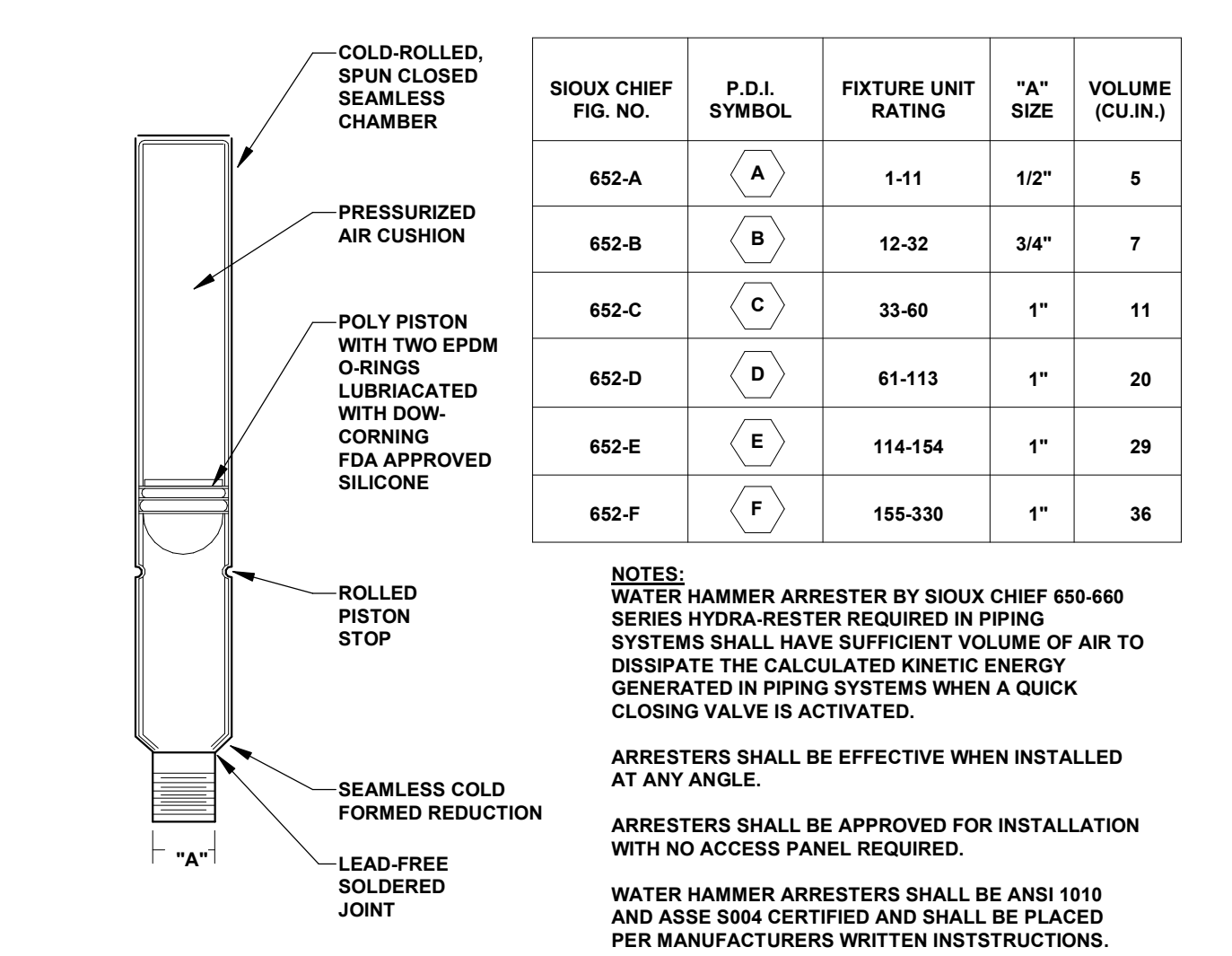
1 FLOOR DRAIN DETAIL  
 P400 12" = 1'-0"



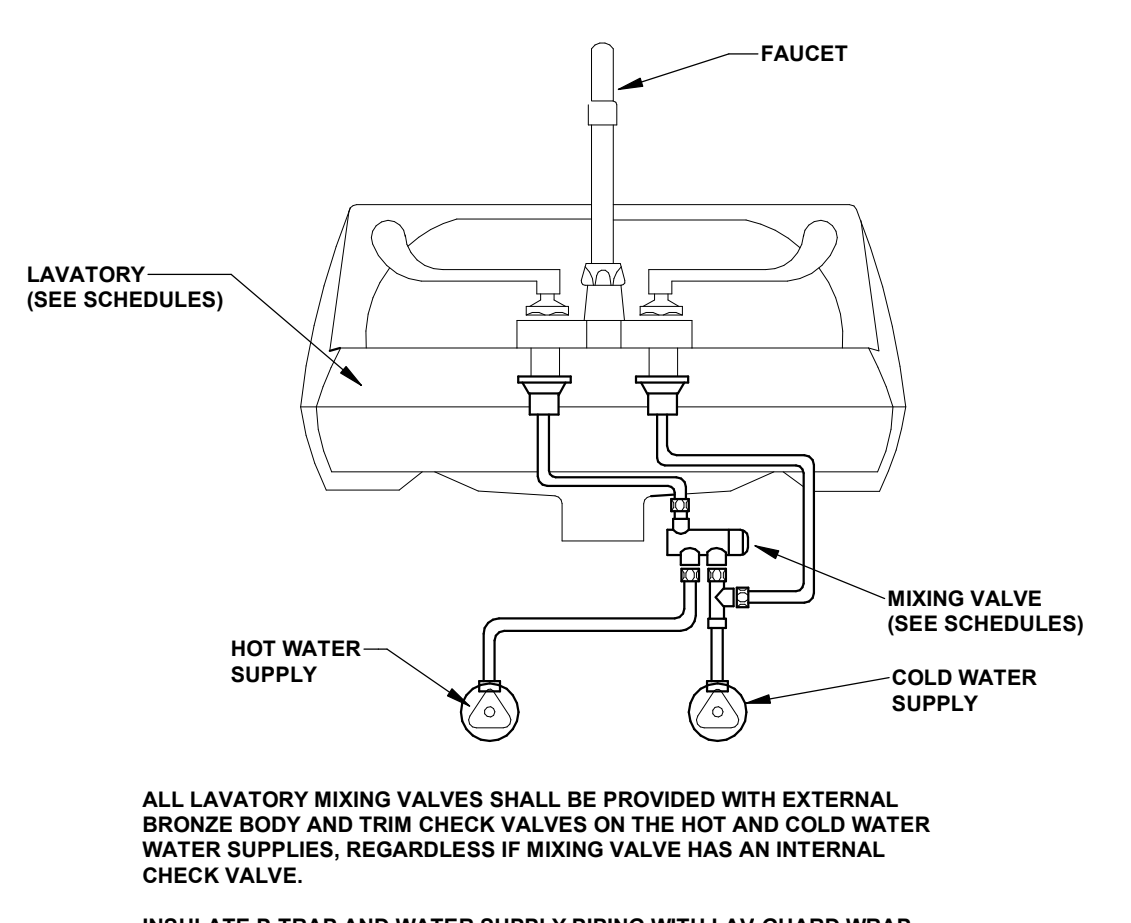
2 WATER SERVICE ENTRANCE DETAIL  
 P400 12" = 1'-0"



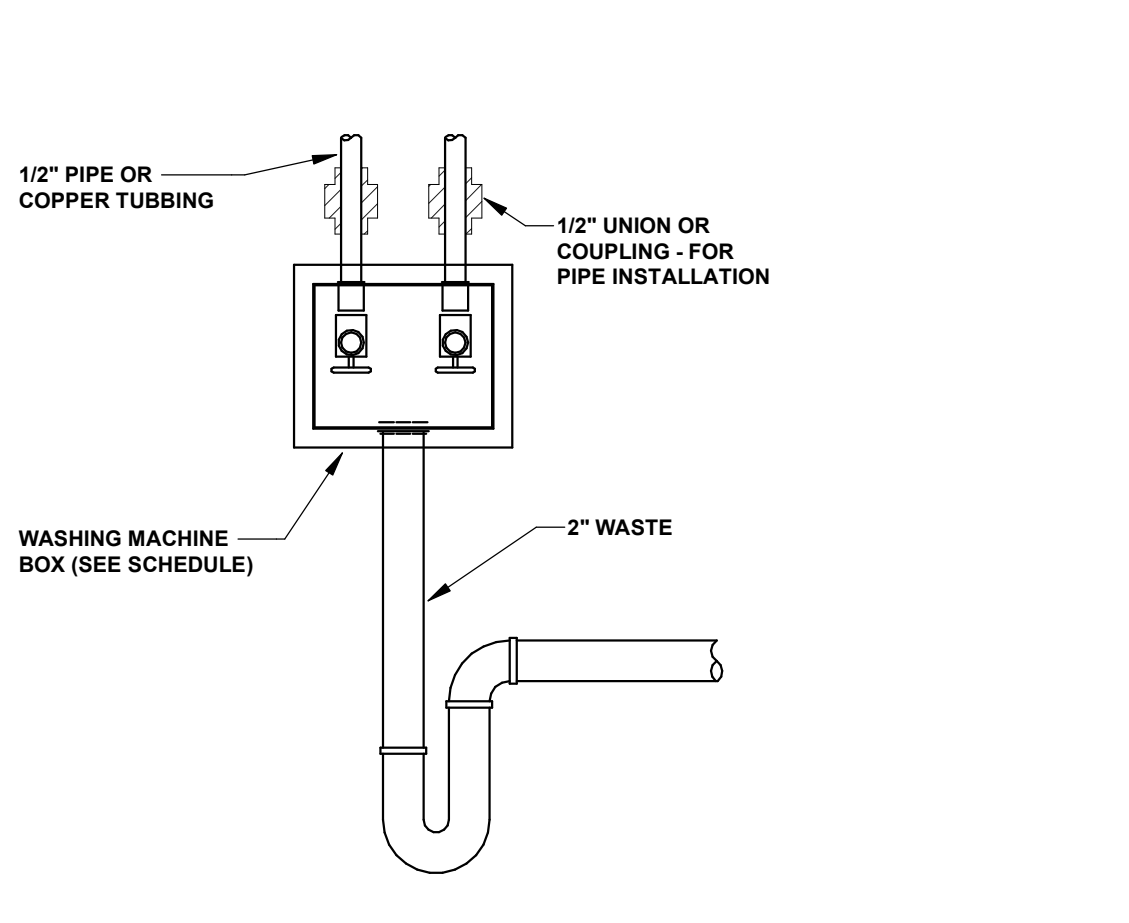
3 PIPE HANGER DETAILS  
 P400 12" = 1'-0"



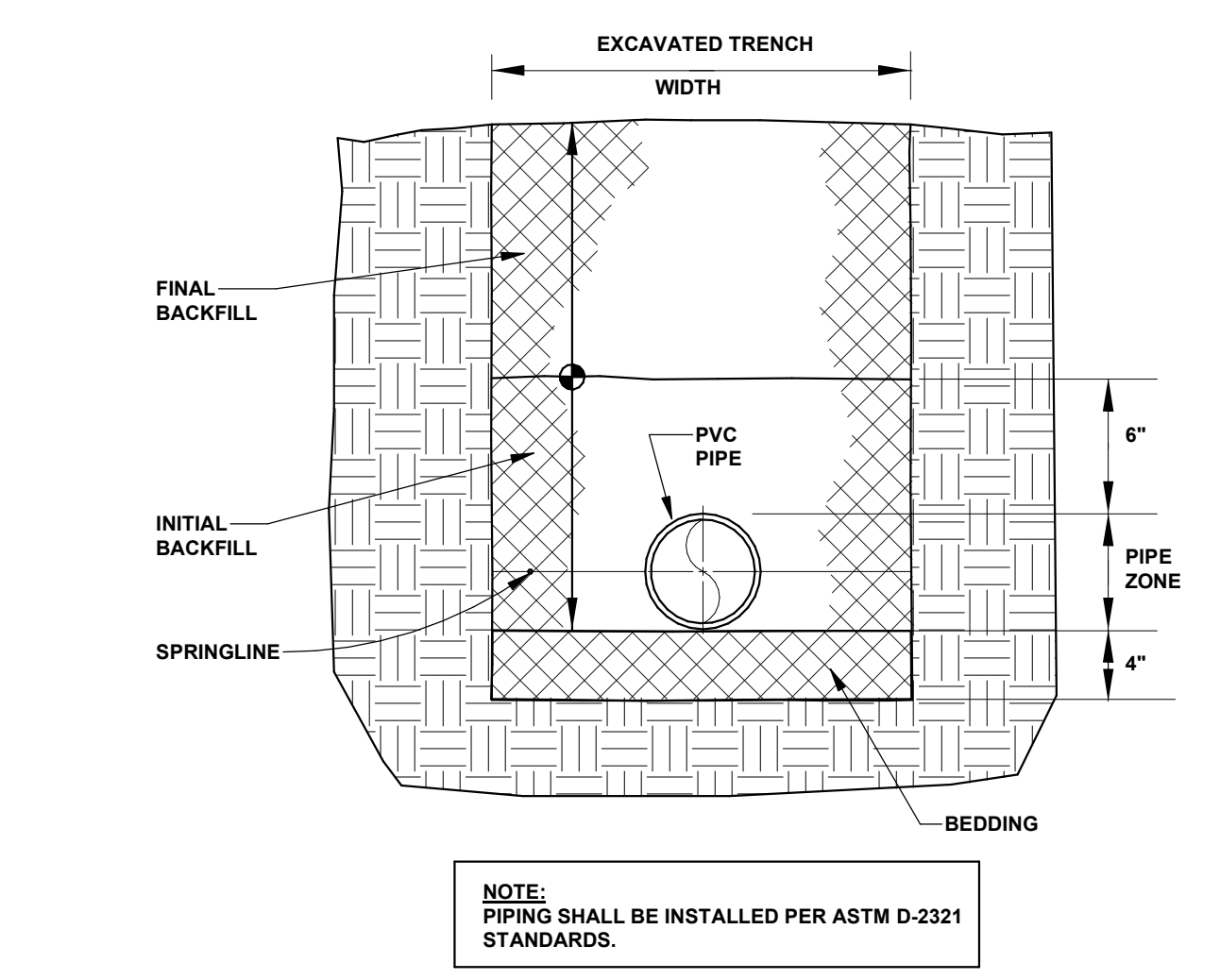
4 WATER HAMMER ARRESTER DETAIL  
 P400 12" = 1'-0"



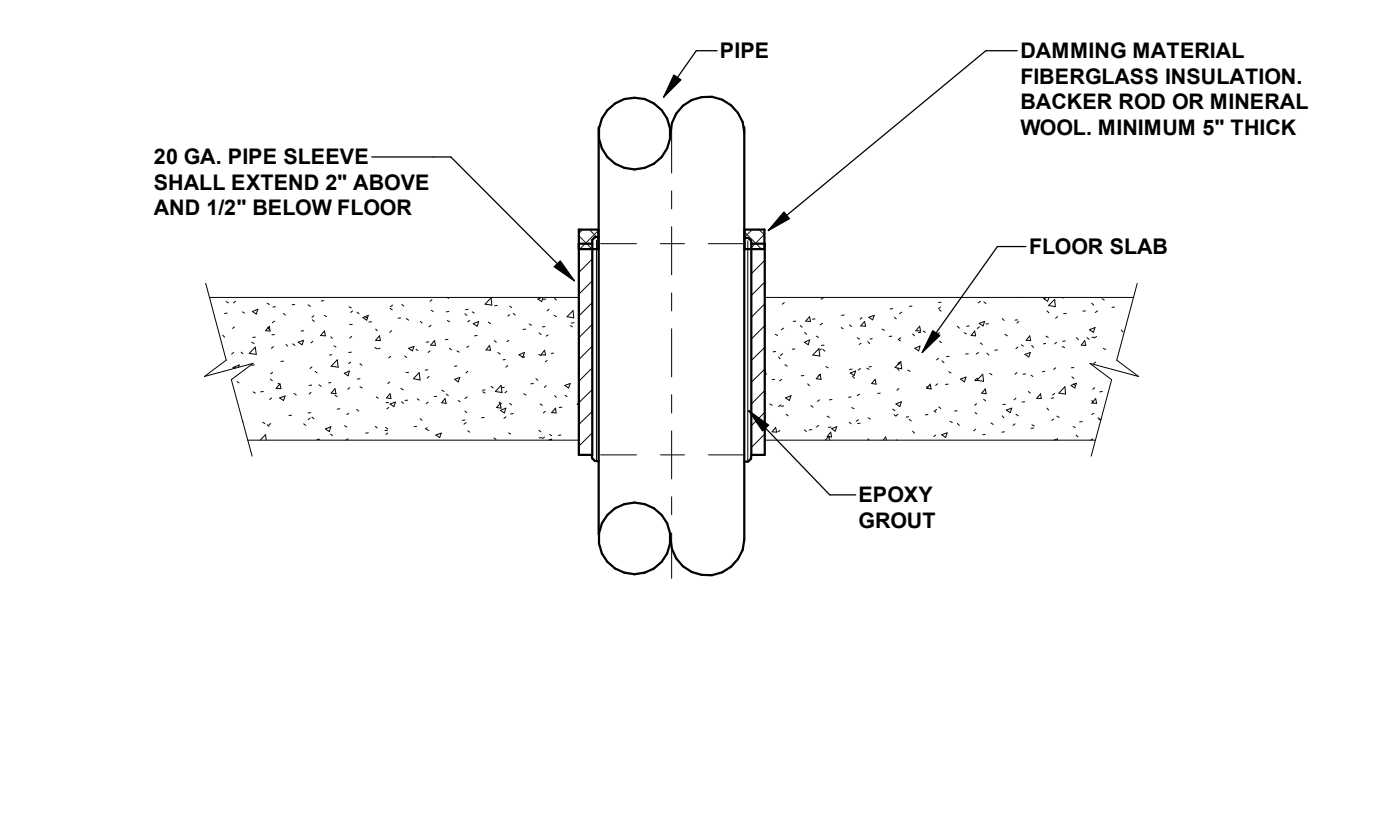
5 MIXING VALVE DETAIL  
 P400 12" = 1'-0"



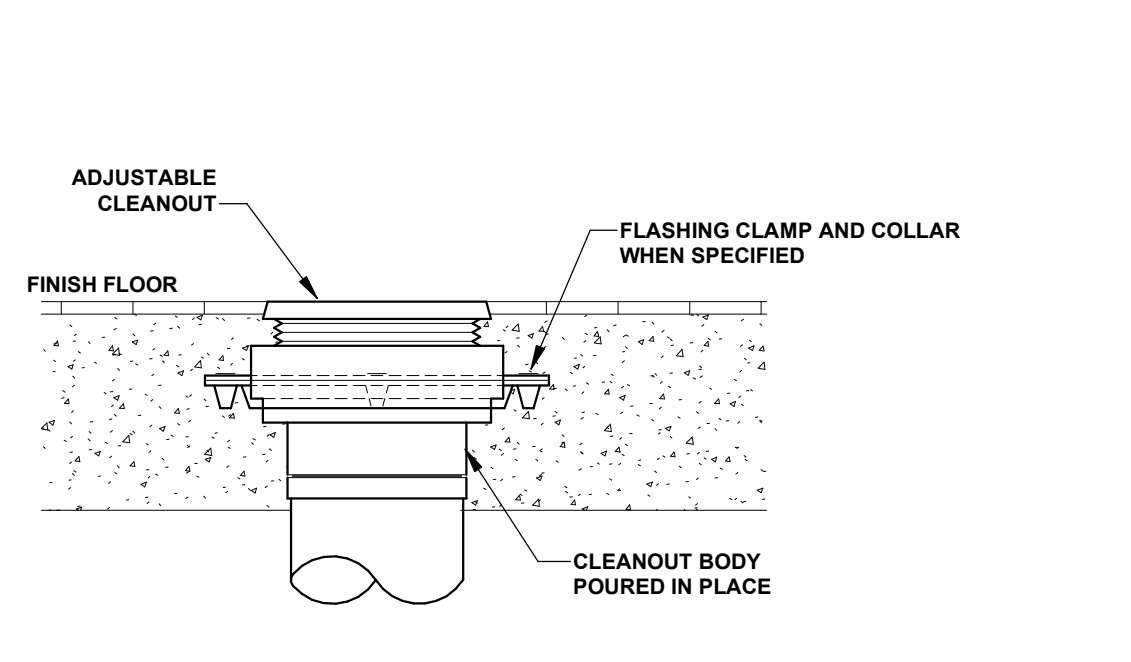
6 WASHING MACHINE BOX SUPPLY AND DRAIN DETAIL  
 P400 12" = 1'-0"



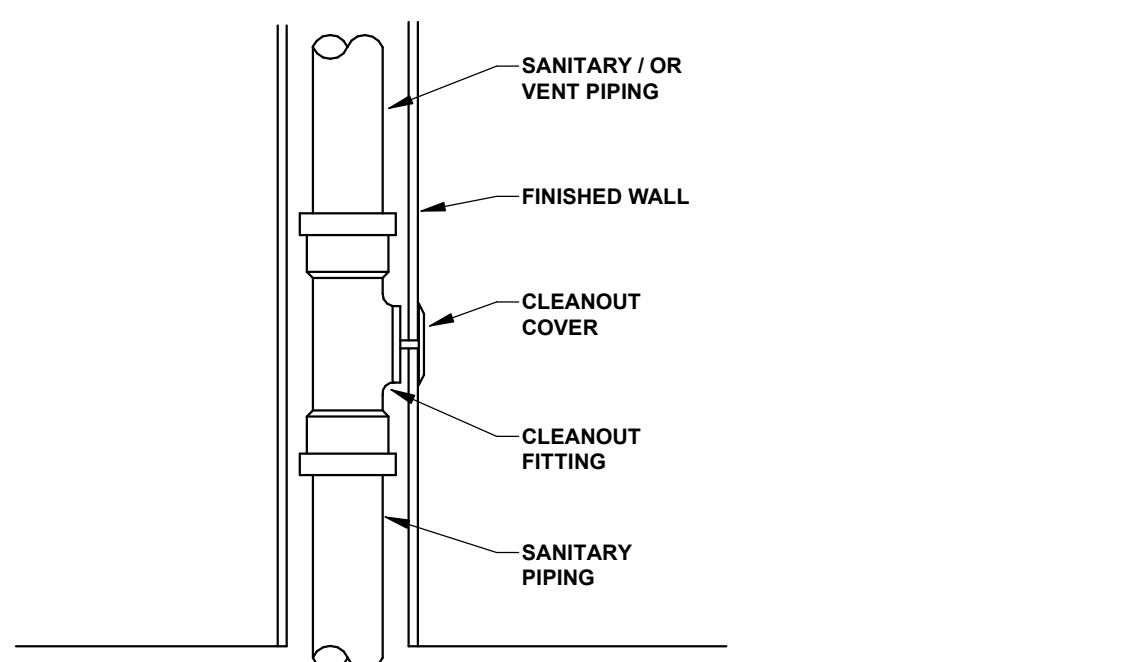
7 INSTALLATION OF PVC PIPE BELOW GRADE DETAIL  
 P400 12" = 1'-0"



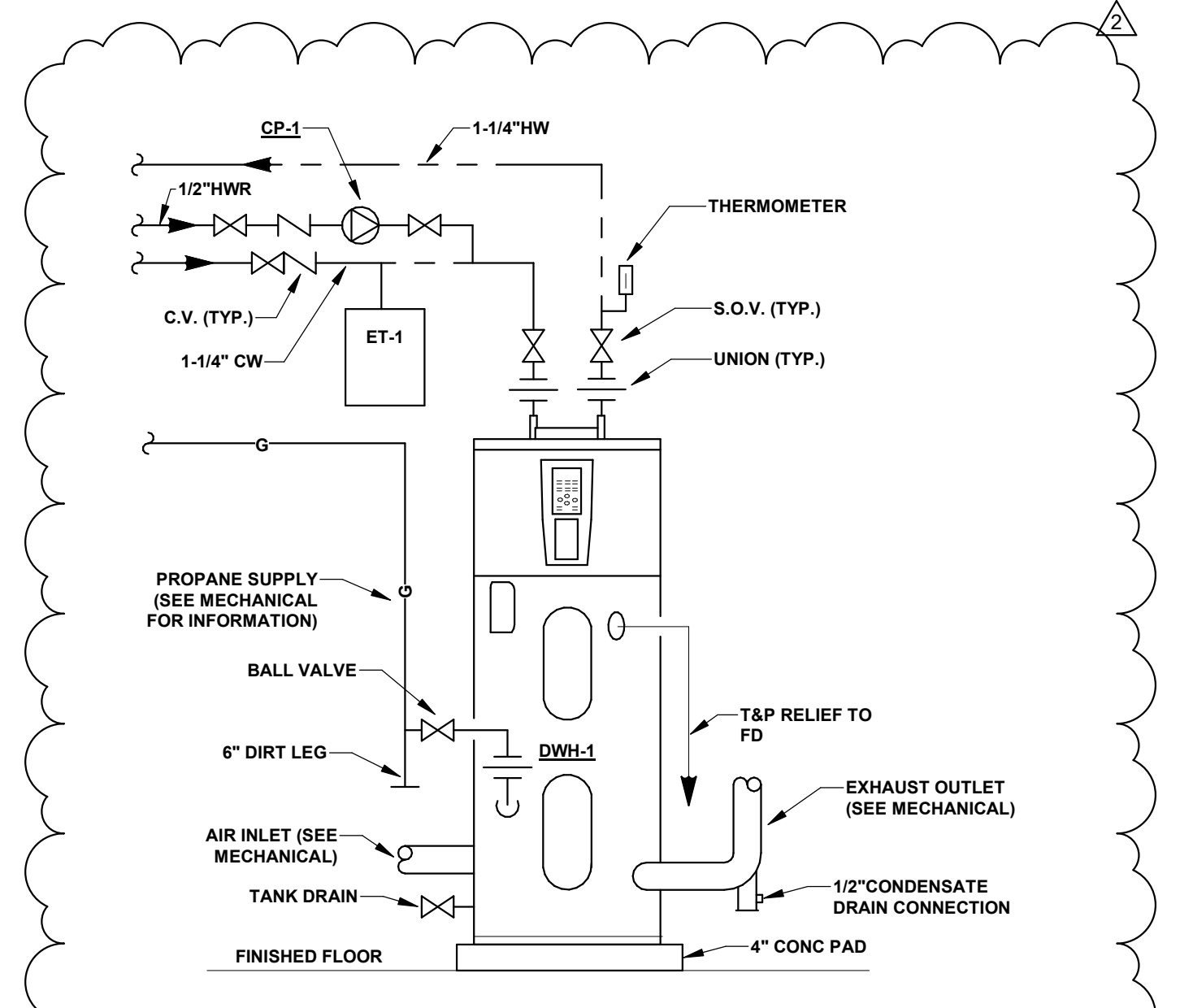
8 PIPE SLEEVE THROUGH FLOOR DETAIL  
 P400 12" = 1'-0"



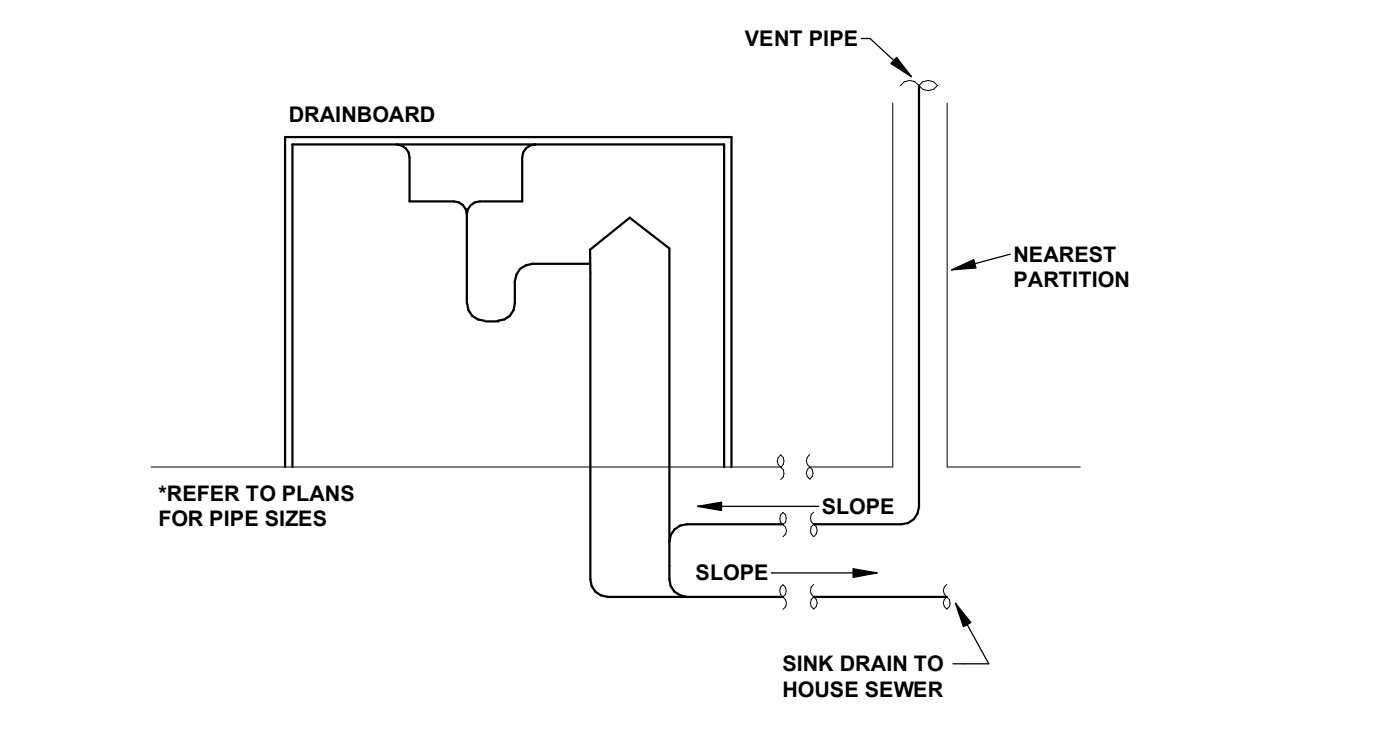
9 INTERIOR CLEANOUT DETAIL  
 P400 NO SCALE



10 WALL CLEANOUT DETAIL  
 P400 12" = 1'-0"



11 PIPING CONNECTIONS AT PROPANE FIRED WATER HEATER DWH-1  
 P400 12" = 1'-0"



12 VENTING FOR ISLAND FIXTURES  
 P400 12" = 1'-0"

Revisions:

No.	Date	Description
09.13.2025	ISSUED FOR PERMIT	
2	09.30.2025	ADD #2

Sheet Info:

DETAILS - PLUMBING

Drawn By: Author  
 Checked By: Checker  
 Commission: 025-2125  
 Date: 2025-09-13

P400

Revisions:

No:	Date:	Description:
09.13.2025	ISSUED FOR PERMIT	
1	09.19.2025	ADD #1
2	09.30.2025	ADD #2

Sheet Info:

SCHEDULES - PLUMBING

Drawn By: Author  
Checked By: Checker  
Commission: 025-2125  
Date: 2025-09-13

PLUMBING ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CO	CLEANOUT
(E)	EXISTING
CW	COLD WATER
EE	EMERGENCY EYEWASH / SHOWER
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
DWH	DOMESTIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
F.L.	FLOOR LINE ELEVATION
FS	FLOOR SINK
GD	GARAGE DRAIN
GPM	GALLONS PER MINUTE
HB	HOSE BIBB (EXTERIOR)
HW	HOT WATER
HWR	HOT WATER RETURN
ISO	ISOMETRIC
IW	INDUSTRIAL WASTE
LAV	LAVATORY
MB	MOP BASIN
PD	PUMP DISCHARGE
OI	OIL WATER SEPARATOR
HCP	RE-CIRCULATING PUMP
RH	ROOF HYDRANT
S	SANITARY SEWER
SK	SINK
US	UTILITY SINK
UR	URINAL
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT (INTERIOR)

**DRAIN SCHEDULE**

DESIGNATION	TYPE	OUTLET SIZE	BODY MATERIAL / STRAINER FINISH	TRAP	MANUFACTURER / OR APPROVED EQUAL	MODEL	REMARKS
FD-1	FLOOR DRAIN	3"	CAST IRON BODY WITH ROUND NICKEL BRONZE TOP	YES	SIoux CHIEF	832-35P-NR	INSTALL IN RESTROOMS AND IN JANITOR CLOSETS.
FD-2	SHOWER DRAIN	2"	CAST IRON BODY WITH ROUND NICKEL BRONZE TOP	YES	SIoux CHIEF	832-35P-NR	INSTALL IN SHOWER.
FS-1	FLOOR SINK	4"	12" x 12" x 8" DEEP DUCTILE IRON BODY WITH HALF GRATE & SEDIMENT BUCKET	YES	SIoux CHIEF	861-24-I2	INSTALL BELOW DOMESTIC WATER BACKFLOW PREVENTER.
TD-1	GEAR EXTRACTOR DRAIN TROUGH	4"	12" WIDE X 18" DEEP X 3 FT LONG POLYPROPYLENE LAUNDRY TROUGH WITH INTERNAL AND REMOVABLE FILTER SCREEN AND FILTER BASKET AND 4" END OUTLET.	YES	STRIEM	TT-3	INSTALL IN FLOOR IN GEAR EXTRACTOR ROOM.
TD-2	TRENCH DRAIN - APP BAY	4"	1-METER LONG POLYPROPYLENE 5-1/4" WIDE INTERLOCKING BODY CHANNEL SECTIONS WITH SLOPED AND RADIUSSED BOTTOM, 4" NO-HUB BOTTOM OUTLET, AND SECURED HEAVY DUTY DUCTILE IRON SLOTTED GRATE	NO	JR SMITH	9930 SERIES 9870-462-0GC GRATE	
TP-1	TRAP PRIMER	-	-	-	SIoux CHIEF	695 SERIES	
F.Co.	FLOOR CLEANOUT	SEE PLAN	DUCTILE IRON BODY WITH ROUND BRONZE COVER	NO	SIoux CHIEF	834-4D-NR	INSTALL ON SANITARY LINE FROM RESTROOMS AND GENERAL PURPOSE FIXTURES
W.Co.	WALL CLEANOUT	SEE PLAN	PVC CLEANOUT PLUG WITH STAINLESS COVER	NO	-	-	THREADED PLUG STAINLESS STEEL WITH COVER

NOTES:  
1) ON FLOOR DRAINS (FD-1) AND (FD-2) INSTALL AN INTERNAL TRAP SEAL DEVICE. ASSE 1072 CERTIFIED. UNIT SHALL BE A SIoux CHIEF 835 TRAPSHIELD.

**INTERCEPTOR SCHEDULE**

DESIGNATION	MANUFACTURER	MODEL NO.	FLOW RATE	HOLDING CAPACITY			MATERIALS	REMARKS
				LIQUID (GAL)	OIL (GAL)	SOLIDS (GAL)		
OS-1	STRIEM	OS-100	100 GPM	250	62.5	95	POLYETHYLENE	SEE NOTES

NOTES:  
1) UNIT SHALL HAVE A 4" INLET AND OUTLET, H20 COVER AND 24"-30" RISERS.

**PLUMBING MATERIALS SPECIFICATION**

TYPE OF PIPING MATERIAL	TYPE OF SERVICE			
	ABOVE GRADE SANITARY AND VENT (EXCEPT IN PLENUMS).	SANITARY AND VENT IN CEILING PLENUM SPACES.	BURIED DOMESTIC WATER TO BUILDING.	DOMESTIC COLD, HOT AND HOT WATER RETURN PIPING.
SCHEDULE 40 PVC W/ SOLVENT CEMENTED DRAINAGE PATTERN FITTINGS ASTM D-2685, SOLID CORE (CHARLOTTE) *ALL SIZES*	X			
SERVICE WEIGHT NO-HUB CAST IRON PIPE AND FITTINGS (ASTM B88) -MANUFACTURED BY CHARLOTTE, TYLER OR ABA*) *ALL SIZES*		X		
COPPER PIPE - SOFT DRAWN TYPE "K" ASTM B-88			X	
TYPE "L" COPPER WITH WROUGHT COPPER JOINTS - PRO-PRESS FITTINGS				X

**INSULATION MATERIALS SPECIFICATION**

TYPE OF MATERIAL	TYPE OF SERVICE		
	DOMESTIC COLD WATER PIPING	DOMESTIC HOT WATER PIPING (UP TO 1-1/4")	DOMESTIC HOT WATER PIPING LARGER THAN 1-1/2" SANITARY PIPING IN PLENUM SPACES
1" FIBERGLASS WITH ALL-SERVICE JACKET (SHALL MEET OR EXCEED ASTM - 684 FOR FLAME / SMOKE RATING)	X	X	X
1-1/2" FIBERGLASS WITH ALL-SERVICE JACKET (SHALL MEET OR EXCEED ASTM - 684 FOR FLAME / SMOKE RATING)			X

**PLUMBING FIXTURE SCHEDULE**

(REFER TO ARCHITECTURAL DOCUMENTS FOR FIXTURE MOUNTING HEIGHTS)

FIXTURE DESIGNATION	TYPE	WASTE PIPING	VENT PIPING	WATER		SPECIFICATIONS	MANUFACTURER	MODEL	MODEL NUMBER
				COLD	HOT				
WC-1	WATER CLOSET	4"	2"	3/4"	-	FLOOR MOUNTED WATER CLOSET, ELONGATED CLOSE-COUPLED BOWL WITH TANK, ADA MOUNTING SEAT - OPEN FRONT WITH COVER ELONGATED TOILET SEAT.	KOHLER	HIGHLINE	K-43979
							BEMIS		1955CT
							KOHLER	CAXTON	K-2216-N
L-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	UNDERMOUNT OVAL SINGLE BOWL, WHITE VITREOUS CHINA LAVATORY 18-1/4" FAUCET - DECK MOUNTED LAVATORY FAUCET, MANUALLY OPERATED, CHROME PLATED 9.5 GPM PRESSURE COMPENSATING, LAMINAR FLOW OUTLET. PROVIDE PERFORATED GRID STRAINER, WITH BELOW DECK LEAD-FREE MIXING VALVE AND P-TRAP ADA COVERING	KOHLER		K-97282-4
							WATTS		LFUSG-B
							TRUEBRO		LAV GUARD 2 E-Z SERIES
							KOHLER	KINGSTON	K-2005
							KOHLER		K-97282-4
							WATTS		LFUSG-B
							TRUEBRO		LAV GUARD 2 E-Z SERIES
							ZURN		CONCEALED ARM CARRIER
HR-1	HOSE REEL	-	-	3/4"	-	3/4" X 100 FT AC MOTOR DRIVEN HOSE REEL.	REELCRAFT		E433112 L10A
SH-1	SHOWER (ADA ADAPTABLE)	2"	2"	1/2"	1/2"	SHOWER FLOOR SHALL RECEIVE A FLOOR DRAIN (FD-2). FLOOR TO BE EPOXY COATED AND SLOPPED TO DRAIN. SHOWER VALVE SHALL BE RITE TEMP PRESSURE BALANCING DESIGN, SINGLE LEVER, ONE-PIECE CARTRIDGE WITH ADJUSTABLE SCREW STOP TO LIMIT HANDLE TURN. VALVE TRIM SHALL INCLUDE FACE PLATE WITH HANDLE, CHROME FINISH. FAUCET SHALL BE MULTIFUNCTION SHOWERHEAD AND HANDSHOWER, 2.5 GPM MAX FLOWRATE, WITH MULTIFUNCTION SPRAY	KOHLER	RITE-TEMP	K-8304-KS
							KOHLER	DEVONSHIRE	K-TLS396-4-CP
							KOHLER	AWAKEN	K-76471-Y-CP
SH-2	SHOWER (ADA)	2"	2"	1/2"	1/2"	SHOWER FLOOR SHALL RECEIVE A FLOOR DRAIN (FD-2). FLOOR TO BE EPOXY COATED AND SLOPPED TO DRAIN. SHOWER FITTING - SYMMONS TEMPTRLO SHOWER UNIT, INCLUDING PRESSURE-BALANCING MIXING VALVE WITH SERVICE STOPS, 1.5 GPM FLOW, HAND HELD SHOWER WITH CHROME PLATED SUPPLY ELBOW, VACUUM BREAKING, 60 INCH FLEXIBLE HOSE, 3/8 INCH LONG ADJUSTABLE SLIDE BAR WITH SWIVEL CONNECTOR AND MOUNTING ACCESSORIES.	SYMMONS		S-9603-PLR-1.5-X
SK-1	SINK	1-1/2"	1-1/2"	1/2"	1/2"	18 GAUGE UNDERMOUNT DOUBLE BOWL, STAINLESS STEEL SINK 30-3/4" X 18-1/2" X 18" DEEP. FAUCET - DECK MOUNTED MANUAL SINK FAUCET WITH WRIST BLADE HANDLES SWING GOOSENECK SPOUT AND 1.5 GPM AERATOR OUTLET. INCLUDE 10 HP GARBAGE DISPOSAL, STAINLESS STEEL BASKET STRAINER AND TAILPIECE.	ELKAY	LUSTERTONE	ELUH311810L
							CHICAGO		201-ADN2A35-317AB
							INSINKERATOR		BADGER 5
MB-1	MOP SINK	3"	2"	3/4"	3/4"	FLOOR MOUNTED MOLDED-STONE MOP SERVICE BASIN, 24 INCH X 24 INCH X 12 INCHES DEEP WITH STAINLESS STEEL CAPS ON CURBS, HOSE HOOK AND BRACKET. FAUCET - WALL MOUNTED, MANUALLY OPERATED SINK FAUCET, CHROME PLATED WITH INTEGRAL HOT AND COLD WATER SUPPLY STOPS, WRIST BLADE HANDLES, WITH HOSE AND HOSE HOOK.	FIAT		MSB2424
							CHICAGO		897-RCF
HB-1	HOSE BIBB	-	-	3/4"	-	FREEZELESS WALL HYDRANT WITH HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER, CHROME BOX AND DOOR	WOODFORD		867
WB-1	ICE MAKER BOX	-	-	1/2"	-	WHITE PLASTIC WATER SUPPLY BOX WITH SHUT-OFF VALVE	SIoux CHIEF		696 SERIES
WMB-1	WASHER BOX	1-1/2"	-	1/2"	1/2"	WHITE PLASTIC WASHING MACHINE OUTLET BOX WITH SURGE SUPPRESSORS AND SHUT-OFF VALVE	SIoux CHIEF		696 SERIES

NOTES:  
1) ALL STOPS SHALL BE BRASSCRAFT 1/4 TURN ANGLE BALL STOPS; KTCR09 / KTCR19 / KTCR39 AND ESCUTHEONS OR EQUAL  
2) P-TRAPS ON SINKS AND LAVATORIES SHALL BE 1-1/2" PVC P-TRAP WITH CLEANOUT PLUG AND ESCUTHEONS

**DOMESTIC PROPANE FIRED WATER HEATER SCHEDULE**

DESIGNATION	LOCATION	FUEL TYPE	MANUFACTURER	MODEL NO.	STORAGE (GAL)	RECOVERY @ 90° RISE (GPH)	INPUT (BTU)	MANUFACTURER'S DESCRIPTION:	NOTES
DWH-1	GEAR ROOM / DECON 116	PROPANE	AO SMITH	BSS 130	34	165	130,000	POLARIS HIGH EFFICIENCY COMMERCIAL TANK TYPE GAS WATER HEATER.	INSTALL WITH ARMTRLO ST-12 OR EQUAL EXPANSION TANK (ET-1)

NOTES:  
1. ALL WATER HEATERS SHALL BE PIPED PER THE INTERNATIONAL PLUMBING CODE. INSTALL SHUT-OFF VALVES AND UNIONS ON THE WATER SUPPLY LINES. PIPE T&P RELIEF TO ADJACENT FLOOR DRAINS.

**HOT WATER RECIRCULATION PUMP SCHEDULE**

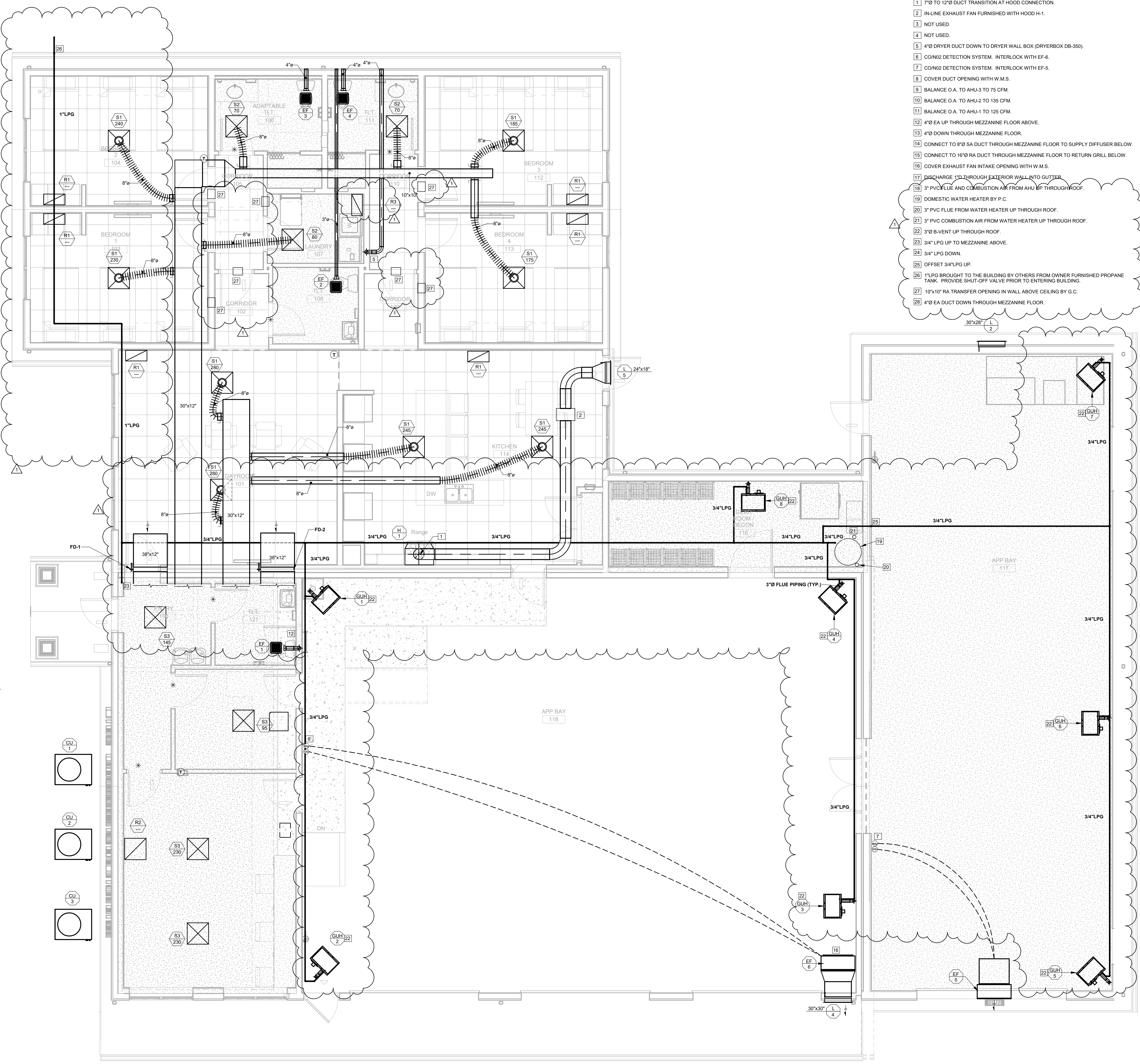
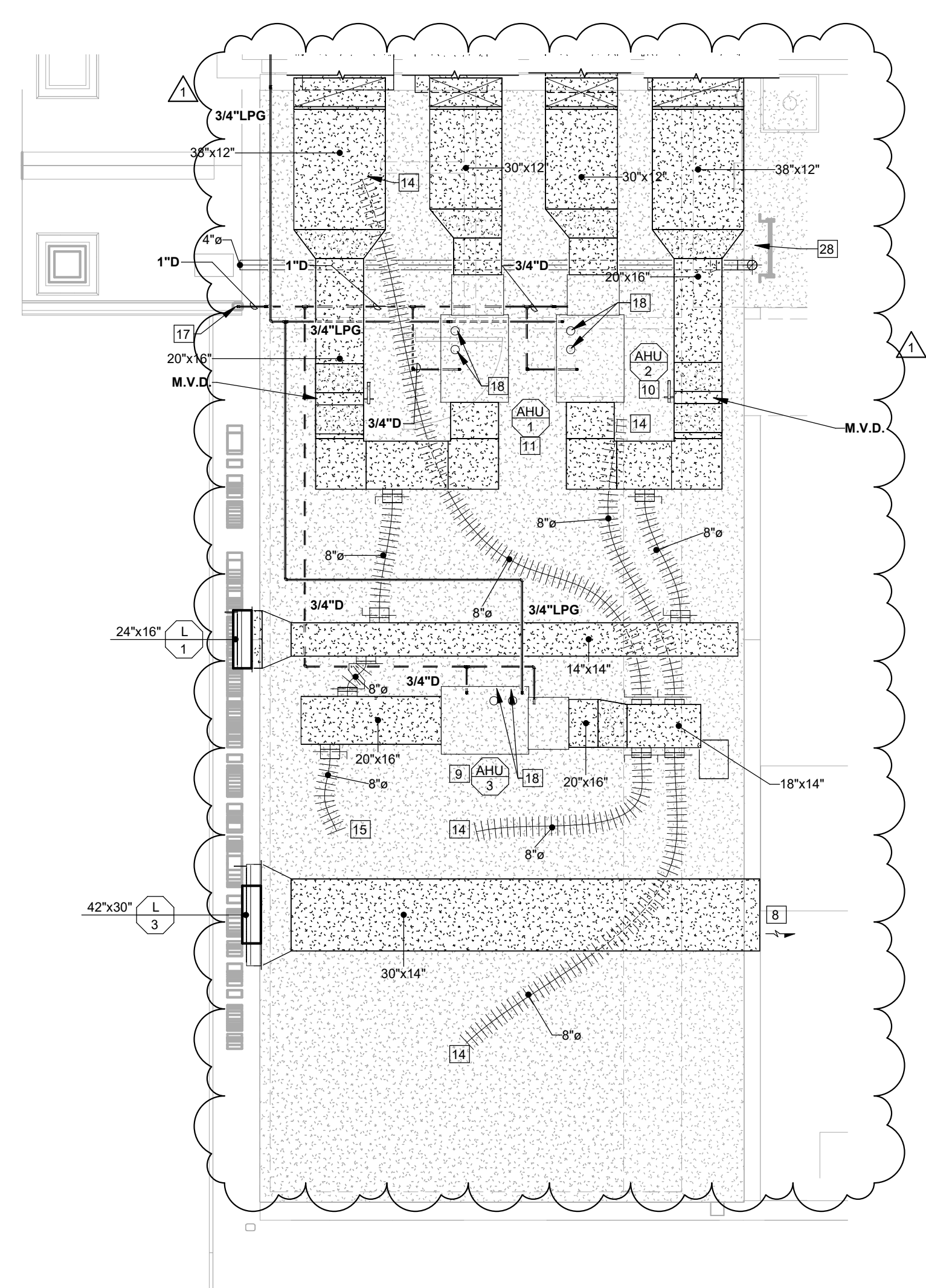
DESIGNATION	NAME	MANUFACTURER / OR APPROVED EQUAL	MODEL NUMBER	GPM	HEAD (FT.)	CONN. SIZE	HP	VOLT / PH	REMARKS
CP-1	HOT WATER RETURN CIRCULATING PUMP	GRUNDFOS	ALPHA 26-99	0-21	0-41	1-1/4"	1/6	120 / 1	DOMESTIC HOT WATER RE-CIRCULATING PUMP. INSTALL AT DWH-1 AND AT DWH-2.

NOTES:  
1) INSTALL PUMPS WITH THE PROPER VALVE ASSEMBLY, INCLUDING CHECK VALVES.

**SEISMIC CODE BLOCK**

IMPORTANCE FACTOR ( I )	ANCHORAGE TO FLOORS, ROOFS, ETC.				SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			SEISMIC DESIGN CATEGORY ( D )	COMMENTS		
	NOT PROVIDED		PROVIDED		NOT PROVIDED	PROVIDED	ON CONST. DOCUMENTS	SUBSEQUENT SUBMITTAL	PLAN SPECS PAGE(S)			SHOP DRAWINGS	SEPARATE PERMIT & PLANS
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	PLAN SPECS PAGE(S)	SHOP DRAWINGS					
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS													
DWV PIPING	X			X								EXEMPT PER TABLE 600, NOTE 1A, SCHEDULE 40 PVC 6" OR LESS AND CAST IRON 2" OR LESS.	
DOMESTIC WATER PIPING UP TO (2-1/2") AND SMALLER	X			X								EXEMPT PER TABLE 600, NOTE 1C, SCHEDULE 80 CPVC 3" OR LESS.	
DOMESTIC WATER HEATERS			X		X	X						USE SEISMIC RESTRAINT STRAPS TO SECURE TO WALL	

- KEYED NOTES**
- 1 7"Ø TO 12"Ø DUCT TRANSITION AT HOOD CONNECTION.
  - 2 IN-LINE EXHAUST FAN FURNISHED WITH HOOD H-1.
  - 3 NOT USED.
  - 4 NOT USED.
  - 5 4"Ø DRYER DUCT DOWN TO DRYER WALL BOX (DRYERBOX DB-350).
  - 6 COIN2 DETECTION SYSTEM. INTERLOCK WITH EF-6.
  - 7 COIN2 DETECTION SYSTEM. INTERLOCK WITH EF-5.
  - 8 COVER DUCT OPENING WITH W.M.S.
  - 9 BALANCE O.A. TO AHU-3 TO 75 CFM.
  - 10 BALANCE O.A. TO AHU-2 TO 135 CFM.
  - 11 BALANCE O.A. TO AHU-1 TO 125 CFM.
  - 12 4"Ø EA UP THROUGH MEZZANINE FLOOR ABOVE.
  - 13 4"Ø DOWN THROUGH MEZZANINE FLOOR.
  - 14 CONNECT TO 8"Ø SA DUCT THROUGH MEZZANINE FLOOR TO SUPPLY DIFFUSER BELOW.
  - 15 CONNECT TO 18"Ø RA DUCT THROUGH MEZZANINE FLOOR TO RETURN GRILL BELOW.
  - 16 COVER EXHAUST FAN INTAKE OPENING WITH W.M.S.
  - 17 DISCHARGE 1"Ø THROUGH EXTERIOR WALL INTO GUTTER.
  - 18 3" PVC FLUE AND COMBUSTION AIR FROM AHU UP THROUGH ROOF.
  - 19 DOMESTIC WATER HEATER BY P.C.
  - 20 3" PVC FLUE FROM WATER HEATER UP THROUGH ROOF.
  - 21 3" PVC COMBUSTION AIR FROM WATER HEATER UP THROUGH ROOF.
  - 22 3"Ø B-VENT UP THROUGH ROOF.
  - 23 3/4" LPG UP TO MEZZANINE ABOVE.
  - 24 3/4" LPG DOWN.
  - 25 OFFSET 3/4" LPG UP.
  - 26 1" LPG BROUGHT TO THE BUILDING BY OTHERS FROM OWNER FURNISHED PROPANE TANK. PROVIDE SHUT-OFF VALVE PRIOR TO ENTERING BUILDING.
  - 27 10"x10" RA TRANSFER OPENING IN WALL ABOVE CEILING BY G.C.
  - 28 4"Ø EA DUCT DOWN THROUGH MEZZANINE FLOOR.



WCFPD - Station 3  
 Wright City Fire Protection District  
 9 Highway WW Wight City, MO

**Revisions:**

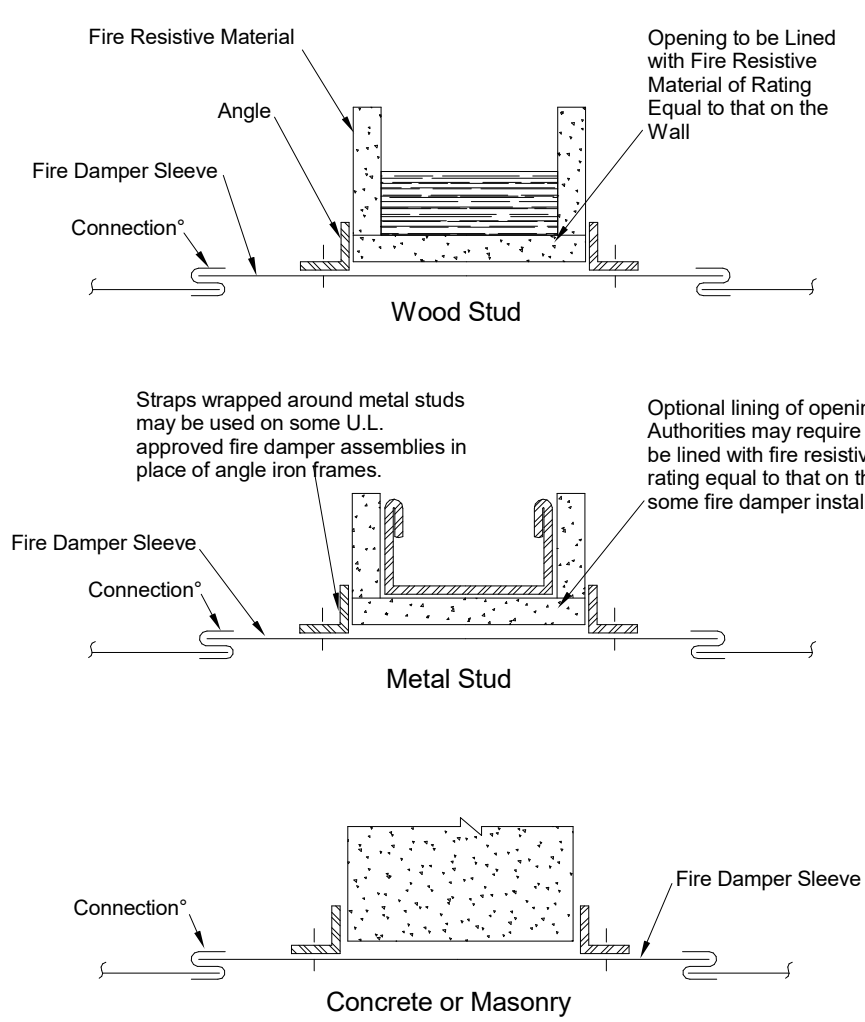
No:	Date:	Description:
09.13.2025	09.13.2025	ISSUED FOR PERMIT
1	09.30.2025	ADDENDUM 2

**Sheet Info:**

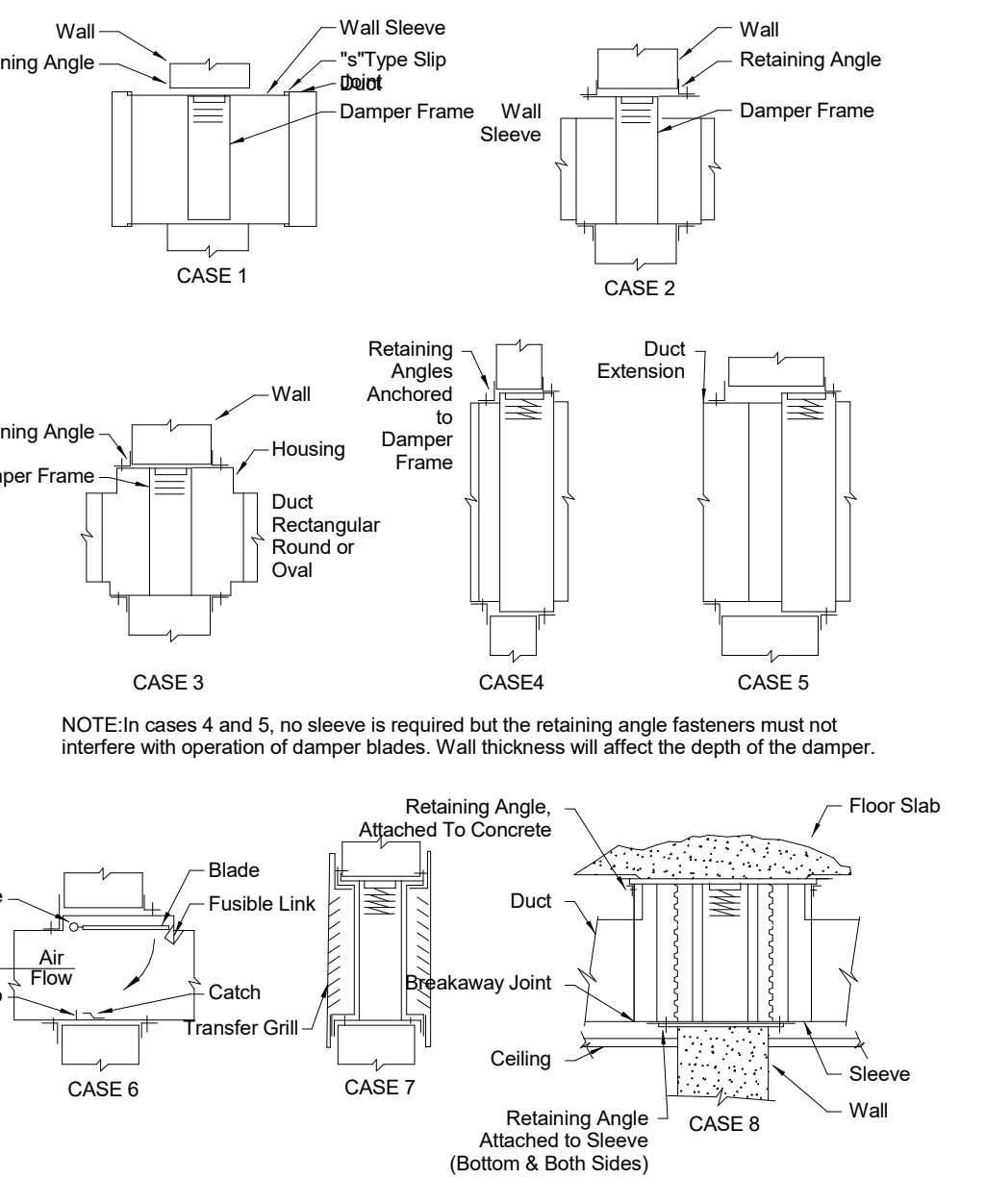
FLOOR PLAN - MECHANICAL

Drawn By: CGS  
 Checked By: MDJ  
 Commission: 025-2125  
 Date: 2025-09-13

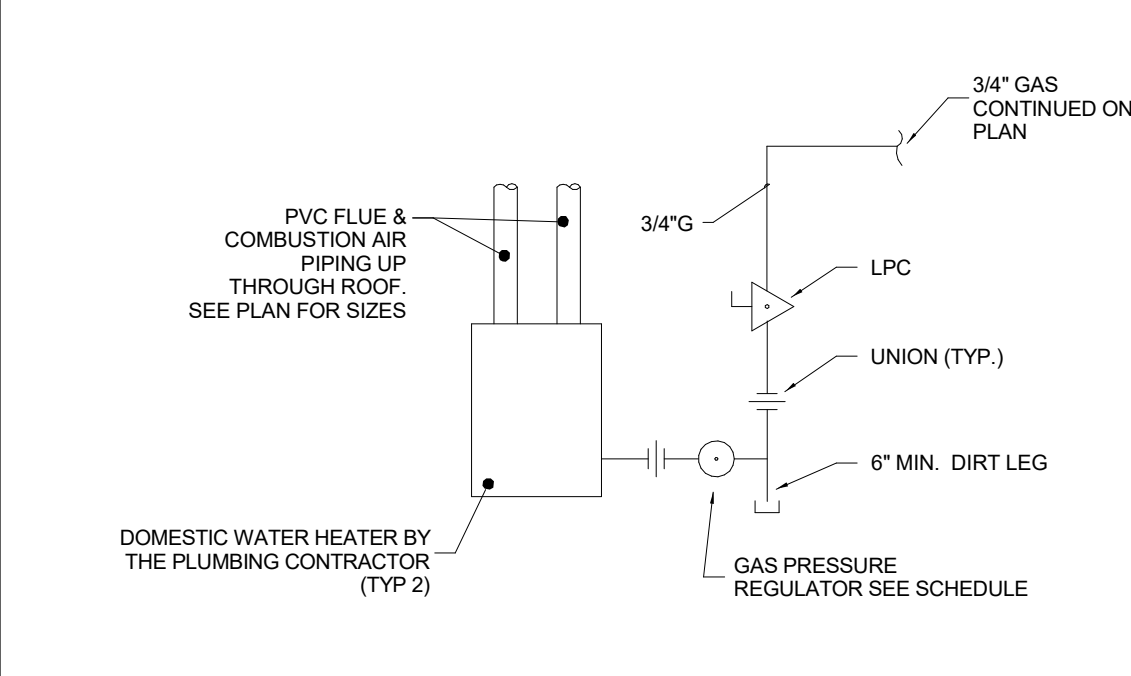
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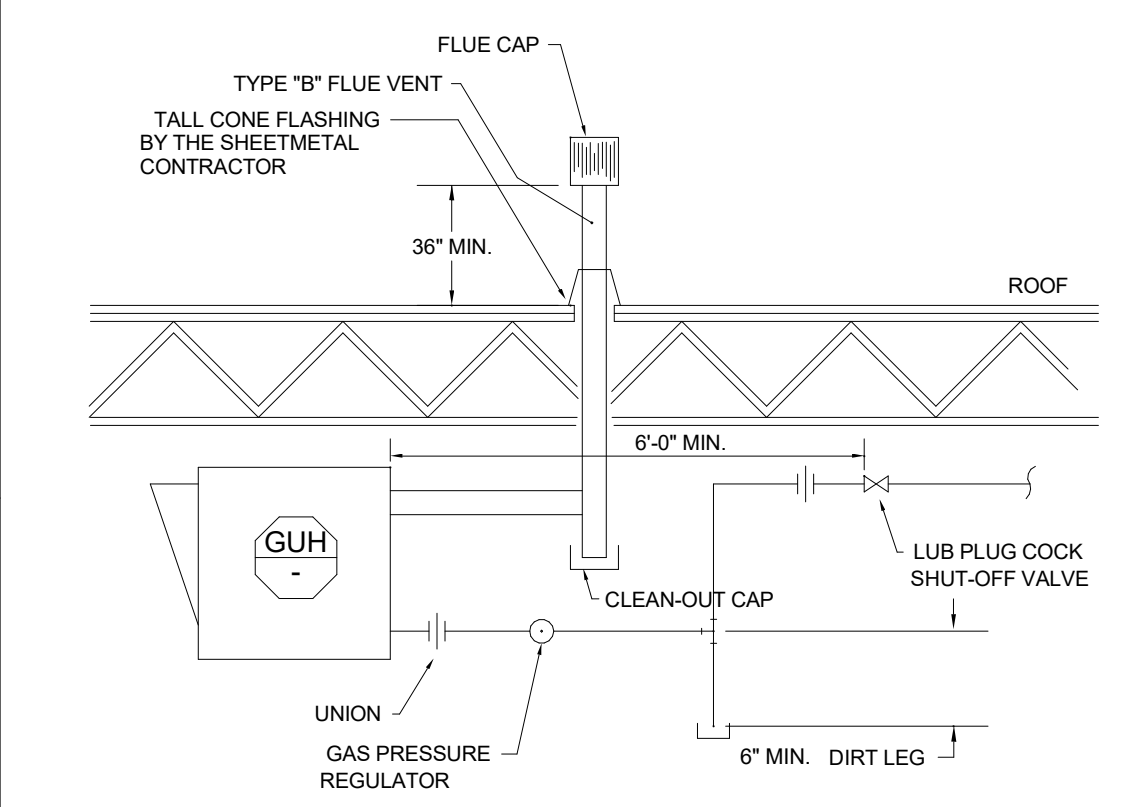
**13 FIRE DAMPER OPENING PROTECTION**  
M4.00 NO SCALE



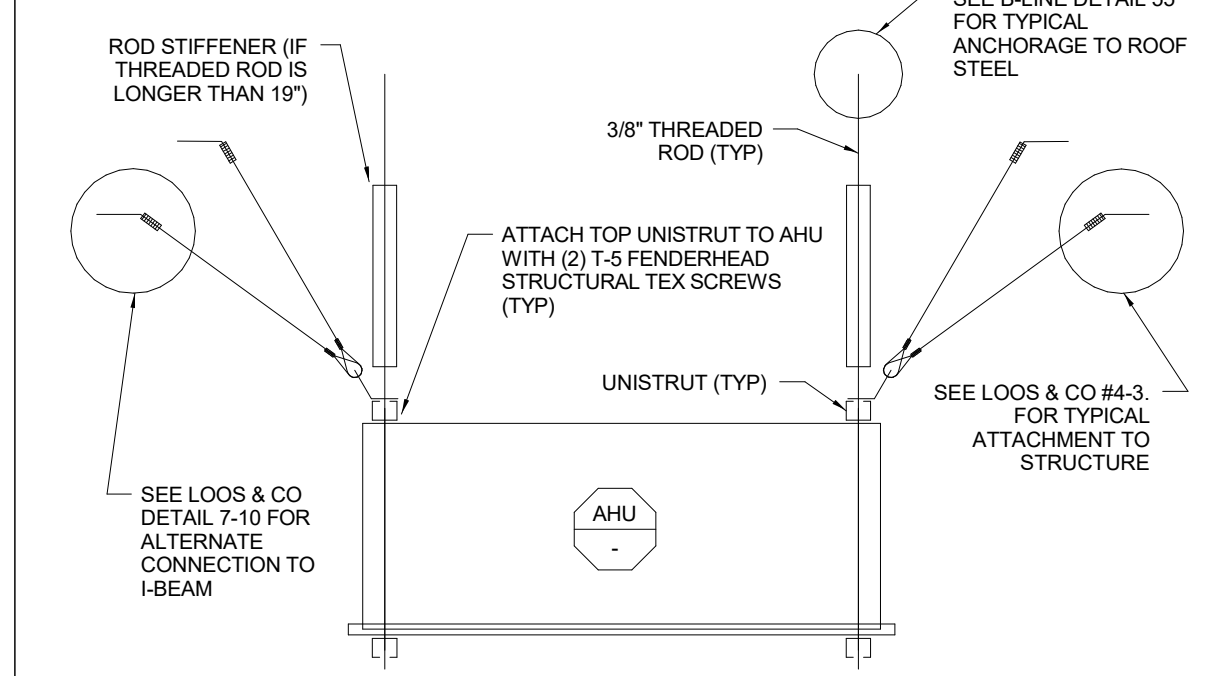
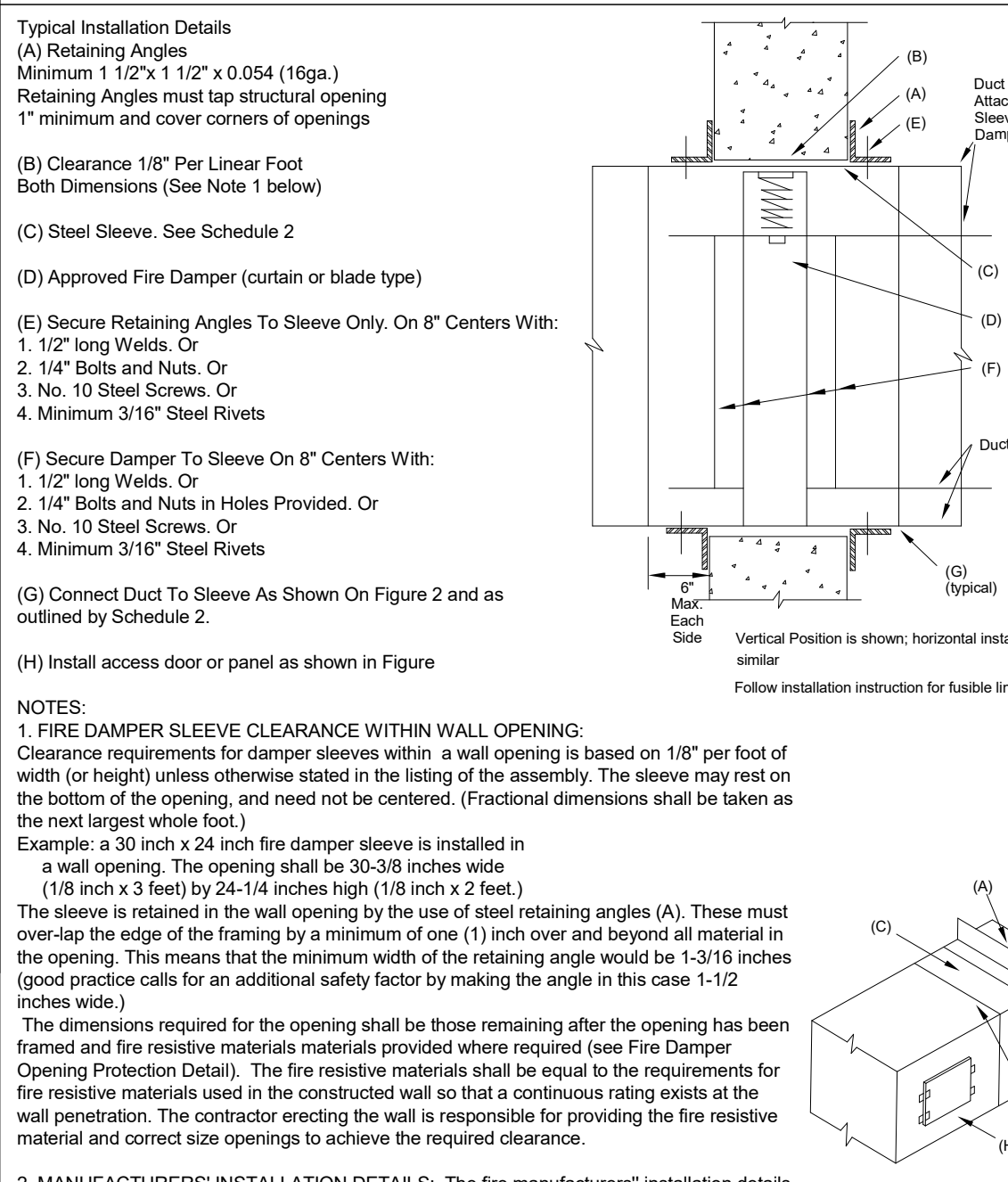
**14 VERTICAL FIRE DAMPER INSTALLATIONS**  
M4.00 NO SCALE



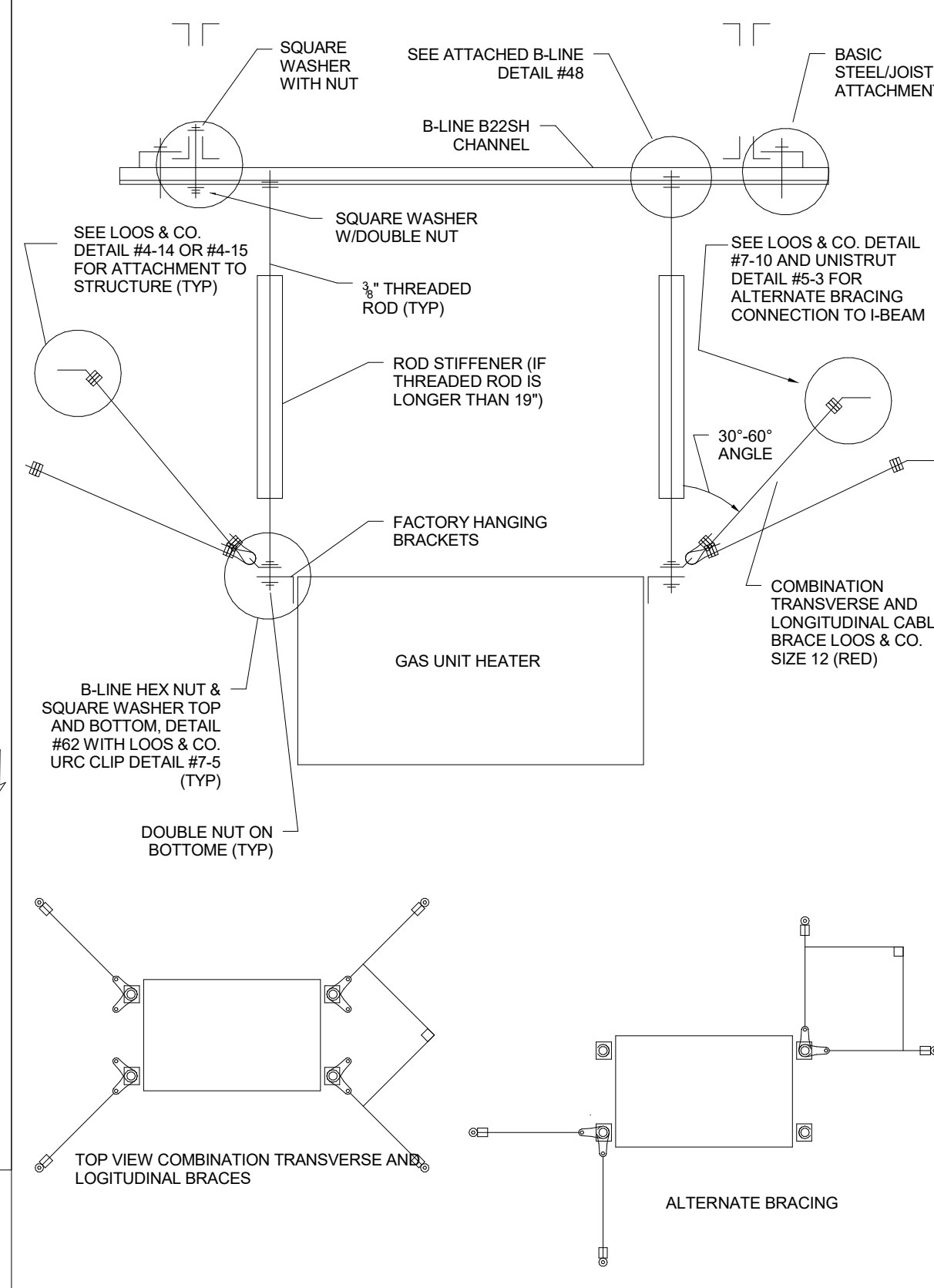
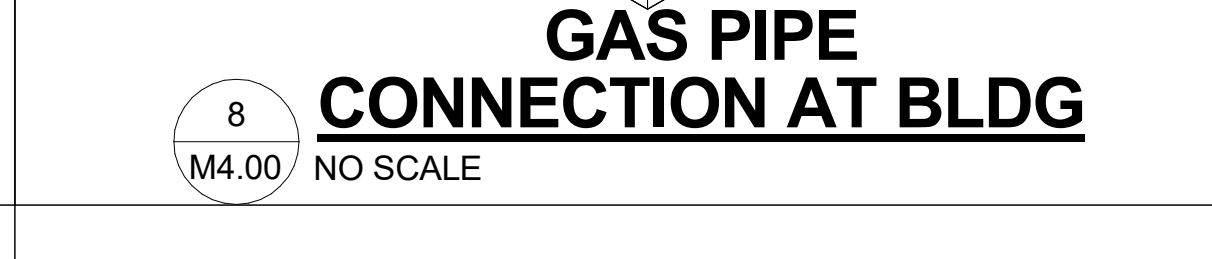
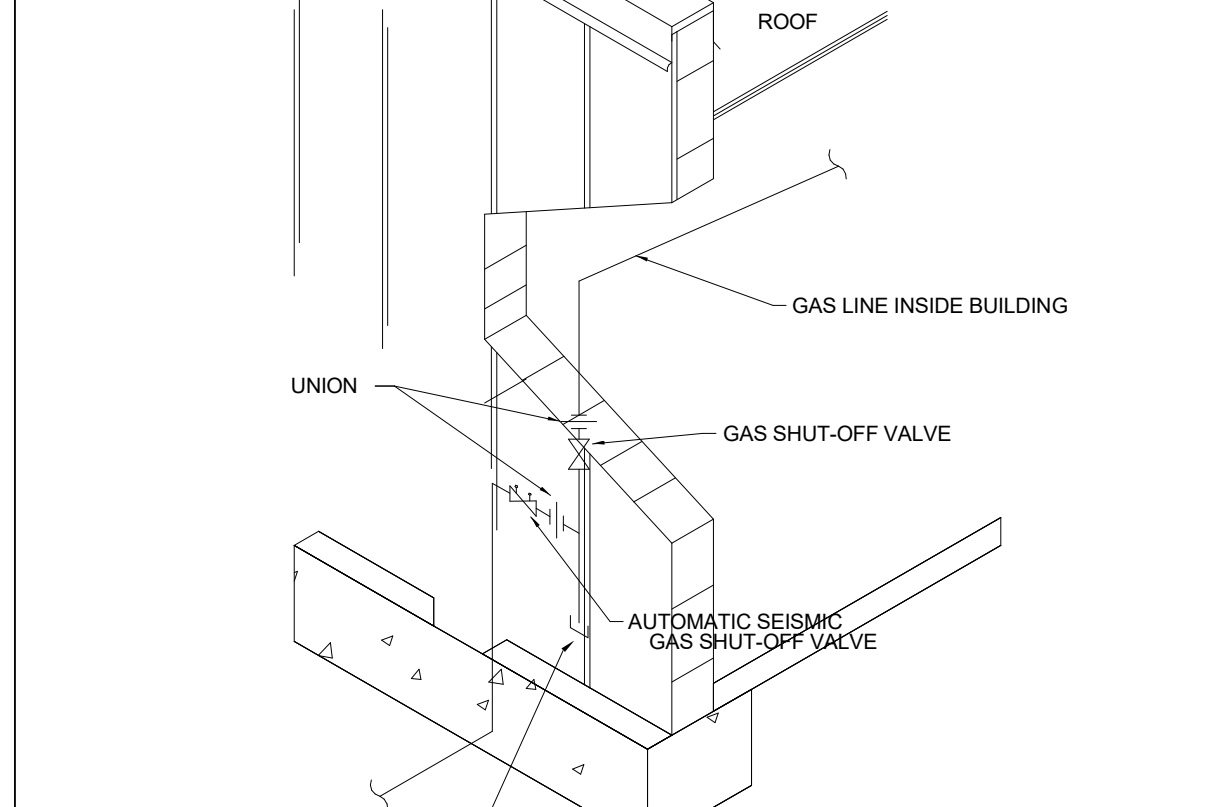
**10 FINAL CONNECTION GAS WATER HEATER**  
M4.00 NO SCALE



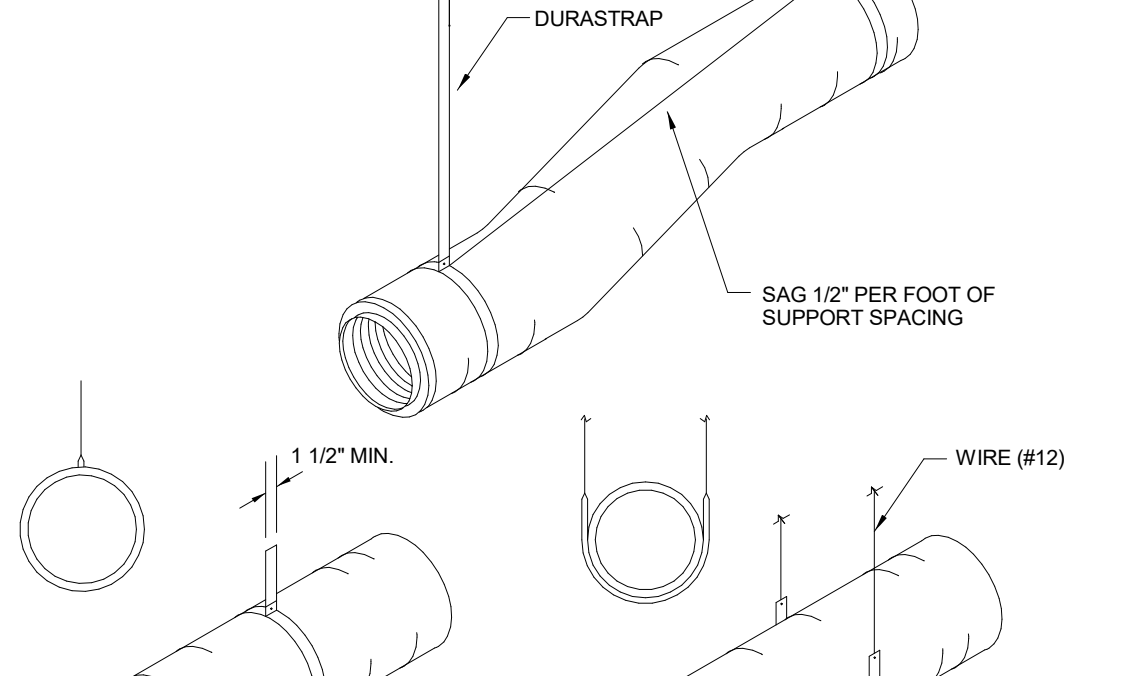
**11 GAS UNIT HEATER DETAIL**  
M4.00 NO SCALE



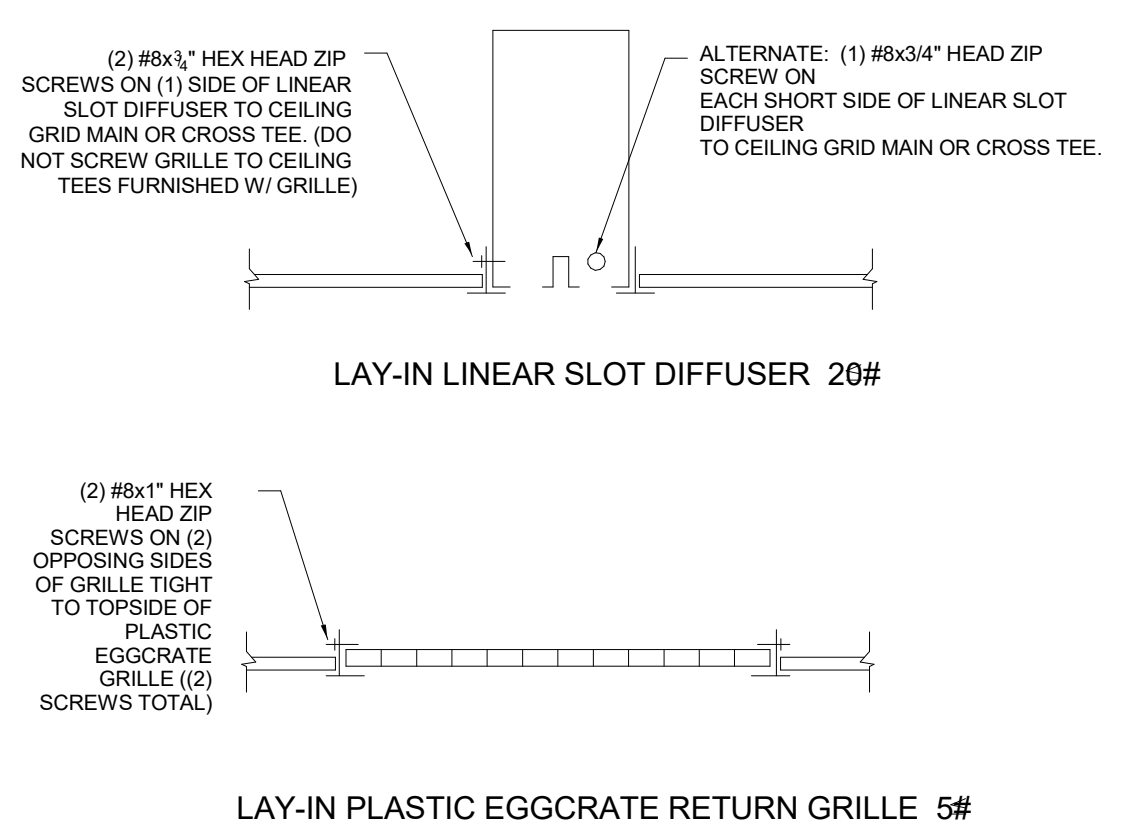
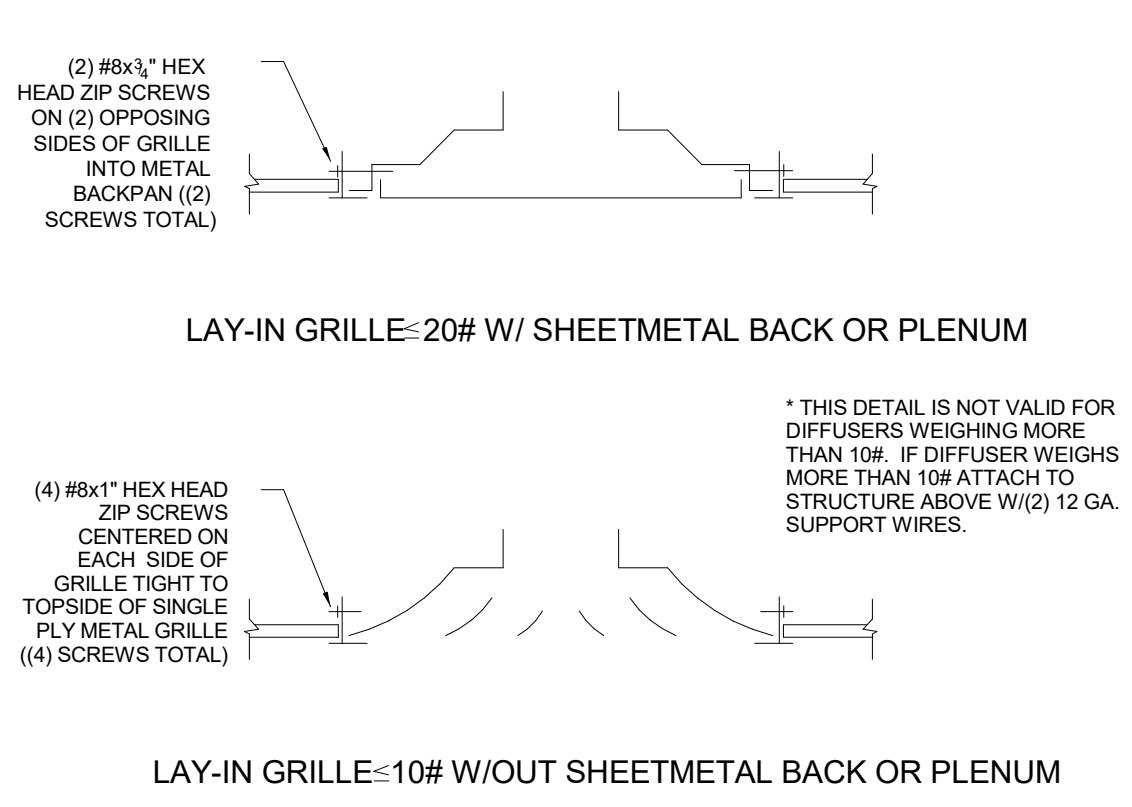
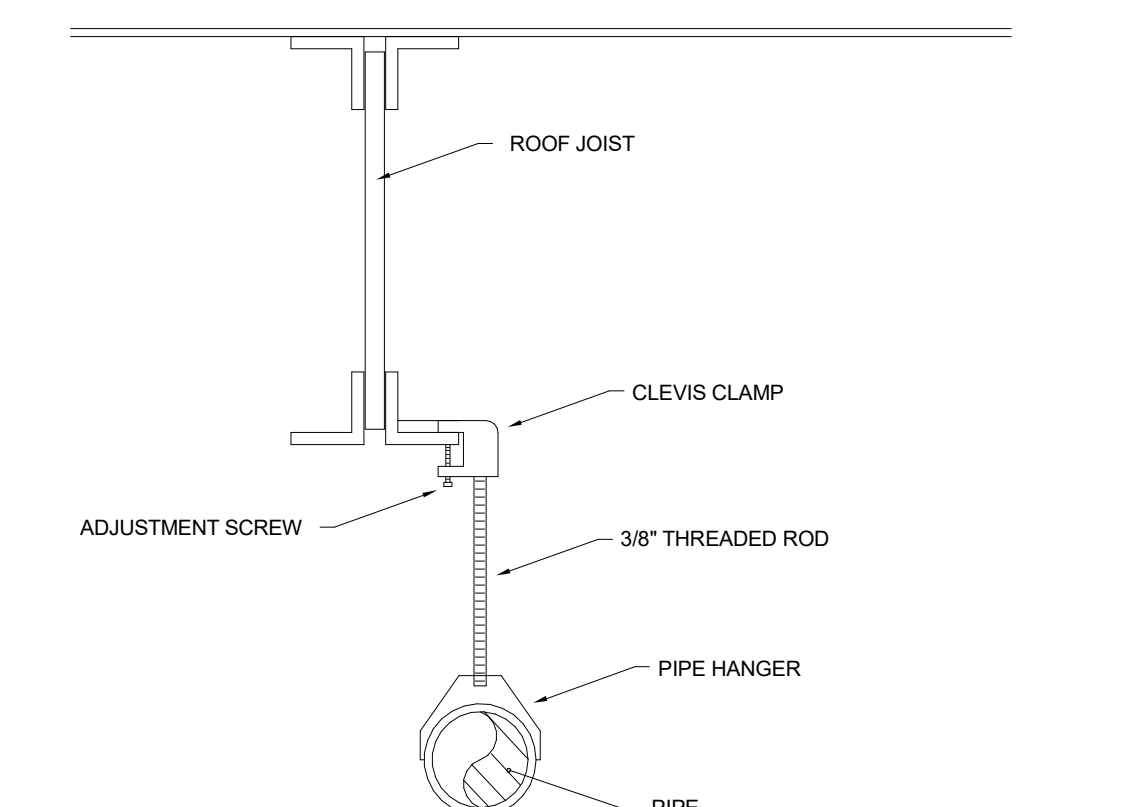
**7 HORIZONTAL AHU HANGING AND SEISMIC SWAY BRACING DETAIL**  
M4.00 NO SCALE



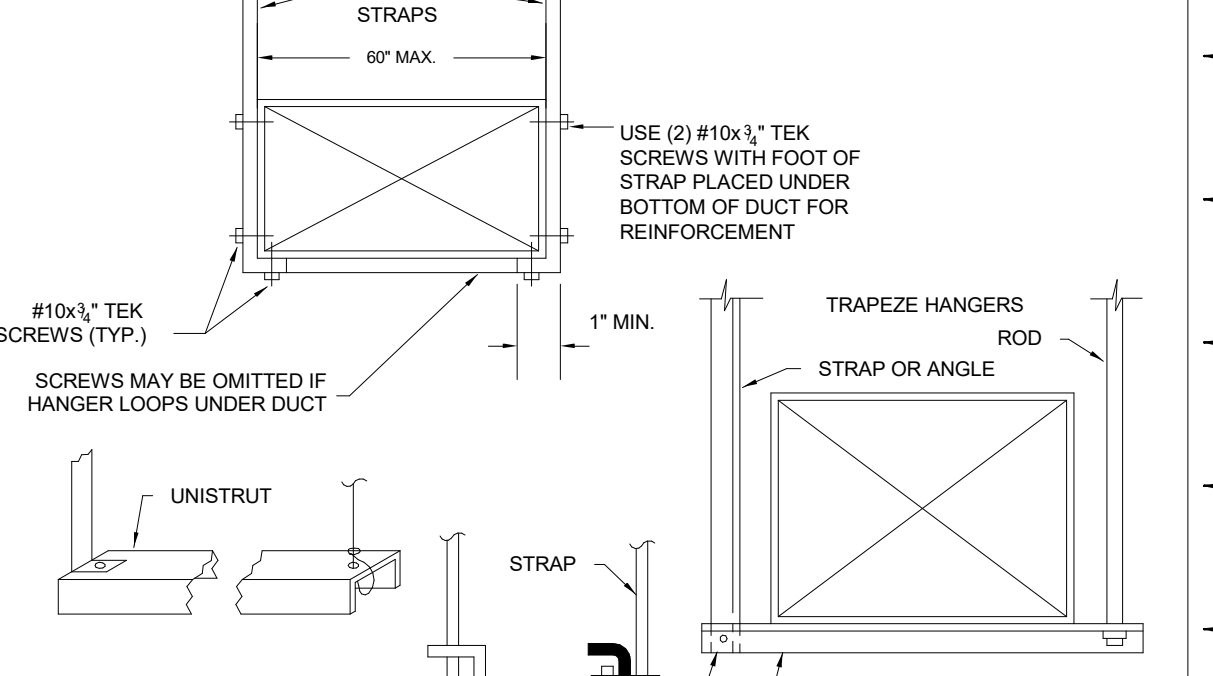
**9 GAS UNIT HEATER SEISMIC SWAY CABLE BRACING**  
M4.00 NO SCALE



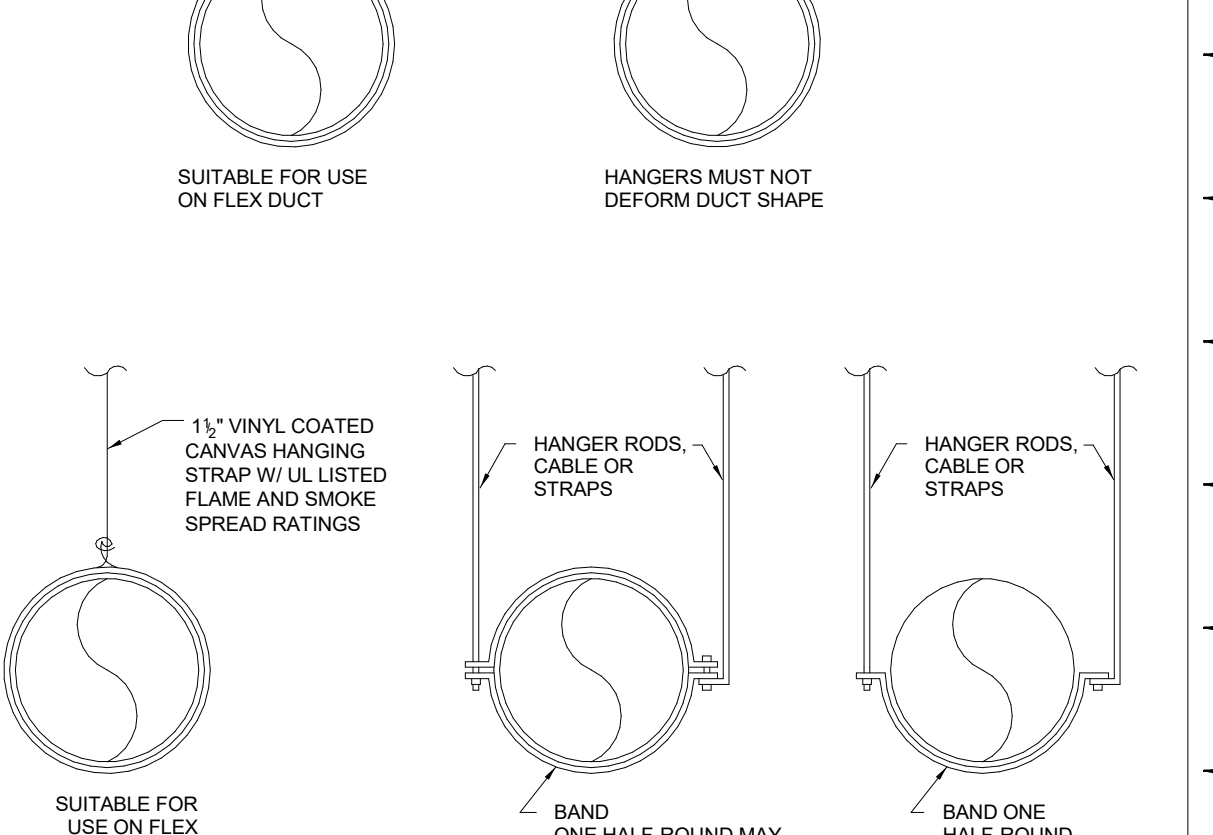
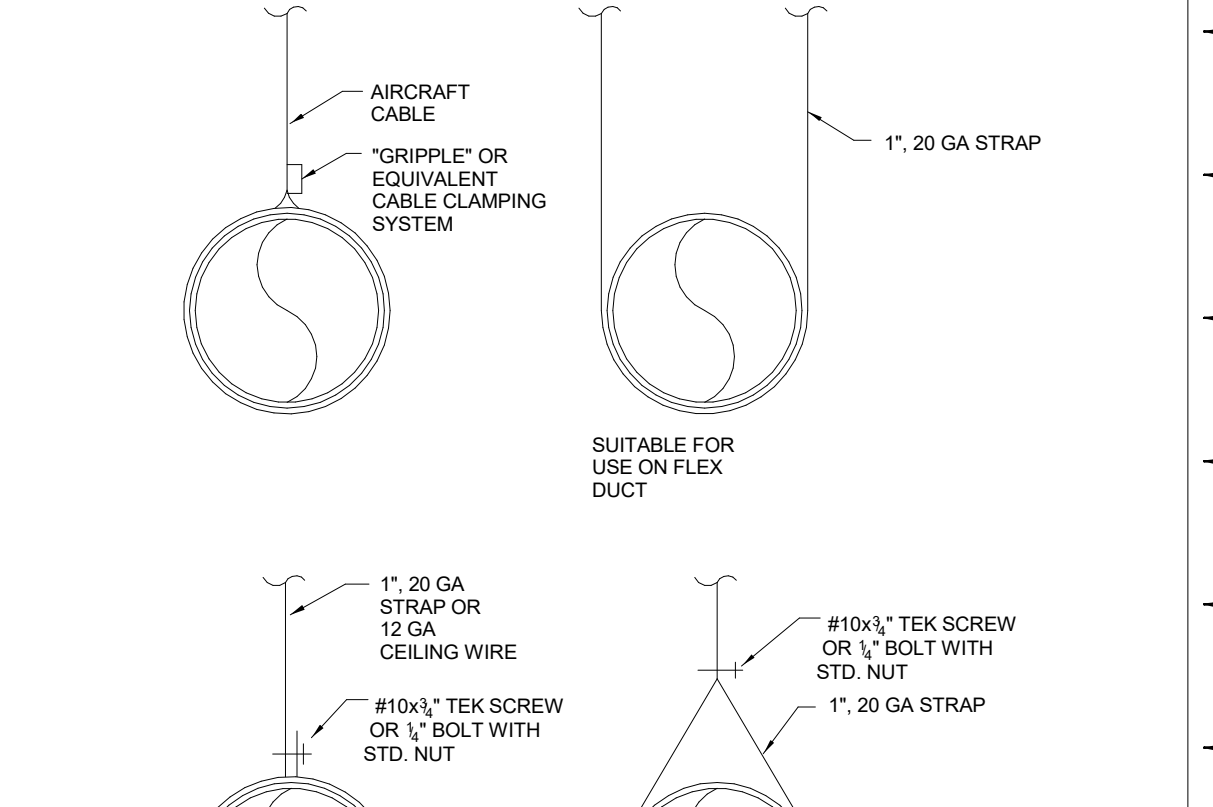
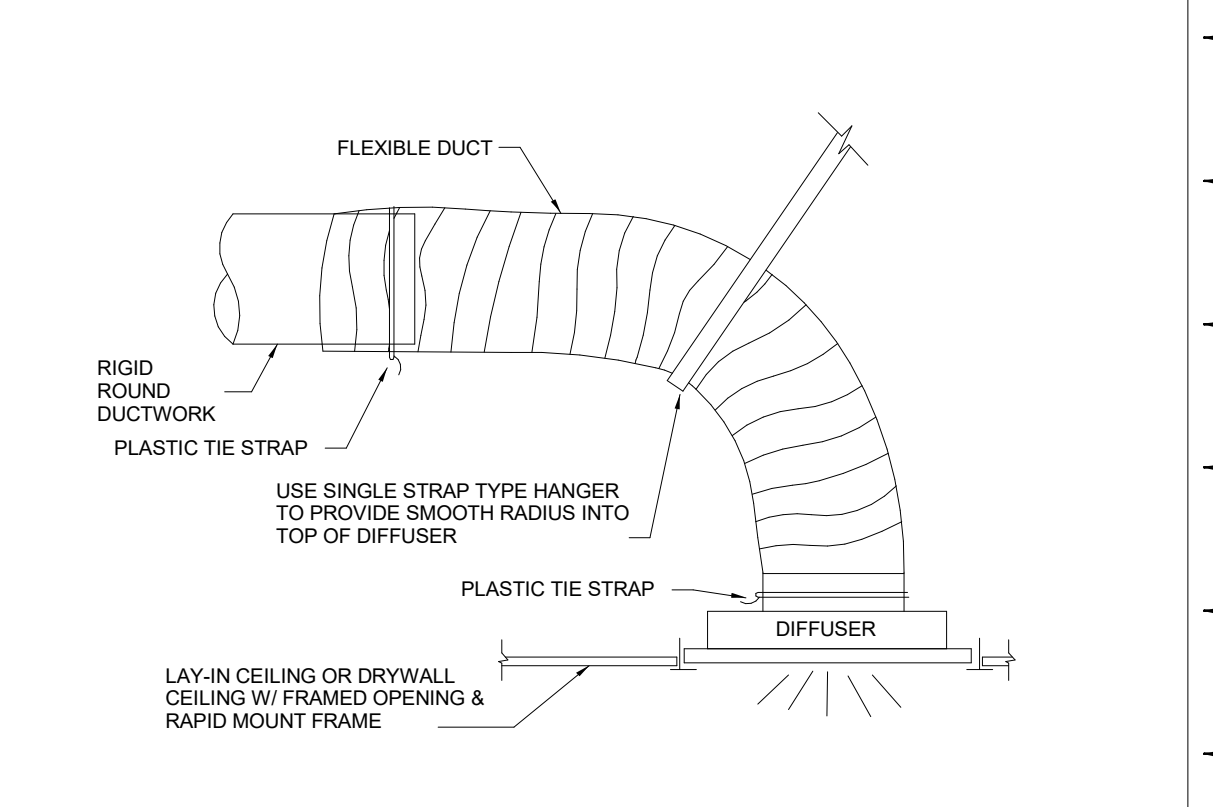
**4 FLEXIBLE DUCT SUPPORT**  
M4.00 NO SCALE



**6 TYPICAL LAY-IN AIR DEVICE INSTALLATION DETAIL**  
M4.00 NO SCALE



**1 RECTANGULAR DUCT SUPPORT DETAIL**  
M4.00 NO SCALE



**3 RIGID ROUND & FLAT OVAL DUCT SUPPORT DETAILS**  
M4.00 NO SCALE

Revisions:

No.	Date	Description
09.13.2025	09.13.2025	ISSUED FOR PERMIT
1	09.30.2025	ADDENDUM 2

Sheet Info:  
MECHANICAL DETAILS

Drawn By: CGS  
Checked By: MDJ  
Commission: 025-2125  
Date: 2025-09-13

M4.00

SHEETMETAL SPECIFICATION

Table with columns for System, S.A. Ductwork Classification, S.A. Ductwork Dimensions, S.A. Ductwork, and S.A. Ductwork. Includes sections for Exhaust Fans, Rerouting Duct Construction Requirements, and Pressure Classes.

PIPING SPECIFICATION

Table with columns for Condensate Drain Piping, Gas Piping, and Refrigerant Piping. Includes detailed notes on materials, installation, and testing procedures.

ABBREVIATION LEGEND

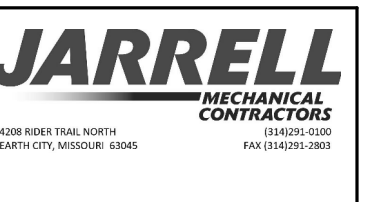
Table listing abbreviations and their corresponding full names, such as A.F.F. ABOVE FINISHED FLOOR, B.O.E. BOTTOM OF EQUIPMENT, and C.O.P. CENTER OF PILE.

INSULATION SPECIFICATION

Table listing insulation types and their corresponding full names, such as A.C.S. AIR CONDITIONING SYSTEM, A.I. AIR INSULATION, and A.M. AIR MESH.

GENERAL MECHANICAL NOTES

- List of general mechanical notes including: 1. UNLESS OTHERWISE NOTED BY THE GENERAL CONTRACTOR... 2. ALL UNLESS PAINTING, PRIMING, PATCHING AND PAINTING REQUIRED... 3. ALL POWER CONTROL, INTERLOCK WIRING...



WCFPD - Station 3
Wright City Fire Protection District
9 Highway WW Wight City, MO

Revisions table with columns for No., Date, and Description. Includes revision 1 dated 09.30.2025.

Sheet Info: SPECIFICATIONS

Drawn By: CGS
Checked By: MDJ
Commission: 025-2125
Date: 2025-09-13

M4.01

**SEISMIC CODE BLOCK**

OCCUPANCY CATEGORY ( I )	ANCHORAGE TO FLOOR, ROOF, ETC.				SWAY BRACING				LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
	LISTING OF EQUIPMENT & SYSTEM COMPONENTS		ON CONTRACT DOCUMENTS		SUBSEQUENT SUBMITTAL		SEISMIC DESIGN CATEGORY ( D )					
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	PLAN SPECS/PAGES	SHOP DRAWINGS	SEPARATE PERMIT & PLANS					
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS												
AHU												SEE DETAIL TRM-10
CONDENSING UNIT												EXEMPT PER AIS 1-10, SECTION 13.4.4, WT < 400 LBS, WITHIN 4 FT OF GRADE
LAY-IN AIR DEVICES												SEE DETAIL BMA-10
CEILING MOUNTED EXHAUST FAN												EXEMPT PER AIS 1-10, SECTION 13.4.4, WT < 25 LBS
DUCTWORK & DUCT												EXEMPT PER AIS 1-10, SECTION 13.4.2, DUCTWORK < 6" SF
REFRIGERANT & CONDENSATE SWAY BRACING												EXEMPT PER AIS 1-10, SECTION 13.4.3.1, 1.5, PIPE SIZE < 1"
GAS PIPING												SEISMIC GAS VALVES, SEE DETAIL BMA-10
GAS UNIT HEATERS												SEE DETAIL BMA-10

**LIQUID PROPANE GAS PRESSURE REGULATORS**

EQUIPMENT SIZES	CAPACITY (CFH)	INLET PRESSURE		OUTLET PRESSURE		SIZE FINISH	EQUAL TO MAKE/MODEL
		MIN.	MAX.	MIN.	MAX.		
AREA 1 AREA 2	40	14"	24"	11" WC	13" PWC	3/4"	MANITROL 325.5
AREA 3	40	14"	24"	11" WC	13" PWC	3/4"	MANITROL 325.5
GAS TUBING	40	14"	24"	11" WC	14" WC	3/4"	MANITROL 325.5
AREA 4	30	14"	24"	11" WC	14" WC	3/4"	MANITROL 325.5
DOM. WTR. HR.	100	14"	24"	8" WC	14" WC	3/4"	MANITROL 325.5

**FIRE DAMPER SCHEDULE**

PLAN MARK	DUCT SIZE	WALL/FLOOR THICKNESS	ORIENTATION (VERT OR HORIZ)	RATING (FIRE)	ACCESS DOOR (Y/N)	VELOCITY (FT/MIN)	STYLE	LOCATION
FD-1	36" X 12"	6"	VERT.	1-1/2	Y	900	A	DAYROOM 101
FD-2	36" X 12"	6"	VERT.	1-1/2	Y	900	A	DAYROOM 101

DUCT CONNECTION:  
 TOP: TOP CONNECTION SHOWN, EXCEPT LOOSE ON NON-ACCESS DOOR END  
 S&D: S&D & DRIVE CONNECTION SHOWN, EXCEPT LOOSE ON NON-ACCESS DOOR END  
 NONE: NO CONNECTIONS PROVIDED  
 N/A: NOT APPLICABLE

STYLE:  
 A - BLADES IN AIRSTREAM  
 B - BLADES OUT OF AIRSTREAM  
 C - ROUND WITH BLADES OUT OF AIRSTREAM  
 CO - OVAL WITH BLADES OUT OF AIRSTREAM  
 CW - OVAL WITH BLADES OUT OF AIRSTREAM  
 DW - OVAL WITH BLADES OUT OF AIRSTREAM

GENERAL:  
 1. PROVIDE ONE SEED ANGLE ON ALL FIRE DAMPERS  
 2. SYSTEM BLADES IF BEYOND WALL/FLOOR ON SIDE WITHOUT ACCESS DOOR  
 3. B, C & CO STYLE DAMPERS HAVE WALL/FLOOR OPENINGS LARGER THAN DUCT SIZE  
 4. FIELD VERIFY FIRE DAMPER BEFORE ORDERING

FINISH:  
 BK - BLACK  
 BW - WHITE ENAMEL  
 CA - CLEAR ANODIZED  
 PC - PRIME COAT FOR FIELD PAINTING BY THE GENERAL CONTRACTOR  
 BLK - BLACK  
 GALV - GALVANIZED

**GAS UNIT HEATER**

TYPE OF EQUIPMENT	GAS UNIT HEATER	GAS UNIT HEATER
PLAN REFERENCE	QUA1 THRU 7	QUA8
QUANTITY	7	1
TEST CAP. (W/OUT DSH)	9077.25	30324.9
HP	5.67	5.67
FLUE	6.2	6.2
VOLTAGE	120/190	120/190
FLUE SIZE	7.0	7.0
EQUAL TO MAKE	MOORE	MOORE
MODEL	HE43	HE50
ACCESSORIES	1-8	1-8

**AIR DEVICE SCHEDULE**

PLAN MARK	MAKE/MODEL	ACCESS	MATL.	FINISH	NOTES
81	TT15W1M6	-	ST	BNK	24" X 24" LAY IN, SIZE ON DWG
82	TT15W1M6	RMP	ST	BNK	24" X 24" LAY IN, SIZE ON DWG
83	TT15W1M6	-	ST	BNK	24" X 24" SURFACE MOUNT, SIZE ON DWG
84	TT15W1M6	-	ST	BNK	24" X 24" LAY IN, 24" X 24" RECK
85	TT15W1M6	-	ST	BNK	24" X 24" SURFACE MOUNT, SIZE ON DWG
86	TT15W1M6	RMP	ST	BNK	24" X 24" LAY IN, 24" X 24" RECK

ACCESSORIES:  
 1. - WALL MOUNTED  
 2. - 24 VOLT CONTROL SYSTEM AND TRANSFORMER  
 3. - FAN-WASH SAFETY LAMP CONTROLS  
 4. - ADJUSTABLE AIR DEFLECTOR BLADES  
 5. - SHOWN OUTSIDE  
 6. - 24 VOLT REMOTE HEAT ONLY THERMOSTAT  
 7. - A.S.A. CERTIFIED  
 8. - PROPANE GAS

FINISH:  
 BK - BLACK  
 BW - WHITE ENAMEL  
 CA - CLEAR ANODIZED  
 PC - PRIME COAT FOR FIELD PAINTING BY THE GENERAL CONTRACTOR  
 BLK - BLACK  
 GALV - GALVANIZED

**LOUVERS**

TYPE OF EQUIPMENT	LOUVER	LOUVER	LOUVER
PLAN REFERENCE	L-1	L-2	L-3
QUANTITY	1	1	1
TEST CAP. (W/OUT DSH)	APR1-2.3	APP BAY 117	APP BAY 118
CFM	330	1900	1900
HP	6.67	6.67	6.67
VOLTAGE	115	120	120
FLUE AREA SF	1.96	1.79	3.95
HEIGHT	24"	30"	30"
EQUAL TO MAKE	TRANE	TRANE	TRANE
MODEL	ELP350X	ELD350X	ELD350X
ACCESSORIES	1-3	1-4	1-4A

TYPE OF EQUIPMENT	LOUVER	LOUVER
PLAN REFERENCE	L-4	L-5
QUANTITY	1	1
TEST CAP. (W/OUT DSH)	APP BAY 118	RANGE HOOD
CFM	1800	315
HP	6.67	6.67
VOLTAGE	120	120
FLUE AREA SF	3.35	1.36
HEIGHT	30"	30"
EQUAL TO MAKE	TRANE	TRANE
MODEL	ELP350X	ELP350X
ACCESSORIES	1-3	1-3

ACCESSORIES:  
 1. - WALL MOUNTED  
 2. - 24 VOLT CONTROL SYSTEM AND TRANSFORMER  
 3. - FAN-WASH SAFETY LAMP CONTROLS  
 4. - ADJUSTABLE AIR DEFLECTOR BLADES  
 5. - SHOWN OUTSIDE  
 6. - 24 VOLT REMOTE HEAT ONLY THERMOSTAT  
 7. - A.S.A. CERTIFIED  
 8. - PROPANE GAS

**GAS SPLIT SYSTEMS**

TYPE OF EQUIPMENT	SPLIT SYSTEM	SPLIT SYSTEM
PLAN REFERENCE	AKH01-1.2	AKH01-3
QUANTITY	2	1
ROOM DESIGN	75	75
OUTDOOR AMBIENT DESIGN	99	99
TOTAL COOLING CAP. (AMB)	20.3	20.9
SEER COOLING CAP. (AMB)	22.5	17.2
PTD. CAP. (AMB INDOOR)	45.58.2	45.58.8
E.C.T. (AMB)	800	800
CFM @ 3.0"	1050.0	700.0
CFM @ 3.5"	970	650
CFM @ 4.0"	870	570
VOLTAGE	120/190	120/190
OPERATING WT. LBS	100	100
EQUAL TO MAKE	TRANE	TRANE
MODEL	SAR500A4P30A	SAR500A4P30A
ACCESSORIES	1-8	1-8

ACCESSORIES:  
 1. - CONDENSATE HEATER  
 2. - FILTERS  
 3. - PRE-INSULATED LINE SET BY A.C.  
 4. - PROGRAMMABLE THERMOSTAT  
 5. - STYROFOAM INSULATION ON COIL  
 6. - PROPANE GAS

**RANGE HOOD**

TYPE OF EQUIPMENT	RANGE HOOD
PLAN REFERENCE	R-1
QUANTITY	1
TEST CAP. (W/OUT DSH)	APR1-2.3
CFM	330
HP	6.67
VOLTAGE	120/190
FLUE AREA SF	1.96
HEIGHT	24"
EQUAL TO MAKE	TRANE
MODEL	ELD350X
ACCESSORIES	1-4

ACCESSORIES:  
 1. - WALL MOUNTED  
 2. - 24 VOLT CONTROL SYSTEM AND TRANSFORMER  
 3. - FAN-WASH SAFETY LAMP CONTROLS  
 4. - ADJUSTABLE AIR DEFLECTOR BLADES  
 5. - SHOWN OUTSIDE  
 6. - 24 VOLT REMOTE HEAT ONLY THERMOSTAT  
 7. - A.S.A. CERTIFIED  
 8. - PROPANE GAS

**EXHAUST FANS**

TYPE OF EQUIPMENT	EXHAUST FAN	EXHAUST FAN	EXHAUST FAN
PLAN REFERENCE	EF1 THRU EF-4	EF-5	EF-6
QUANTITY	4	1	1
TEST CAP. (W/OUT DSH)	APP BAY 117	APP BAY 118	APP BAY 118
CFM	80	180	180
HP	0.27	0.27	0.27
VOLTAGE	120/190	120/190	120/190
FLUE AREA SF	1.96	1.96	1.96
HEIGHT	30"	30"	30"
EQUAL TO MAKE	TRANE	TRANE	TRANE
MODEL	SG25-10	24P1825208	CH190
ACCESSORIES	1-3	1-7, 8	1, 2, 3, 9

ACCESSORIES:  
 1. - GRAVITY BACKDRIFT DAMPER  
 2. - 4" TO 4" REDUCER  
 3. - 4" X 1/2" WALL CAP.  
 4. - PRE-WIRED NEMA 1 DISCONNECT SWITCH  
 5. - GRAVITY DISCONNECT SWITCH  
 6. - WALL COLLAR  
 7. - MOTOR SIDE WIRE GUARD  
 8. - FAN SPEED CONTROLLER  
 9. - INTERLOCK WITH LOUVER L-2 BY E.C.  
 10. - INTERLOCK WITH LOUVER L-3 BY E.C.



WCFPD - Station 3  
 Wright City Fire Protection District  
 9 Highway WW Wight City, MO

Revisions:

No.	Date	Description
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1	09.30.2025	ADDENDUM 2

Sheet Info:  
 MECHANICAL SCHEDULES

Drawn By: CGS  
 Checked By: MDJ  
 Commission: 025-2125  
 Date: 2025-09-13

M5.00

Revisions:

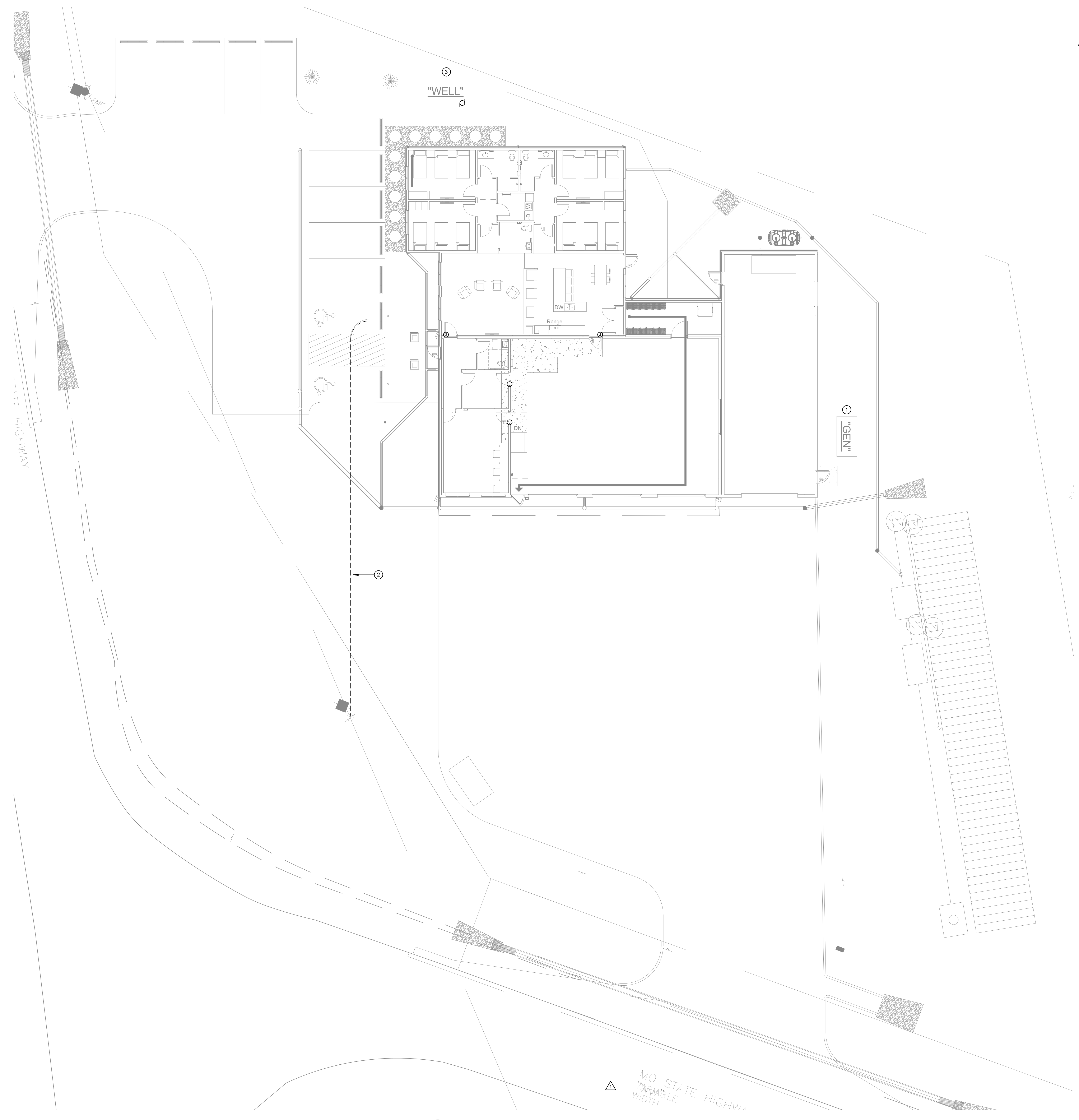
No:	Date:	Description:
1	09-19-2025	ADDENDUM #1
2	09-26-2025	ADDENDUM #2

Sheet Info:

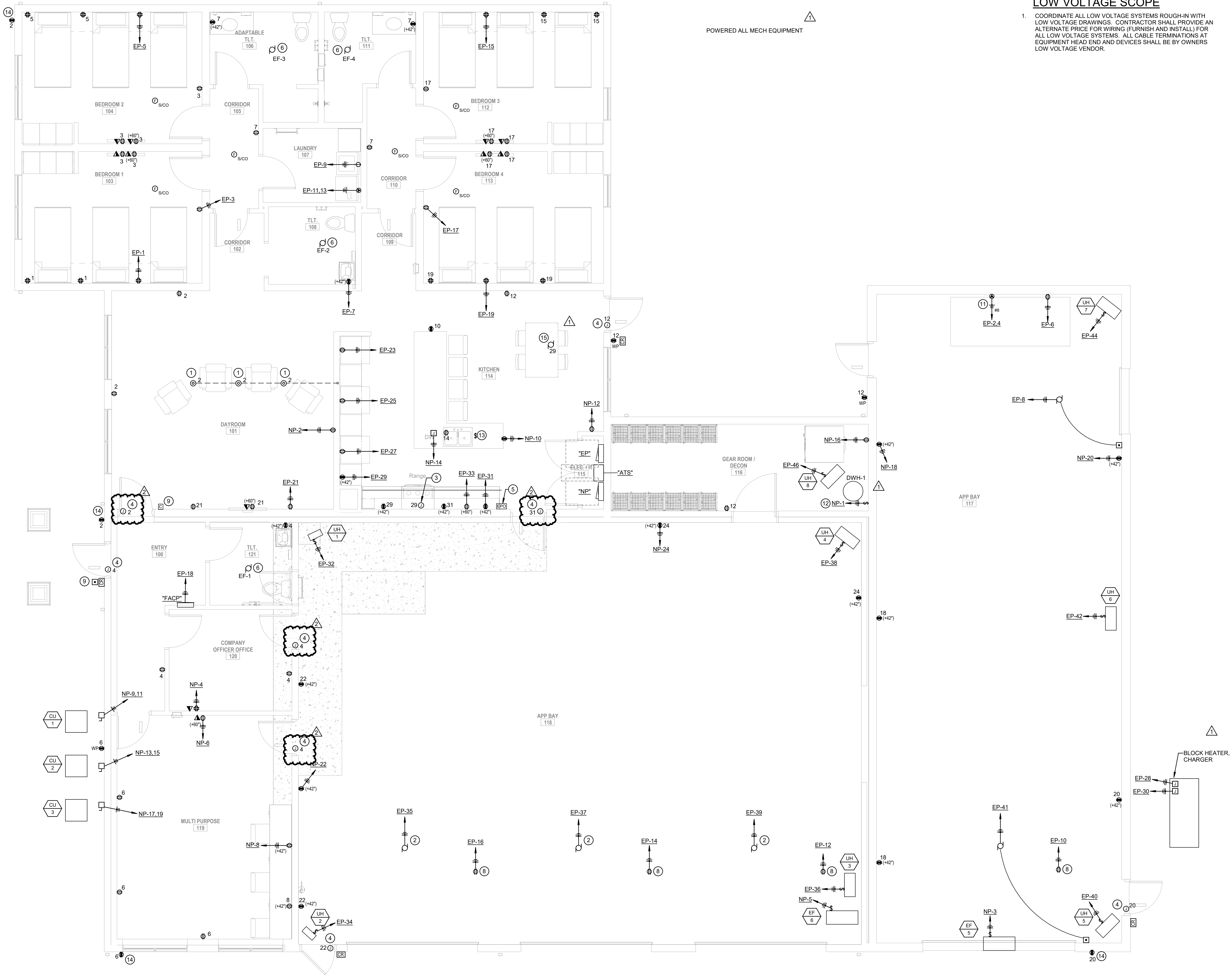
ELECTRICAL SITE PLAN	
Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-11

**E100**

- KEYED NOTES**
- CONTRACTOR TO DISCONNECT EXISTING GENERATOR FROM HOUSE #1, REMOVE MANUAL EXTERIOR DISCONNECT AND MAKE SURE ALL BRANCH CIRCUITS AT HOUSE 1 ARE STILL CONNECTED. RELOCATE GENERATOR TO HOUSE 3 AND THIS LOCATION SHOWN. PROVIDE 4" HOUSEKEEPING PAD. PROVIDE CONDUITS PER ONELINE DIAGRAM. IN ADDITION, PROVIDE (2) 1" FOR CONTROLS. PROVIDE NEW FUEL FOR GENERATOR ONCE INSTALLED.
  - PROVIDE SECONDARY CONDUIT UP POLE PER CRE UTILITY STANDARDS. SEE ONELINE DIAGRAM.
  - PROVIDE POWER TO WELL PUMP PER MANUFACTURERS RECOMMENDATIONS.



**ELECTRICAL SITE PLAN**  
 SCALE: 1" = 10'-0"



**LOW VOLTAGE SCOPE**

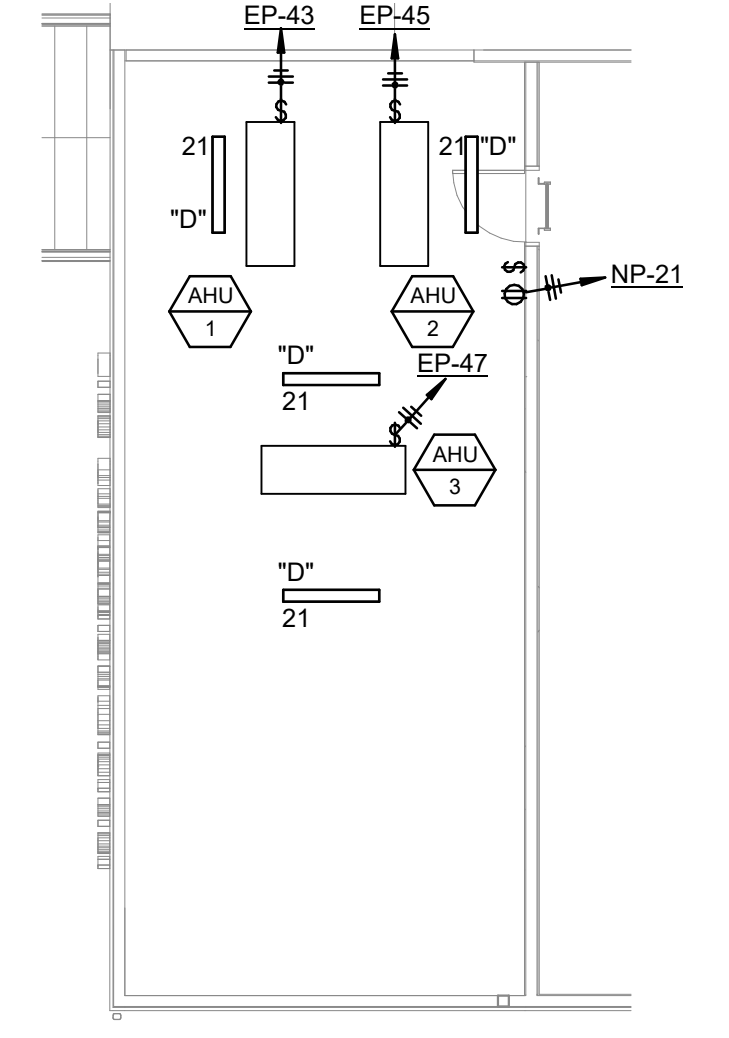
- COORDINATE ALL LOW VOLTAGE SYSTEMS ROUGH-IN WITH LOW VOLTAGE DRAWINGS. CONTRACTOR SHALL PROVIDE AN ALTERNATE PRICE FOR WIRING (FURNISH AND INSTALL) FOR ALL LOW VOLTAGE SYSTEMS. ALL CABLE TERMINATIONS AT EQUIPMENT HEAD END AND DEVICES SHALL BE BY OWNERS LOW VOLTAGE VENDOR.

**GENERAL NOTES**

- ALL WALL ROUGH-IN SHALL HAVE A SITE WALK THROUGH AND SIGN OFF FROM OWNER PRIOR TO WIRE PULL AND DRYWALL.
- ALL CEILING ROUGH-IN WITHIN APP BAY TO HAVE A SITE WALK THROUGH AND SIGN OFF FROM OWNER PRIOR TO WIRE PULL.
- RECEPTACLES/LIGHTING CONTROLS IN THE APP BAY WILL BE ACCEPTABLE SURFACE MOUNTED (UNLESS IN DRYWALL) ON CMU WALLS.
- ALL OTHER RECEPTACLES/DEVICES/LTG CONTROLS OCCURRING IN CMU WALLS SHALL BE RECESSED.

**KEYED NOTES**

- PROVIDE NON METALLIC IN-SLAB FLOOR BOX WITH TWO DUPLEX RECEPTACLES AND TWO USB-A PORTS.
- RECONNECT EXISTING GARAGE DOOR OPENERS TO PANEL INDICATED.
- PROVIDE CONNECTION TO HOOD AND GAS STOVE IGNITER.
- PROVIDE POWER TO DOOR ACCESS POWER SUPPLY.
- PROVIDE EMERGENCY POWER OFF TO SHUT OFF GAS STOVE.
- CONTROL EXHAUST FAN WITH LIGHTING CIRCUIT/SWITCH.
- PROVIDE 6-POLE LIGHTING CONTACTOR WITH PHOTOCELL ON ROOF AND TIMELOCK FOR CONTROL OF EXTERIOR SITE LIGHTING POLES, MONUMENT SIGN AND APP BAY EXTERIOR LIGHTING.
- PROVIDE HEAVY DUTY CORD REEL, KH INDUSTRIES (OR EQUAL) WITH 50'-0" RETRACTABLE CORD AND GFCI RECEPTACLE. COORDINATE EXACT MOUNTING WITH STRUCTURE (PROVIDE UNISTRUT SUPPORT AS NEEDED) TO ENSURE DEVICE IS ON DRIVERS SIDE DOOR.
- PROVIDE STANDARD RESIDENTIAL STYLE DOORBELL SYSTEM WITH PUSH BUTTON AND CHIME. SEE SPECIFICATIONS FOR ALTERNATE DOORBELL SYSTEM TO BE PRICED.
- NOT USED.
- OUTLET INTENDED FOR COMPRESSOR. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH PURCHASED EQUIPMENT PRIOR TO ROUGH-IN.
- PROVIDE ADDITIONAL OUTLET AND 120V CONNECTION FROM NEAREST 20V CIRCUIT FOR RECIRC PUMP AT HOT WATER HEATERS.
- PROVIDE AIR SWITCH FOR GARBAGE DISPOSAL RECESSED IN COUNTER.
- INSTALL WP RECEPTACLE IN SOFFIT OVERHANG FOR FUTURE CHRISTMAS LIGHTS.
- PROVIDE POWER TO EXHAUST FAN FROM HOOD CIRCUIT.



**FLOOR PLAN - POWER & SYSTEMS**  
 SCALE: 1/4" = 1'-0"

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

Revisions:

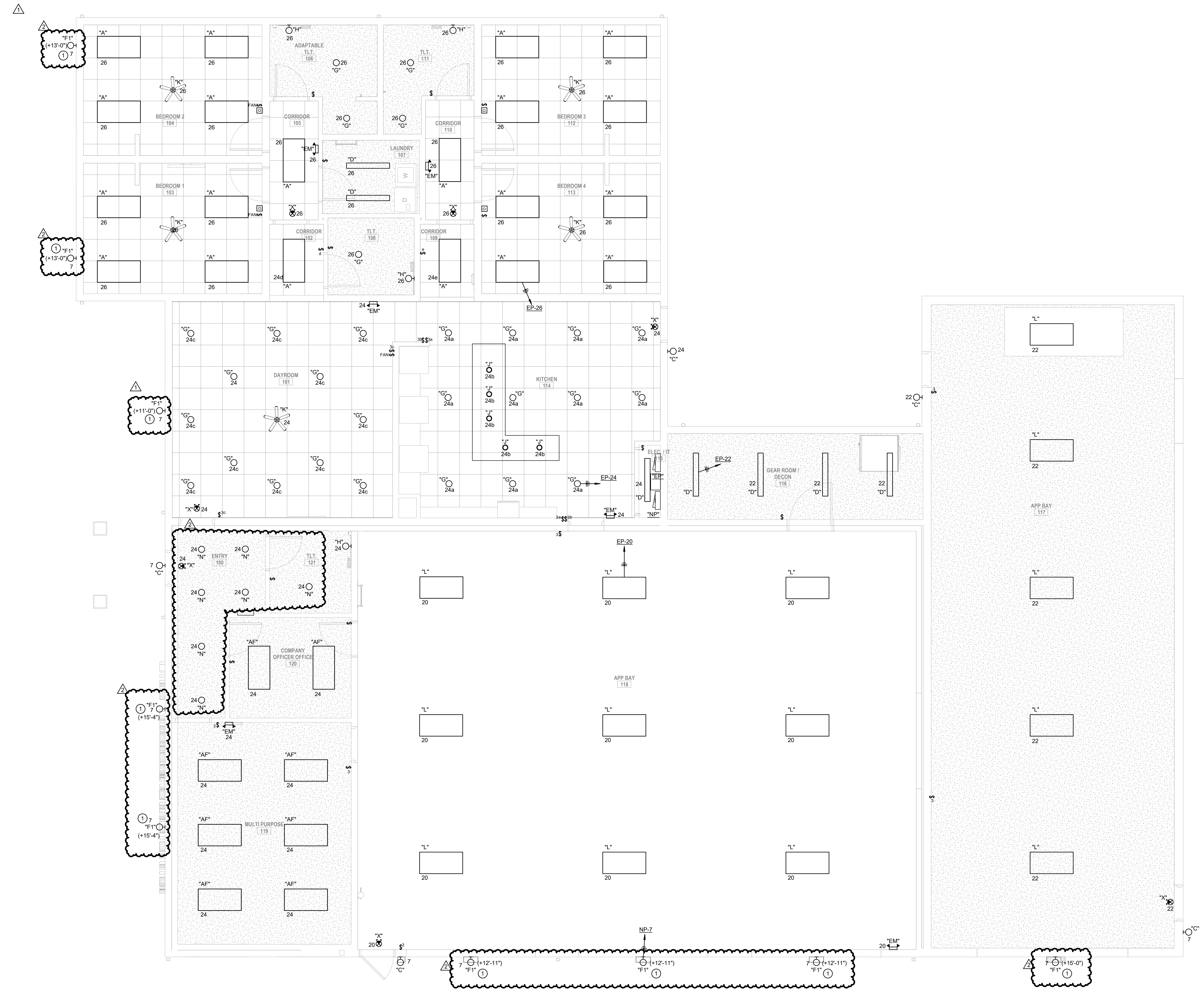
No:	Date:	Description:
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Sheet Info:

FLOOR PLAN	
Drawn By:	ENGENUITY
Checked By:	MAE
Commission:	025-2125
Date:	2025-09-11

**E201**

**KEYED NOTES**  
 1. PROVIDE ALTERNATE PRICE TO CHANGE FIXTURE 'F1' TO TYPE 'F1A' TO BE CONTROLLED VIA CASAMBI (APP BASED LIGHTING CONTROLLER). IF ALTERNATE IS CHOSEN, REMOVE OUTLETS IN SOFFITS FOR X-MAS LIGHTING.



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

**WCFPD - Station 3**  
**Wright City Fire Protection District**  
**9 Highway WW Wight City, MO**

Revisions:

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 CEILING PLAN  
 Drawn By: ENGENUITY  
 Checked By: MAE  
 Commission: 025-2125  
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**E301**

Revisions:

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ELECTRICAL  
SCHEDULES

Drawn By: ENGENUITY, MAE  
Checked By: MAE  
Commission: 025-2125  
Date: 2025-09-11

E500



208Y120V 3-PHASE, 4-WIRE + GROUND										BUS: 125 AMPS MAINS: MLO		PANEL NAME: EP FED FROM: MOUNTING:					
OPTIONS: Column-Type Configuration																	
N	DESCRIPTION	ID	VOLT AMPS			OCPD SIZE		VOLT AMPS			ID	DESCRIPTION	N				
			A	B	C	201	250	A	B	C							
	BUNK ROOM RECEP	R	1,080			201	1	2	402			R	AIR COMPRESSOR SCDA				
	BUNK ROOM RECEP	R		1,080		201	3	4		2,500	2,500						
	BUNK ROOM RECEP	R			1,080	201	5	6	201			180	SCDA OUTLET				
	BUNK RR / CORR RECEP	R	900			201	7	8	201	500		R	APP BAY OH DOOR				
	WASHING MACHINE	R		1,500		201	9	10	201		900	R	SHORE PLUG APP BAY				
	DRYER	R			2,500	302	11	12	201			900	R	SHORE PLUG APP BAY			
	BUNK ROOM RECEP	R	2,500			201	15	16	201	900		R	SHORE PLUG APP BAY				
	BUNK ROOM RECEP	R		1,080		201	17	18	201		900	R	FIRE ALARM CONTROL PANEL				
	BUNK ROOM RECEP	R	1,080			201	19	20	201	1,521		L	APP BAY LIGHTING				
	DAY ROOM TV WALL RECEP	R		540		201	21	22	201		957	L	APP BAY / GEAR LOCKER LTG				
	REFRIGERATOR	R			900	201	23	24	201		1,112	L	LIVING QUARTERS / MTG RM LTG				
	REFRIGERATOR	R	900			201	25	26	201	979		L	BUNK ROOM LIGHTING				
	KITCHEN RECEP	R		900		201	27	28	201	1,500		R	BLOCK HEATER GENERATOR				
	KITCHEN RECEP	R			500	201	29	30	201		500	R	BATTERY CHARGER GENERATOR				
	KITCHEN RECEP	R	360			201	31	32	201	100		G	UH-1				
	APP BAY OH DOOR	R		1,500		201	33	34	201		100	G	UH-2				
	APP BAY OH DOOR	R			500	201	35	36	201		100	G	UH-3				
	APP BAY OH DOOR	R	500			201	37	38	201	100		G	UH-4				
	APP BAY OH DOOR	R		500		201	39	40	201		100	G	UH-5				
	APP BAY OH DOOR	R			500	201	41	42	201		100	G	UH-6				
	AHU-1	G	1,200			201	43	44	201	100		G	UH-7				
	AHU-2	G		1,200		201	45	46	201		100	G	UH-8				
	AHU-3	G			960	201	47	48	201				SPARE				
	SPARE					201	49	50	201				SPARE				
	SPARE					201	51	52	201				SPARE				
	SPARE					201	53	54	201				SPARE				
	SPARE					201	55	56	201				SPARE				
	SPARE					201	57	58	201				SPARE				
	SPARE					201	59	60	201				SPARE				
CONNECTED LOAD (Downstream Loads Included)			15,220			15,357			11,212			41,789			116		
TOTAL PHASE "A" VA			15,220			15,357			11,212			41,789			116		
TOTAL PHASE "B" VA																	
TOTAL PHASE "C" VA																	
TOTAL CONNECTED VA			41,789			41,789			41,789			41,789			41,789		
TOTAL CONNECTED AMPS			116			116			116			116			116		
NOTES:																	
LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED																	
CATEGORY			CONNECTED			DEMAND			DESIGN VA			AMPS @ 208Y120V					
LIGHTING			4569			125%			5711			16					
RECEPT			10,000			100%			10000			28					
MOTOR			23060			50%			11530			32					
LRGST MTR			0			100%			0			0					
MISC GENERAL			4160			100%			4160			12					
KITCHEN			0			0			0			0					
ELEC HEAT			0			125%			0			0					
USER DEFINED			0			0			0			0					
USER DEFINED			0			0			0			0					
USER DEFINED			0			0			0			0					
TOTAL			41789			31401			87			87					

LUMINAIRE SCHEDULE									
TAG	MANUFACTURER	DESCRIPTION	INSTALLATION METHOD	LUMENS	VOLTAGE	WATTS	KELVIN	FEATURES/OPTIONS	
A	DAYBRITE	2FPZ-42B-835-4-DS-UNV-DIM	CR	4500	UNV	30	3000	2X4 FLAT PANEL	
AF	DAYBRITE	2FPZ-42B-835-4-DS-UNV-DIM	CR	4500	UNV	30	3000	SURFACE MOUNT	
B	DAYBRITE	2FPZ-39B-835-2-DS-UNV-DIM	CR	2734	UNV	30	3000	2X2 FLAT PANEL	
C	MULE	MERU-LED-BK-H	WIS	1800	UNV	32	4000		
D	DAYBRITE	FLP-4-40L-HE-835-R-UNV-DIM	CIS	4000	UNV	28	3000		
EM	CHLORIDE	CLU2-B-W	WIS	-	UNV	5	-		
F1	MCGRAW EDISON	GKO-PB1C-740-U-T4W-BPC	WIS	2200	UNV	25	4000		
F1A	OSI	RW-LD-10-02C-24-UNV-DI-BK	WIS	UNV				ALTERNATE FIXTURE	
G	ALPHABET	NLA-10-SV-SLM-30K-200-CL-WH-RET-120	CR	2000	UNV	24	3000		
H	VISUAL COMFORT	700BCSPAN-2S-LED900	WIS	1500	120V	16	3000		
J	BLACKJACK	SP-PBX-FR-10-BW-30K-12W-SP5	CP	1200	120V	10	3000		
K	GENERATION LTG	3ERAR528SD	CP	800	120	9	3000	INSTALL W/ WALL CONTROLLER	
L	HEW	GS-4-L240-9-40-MD-DIM-UNV-120	CP	24000	UNV	169	4000		
N	UNIMARK	NFLD-S-15-D-12V-33-XX-RX-7040	GRADE	5200	120	52	4000		
N	NORA	INEL0-9RTW-APW	CIS	1400	120	13	3000		
X	CHLORIDE	CLC-N-RW	UNIV	-	120	5	-		

ABBREVIATIONS: UNV UNIVERSAL 120-277V  
CP CEILING PENDANT  
CR CEILING RECESSED  
CIS CEILING SURFACE  
WIS WALL SURFACE

ORDERING NOTES:  
GENERAL NOTE:  
A. MANUFACTURERS LISTED ABOVE ARE THE BASIS OF DESIGN. CONTRACTOR TO REVIEW THOROUGHLY ALL COMPONENTS OF LISTED FIXTURE AND PROVIDE EITHER THE BASIS OF DESIGN OR AN EQUAL MANUFACTURER FOR REVIEW. SUBMITTED EQUAL FIXTURES SHALL OCCUR DURING THE SHOP DRAWING PROCESS AND WILL NOT REQUIRE PRE-APPROVAL. ENGINEER RESERVES FINAL DETERMINATION RIGHTS OF "EQUAL" INTERPRETATION.

208Y120V 3-PHASE, 4-WIRE + GROUND										BUS: 400 AMPS MAINS: MLO		PANEL NAME: NP FED FROM: MOUNTING:					
OPTIONS:																	
N	DESCRIPTION	ID	VOLT AMPS			OCPD SIZE		VOLT AMPS			ID	DESCRIPTION	N				
			A	B	C	201	250	A	B	C							
	DWH-1	G	1,200			201	1	2	201	1,080		R	DAY ROOM RECEP				
	EF-5	G		1,176		201	3	4	201		720	R	COMPANY OFFICE RECEP				
	EF-6	G			1,176	201	5	6	201		720	R	MEETING ROOM RECEP				
	FAÇADE LIGHTING	L	256			201	7	8	201	360		R	MEETING ROOM RECEP				
	CU-1	M		1,976		302	9	10	201		360	R	KITCHEN ISLAND RECEP				
	-	M			1,976	201	11	12	201		540	R	KITCHEN GEN RECEP				
	CU-2	M	1,976			302	13	14	201	500		R	DISHWASHER/GB				
	CU-3	M		1,976		201	15	16	201	1,500		R	GEAR EXTRACTOR				
	-	M	1,352			202	17	18	201		540	R	APP BAY RECEP				
	MEZZ POWERLTG	L		500		201	19	20	201	360		R	APP BAY RECEP				
	AHU-1	G	1,200			201	21	22	201	540		R	APP BAY RECEP				
	AHU-2	G		1,200		201	23	24	201		360	R	APP BAY RECEP				
	AHU-3	G			960	201	25	26	201				SPARE				
	SPARE					201	27	28	201				SPARE				
	SPARE					201	29	30	201				SPARE				
	SPARE					201	31	32	201				SPARE				
	SPARE					201	33	34	201				SPARE				
	SPARE					201	35	36	201				SPARE				
	ATS	G	9,347			1250	37	38	201				SPARE				
	-	G		9,347		201	39	40	201				SPARE				
	-	G			9,347	201	41	42	201				SPARE				
CONNECTED LOAD (Downstream Loads Included)			17,631			19,055			17,211			53,897			150		
TOTAL PHASE "A" VA			17,631			19,055			17,211			53,897			150		
TOTAL PHASE "B" VA																	
TOTAL PHASE "C" VA																	
TOTAL CONNECTED VA			53,897			53,897			53,897			53,897			53,897		
TOTAL CONNECTED AMPS			150			150			150			150			150		
NOTES:																	
LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED																	
CATEGORY			CONNECTED			DEMAND			DESIGN VA			AMPS @ 208Y120V					
LIGHTING			756			125%			945			3					
RECEPT			7,580			100%			7580			21					
MOTOR			10608			50%			5304			15					
LRGST MTR			0			125%			0			0					
MISC GENERAL			34953			100%			34953			97					
KITCHEN			0			0			0			0					
ELEC HEAT			0			125%			0			0					
USER DEFINED			0			0			0			0					
USER DEFINED			0			0			0			0					
USER DEFINED			0			0			0			0					
TOTAL			53897			54086			150			150					