

# FIVESTAR STORE NEWCOMB OIL CO., LLC

5 JOLLY WAY  
CADIZ, KY 42211

## ARCHITECT:

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## GENERAL CONTRACTOR:

BCD, INC.  
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## MEP ENGINEERS

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## OWNER

NEWCOMB OIL COMPANY, LLC.  
951 WITHROW CT.  
BARDSTOWN, KENTUCKY 40004  
PH: (502)-348-3961

## CONSULTING ENGINEER:

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### PROJECT INFORMATION

APPLICABLE BUILDING CODES  
BUILDING CODE IBC 2015 / KBC 2018  
ACCESSIBILITY CODE ADA 2010 / ANSI 2009  
ENERGY CODE IECC 2012

USE AND OCCUPANCY: M - MERCANTILE

CONSTRUCTION TYPE: V-B

#### BUILDING INFORMATION

BUILDING: 5,000 s.f.  
TOTAL BUILDING SIZE: 5,000 s.f.  
FIRE SUPPRESSION: NONE

### OCCUPANCY ALLOWANCE

FUNCTION OF SPACE	ALLOWANCE	AREA	OCCUPANCY
MERCANTILE	60 GROSS	5,000	83
TOTAL OCCUPANCY ALLOWANCE:			83

### REVISIONS:



NO.	DATE	DESCRIPTION

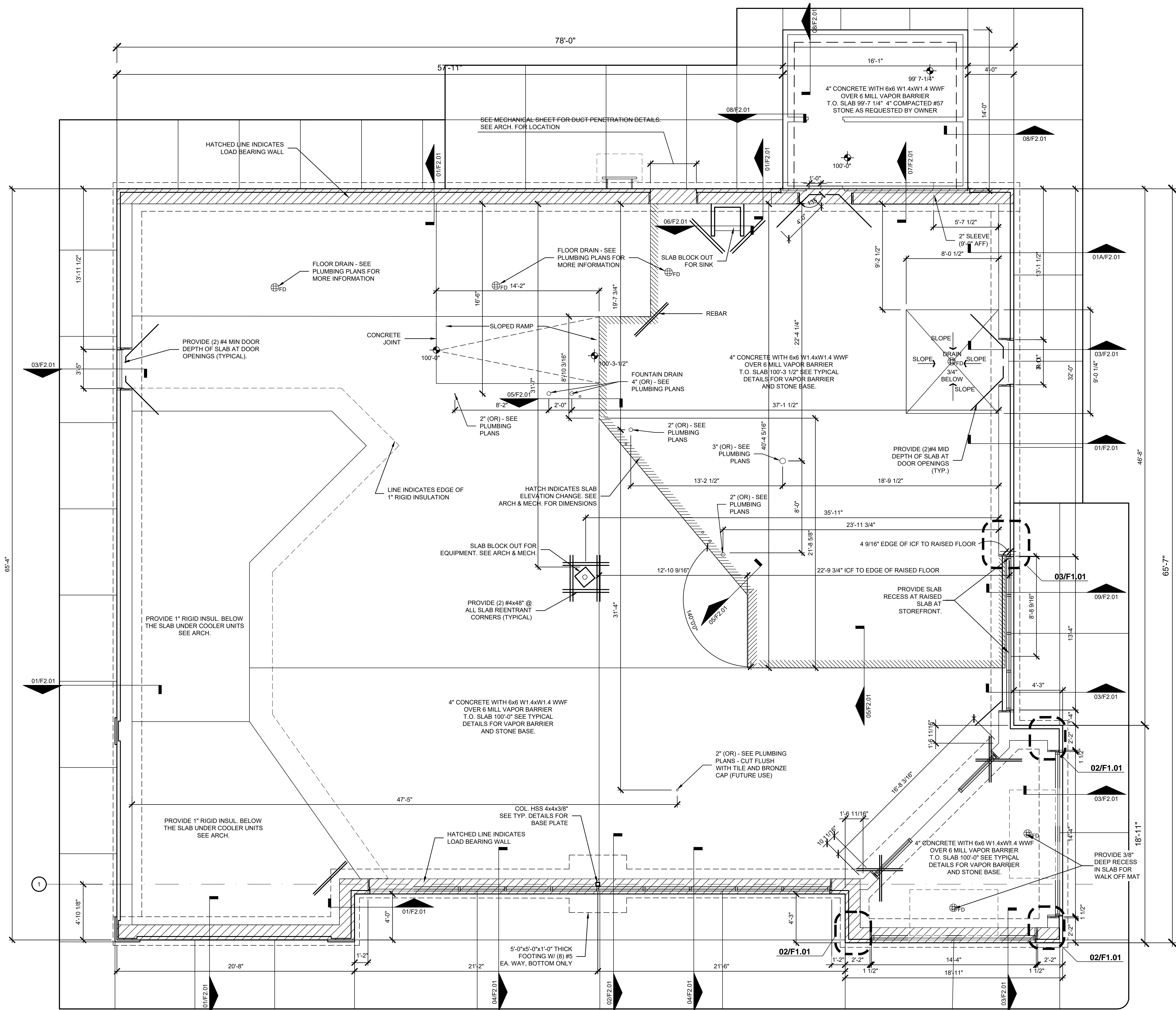
### Sheet List Table

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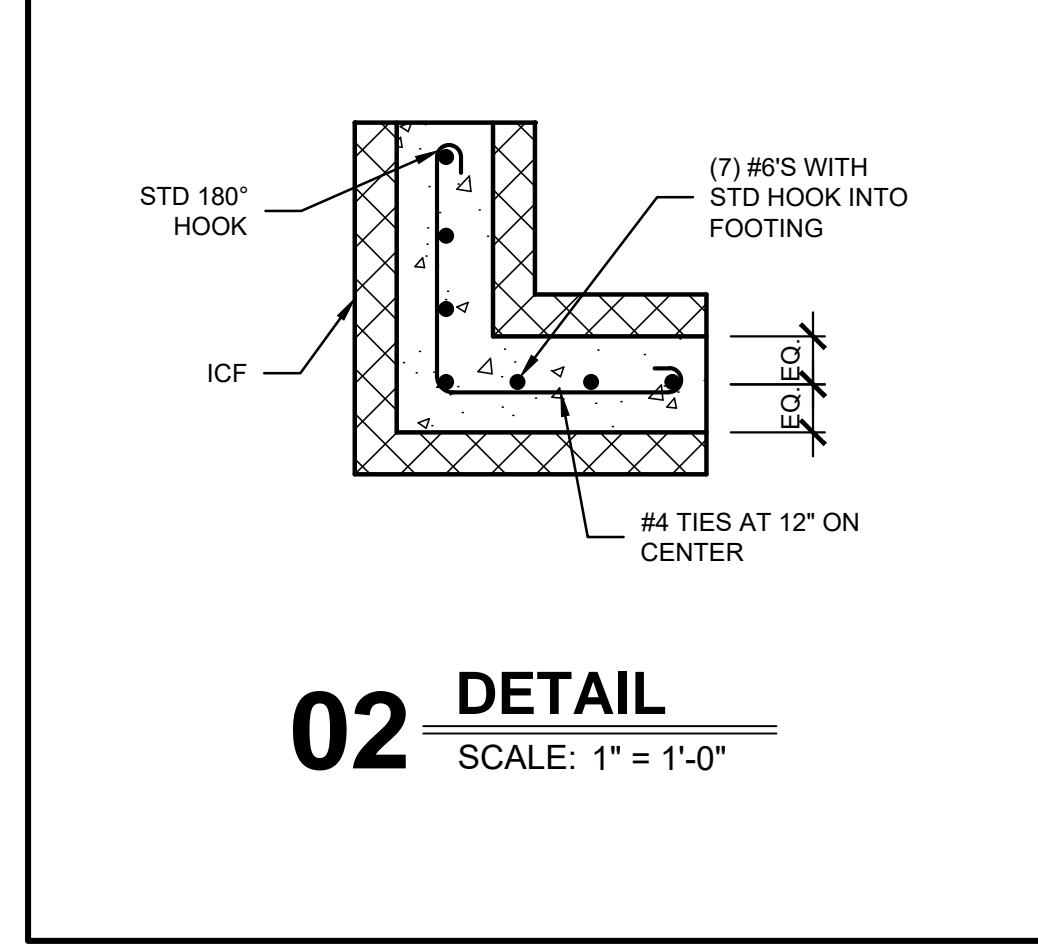
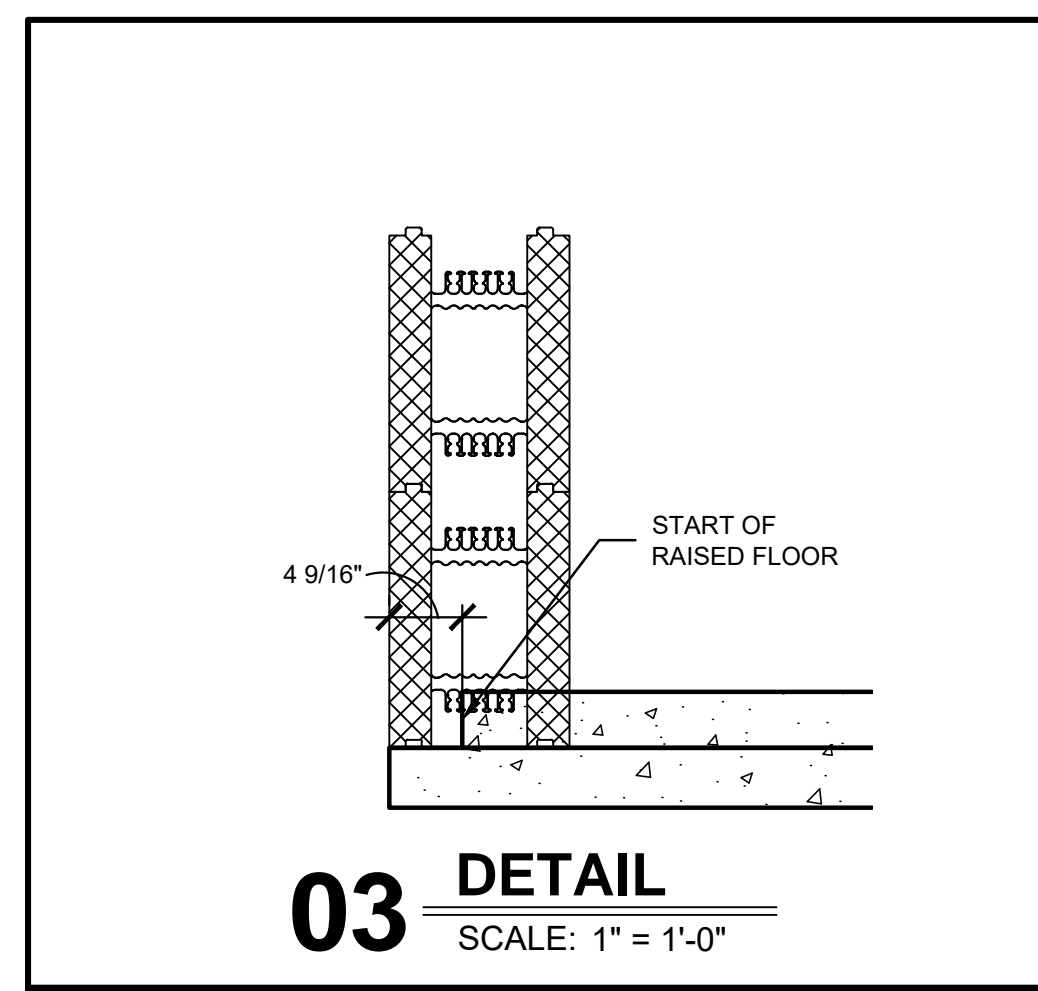
### Mechanical

M1.01	Mechanical Legends & Schedules
M2.01	Floor Plan - Mechanical
M3.01	Mecahanical Section Views & Details Plumbing
P1.01	Plumbing Legend & Details
P2.01	Floor Plan - Sanitary Waste & Vent
P2.02	Floor Plan - Water & Gas Electrical
E1.00	Electrical Legend & Details
E2.00	Electrical Lighting
E3.00	Electrical Power & Systems
E4.00	Electrical Riser Diagram
E5.00	Electrical Schedules

PROJECT: NEWCOMB OIL CO., LLC - FILE: F:1.01 Foundation Plan.dwg - DATE: Jun 28, 2022 12:08PM - BY: NICK MCCART



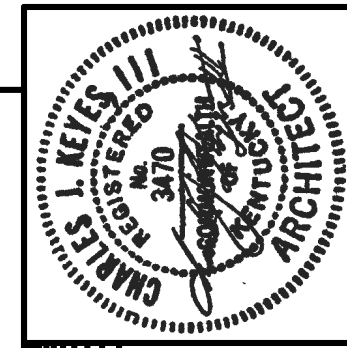
**01 FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"



**NOTE:** GENERAL CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL SUB TRADES AND REQUIREMENTS BY OWNER

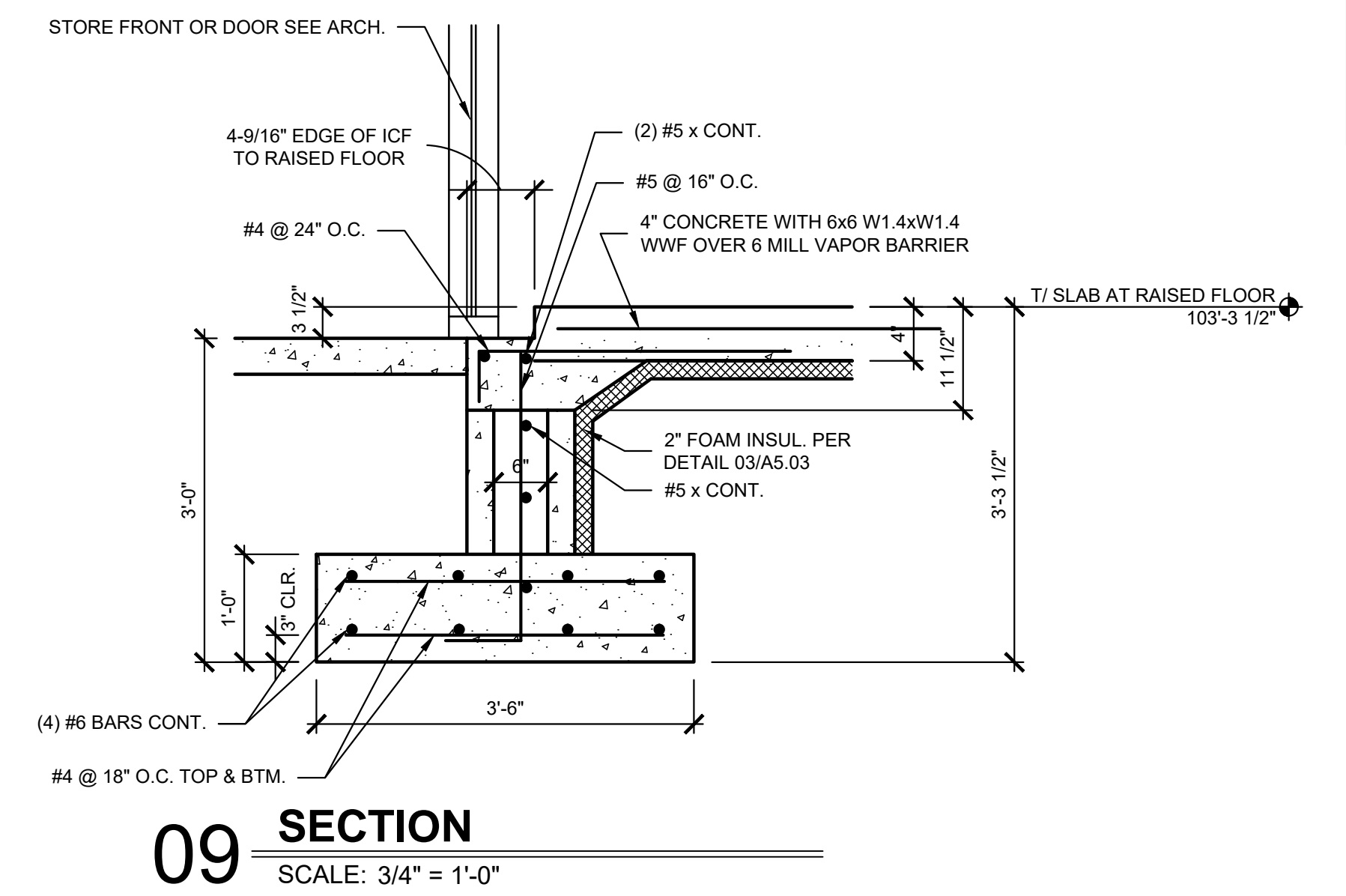
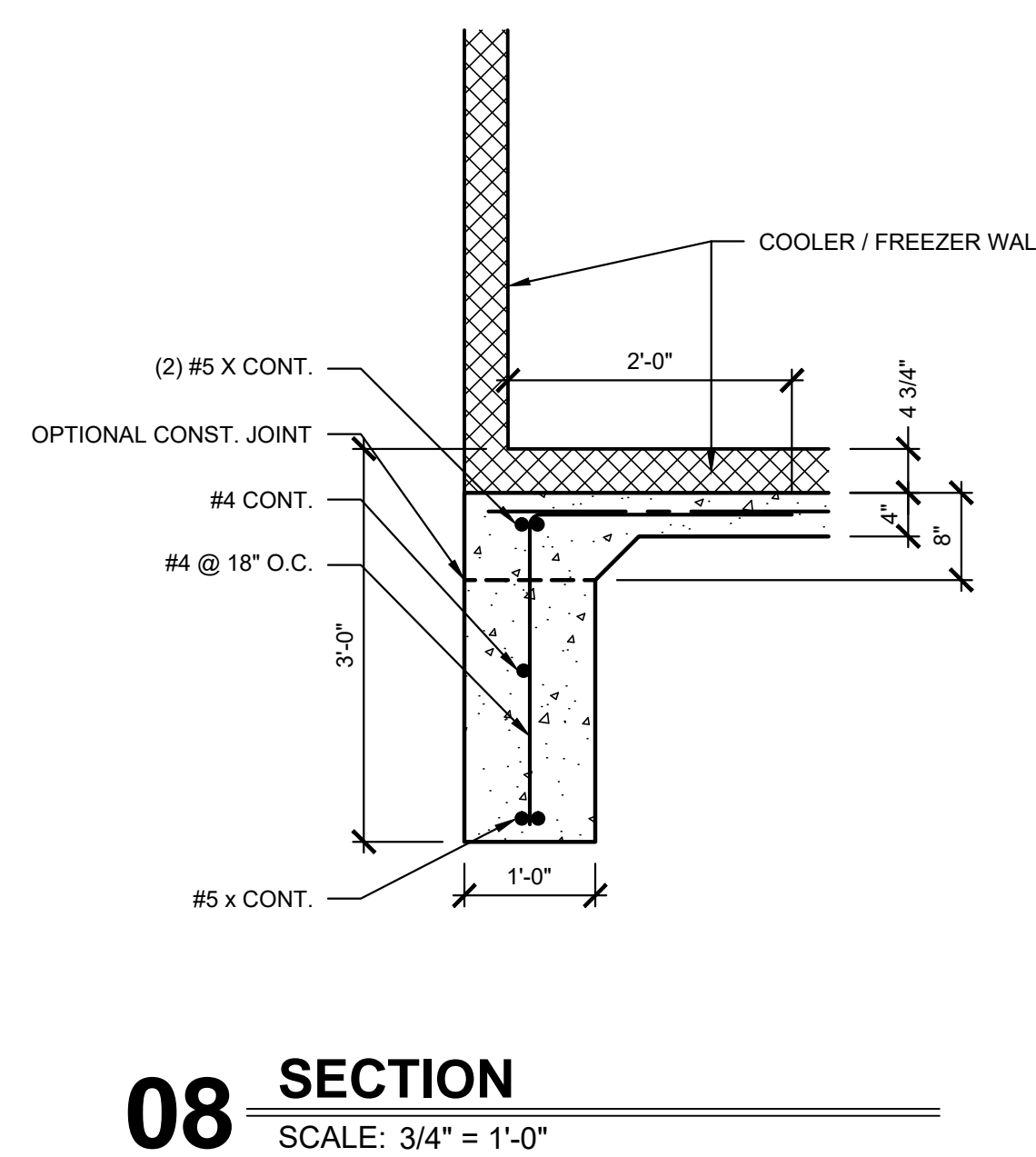
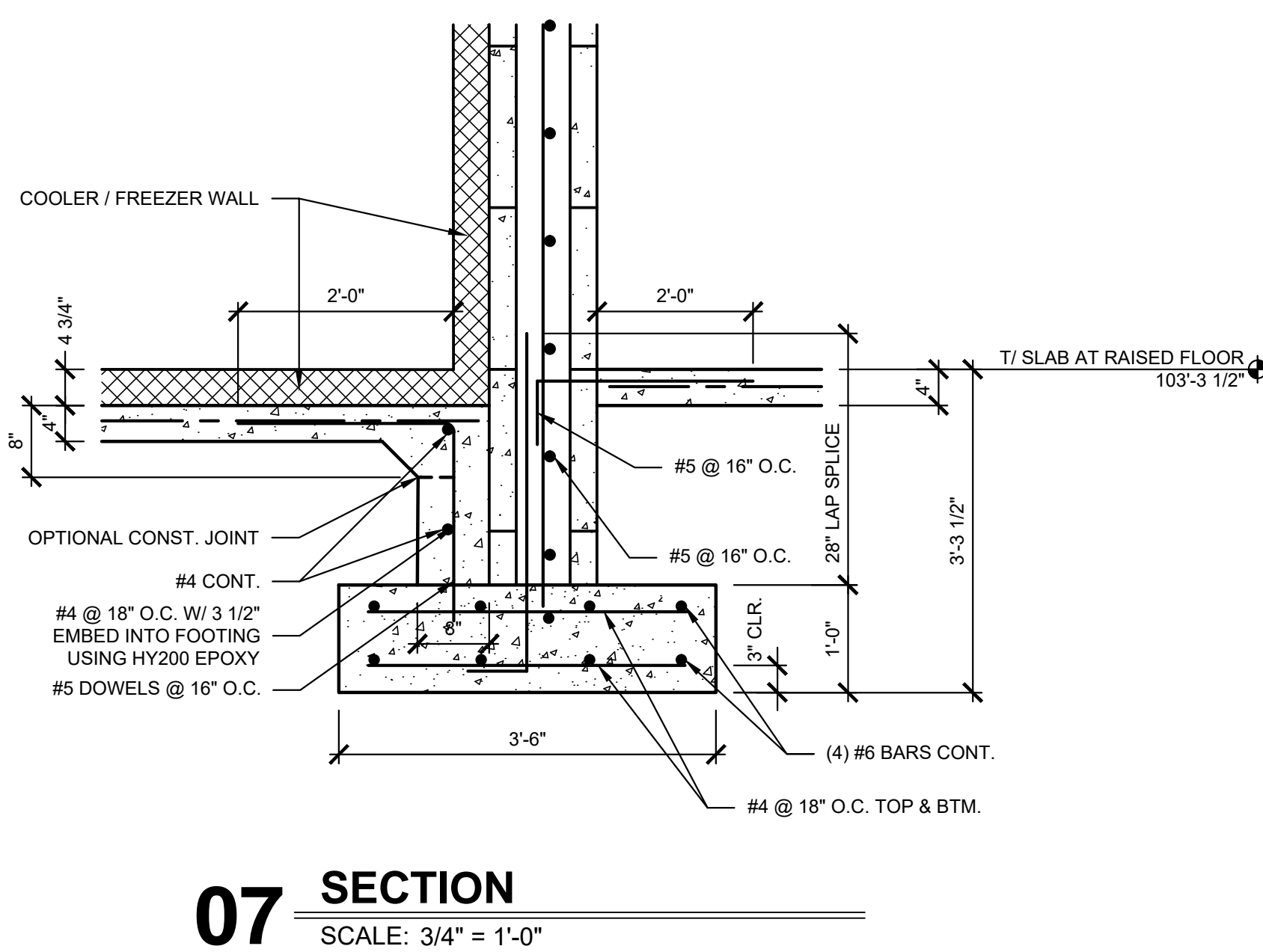
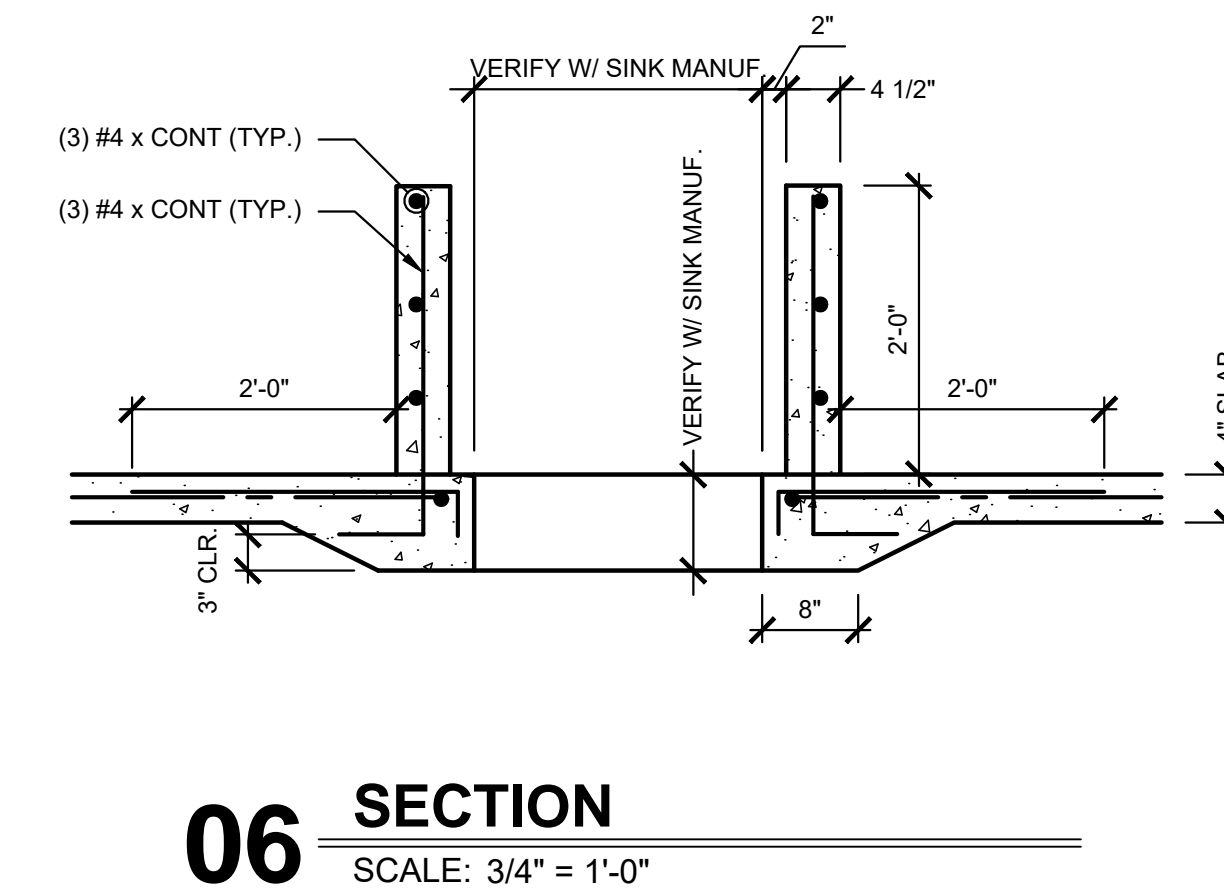
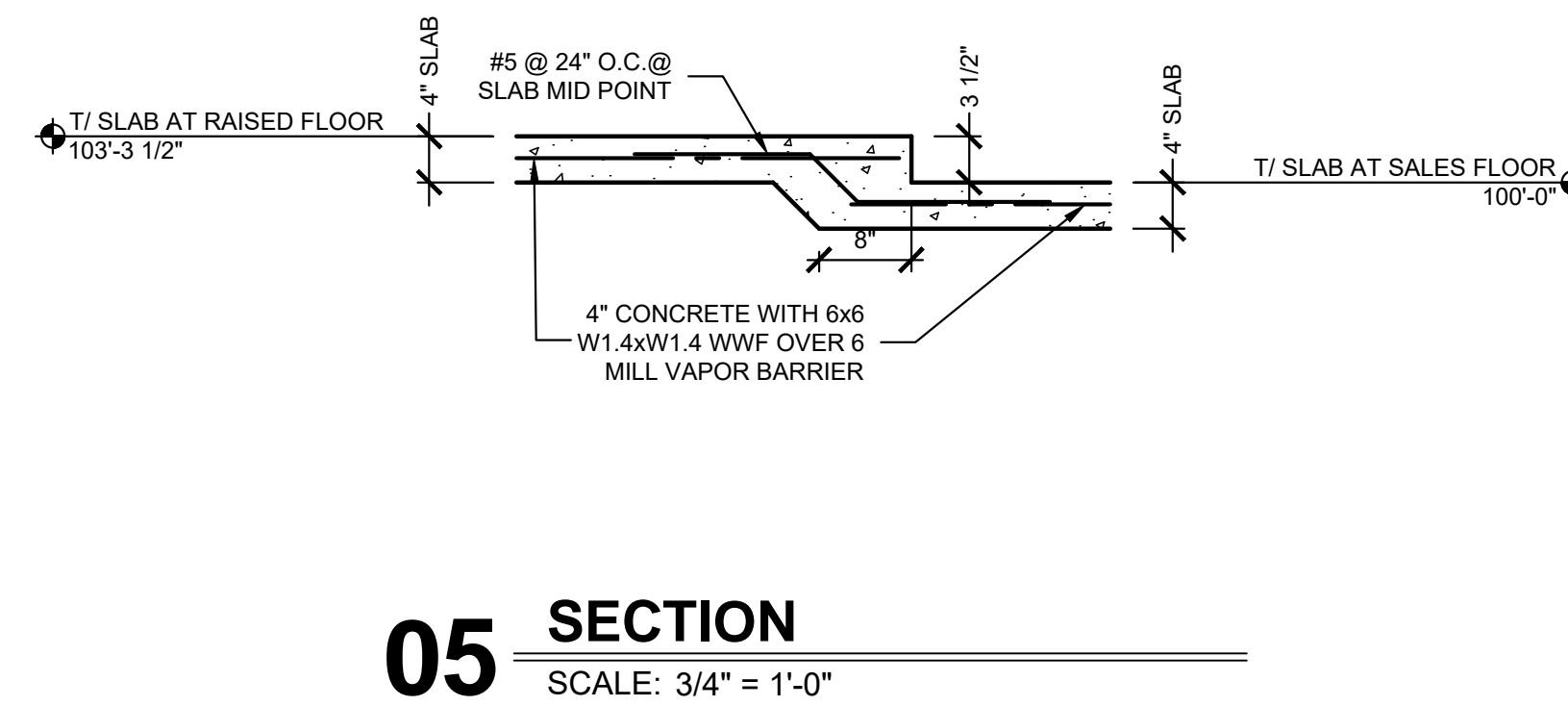
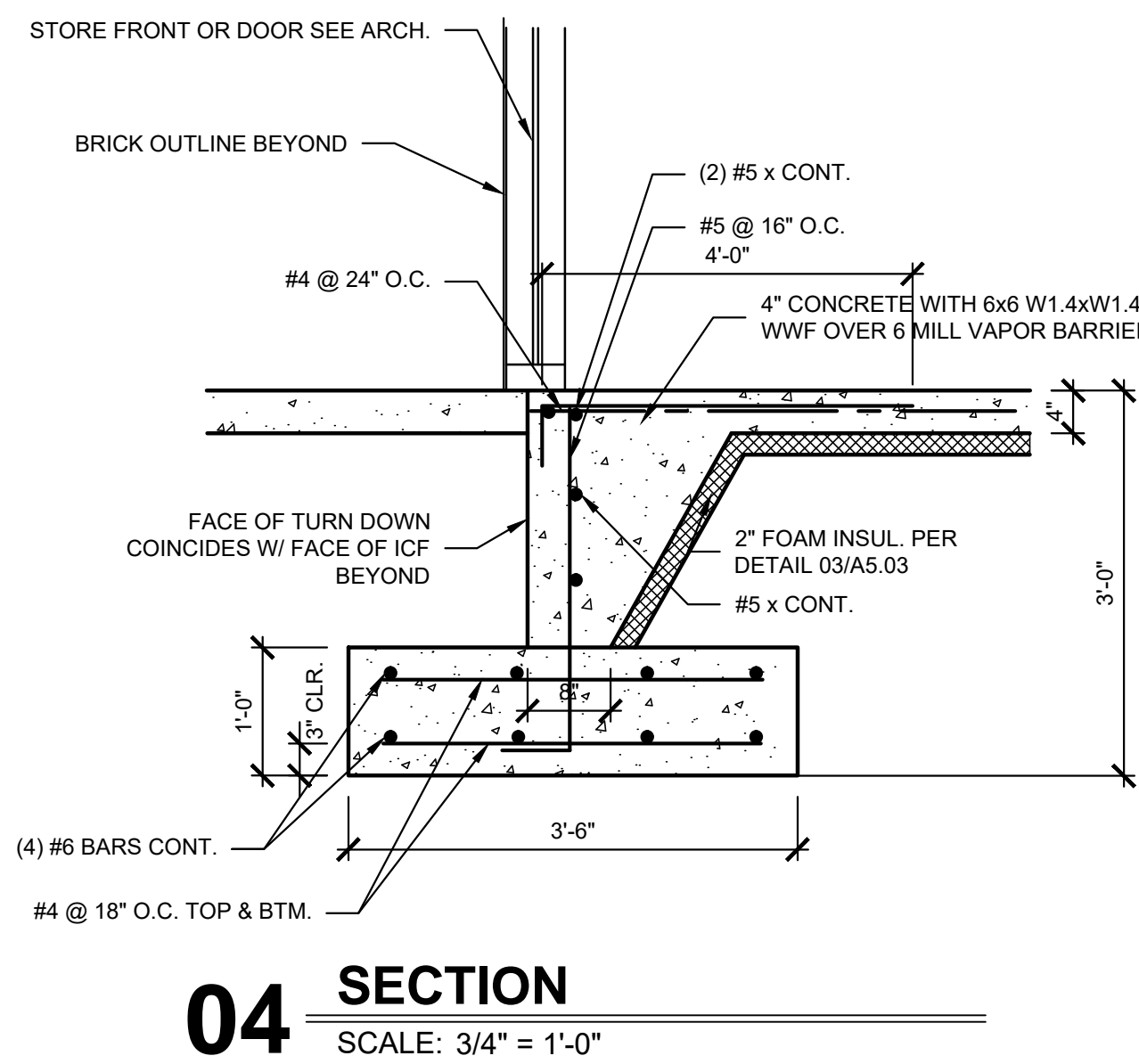
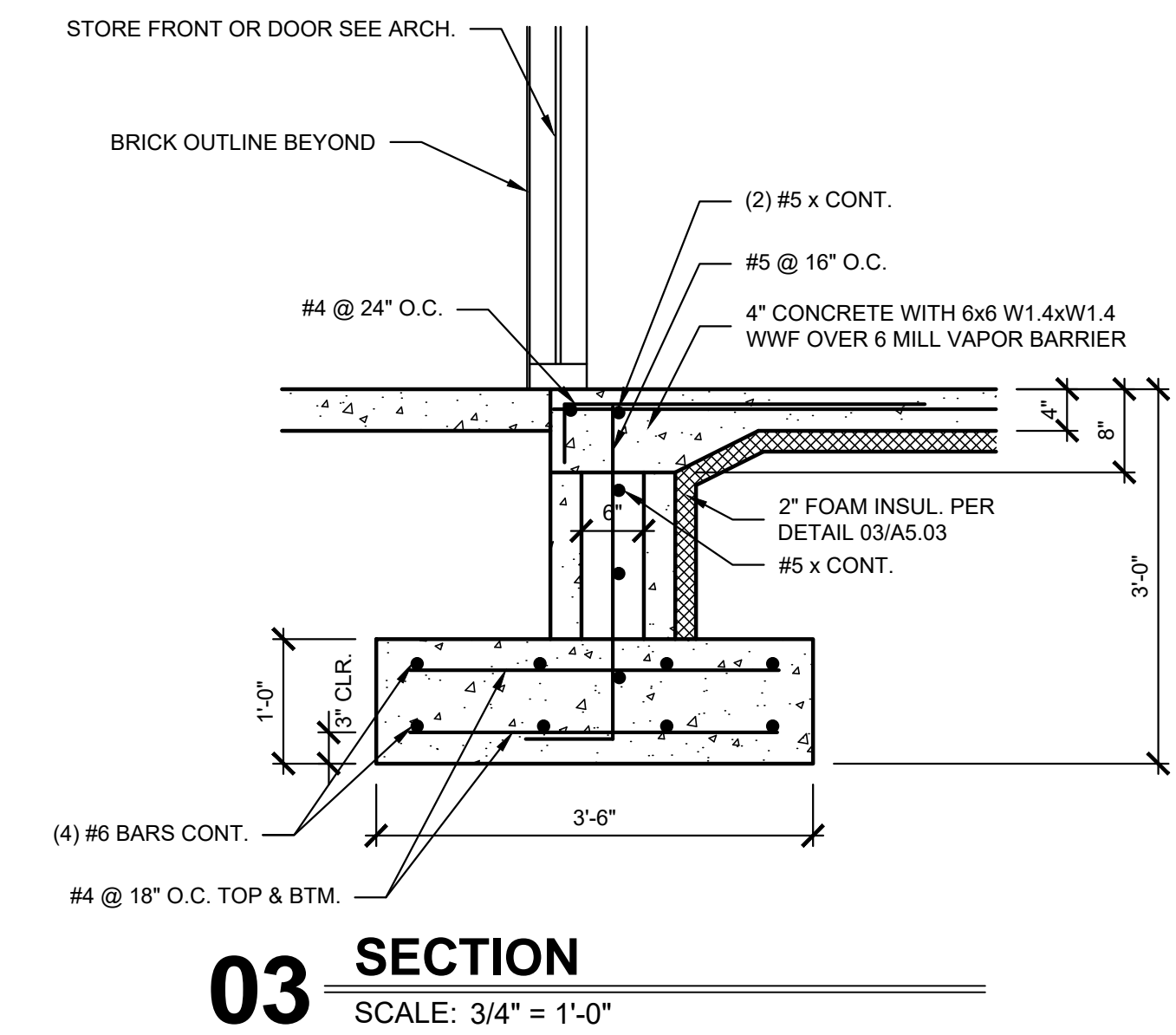
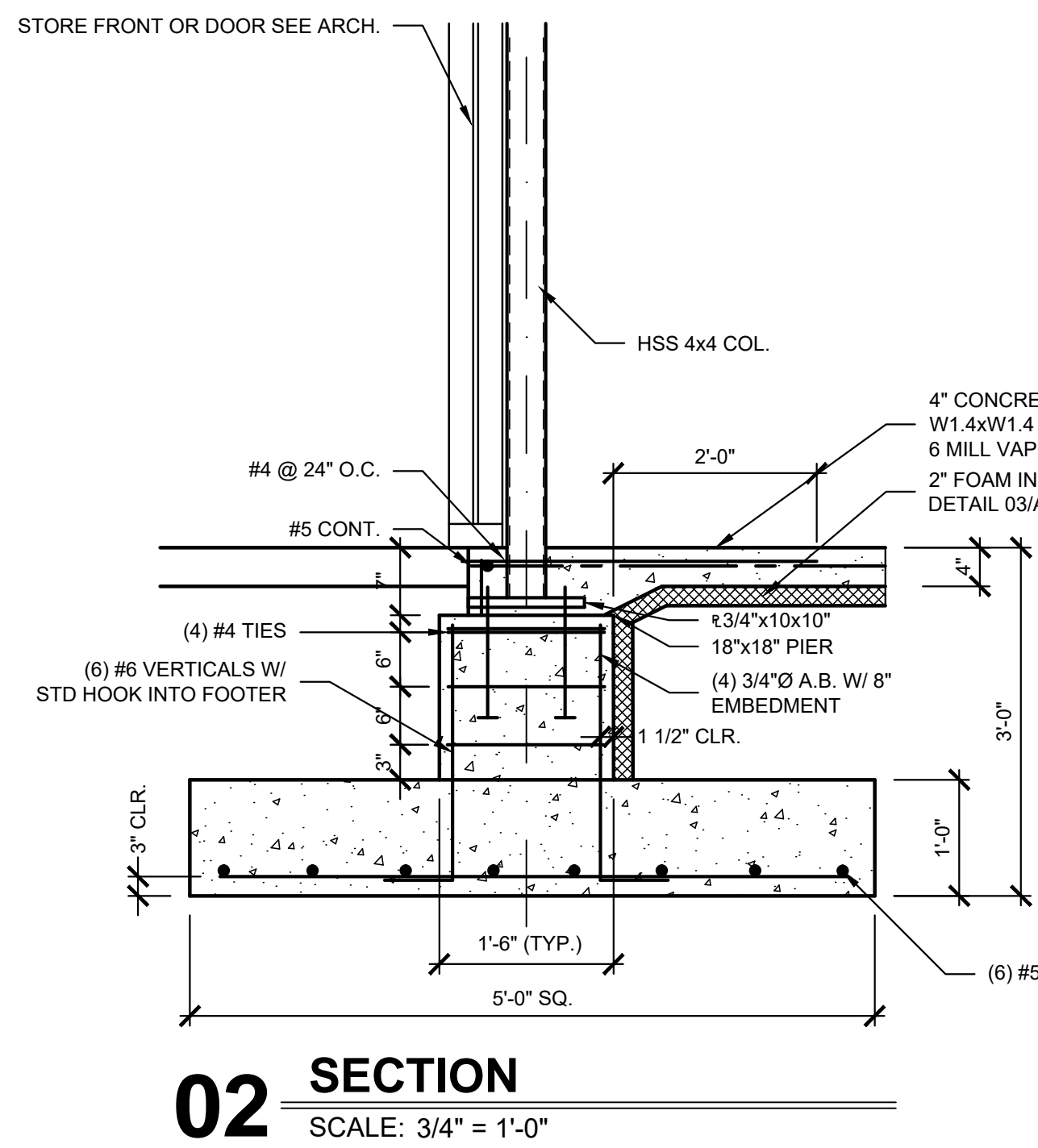
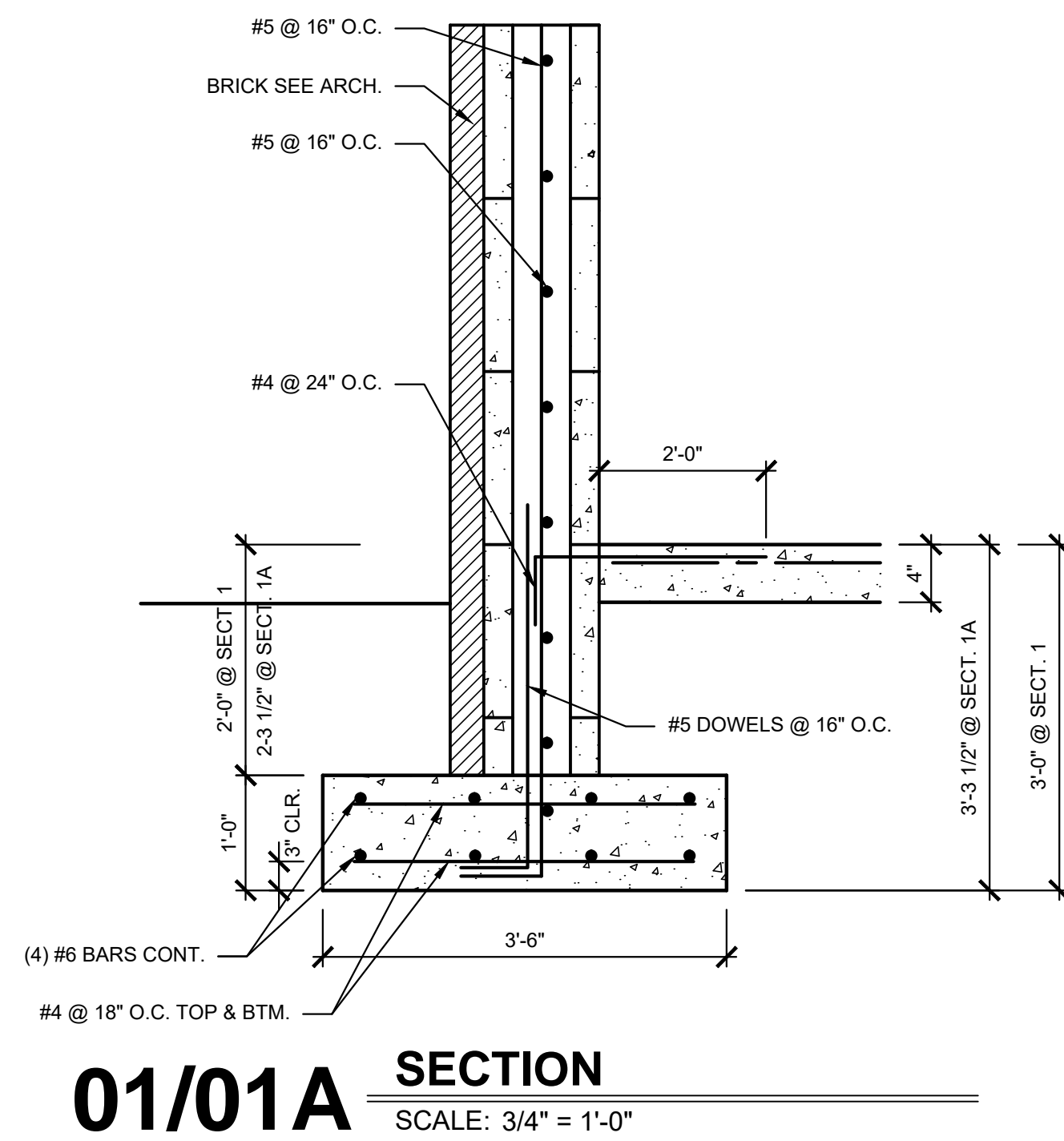
**NOTE:** ELECTRICAL, HVAC AND PLUMBING TO BE RELOCATED PER FEDERAL, STATE AND LOCAL CODES. GENERAL CONTRACTOR TO COORDINATE.

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GENERAL NOTES:

- BUILDING CODE, 2018 KENTUCKY BUILDING CODE (2015 IBC).
1. MINIMUM DESIGN LIVE LOADS:
MINIMUM ROOF LIVE LOAD: 20 PSF
SLAB ON GRADE: 100 PSF
2. SNOW LOADS:
GROUND SNOW LOAD: 15 PSF
FLAT ROOF SNOW LOAD: 15.5 PSF
EXPOSURE FACTOR: 1.0
THERMAL FACTOR: 1.0
IMPORTANCE FACTOR: 1.0
3. WIND LOADS:
BASIC WIND SPEED: 115 MPH RISK CAT II
WIND DIRECTIONALITY FACTOR: 0.85
EXPOSURE: C
TOPOGRAPHIC FACTOR INCLUDED: 1.0
INTERNAL PRESSURE COEFFICIENT: ±0.18
GUST EFFECT FACTOR: 0.85
COMPONENTS AND CLADDING LOAD:
ROOF: 60.6 PSF
WALLS: 48.4 PSF
4. SEISMIC:
KENTUCKY COUNTY: TRIGG COUNTY
SPECTRAL RESPONSE ACCELERATION
COEFFICIENT, SS.: 0.817 g
SPECTRAL RESPONSE ACCELERATION
COEFFICIENT, S1.: 0.282 g
SEISMIC RISK GROUP: IMPORTANCE FACTOR, IE.: 1.0
SITE CLASS: C
SPECTRAL RESPONSE COEFFICIENT, Sds: 0.582 g
SPECTRAL RESPONSE COEFFICIENT, Sd1: 0.222 g
ANALYSIS PROCEDURE: ELP
BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY REINFORCED CONCRETE SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT, R: 4
SEISMIC BASE SHEAR: 17.0 KIPS
5. SEISMIC BASE SHEAR COEFFICIENT, CS: 0.185

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DETAILS AND DIMENSIONS. ANY DISCREPANCY BETWEEN SUCH DETAILS AND DIMENSIONS AS MAY OCCUR SHALL BE REPORTED TO THE ARCHITECT FOR CLARIFICATION BEFORE WORK PROCEEDS.

- FOUNDATION DESIGN:
1. ALLOWABLE SOIL BEARING CAPACITY (PER SOILS REPORT):
COLUMN FOOTINGS: 1,500 PSF WALL FOOTINGS: 1,500 PSF
2. ALLOWABLE SOIL BEARING PRESSURES AND SEISMIC SOIL CLASSIFICATION NOTED ABOVE ARE ASSUMED AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION. FOOTINGS TO BEAR ON UNDISTURBED SOIL OR ON ENGINEERED FILL.
3. ASSUMED BEARING CAPACITY AS INDICATED BY OWNER IS 1,500 LBS. S.F., UNLESS OTHERWISE NOTE ON THE PLANS OR BY GEOTECHNICAL REPORTING. IF THIS BEARING CAPACITY IS NOT ENCOUNTERED AT THE DEPTH SHOWN ON DRAWINGS, THE SITE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR, ARCHITECT, ENGINEER, AND OTHER PARTIES WILL THEN ESTABLISH AN ADDITIONAL VOLUME OF EXCAVATION.
4. BUILDING SLAB AREAS, DRIVES, WALKS AND PARKING AREAS THAT REQUIRE UNDERCUTTING OR FILL ARE TO BE BACKFILLED WITH LEAN CLAY OR GRANULAR FILL, UNIFORMLY COMPACTED TO AT LEAST 95% STANDARD PROCTOR (ASTM D698). PERIODIC FIELD DENSITY TESTING TO BE PERFORMED DURING CONSTRUCTION IF REQUIRED AND PAID FOR BY THE OWNER.

- CONCRETE GENERAL:
1. ALL STRUCTURAL CONCRETE (INCLUDING SLABS ON GRADE, FOUNDATIONS, FOUNDATION WALLS, ICF WALLS, ETC.) SHALL BE NORMAL WEIGHT AND SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI.
2. MATERIAL PROPERTIES - REINFORCING AND CONNECTION STEEL:
Table with columns: Fy(ksi), ASTM
ALL BARS, U.N. 60,000 A615
WELDED WIRE REINFORCEMENT 65,000 A185
WELDING FOR STEEL REINF. BARS AWS D1.4
DEFORMED ANCHOR BARS 70,000 A496
\*PREHEAT PER AWS D1.4
3. LAP LENGTHS OF BAR SPLICES SHALL BE AS FOLLOWS:
#3 = 15", #4 = 20", #5 = 25", #6 = 30". LAP SPLICES WHICH HAVE DIFFERENT BAR SIZES SHALL BE THE LAP LENGTH OF THE LARGER BAR.
4. DETAILING, FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO APPLICABLE PROVISIONS OF ACI 315 AND ACI 318.
5. SLABS, FOOTINGS SHALL HAVE NO HORIZONTAL JOINTS. ANY STOP IN CONCRETE WORK MUST BE MADE NEAR CENTER OF SPAN, OR AS INDICATED ON THE DRAWINGS, WITH VERTICAL KEED BULKHEADS. ALL REINFORCEMENT SHALL CONTINUE THRU JOINTS.
6. BEFORE PLACING CONCRETE, THE CONTRACTOR SHALL NOTIFY ALL SUB-CONTRACTORS TO BE SURE ALL SLEEVES, CONDUIT, CHASES, EMBEDS, EQUIPMENT ANCHOR BOLTS, ETC., ARE PROPERLY INSTALLED.
7. ATTENTION IS CALLED TO THE FACT THAT ANY CONCRETE THAT WILL BE EXPOSED MUST HAVE SPECIAL CARE TAKEN TO PREVENT EXPOSURE OF THE TIE WIRE OR OTHER MATERIAL THAT MAY CAUSE STAINING. PROPER CONCRETE COVER ON ALL REINFORCING STEEL MUST BE MAINTAINED.
8. ANCHOR BOLTS FOR ALL COLUMNS AND EQUIPMENT SHALL BE SET BY TEMPLATE AND SHALL BE WIRED IN PLACE.

- CONCRETE PRODUCTS:
1. PORTLAND CEMENT TYPE 1, ASTM C150.
2. FLYASH ASTM C618, TYPE "C" OR TYPE "F", IF USED, QUANTITY SHALL NOT BE LESS THAN 15% NOR MORE THAN 25% BY WEIGHT OF TOTAL CEMENTITIOUS MATERIALS.
3. AIR ENTRAPMENT ADMIXTURE, ASTM C260.
4. WATER REDUCING ADMIXTURE, ASTM C494, TYPE "A".
5. HIGH RANGE WATER REDUCING ADMIXTURE, ASTM C494, TYPE "F" OR TYPE "G".
6. WATER REDUCING NON-CORROSIVE, NON-CHLORIDE ACCELERATOR ADMIXTURE, ASTM C494 TYPE "C" OR TYPE "E".
7. WATER REDUCING, RETARDING ADMIXTURE, ASTM C494 TYPE "D".
8. PROHIBITED ADMIXTURES ARE ANY THAT CONTAIN CALCIUM CHLORIDE, THIOCYANATES OR MORE THAN 0.05% CHLORIDE IONS.

- CONCRETE MIX DESIGNS:
1. MAXIMUM W/C RATIO - 0.45
2. MINIMUM CEMENTITIOUS MATERIALS CONTENT, LB/CY BASED ON MAXIMUM AGGREGATE SIZE:
Table with columns: Size, Content
1.5 INCHES 470 LB/CY
1.0 520
0.75 540
0.375 610
3. AIR ENTRAPMENT 5% ± 1% FOR EXTERIOR CONCRETE EXPOSED TO FREEZING.
4. SLUMP AT POINT OF DISCHARGE: 4" ± 1" (7" MAX SLUMP WITH WATER REDUCING ADMIXTURE).
5. DO NOT ADD WATER TO CONCRETE DURING DELIVERY. WATER MAY BE ADDED ON SITE ONLY IF A TICKET WITH THE WATER UNDER RUN NOTED IS PROVIDED. WATER ADDED MUST NOT EXCEED THE AMOUNT OF WATER NOTED ON THE TICKET. CONCRETE MUST STILL MEET SPECIFICATIONS AFTER THE WATER IS ADDED. CONCRETE ADMIXTURES OF ANY KIND SHALL NOT BE ADDED ON SITE OR DURING DELIVERY.
6. CLEAR COVER FOR STEEL REINFORCEMENT
6.1. IN EXTERIOR FACE OF CONCRETE = 3"
6.2. IN INTERIOR FACE OF CONCRETE = 1.5"

- CONCRETE PLACEMENT:
1. BEFORE PLACING CONCRETE, INSPECT AND COMPLETE FORMWORK INSTALLATION. VERIFY REINFORCING STEEL PLACEMENT, SIZES, SPLICES AND EMBEDS TO BE CAST IN.
2. COMPLY WITH ACI 304R "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE".
3. DEPOSIT AND CONSOLIDATE CONCRETE IN FORMS IN HORIZONTAL LAYERS NOT DEEPER THAN 18" AND IN A MANNER TO PREVENT INCLINED CONSTRUCTION JOINTS.
4. DEPOSIT AND CONSOLIDATE SLABS IN A CONTINUOUS OPERATION WITHIN LIMITS OF CONSTRUCTION JOINTS UNTIL PLACEMENT OF PANEL OR SECTION IS COMPLETED.
5. PROTECT CONCRETE FROM PHYSICAL DAMAGE OR REDUCED STRENGTH WHICH COULD BE CAUSED BY FROST, FREEZING ACTIONS OR LOW TEMPERATURES IN COMPLIANCE ACI 306R.
6. WHEN HOT WEATHER CONDITIONS EXIST THAT WOULD IMPAIR QUALITY AND STRENGTH OF CONCRETE, PLACE CONCRETE IN COMPLIANCE WITH ACI 305R. CONCRETE AT TIME OF PLACEMENT SHALL BE LESS THAN 90 DEF °F AND SHALL BE MAINTAINED SO THAT THE TEMPERATURE DOES NOT EXCEED 90 DEF °F.
7. CONSOLIDATE CONCRETE BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING OR RODDING OR TAMPING. DO NOT USE VIBRATORS INSIDE FORMS. DO NOT INSERT VIBRATORS INTO LOWER LAYERS OF CONCRETE THAT HAVE BEGUN TO SET.

- FINISH OF HORIZONTAL CONCRETE SURFACES:
1. EXTERIOR SLABS UNDER CANOPY SHALL RECEIVE A FINE BROOM FINISH. APPLY A TROWEL FINISH, STOPPING AFTER A SECOND TROWELING, AND WHEN CONCRETE IS STILL PLASTIC, SLIGHTLY SCARIFY SURFACE WITH FINE BROOM.
2. INTERIOR SLABS SHALL RECEIVE A TROWEL FINISH, APPLY HARD TROWEL FINISH TO SLAB ON GRADE.
3. WATER SHALL NOT BE APPLIED TO HORIZONTAL SURFACES TO RETEMPER PRIOR TO FINISHING.
4. DRY CEMENT SHALL NOT BE ADDED TO HORIZONTAL SURFACES TO STIFFEN SURFACE PRIOR TO FINISH.
5. CONTROL JOINTS FOR SIDEWALKS HAL BE PROVIDED BY SAW CUTTING TO A MINIMUM DEPTH OF 1/4" x SLAB THICKNESS. ELIMINATE TOOL MARKS ON CONCRETE SURFACES.

- CONCRETE CURING AND PROTECTION:
1. PROTECT CONCRETE FROM PREMATURE DRYING AND EXCESSIVE COLD OR HOT TEMPERATURES.
2. START INITIAL CURING IMMEDIATELY AFTER FINAL FINISHING IS COMPLETE. CURE CONCRETE WITH KURE N HARDEN BY SONNERBORNE.

- QUALITY CONTROL TESTING OF CONCRETE DURING CONSTRUCTION:
1. THE OWNER MAY RETAIN A TESTING LABORATORY TO PERFORM TESTS AND TO SUBMIT TEST REPORTS. THE CONTRACTOR SHALL ALLOW TESTING AGENCY ACCESS TO ALL MATERIALS AND SHALL ASSIST IN OBTAINING SAMPLES.
2. TESTING AGENCY HAS THE AUTHORITY TO REJECT A LOAD OF CONCRETE THAT DOES NOT MEET SPECIFICATIONS. REJECTED CONCRETE SHALL BE REPLACED AT NO COST TO THE OWNER.

- STRUCTURAL STEEL:
1. STRUCTURAL STEEL HAS BEEN DESIGNED AND SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE STRUCTURAL STEEL BUILDINGS 15TH EDITION.
2. ALL MATERIALS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS: LATEST EDITIONS OF THE 2018 KENTUCKY BUILDING CODE SHALL BE APPLY:
STRUCTURAL WIDE FLANGE SHAPES
INCLUDING COLUMNS, BEAMS, ETC. ASTM A992
STRUCTURAL ANGLES, CHANNELS,
PLATE & MISC. ITEMS ASTM A36
ANCHOR BOLTS A36 OR A307
STRUCTURAL TUBING & PIPE ASTM A500, GRADE "B"
WELDING ELECTRODES E70XX
3. ALL BOLTED CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 BOLTS" USING 3/4" INCH DIAMETER BOLTS. WASHERS SHALL BE LOAD INDICATOR TYPE OR BOLTS SHALL BE TENSION CONTROL TYPE.
4. ALL WELDING SHALL BE IN ACCORDANCE WITH "THE STRUCTURAL WELDING CODE" AWS D1.1.
5. ALL CONNECTIONS SHALL BE DESIGNED FOR 1/2" OF THE MAXIMUM UNIFORM LOAD FOR THE SIZE, SPAN, AND GRADE OF STEEL LISTED IN TABLE 3-6 "MAXIMUM TOTAL UNIFORM LOAD" FROM THE AISC MANUAL (15TH EDITION) UNLESS OTHERWISE NOTED.
6. ALL CONDITIONS AND DIMENSIONS PRIOR TO FABRICATION AND ERECTION OF STEEL SHALL BE VERIFIED. ANY AMBIGUITY FOUND SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF NEWCOMB OIL COMPANY.
7. GROUT SHALL BE PRE-MIXED, NON-METALLIC, NON-CORROSIVE, NON-STAINING PRODUCT CONTAINING SELECTED SILICA SANDS, PORTLAND CEMENT, SHRINKAGE COMPENSATING AGENTS, PLASTICIZING AND WATER REDUCING AGENTS, COMPLY WITH CE-CRD-C621.
8. BEFORE SHIPPING FROM THE STEEL SHOP ALL STEEL SHALL BE CLEANED. REMOVE HEAVY RUST AND MILL SCALE, SPATTER, SLAG OR FLUX DEPOSITS, COMPLY WITH STEEL FABRICATORS SP-3 "POWER TOOL CLEANING". REMOVE OIL, GREASE AND SIMILAR CONTAMINATES; COMPLY WITH SSPC SP-1 "SOLVENT CLEANING".
9. IMMEDIATELY AFTER CLEANING APPLY MANUFACTURER'S OR FABRICATOR'S STANDARD, FAST CURING, LEAD FREE, UNIVERSAL MODIFIED ALKYL PRIMER SELECTED FOR GOOD RESISTANCE TO NORMAL ATMOSPHERIC CORROSION, FOR COMPATIBILITY WITH ALKYL FINISH PAINT SYSTEMS, AND FOR THE CAPABILITY OF PROVIDING A SOUND FOUNDATION FOR FIELD APPLIED TOPCOATS DESPITE PROLONGED EXPOSURE. APPLICATION SHALL BE NOT LESS THAN 1.5 MILS. DRY FILM THICKNESS.

- STEEL JOISTS:
1. ALL STEEL JOISTS, JOIST GIRDERS, REQUIRED ACCESSORIES SHALL BE DESIGNED, DETAILED AND FABRICATED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS, ACCORDING TO THE STEEL JOIST INSTITUTE". CURRENT EDITIONS SHALL APPLY.
2. PROVIDE JOISTS FABRICATED IN COMPLIANCE WITH THE STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR: OPEN WEB STEEL JOISTS (K-SERIES) AND LONGSPAN STEEL JOISTS (LH SERIES).
3. EXTENT OF WORK IS INDICATED ON THE PLANS INCLUDING BASIC LAYOUT AND TYPE OF JOISTS REQUIRED. UNLESS OTHERWISE INDICATED, THE FOLLOWING ITEMS ARE INCLUDED: STEEL JOISTS, JOIST EXTENDED ENDS, CEILING EXTRUSIONS, EXTENDED BOTTOM CHORES USED AS STRUTS, BRIDGING AND BRIDGING ANCHOR, JOIST BOTTOM CHORD BRACING, JOIST WALL AND BEAM ANCHORS, HEADERS, LOOSE BEARING PLATES AND ANCHOR BOLTS FOR PLACEMENT.;
4. JOISTS SHALL BE DESIGNED BY JOIST MANUFACTURER TO INSURE THAT CHORD MEMBERS ARE SUFFICIENT TO WITHSTAND FORCES INDICATED ON THE DRAWINGS. ALL JOISTS SHALL BE REVIEWED AND SEALED BY A LICENSED ENGINEER REGISTERED IN THE STATE OF TENNESSEE. JOISTS MANUFACTURER SHALL DESIGN CONNECTIONS ON SHOP DRAWINGS. CONNECTION DESIGN SHALL BE COORDINATED WITH THE STRUCTURAL STEEL FABRICATOR. ALL WELDS OR BOLTS REQUIRED SHALL BE CLEARLY INDICATED.
5. DESIGN AND FABRICATE STEEL JOISTS IN ACCORDANCE WITH SJI SPECIFICATIONS, INCLUDING HEADERS AND OTHER SUPPORT FRAMING. VERIFY DRAWING DIMENSIONS AND FIELD CONDITIONS PRIOR TO FABRICATION.
6. PROVIDE HORIZONTAL OR DIAGONAL TYPE BRIDGING FOR JOISTS, COMPLYING WITH SII "SPECIFICATIONS". PROVIDE BRIDGING ANCHORS FOR ENDS OF BRIDGING LINES TERMINATING AT WALLS OR BEAMS.
7. PROVIDE END ANCHORAGES TO SECURE JOISTS TO ADJACENT CONSTRUCTION, COMPLYING WITH SII "SPECIFICATIONS", UNLESS OTHERWISE INDICATED.
8. CAMBER JOISTS TO ALLOW FOR DEAD-LOAD DEFLECTION AS PROVIDED IN THE SJI "STANDARD SPECIFICATIONS".
9. REMOVE LOOSE SCALE, HEAVY RUST, AND OTHER FOREIGN MATERIALS FROM THE FABRICATED JOISTS AND ACCESSORIES BEFORE APPLICATION OF SHOP PAINT. APPLY ONE COAT SHOP COAT OF PRIMER TO STEEL JOISTS AND ACCESSORIES, BY SPRAY. OR OTHER METHOD WHICH COMPLIES WITH STEEL STRUCTURES PAINTING COUNCIL SPECIFICATION, SSPC NO. 15.

- STEEL DECKING:
1. COMPLY WITH PROVISIONS OF THE FOLLOWING CODES AND STANDARDS, EXCEPT AS OTHERWISE INDICATED OR SPECIFIED:
A. ANSI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
B. AWS "STEEL WELDING CODE".
C. SDI "DESIGN MANUAL FOR FLOOR AND ROOF DECKS".
2. PROTECT DECKING FROM CORROSION (WHITE RUST), DEFORMATION AND OTHER DAMAGE DURING DELIVERY, STORAGE AND HANDLING. STORE DECKING ON WOOD SLEEPERS WITH SLOPE FOR POSITIVE DRAINAGE. DECKING SHALL BE FREE OF CORROSION (WHITE RUST) PRIOR TO INSTALLATION.
3. BASIC STEEL SHALL BE FLAT ROLLED, GALVANIZED SHEETS OF STRUCTURAL QUALITY, MEETING THE REQUIREMENTS OF ASTM A653. GALVANIZING SHALL MEET ASTM A924, G90 COATING. STEEL BLOCK SUPPLIER TO PROVIDE GALVANIZED DECK WHICH IS SHOP AND FIELD PAINTABLE.
4. ROOF DECKING SHALL BE A MINIMUM OF 20 GAUGE METAL DECK, TYPE "B" WIDE RIB, WITH A FABRICATED DEPTH OF 1-1/2" INCHES. FORM DECK UNITS IN LENGTHS TO SPAN 3 OR MORE SUPPORTS, WITH FLUSH, TELESCOPED OR NESTED 2" LAPS AT ENDS AND SIDE LAPS, UNLESS OTHERWISE INDICATED.
5. FABRICATE METAL DECKING IN ACCORDANCE WITH SDI DESIGN MANUAL TO ACCOMMODATE MAXIMUM WORKING STRESS OF 0.6FY AND MAXIMUM SPAN DEFLECTION OF L/240. FOR ROOF DECKING, MAXIMUM FIBER STRESS SHALL NOT EXCEED 20,000 PSI UNDER A TOTAL DEAD AND LIVE LOAD OF 50PSF AND DEFLECTION SHALL NOT EXCEED L/360 OF THE SPAN UNDER A LIVE LOAD OF 25 PSF. FOR FLOORING DECKING, MAXIMUM FIBER STRESS SHALL NOT EXCEED 0.6FY UNDER A TOTAL DEAD AND LIVE LOAD OF 150 PSF AND DEFLECTION SHALL NOT EXCEED L/360 OF THE SPAN UNDER LIVE LOAD OF 100 PSF.
6. ERECT AND ATTACH METAL DECKING IN ACCORDANCE WITH SDI DESIGN MANUAL FOR FLOOR AND ROOF DECK, AS WELL AS WITH MANUFACTURER'S RECOMMENDATIONS AND FINAL SHOP DRAWINGS. PROVIDE WELDING IN ACCORDANCE WITH SDI SPECIFICATIONS AND AWS D1.3.
7. STEEL ROOF DECK UNITS SHALL BE ANCHORED TO SUPPORTING STRUCTURAL STEEL MEMBERS TO PROVIDE LATERAL STABILITY TO THE TOP FLANGE OF THE SUPPORTING STRUCTURAL MEMBERS AND TO RESIST UPLIFT WIND FORCES INDICATED ON THE PLANS. THE DEAD LOAD OF THE ROOF DECK CONSTRUCTION PLUS THE DEAD LOAD OF THE ROOFING MATERIAL PLUS RIGID INSULATION MAY BE DEDUCTED FROM THE SPECIFIED UPLIFT FORCES.
8. INSTALL 6" INCH WIDE 18ga SHEET STEEL COVER PLATES WHERE DECK CHANGES DIRECTION. SCREW IN PLACE 12" INCHES ON CENTER MAXIMUM.
9. AFTER DECKING INSTALLATION, WIRE BRUSH, CLEAN AND PAINT SCARRED AREAS, WELDS AND RUST SPOTS ON TOP AND BOTTOM SURFACES OF DECKING UNITS AND SUPPORTING STEEL MEMBERS. TOUCH UP GALVANIZED SURFACES WITH GALVANIZING REPAIR PAINT APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

PROJECT NO: 22-4336
DRAWN BY: KP/NM/
DATE: 06-29-2022



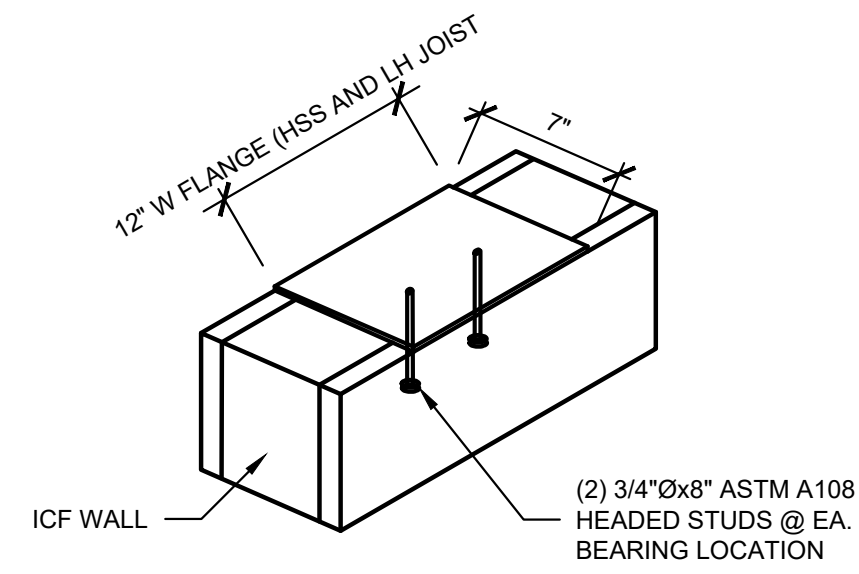
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FIVESTAR STORE
NEWCOMB OIL CO., LLC
5 JOLLY WAY
CADIZ, KY 42211

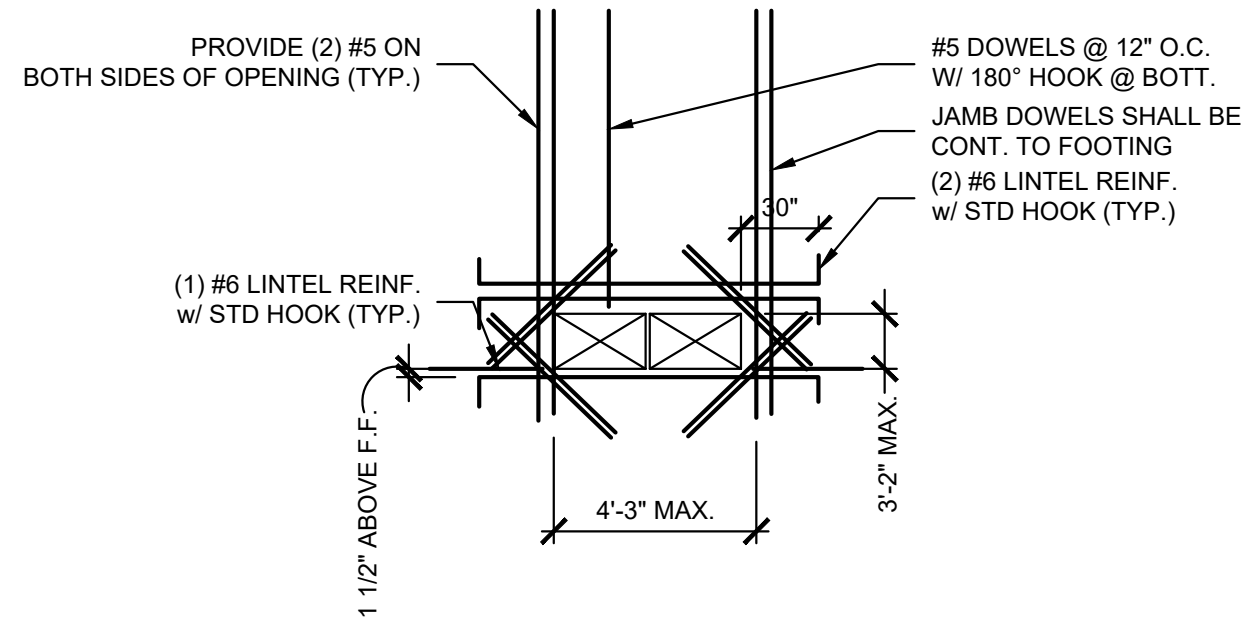
PROJECT: NEWCOMB OIL CO., LLC - FILE: S1.01 General Notes.dwg - DATE: Jun 28, 2022 12:08PM - BY: NICK MCCART

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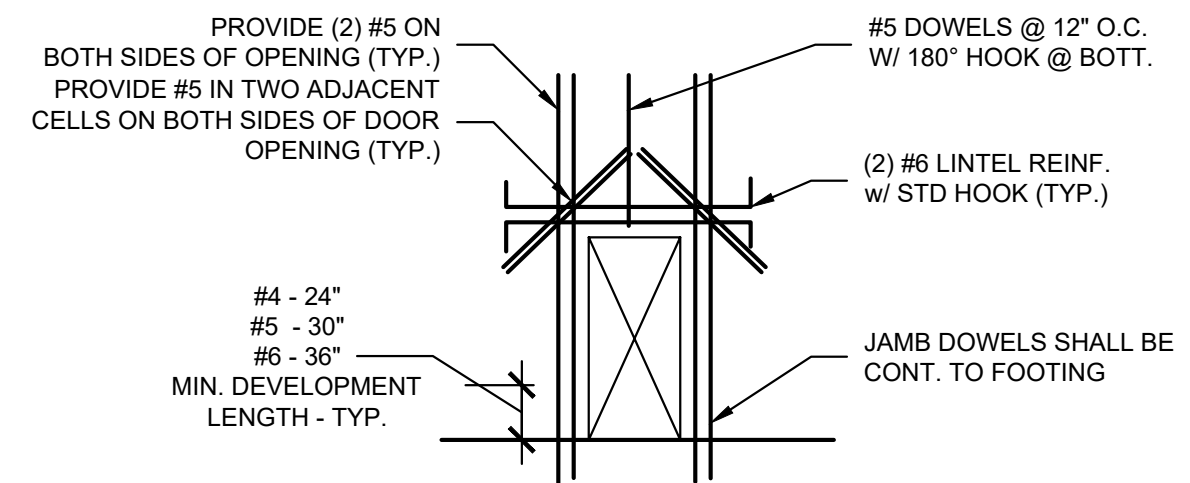
GENERAL NOTES
\$1.01



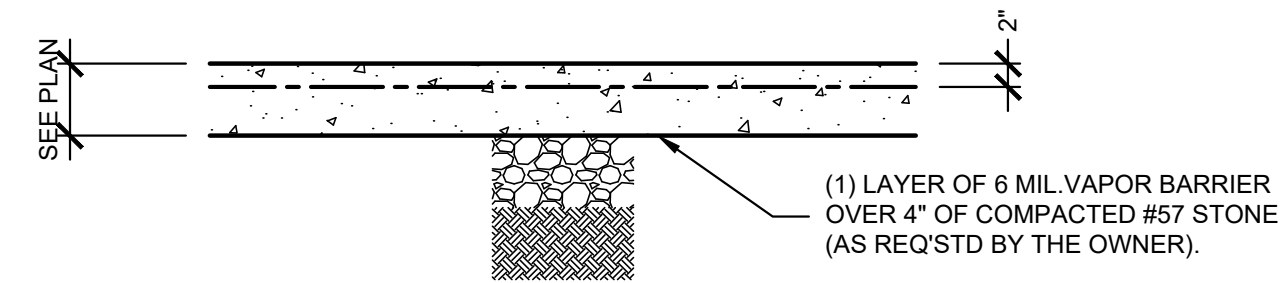
**01** TYP. WIDE FLANGE, HSS, AND JOIST BEARING PLT. DET.  
SCALE: 3" = 1'-0"



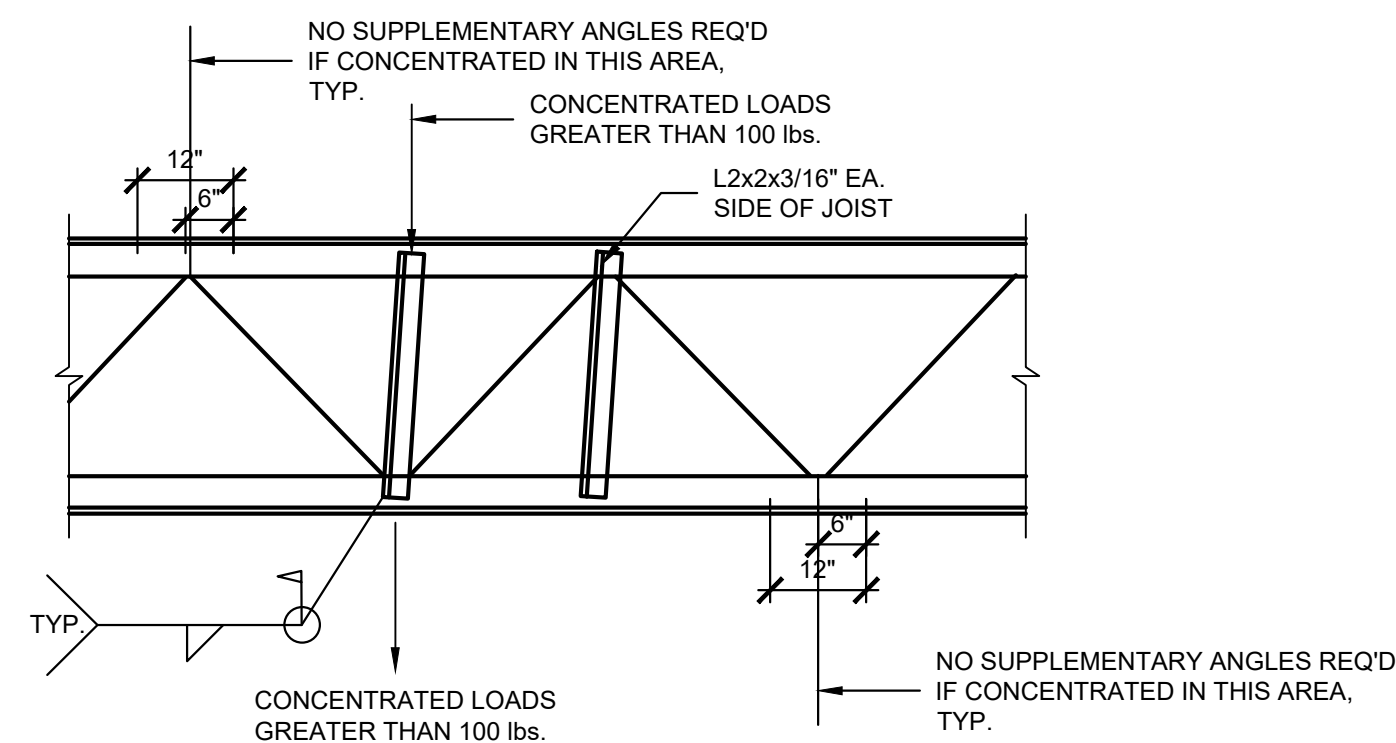
**02** TYP. REINFORCEMENT @ HVAC OPENING IN ICF  
SCALE: 3" = 1'-0"



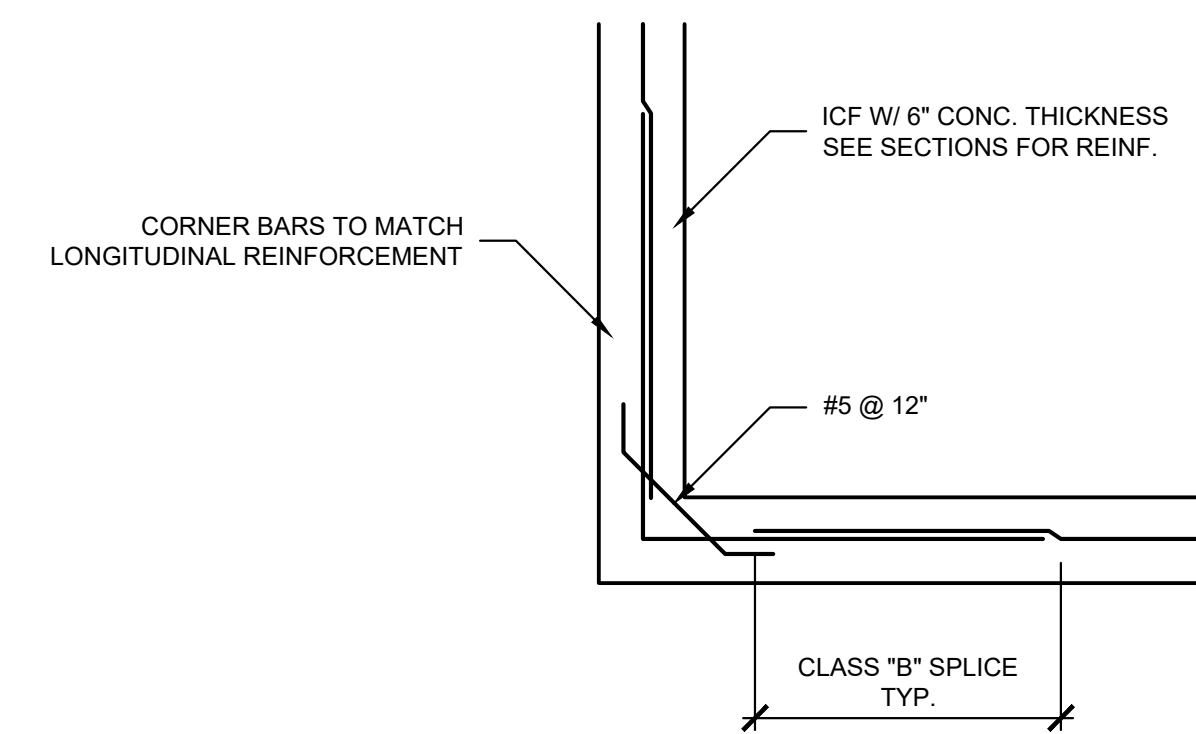
**03** TYP. AROUND DOOR/STOREFRONT OPENING IN ICF  
SCALE: 3" = 1'-0"



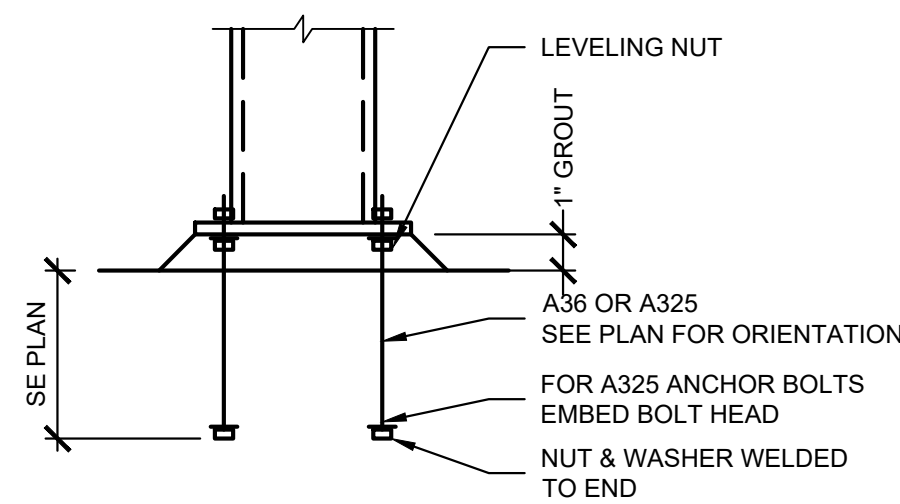
**04** TYP. SLAB ON GRADE, SUB-GRADE, VAPOR BARRIER AND CONTROL JOINT  
SCALE: 3" = 1'-0"



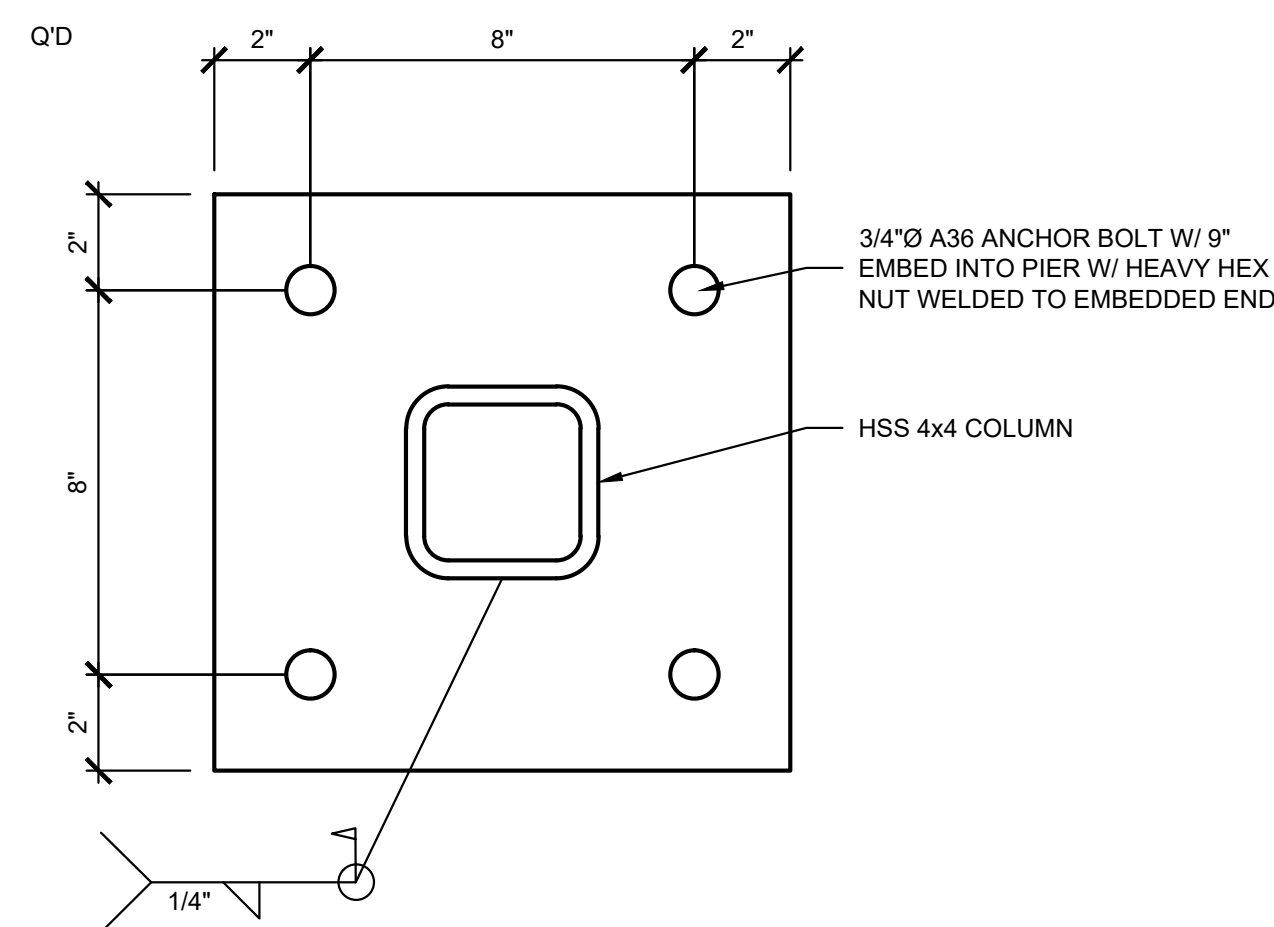
**05** TYP. JOIST REINFORCEMENT  
SCALE: 3" = 1'-0"



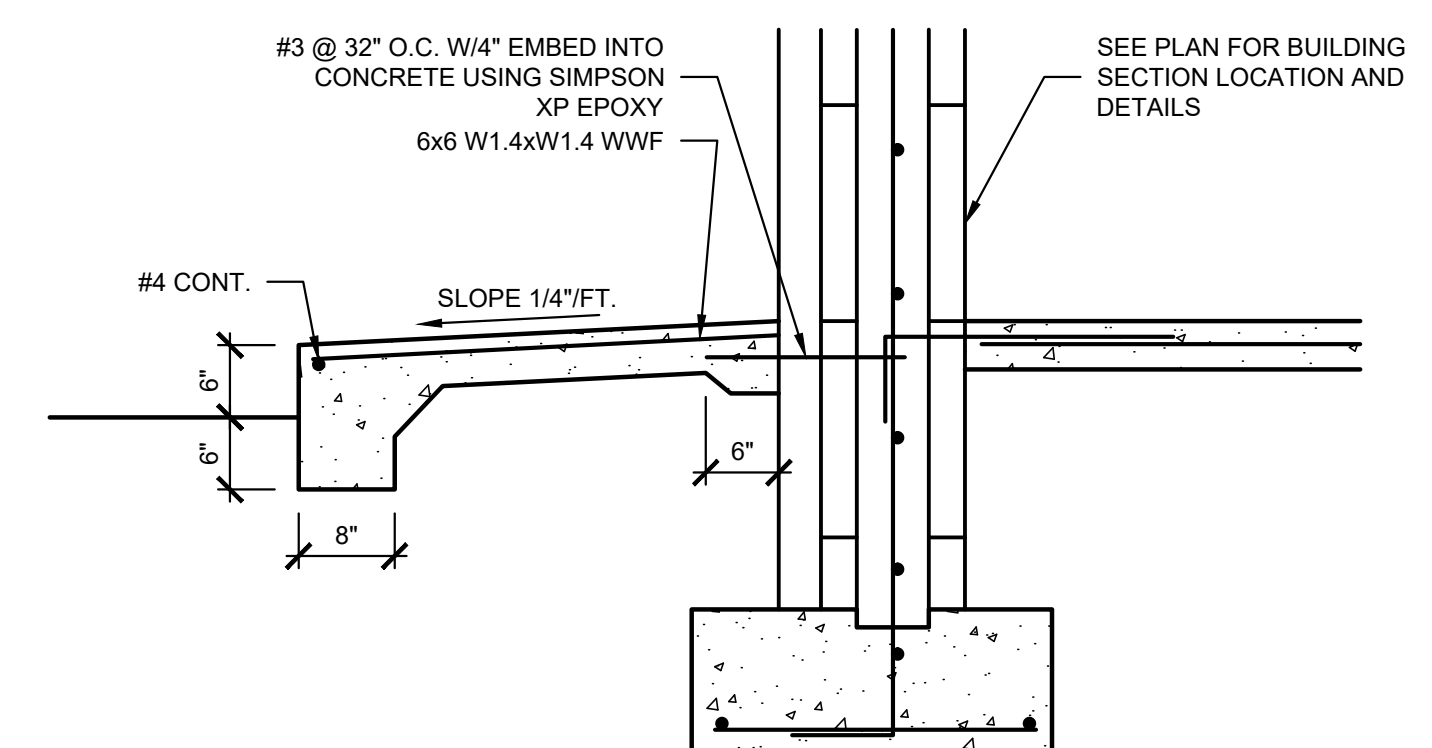
**06** TYP. WALL CORNER REINFORCEMENT DETAIL  
SCALE: 3" = 1'-0"



**07** TYP. STEEL COLUMN BASE DETAIL  
SCALE: 3" = 1'-0"



**08** TYP. HSS 4x4 BASE PLATE DETAIL  
SCALE: 3" = 1'-0"



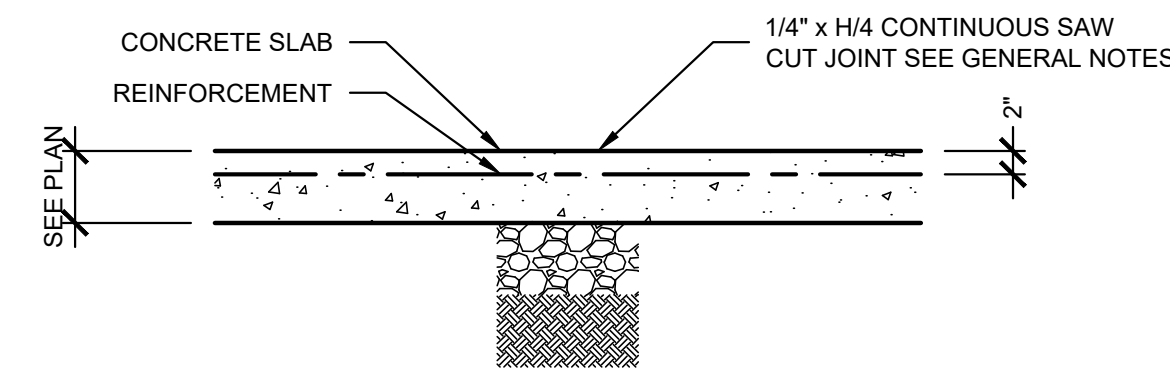
**09** TYP. SIDEWALK DETAIL  
SCALE: 3" = 1'-0"

BRICK LINTEL SCHEDULE	
OPENING WIDTH	ANGLE SIZE
LESS THAN 6'-0"	L4x3x1/4"
6'-0" TO 8'-0"	L6x4x3/8"

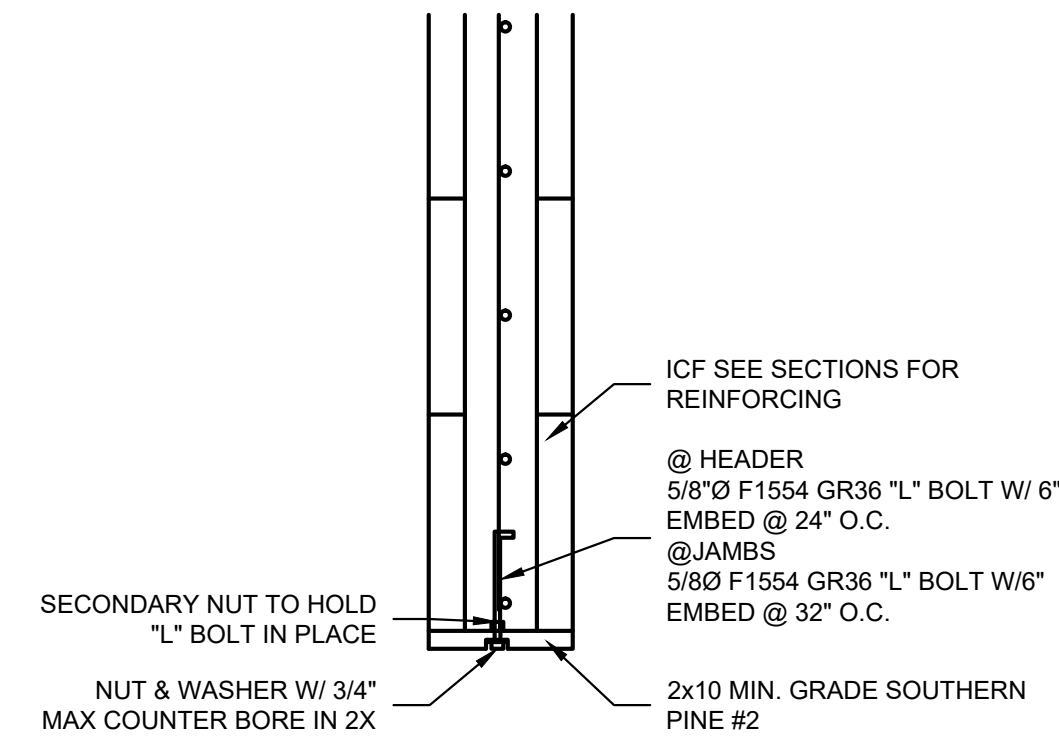


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**01** TYP. SIDEWALK & EXTERIOR PAVEMENT, CONTROL JOINT DETAIL  
SCALE: 3" = 1'-0"



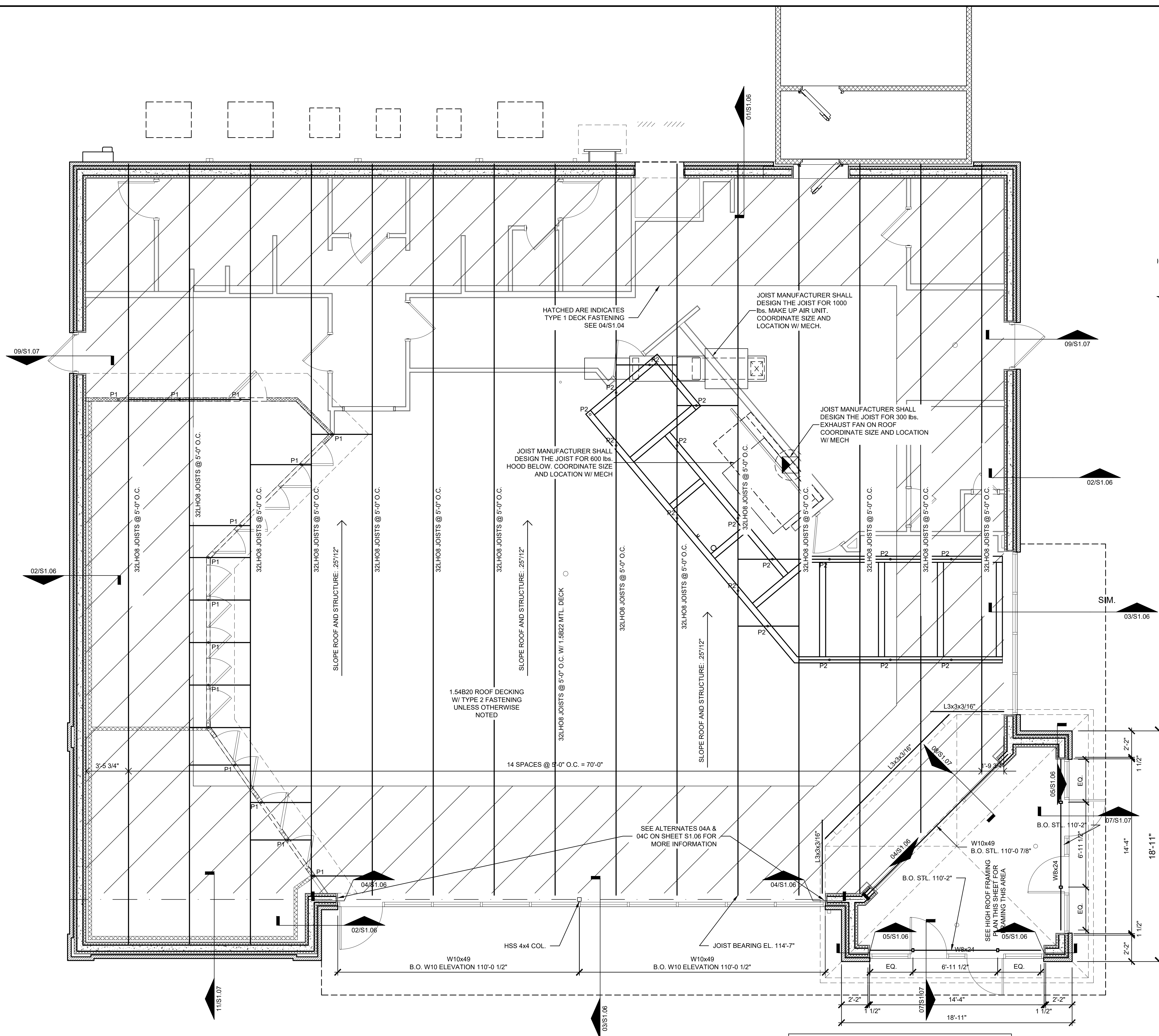
**02** TYP. 2x ATTACHMENT TO ICF @ NEW OPENING PERIMETER  
SCALE: 3" = 1'-0"



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PROJECT: NEWCOMB OIL CO., LLC - FILE: S1.04 Low Roof Plan.dwg - DATE: Jun 28, 2022 12:27 PM - BY: NICK MCCART

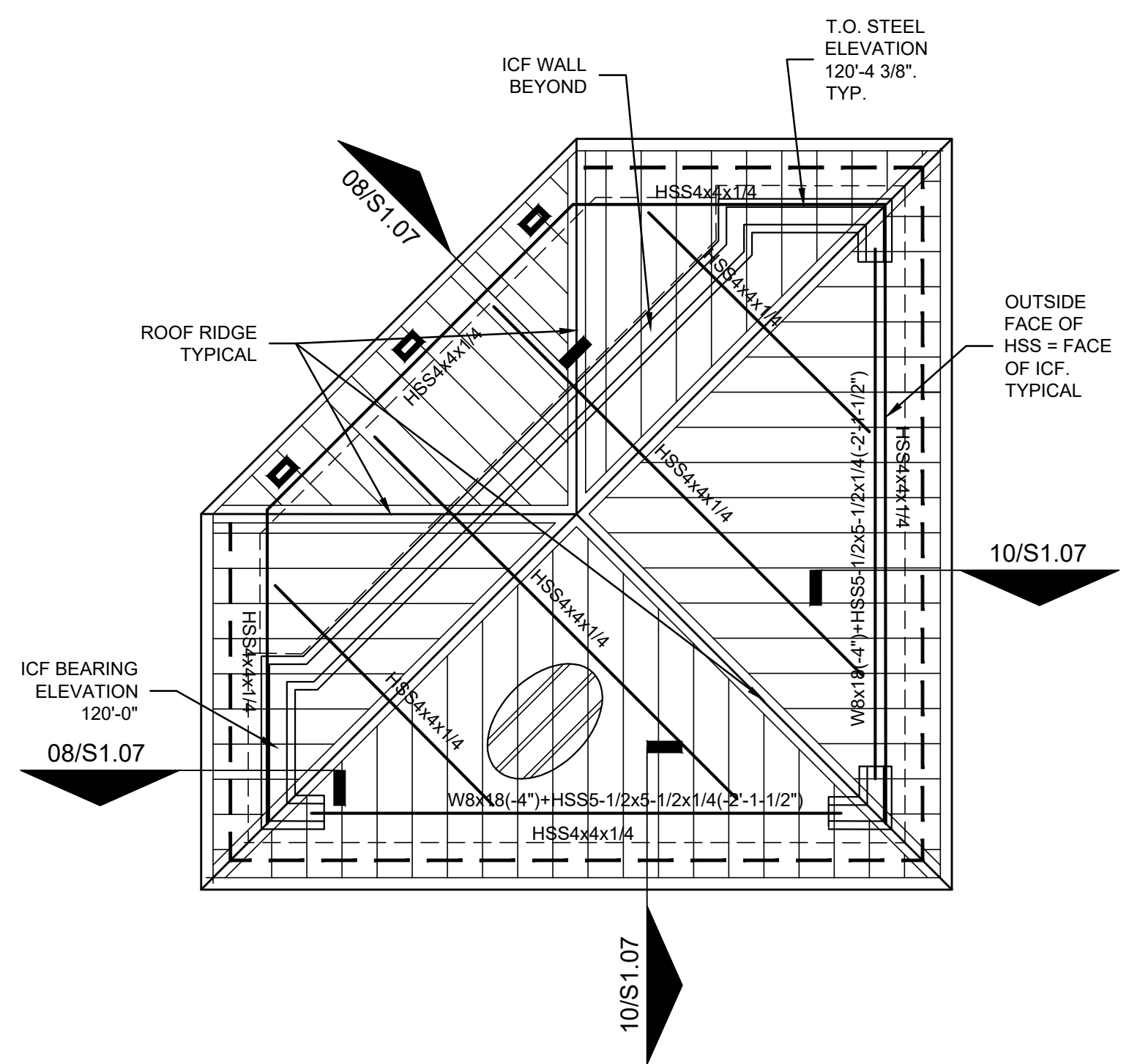


**01 LOW ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"

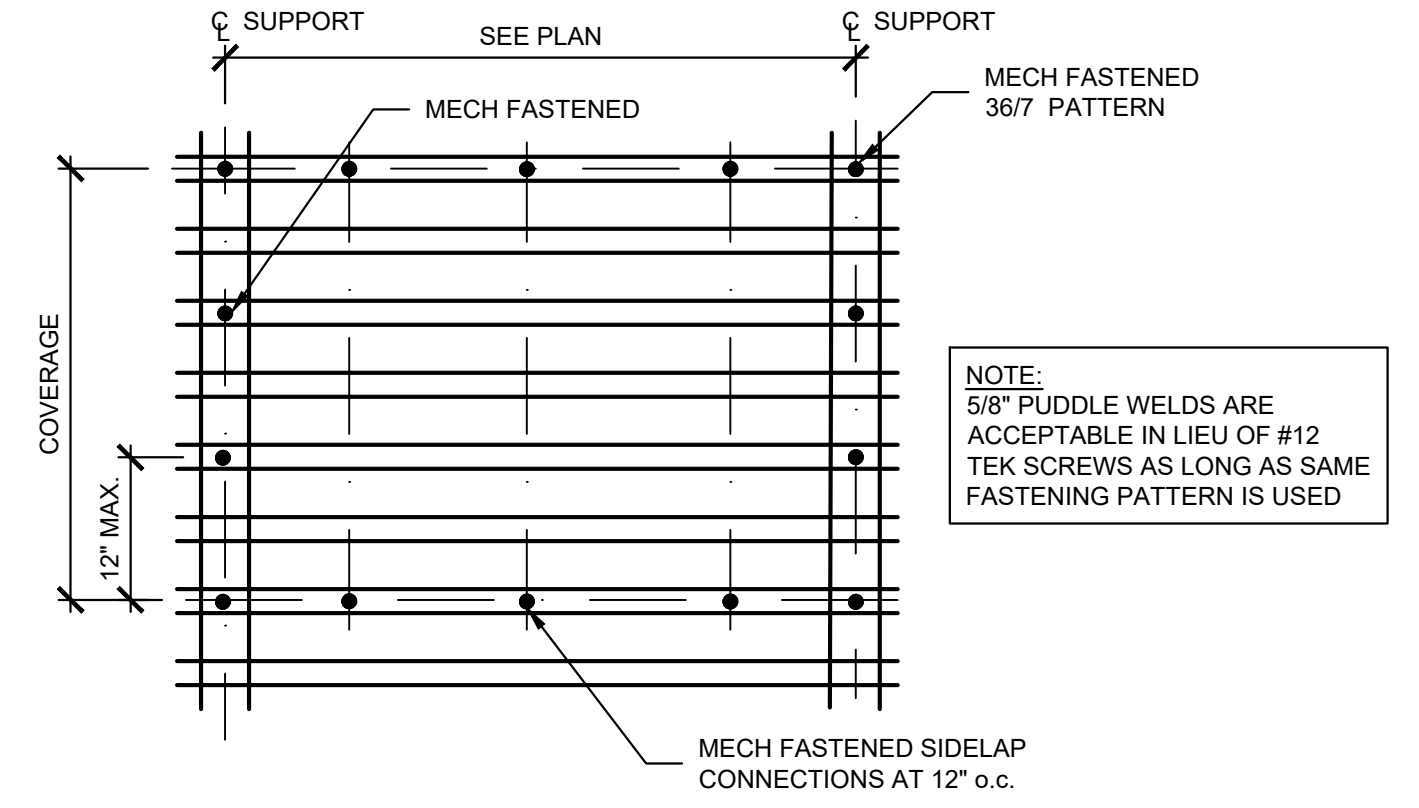
NOTES:  
1. MANUFACTURER SHALL PROVIDE BRIDGING PER SJI REQUIREMENTS  
2. P1 ON THE PLAN INDICATES A 250 LB. POINT LOAD FROM PARTITION WALLS ABOVE THE COOLER WALLS TO BE SUSPENDED FROM THE BOTTOM CHORD OF THE JOISTS, WHERE HANGERS DO NOT LINE UP DIRECTLY WITH JOIST PROVIDE P5500 UNI-STRUT BETWEEN JOIST SIMILAR TO, SEE SHEET S1.05.  
3. P2 ON THE PLAN INDICATES A 150 LB. LOAD TO BE SUSPENDED FROM THE BOTTOM CHORD OF THE JOISTS. SEE SHEET S1.05 FOR ADDITIONAL INFORMATION.

NOTE:  
METAL ROOF DECK FASTENING - USE #12 TEK SCREWS 36/7 SCREW FASTENER PATTERN AT EACH JOIST. 5/8" PUDDLE WELDS CAN BE SUBSTITUTED FOR #12 TEK SCREWS AS LONG AS SAME PATTERN FOR EACH FASTEN TYPE IS USED

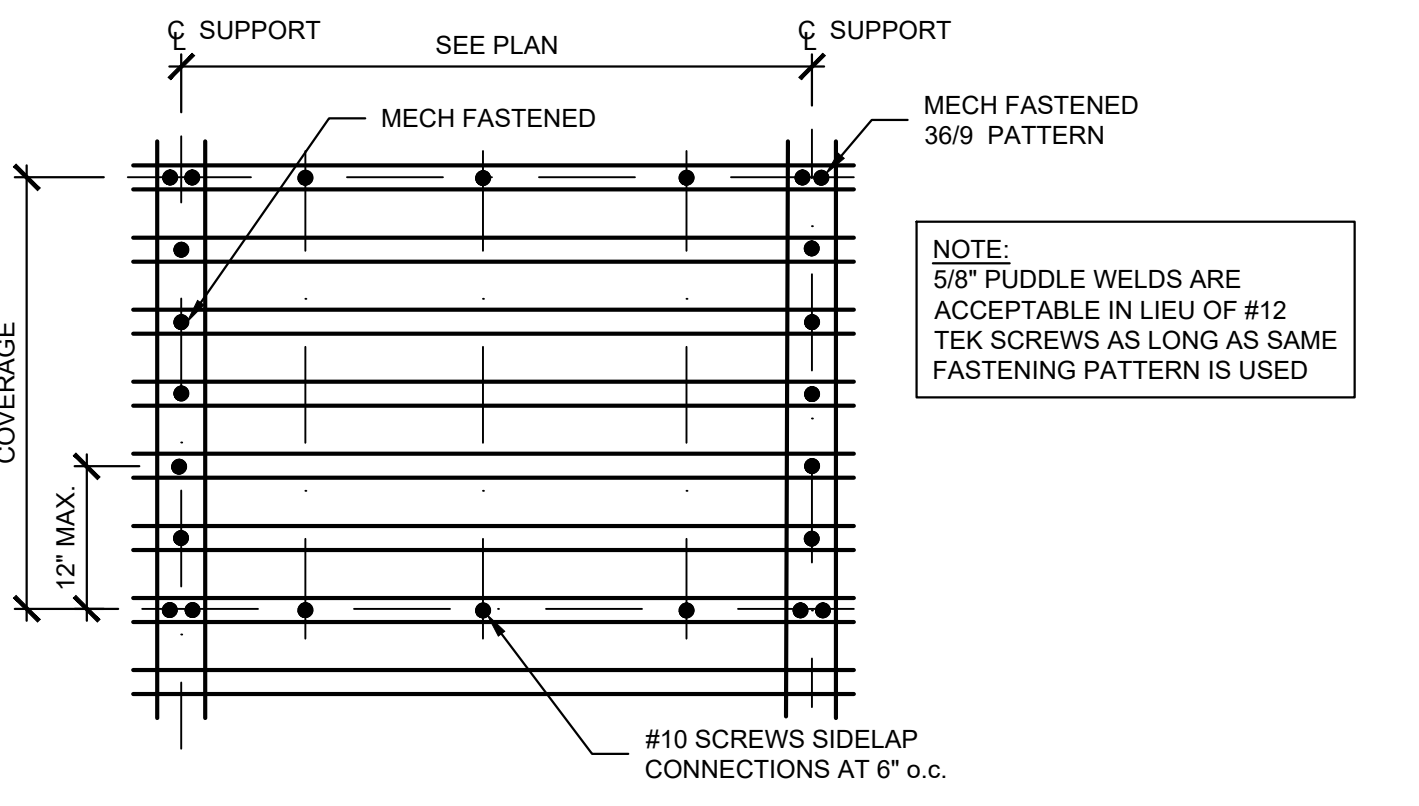
NOTE:  
PICTURES ARE TO BE SENT TO ARCHITECT OF RECORD OF ALL ERECTION CONNECTIONS OF STEEL.



**02 HIGH ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



**03 TYPE 2 METAL ROOF DECK FASTENING PATTERN**  
SCALE: 1/4" = 1'-0"



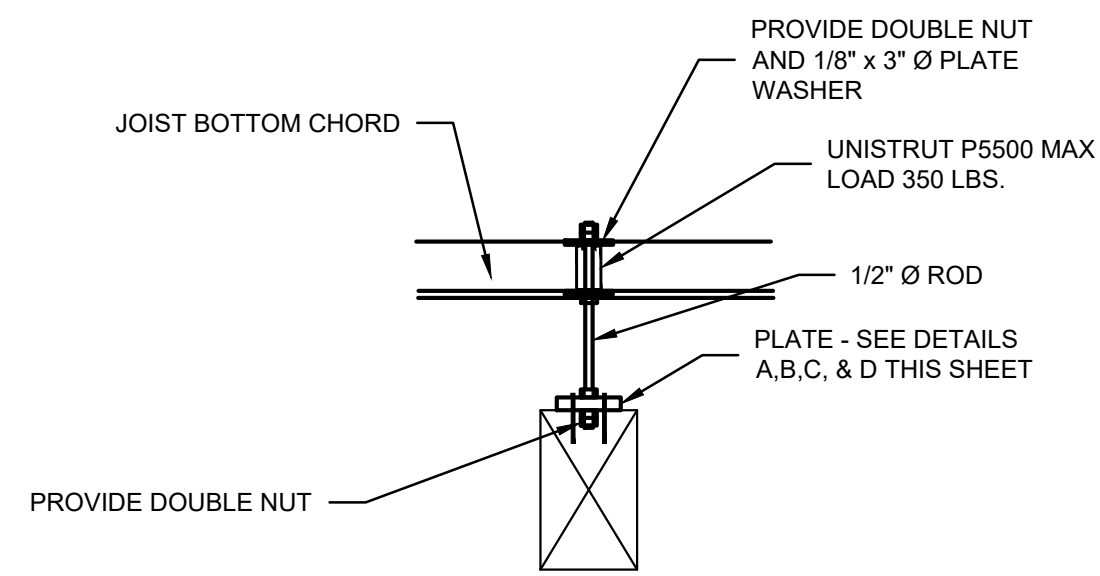
**04 TYPE 1 (HATCHED AREA) METAL ROOF DECK FASTENING PATTERN**  
SCALE: 1/4" = 1'-0"



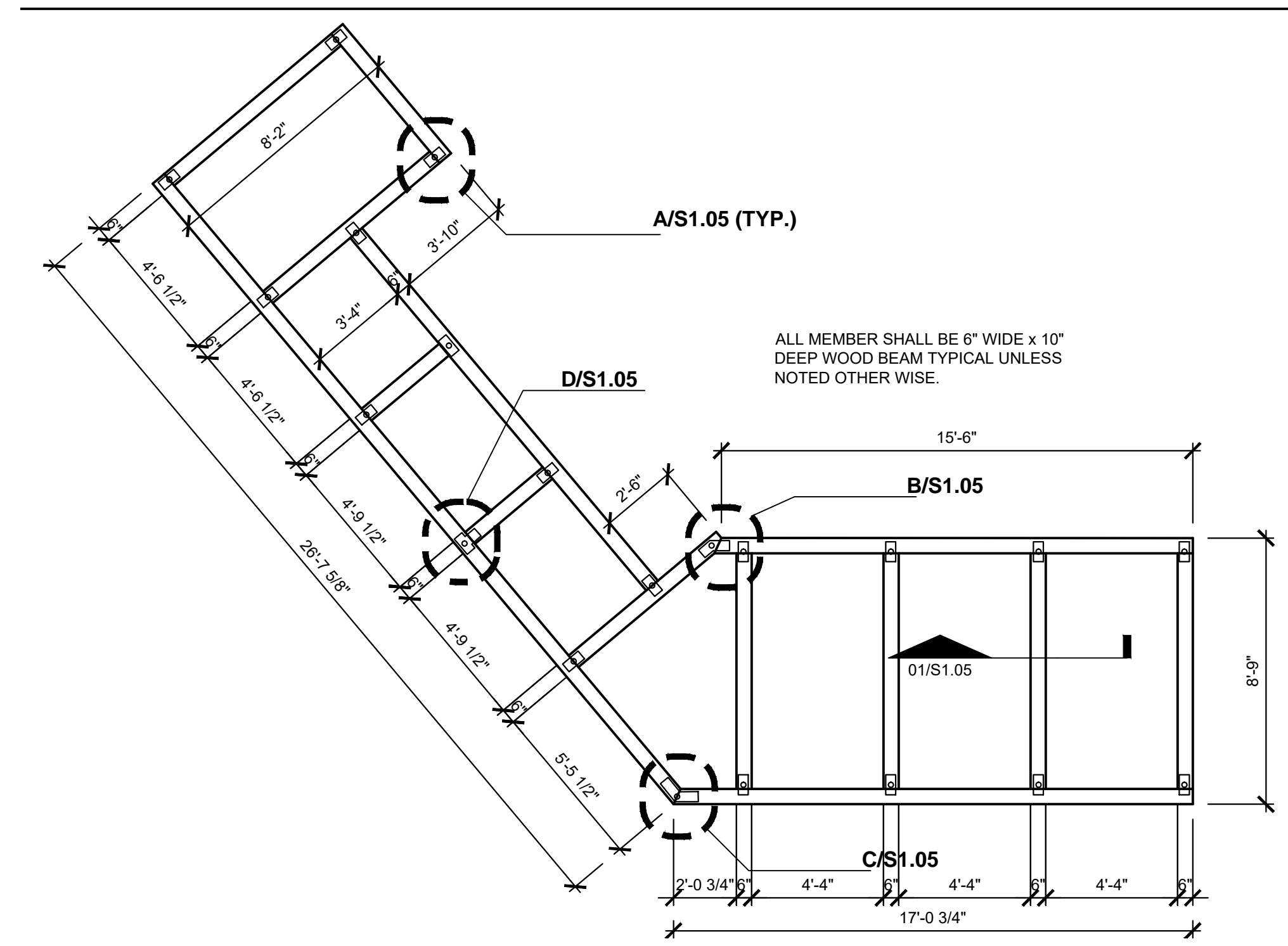
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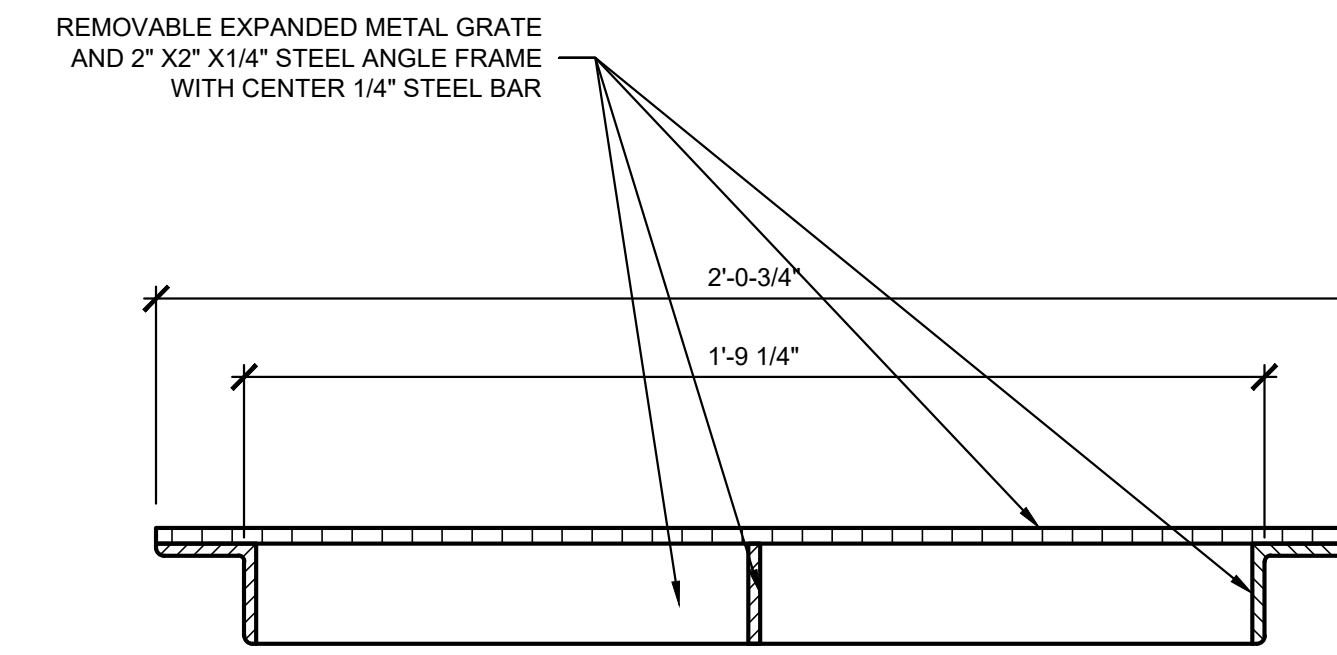
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**01 SECTION**  
SCALE: 1" = 1'-0"



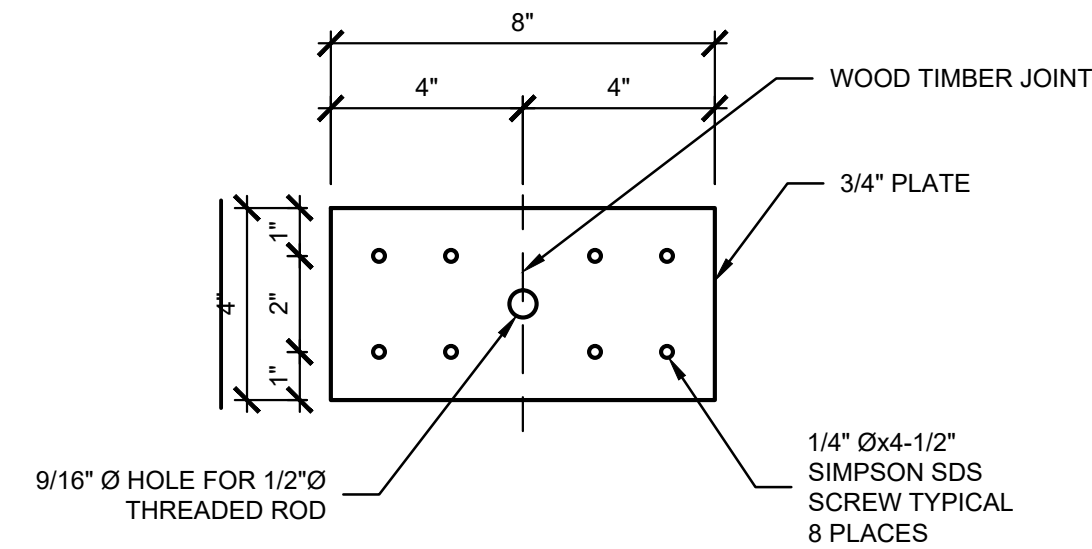
**02 WOOD CEILING ELEMENT FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



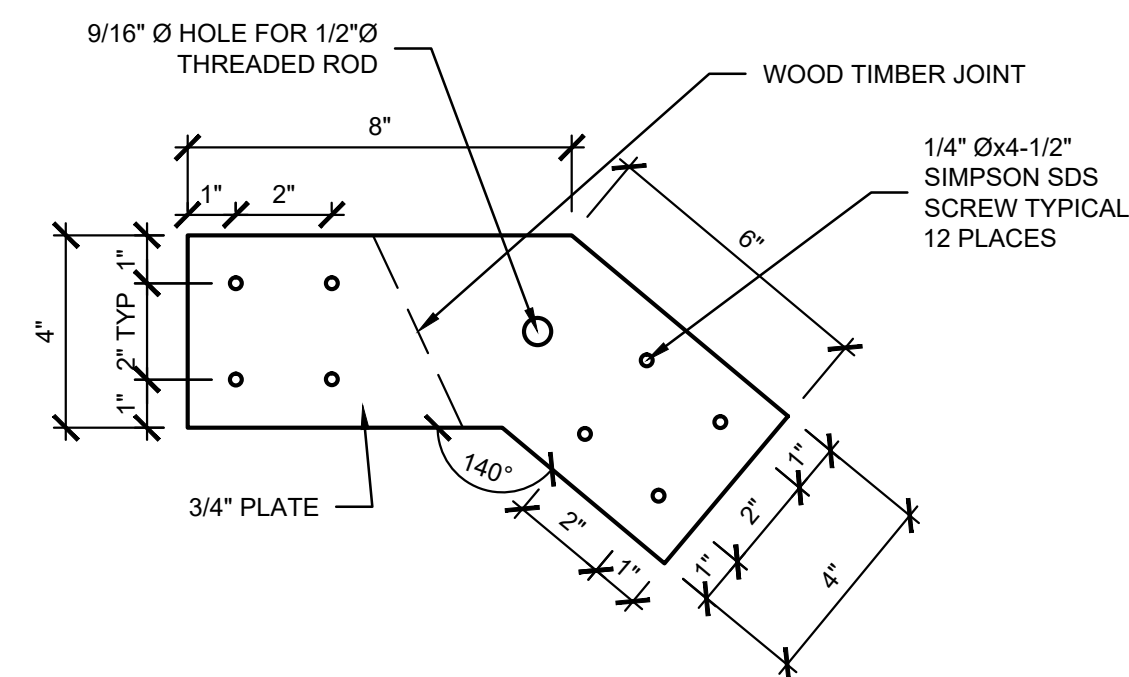
**03 FLOOR SINK SECTION**  
SCALE: 3" = 1'-0"



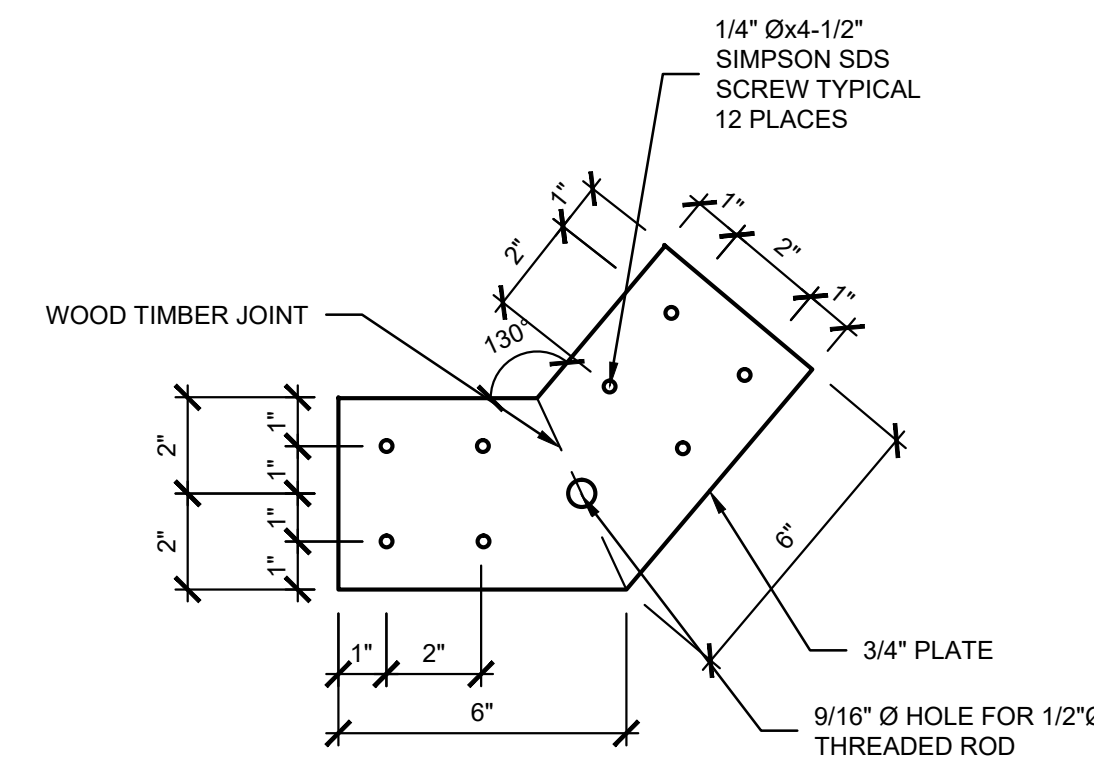
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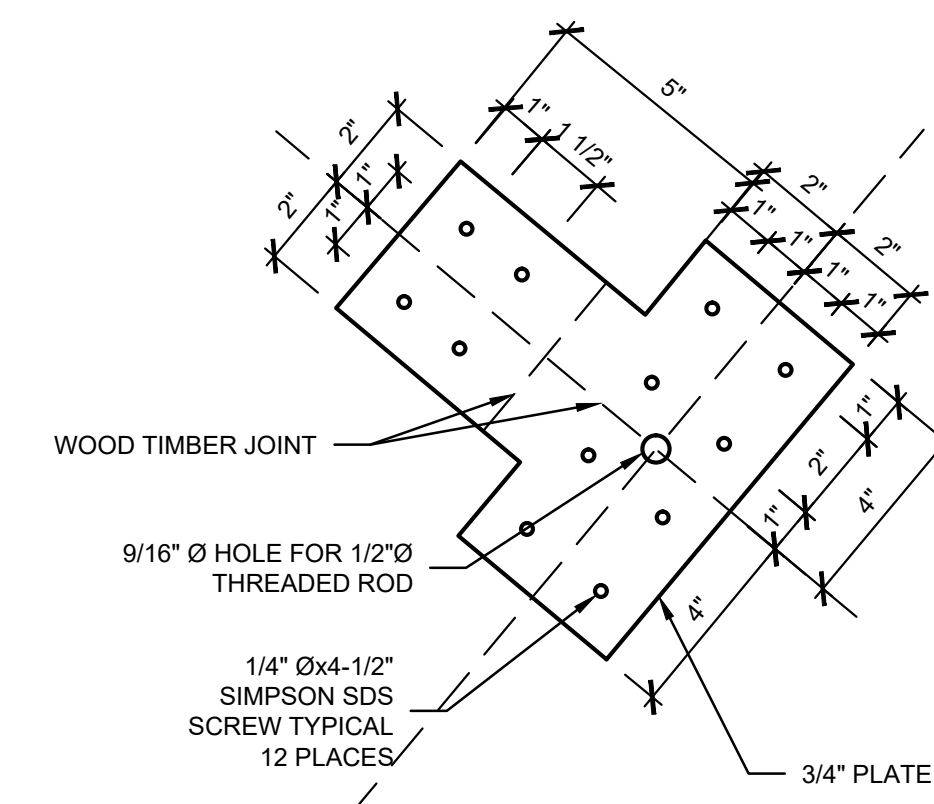
**A DETAIL**  
SCALE: 3" = 1'-0"



**B DETAIL**  
SCALE: 3" = 1'-0"



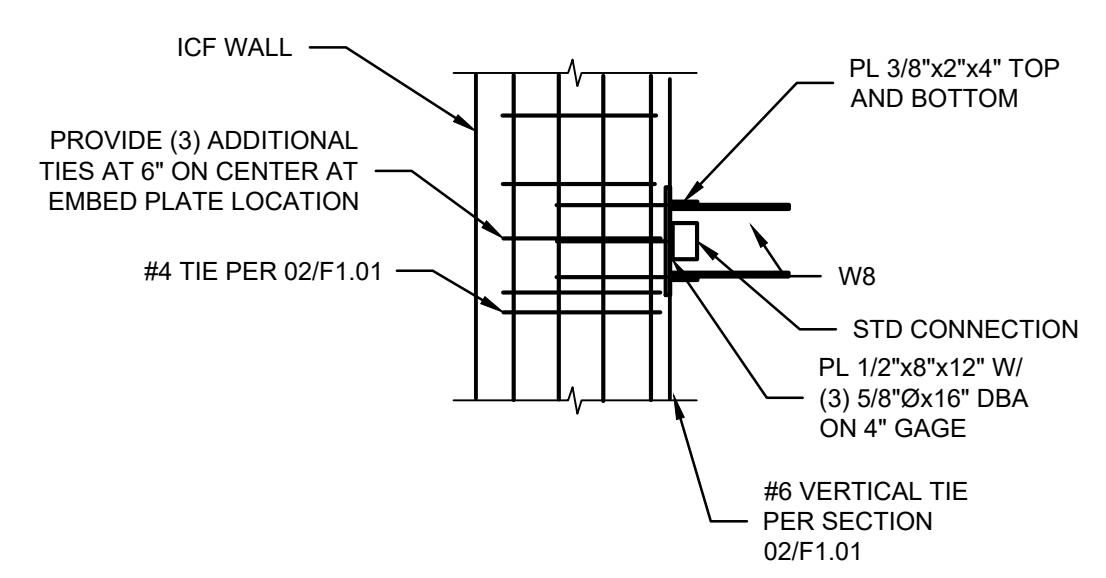
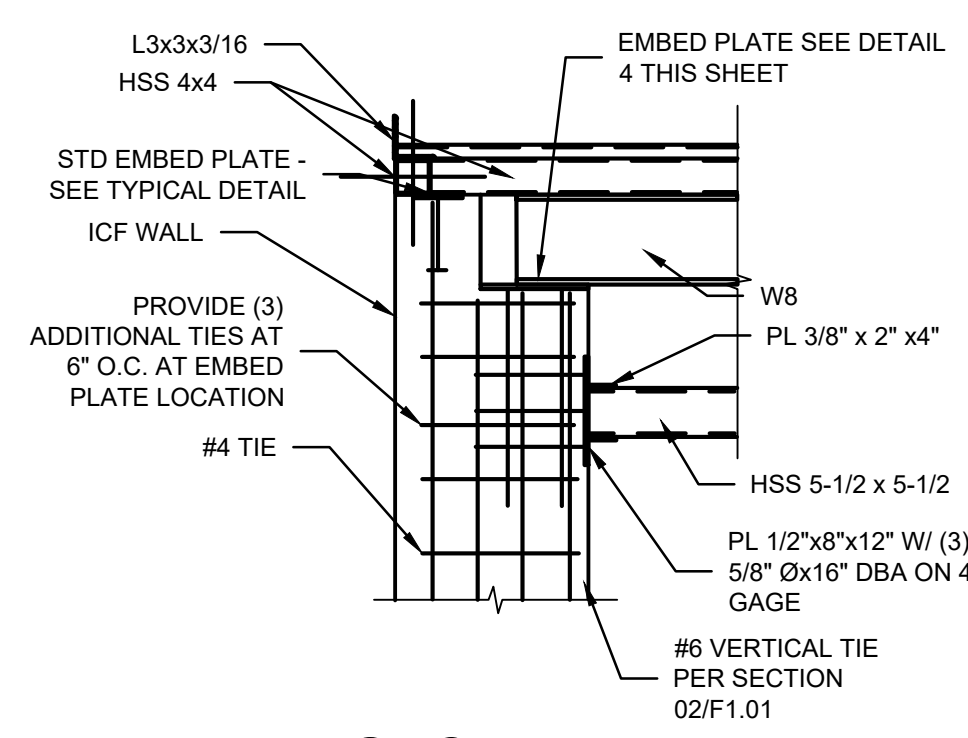
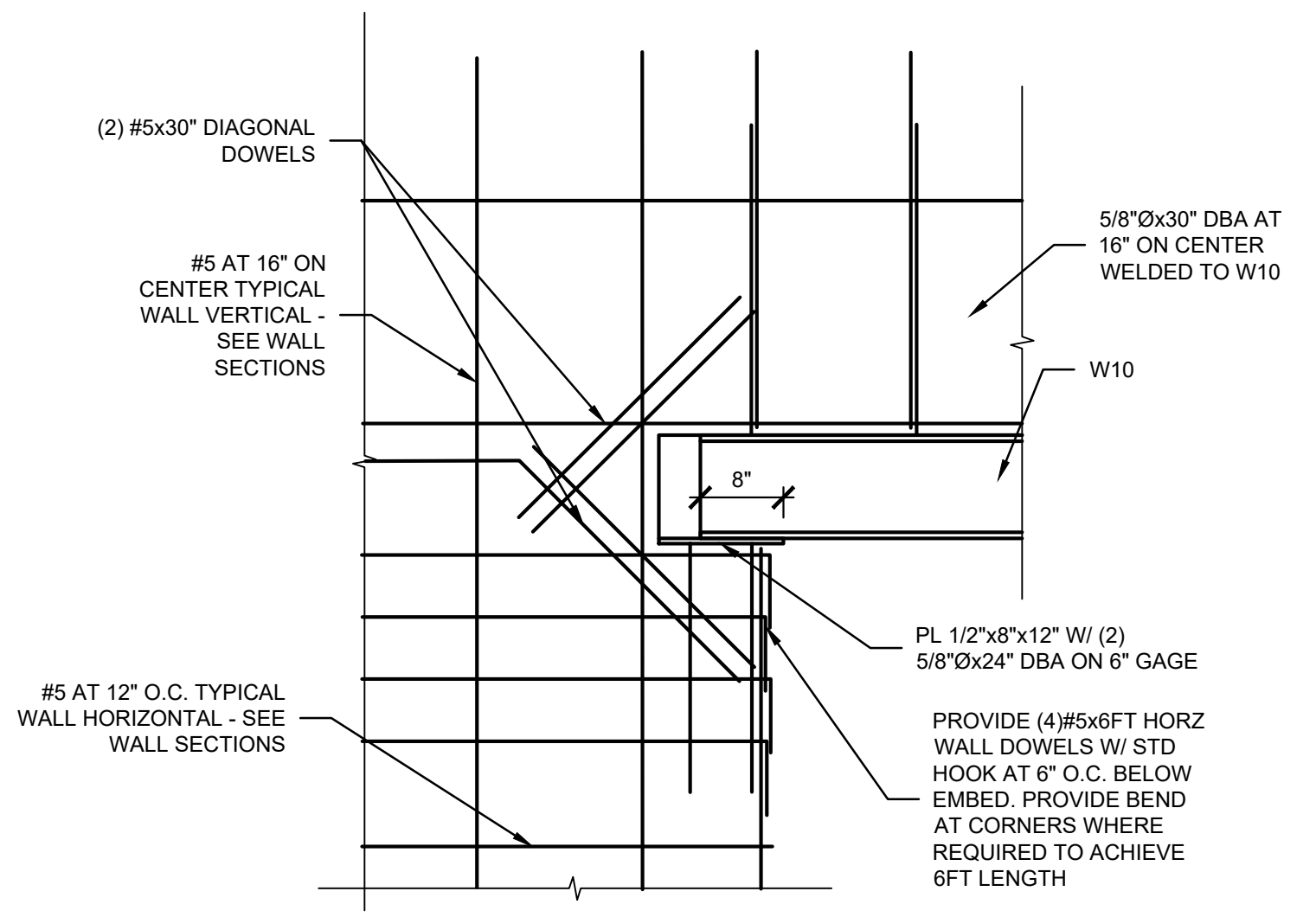
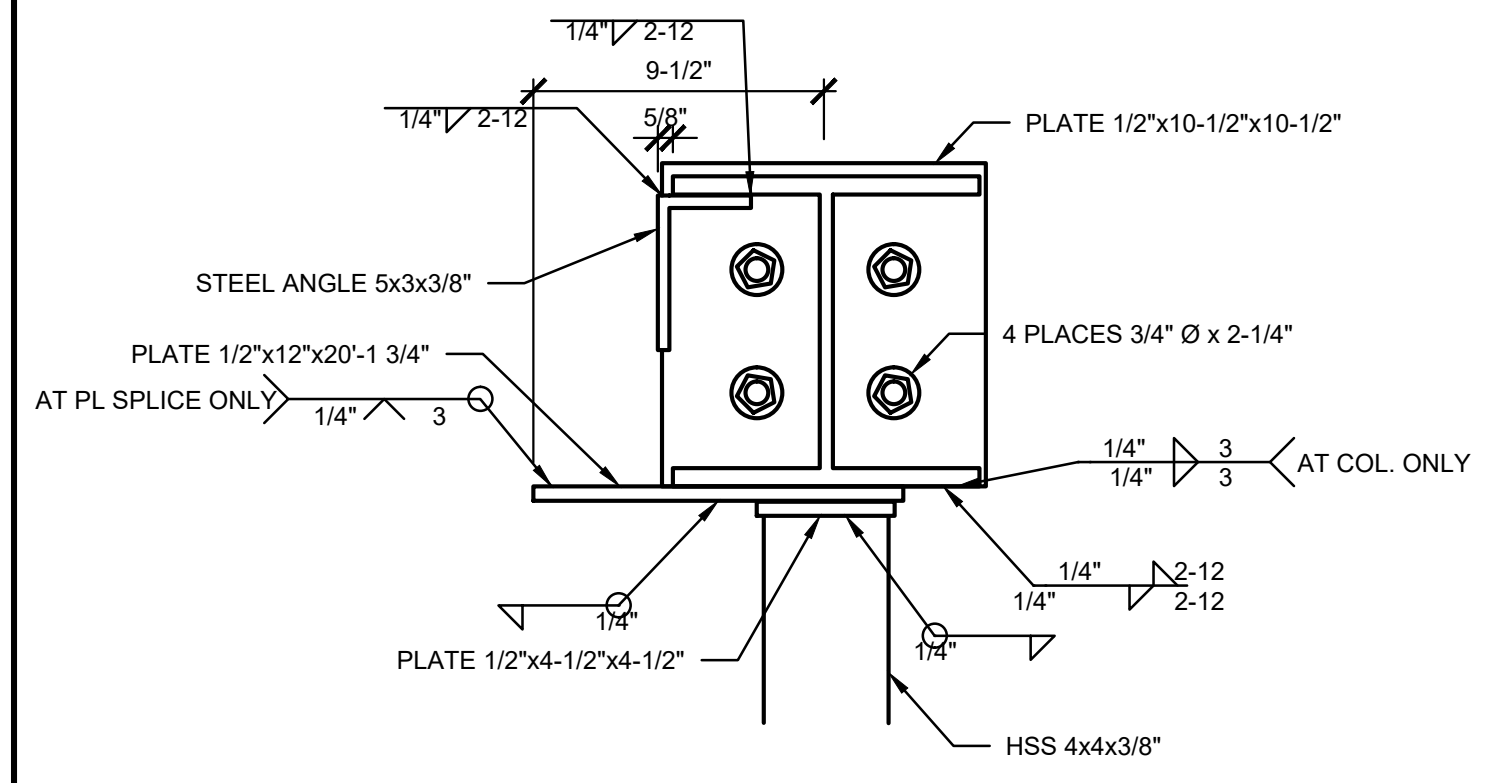
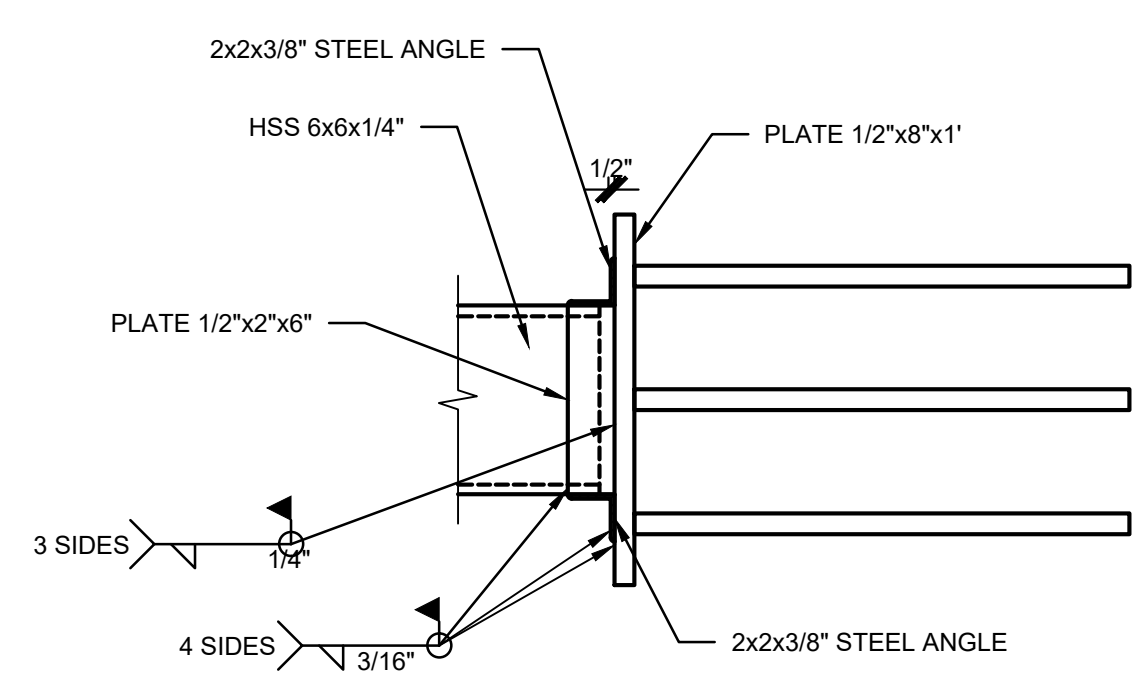
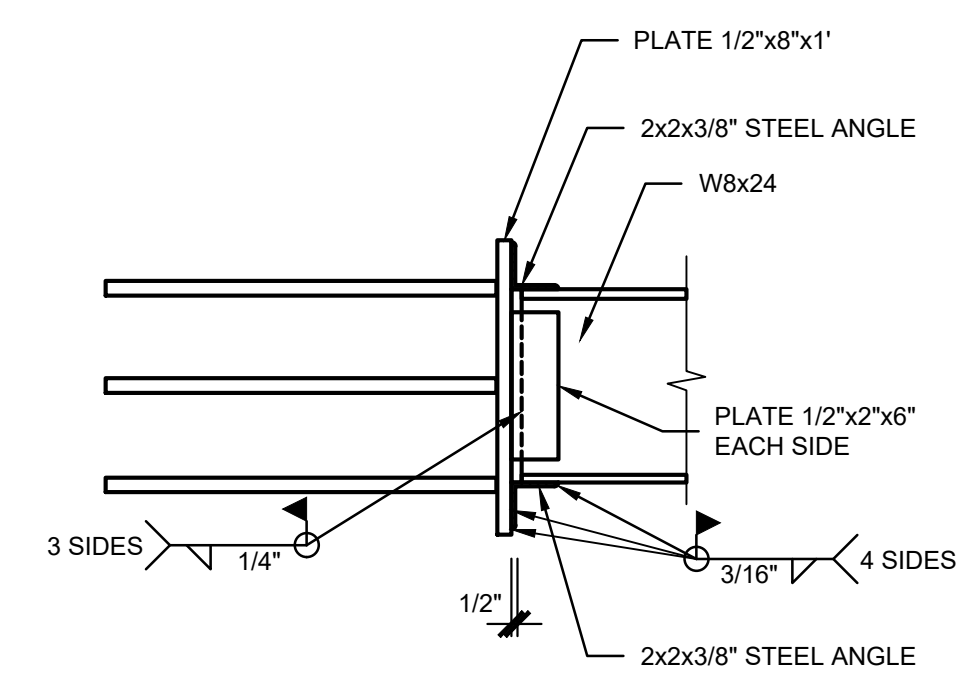
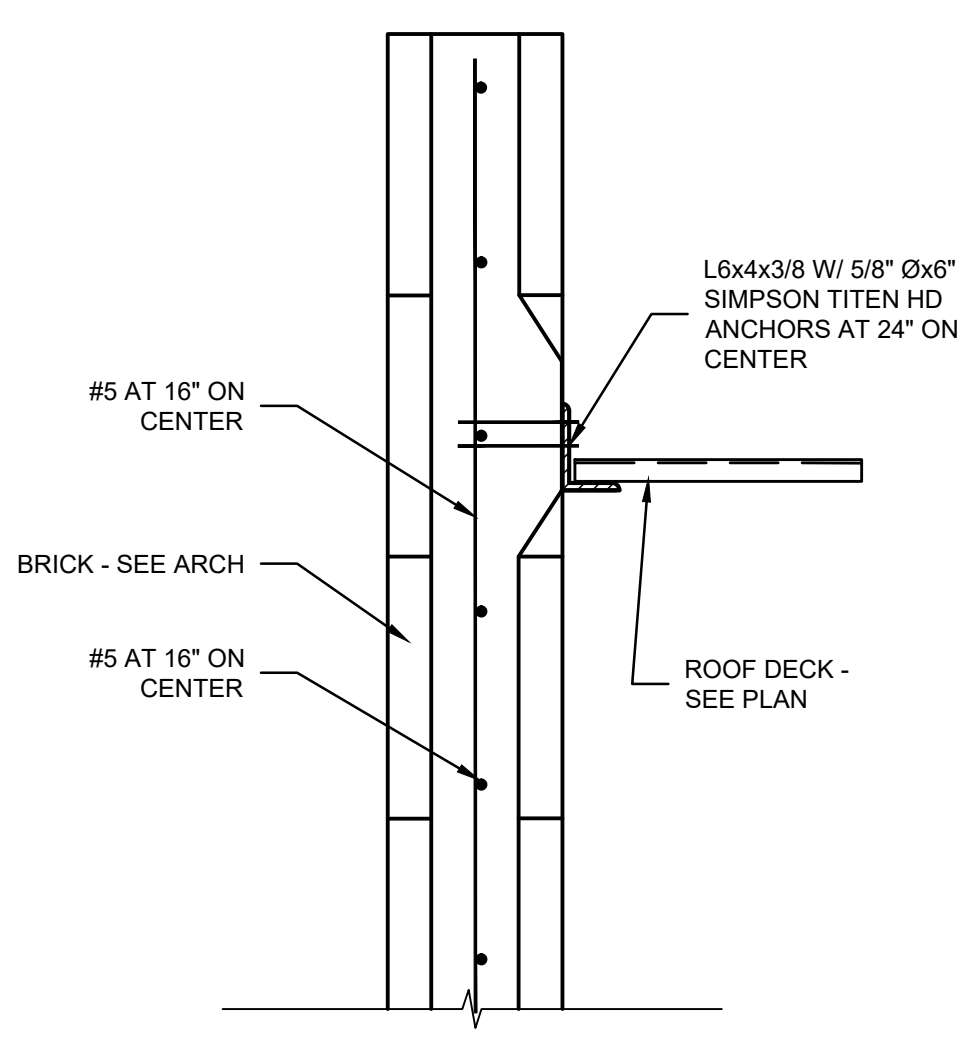
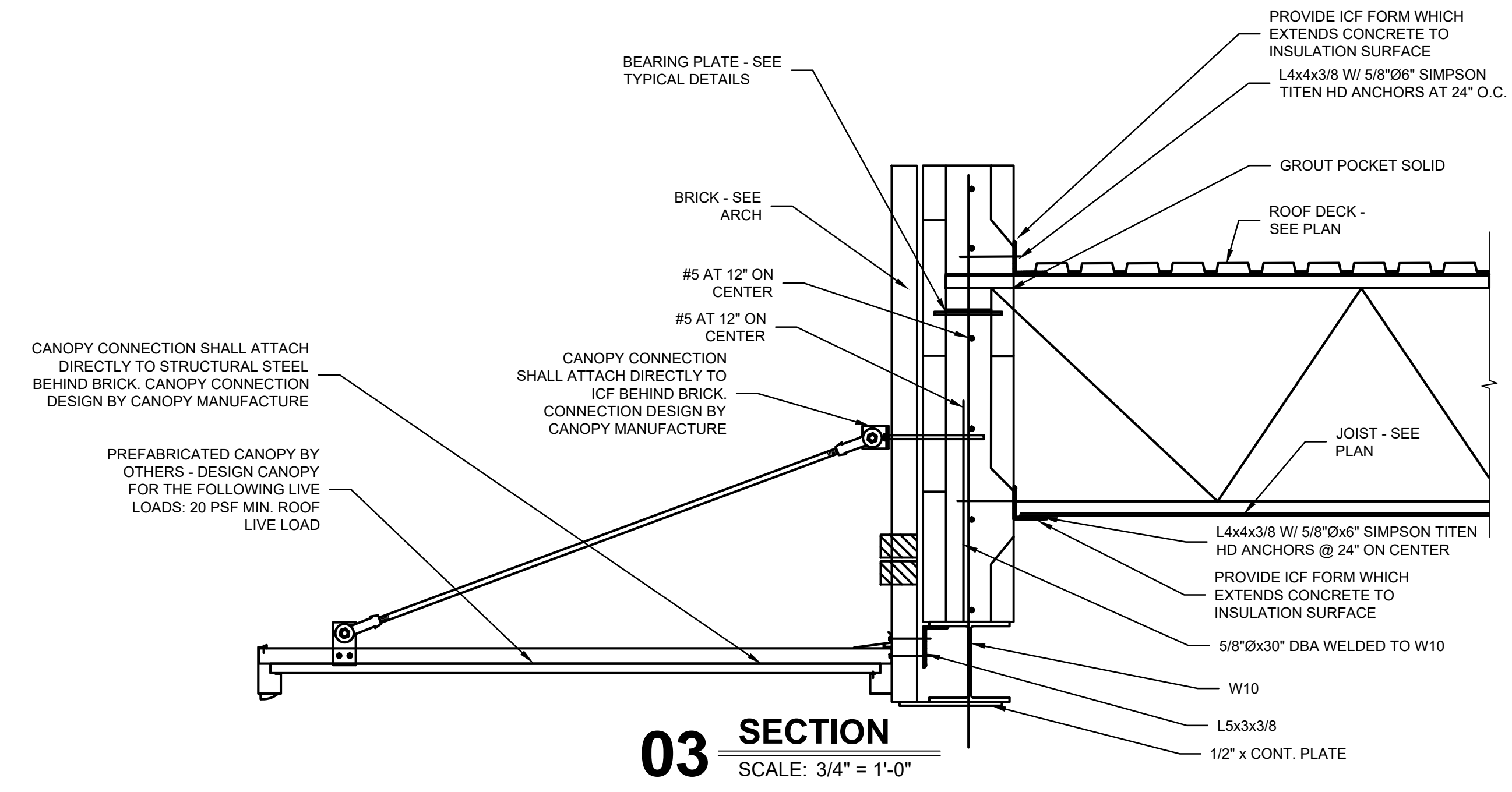
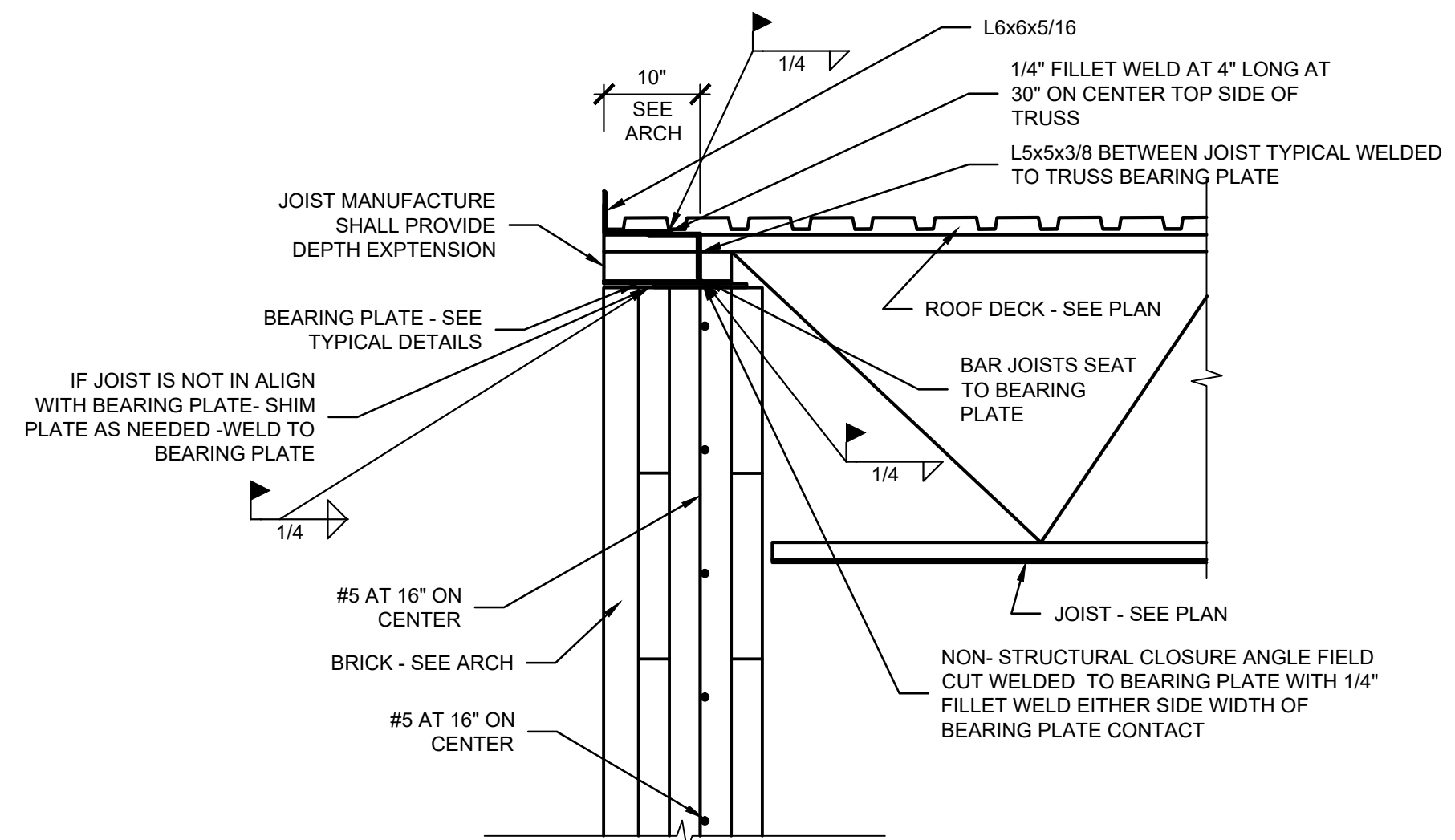
**C DETAIL**  
SCALE: 3" = 1'-0"



**D DETAIL**  
SCALE: 3" = 1'-0"

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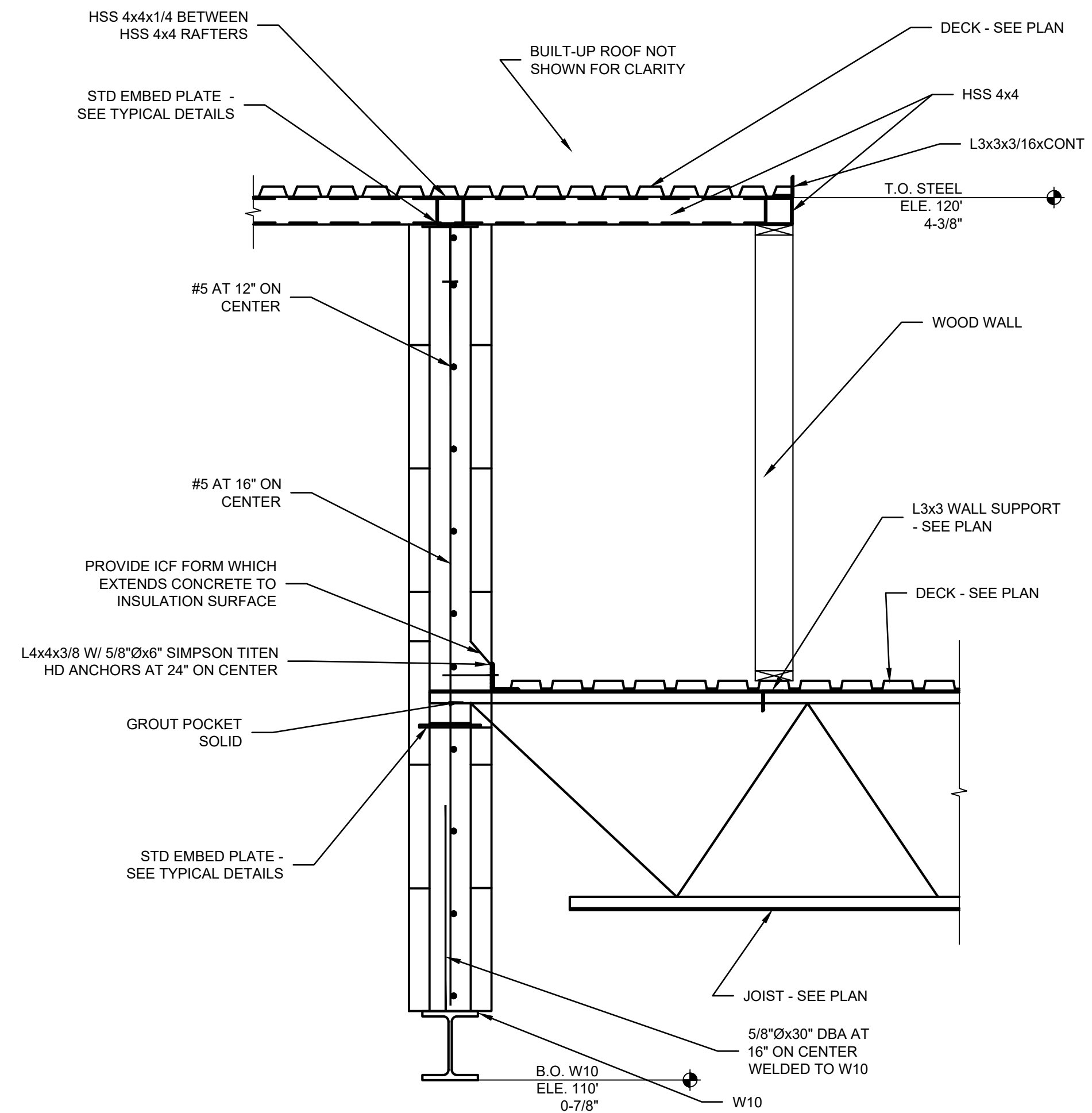


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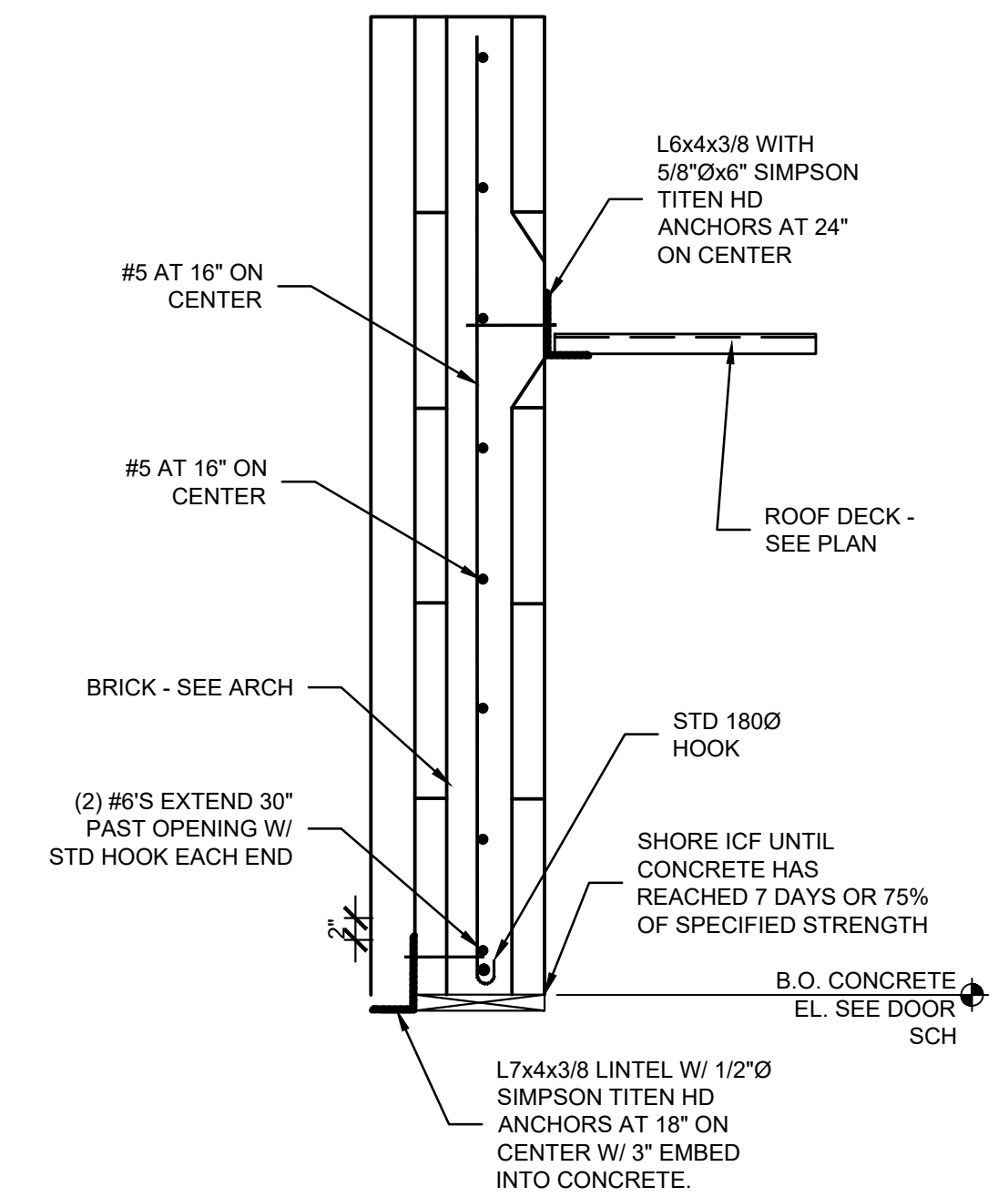
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PROJECT: NEWCOMB OIL CO., LLC - FILE: S1.06 Structural Sections & Details.dwg - DATE: Jun 28, 2022 12:7PM - BY: NICK MCCART

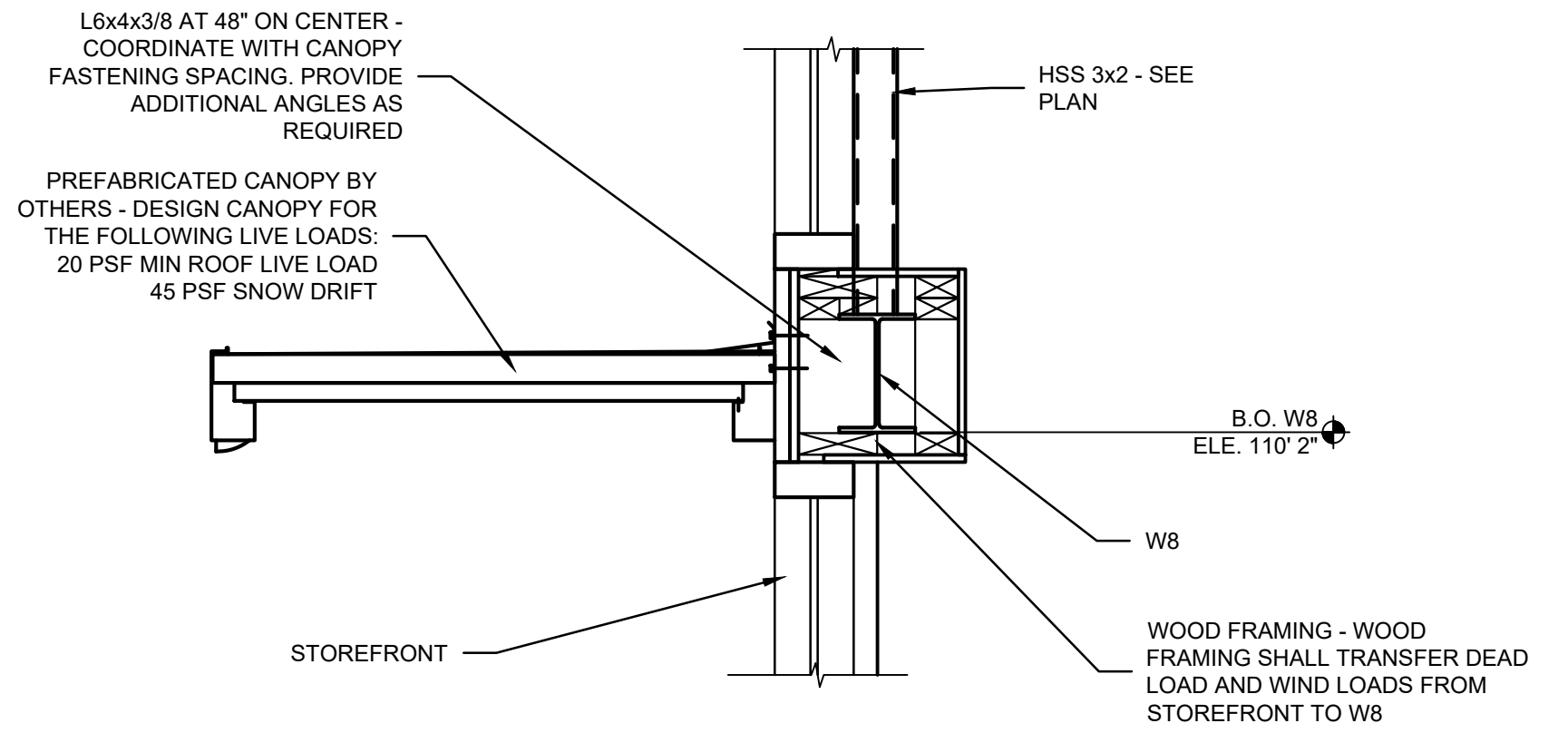
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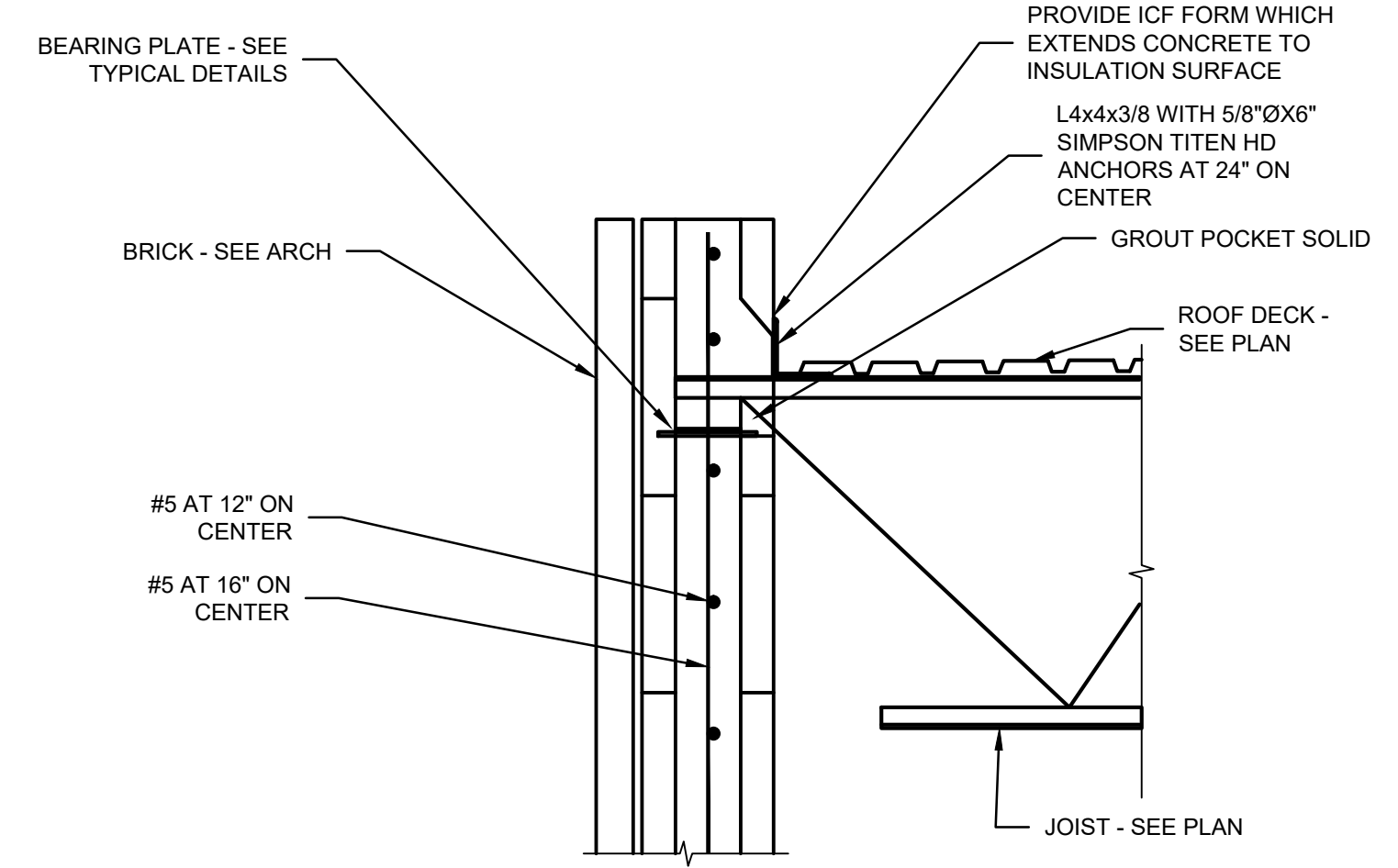
**08 SECTION**  
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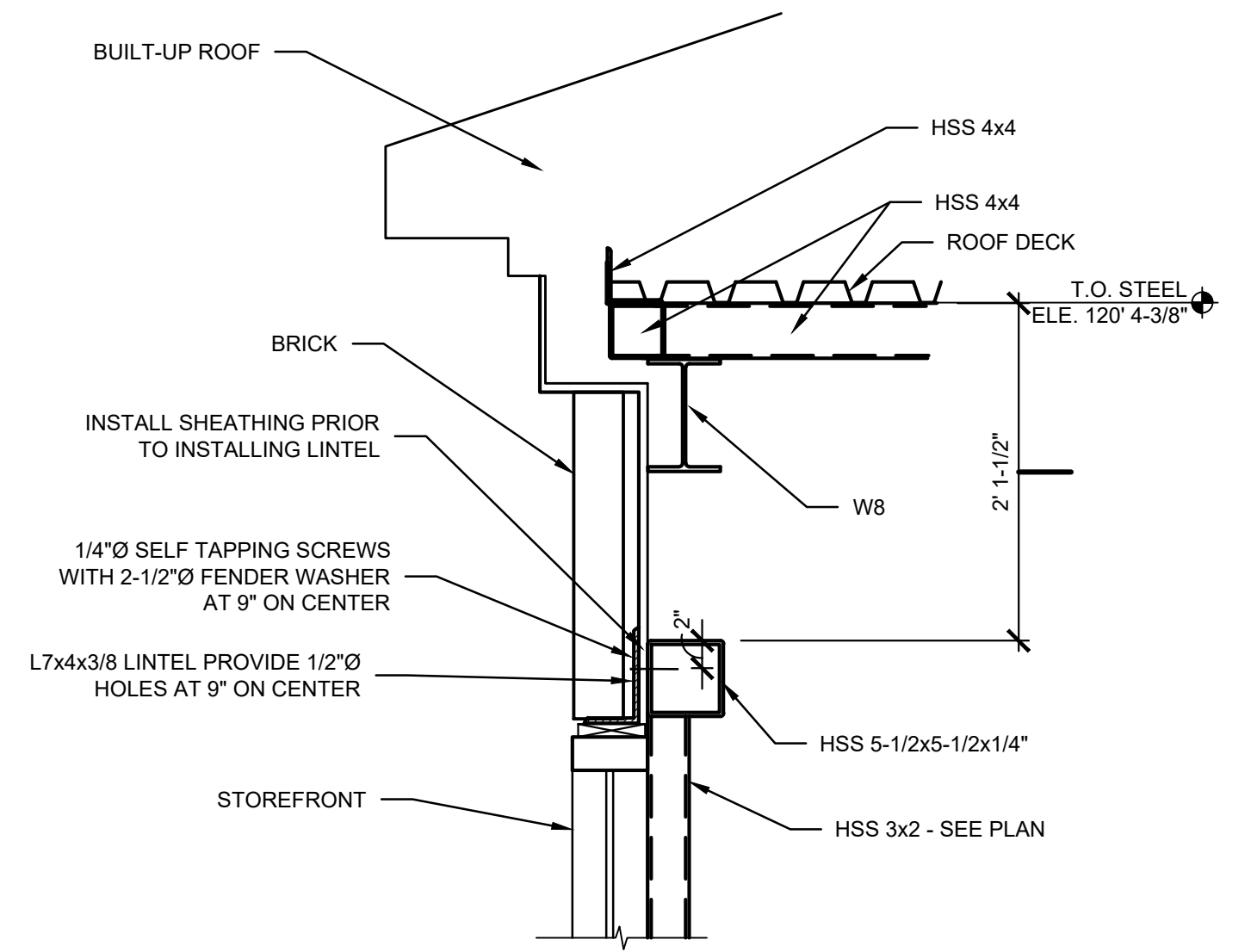
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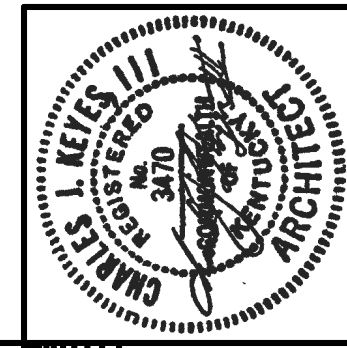
**07 SECTION**  
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**11 SECTION**  
SCALE: 1" = 1'-0"



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



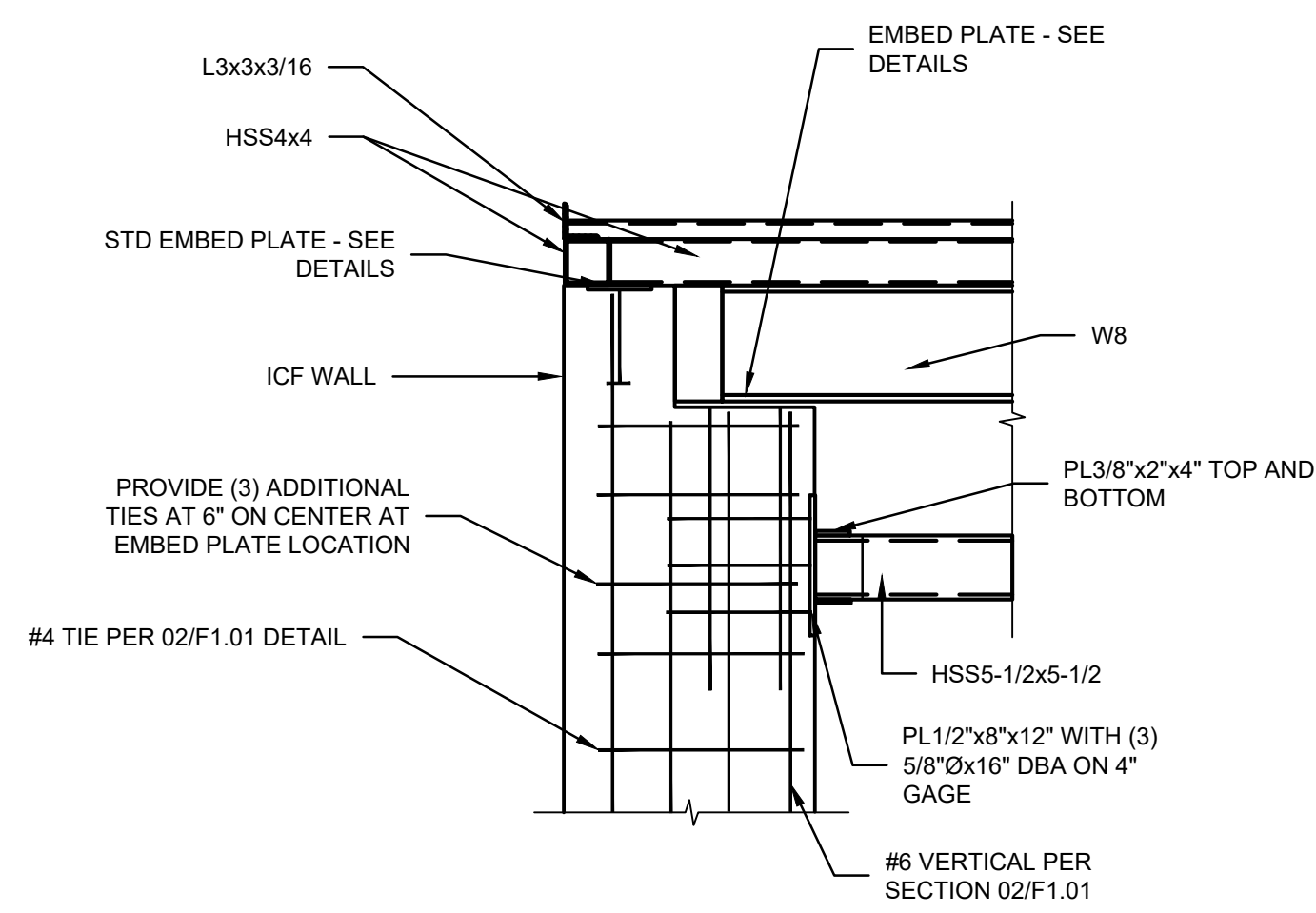
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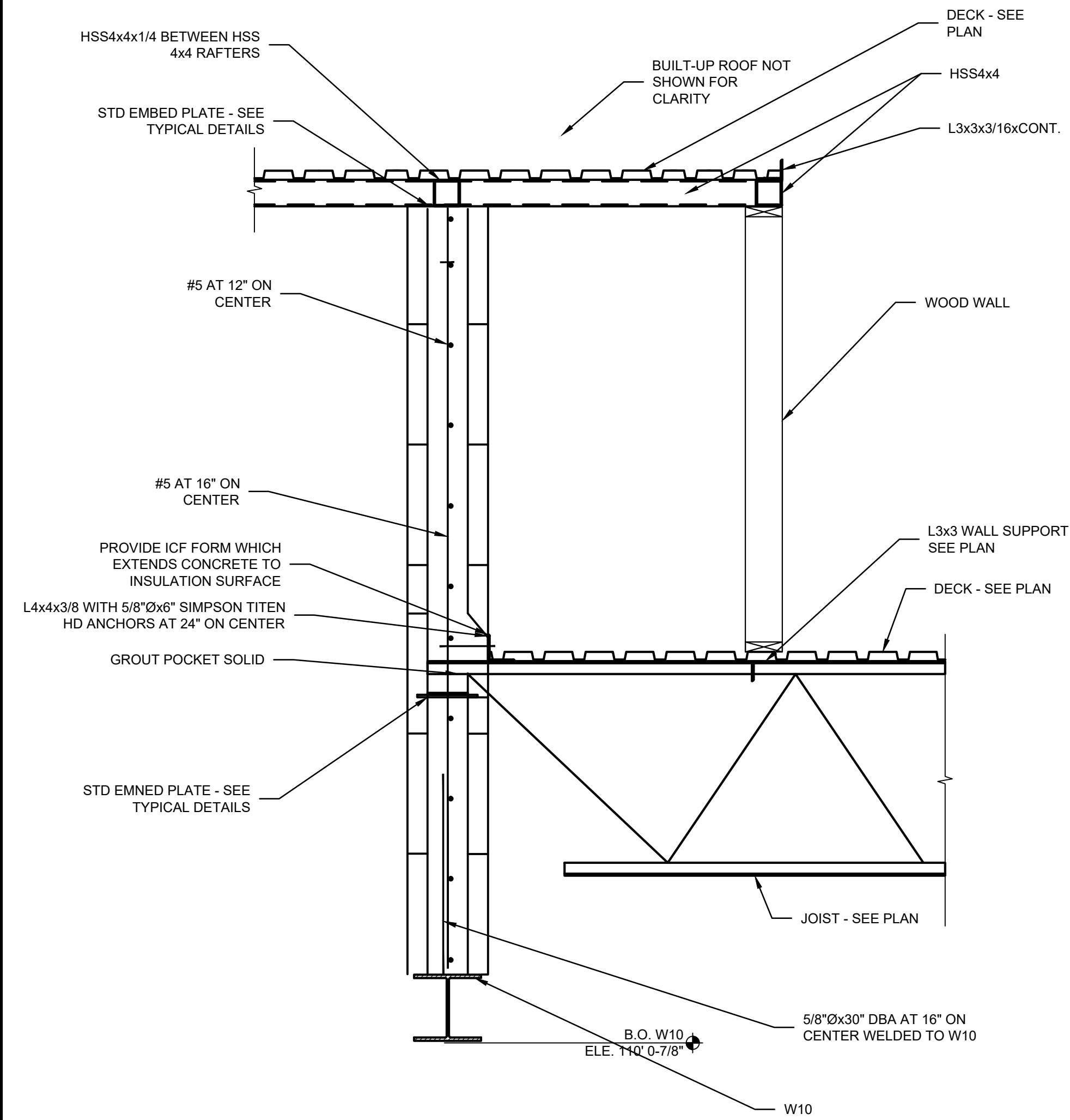
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STRUCTURAL SECTIONS & DETAILS  
**S1.07**

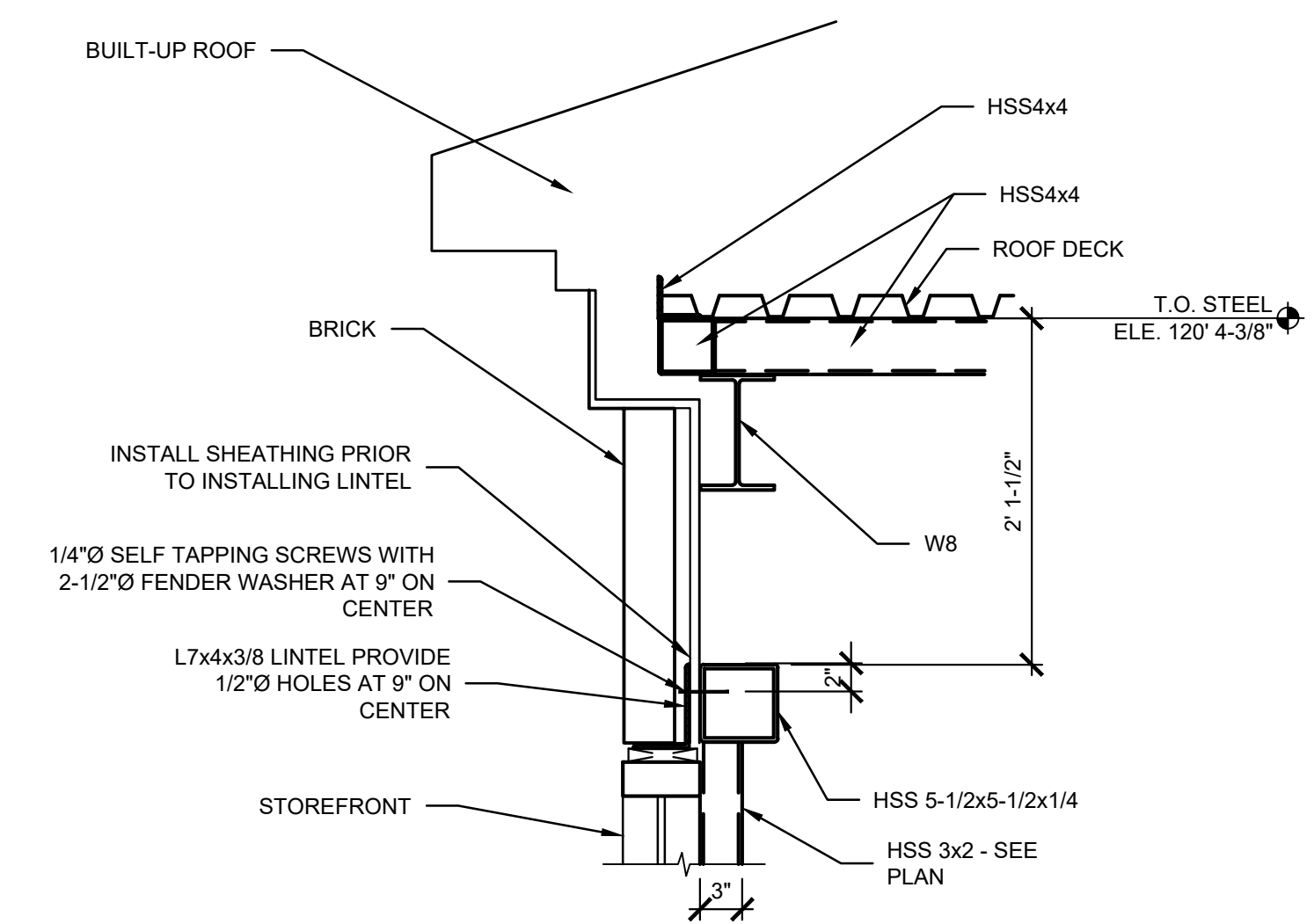
PROJECT: NEWCOMB OIL CO., LLC - FILE: S1.07 Structural Sections & Details.dwg - DATE: Jun 28, 2022 12:7PM - BY: NICK MCCART



**06 SECTION**  
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**08 SECTION**  
SCALE: 3/4" = 1'-0"




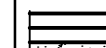
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### WALL LEGEND

-  2x4 WOOD STUD WALL
-  I.C.F. WALLS TO BE INSTALLED MANUFACTURERS RECOMMENDATIONS.

\*ALL MATERIALS ARE SIZES LISTED IN THIS LEGEND UNLESS OTHERWISE DIMENSIONED ON THIS PLAN OR SPECIFIED IN THE DETAILS AT A DIFFERENT SIZE

### GENERAL NOTES:

- A. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. FIELD VERIFY ALL CONDITIONS, QUANTITIES AND MATERIALS. REPORT DISCREPANCIES TO ARCHITECT FOR CLARIFICATION. DO NOT SCALE DRAWINGS.
- B. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL CONSTRUCTION. ALL CONTRACTORS OF ALL DISCIPLINES TO COORDINATE CONSTRUCTION PRIOR TO INSTALLATION.
- C. DIMENSIONS ARE TO THE FINISHED FACE OF STUD, CONCRETE, OR ICF UNLESS NOTED OTHERWISE.
- D. ICF: INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- E. ICF: ALL INTERIOR ICF WALLS TO RECEIVE 1/2" MIN. GYP. BD. (15 MIN. THERMAL BARRIER). GYP. BD. BEHIND COOLERS AND FREEZERS AND IN RESTROOMS SHALL BE MOISTURE AND MOLD RESISTANT GYP. BD.
- F. ICF: SEE STRUCTURAL DRAWINGS FOR REINFORCING DESIGN IN ICF WALLS
- G. CAULK DOOR JAMBS AND INSIDE CORNERS IN CERAMIC TILE WALLS WITH SANDED CAULK TO MATCH THE GROUT COLOR. ALL OTHER DOOR JAMBS AND MARLITE SHALL BE CAULKED WITH SHERWIN WILLIAMS POWER HOUSE 60 YR. COLOR TO MATCH PAINT.
- H. INTERIOR WALLS SHALL BE 2X4 WD STUDS 16" O.C. WITH 1/2" GYP BD. EACH SIDE UNLESS NOTED OTHERWISE. WALLS BEHIND COOLER AND FREEZERS SHALL HAVE MOISTURE AND MOLD RESISTANT GYP. BD. PROVIDE BLOCKING IN WALLS FOR DOOR WALL STOPS.
- I. ALL COOLER DOORS SHALL BE INSTALLED 8" A.F.F.
- J. ALL UNISTRUTS SHALL BE INSTALLED OPEN SIDE UP.
- K. ALL DRYWALL CEILINGS SHALL BE GLUED AND SCREWED.
- L. OWNER SHALL VERIFY THAT GEOTECHNICAL CONDITIONS AND SOIL BEARING CAPACITY MEET THE REQUIREMENTS OF THE "FOUNDATION DESIGN" NOTED IN THE STRUCTURAL DRAWINGS.
- M. FILL ALL TRENCHES UNDER PAVEMENT WITH STONE
- N. ALL PROPERTY CORNER PINS SHALL BE ENCASED IN CONCRETE 12" DEEP, 8" DIAMETER AND SHALL BE FLUSH WITH THE GROUND.
- O. ALL 2X4 AND 2X6 WOOD STUDS SHALL BE #2 SPRUCE ONLY.
- P. CONTRACTOR SHALL POLICE THE SITE AFTER COMPLETION OF THE BRICK TO MAKE SURE ALL BRICK AND MORTAR ARE CLEANED UP FROM THE SITE AND NOT BURIED IN THE FOOTING TRENCHES.
- Q. ONLY USE VANITROLL FOR BRICK CLEANING.
- R. SAND TEXTURED CAULK TO BE USED WHEN CAULKING BRICK EXPANSION JOINTS. CLAY TAN 225-U (LRV -19)
- S. PROVIDE LOW WEEP VENTS IN VENEER MASONRY BRICK. USE 3/8" HONEYCOMB CELL VENT.
- T. CONTROL JOINTS IN EXTERIOR BUILDING CONCRETE SIDEWALKS AND JOINTS IN BLACK CONCRETE SHALL BE TOOLED AND SAW CUT. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
- U. THE JOINT BETWEEN THE BUILDING SIDEWALK AND THE BLACK CONCRETE PAD SHALL BE A CONSTRUCTION JOINT NOT AN EXPANSION JOINT. NO EXPANSION MATERIAL SHALL BE INSTALLED.
- V. NEWCOMB OIL SHALL CHECK WALLS FOR ALIGNMENT, LOCATION OF ELECTRICAL AND PLUMBING AND STRING LINE THE WALLS PRIOR TO DRYWALL BEING INSTALLED.
- W. THE CANOPY CONTRACTOR SHALL INSTALL CANOPY SIGNS. THE BUILDING ELECTRICAL CONTRACTOR SHALL INSTALL THE BUILDING SIGNS.
- X. SEE CIVIL DRAWINGS FOR BOLLARD LOCATION. SEE DETAIL 02/A5.02 FOR BOLLARD DETAIL.

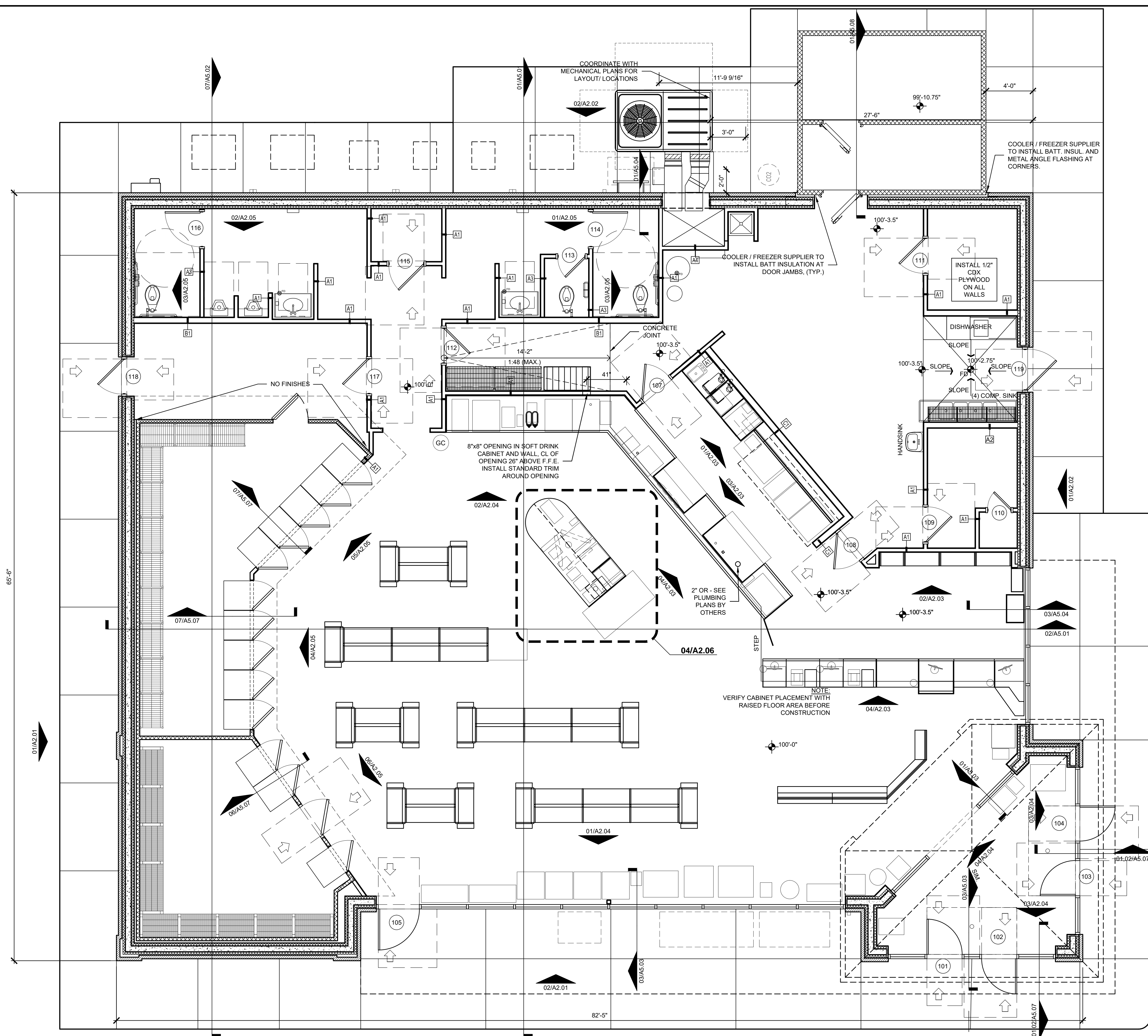


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FLOOR PLAN

**A1.01**



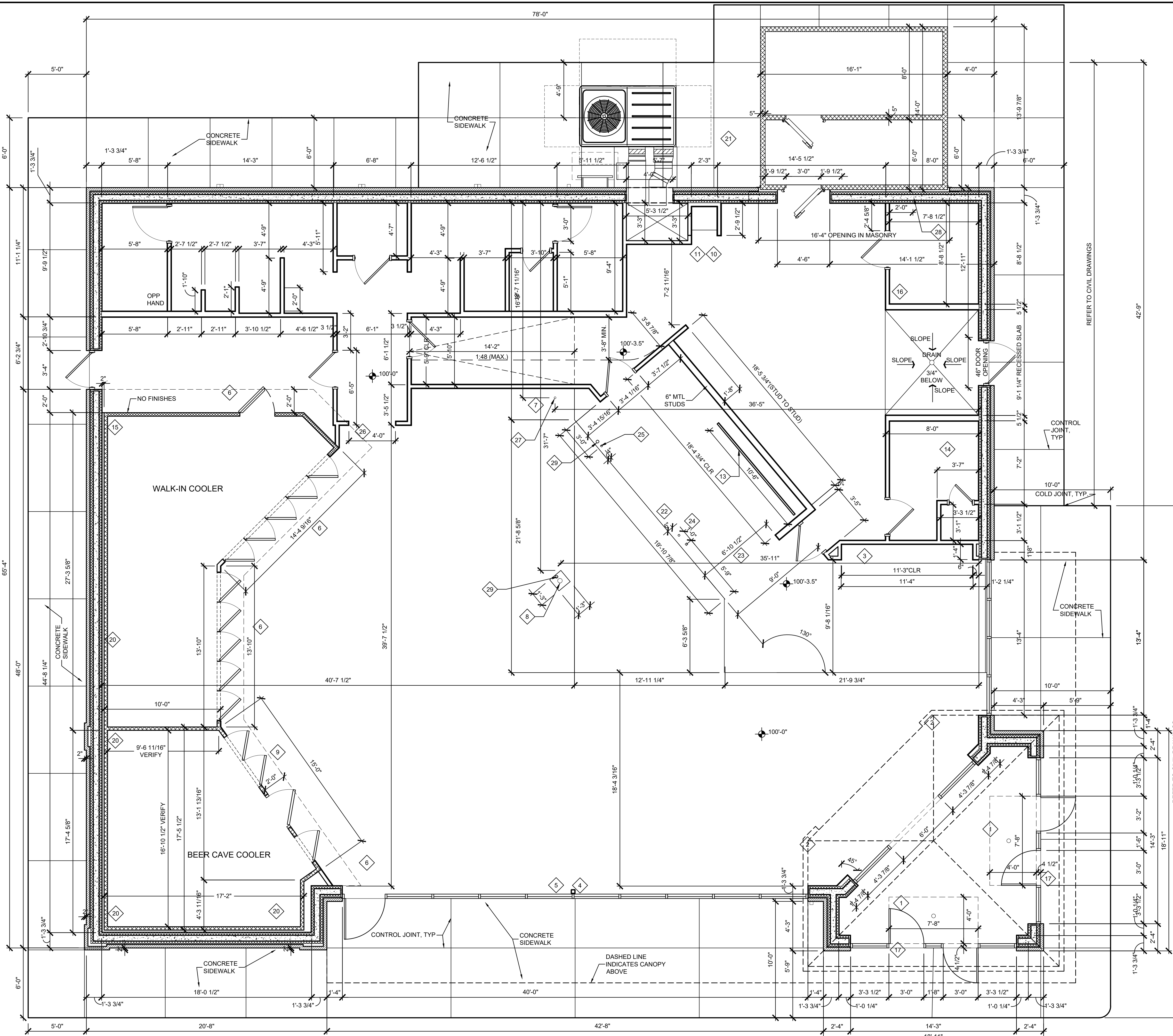
**01 FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



PROJECT: NEWCOMB OIL CO., LLC - FILE: A1.01 Floor Plan.dwg - DATE: Jun 28, 2022 12:8PM - BY: NICK MCCART

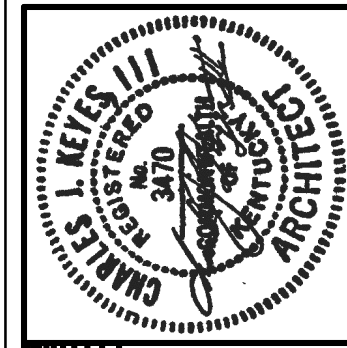
**NOTE:** ALL DIMENSIONS ARE TO FACE OF STUD  
**NOTE:** GENERAL CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL SUB TRADES AND REQUIREMENTS BY OWNER  
**NOTE:** ELECTRICAL, HVAC AND PLUMBING TO BE RELOCATED PER FEDERAL, STATE AND LOCAL CODES. GENERAL CONTRACTOR TO COORDINATE.  
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PROJECT: NEWCOMB OIL CO., LLC - FILE: A1.02 Dimension Floor Plan.dwg - DATE: Jun 28, 2022 12:28PM - BY: NICK MCCART



- SHEET NOTES:**
- McNICHOLS QUALITY DURAGRID PULTRUDED FIBERGLASS GRATING (PART NO. F112106S42) W/ McNICHOLS QUALITY FIBERGLASS EMBEDMENT ANGLE (PART NO. F1FE111520).
  - 2x4 FURRING AROUND PLUMBING VENT.
  - INSTALL A STUD CENTERED ON CLOSET BACK WALL TO SERVE AS VERTICAL BLOCKING FOR OWNER INSTALLED EQUIPMENT.
  - PAINT ALL SURFACE MOUNTED CONDUIT FOR ELECTRICAL BOXES "BLACK".
  - TUBE STEEL COLUMN, PAINT "BLACK". REFER TO STRUCTURAL DRAWINGS.
  - DASHED LINE INDICATES 1" RIGID INSULATION UNDER COOLERS
  - 8x8 OPENING IN SOFT DRINK CABINET AND WALL, CL OF OPENING 32" ABOVE RAMP. INSTALL STANDARD TRIM AROUND OPENING.
  - SLAB OPENING FOR UTILITIES, REFER TO ELEC. AND PLUMB. DRAWINGS VERIFY IN FIELD.
  - 1/4" CEMENT BD. INSTALLED ON COOLERS, REFER TO INTERIOR ELEVATIONS FOR WALL FINISH, (TYP.).
  - RECESSED MOP SINK WITH GRATE, TOP AT FINISH FLOOR. WALLS ON (3) THREE SIDES OF MOP SINK SHALL BE CONC. UP TO 2'-0" A.F.F., REFER TO DETAIL 03/S1.05.
  - INSTALL MARLITE ABOVE MOP SINK UP TO 10'-0", EXTEND MARLITE TO OUTSIDE EDGE OF LONG WALL AND AROUND END OF WING WALL.
  - INSTALL MARLITE UP TO 10'-0", EXTEND MARLITE 8'-0" ALONG WALL AND AROUND END OF WING WALL.
  - INSTALL FLOOR STOP BEHIND DEEP FRYER AND GRIDDLE, FLOOR STOP SHALL BE A 2x2 ALUM. ANGLE 10'-0" LONG BOLTED TO THE FLOOR 12" FROM WALL.
  - 8"x10" AIR GRILLE ABOVE DOOR, INSIDE AND OUTSIDE.
  - WALK-IN COOLER COMBO TO BE PROVIDED BY WALK-IN COOLER MANUFACTURER, WITH SEALED CONCRETE FLOOR (BY G.C. TYP.).
  - INSTALL 1/2" CDX PLYWOOD ON ALL WALLS.
  - REMOVABLE CENTER GLASS AND ALUM. FRAMES THIS DOOR ONLY, REFER TO 01/A6.01.
  - SEE CIVIL DRAWINGS FOR BOLLARD LOCATION. SEE DETAIL 02/A5.02 FOR BOLLARD DETAIL.
  - BOLLARDS, ALIGN WITH L.P. CAGE, REFER TO 02/A5.02 FOR ALIGNMENT. BOLLARDS TO BE SET AWAY FROM SIDEWALK 1".
  - 2" MIN. AIR SPACE REQUIRED BTWN. EXTERIOR WALL AND WALK-IN COOLER, (TYP.).
  - CONCRETE EQUIPMENT PAD.
  - EDGE OF RAISED 3-1/2" CONCRETE FLOOR SLAB
  - POWER SUPPLY
  - COLD WATER SUPPLY
  - OPEN DRAIN
  - CASE OPENING WITH TILE, USE SCHLUTER TILE EDGE
  - FOUNTAIN DRAIN (OR)
  - 2" SLEEVE 9'-0" A.F.F., 2'-0" OFF OF WALL.
  - SPARE 3" CONDUIT TO ELECTRIC ROOM
  - REVIEW CIVIL DRAWINGS BEFORE FORMING OUTSIDE SIDEWALKS, & REVIEW SITE FOR CANOPY SIZE

PROJECT NO: 22-4336  
DRAWN BY: KP/NM/  
DATE: 06-29-2022



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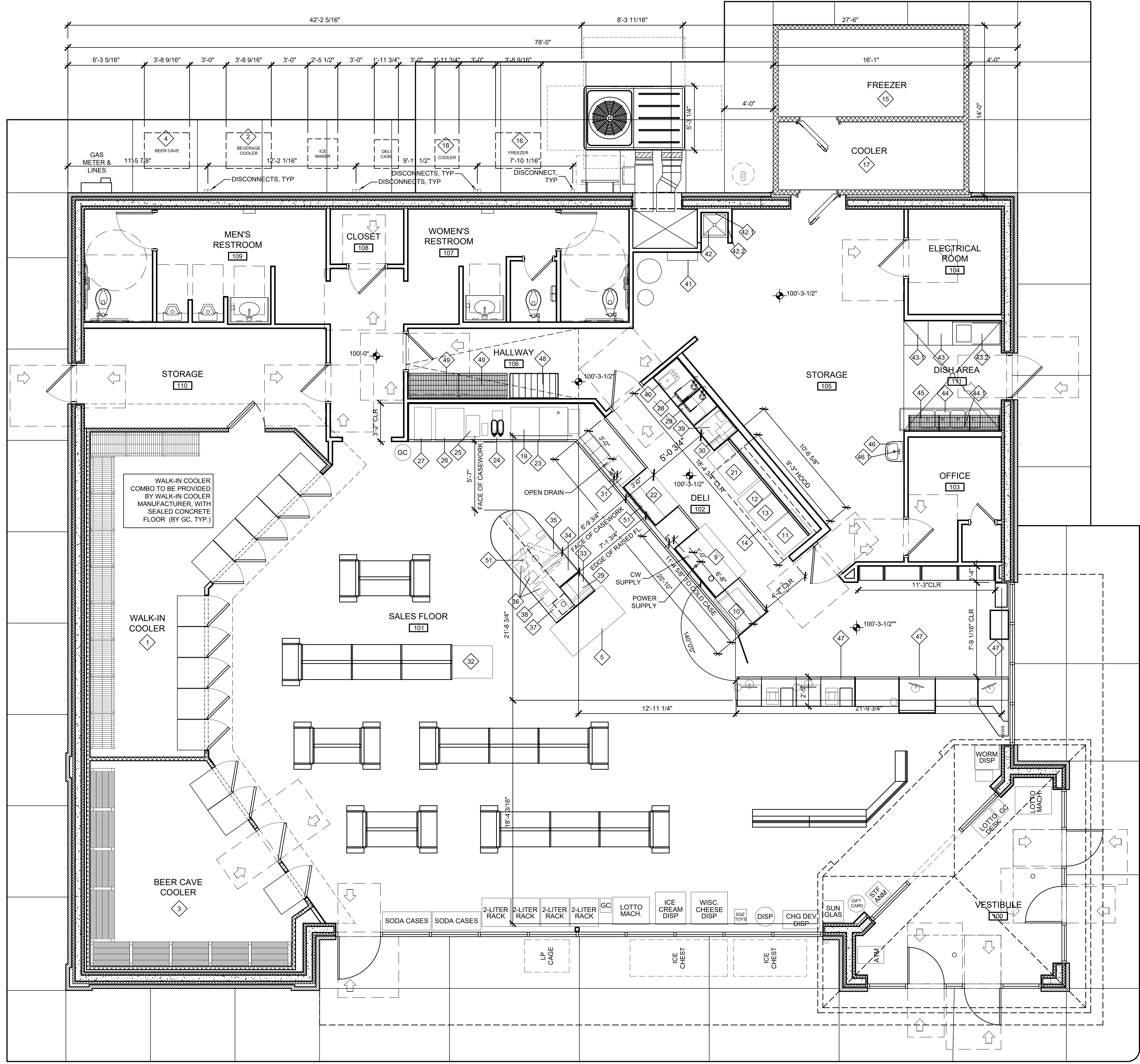
**01 DIMENSION FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

SEE SHEET A1.01 FOR GENERAL NOTES

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DIMENSION FLOOR PLAN  
**A1.02**

EQUIPMENT SCHEDULE							
ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	OFOI	OFCI	CFCI
1	1	WALK-IN COOLER					
2	1	OUTDOOR CONDENSING UNIT					
3	1	BEER CAVE WALK-IN COOLER					
4	1	OUTDOOR CONDENSING UNIT					
5	1	MULTI DECK ISLAND MERCHANDISER	HUSSMAN	0644 R			
6	1	OUTDOOR CONDENSING UNIT					
7	1	NOT USED					
8	1	NOT USED					
9	1	4 WELL HOT FOOD TABLE	DEJFIELD				
10	1	HOT FOOD MERCHANDISER	HATCO	18W-150 WATTS			
11	1	CONVECTION OVEN WITH HOLDING CABINET	MOFFAT	TURBOFAN CE255 W FPM PROTECTOR HOLDER			
12	1	FLOOR MODEL GAS FRYER	PIPCO	SOLSTICE SGI4			
13	1	GRIDDLE	STAR	82TSA			
13.1	1	SS BASE CABINET W ROLLERS					
14	1	EXHAUST HOOD	CAPTIVE ARE				
15	1	WALK-IN FREEZER					
16	1	OUTDOOR CONDENSING UNIT					
17	1	DELI WALK-IN					
18	1	OUTDOOR CONDENSING UNIT					
19	1	REMOTE ICE MAKER (INSTALLED ON FOUNTAIN)	SCOTSMAN	N132R-31A			
20	3	OUTDOOR REMOTE CONDENSER					
21	1	WORKTOP SOLID DOOR FREEZER	TRUE	TWT-48-1IC			
22	2	FOOD PREP TABLE	TRUE	TSSU-48-12			
23	1	SODA FOUNTAIN					
24	1	TEA BREWER					
25	1	FREAL MIXER	FREAL	BLENDER			
26	1	FREAL FREEZER	FREAL	SINGLE DOOR FREEZER			
27	1	FREEZE MACHINE	TAYLOR CROWN				
28	1	COFFEE MAKER					
29	2	MICROWAVE					
30	1	INDUCTION RANGE					
31	1	BAKED GOODS					
32	1	DONUT CASE					
33	1	FRAPP MACHINE	BUNN	ULTRA ZIP BLK			
34	1	CHOC. CAPPU MACHINE	BUNN	MIX-SS-			
35	1	CAPPUCINO MACHINE	BUNN	MIX-SS-			
36	3	BEAN TO COFFEE	BUNN	FAST CUP			
37	1	CREAMER	NESTLE	2 HEAD DISPENSER			
38	1	SUGAR	PERFECT SERVINGS	POWDER DISPENSER			
39	1	PAN CABINET					
40	1	BAND SINK, INTERGAL WITH COUNTERTOP					
41	1	WATER FILTER	PENTAIR	EV987-10 HIGH FLOW CSF QUAD-MC SYSTEM			
42	1	MOP SINK, RECESSED					
42.1	1	FAUCET					
42.2	1	MOP HANGER					
43	1	DISHWASHER					
43.1	1	SIDE TABLE					
43.2	1	BRSE TABLE, INTEGRAL SINK DISPOSAL					
44	1	3 COMPARTMENT SINK	JOHN BOOS	3B14 2D18-16GA			
44.1	1	FAUCET - WALL MOUNTED WITH 1" SWING					
45	1	WALL MOUNT SHELVING (14" X 36")	EAGLE - METAL MASTERS	GW8148VVC			
46	1	BAND SINK - WALL HUNG	MANSFIELD GRAND ISLE	3018BNS VITREOUS CHINA			
46.1	1	FAUCET	AMERICAN STANDARD	RELIANT 3 - 7381-004			
47	3	POS TERMINALS					
48	1	BAG-N-BOX					
49	1	WIRE SHELVING (18" X 36") W/ROLLERS	EAGLE - METAL MASTERS	1888VC			
50	1	WIRE SHELVING (18" X 36") W/ROLLERS	EAGLE - METAL MASTERS	1888VC			
51	4	SUSPENDED TV MONITORS					
52	1						
53	1						



**01** EQUIPMENT & CASEWORK PLAN  
SCALE: 1/4" = 1'-0"



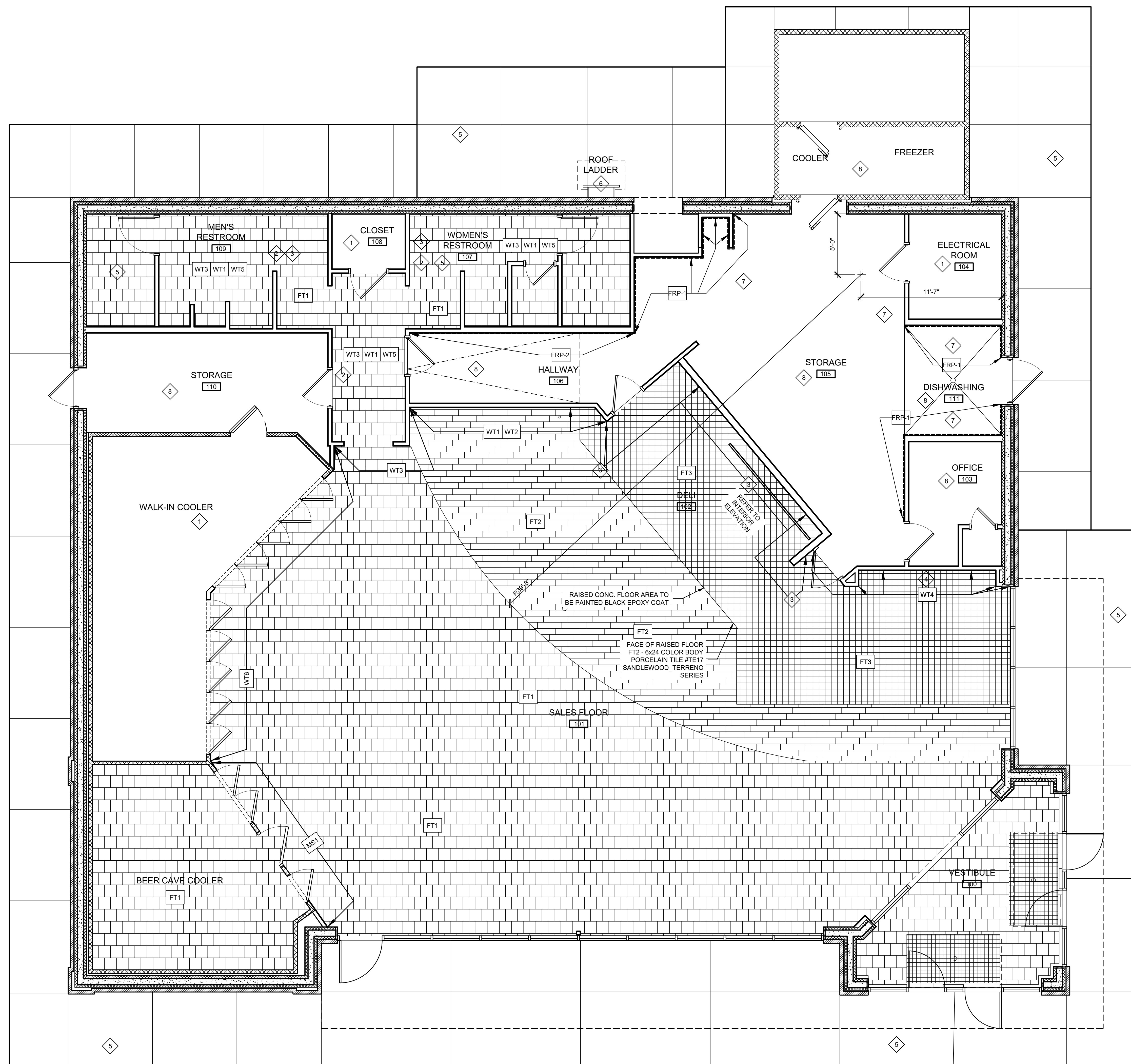
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PROJECT: NEWCOMB OIL CO., LLC - FILE: A1.03 Equipment & Casework Plan.dwg - DATE: Jun 28, 2022 12:58PM - BY: NICK MCCART

PROJECT: NEWCOMB OIL CO., LLC - FILE: A1.04 Finish Plan.dwg - DATE: Jun 28, 2022 12:8PM - BY: NICK MCCART



### FLOOR FINISH SCHEDULE

T-CODES = TILES USED ON FLOORS. WALL TILES MAY BE FOUND ON INTERIOR ELEVATIONS

MAIN TILE FIELD A -	
	FT1 - 12 x 12 PORCELAIN STONE TILE / #VL78 - ACCENT BROWN WITH 3/16" GROUT LINES - BRICKWORK PATTERN WITH #145 LIGHT SMOKE SANDED GROUT.
MAIN TILE FIELD B -	
	FT2 - 6 X 24 COLORBODY PORCELAIN TILE / #HH03 TEAK WITH 3/16" GROUT LINES - WITH #59 SADDLE BROWN SANDED GROUT.
MAIN TILE FIELD C -	
	FT3 - 6 X 6 PAVER 0096 CHARCOAL STD 0096661P - WITH POLY LEND PLUS LIGHT SMOKE SANDED GROUT

NOTE:  
 1. TILE TO RUN CONTINUOUS UNDER CABINETS.  
 2. "GROUT BOOST" TO BE USED TO MIX GROUT INSTEAD OF WATER.

### SHEET NOTES:

1. APPLY "MASTERKURE HD 200WB", ON FLOORS WHERE NOTED.
2. THROUGHOUT RESTROOM AREA, REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
3. REFER TO INTERIOR ELEVATIONS
4. NO TILE BEHIND SHELVING.
5. APPLY "MASTERKURE ND 200WB" TO ALL EXTERIOR SIDEWALKS, EQUIPMENT PADS AND DUMPSTER PADS.
6. PAINT ROOF LADDER.
7. PAINT WALL PER INTERIOR FINISH SCHEDULE - SEE A3.04 FOR MORE INFORMATION
8. EPOXY COATED FLOORS, WHERE NOTED.

PROJECT NO:  
22-4336  
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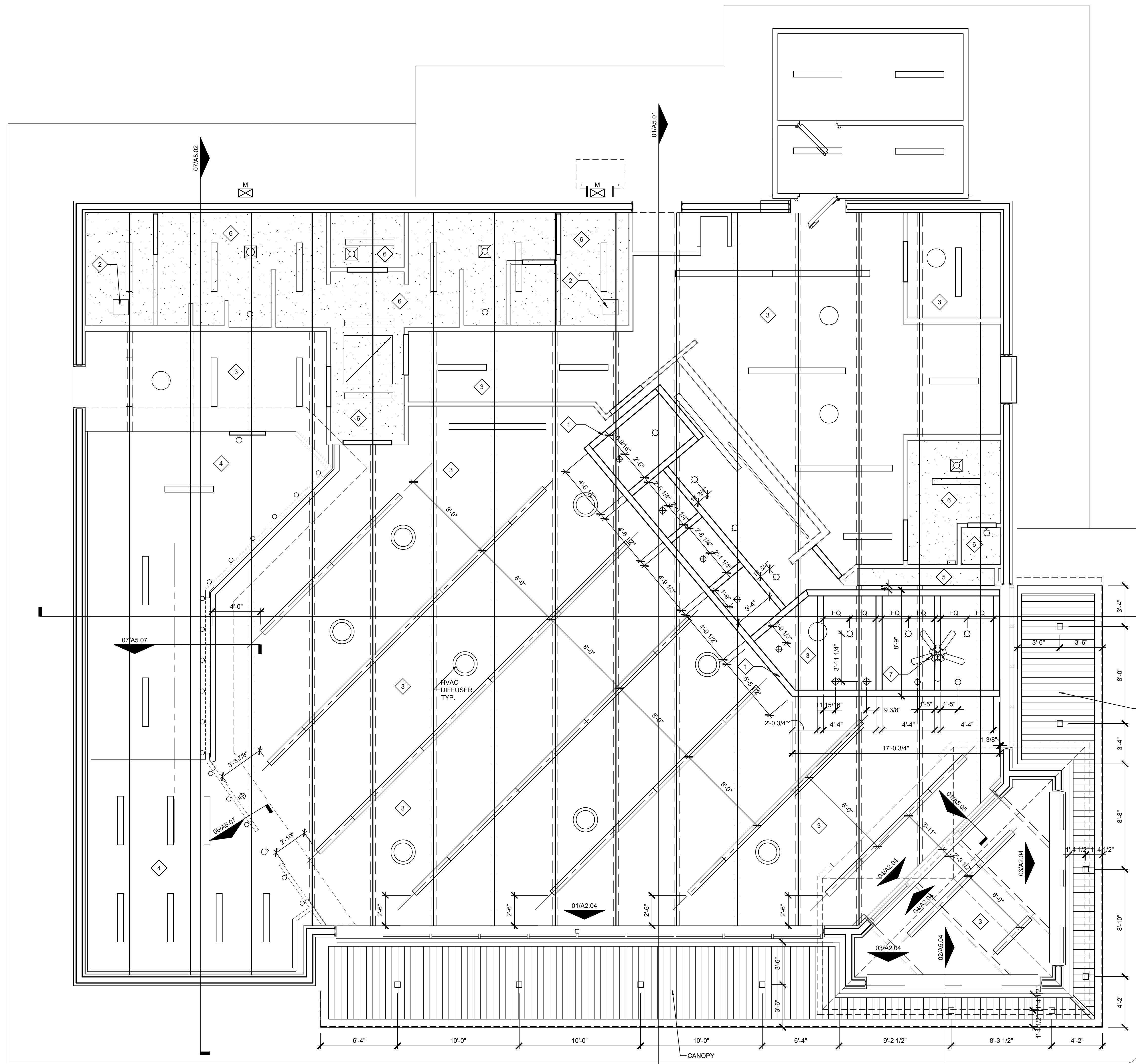


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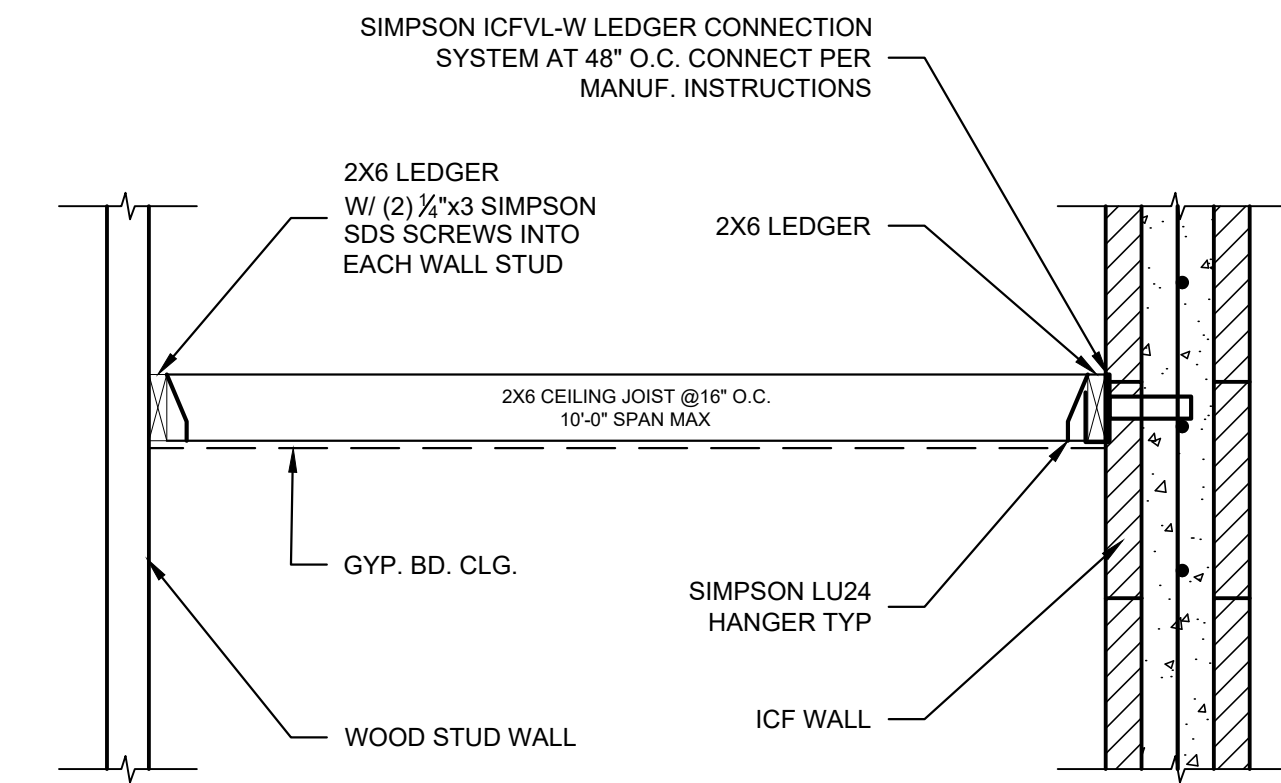
**01** FINISH FLOOR PLAN  
 SCALE: 1/4" = 1'-0"

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**SHEET NOTES:**

- 1 CEDAR WOOD BEAMS: BEAMS SHALL BE SEALED WITH CLEAR SEALER. TOPS OF CEDAR BEAMS SHALL BE SANDED BEFORE INSTALLATION. SUSPENSION RODS SHALL BE PAINTED TO MATCH THE CEILING. STEEL CONNECTOR PLATES SHALL BE PAINTED BLACK. REFER TO STRUCTURAL DRAWINGS FOR STEEL CONNECTOR PLATES.
- 2 24"x24" HIGH PLYWOOD DOOR WITH HINGES, HANDLE AND SLIDE BOLT TO ACCESS THE AREA ABOVE THE RESTROOM. TRIM WITH 1x TRIM, PAINT ALL.
- 3 OPEN TO STRUCTURE.
- 4 OPEN TO STRUCTURE ABOVE COOLERS.
- 5 GYP. BD. CEILING @ 10'-0" A.F.F.
- 6 GYP. BD. CEILING @ 9'-6" A.F.F.
- 7 CEILING FAN IN CASHIER AREA



**02 GYP. BD. CLNG. FRAMING**  
SCALE: 3/4" = 1'-0"

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

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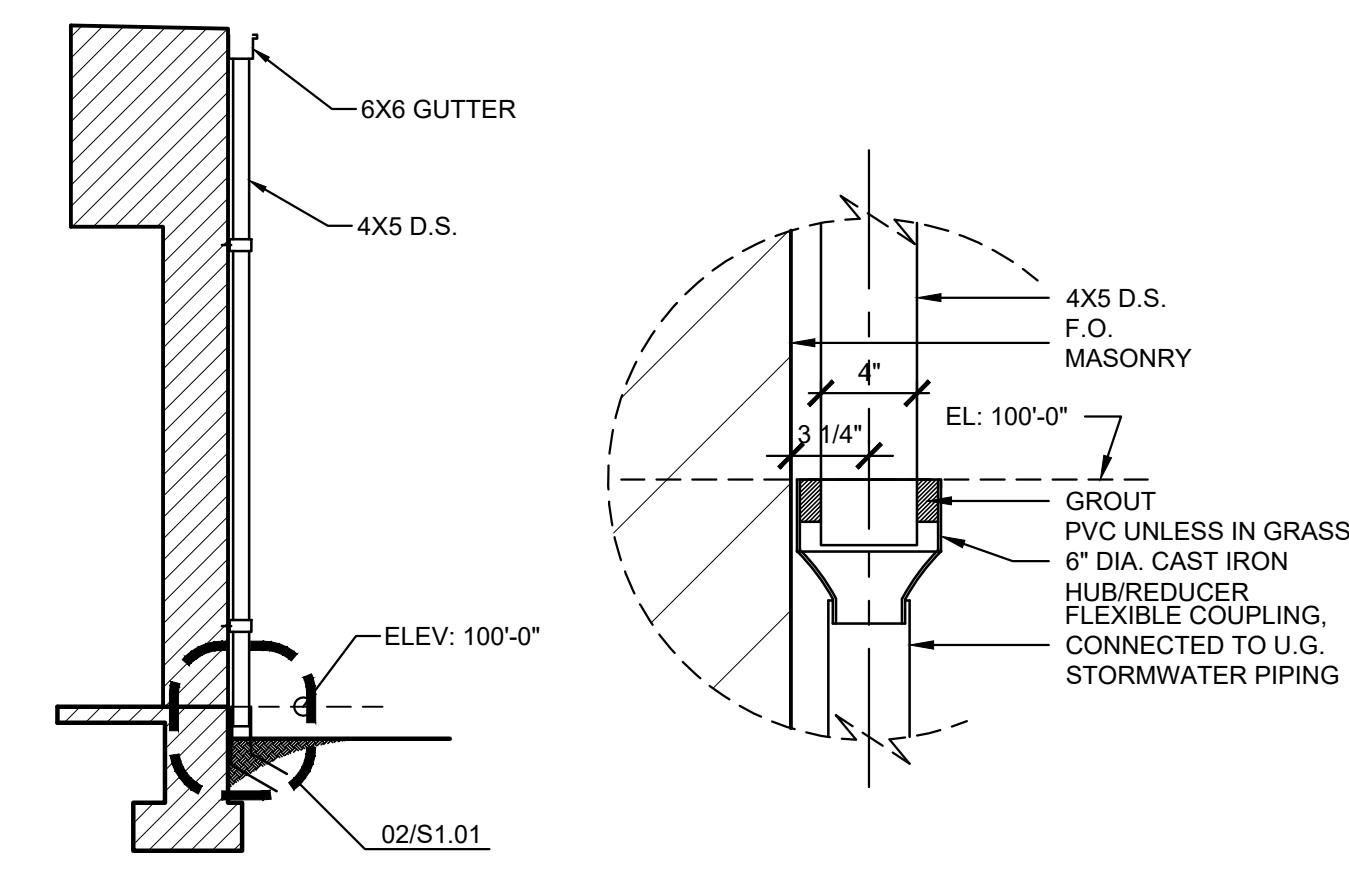
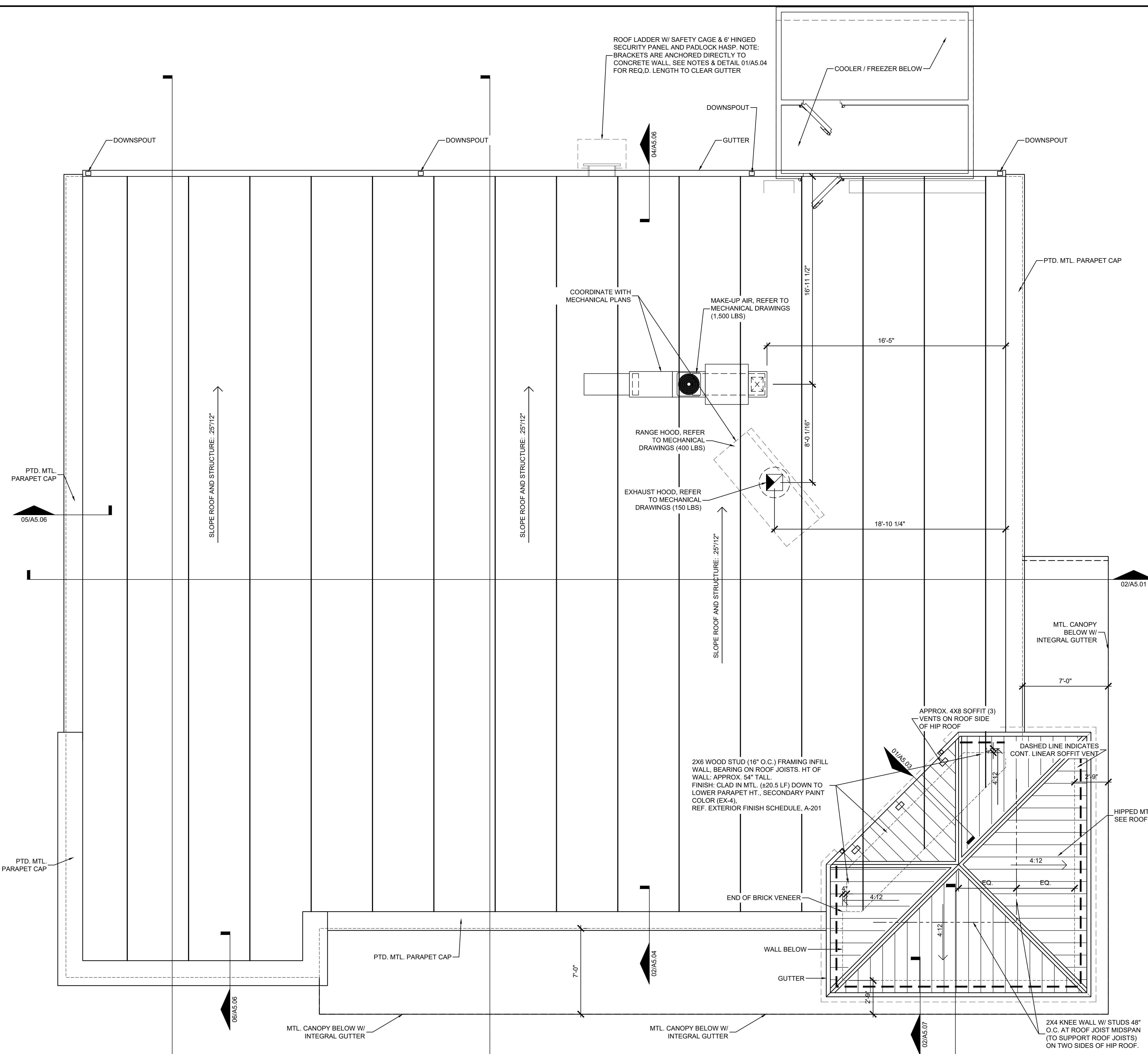
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REFLECTED CEILING PLAN  
**A1.05**

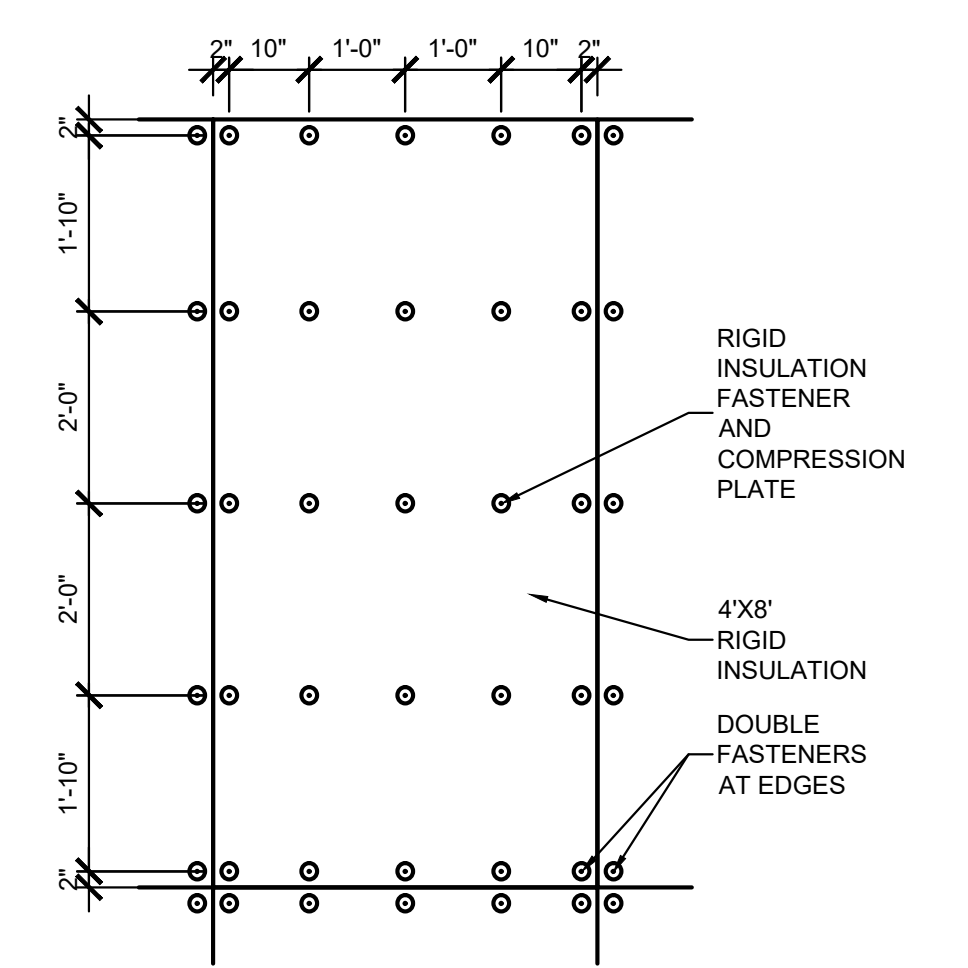


**ROOF NOTES:**

- A. ROOF MEMBRANE: SINGLE PLY PVC 60 MIL. MEMBRANE, COLOR: WHITE. FULLY ADHERED. BASIS OF DESIGN: DURO-LAST (WITH SUPREME 15-YEAR NDL WARRANTY) OR APPROVED EQUAL.
- B. ROOF DESIGN MIN. R-VALUE: R-30. PROVIDE ROOF INSULATION TO MEET MIN. DESIGN R-VALUE.
- C. METAL ROOF: 1.5" MINI BATTEN BY METAL SALES' STANDING SEAM ROOF. 24GA. KYNAR FINISH (COLOR: #PATRIOT RED. CONFIRM FINAL COLOR WITH OWNER) OVER 30# FELT (40 MIL MIN. THICKNESS SELF-ADHERING MEMBRANE MAY BE USED IN PLACE OF FELT) OVER ROOF SHEATHING. PROVIDE LINEAR SOFFIT VENTS ON NON ROOF SIDES. ON ROOF SIDE, PROVIDE (2) RECT. ALUM. SOFFIT VENTS, PTD. TO MATCH ADJACENT METAL COLOR.
- D. GUTTERS AND DOWNSPOUTS: SEE ELEVATIONS AND DETAILS FOR ADDITIONAL INFORMATION. ALL DOWNSPOUTS TO BE ROUTED BELOW GRADE. REFER TO CIVIL FOR ADDITIONAL INFORMATION.
- E. ROOF LADDER: CONFIRM ACCESS LADDER TO BE USED WITH OWNER.
- F. REFER TO MEP DRAWINGS FOR ADDITIONAL NOTES FOR MEP ROOF WORK.
- G. USE GUTTER SEALANT "GEOCELL 2315LRP" WWW.GEOCELLUSA.COM. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ALL JOINTS, BULGES, CRACKS AND SEAMS SHALL TO BE LESS THAN 1/4". REINFORCING MESH NOT REQUIRED.
- H. GUTTERS SEGMENTS MUST LAP A MINIMUM OF 3".
- I. GUTTERS SHALL BE TESTED FOR LEAKS BY DAMNING ALL DOWNSPOUTS AND FILLING GUTTERS WITH 2" (APPROX.) OF WATER.



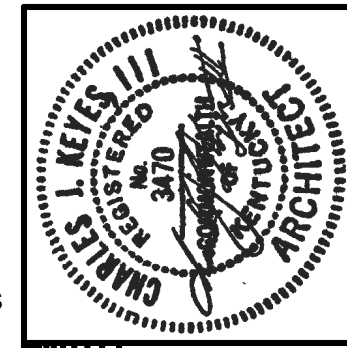
**02 DOWNSPOUT DETAIL**  
SCALE: 1-1/2" = 1'-0"



**03 FASTNER PATTERN**  
SCALE: 1-1/2" = 1'-0"

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

- COMPLETE LOADS FOR UPPER ROOF @ JOISTS:
- 1 THE ENTRANCE ELEMENT ROOF IS SPREAD EVENLY BY THE KNEE WALL AT 277# PER LINEAR FOOT FOR THE WALL ON THE ROOF DECK.
  - 2 AT THE FIRST JOIST (IF IT ISN'T MOVED) THE ROOF DECK SHOULD BE BRINGING A POINT LOAD OF 1108#
  - 3 AT THE SECOND JOIST AS LAID OUT, THE POINT LOAD IS 2216#
  - 4 AT THE THIRD JOIST BACK AS LAID OUT, THE POINT LOAD IS 1385#

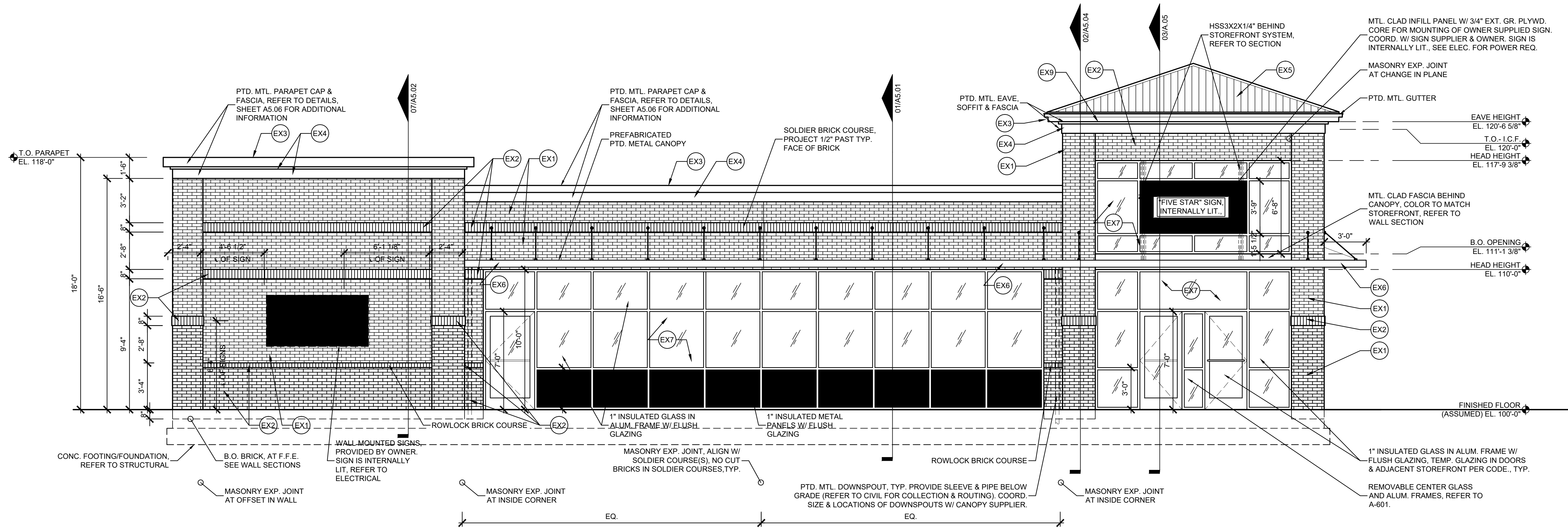


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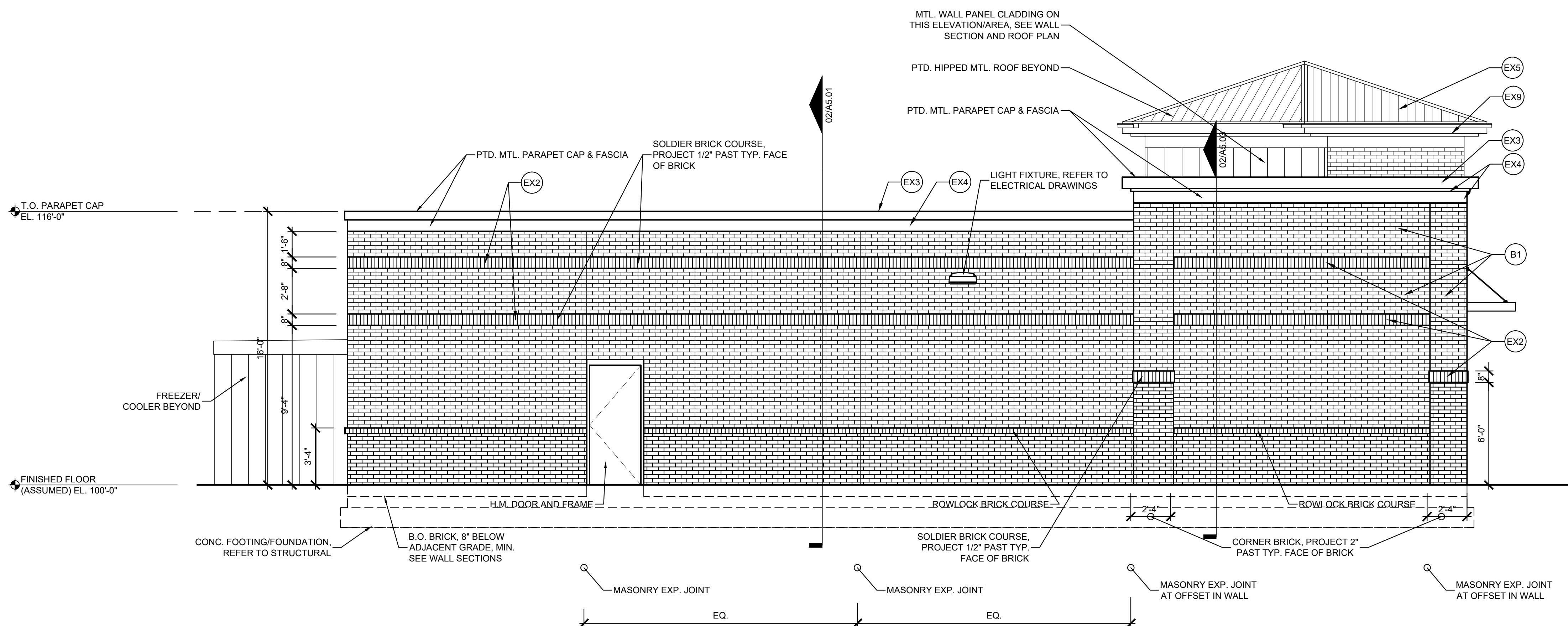
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PROJECT: NEWCOMB OIL CO., LLC - FILE: A1.06 Roof Plan.dwg - DATE: Jun 28, 2022 12:38PM - BY: NICK MCCART



**02 ELEVATION**  
SCALE: 1/4" = 1'-0"



**01 ELEVATION**  
SCALE: 1/4" = 1'-0"

**EXTERIOR FINISH SCHEDULE**

CODE	DESCRIPTION	COLOR/TYPE	MANUFACTURER NOTES
EX1	EXTERIOR BRICK	COLOR "CHARLESTON WELINGTON" TYPE: MODULAR BRICK	SIoux CITY
EX2	EXTERIOR BRICK	COLOR "WHITE PLAINS" TYPE: MODULAR BRICK	SIoux CITY
EX3	METAL PARAPET CAP (RED)	COLOR #PATRIOT RED (METALLIC)	METAL SALES
EX4	METAL FASCIA (GREY)	TYPE: 24GA. KYNAR FINISH COLOR #MYSTIC PLUS	METAL SALES
EX5	METAL ROOF (RED)	TYPE: 24GA. KYNAR FINISH COLOR #PATRIOT RED (METALLIC)	METAL SALES
EX6	METAL CANOPY (RED) (DECKING&D S., GREY)	TYPE: 24GA. KYNAR FINISH COLOR #PATRIOT RED METALLIC COLOR #MYSTIC PLUS	TENNESSEE VALLEY METALS GALVANIZED
EX7	ALUMINIUM STOREFRONT	SEE NOTES BELOW	
EX8	ALUMINIUM STOREFRONT	SEE NOTE #9 BELOW FOR EX#8	
EX9	SOFFIT PANEL (LINEN WHITE)	TYPE: METAL SALES V GROOVE 12 (26 GA) COLOR # GR50-KYNAR LINEN WHITE	METAL SALES
GLAZING		SEE NOTES BELOW	
	INSULATED MTL. PANEL	SEE NOTES BELOW	

**EXTERIOR ELEVATIONS GENERAL NOTES**

- PROVIDE MATERIAL COLOR & FINISH SAMPLES FOR APPROVAL (BY OWNER)
  - PROVIDE LOW WEEP VENTS IN VENEER MASONRY, 24" O.C. MAX. USE 3/8" HONEYCOMB VENT CLASS 50 SPECIFICATIONS
  - MASONRY EXPANSION JOINTS: PROVIDE SANDED SEALANT (MATCH MORTAR) W/ COMPRESSIBLE BACKER. SEALANT TO COMPLY W/ ASTM C290.
  - SIGNAGE: COORDINATE SIGN SIZE, POWER REQUIREMENTS, AND LAYOUT WITH SUPPLIER PRIOR TO INSTALLATION OF STOREFRONT.
  - CANOPY: REFER TO STRUCTURAL FOR REQUIRED LOADING. CANOPY & DOWNSPOUTS SHOWN FOR REFERENCE. FINAL DESIGN & DETAILING BY CANOPY SUPPLIER. SUBMIT TO OWNER FOR APPROVAL.
  - ALL DOWNSPOUTS TO BE SLEEVED AND ROUTED BELOW GRADE. COORDINATE WITH CIVIL FOR COLLECTION AND MANAGEMENT OF WATER ON SITE.
  - GUTTERS SHALL BE TESTED FOR LEAKS BY DAMMING ALL DOWNSPOUTS AND FILLING GUTTERS WITH 2" (APPROX.) OF WATER.
  - REFER TO FINISH SCHEDULE FOR HM DOOR AND FRAME PAINT COLORS.
  - BOTTOM ALUMINIUM SILL SHALL MEASURE 4'-12 1/8" INSTEAD OF 2'-11 1/4". THIS IS TO ALLOW THE TILE ON THE RAISED FLOOR TO BUTT UP AGAINST THE SILL INSTEAD OF HAVING A TILE GAP ISSUE.
- ALUMINIUM STOREFRONT: AS MANUFACTURED BY TRULITE  
2" X 4-1/2" THERMALLY BROKEN, DARK BRONZE ANODIZED, CENTER GLAZED
- INSULATED GLASS:  
1" INSULATED, SOLAR BRONZE, (HEAT STRENGTHENED) OVER "GUARDIAN SUNGLAZER 99-68", FULLY TEMPERED BOTH LIGHTS AS REQUIRED BY CODE.
- INSULATED PANELS:  
1" INSULATED, DARK BRONZE, "CITADEL, GLAZE GUARD 1000 W/RT" + P/RE-FINISHED TEXTURED ALUMINIUM SKINS .010", HIGH DENSITY POLYPROPYLENE STABILIZERS, EXPANDED POLYSTYRENE FOAM (EPS) CORE 5/8"



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EXTERIOR ELEVATIONS

**A2.01**

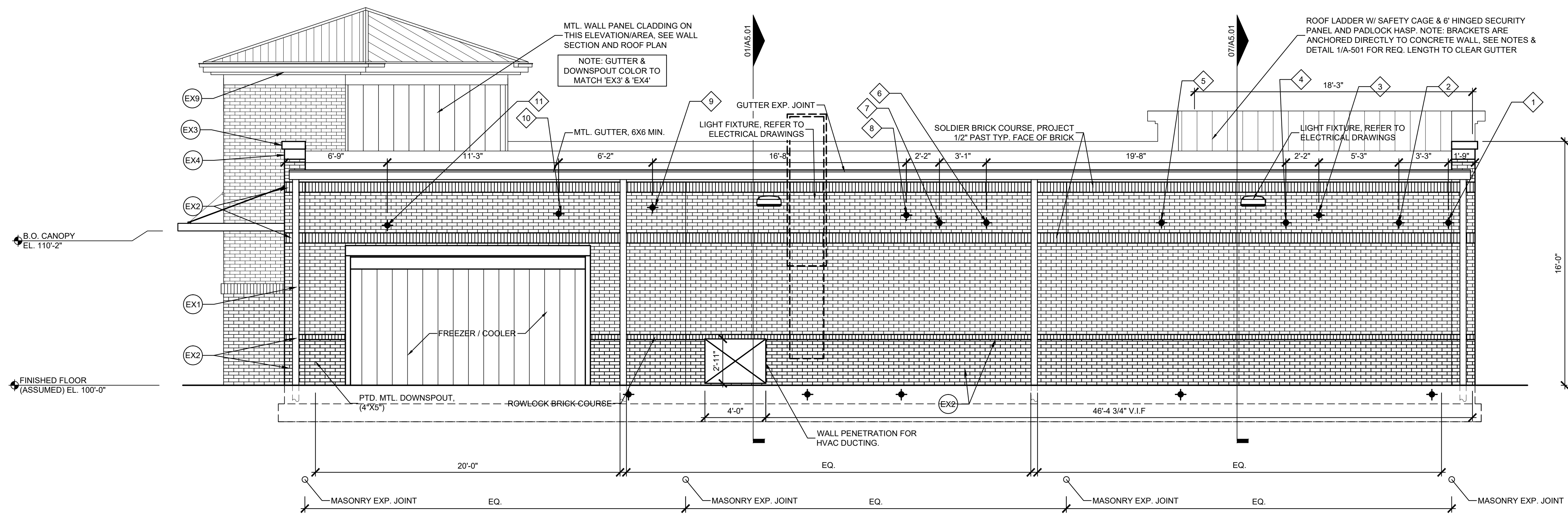
PROJECT: NEWCOMB OIL CO., LLC - FILE: A2.02 Exterior Elevations.dwg - DATE: Jun 28, 2022 12:38PM - BY: NICK MCCART

**SHEET NOTES:**

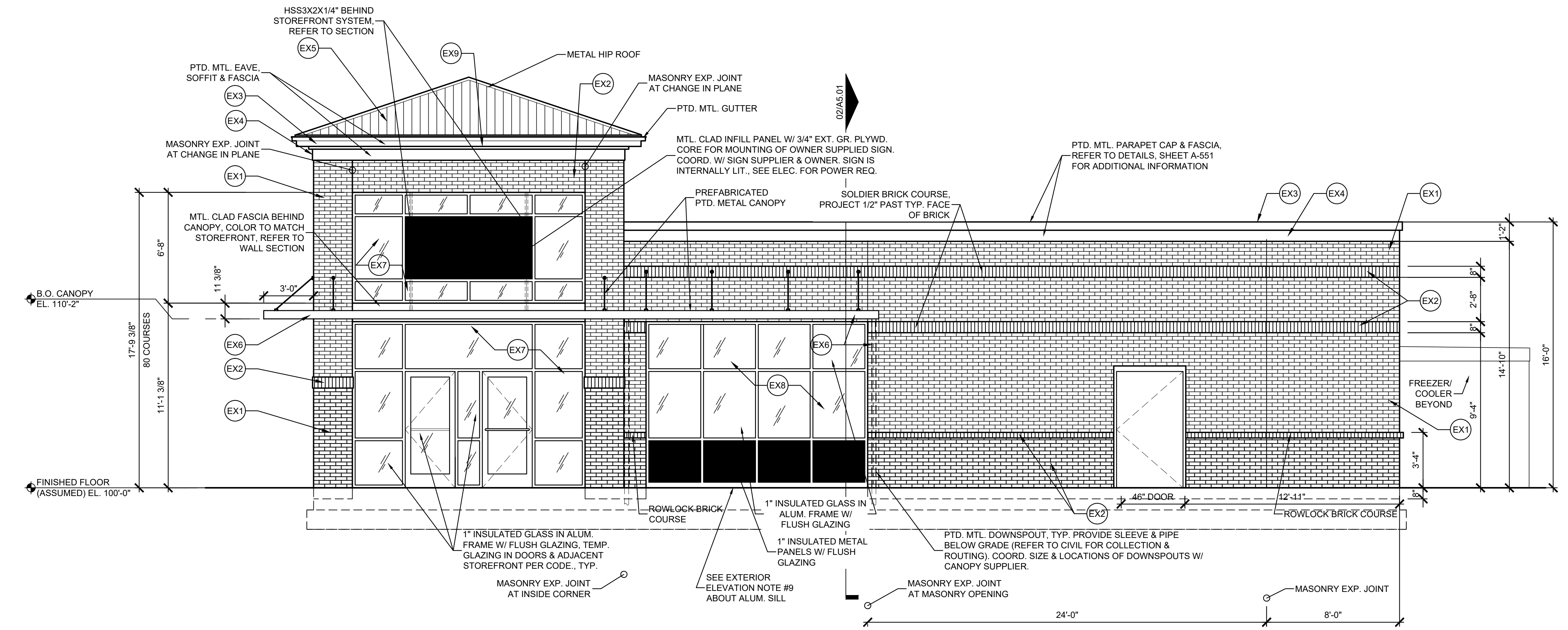
- 1 3" SLEEVE - GAS 11'-8" A.F.F.
- 2 4" SLEEVE 10'-8" A.F.F.
- 3 8" SLEEVE 11'-2" A.F.F.
- 4 4" SLEEVE 10'-8" A.F.F.
- 5 4" SLEEVE 10'-8" A.F.F.
- 6 4" SLEEVE 10'-8" A.F.F.
- 7 4" SLEEVE 10'-8" A.F.F.
- 8 8" SLEEVE 11'-2" A.F.F.
- 9 2" SLEEVE - GAS 11'-8" A.F.F.
- 10 8" SLEEVE 11'-3" A.F.F. CONCENTRIC VENT WATER HEATER
- 11 2" SLEEVE - IT - 10'-6" A.F.F.
- 12 6" SLEEVES THRU FOUNDATION WALL (5 PLACES)

NOTE SYMBOL

PROJECT NO:  
22-4336  
DRAWN BY:  
KP/NM/  
DATE:  
06-29-2022



**02 ELEVATION**  
SCALE: 1/4" = 1'-0"



**01 ELEVATION**  
SCALE: 1/4" = 1'-0"

**EXTERIOR FINISH SCHEDULE**

CODE	DESCRIPTION	COLOR/TYPE	MANUFACTURER NOTES
EX1	EXTERIOR BRICK	COLOR: "CHARLESTON WELLINGTON" TYPE: MODULAR BRICK	SIoux CITY
EX2	EXTERIOR BRICK	COLOR: "WHITE PLAINS" TYPE: MODULAR BRICK	SIoux CITY
EX3	METAL PARAPET CAP (RED)	COLOR: #PATRIOT RED (METALLIC)	METAL SALES
EX4	METAL FASCIA (GREY)	TYPE: 24GA. KYNAR FINISH COLOR: #MYSTIC PLUS	METAL SALES
EX5	METAL ROOF (RED)	COLOR: #PATRIOT RED (METALLIC)	METAL SALES
EX6	'TEE' PANEL: STANDING SEAM ROOF	TYPE: 24GA. KYNAR FINISH	
EX6	METAL CANOPY (RED)	COLOR: #PATRIOT RED METALLIC	TENNESSEE VALLEY METALS
EX6	(DECKING&D.S., GREY)	COLOR: #MYSTIC PLUS	GALVANIZED
EX7	ALUMINIUM STOREFRONT	SEE NOTES BELOW	
EX8	ALUMINIUM STOREFRONT	SEE NOTE #9 BELOW FOR EX#8	
EX9	SOFFIT PANEL (LINEN WHITE)	TYPE: METAL SALES V GROOVE 12 (26 GA) COLOR: #GR50-KYNAR LINEN WHITE	METAL SALES
	GLAZING	SEE NOTES BELOW	
	INSULATED MTL PANEL	SEE NOTES BELOW	

**EXTERIOR ELEVATIONS GENERAL NOTES**

1. PROVIDE MATERIAL COLOR & FINISH SAMPLES FOR APPROVAL (BY OWNER)
  2. PROVIDE LOW WEEP VENTS IN VENEER MASONRY, 24" O.C. MAX. USE 3/8" HONEYCOMB VENT CLASS 50 SPECIFICATIONS.
  3. MASONRY EXPANSION JOINTS: PROVIDE SANDED SEALANT (MATCH MORTAR) W/ COMPRESSIBLE BACKER, SEALANT TO COMPLY W/ ASTM C290.
  4. SIGNAGE: COORDINATE SIGN SIZE, POWER REQUIREMENTS, AND LAYOUT WITH SUPPLIER PRIOR TO INSTALLATION OF STOREFRONT.
  5. CANOPY: REFER TO STRUCTURAL FOR REQUIRED LOADING. CANOPY & DOWNSPOUTS SHOWN FOR REFERENCE. FINAL DESIGN & DETAILING BY CANOPY SUPPLIER. SUBMIT TO OWNER FOR APPROVAL.
  6. ALL DOWNSPOUTS TO BE SLEEVED AND ROUTED BELOW GRADE. COORDINATE WITH CIVIL FOR COLLECTION AND MANAGEMENT OF WATER ON SITE.
  7. GUTTERS SHALL BE TESTED FOR LEAKS BY DAMMING ALL DOWNSPOUTS AND FILLING GUTTERS WITH 2" (APPROX.) OF WATER.
  8. REFER TO FINISH SCHEDULE FOR HM DOOR AND FRAME PAINT COLORS.
  9. BOTTOM ALUMINIUM SILL SHALL MEASURE 4-13/16" INSTEAD OF 2-1/4". THIS IS TO ALLOW THE TILE ON THE RAISED FLOOR TO BUTT UP AGAINST THE SILL INSTEAD OF HAVING A TILE-GAP ISSUE.
- ALUMINIUM STOREFRONT: AS MANUFACTURED BY TRULITE  
2" X 4-1/2" THERMALLY BROKEN, DARK BRONZE ANODIZED, CENTER GLAZED
- INSULATED GLASS:  
1" INSULATED, SOLAR BRONZE, (HEAT STRENGTHENED) OVER "GUARDIAN SUNGUARD SN-68", FULLY TEMPERED BOTH LIGHTS AS REQUIRED BY CODE.
- INSULATED PANELS:  
1" INSULATED, DARK BRONZE, "CITADEL GLAZE GUARD 1000 WR" - PRE-FINISHED TEXTURED ALUMINIUM SKINS .010", HIGH DENSITY POLYPROPYLENE STABILIZERS, EXPANDED POLYSTYRENE FOAM (EPS) CORE .50"



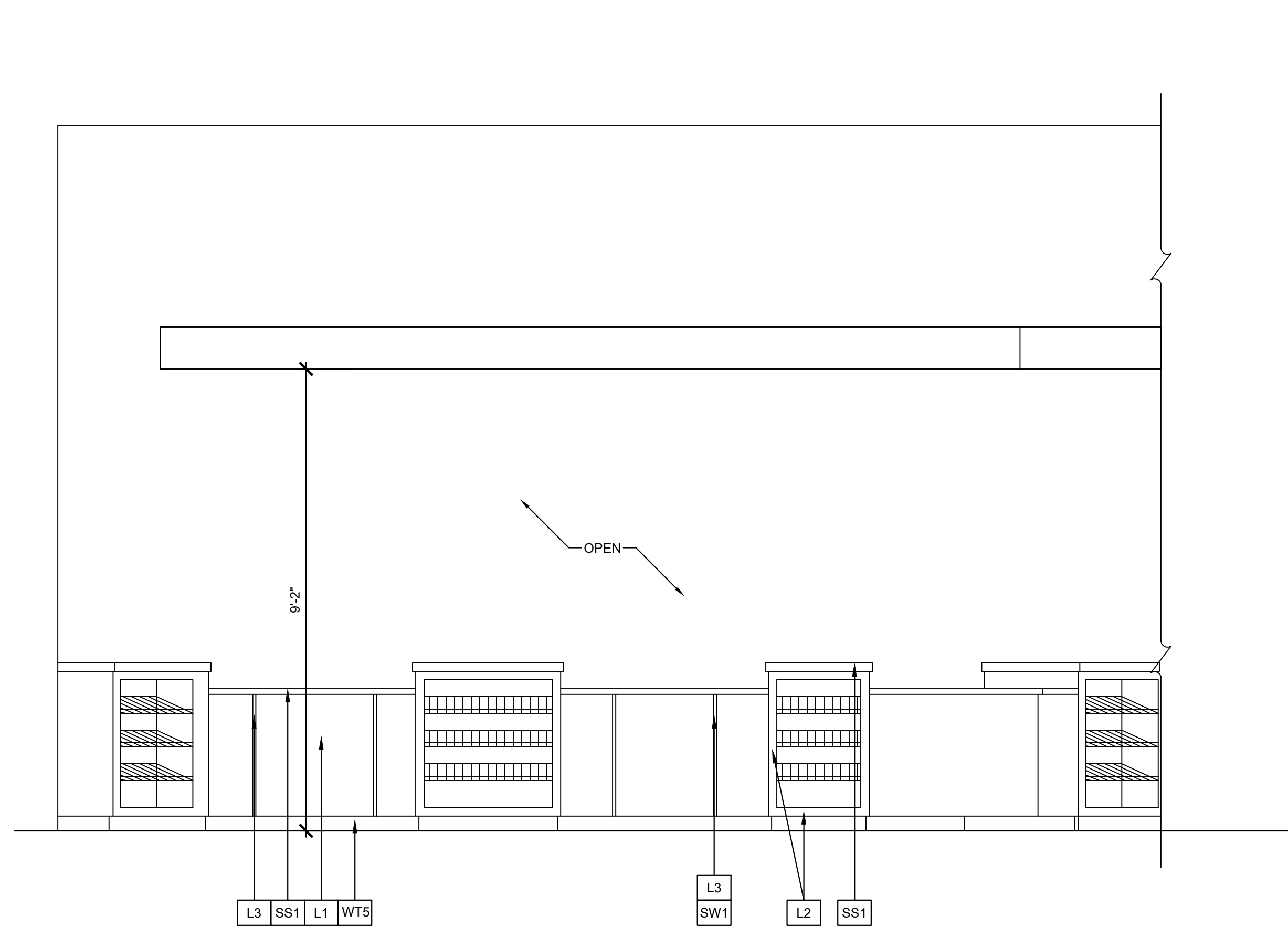
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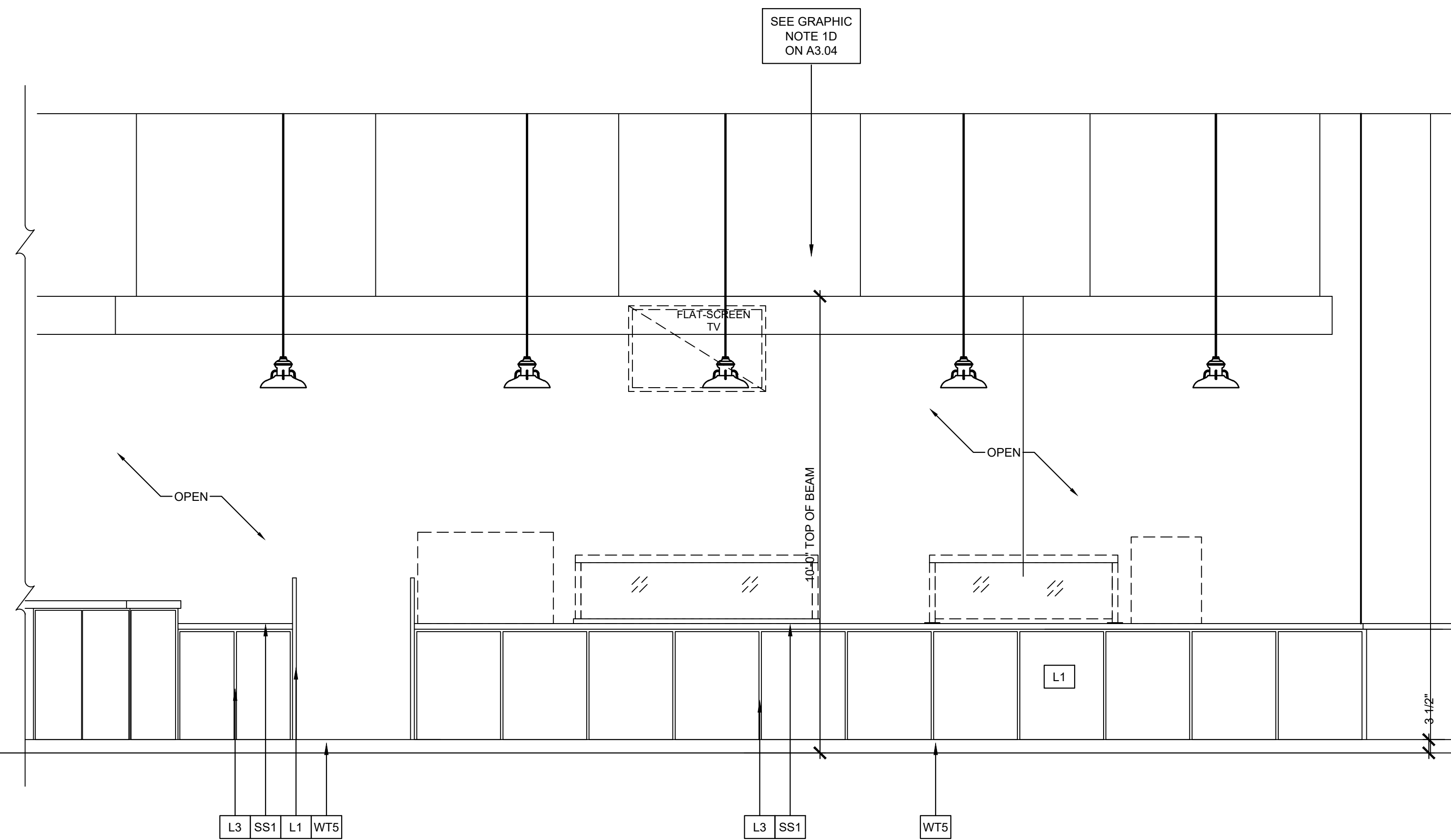
EXTERIOR ELEVATIONS

**A2.02**



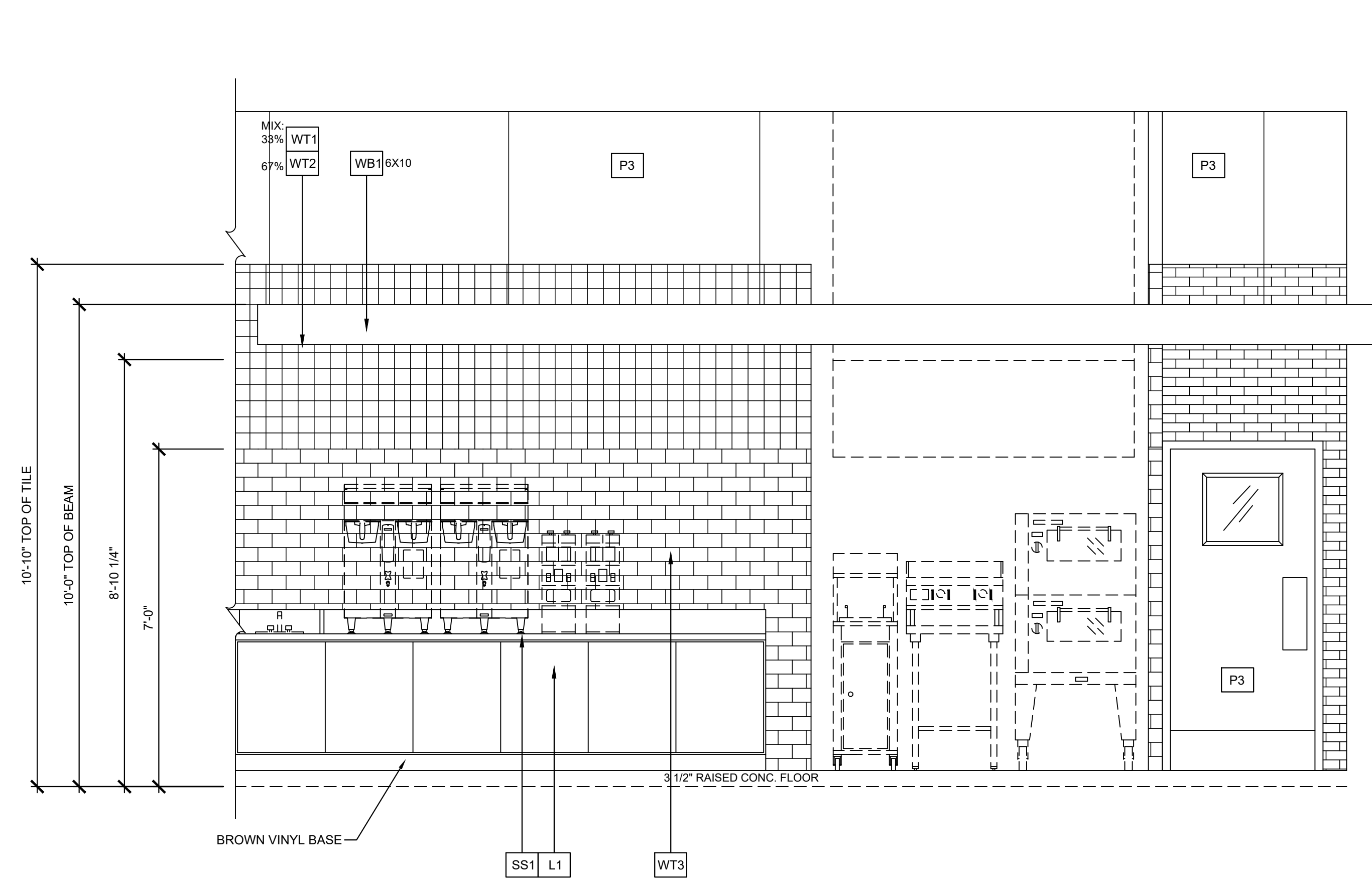
**03** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"

FOR REFERENCE ONLY.  
SEE FLOOR PLAN FOR NEW LAYOUT

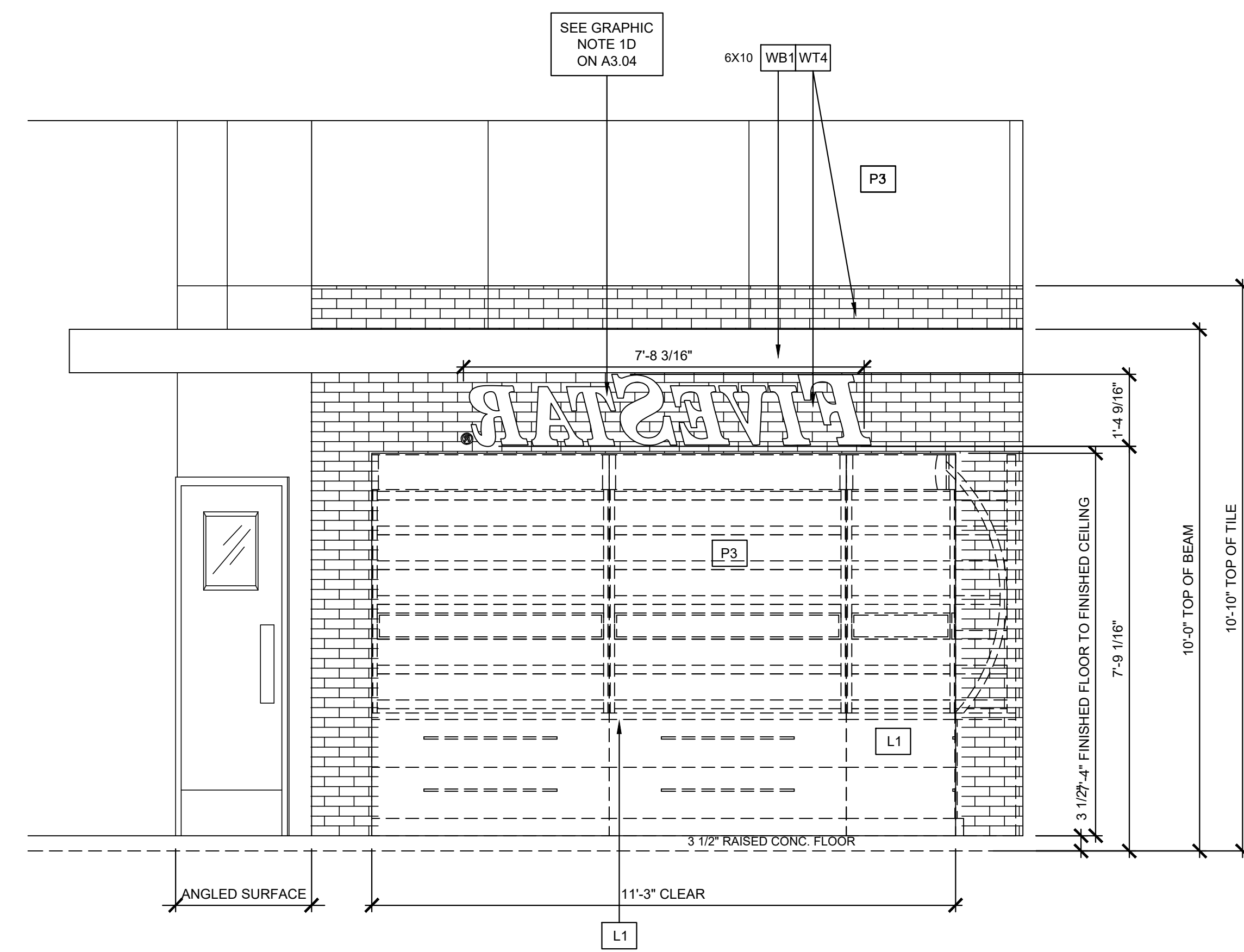


**04** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"

FOR REFERENCE ONLY.  
SEE FLOOR PLAN FOR NEW LAYOUT



**01** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



**02** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"

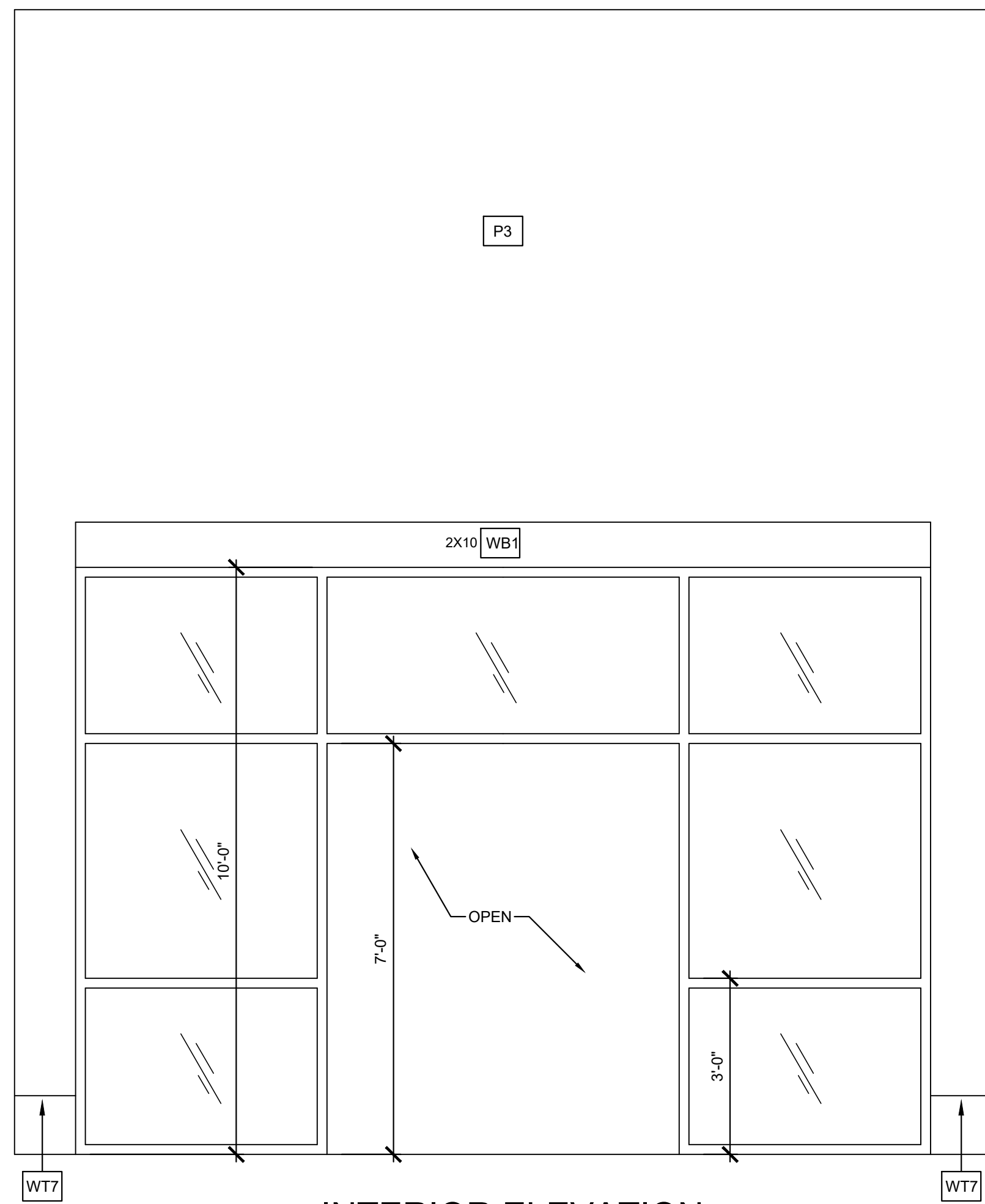
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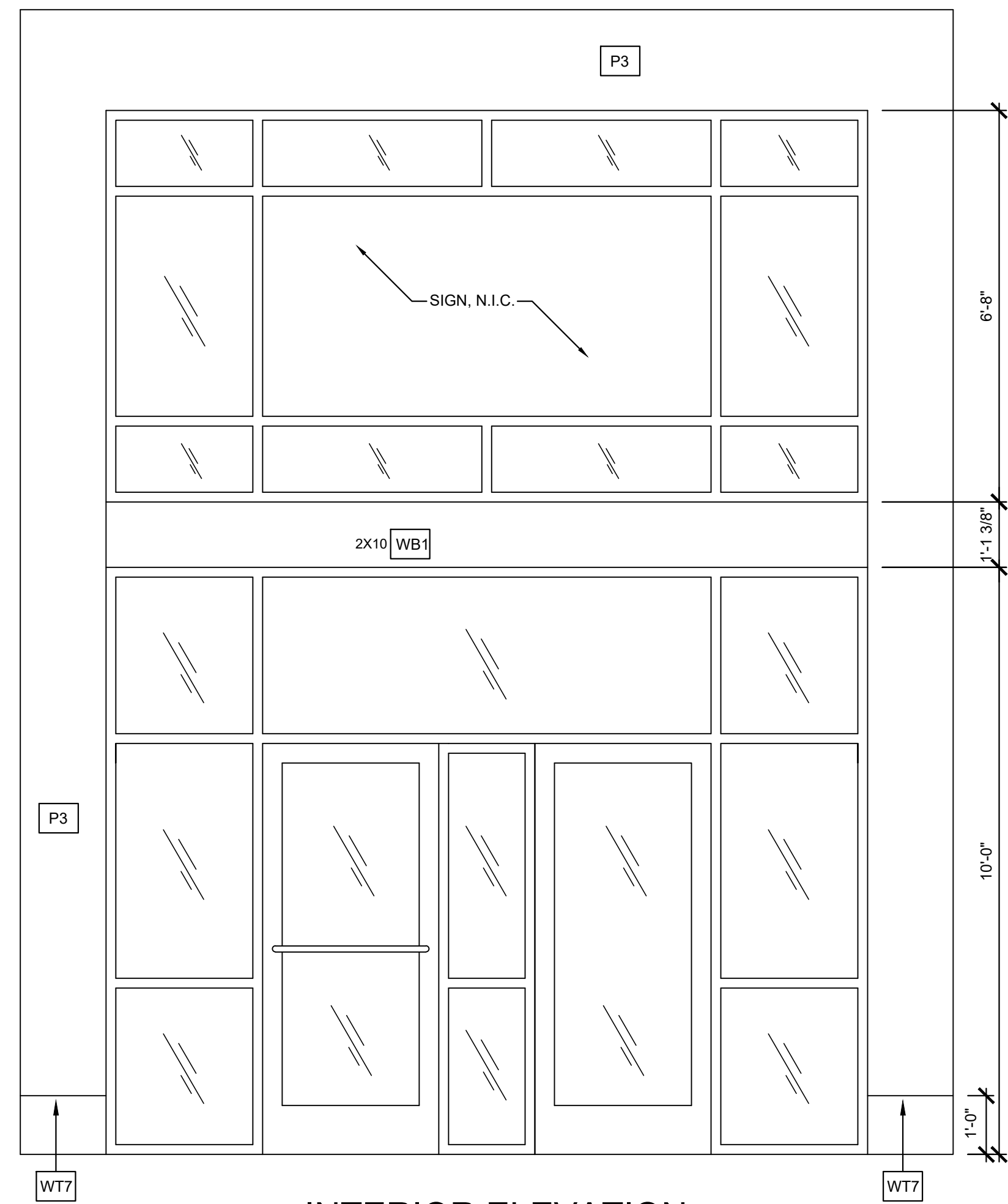
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INTERIOR ELEVATIONS

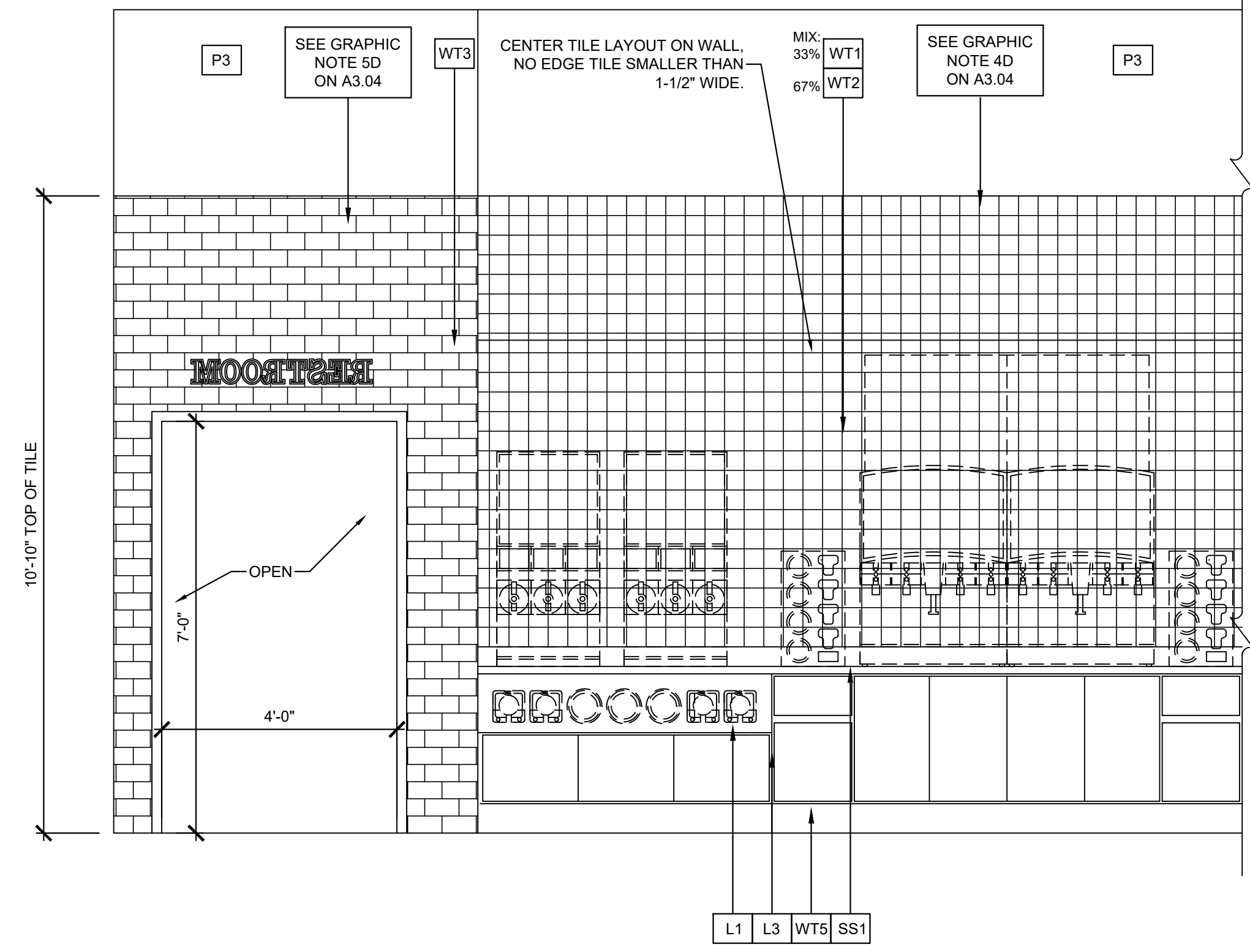
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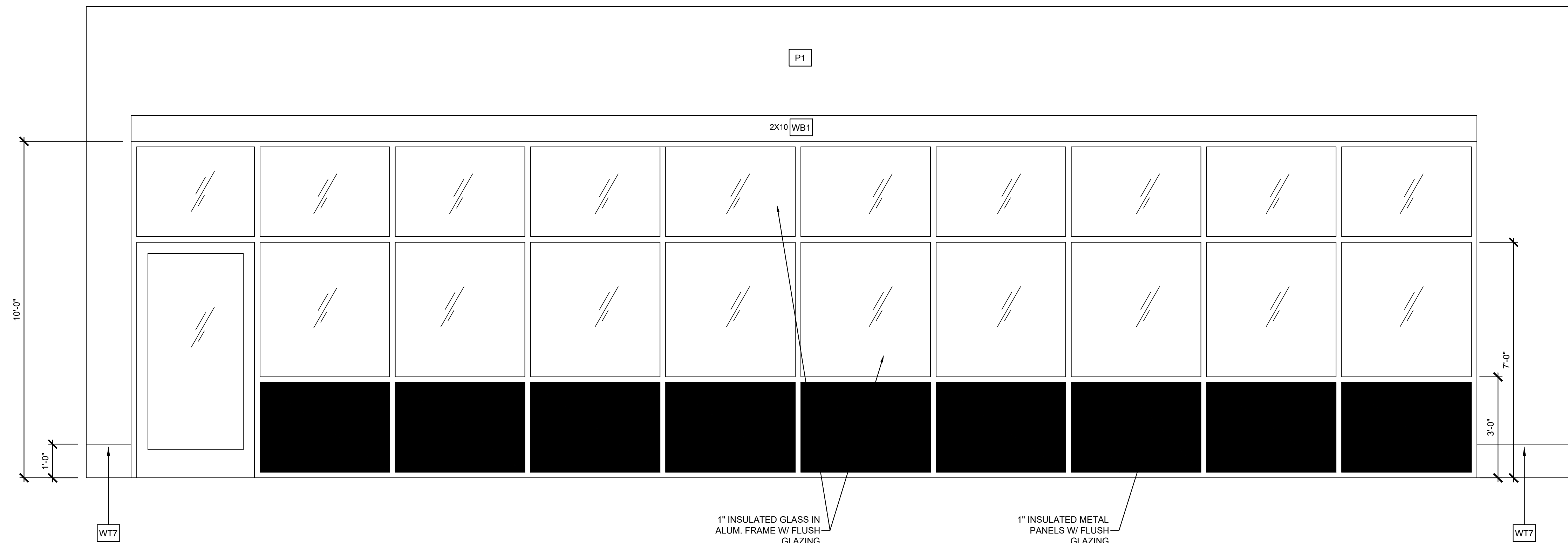
**04** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



**03** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



**02** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



**01** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"

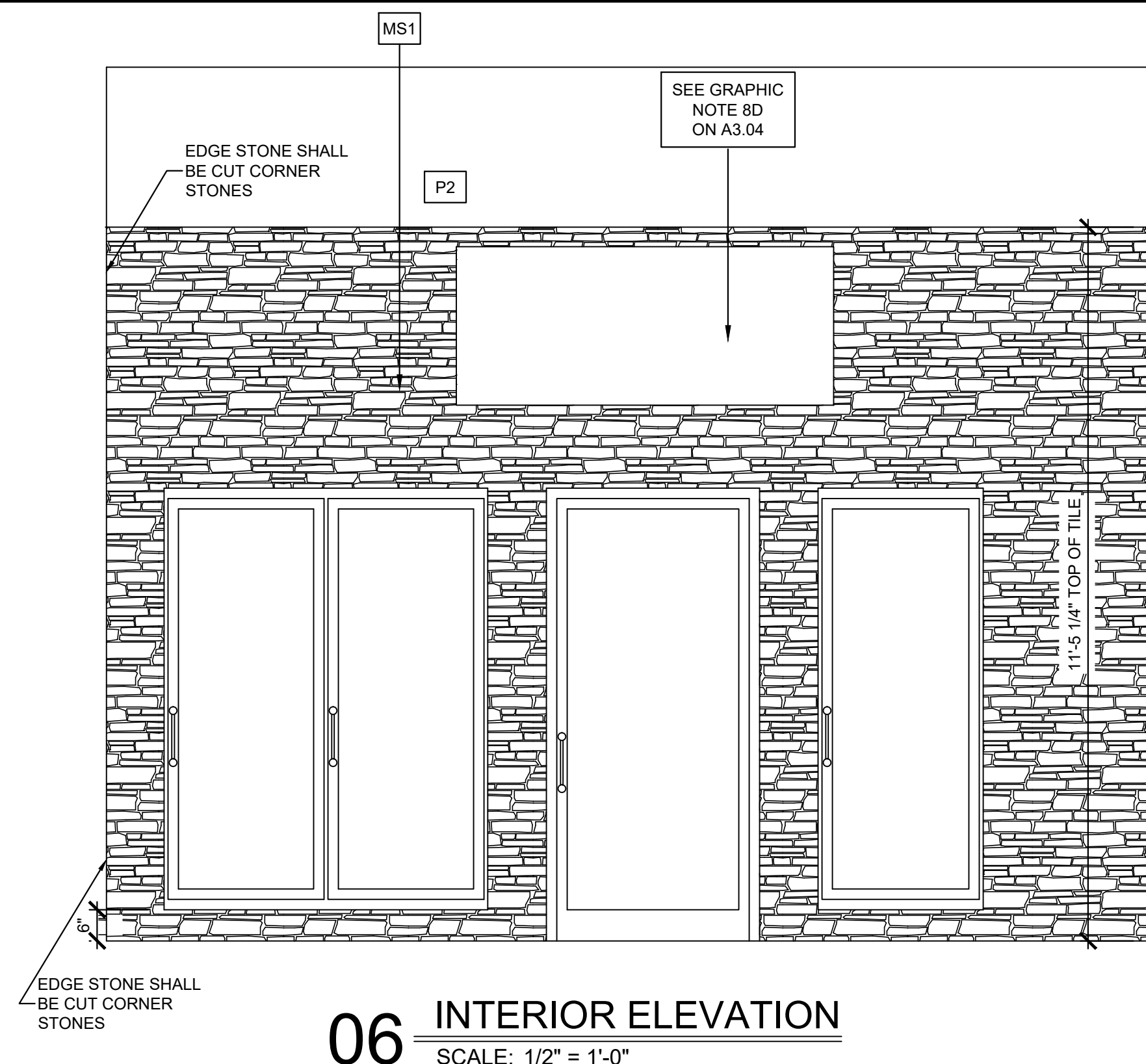


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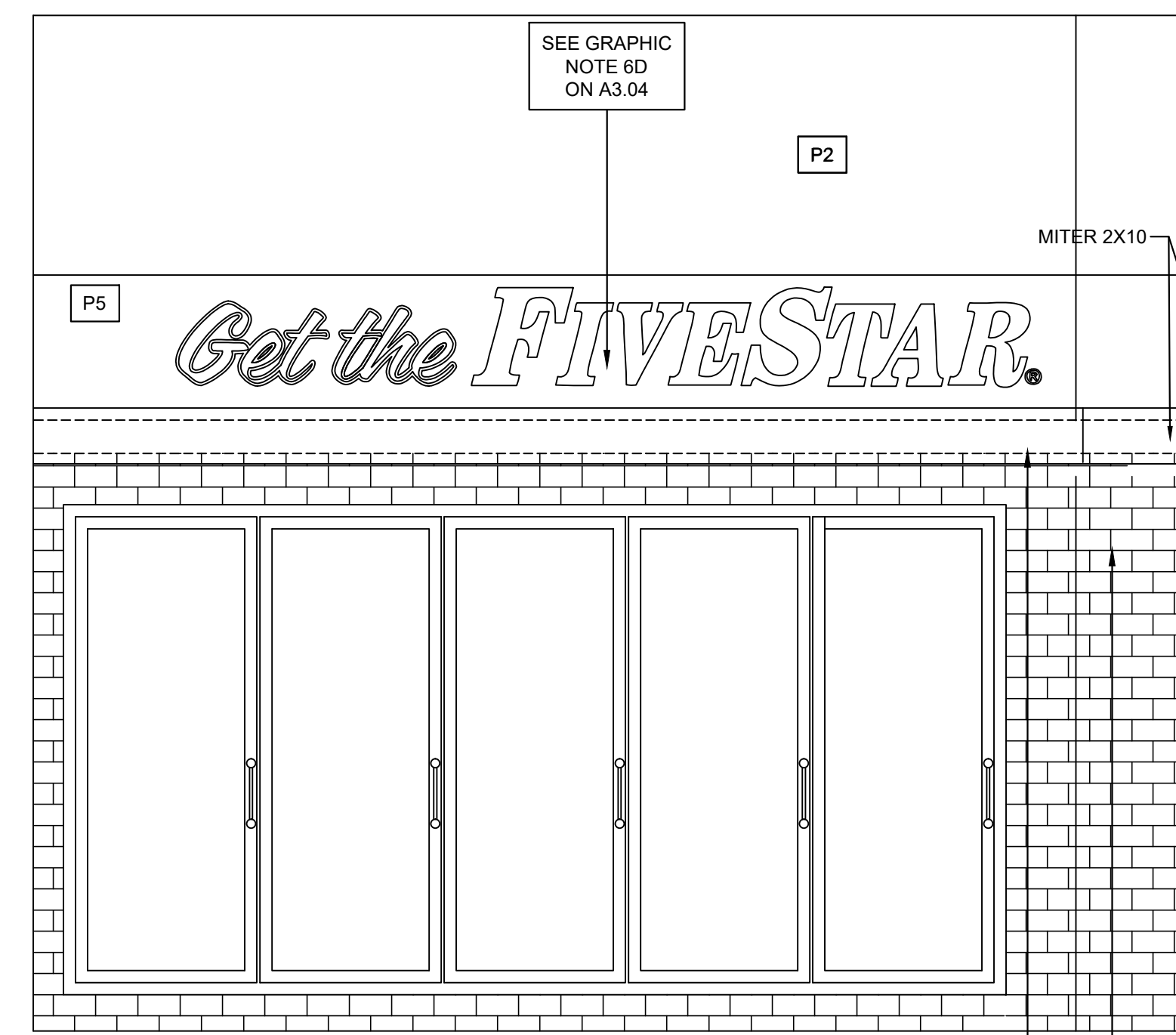
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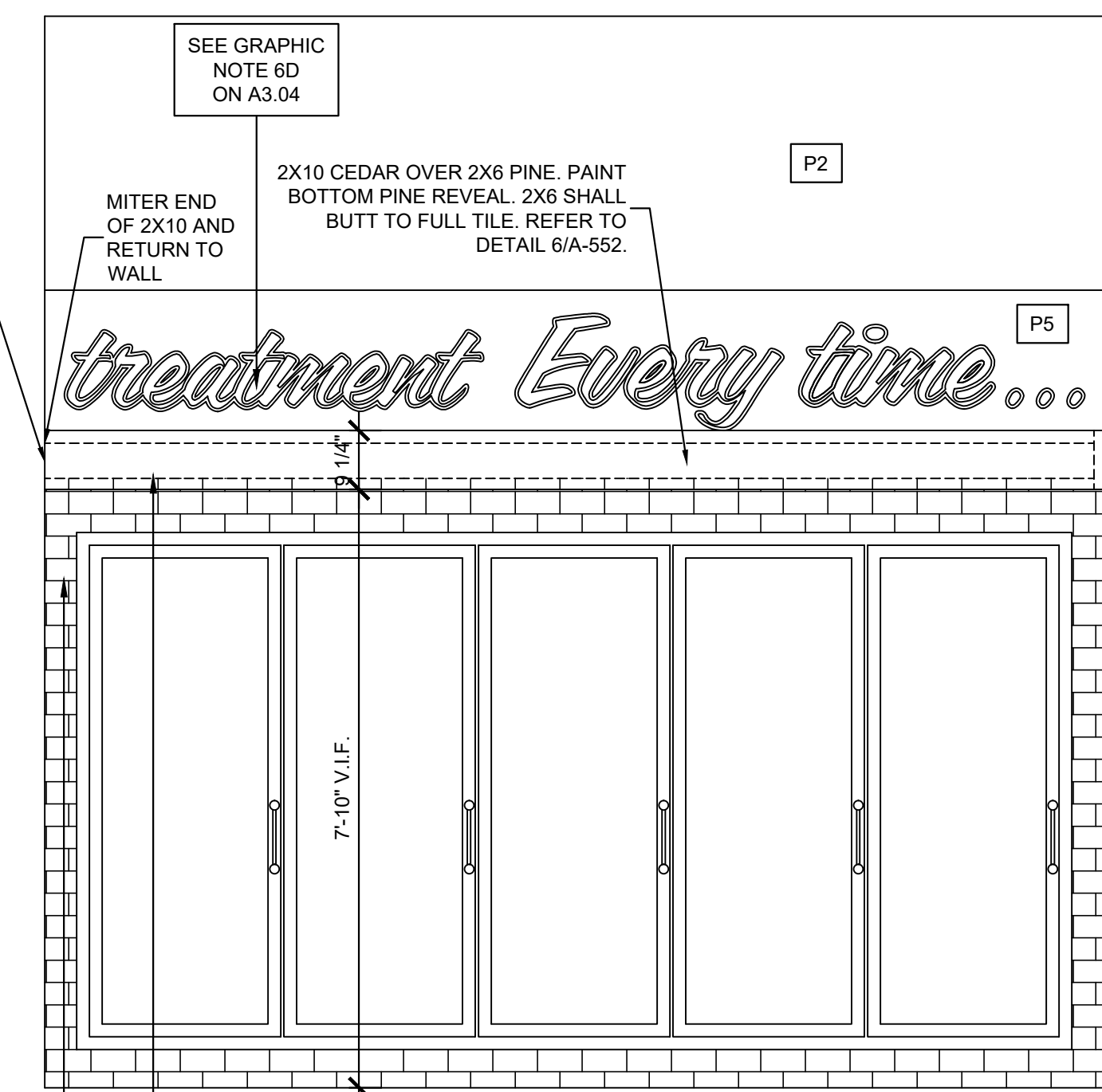
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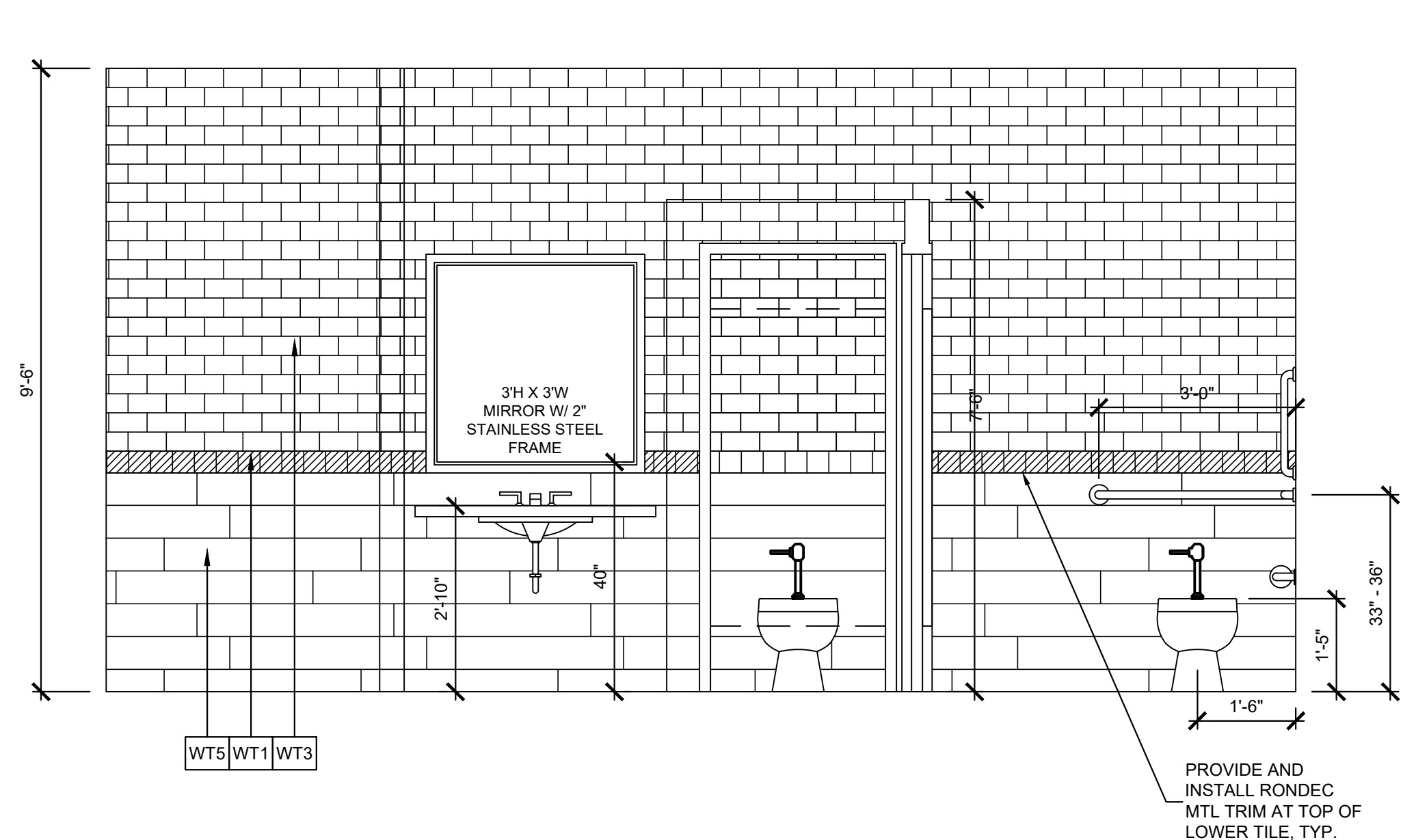
**06** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



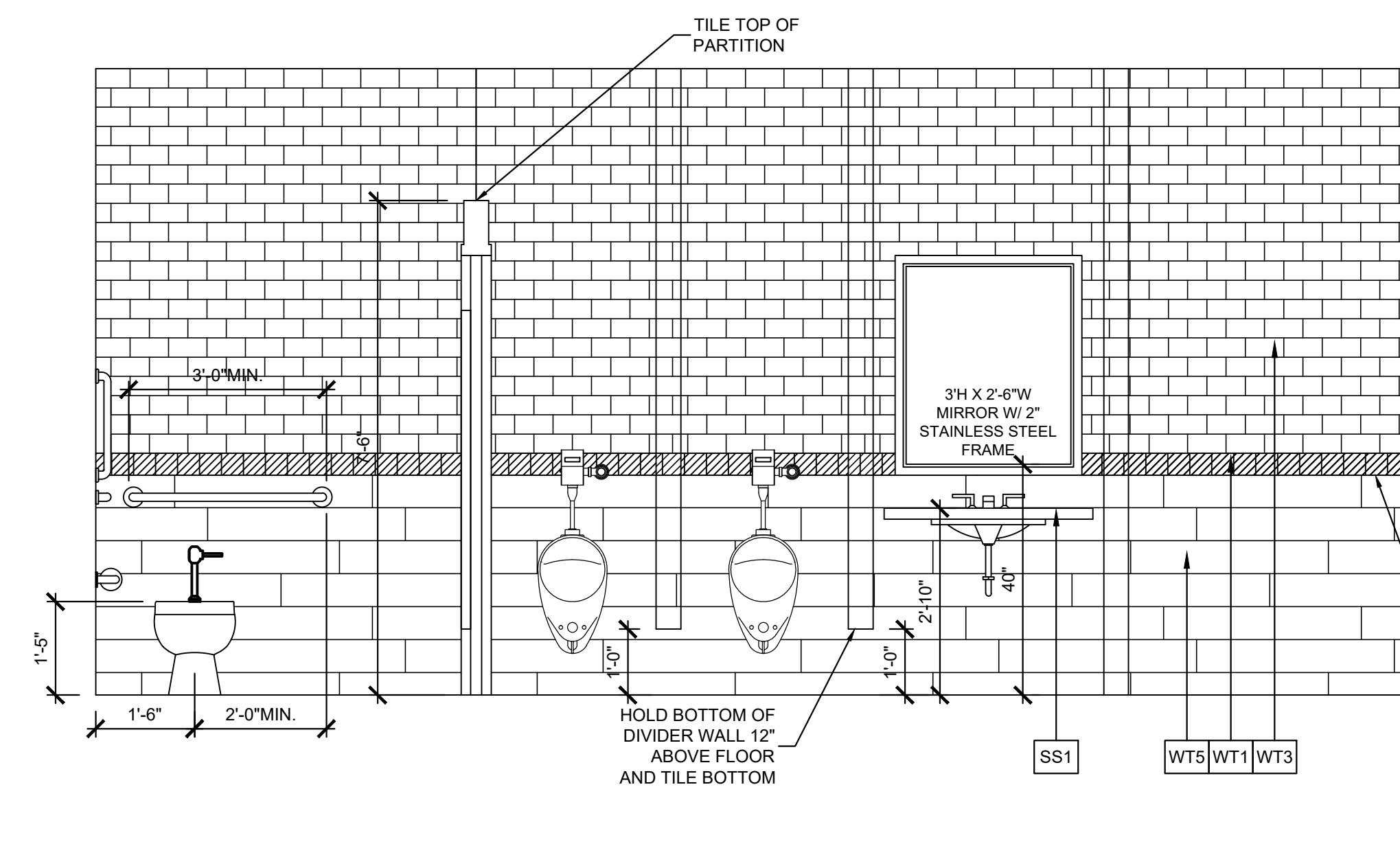
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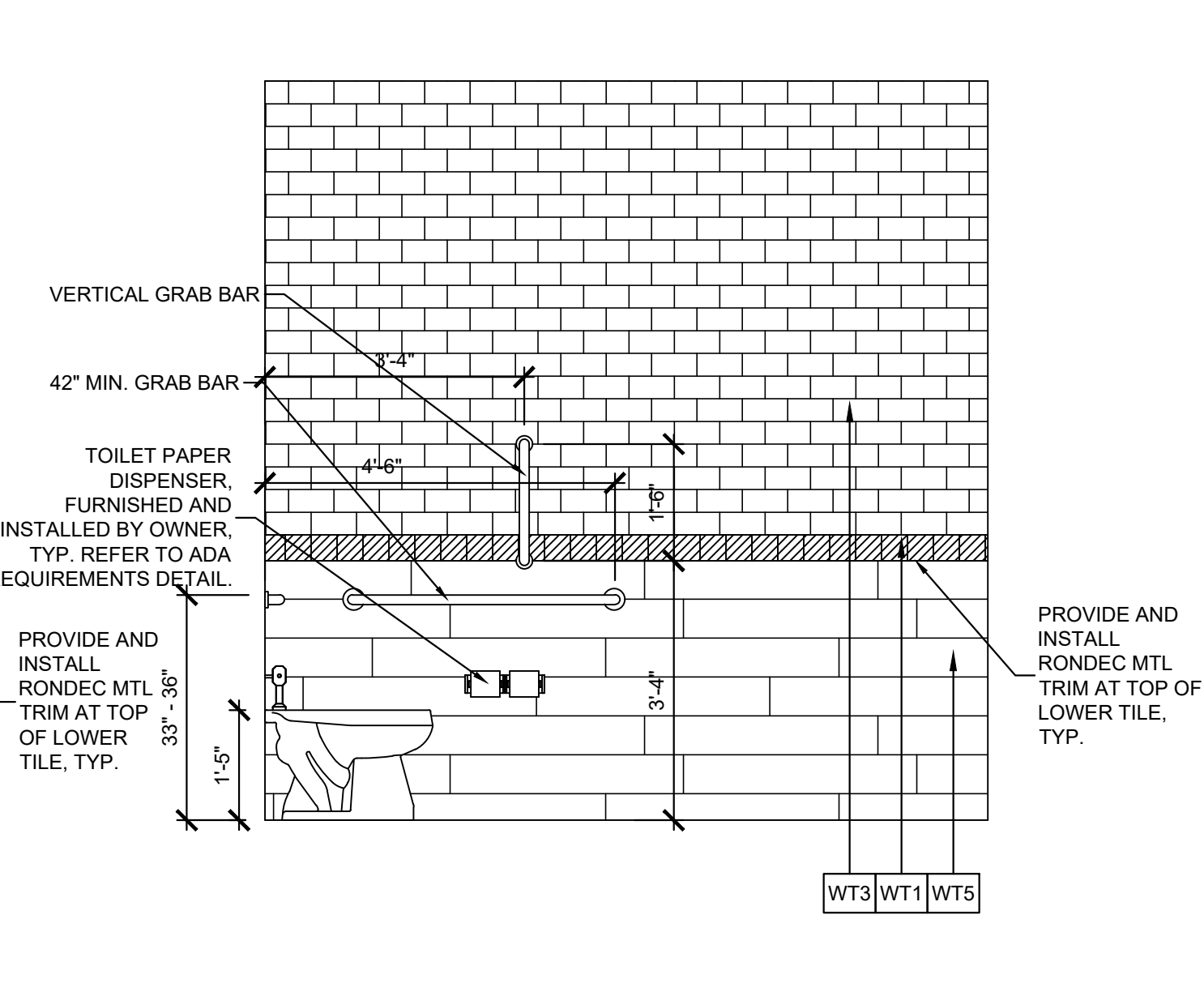
**04** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



**01** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



**02** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



**03** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"

PROJECT NO:  
22-4336  
DRAWN BY:  
KP/NM/  
DATE:  
06-29-2022

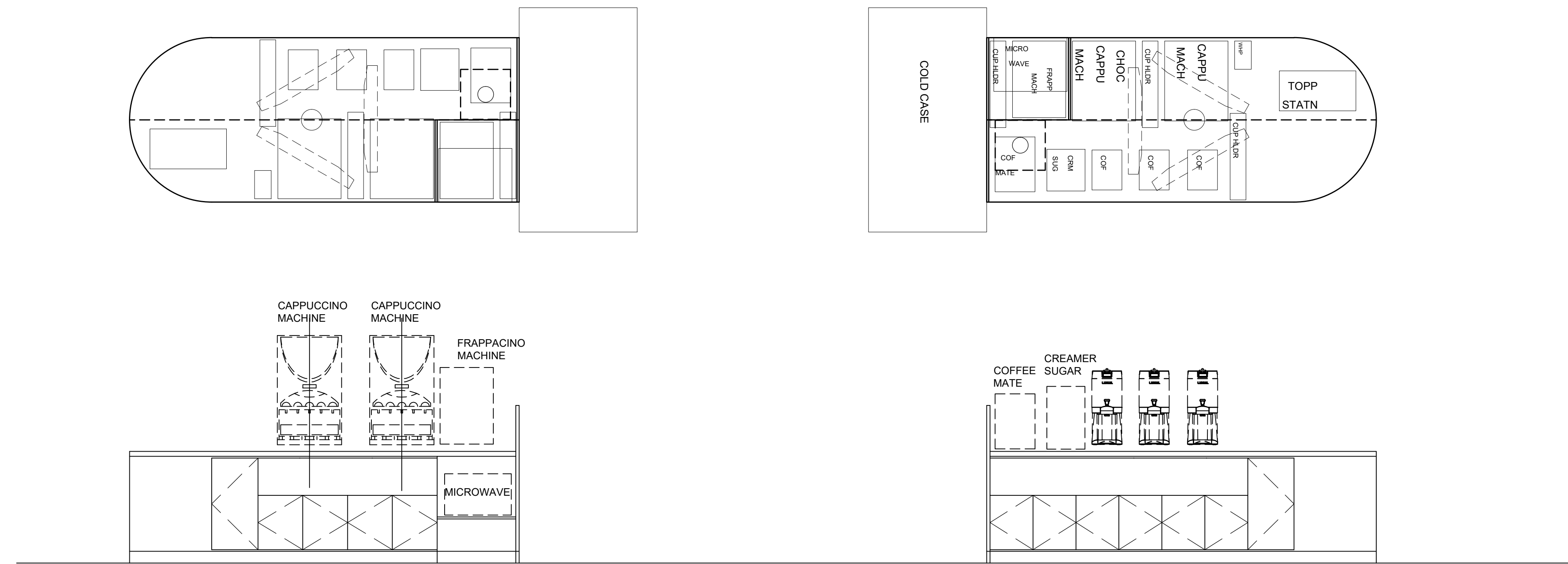


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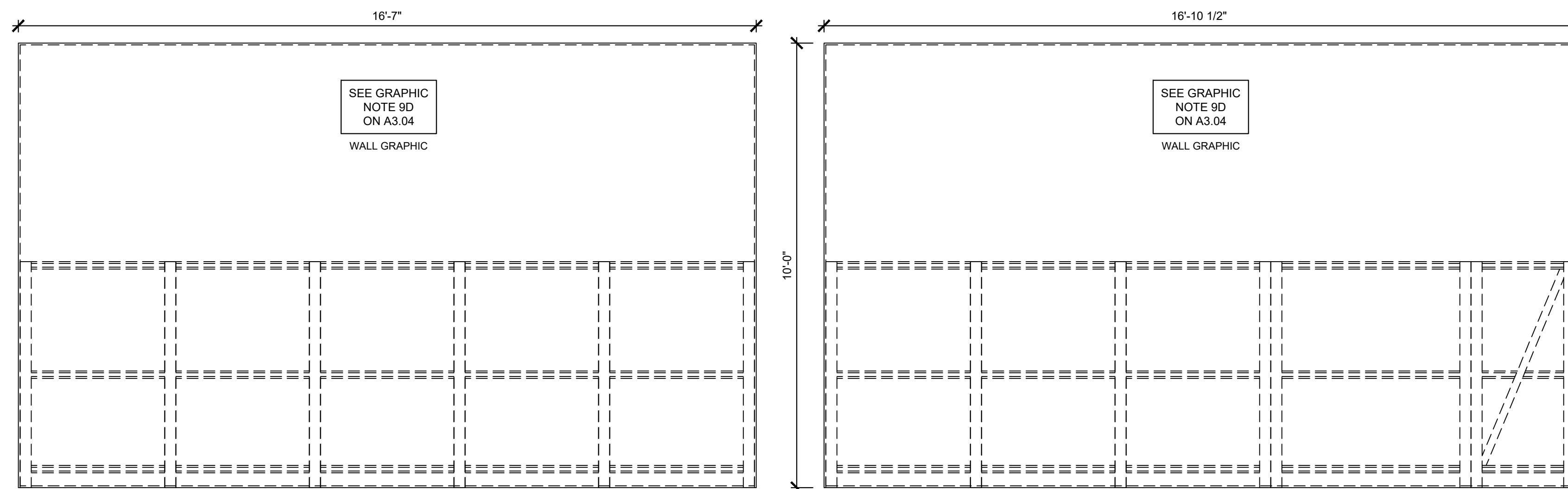
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INTERIOR ELEVATIONS  
**A2.05**

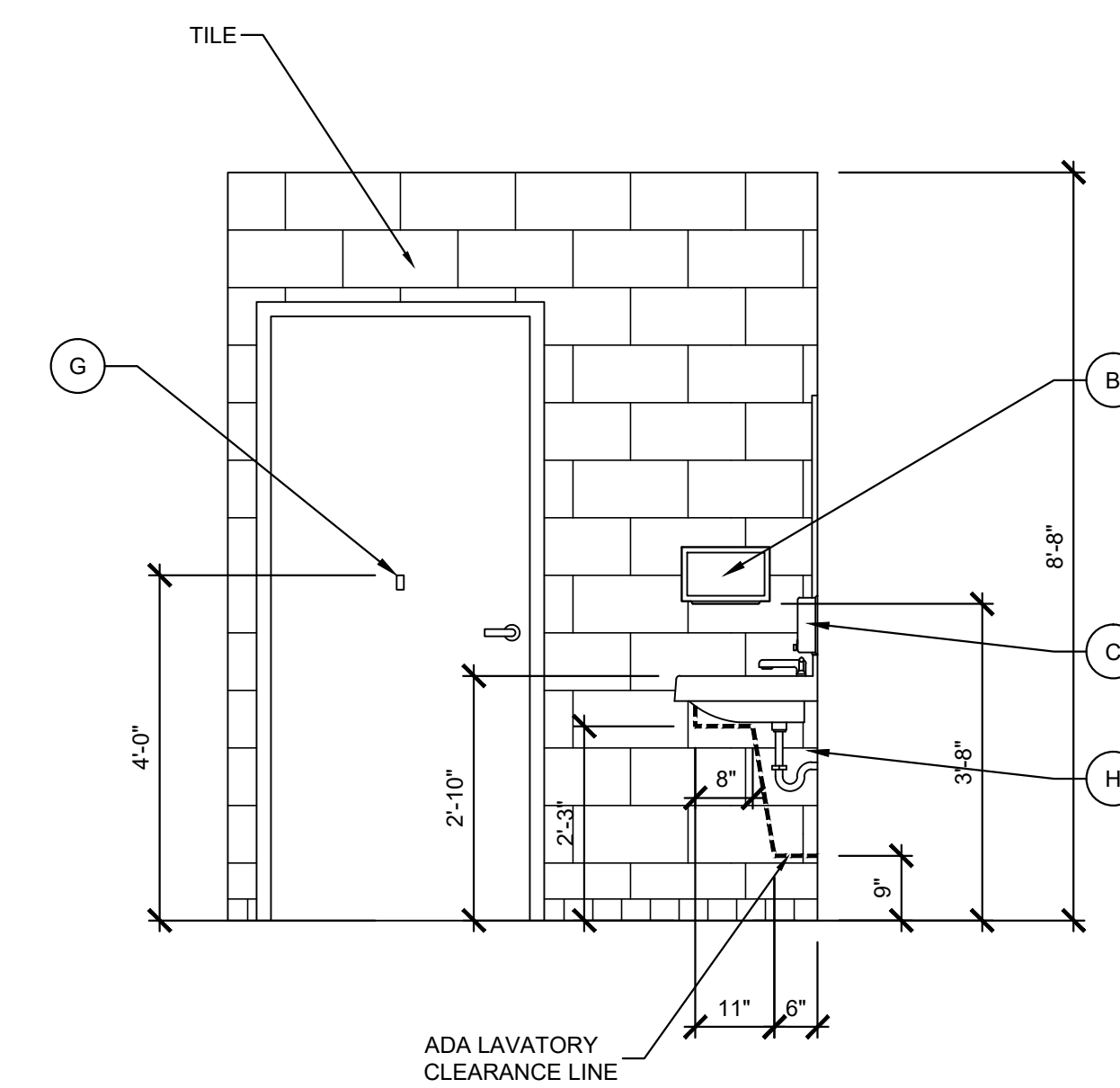


**04** COFFEE ISLAND  
SCALE: N/A



**01** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"

**02** INTERIOR ELEVATION  
SCALE: 1/2" = 1'-0"



**03** A.D.A. REQUIREMENTS  
SCALE: 1/2" = 1'-0"



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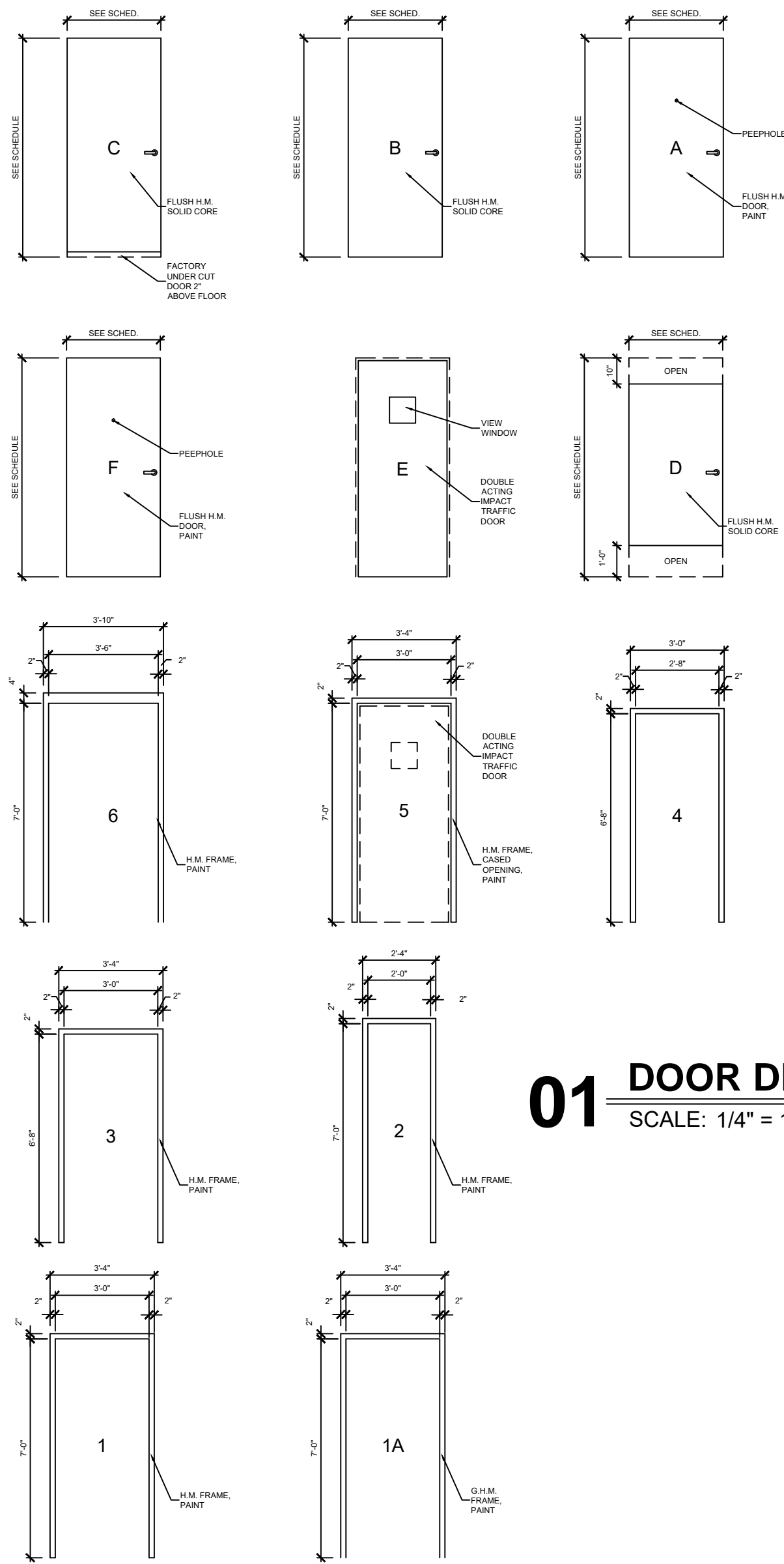
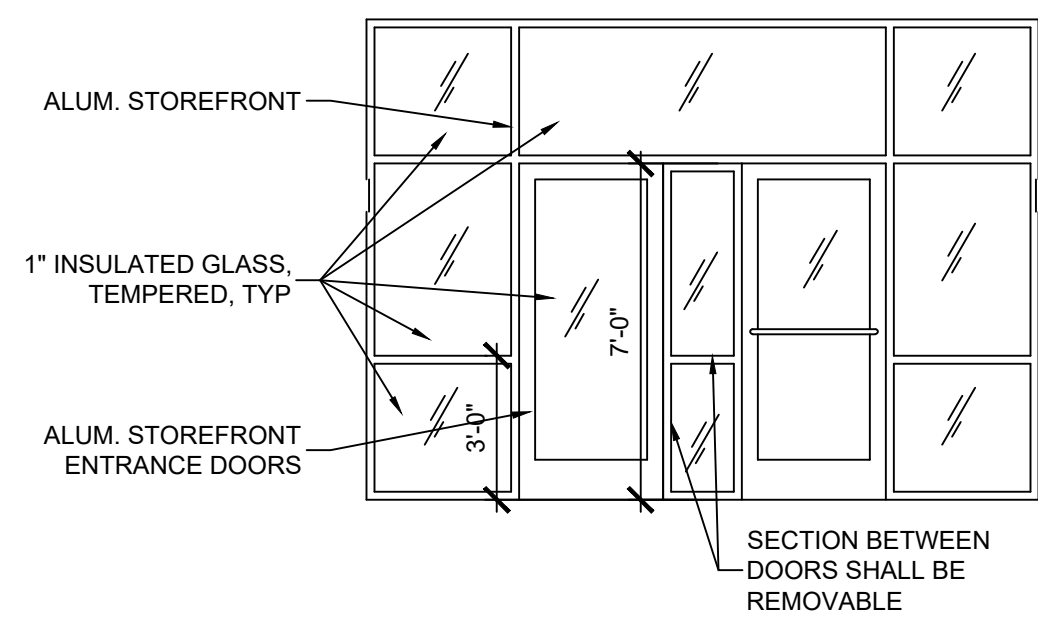
**DOOR, FRAME & HARDWARE SCHEDULE**

DOOR #	SIZE	MATERIAL	MATERIAL FRAME	TYPE	TYPE JAMB	DESCRIPTION	MANUFACTURE	QTY	MODEL #	FINISH	REMARKS
VESTIBULE 101	3'-0" x 7'-0" x 1'-3/4"	ALUM	ALUM	-	-						HARDWARE BY DOOR MANUFACTURE - CLEAR ANODIZED ALUM. PUSH BAR ON PUSH SIDE OF "OUT DOOR" - REFER TO NOTES FOR ADDITIONAL HARDWARE
VESTIBULE 102	3'-0" x 7'-0" x 1'-3/4"	ALUM	ALUM	-	-						HARDWARE BY DOOR MANUFACTURE - CLEAR ANODIZED ALUM. PUSH BAR ON PUSH SIDE OF "IN DOOR" - REFER TO NOTES FOR ADDITIONAL HARDWARE
VESTIBULE 103	3'-0" x 7'-0" x 1'-3/4"	ALUM	ALUM	-	-						HARDWARE BY DOOR MANUFACTURE - CLEAR ANODIZED ALUM. PUSH BAR ON PUSH SIDE OF "OUT DOOR" - REFER TO NOTES FOR ADDITIONAL HARDWARE
VESTIBULE 104	3'-0" x 7'-0" x 1'-3/4"	ALUM	ALUM	-	-						HARDWARE BY DOOR MANUFACTURE - CLEAR ANODIZED ALUM. PUSH BAR ON PUSH SIDE OF "IN DOOR" - REFER TO NOTES FOR ADDITIONAL HARDWARE
ROLL UP GRATE	7'-8" W x 4'-0" L						(RE) ROLL UP GRATE	2	437 MILL		
ENTRANCE 105	3'-6" x 7'-0" x 1'-3/4"	ALUM	ALUM	-	-						HARDWARE BY DOOR MANUFACTURE - CLEAR ANODIZED ALUM PANIC DEVICE
NOT USED	-	-	-	-	-						
DELI 107	3'-0" x 7'-0" CASED OPENING	ALUM	HM	E	5	5-3/4" CASED OPENING					ELIASON DOOR
DELI 108	3'-0" x 7'-0" CASED OPENING	ALUM	HM	E	5	5-3/4" CASED OPENING					ELIASON DOOR
OFFICE 109	3'-0" x 7'-0" x 1'-3/4"	HM	HM	B	1	HMD x558 WELDED	(P) HINGES (AL) DIGITAL LOCK (RW) WALL STOP	3 1 1	BB81 4.5 x 4.5 DL2700 409	26D 26D 26D	
OFFICE CLO. 110	2'-0" x 7'-0" x 1'-3/4"	HM	HM	C	2	HMD x 558 WELDED UNDERCUT 1"	(P) HINGES (AL) DIGITAL LOCK (DJ) LOCK GUARD (RW) WALL STOP	3 1 1 1	BB81 4.5 x 4.5 DL2700 NLP 106 409	26D 26D 26D 26D	
ELEC. RM. 111	3'-0" x 7'-0" x 1'-3/4"	HM	HM	B	1	HMD x 558 WELDED	(A) HINGES (AL) PANIC DEVICE (PA) CLOSER (RW) FLOOR STOP	3 1 1 1	BB81 4.5 x 4.5 2200EO36 x NESC 2200 GC5900 440	26D 630 ALUM 26D	
HALLWAY 112	3'-0" x 7'-0" x 1'-3/4"	HM	HM	B	1	HMD x 558 WELDED, 14 GAUGE, HD FOOT ANCHOR	(A) CONTINUOUS HINGE (AL) DIGITAL LOCK (PA) CLOSER (RW) WALL STOP (RW) ARMOR PLATE	1 1 1 1 1	A240 83" DL2700 GC5900 409 K1050 34 x 82	26D 26D ALUM 26D 628	SEE NOTE #10
WOMENS RR 113	2'-4" x 6'-8" x 1'-3/4"	HM	HM	D	4	HMD x 558 WELDED	(P) SPRING HINGES (F) INDICATOR LOCK (RW) CYLINDER PULLS MODIFIED	6 3 3	SP81 4.5 x 4.5 DL2712 x ST161 STK 90B MODIFIED	26D 26D 630	WOMENS STALL
WOMENS RR 114	3'-0" x 6'-8" x 1'-3/4"	HM	HM	D	3	HMD x 558 WELDED	(P) SPRING HINGES (F) INDICATOR LOCK (RW) CYLINDER PULLS MODIFIED	6 3 3	SP81 4.5 x 4.5 DL2712 x ST161 STK 90B MODIFIED	26D 26D 630	WOMENS ADA STALL
CLOSET 115	3'-0" x 7'-0" x 1'-3/4"	HM	HM	B	1	HMD x 558 WELDED	(P) HINGE (D) PASSAGE (PA) CLOSER	3 1 1	BB81 4.5 x 4.5 CL710 LRC GC5900	26D 26D ALUM	
MENS RR 116	3'-0" x 6'-8" x 1'-3/4"	HM	HM	D	3	HMD x 558 WELDED	(P) SPRING HINGES (F) INDICATOR LOCK (RW) CYLINDER PULLS MODIFIED	6 3 3	SP81 4.5 x 4.5 DL2712 x ST161 STK 90B MODIFIED	26D 26D 630	MENS ADA STALL
STORAGE 117	3'-0" x 7'-0" x 1'-3/4"	HM	HM	B	1	HMD x 558 WELDED, 14 GAUGE, HD FOOT ANCHOR	(A) CONTINUOUS HINGE (RW) PUSH (RW) PULL (PA) CLOSER (RW) ARMOR PLATE	1 1 1 1 1	A240 83" 70B 105 x 70B GC5900 K1050 34 x 82	26S 630 630 ALUM 628	SEE NOTE #10
STORAGE 118	3'-0" x 7'-0" x 1'-3/4"	GHM	GHM	A	1A	GALV HMD x 812 GALV	(A) CONTINUOUS HINGE (CR) PANIC DEVICE (PA) CLOSER (DJ) PEEPHOLE (RE) WEATHERSTRIP (RE) THRESHOLD (RE) SWEEP	1 1 1 1 1 1 1	1240 83" 2200EO36 GC5900 DV180 807A 36" x 84" S425A 36" 323C 36"	26D 630 ALUM 26D ALUM ALUM ALUM	
DISHWASH 119	3'-6" x 7'-0" x 1'-3/4"	GHM	GHM	F	6	GALV HMD x 812 GALV	(A) CONTINUOUS HINGE (CR) PANIC DEVICE (PA) CLOSER (DJ) PEEPHOLE (RE) WEATHERSTRIP (RE) THRESHOLD (RE) SWEEP	1 1 1 1 1 1 1	A 240 83" 2200EO36 GC5900 DV180 807A 48" x 84" S425A 48" 323C 48"	26D 630 ALUM 26D ALUM ALUM ALUM	

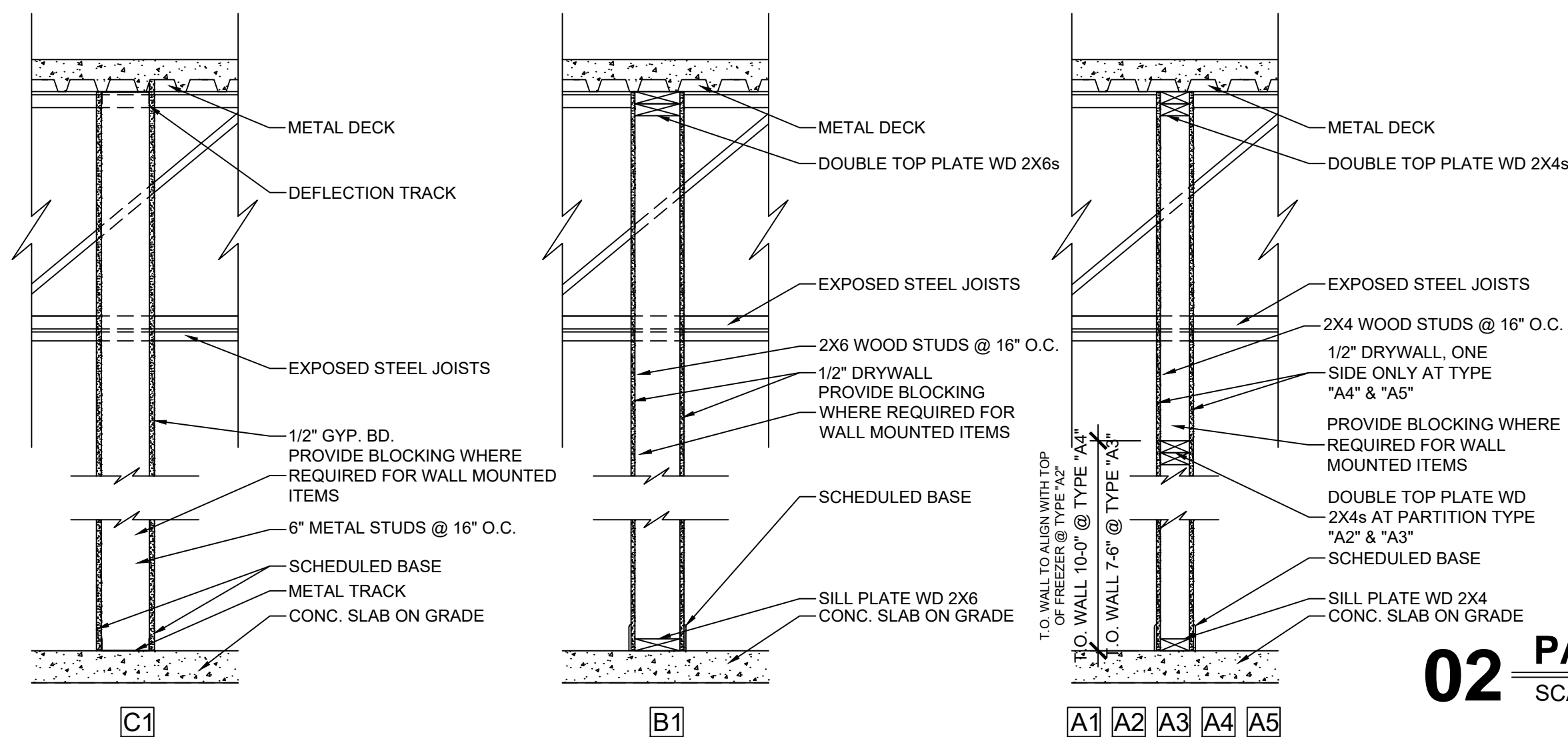
**NOTES:**

- GLASS SHALL BE TEMPERED WHERE REQUIRED BY CODE. ALL DOORS SHALL MEET HANDICAP REQUIREMENTS.
- VERIFY ALL WALL DEPTHS, REQUIRED FRAME DEPTHS AND FRAME DIMENSIONS IN THE FIELD.
- DOORS 101, 102, 103 AND 104 SHALL BE KEYPED ALIKE. PUSH BAR ON IN AND OUT.
- DOORS 109 AND 115 SHALL BE KEYPED ALIKE
- DOOR 110 OFFICE CLOSET SHALL BE KEYPED SEPARATELY
- ALL DOORS SHALL HAVE 3 HINGES EXCEPT FOR ENTRANCE DOORS, REFER TO NOTES BELOW
- ALL HINGES ARE BALL BEARING, CLOSURES ARE MEDIUM DUTY, & LEVER SETS ARE MEDIUM DUTY
- ALL DOORS SHALL HAVE DOOR SILENCERS AND DOOR STOPS INCLUDING RESTROOM STALL DOORS.
- HARDWARE FOR ALUM. DOORS 101, 102, 103, 104 AND 105 PROVIDED BY MANUFACTURER. HINGES (1 1/2" PAIR OF BUTT HINGES FOR DOOR 105, CONTINUOUS HINGES FOR DOORS 101, 102, 103 AND 104), DEADLOCK, WITH 5 PIN CYLINDER (KEYED ALIKE), (BOTH SIDES, KBC 1010.1.9.3), GRADE 1, ADA, CLOSER, WITH ADJUSTABLE SPRING TENSION, ADA THRESHOLDS (GROUTED SOLID), WEATHER STRIP, & BOTTOM RAIL SWEEP. REFER TO SCHEDULE FOR PUSH BARS AND PANIC DEVICE. NO PULLS ON ALUM DOORS.
- CLOSERS ON DOORS INTO STORAGE AND RESTROOMS SHALL BE INSTALLED ON STORAGE AND RESTROOM SIDE SO THAT THEY ARE NOT VISIBLE FROM THE HALLWAY.
- NOTE:** WHILE BUILDING IS BEING OCCUPIED SIGN SHALL BE WITH 1" LETTERS HIGH THAT READS "THIS DOOR IS TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED"

MANUFACTURERS:	
ABBREVIATION	COMPANY
(A)	ABH
(AL)	ALARM LOCK
(CR)	CAL-ROYAL
(DJ)	DON-JO
(D)	DORMA
(F)	FALCON
(PA)	INTERNATIONAL CLOSERS
(P)	PBB
(RE)	REESE
(RW)	ROCKWOOD



**01 DOOR DETAILS**  
SCALE: 1/4" = 1'-0"



NOTE:  
DRYWALL NOT REQUIRED ON UNEXPOSED SIDE ABOVE COOLERS, INSIDE CHASE AND SIMILAR LOCATIONS

**02 PARTITION DETAILS**  
SCALE: 3/4" = 1'-0"





# INTERIOR FINISH SCHEDULE

CODE	DESCRIPTION / LABEL	COLOR	MANUFACTURER
	AREA / SUBSTRATE	PRODUCT # OR SERIES	CONTACT
P1	SUPERPAINT INT. LATEX SATIN / PRIMER	#SW7506 LOGGIA	SHERWIN WILLIAMS
	SALES FLR. & STORAGE ROOM WALLS / DRYWALL	A87W01151	
P2	SUPERPAINT INT. LATEX SATIN / FINISH	#SW6221 MOODY BLUE	SHERWIN WILLIAMS
	ACCENT ABOVE COOLER WALL / DRYWALL	A87W01153	
P3	SUPERPAINT INT. LATEX SATIN / FINISH	#SW7598 SIERRA REDWOOD	SHERWIN WILLIAMS
	FRONT DOOR WALL / DRYWALL	A87W01153	
P4	PRO INDUST. PRECATAL. WATERBASED EPOXY EG-SHEL / FINISH	#SW7515 HOMESTEAD BROWN	SHERWIN WILLIAMS
	DOOR JAMBS / STEEL	B53T01154	
P5	SUPERPAINT INT. LATEX SATIN / FINISH	#SW6395 ALCHEMY	SHERWIN WILLIAMS
	ABOVE WALK-IN COOLER / DRYWALL	A87W01153	
P6	PRO INDUSTRIAL URETHANE ALKYD ENAMEL GLOSS / FINISH	#SW7598 SIERRA REDWOOD	SHERWIN WILLIAMS
	EXTERIOR METAL DOORS / STEEL	B54T01154	
P7	CHB INTERIOR LATEX FLAT	WHITE	SHERWIN WILLIAMS
	CEILING- DRYWALL	B30WC4051	
P8	WATERBOURNE ACRYLIC DRY FALL FLAT WHITE	WHITE	SHERWIN WILLIAMS
	CEILING- OPEN AREA/GALVANIZED	B42W00181	
P9	PRO INDUSTRIAL URETHANE ALKYD ENAMEL GLOSS / FINISH	#SW7598 SIERRA REDWOOD	SHERWIN WILLIAMS
	BATHROOM DOORS - STALL	B54T01154	
P10	PRO INDUSTRIAL URETHANE ALKYD PRIMER	WHITE	SHERWIN WILLIAMS
	AC TRUCK LINES - PRIMER	B66W310	
P11	PRO INDUSTRIAL URETHANE ALKYD ENAMEL GLOSS / FINISH	WHITE	SHERWIN WILLIAMS
	AC TRUCK LINES - FINISH	K46W01151	
SS1	1/2" SOLID SURFACING	COLOR- SERENE SAGE	CORIAN
		COLLECTION- TERRA	800.426.7426
L1	PLASTIC LAMINATE ARTISAN FINISH	#6206-43	FORMICA
		PLANKED DELUXE PEAR	1.800.FORMICA
L2	PLASTIC LAMINATE CASHMERE FINISH	#P-260 CA	ARBORITE
		TATAMI SABI	800.361.8712
L3	PLASTIC LAMINATE CASHMERE FINISH	#P-354 CA	ARBORITE
		TATAMI KOKOA	800.361.8712
WB1	6 X 10, 2 X 10 & 4 X 10 WOOD BEAMS	CLEAR SEALER	SHERWIN WILLIAMS
		710520000	BY GENERAL CONTRACTOR
MS1	MANUFACTURED STONE VENEER	SERIES- STACKED STONE	ELDORADO STONE
		COLOR- DRY CREEK	800.925.1491
WT1	4 X 4 GLAZED PORCELAIN CERAMIC TILE	#Q093 FIREBRICK	DALTILE
		#145 LIGHT SMOKE	
WT2	4 X 4 GLAZED PORCELAIN CERAMIC TILE	#0190 ARCTIC WHITE	DALTILE
		#145 LIGHT SMOKE	
WT3	4 X 8 GLAZED PORCELAIN CERAMIC TILE	#0190 MOD ARCTIC WHITE	DALTILE
		#145 LIGHT SMOKE	
WT4	9/16" FIRED BRICK FLATS	#410 LINCOLN HERITAGE	EVOLUTION BRICK
		#543 DRIFTWOOD	
WTS	6 X 36 COLORBODY PORCELAIN TILE	#H03 TEAK	DALTILE
		#145 LIGHT SMOKE	
WT6	4 X 8 GLAZED PORCELAIN TILE	CUSTOM COLOR - QTC1481P 4x8 QT01	DALTILE
		#09 NATURAL GREY	
WT7	12 X 12 COLORBODY PORCELAIN TILE	#VL78 ACCENT BROWN	DALTILE
		#145 LIGHT SMOKE	
WT9	FINISHING & EDGE-PROTECTION PROFILES	FINISH: AT SATIN NICKEL ANODIZED ALUM	SCHLUTER SYSTEMS _SCHLUTER.COM
	FOR WALLS	- DESIGNLINE 1/4"	1.800.472.4588
	USED ON ALL HIGH ABUSE CORNERS W/TILE	- RONDEC 1/4"	
FRP-1	MARLITE AT 10'-0"	STANDARD COLOR	MARLITE
	WALL COVERING		
FRP-2	MARLITE AT 4'-0"	STANDARD COLOR	MARLITE
	WALL COVERING		

## INTERIOR GENERAL NOTES :

- ROUTE ALL ELECTRICAL COMPONENTS TO DECORATIVE LIGHTING OUT OF CUSTOMER'S VIEW.
- USE ALUMINUM KICK PLATES ON BOTH THE INSIDE AND OUTSIDE OF REST ROOM DOORS. (BY OWNER)
- ALL FIXTURES ON DOORS TO BE US26D DULL CHROMIUM UNLESS OTHERWISE SPECIFIED.
- MAIN SALES CABINET TO BE FINISHED IN (L1) ON EMPLOYEE SERVICE SIDE AND SUPPORT AREAS.
- COOLER DOORS TO BE FACTORY FINISH BLACK FRAMES.
- SALES FLOOR GONDOLAS TO BE FACTORY FINISHED BLACK.
- ALL FLOOR TILE GROUT TO HAVE "GROUT BOOST."
- EXPOSED DUCTWORK MUST BE PRIMED AND PAINTED BEFORE CEILING IS PAINTED.
- CONTRACTOR SHALL CAULK DOOR JAMBS INSIDE RESTROOMS WITH SANDED CAULK PROVIDED BY LOUISVILLE TILE. ALL OTHER DOOR JAMBS AND MARLITE TO BE CAULKED WITH SHERWIN WILLIAMS POWER HOUSE 60 YR. COLOR: TO MATCH GROUT
- ALL GYPBD WALLS SHALL BE PAINTED.
- PAINT EXPOSED STRUCTURE
- PROVIDE AND INSTALL RONDEC MTL TRIM AT ALL OUTSIDE TILE CORNERS AND WHERE NOTED ON INTERIOR ELEVATIONS.
- "GROUT BOOST" TO BE USED TO MIX GROUT INSTEAD OF WATER.
- ALL EXTERIOR BOLLARDS SHALL BE PAINTED BY NEWCOMB OIL CO
- INSTALL WHITE CAULK AT ALL WALL TO CEILING JOINTS
- TOP OF "WTS" TILE SHALL BE APPROXIMATELY 41" ABOVE FINISH FLOOR TO PREVENT THIN CUT TILE AT FLOOR AND CEILING. THE 41" DIMENSION CAN BE ADJUSTED SLIGHTLY TO ACHIEVE NO LESS THAN HALF A TILE AT THE FLOOR AND CEILING.

## GRAPHIC DETAIL NOTES (GRAPHICS BY OWNER)

CODE	DESCRIPTION - REFER TO INTERIOR RENDERINGS FOR OVERALL GRAPHIC APPEARANCE.
	CONTACT PARAGON FOR ORIGINAL ARTWORK.
1D	"FIVE STAR" SIGN: THE TEXT IS TO BE 1" DIMENSIONAL TEXT & BACKLIT IN WHITE LED HALO LIGHTING. THE TEXT IS TO BE PAINTED ON ALL SIDES.
3D	"COFFEE BREW" SIGN/GRAPHIC: THE BACKGROUND CIRCLE IS TO BE HUNG FROM THE CEILING BY A CHAIN LINK. THE "COFFEE BREW" TEXT IS TO BE BACKLIT IN RED LED HALO. THE CUP IS TO BE 3D AND PROTRUDING FROM THE CIRCLE.
4D	"FREEZE & FOUNTAIN" SIGN: THE BACKGROUND BAND IS TO BE A BRUSHED STAINLESS STEEL METAL. THE "FREEZE & FOUNTAIN" TEXT ARE TO BE BACKLIT IN BLUE LED HALO LIGHTING.
5D	"RESTROOM", "MENS", & "WOMENS" SIGNS: THE "RESTROOM" TEXT IS TO BE 1/2" THICK DIMENSIONAL & PAINTED ON ALL SIDES. THE MENS & WOMENS TEXT IS TO BE 1/4" THICK DIMENSIONAL AND FACED IN A BRUSHED STAINLESS STEEL LAMINATE.
6D	"GET THE FIVE STAR TREATMENT... EVERY TIME" SIGN: THE TEXT IS TO BE 2" THICK DIMENSIONAL TEXT AND PAINTED ON ALL SIDES. THE LETTERS ARE TO BE BACKLIT IN YELLOW LED HALO LIGHTING.
7D	"ATM" SIGN: THE TEXT IS TO BE 1/2" THICK DIMENSIONAL TEXT AND OUTLINED IN BRUSHED STAINLESS STEEL. NOTE: NOT IN ELEVATIONS - TO BE PROVIDED AS NECESSARY. BY OWNER.
8D	"THE BEER CAVE" SIGN/GRAPHIC: THE BACKGROUND OVAL IS TO BE MADE OF BRUSHED STAINLESS STEEL (OR ALUMINUM).
	"THE BEER CAVE" TEXT IS TO BE 2" THICK DIMENSIONAL TEXT AND PAINTED ON ALL SIDES.
	THE 3 SNOW FLAKES ARE TO BE AT 3 DIFFERENT DEPTHS AND THE ARE TO HAVE BLUE LED HALO LIGHTING PLACED BEHIND EACH INDIVIDUAL CIRCLE.
9D	ICE WALL GRAPHIC: IS TO BE A DIGITALLY PRINTED WALL GRAPHIC WRAP TO BE APPLIED TO THE INTERIOR WALLS OF THE BEER CAVE. MAKE SURE ALL ASSEMBLY ELEMENTS ARE ADAPTABLE FOR CONSTANT COLD TEMPERATURES.

## GRAPHIC GENERAL NOTES

- DETERMINE ALL GRAPHIC APPLICATIONS BY USING FIELD DIMENSIONS ONLY.
- NO GRAPHIC SUBSTITUTIONS ARE ALLOWED WITHOUT PARAGON SOLUTIONS OR OWNERS CONSENT.
- REVIEW ALL FINAL PRODUCTION DRAWINGS WITH PARAGON SOLUTIONS PRIOR TO PRODUCTION.
- PROVIDE INSTALLATION COSTS UNLESS OTHERWISE NOTED.

PROJECT NO:

22-4336

DRAWN BY:

KP/NM/

DATE:

06-29-2022



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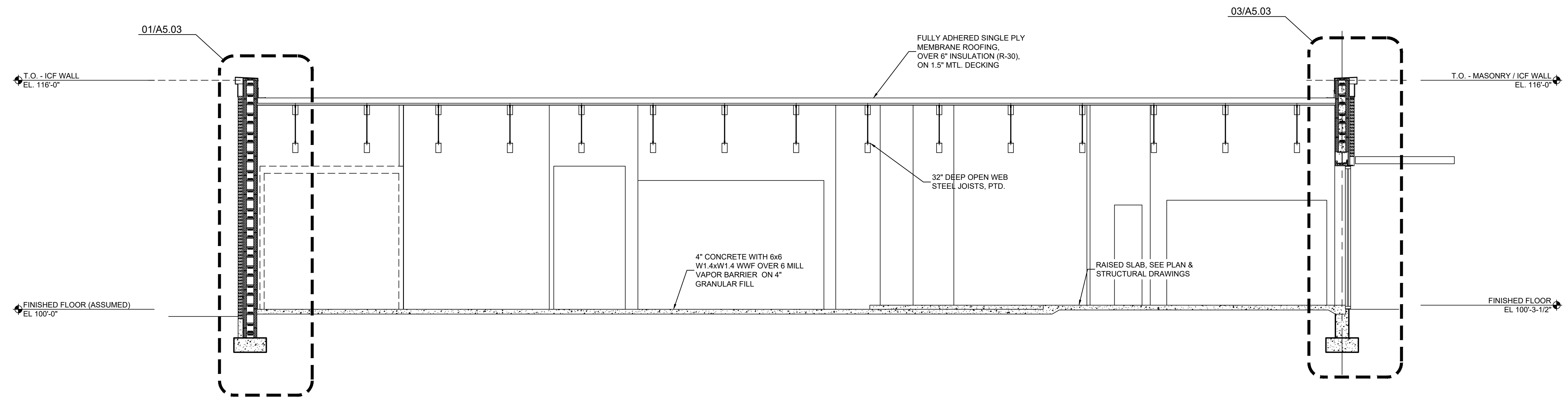
NEWCOMB OIL CO., LLC  
5 JOLLY WAY  
CADIZ, KY 42211

FIVESTAR STORE

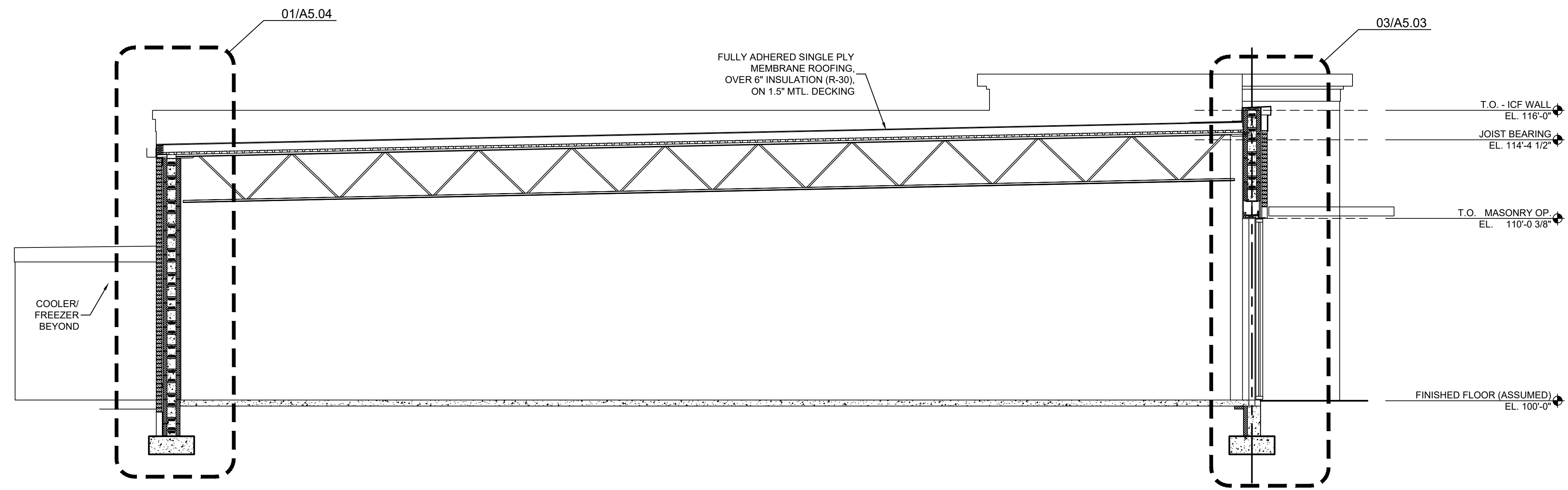
SCHEDULES

**A3.04**

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**02 SECTION**  
SCALE: 1/4" = 1'-0"



**01 SECTION**  
SCALE: 1/4" = 1'-0"



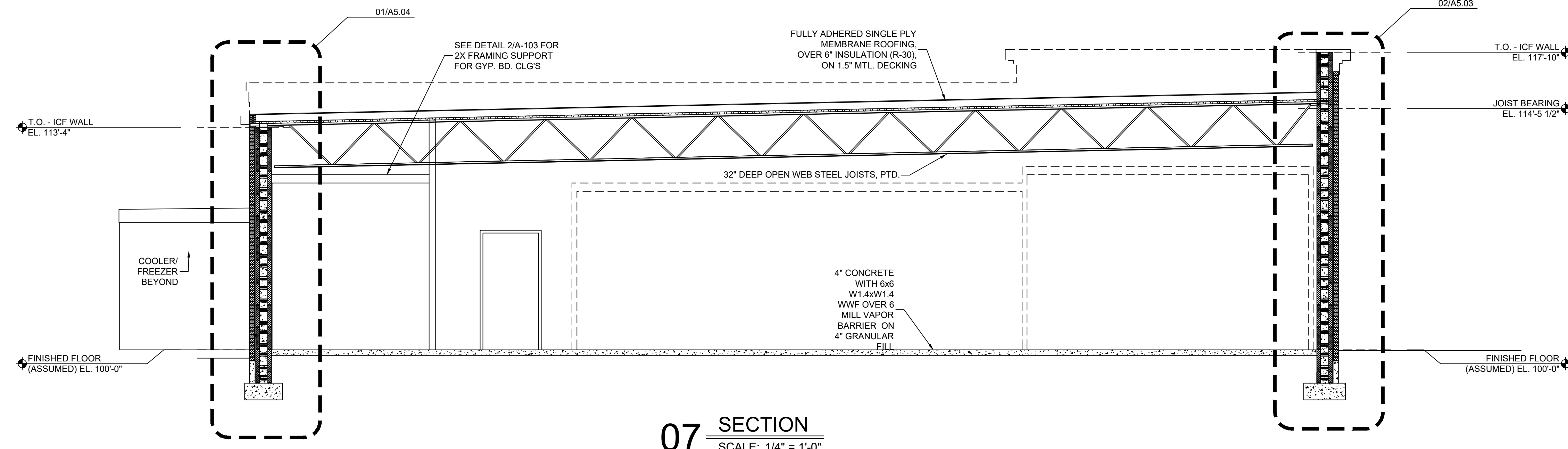
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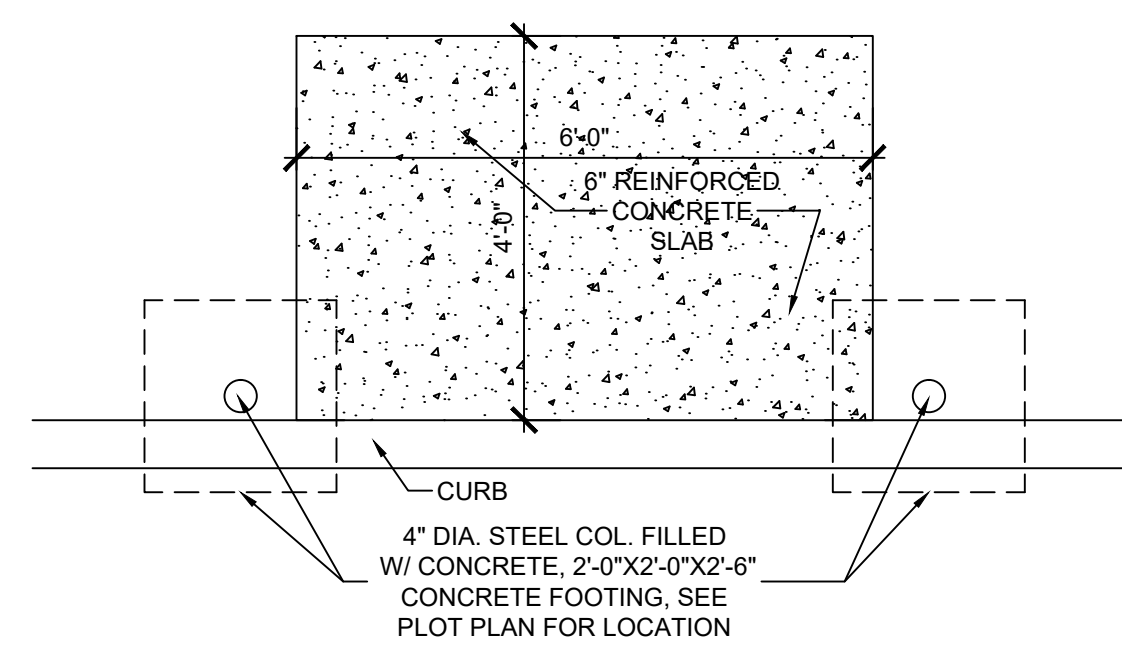
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BUILDING SECTIONS

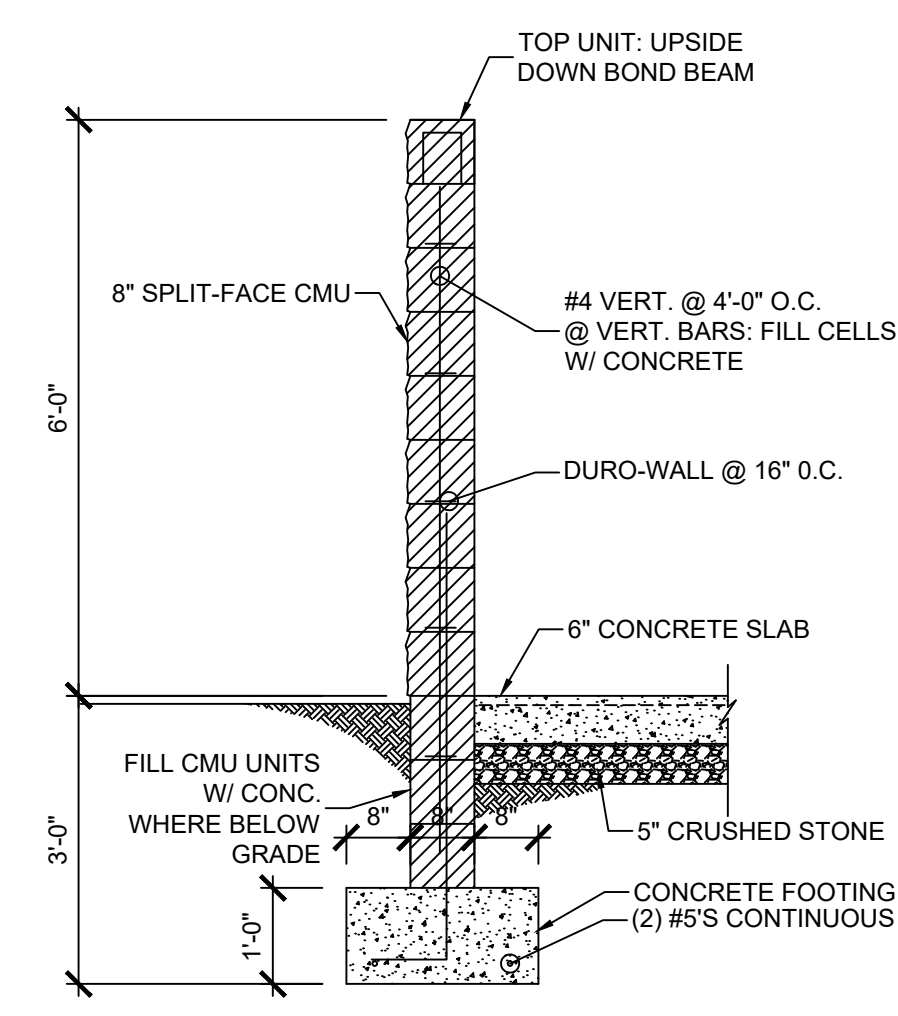
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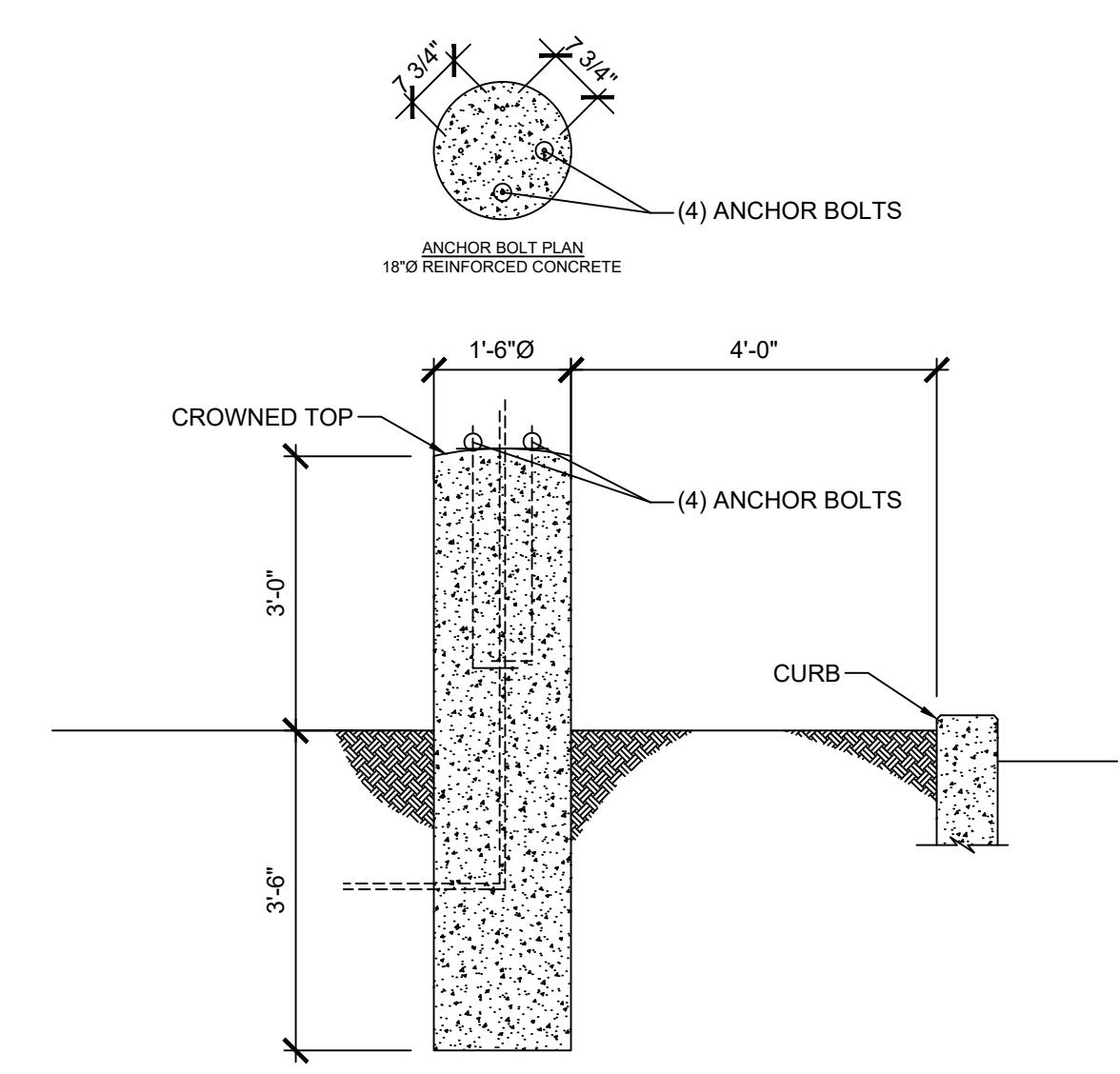
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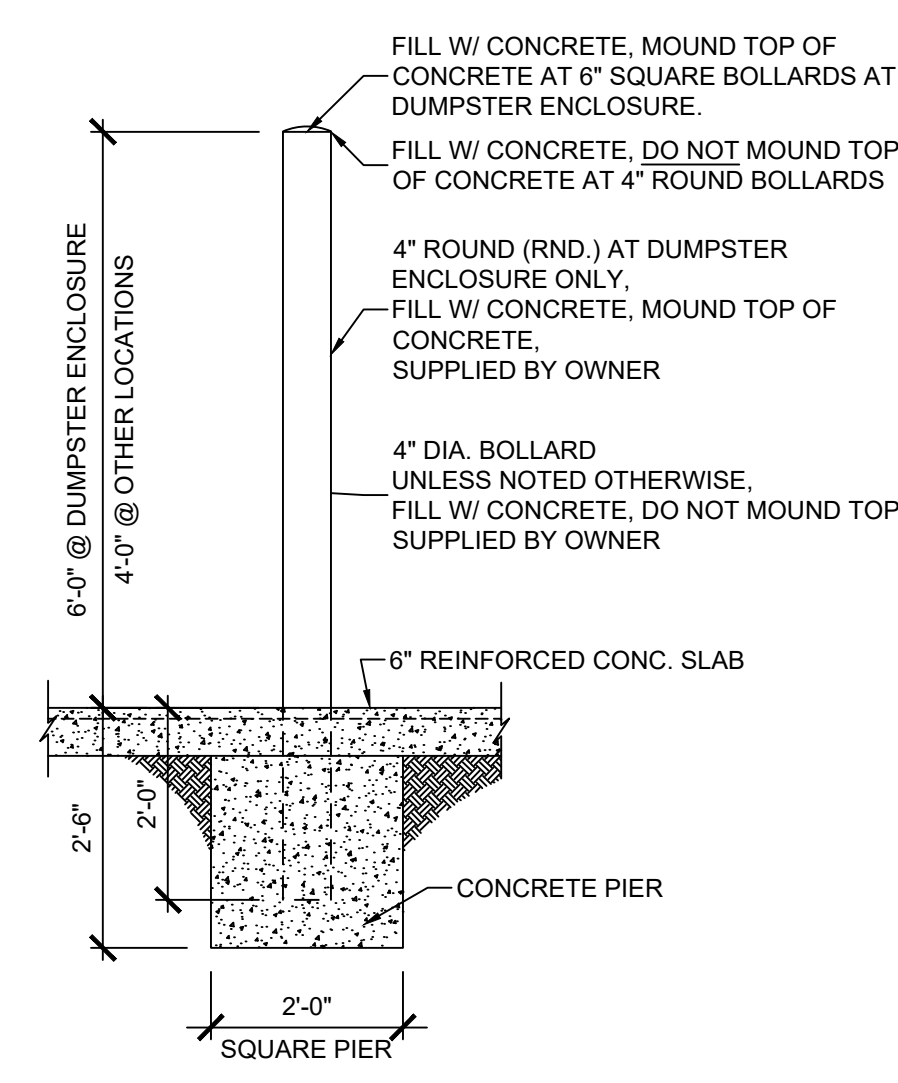
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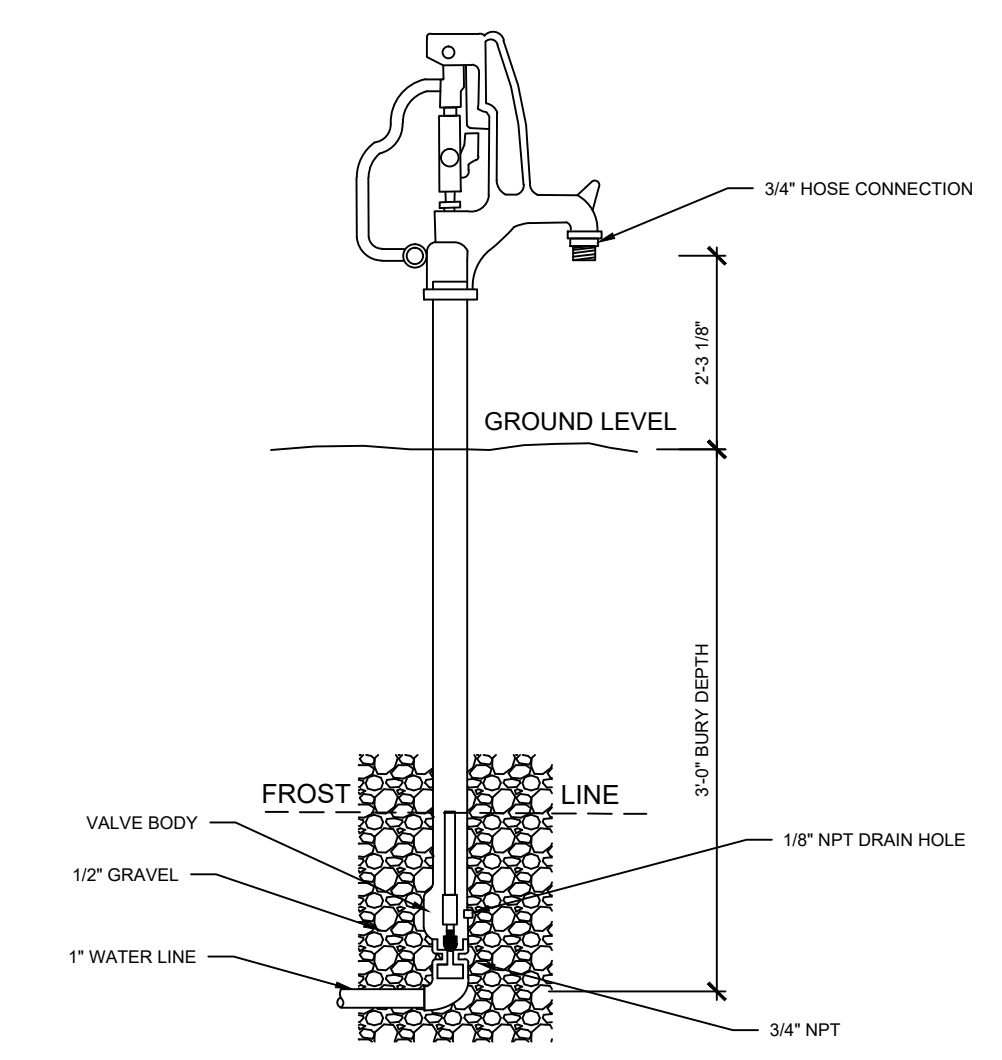
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**05 POLE LIGHT BASE**  
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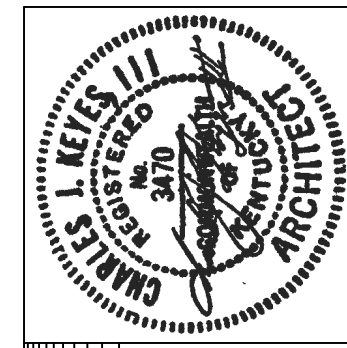


**02 TYP. PIPE BOLLARD**  
SCALE: 1/2" = 1'-0"



**08 TYP. YARD SPIGOT**  
SCALE: 1/2" = 1'-0"

**01 NOT USED**  
SCALE: 3/4" = 1'-0"

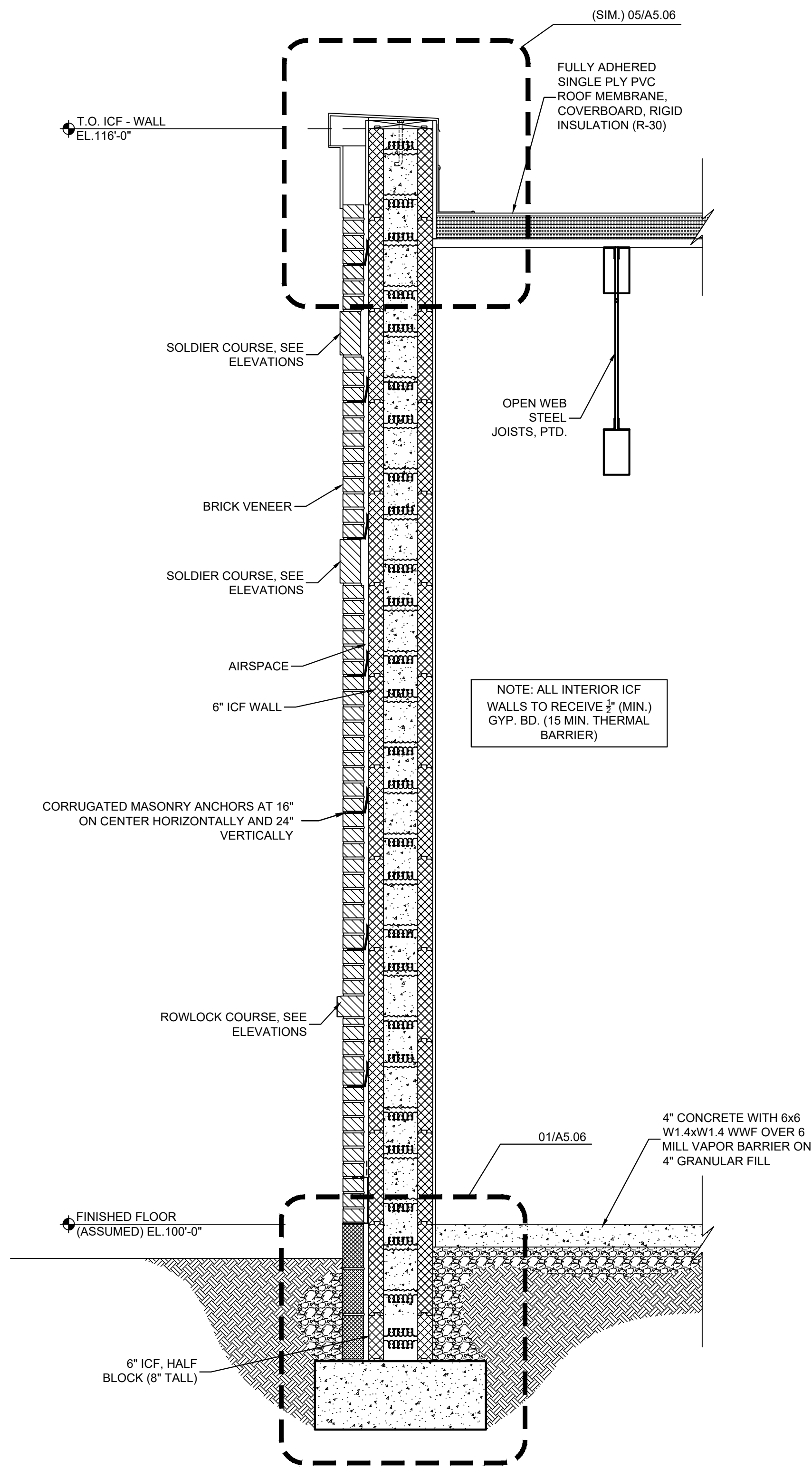


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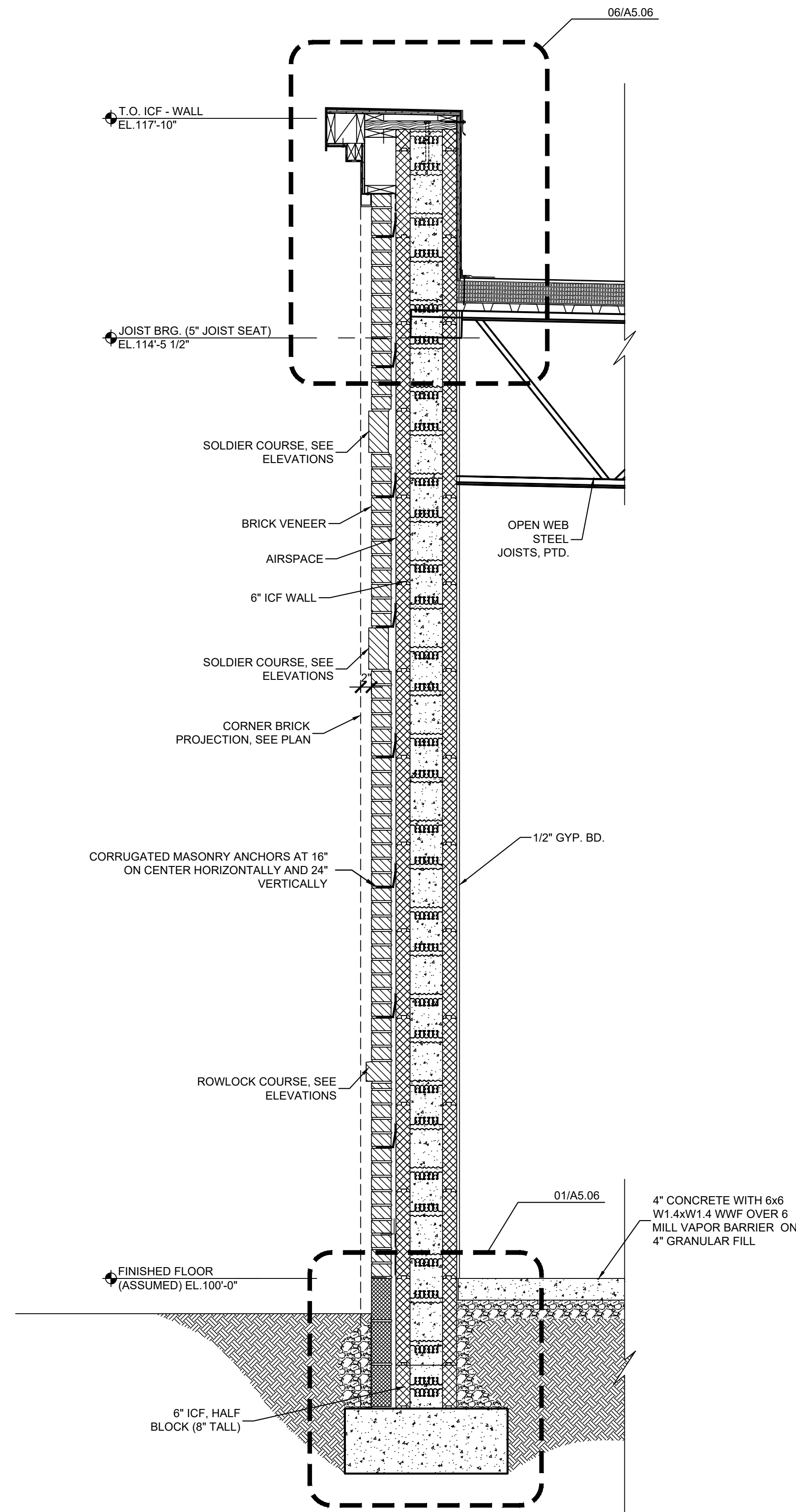
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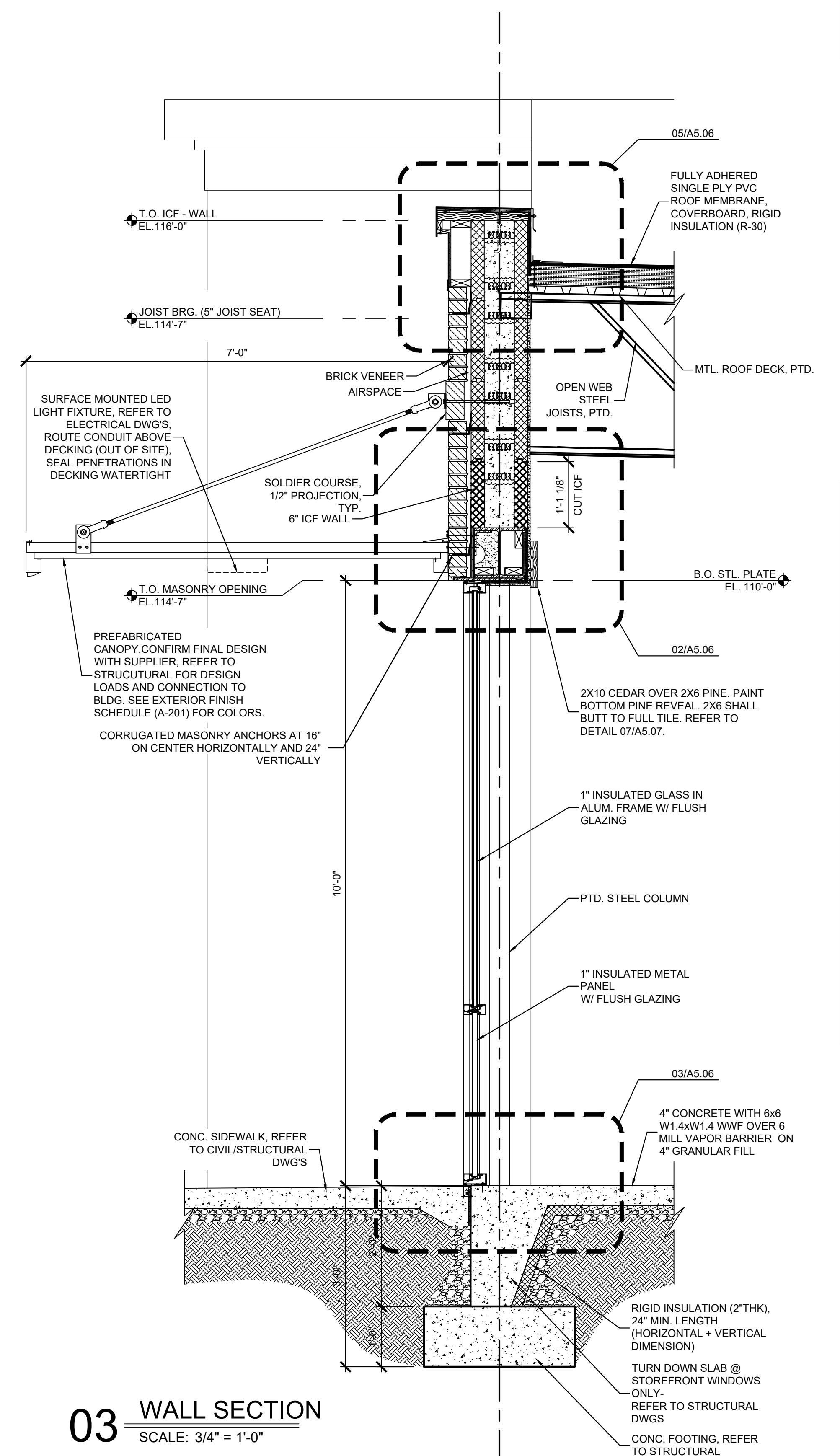
PROJECT: NEWCOMB OIL CO., LLC - FILE: A5.03 Wall Sections & Details.dwg - DATE: Jun 28, 2022 12:10PM - BY: NICK MCCART



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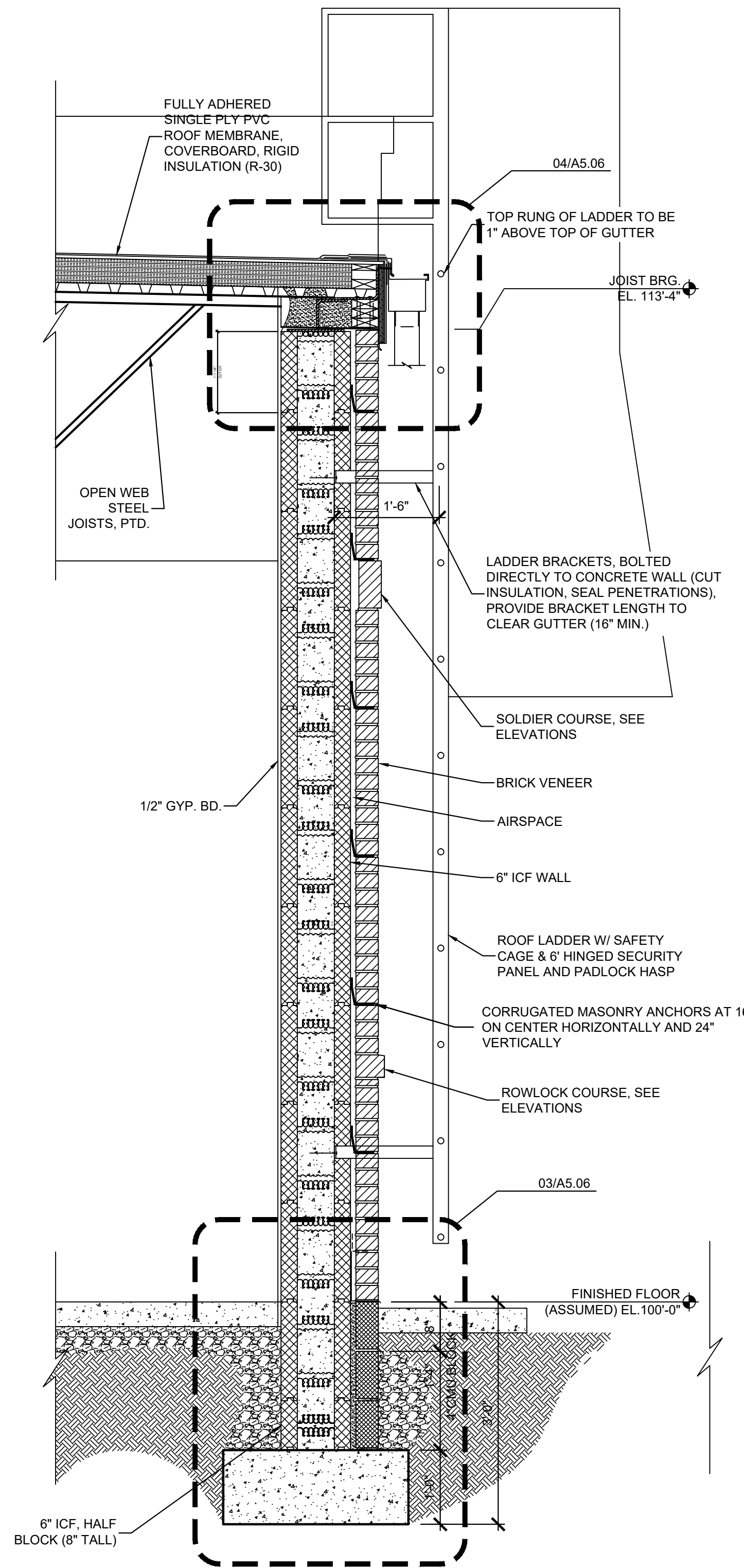
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SCALE: 3/4" = 1'-0"

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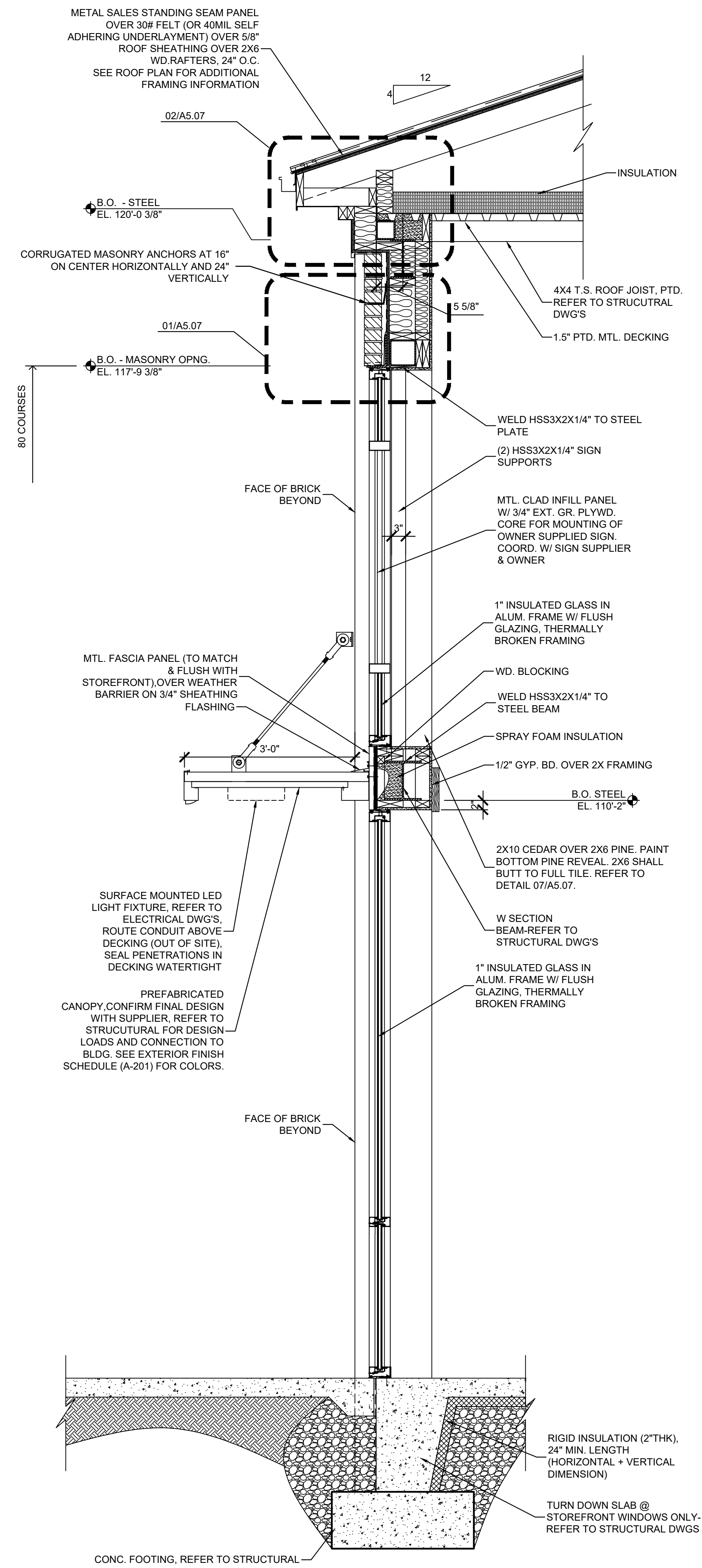


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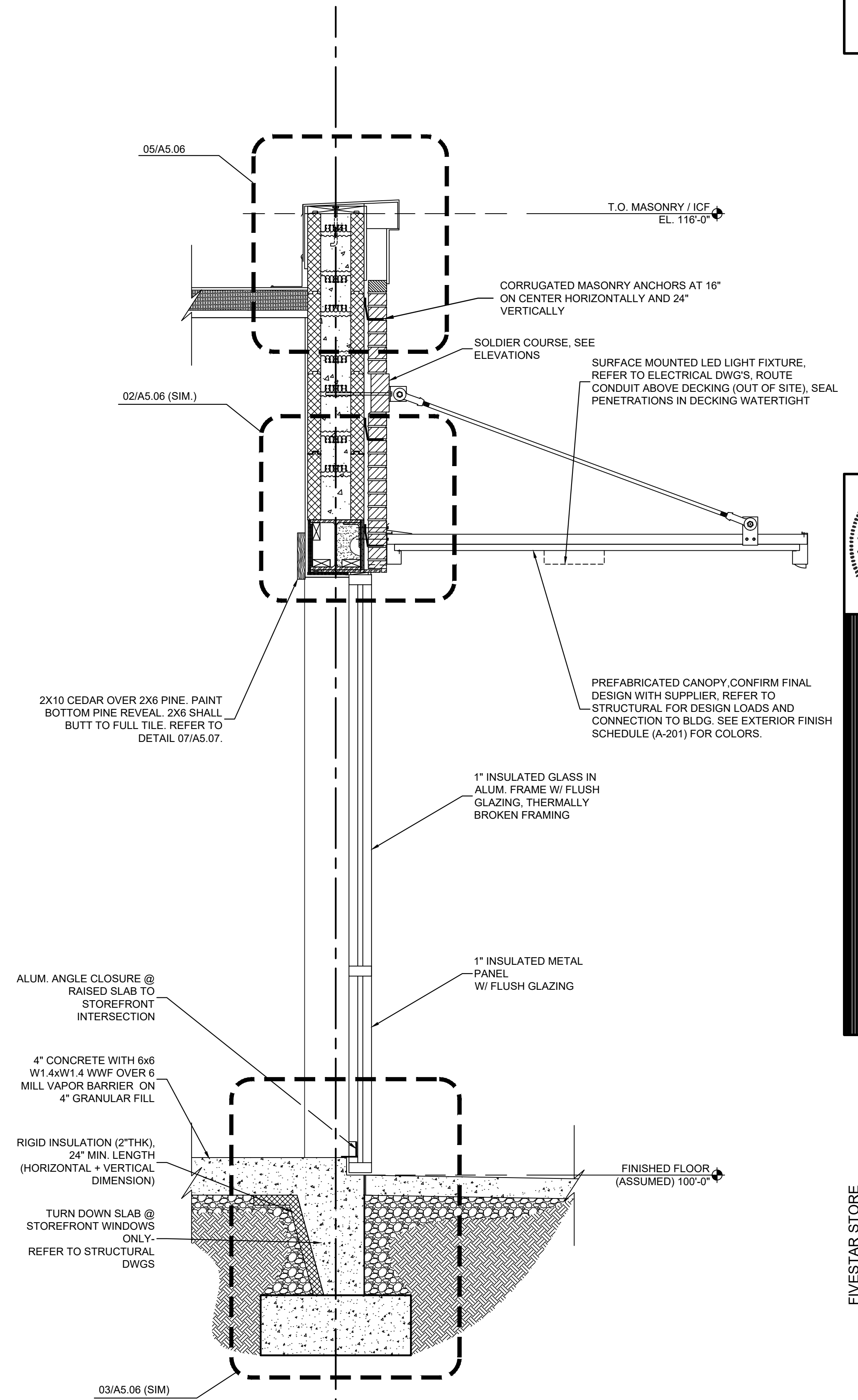
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**01 WALL SECTION**  
SCALE: 3/4" = 1'-0"



**02 WALL SECTION**  
SCALE: 3/4" = 1'-0"



**03 WALL SECTION**  
SCALE: 3/4" = 1'-0"

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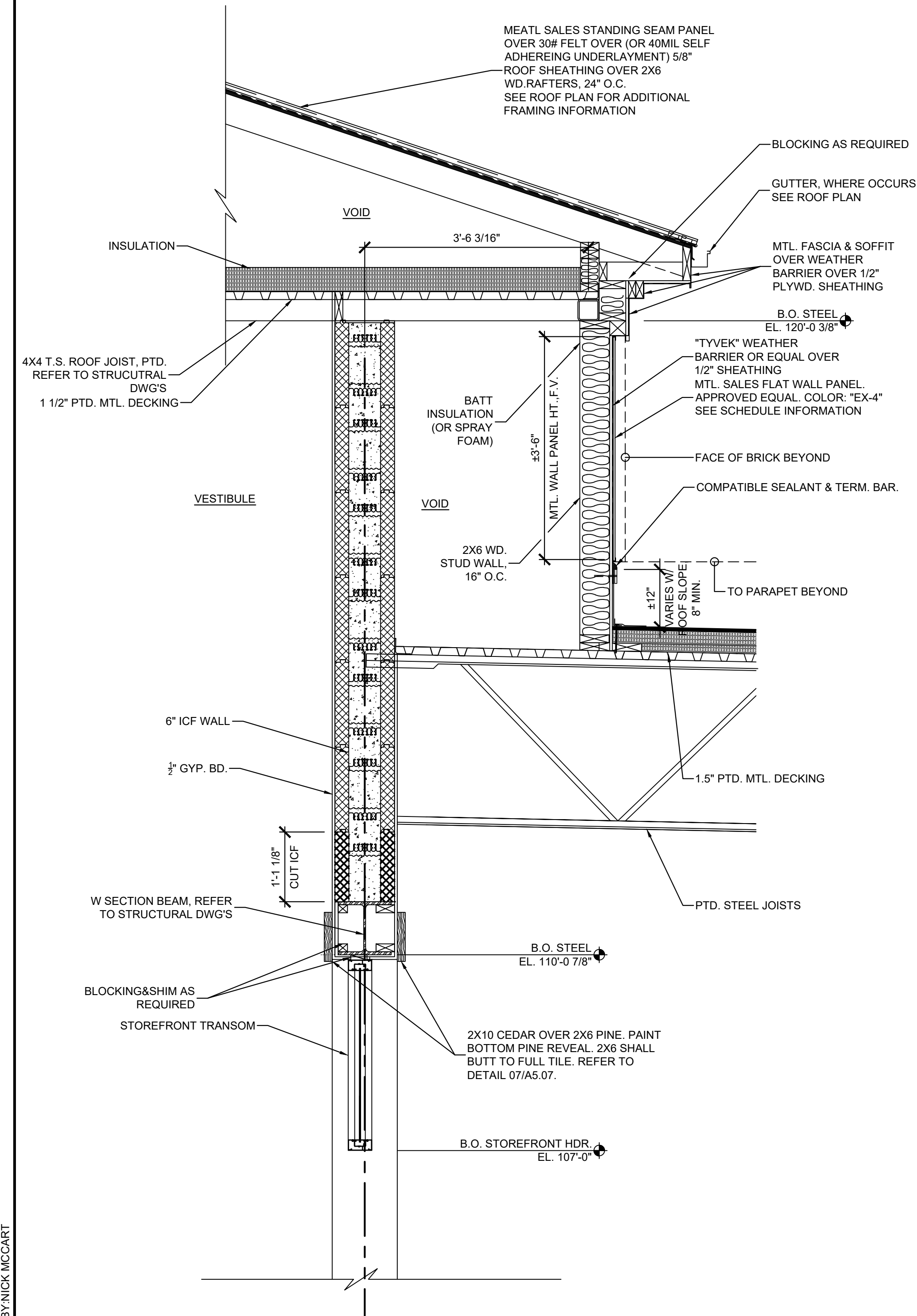


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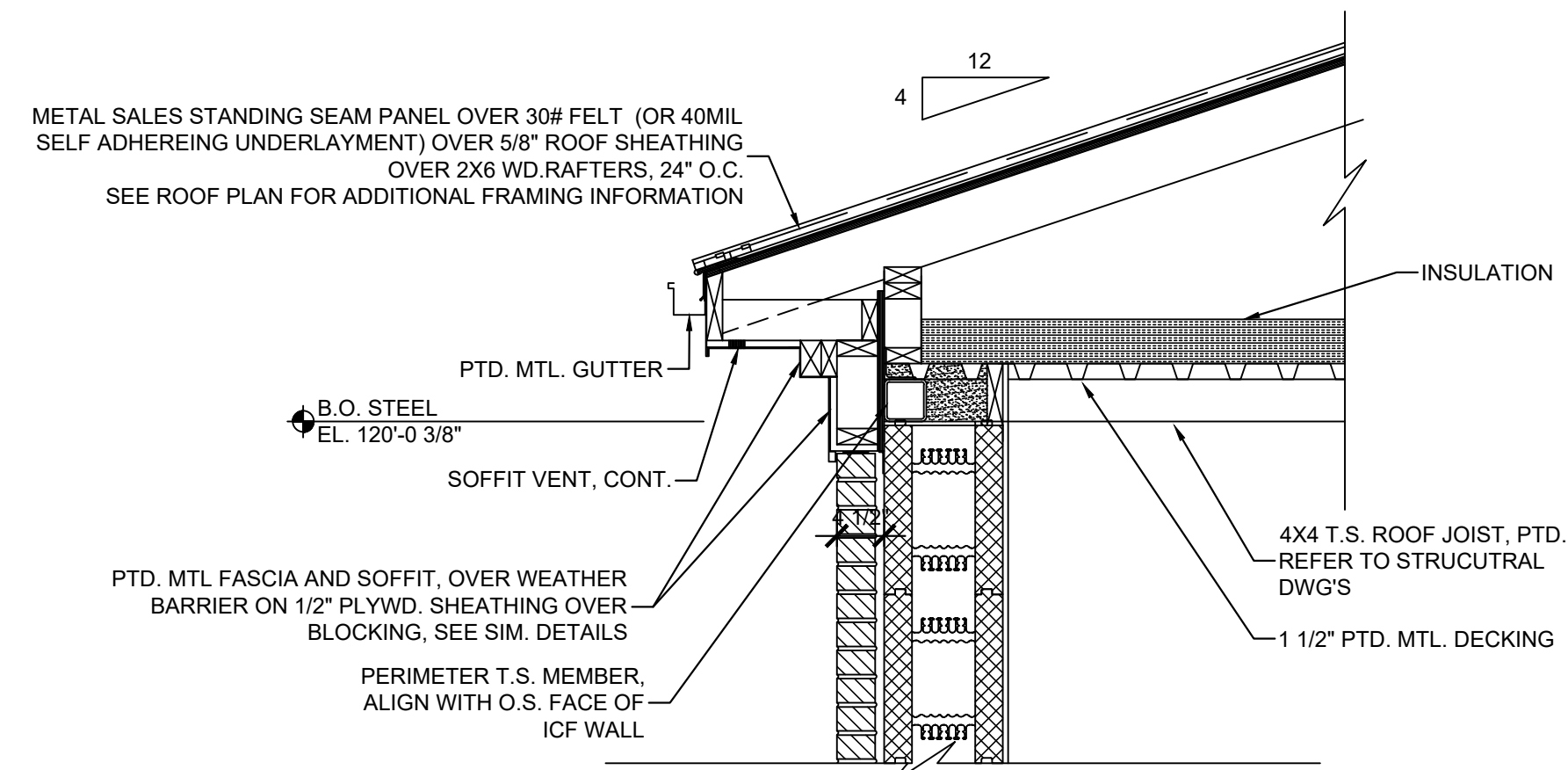
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WALL SECTIONS & DETAILS

**A5.04**

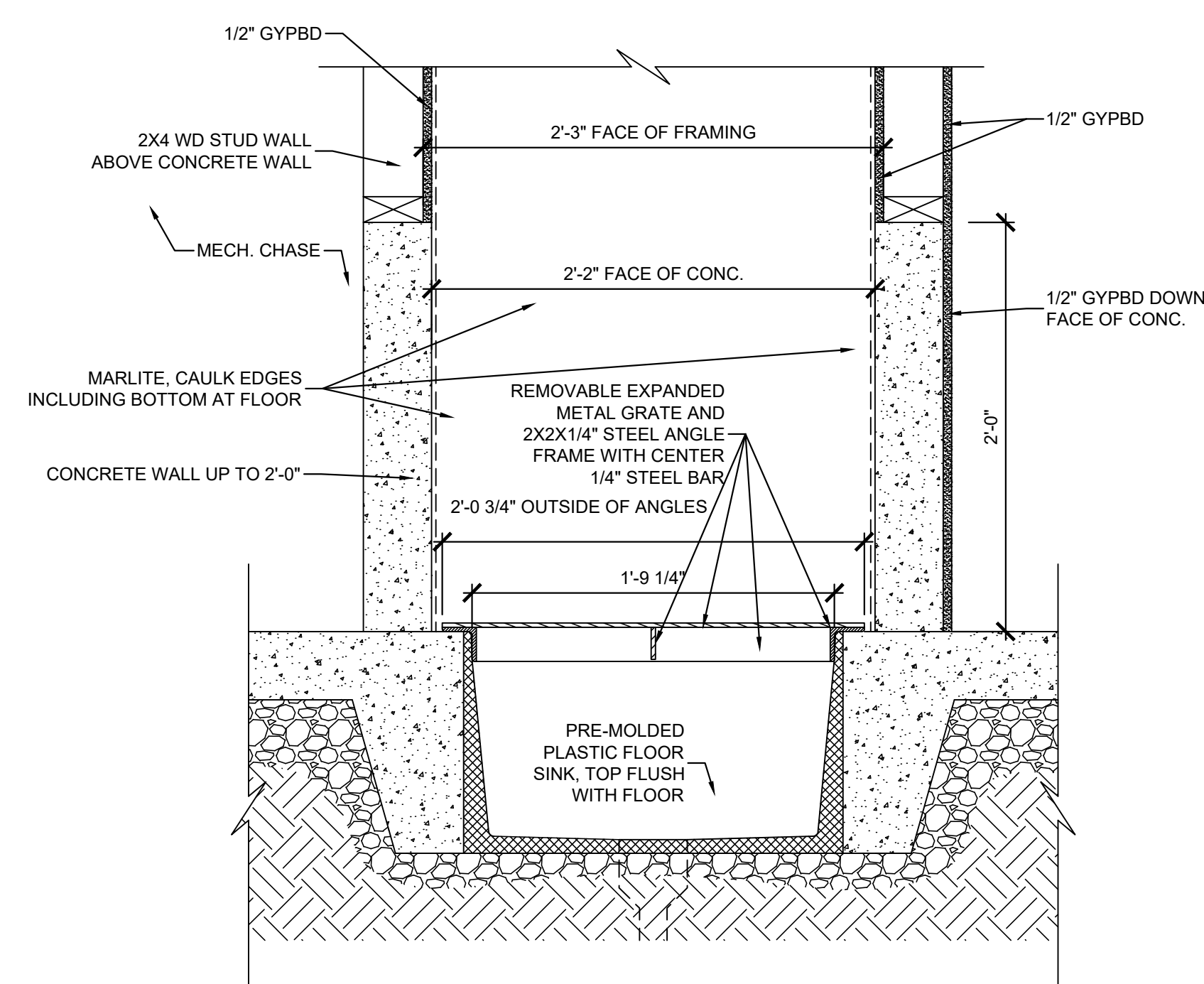


**01 WALL SECTION**  
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**02 FLOOR SINK SECTION**  
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**03 WALL SECTION**  
SCALE: 3/4" = 1'-0"



PROJECT: NEWCOMB OIL CO., LLC - FILE: A5.05 Wall Sections & Details.dwg - DATE: Jun 28, 2022 12:11PM - BY: NICK MCCART



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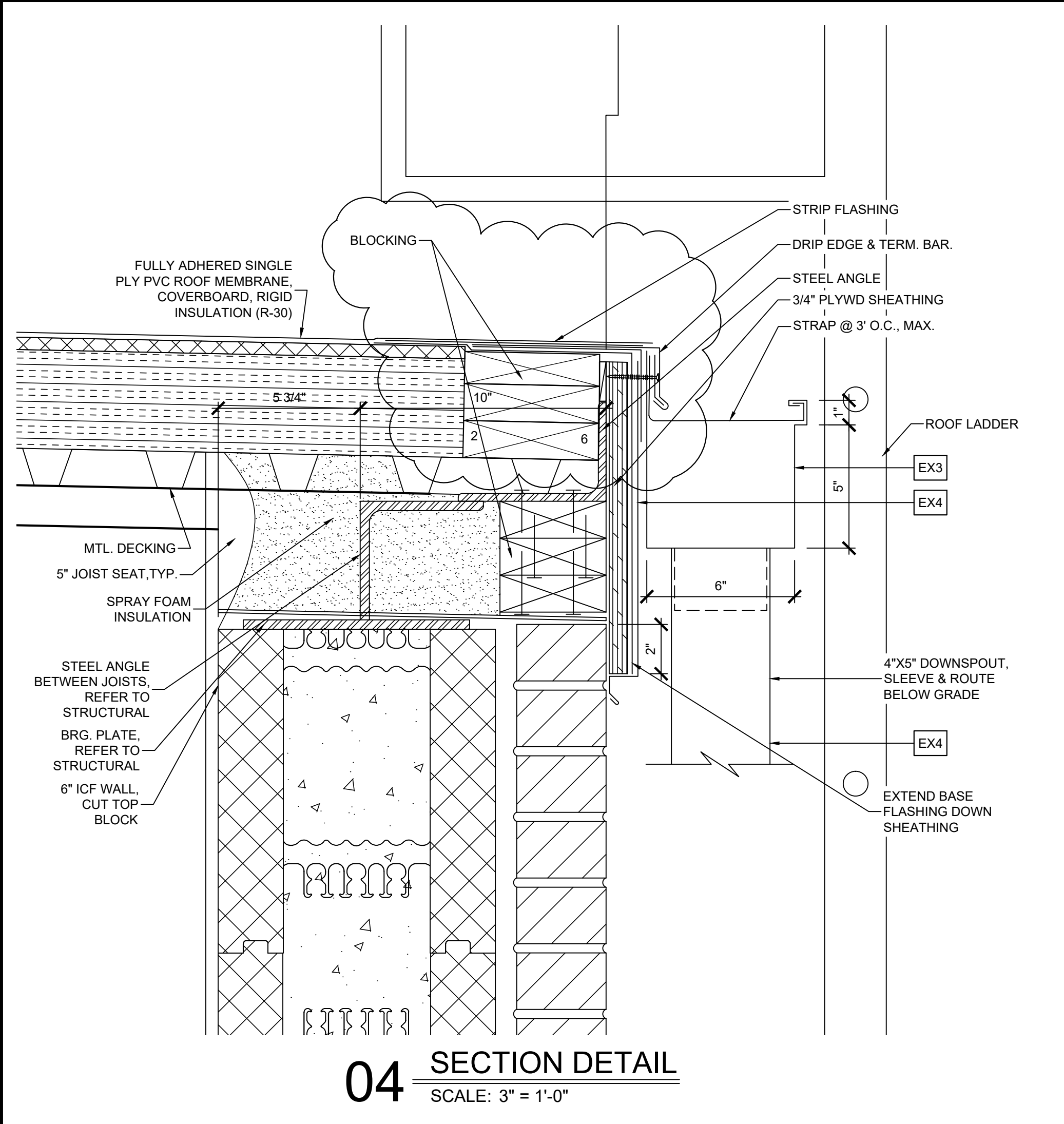
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WALL SECTIONS & DETAILS  
**A5.05**

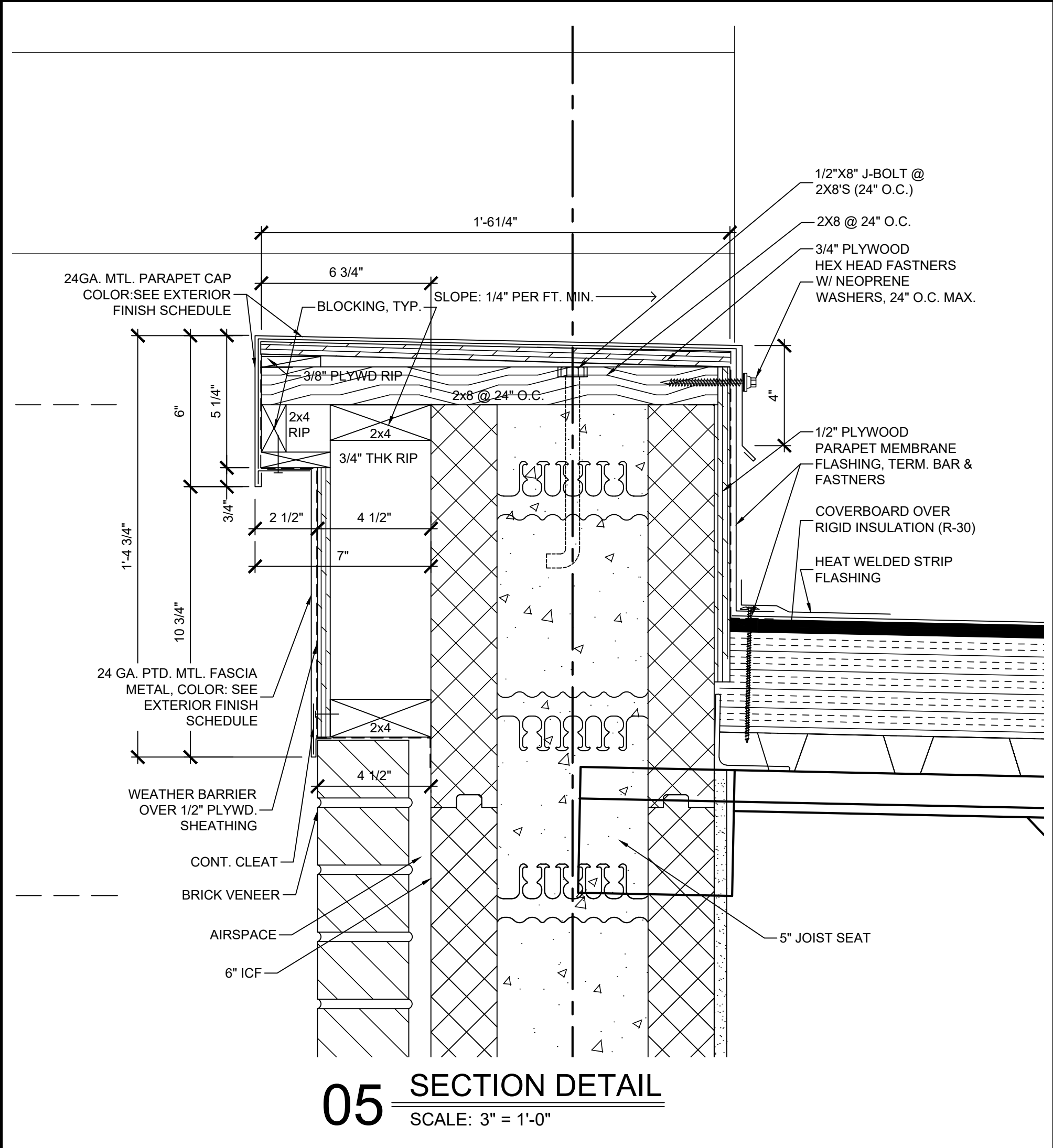


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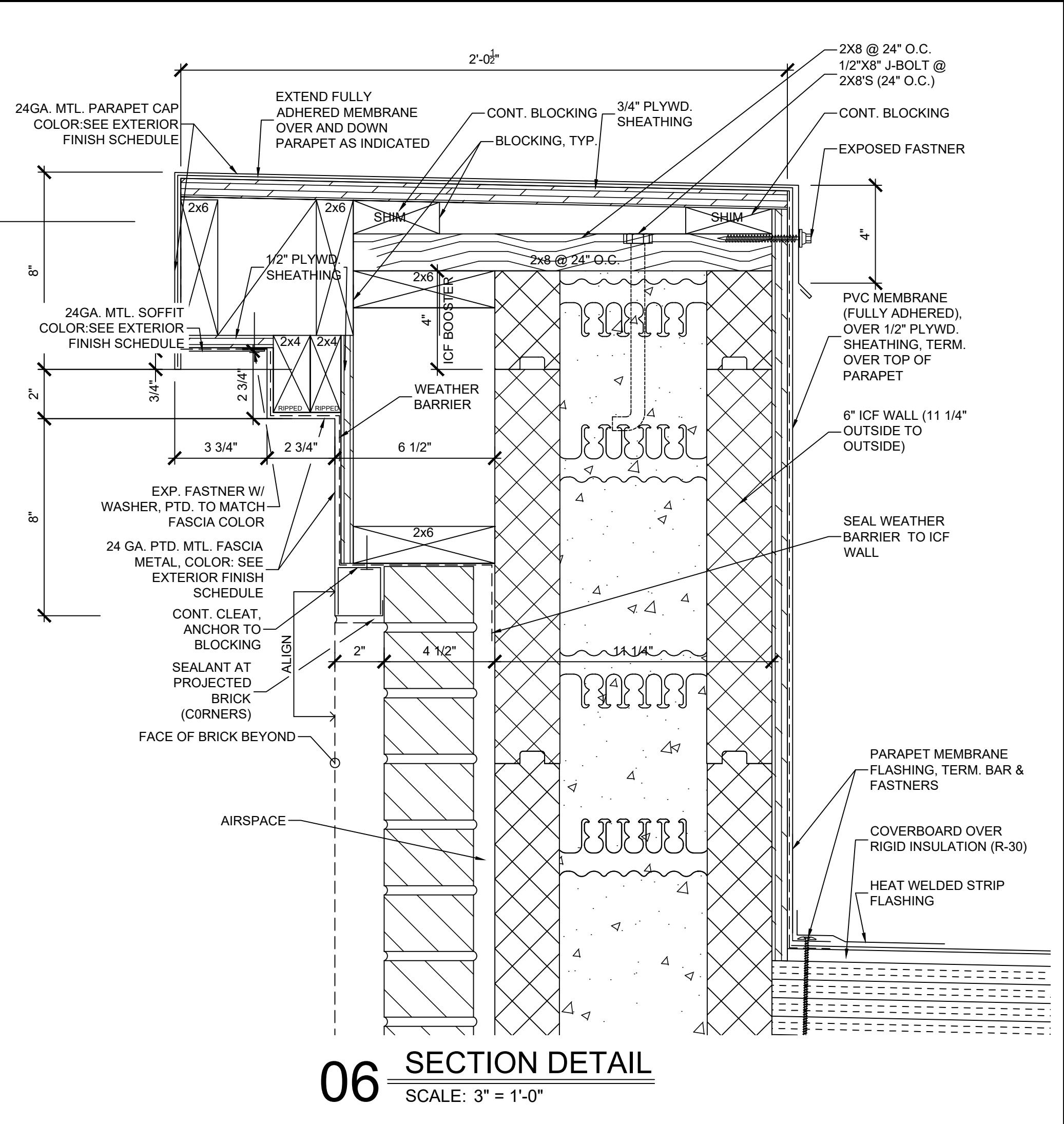
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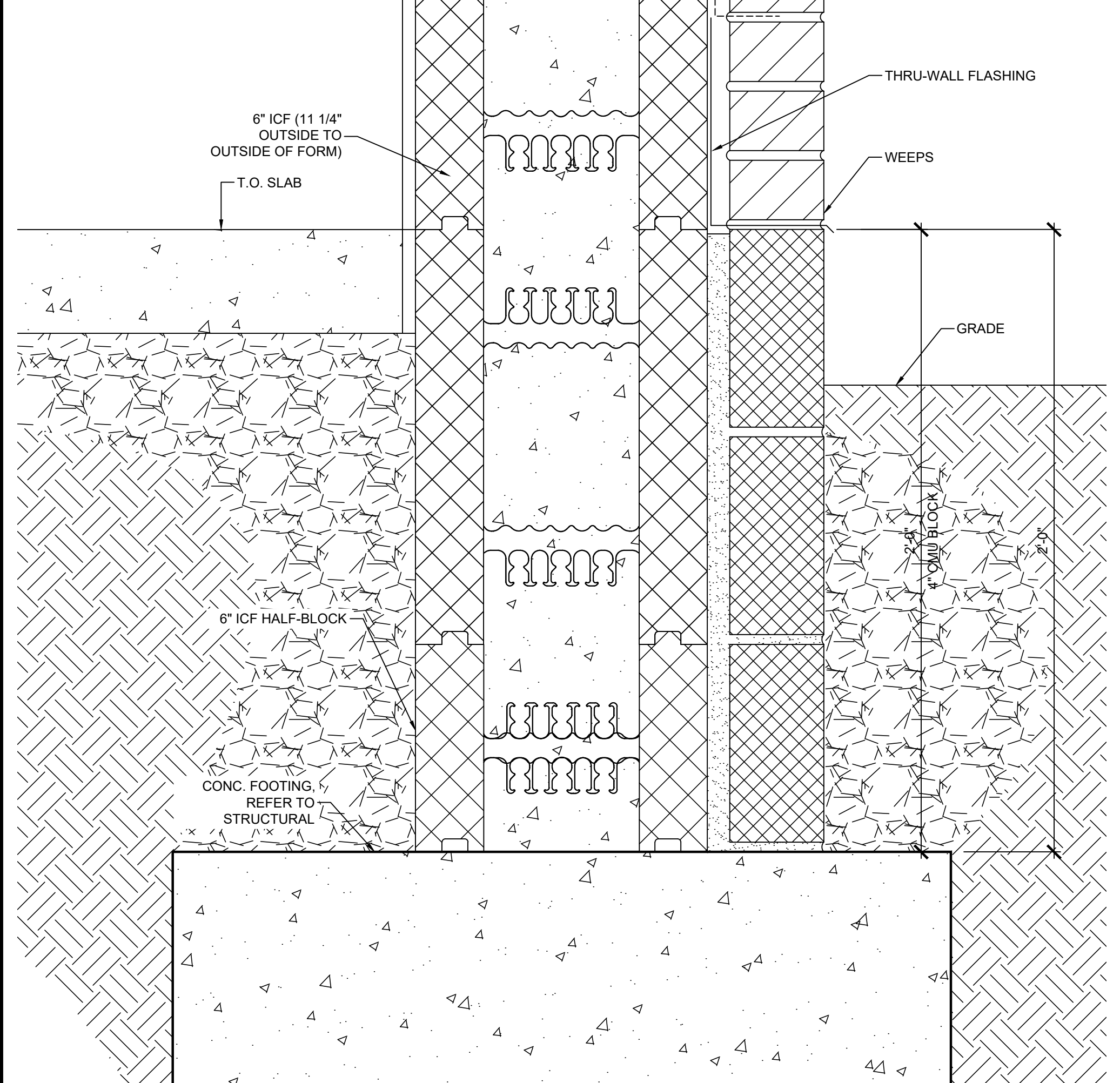
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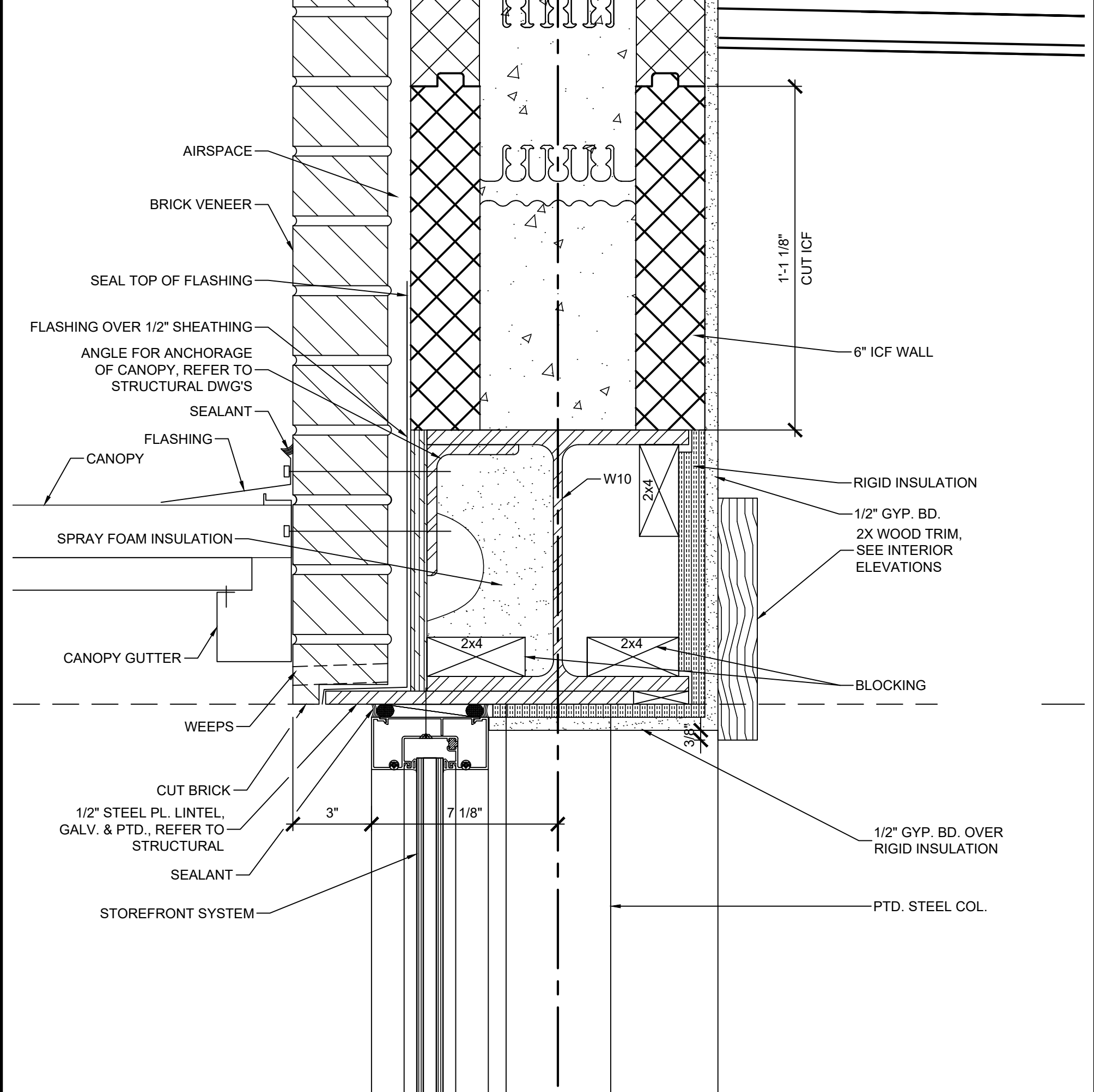
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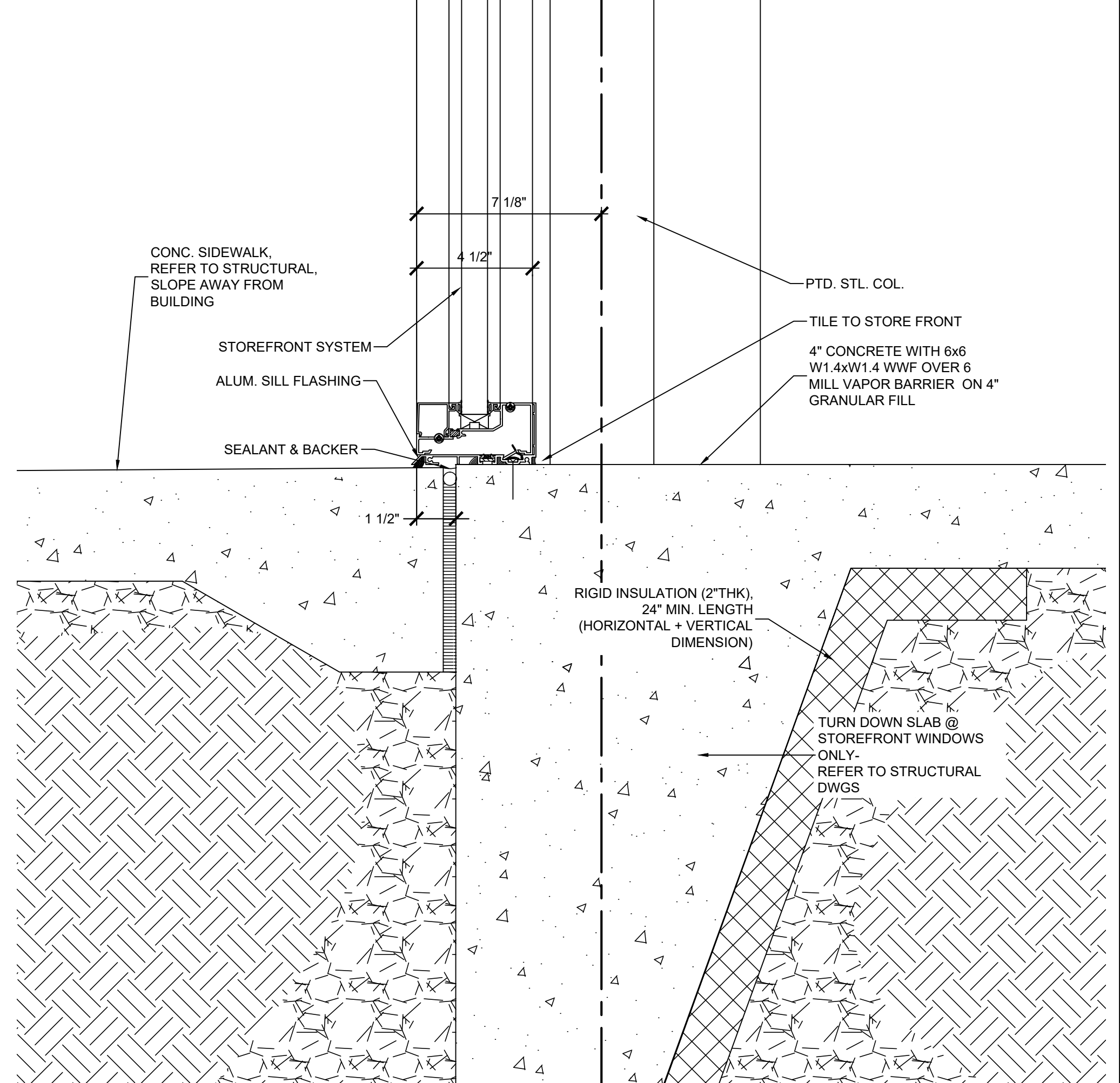
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**01 SECTION DETAIL**  
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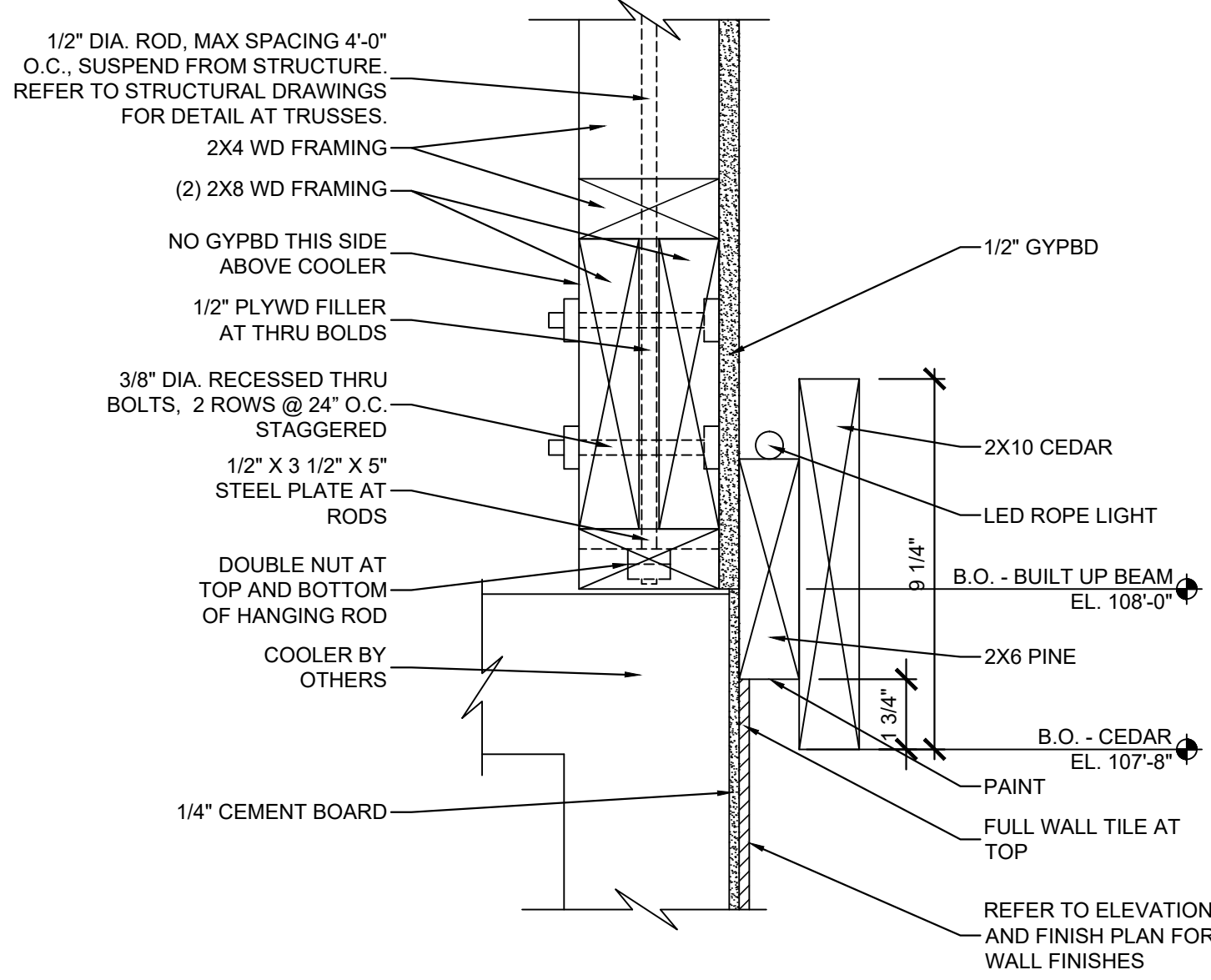
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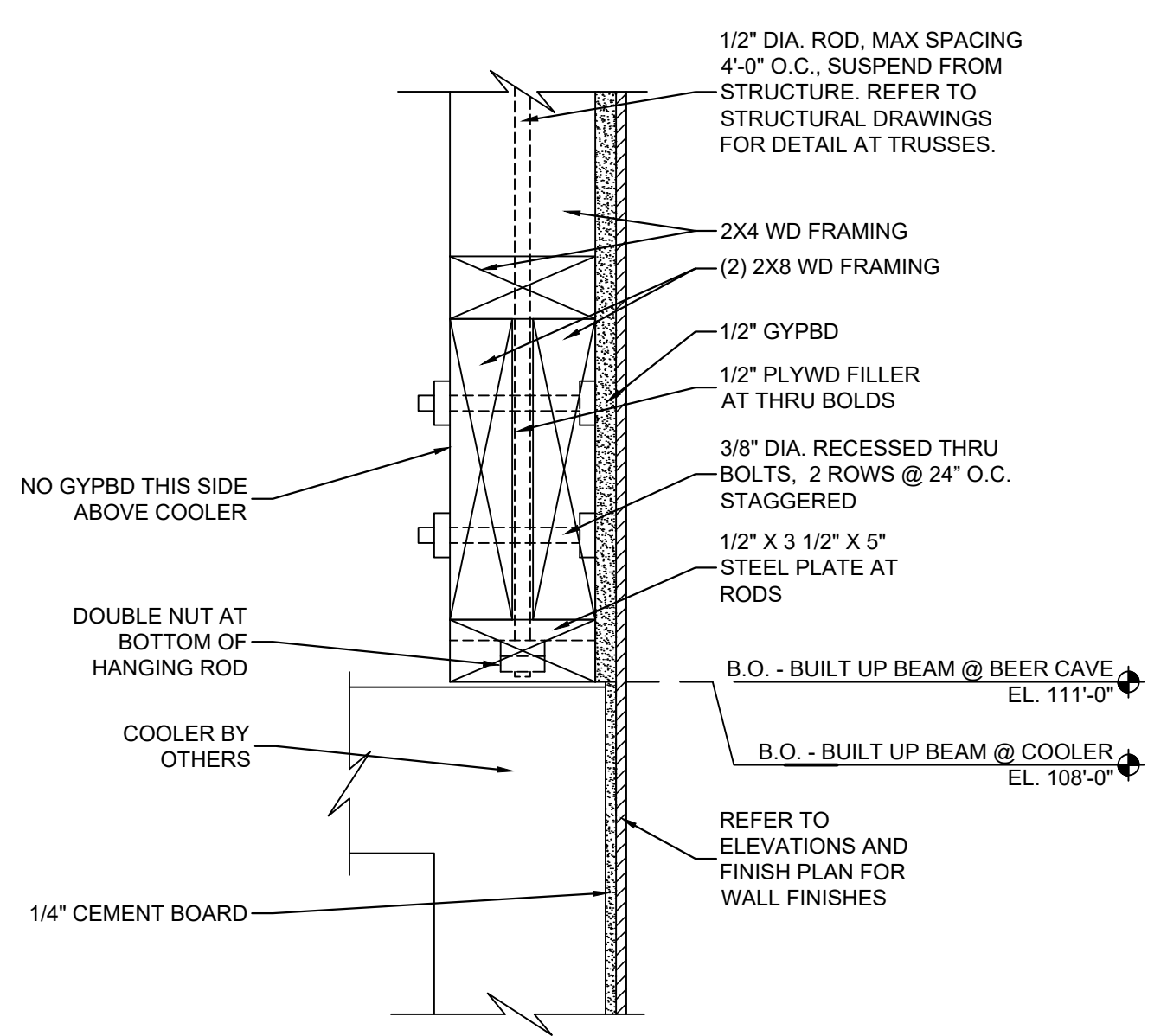
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SCALE: 3" = 1'-0"

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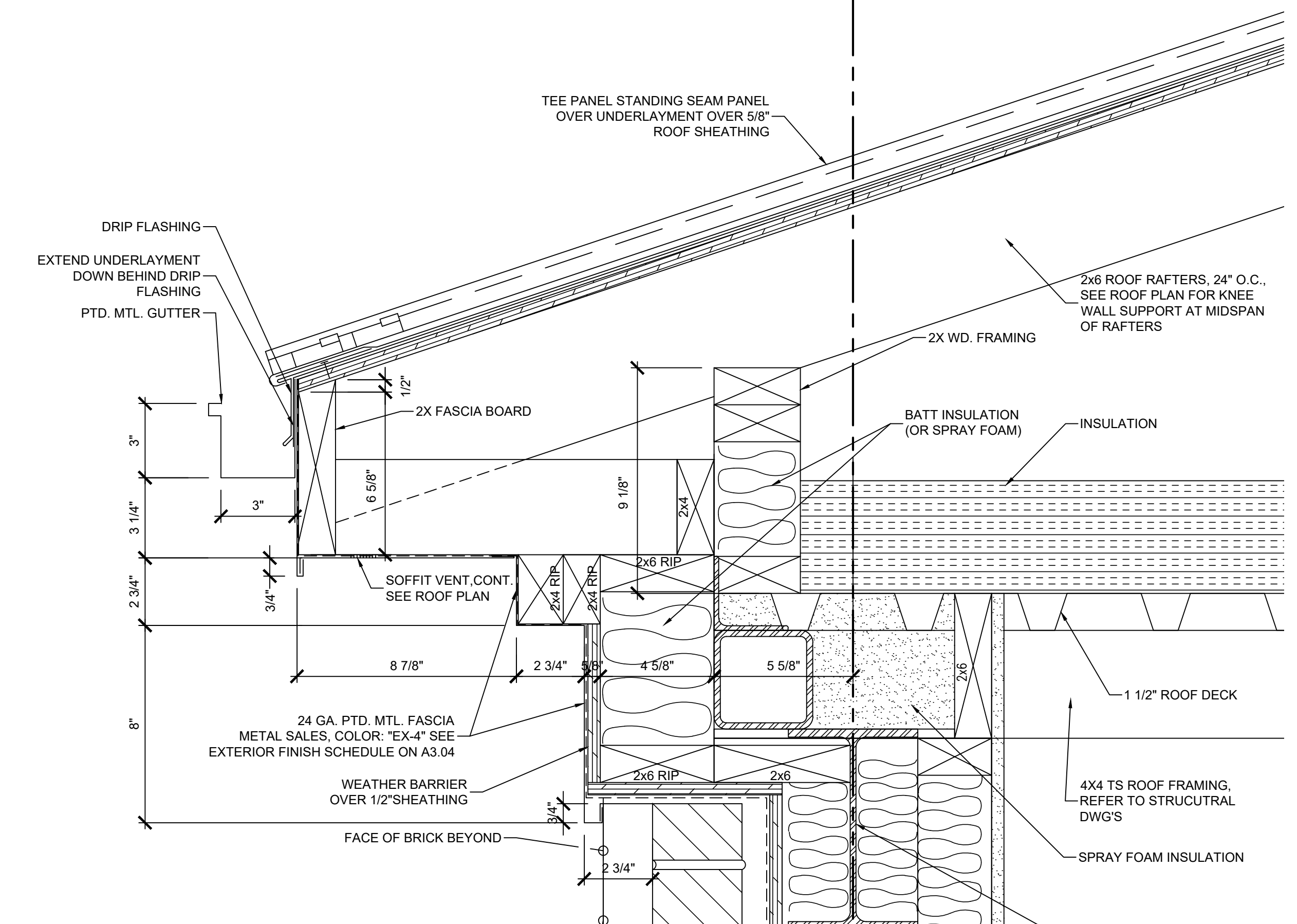
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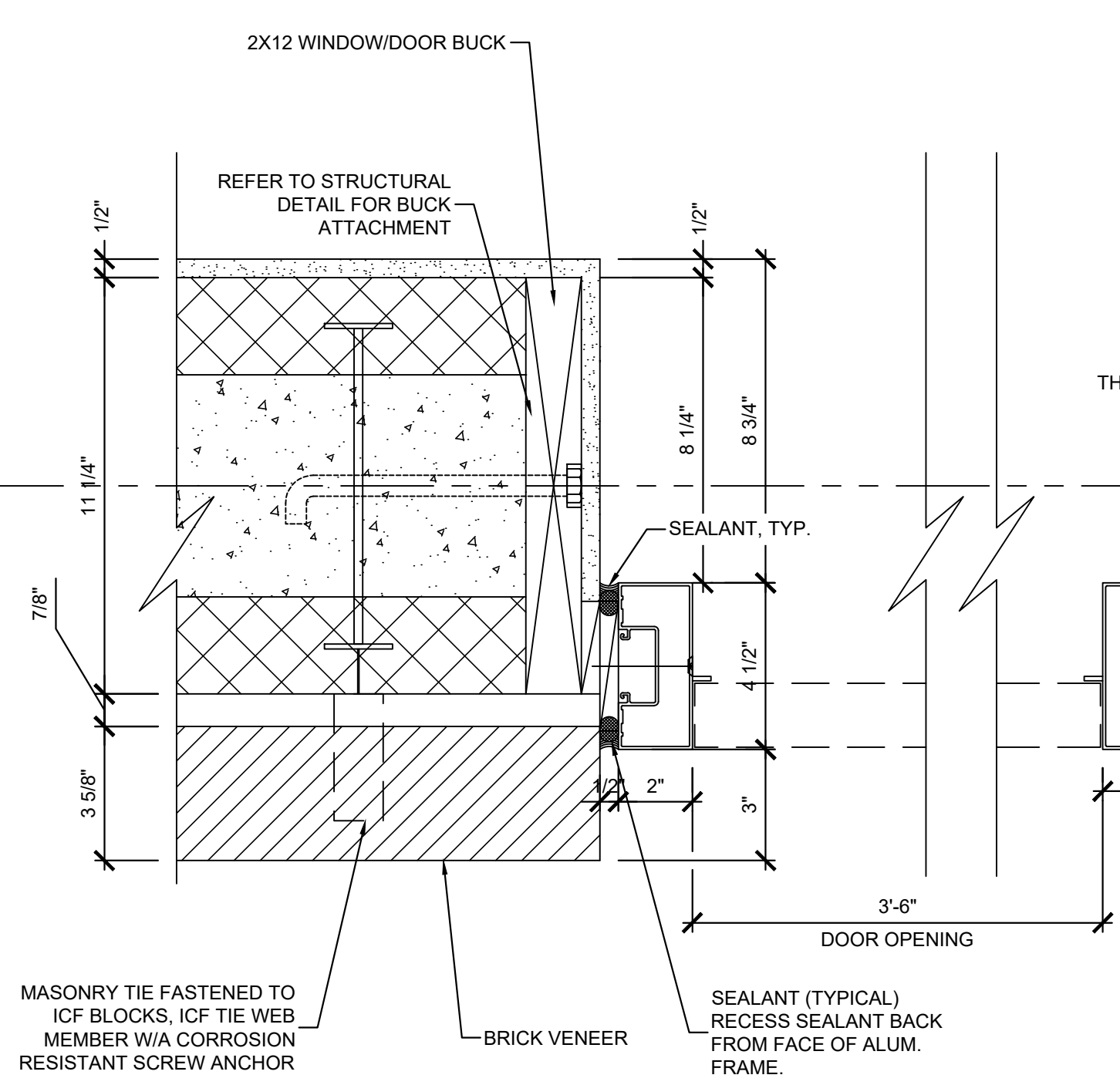
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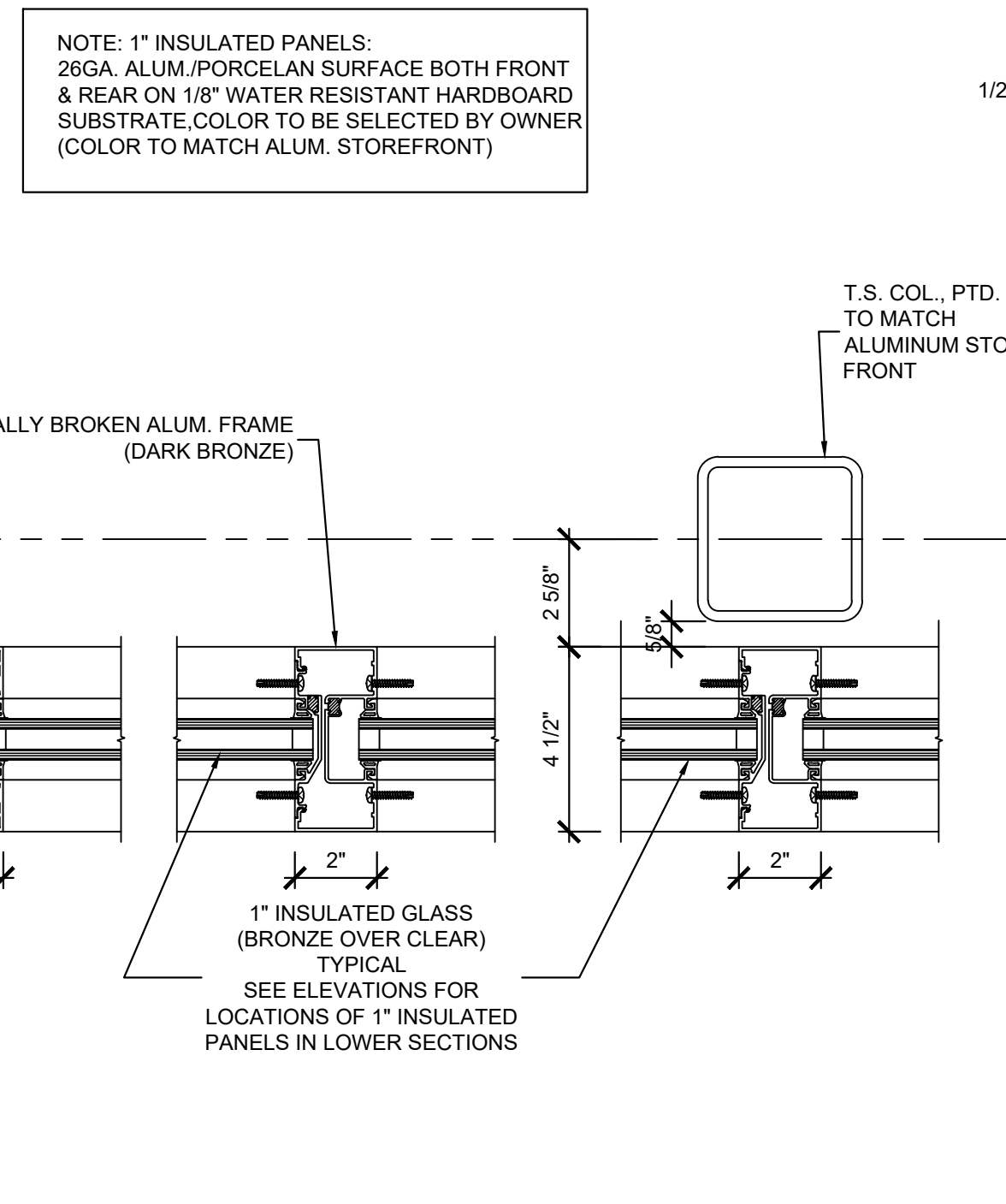
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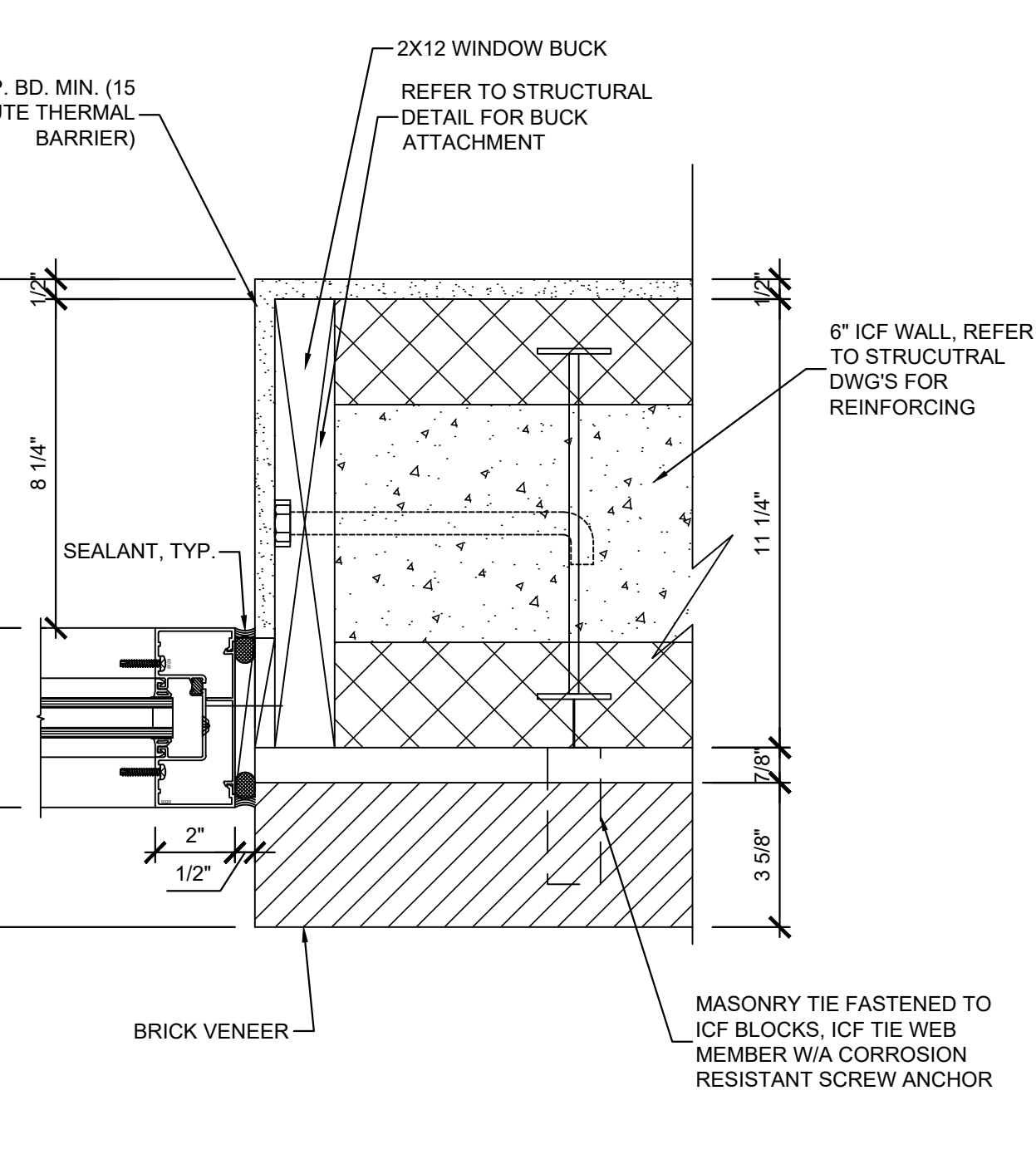
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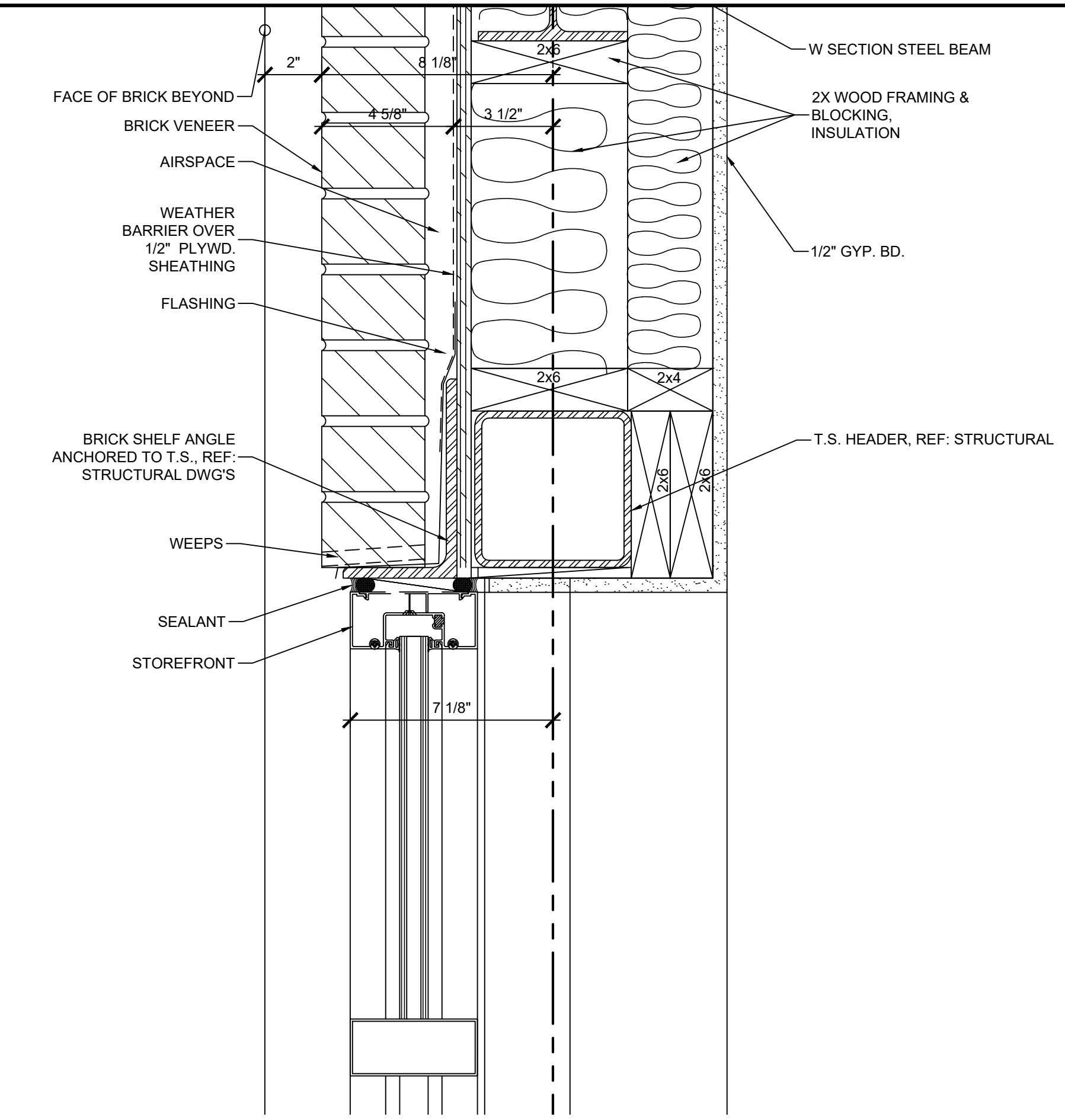
**05 STOREFRONT JAMB**  
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**04 STOREFRONT JAMB**  
SCALE: 3" = 1'-0"



**03 STOREFRONT JAMB**  
SCALE: 3" = 1'-0"



**01 SECTION DETAIL**  
SCALE: 3" = 1'-0"



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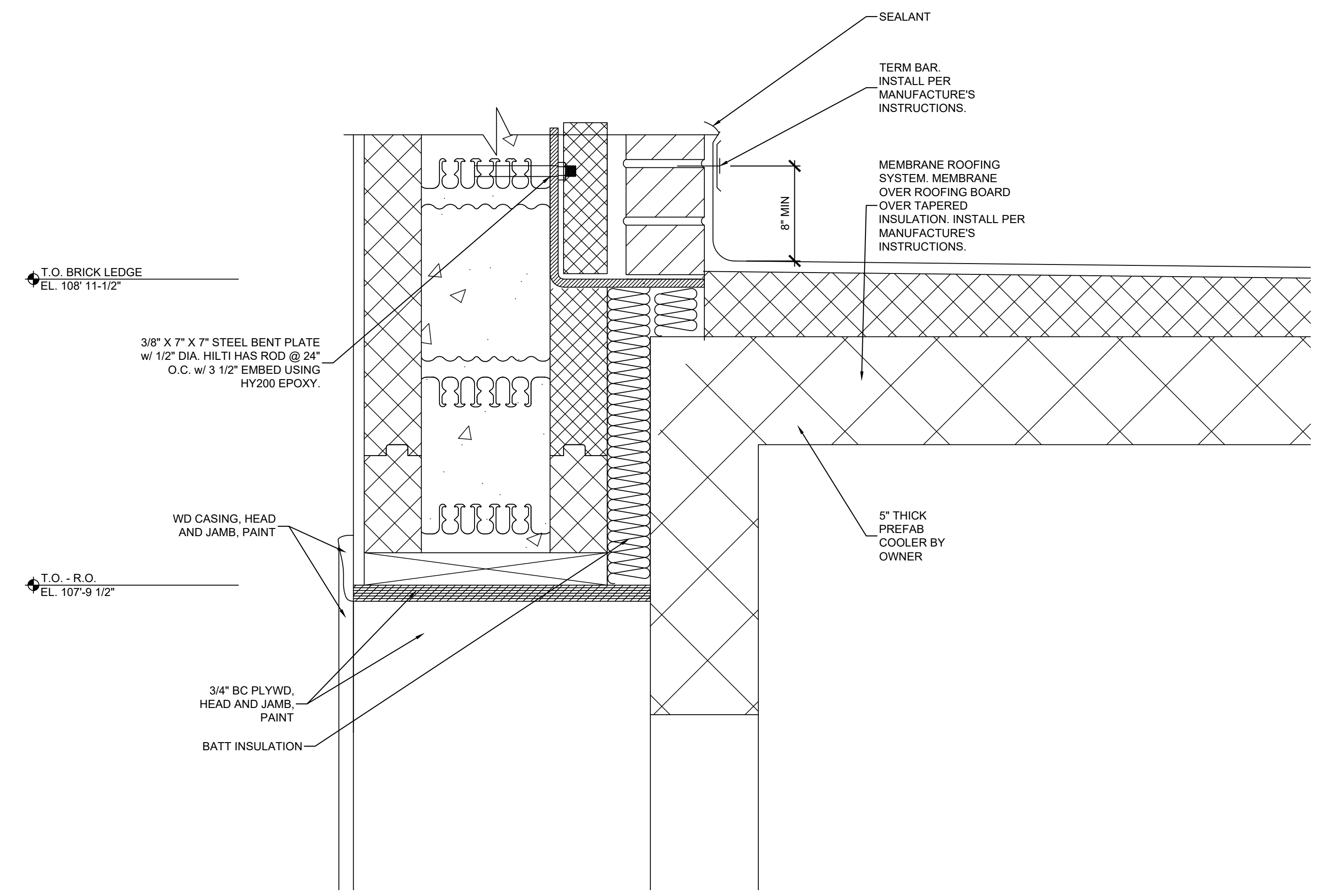
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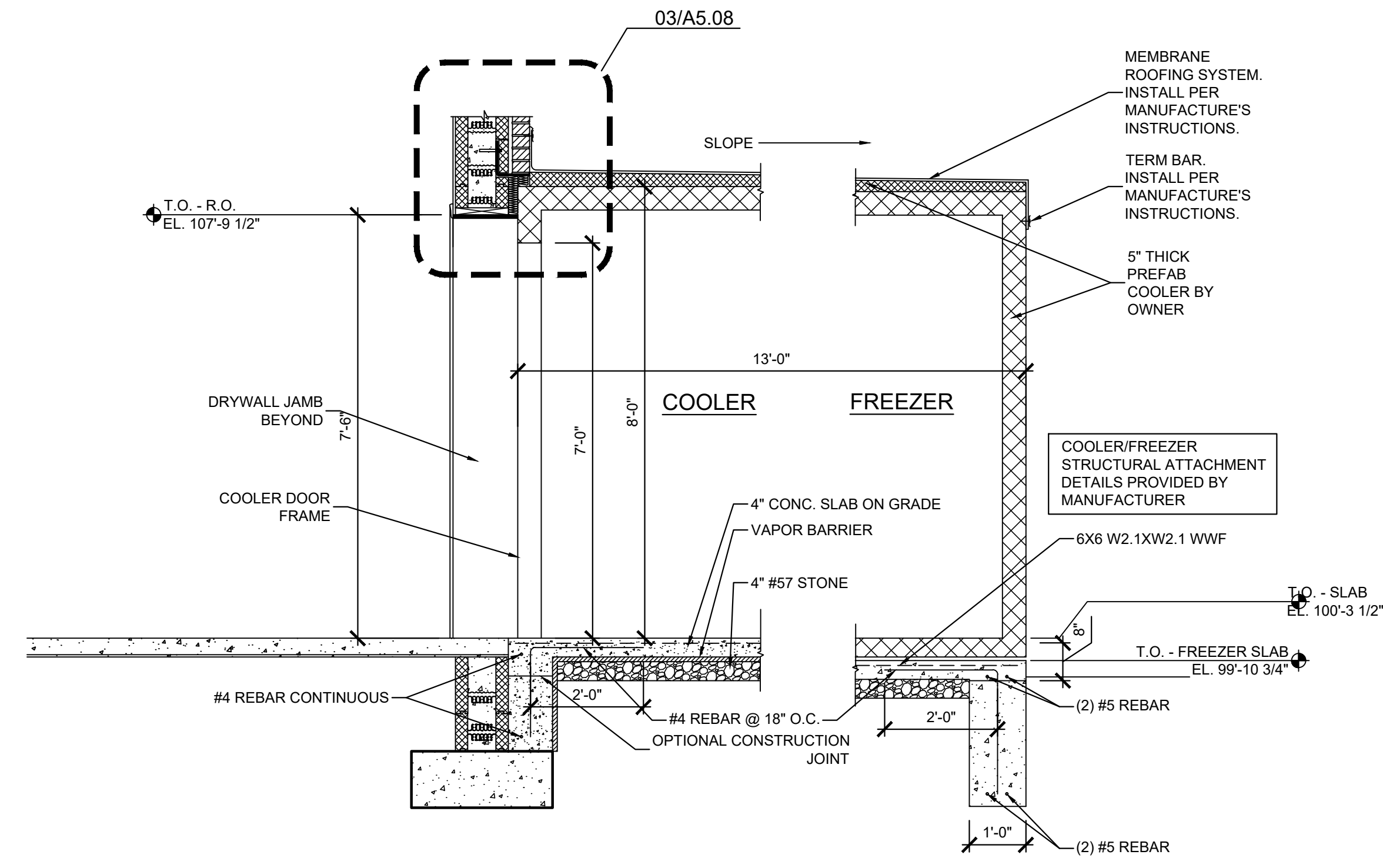
WALL SECTIONS & DETAILS  
**A5.07**

PROJECT: NEWCOMB OIL CO., LLC - FILE: A5.07 Wall Sections & Details.dwg - DATE: Jun 28, 2022 12:11PM - BY: NICK MCCART





**03 SECTION DETAIL**  
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**01 SECTION DETAIL**  
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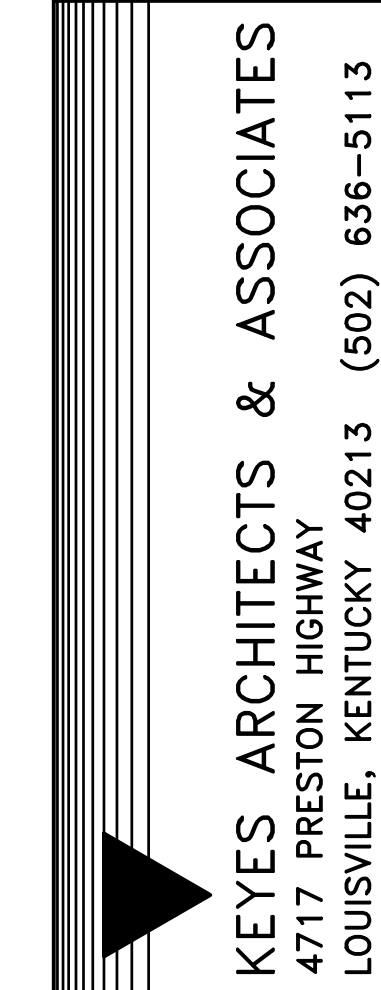
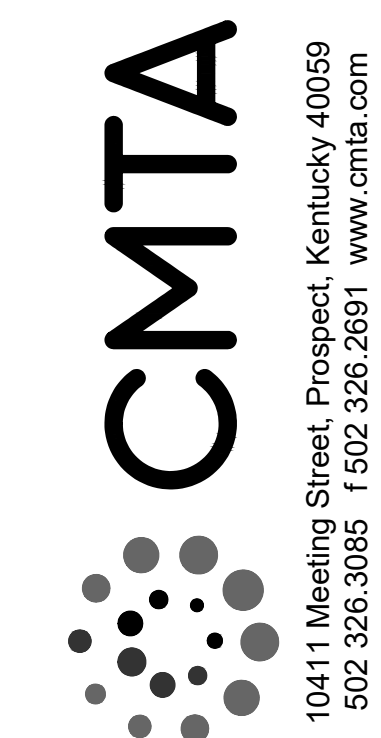
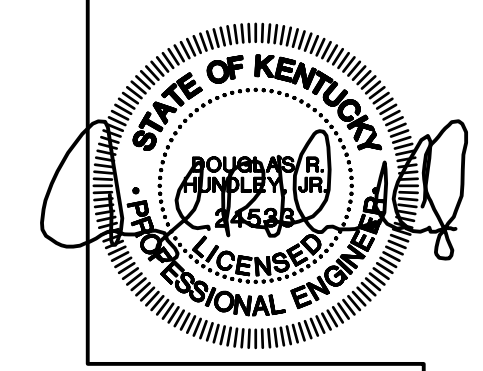
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WALL SECTIONS & DETAILS  
**A5.08**





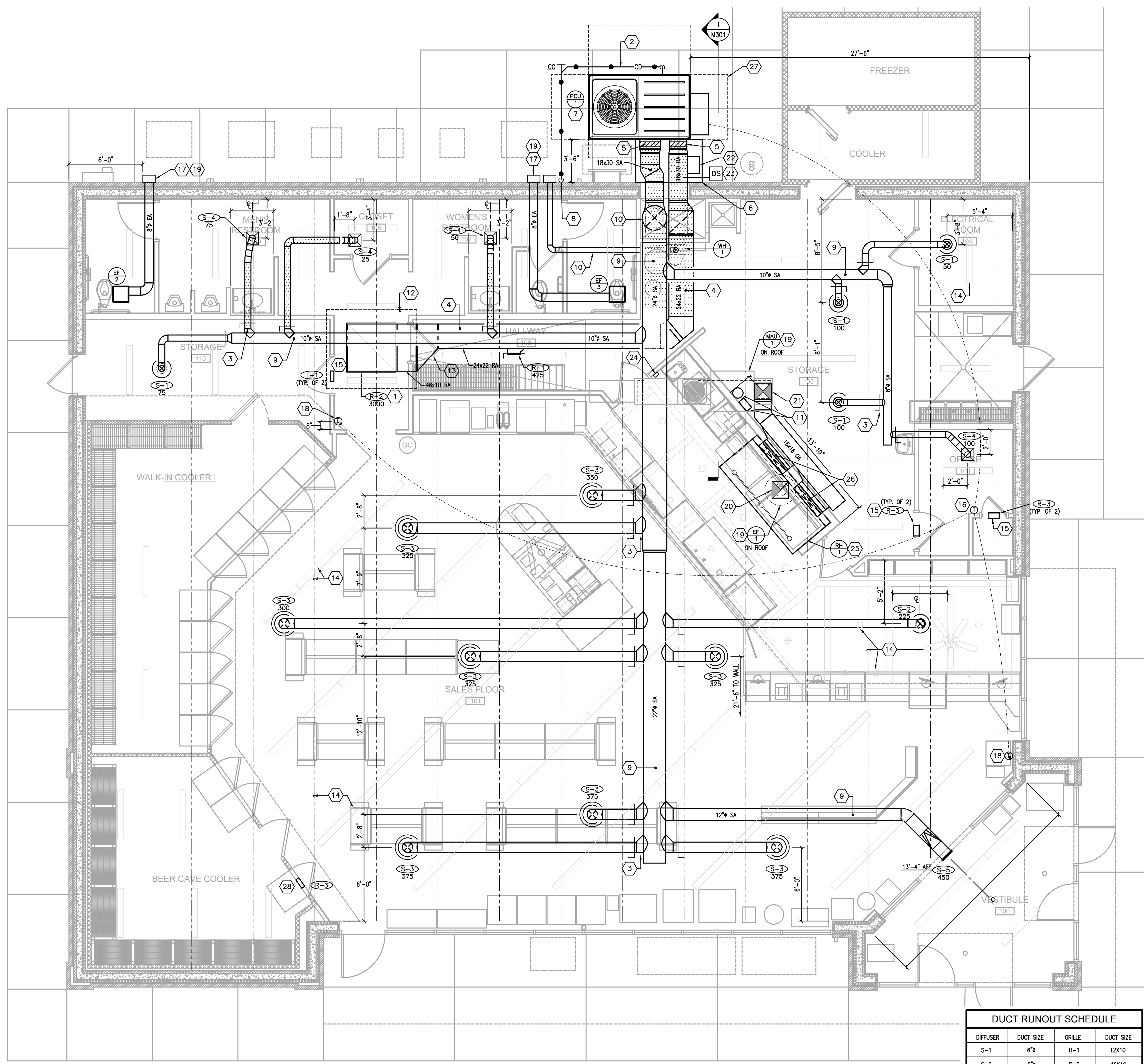
**GENERAL NOTES:**

- A. ALL OPEN-CEILING AREAS SHALL UTILIZE A RIGID DUCT CONNECTION (WITH SUPPORTS) TO DIFFUSER. DIFFUSER SHALL BE MOUNTED AT A TYPICAL ELEVATION OF 11'-0" UNLESS OTHERWISE SHOWN ON DRAWING. TYPICAL PLACEMENT OF DIFFUSER IN OPEN-CEILING AREAS ARE CENTERED BETWEEN JOISTS UNLESS SPECIFIC DIMENSION IS SHOWN ON DRAWING.
- B. ALL RECTANGULAR, ROUND, AND FLEXIBLE DUCTS SHALL BE SIZED AS SHOWN ON THESE DRAWINGS. MINIMUM INTERNAL DIMENSIONS ARE GIVEN.
- C. INSTALL TURNING VANES IN ALL 90 DEGREE SUPPLY AND RETURN DUCT ELBOWS AND AT ALL DUCT TEES.
- D. CONDENSATE DRAIN LINES SHALL BE SLOPED AT A MINIMUM 1/8" PER LINEAR FOOT OF RUN. ALL DRAIN EXITS FROM PCU-1 SHALL INCLUDE A TRAP AND CLEAN-OUT PLUG.
- E. CONTRACTOR SHALL HAVE ALL THERMOSTATS/TEMPERATURE SENSORS CALIBRATED TO MANUFACTURER'S SPECIFICATIONS PRIOR TO TURNING SYSTEM OVER TO OWNER.
- F. BALANCE DIFFUSERS AND GRILLES TO AIRFLOWS INDICATED ON PLAN. PROVIDE AIR-BALANCE REPORT TO GENERAL CONTRACTOR.
- G. MANUFACTURER'S RECOMMENDED CLEARANCES SHALL BE MAINTAINED FOR ALL MECHANICAL EQUIPMENT. ALL PIPING VALVES AND MANUAL VOLUME DAMPERS SHALL BE EASILY ACCESSIBLE.
- H. FLEXIBLE DUCTWORK IS ALLOWED FOR USE ON CONCEALED DUCTWORK. REFER TO DETAIL SHEET FOR MORE INFORMATION.
- I. HATCHED PORTION OF DUCTWORK SHALL BE WRAPPED WITH OWENS/CORNING ALL SERVICE FIBERGLASS DUCT WRAP, "FACED DUCT WRAP - TYPE 75", 3" THICK FIBERGLASS DUCT WRAP, WITH A MINIMUM R-VALUE OF 8, FACTORY LAMINATED TO A REINFORCED FOIL KRAFT VAPOR BARRIER. REFER TO INSULATION CHART ON SHEET M1.01 FOR INSTALLATION REQUIREMENTS.
- J. ANY ROUND DUCTWORK EXPOSED TO VIEW SHALL HAVE SPIRAL OUTER SHELL, LOCK-SEAM CONSTRUCTION FABRICATED FROM PAINT GRIP GALVANIZED STEEL MEETING ASTM-527 STANDARDS. ANY DUCTWORK EXPOSED TO VIEW SHALL BE CONSTRUCTED OF G90 GALVANIZED STEEL AND SHALL BE SUPPORTED AS REQUIRED WITH AIRCRAFT CABLES WITH SELF-TIGHTENING LOCKS. EXPOSED METAL DUCT SHALL BE PREPPED AND PAINTED BY OWNER.
- K. DUCTWORK, PLENUMS AND OTHER APPURTENANCES SHALL BE CONSTRUCTED OF THE MATERIALS OF THE MINIMUM WEIGHTS OR GAUGES AS REQUIRED BY THE LATEST SMACNA 2" W.G. STANDARD OR BELOW TABLE. WHEN GAUGE THICKNESS DIFFERS, THE HEAVIER GAUGE SHALL BE SELECTED. THE BELOW TABLE SHALL SERVE AS A MINIMUM.

ROUND DIAMETER	DUCT GAUGE	RECTANGULAR WIDTH	DUCT GAUGE
3-12 INCHES	26 GA.	3-12 INCHES	26 GA.
13-18 INCHES	24 GA.	13-30 INCHES	24 GA.
19-28 INCHES	22 GA.	31-54 INCHES	22 GA.

**MECHANICAL TAG NOTES:**

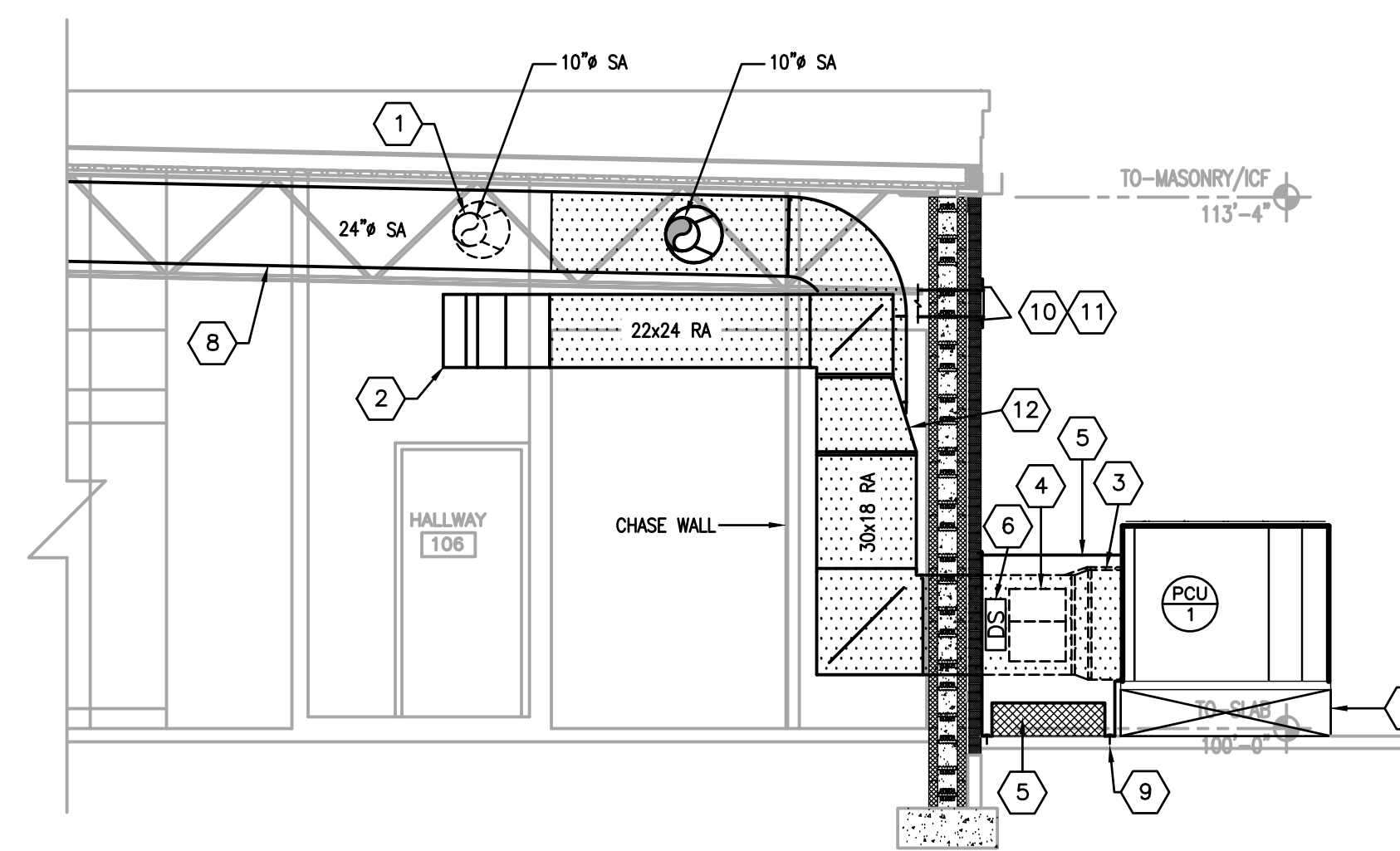
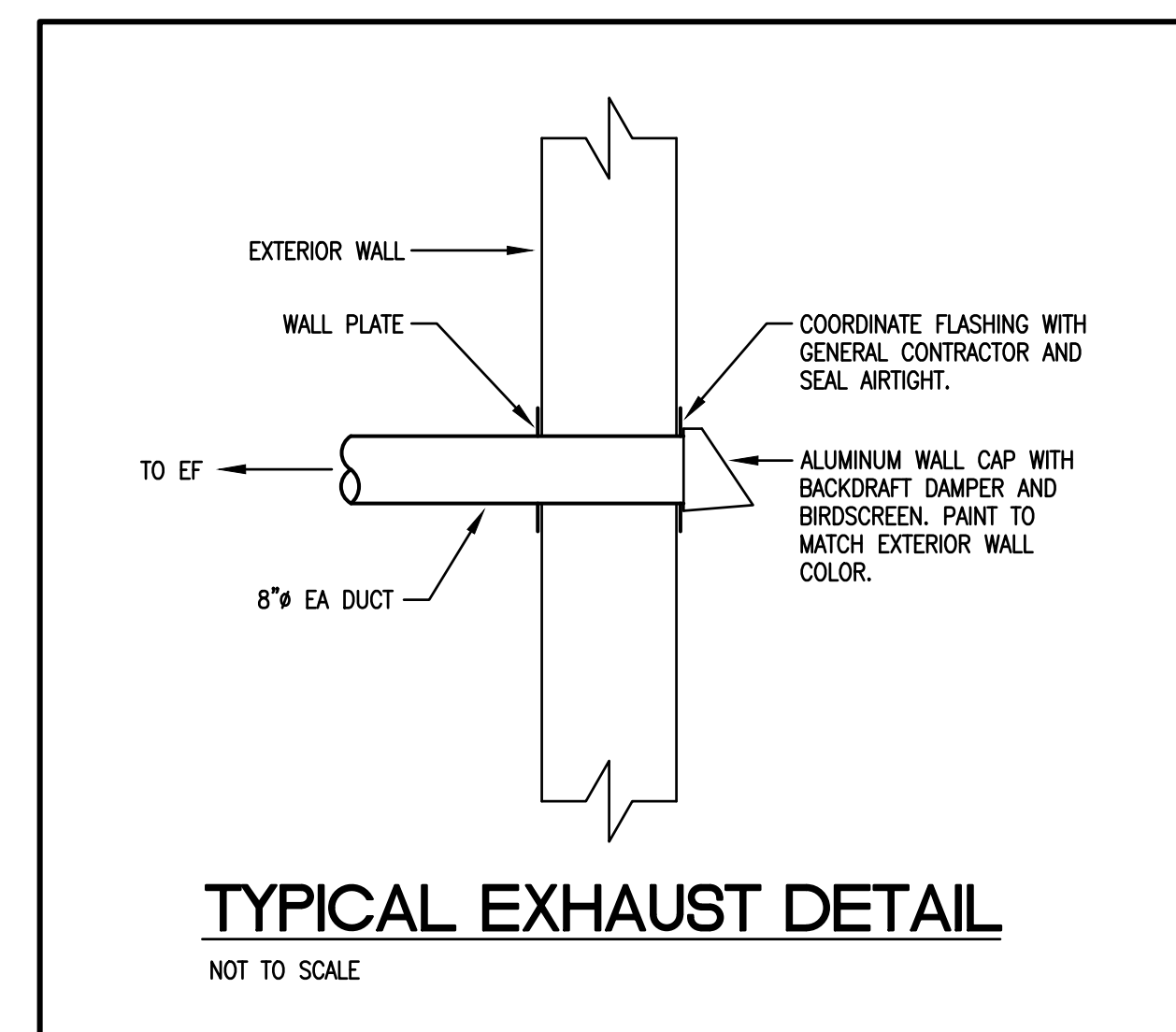
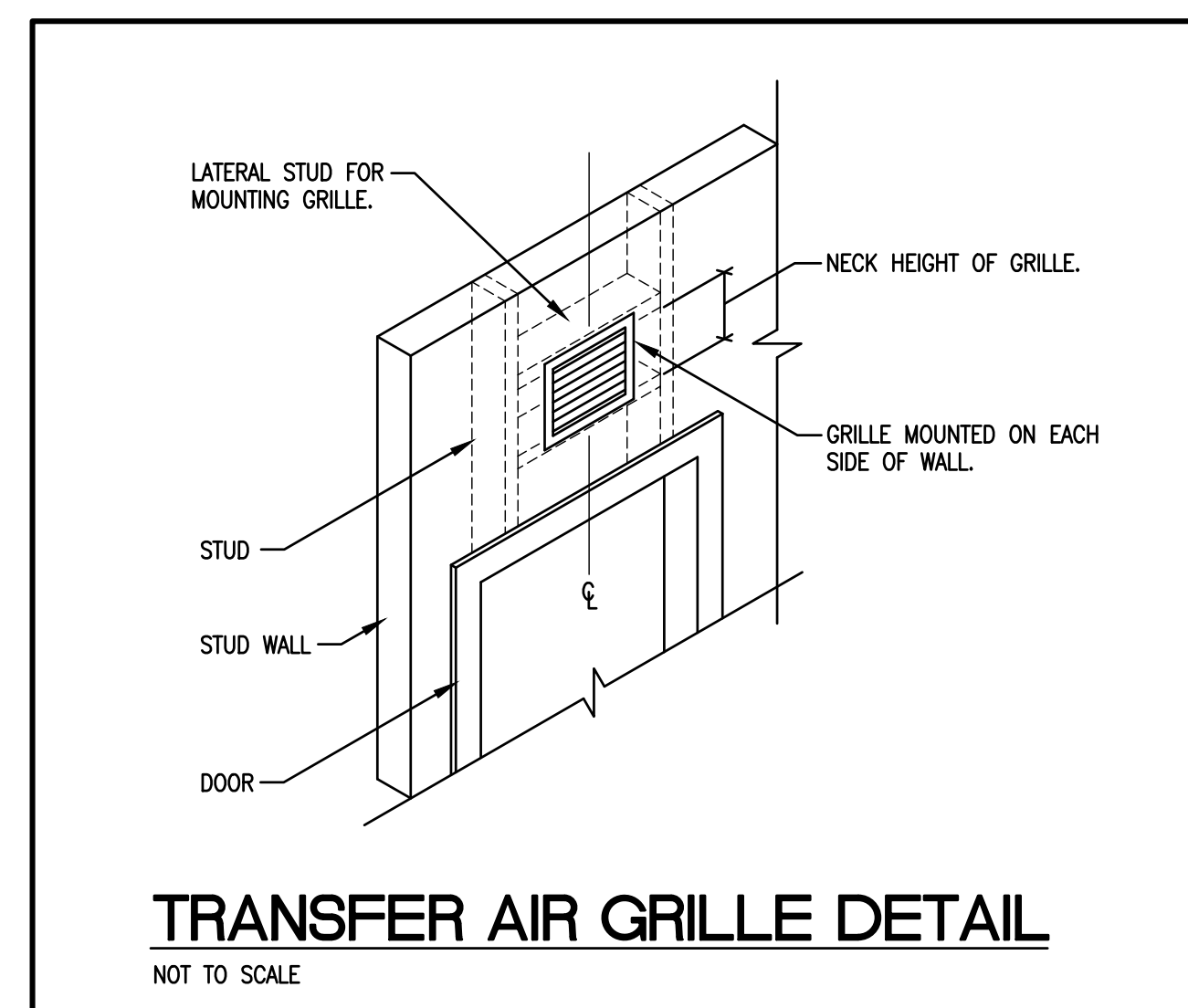
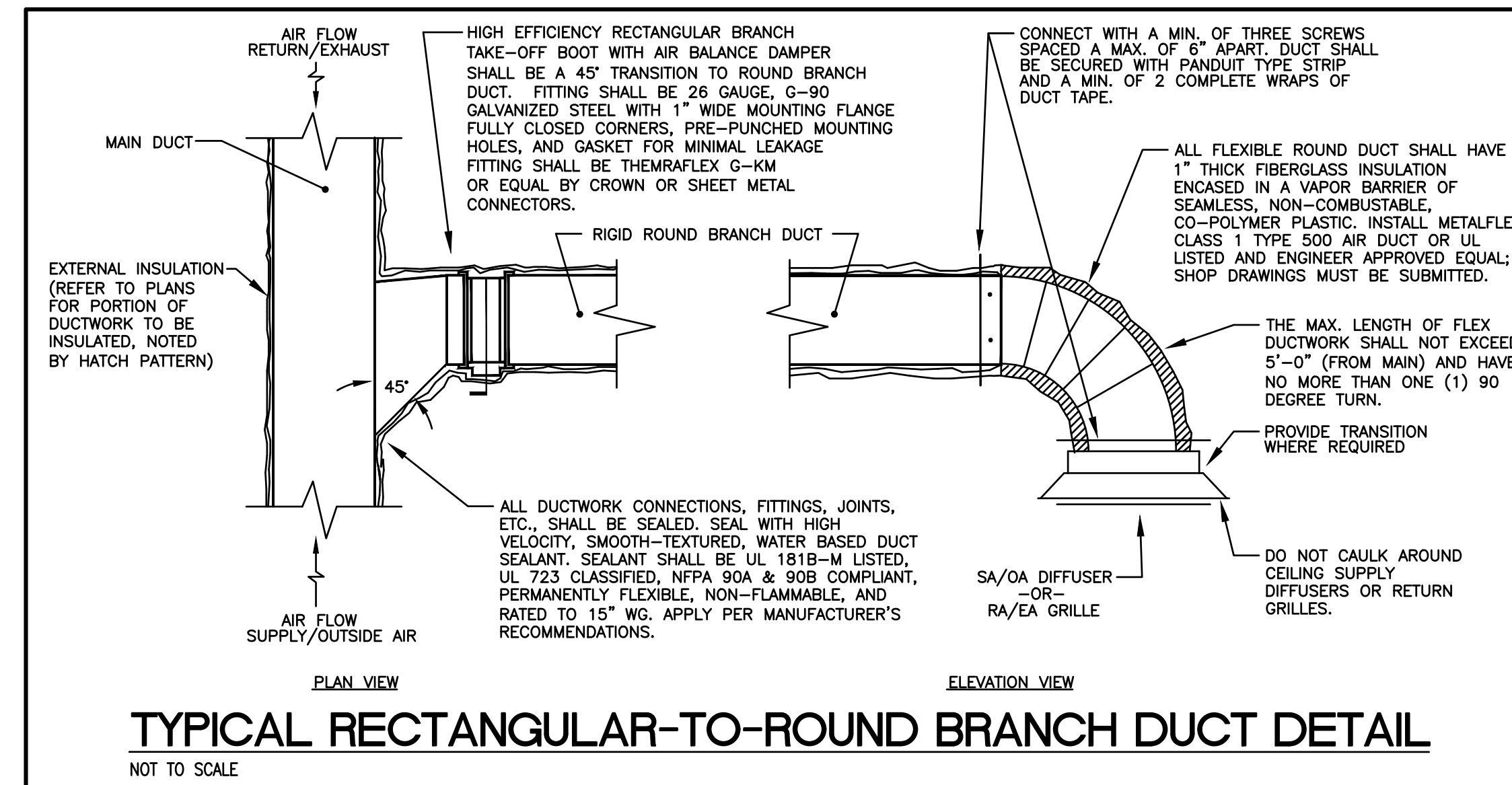
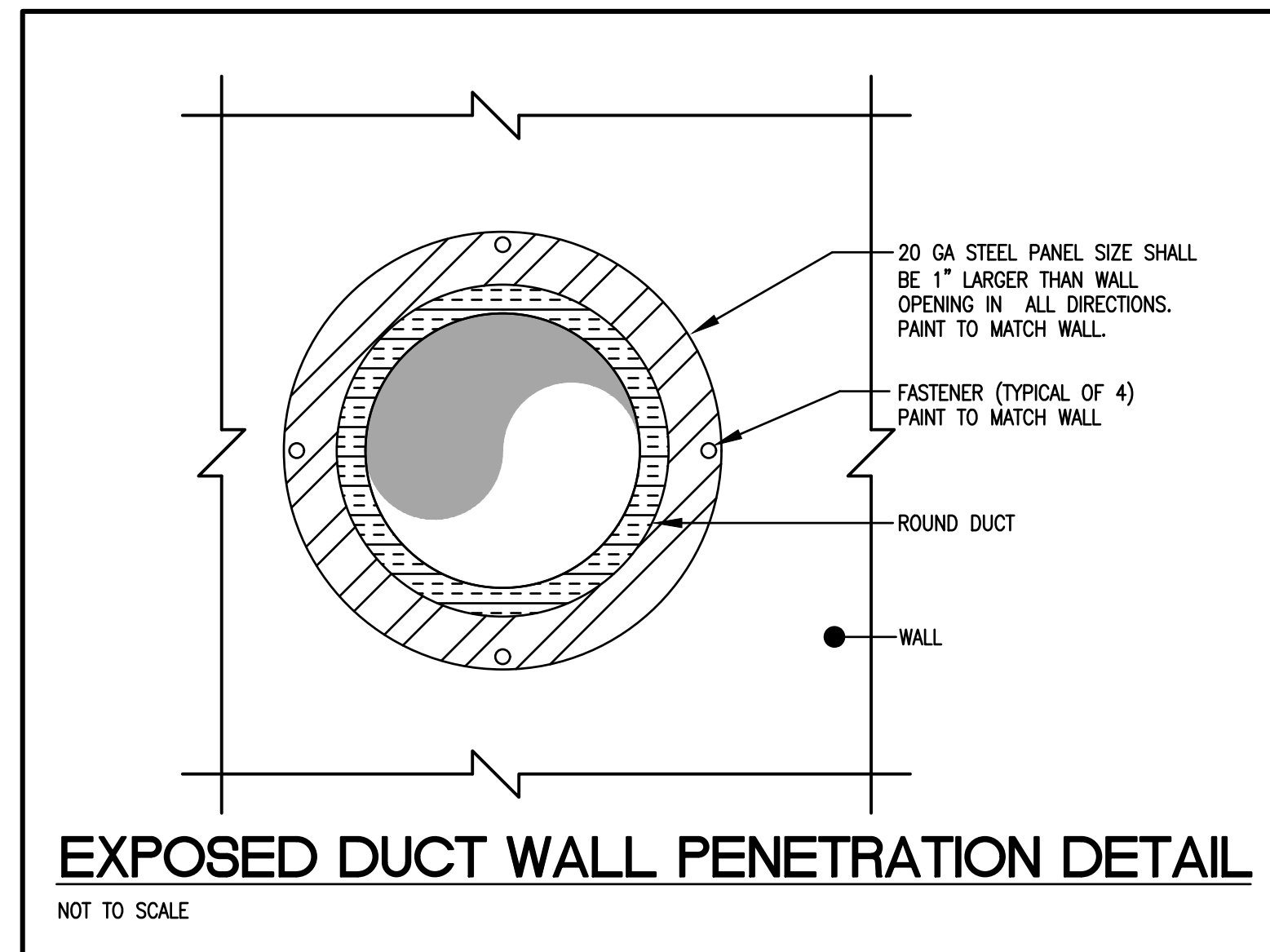
1. ORIENT RETURN GRILLE SO THAT OPENING IS DIRECTED TOWARD HALLWAY ENTRY (AWAY FROM BATHROOMS). PAINT INTERIOR OF RETURN PLENUM WITH FLAT BLACK PAINT.
2. NON-INSULATED PVC CONDENSATE LINE. PROVIDE SPLIT RING CLAMP EVERY 4'-0" ON CENTER AND CHANGE OF DIRECTION.
3. PROVIDE HIGH EFFICIENCY TAKEOFFS AND VOLUME DAMPERS IN ALL BRANCH DUCT WORK. REFER TO DETAIL ON SHEET M3.01 FOR ADDITIONAL INFORMATION. TYPICAL OF ALL.
4. INSTALL RETURN DUCTWORK AS HIGH AS POSSIBLE, HOLDING TIGHT TO STRUCTURE. BOTTOM OF DUCT WILL BE AT A MINIMUM OF 9'-0".
5. PROVIDE FLEX CONNECTION AT UNIT FOR SUPPLY/RETURN DUCTWORK.
6. CONTRACTOR TO INSTALL A 20 GAUGE RAIN SHIELD OVER ALL EXTERIOR DUCTWORK. PROVIDE WITH 16"x32" ACCESS DOOR FOR DUCT MOUNTED SMOKE DETECTOR. POSITION DOOR AS CLOSE TO UNIT AS POSSIBLE. REFER TO SECTION VIEW ON SHEET M3.01 FOR ADDITIONAL INFORMATION.
7. PROVIDE UNIT WITH 14" TALL, FULL-LENGTH EQUIPMENT CURB. DO NOT EXTEND CURB PAST UNIT. CONCRETE PAD WILL BE SLOPED 1/2" PER FOOT. CURB AND DUCT SHROUD SHALL BE MODIFIED AS NECESSARY NEAR THE CONCRETE PAD IN ORDER TO FILL ANY VOIDS OR GAPS THAT WOULD ALLOW RODENTS AND PESTS FROM USING SHROUD AS SHELTER.
8. CONTRACTOR TO INSTALL A 2" OPEN RECEPTACLE IN STORM LINE. SPILL PCU-1 CONDENSATE TO OPEN RECEPTACLE. COORDINATE INSTALLATION WITH BUILDING CONTRACTOR.
9. SUPPLY DUCT MAIN SHALL BE INSTALLED TO FOLLOW SLOPE OF ROOF WITHIN JOIST SPACE. ALL BRANCH DUCTWORK SHALL BE COORDINATED WITH JOIST OPENINGS.
10. CONCENTRIC WATER HEATER FLUE IS TO BE ROUTED FROM HEATER TO WALL AS SHOWN. INSTALLATION AND TERMINATION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS. HORIZONTAL OFFSET IS TO BE AS HIGH AS POSSIBLE ABOVE BATHROOM CEILING HEIGHT. MAINTAIN 10'-0" CLEARANCE FROM TERMINATION TO PCU-1'S INTAKE.
11. MOUNT FIRE SUPPRESSION SYSTEM FOR RH-1 AS HIGH AS POSSIBLE. SEE SHEET M1.01 FOR MORE INFORMATION.
12. SPACE IN THIS AREA IS LIMITED. COORDINATE DUCT ROUTING WITH CEILING AND STRUCTURAL JOISTS.
13. INSTALL ECCENTRIC TRANSITION DUCT FITTING. SLOPE OF TRANSITION IS NOT TO EXCEED 1:4.
14. CEILING FANS, STRUCTURAL JOISTS, AND LIGHTS ARE SHOWN FOR COORDINATION PURPOSES ONLY. (TYPICAL)
15. TRANSFER AIR GRILLES CENTERED ABOVE DOOR. REFER TO DETAIL SHEET.
16. INSTALL PCU-1 THERMOSTAT IN LOCATION SHOWN CENTERED BETWEEN CLOSET DOOR JAMB AND EDGE OF DRYWALL. INSTALL AT 60" AFF. THERMOSTAT NEEDS TO CONTROL HOT GAS REHEAT ON THE HVAC UNIT. DO SO BY CONNECTING U1 AND U1 ON THE THERMOSTAT IN THE GENERAL MANAGER'S OFFICE TO TERMINAL 7 AND 12 ON THE LTB BOARD LOCATED ON THE HVAC UNIT.
17. EXHAUST CAP AT ELEVATION OF 10'-8". REFER TO DETAIL SHEET FOR MORE INFORMATION.
18. INSTALL PCU-1 TEMPERATURE SENSOR IN LOCATION SHOWN. COORDINATE ELEVATION WITH OWNER PRIOR TO INSTALLATION.
19. MAINTAIN A 10'-0" MINIMUM DISTANCE FROM EXHAUST FAN OUTLET TO PCU-1/MAU-1'S INTAKE. ANY ROOF EQUIPMENT MUST MAINTAIN A 10'-0" MINIMUM DISTANCE BETWEEN EQUIPMENT AND EDGE OF ROOF.
20. TRANSITION GREASE DUCT FROM RH-1 HOOD OPENING TO 14" RISER. TRANSITION DUCTWORK TO FIT ROOF CURB PRIOR TO ROOF PENETRATION. ROOF CUTOUT SHALL BE 21"x21" FOR CURB. GREASE DUCT IS TO BE #16 GAUGE WELDED DUCT. PROVIDE CLEANOUTS AT EACH CHANGE IN DIRECTION. 3M FIREMASTER GREASE DUCT WRAP OR ALTERNATE FULLY ENCAPSULATED AND U.L. CLASSIFIED FOR 0" CLEARANCE TO COMBUSTIBLES (UL R14229) AND ENGINEER APPROVED.
21. 16X16 OA DUCT UP TO MAU-1. TRANSITION DUCTWORK TO FIT ROOF CURB BEFORE ROOF PENETRATION. ROOF CUTOUT FOR CURB SHALL BE 18"x18".
22. FIELD MOUNT FACTORY-MANUFACTURED, BARAMETRIC RELIEF HOOD TO RETURN DUCTWORK.
23. INSTALL SMOKE DETECTOR UPSTREAM OF BARAMETRIC RELIEF HOOD.
24. PULL STATION LOCATION FOR RANGE HOOD FIRE SUPPRESSION SYSTEM.
25. RANGE HOOD IS OWNER FURNISHED, OWNER INSTALLED.
26. 36"x5" MAKEUP AIR DUCT ROUTED DOWN. TERMINATION POINT SHALL BE BELOW COOKING SURFACE. ALL ELECTRICAL AND PLUMBING CONNECTIONS MUST BE LOCATED BELOW THE BACK RETURN AIR PLENUM.
27. MAINTAIN EQUIPMENT MANUFACTURER'S RECOMMENDED SERVICE AREA.
28. TRANSFER GRILLE IS TO BE MOUNTED ABOVE COOLER ROOF, FACING OUT. PROVIDE GRILLE WITH 1/2" MESH SCREEN.
29. TRANSITION FROM A 18x30 SA DUCT TO 24" AND FROM A 18x30 RA DUCT TO 24x22 WITHIN CHASE. REFER TO SECTION VIEW ON SHEET M3.01 FOR ADDITIONAL INFORMATION.



**DUCT RUNOUT SCHEDULE**

DIFFUSER	DUCT SIZE	GRILLE	DUCT SIZE
S-1	6"	R-1	12X10
S-2	8"	R-2	46X46
S-3	10"	R-3	10X8
S-4	6"		
S-5	12X10		

**01 FLOOR PLAN - MECHANICAL**  
SCALE: 1/4" = 1'-0"



GENERAL NOTES:

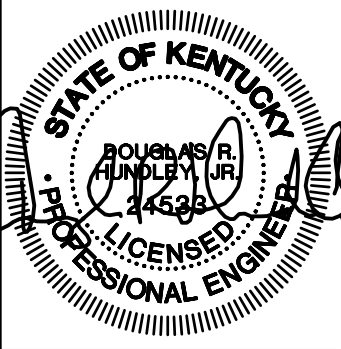
- A. ALL OPEN-CEILING AREAS SHALL UTILIZE A RIGID DUCT CONNECTION (WITH SUPPORTS) TO DIFFUSER. DIFFUSER SHALL BE MOUNTED AT A TYPICAL ELEVATION OF 11'-0" UNLESS OTHERWISE SHOWN ON DRAWING. TYPICAL PLACEMENT OF DIFFUSER IN OPEN-CEILING AREAS ARE CENTERED BETWEEN JOISTS UNLESS SPECIFIC DIMENSION IS SHOWN ON DRAWING.
- B. ALL RECTANGULAR, ROUND, AND FLEXIBLE DUCTS SHALL BE SIZED AS SHOWN ON THESE DRAWINGS. MINIMUM INTERNAL DIMENSIONS ARE GIVEN.
- C. INSTALL TURNING VANES IN ALL 90 DEGREE SUPPLY AND RETURN DUCT ELBOWS AND AT ALL DUCT TEES.
- D. CONDENSATE DRAIN LINES SHALL BE SLOPED AT A MINIMUM 1/8" PER LINEAR FOOT OF RUN. ALL DRAIN EXITS FROM PCU-1 SHALL INCLUDE A TRAP AND CLEAN-OUT PLUG.
- E. CONTRACTOR SHALL HAVE ALL THERMOSTATS/TEMPERATURE SENSORS CALIBRATED TO MANUFACTURER'S SPECIFICATIONS PRIOR TO TURNING SYSTEM OVER TO OWNER.
- F. BALANCE DIFFUSERS AND GRILLES TO AIRFLOWS INDICATED ON PLAN. PROVIDE AIR-BALANCE REPORT TO GENERAL CONTRACTOR.
- G. MANUFACTURER'S RECOMMENDED CLEARANCES SHALL BE MAINTAINED FOR ALL MECHANICAL EQUIPMENT. ALL PIPING VALVES AND MANUAL VOLUME DAMPERS SHALL BE EASILY ACCESSIBLE.
- H. FLEXIBLE DUCTWORK IS ALLOWED FOR USE ON CONCEALED DUCTWORK. REFER TO DETAIL SHEET FOR MORE INFORMATION.
- I. HATCHED PORTION OF DUCTWORK SHALL BE WRAPPED WITH OWENS/CORNING ALL SERVICE FIBERGLASS DUCT WRAP, "FACED DUCT WRAP - TYPE 75", 3" THICK FIBERGLASS DUCT WRAP, WITH A MINIMUM R-VALUE OF 8, FACTORY LAMINATED TO A REINFORCED FOIL KRAFT VAPOR BARRIER. REFER TO INSULATION CHART ON SHEET M1.01 FOR INSTALLATION REQUIREMENTS.
- J. ANY ROUND DUCTWORK EXPOSED TO VIEW SHALL HAVE SPIRAL OUTER SHELL, LOCK-SEAM CONSTRUCTION FABRICATED FROM PAINT GRIP GALVANIZED STEEL MEETING ASTM-527 STANDARDS. ANY DUCTWORK EXPOSED TO VIEW SHALL BE CONSTRUCTED OF G90 GALVANIZED STEEL AND SHALL BE SUPPORTED AS REQUIRED WITH AIRCRAFT CABLES WITH SELF-TIGHTENING LOCKS. EXPOSED METAL DUCT SHALL BE PREPPED AND PAINTED BY OWNER.
- K. DUCTWORK, PLENUMS AND OTHER APPURTENANCES SHALL BE CONSTRUCTED OF THE MATERIALS OF THE MINIMUM WEIGHTS OR GAUGES AS REQUIRED BY THE LATEST SMACNA 2" W.G. STANDARD OR BELOW TABLE. WHEN GAUGE THICKNESS DIFFERS, THE HEAVIER GAUGE SHALL BE SELECTED. THE BELOW TABLE SHALL SERVE AS A MINIMUM.

ROUND DIAMETER	DUCT GAUGE	RECTANGULAR WIDTH	DUCT GAUGE
3-12 INCHES	26 GA.	3-12 INCHES	26 GA.
13-18 INCHES	24 GA.	13-30 INCHES	24 GA.
19-28 INCHES	22 GA.	31-54 INCHES	22 GA.

MECHANICAL TAG NOTES:

1. PROVIDE HIGH EFFICIENCY TAKEOFFS AND VOLUME DAMPERS IN ALL BRANCH DUCT WORK. REFER TO DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION. TYPICAL OF ALL.
2. INSTALL RETURN DUCTWORK AS HIGH AS POSSIBLE, HOLDING TIGHT TO STRUCTURE. BOTTOM OF DUCT WILL BE AT A MINIMUM OF 9'-0".
3. PROVIDE FLEX CONNECTION AT UNIT FOR SUPPLY/RETURN DUCTWORK.
4. FIELD MOUNT FACTORY-MANUFACTURED, BAROMETRIC RELIEF HOOD TO RETURN DUCTWORK.
5. CONTRACTOR TO INSTALL A 20 GAUGE RAIN SHIELD OVER ALL EXTERIOR DUCTWORK. PROVIDE WITH 16"X32" ACCESS DOOR FOR DUCT MOUNTED SMOKE DETECTOR. POSITION DOOR AS CLOSE TO UNIT AS POSSIBLE. PROVIDE 34"X10" OPENING AT BOTTOM OF RAIN SHIELD (ON BOTH SIDES) TO ALLOW FOR RELIEF AIR WHEN UNIT IS IN ECONOMIZER MODE. INSTALL EXPANDED METAL GRATE OVER OPENINGS.
6. INSTALL SMOKE DETECTOR UPSTREAM OF BAROMETRIC RELIEF HOOD.
7. PROVIDE UNIT WITH 14" TALL, FULL-LENGTH EQUIPMENT CURB. DO NOT EXTEND CURB PAST UNIT. CONCRETE PAD WILL BE SLOPED 1/4" PER FOOT. CURB AND DUCT SHROUD SHALL BE MODIFIED AS NECESSARY NEAR THE CONCRETE PAD IN ORDER TO FILL ANY VOIDS OR GAPS THAT WOULD ALLOW RODENTS AND PESTS FROM USING SHROUD AS SHELTER.
8. SUPPLY DUCT MAIN SHALL BE INSTALLED TO FOLLOW SLOPE OF ROOF WITHIN JOIST SPACE. ALL BRANCH DUCTWORK SHALL BE COORDINATED WITH JOIST OPENINGS.
9. FASTEN RAIN SHIELD TO CONCRETE SLAB.
10. EXHAUST CAP AT ELEVATION OF 10'-8". REFER TO DETAIL THIS SHEET FOR MORE INFORMATION.
11. MAINTAIN A 10'-0" MINIMUM DISTANCE FROM EXHAUST FAN OUTLET TO MECHANICAL EQUIPMENT'S INTAKE.
12. TRANSITION FROM A 30x18 SUPPLY DUCT TO 24" AND FROM A 30x18 RETURN DUCT TO A 22x24 WITHIN CHASE.

PROJECT NO:  
22-4336  
DRAWN BY:  
WTD  
DATE:  
06-29-2022

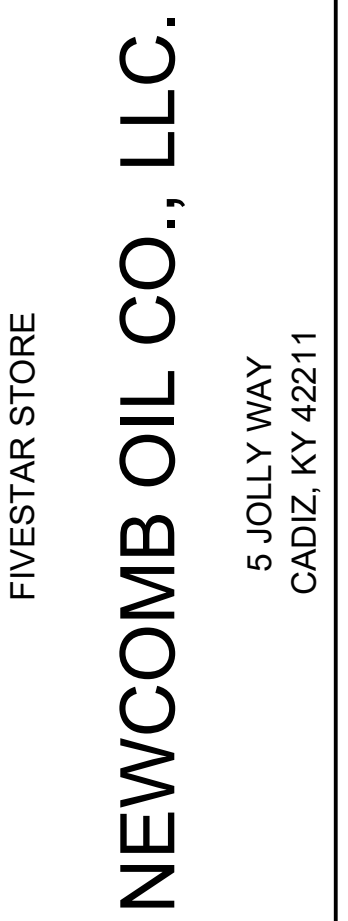
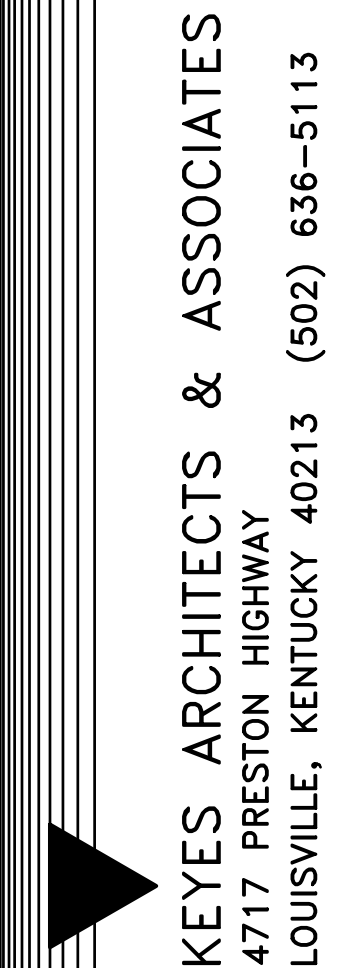
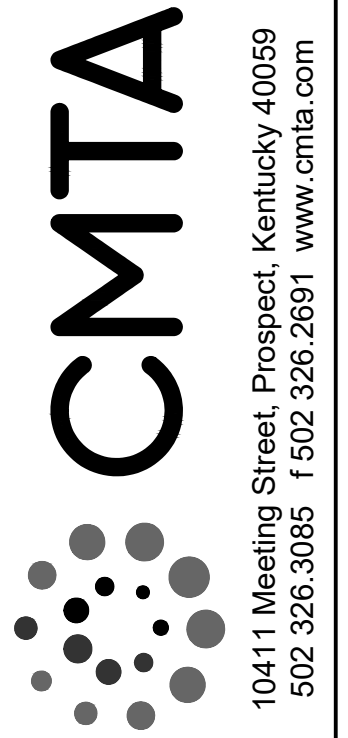
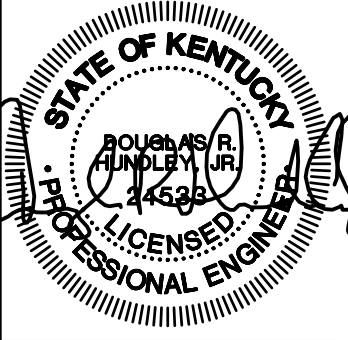


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5 JOLLY WAY  
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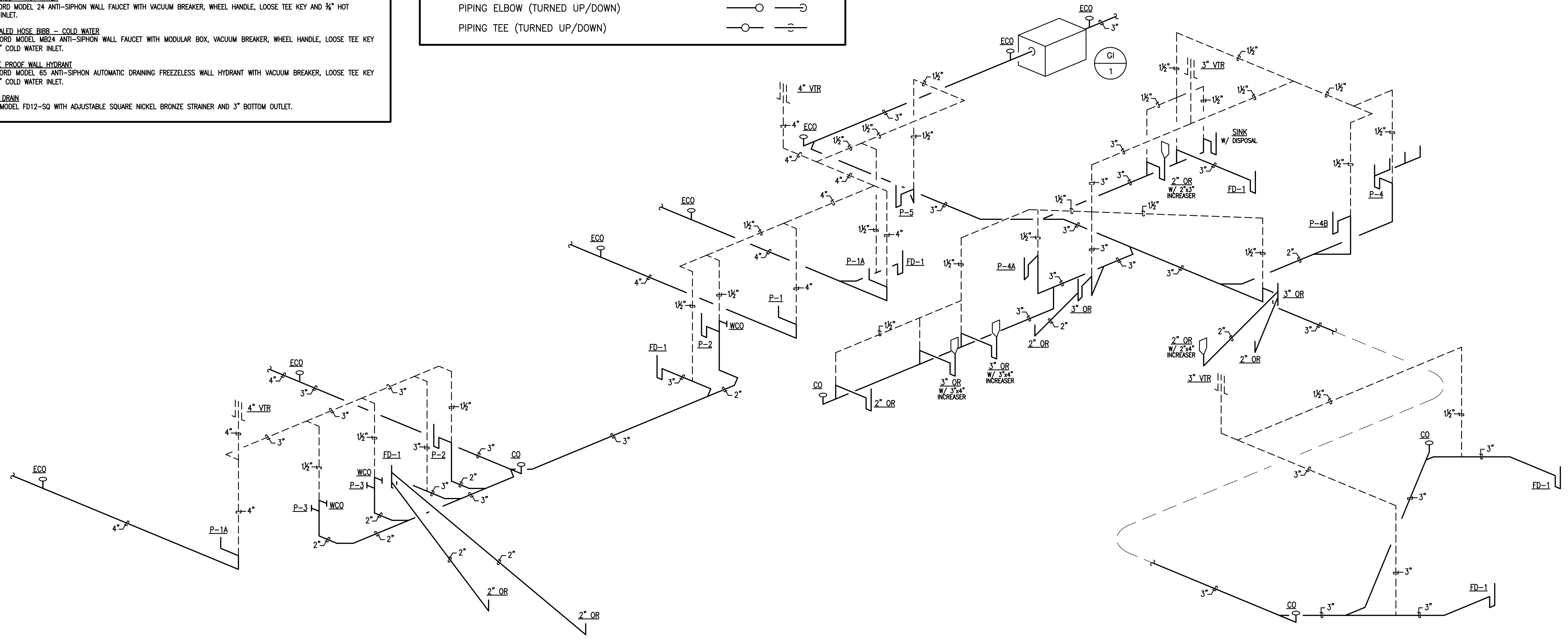
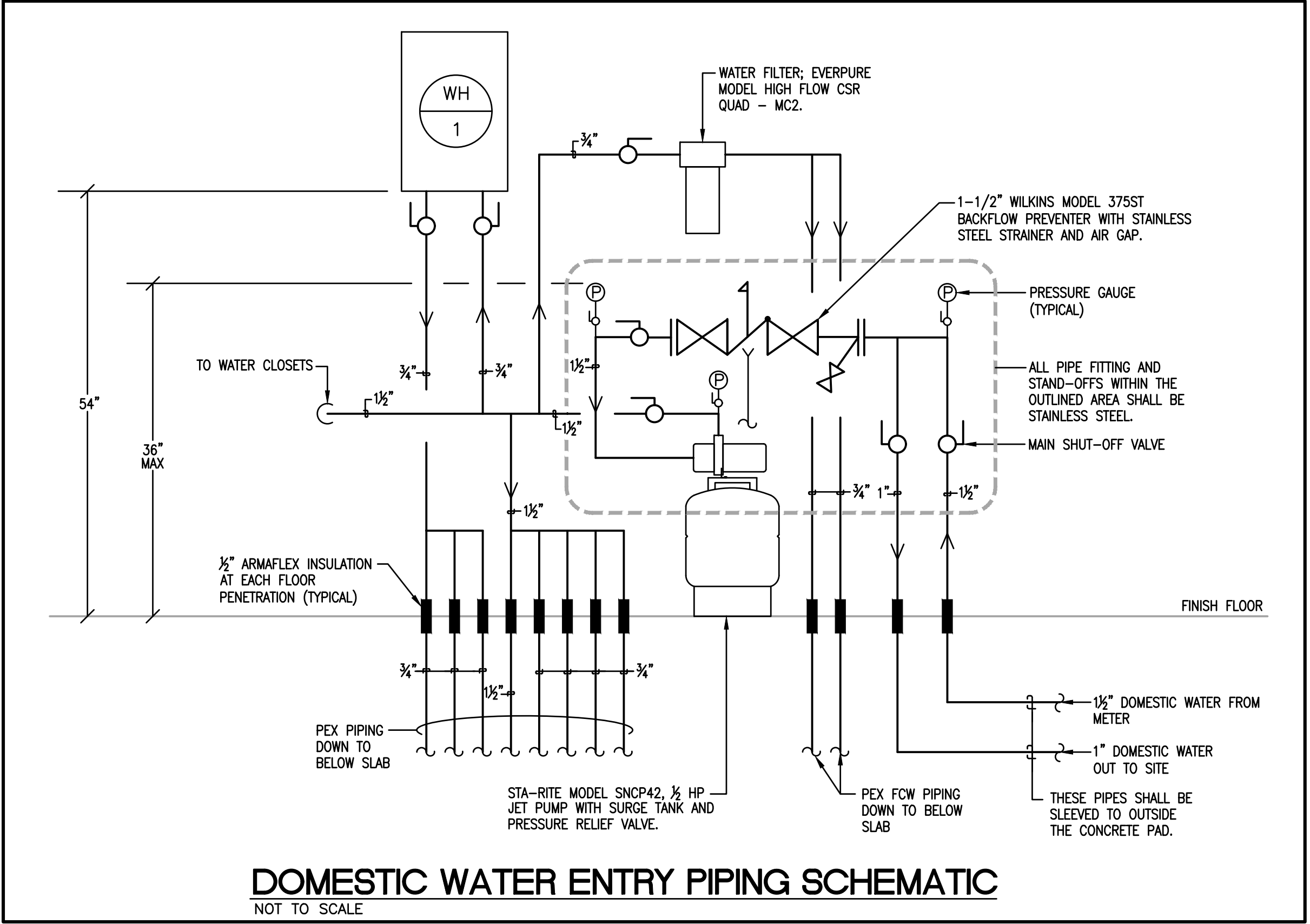
MECHANICAL SECTION  
VIEWS AND DETAILS

M3.01

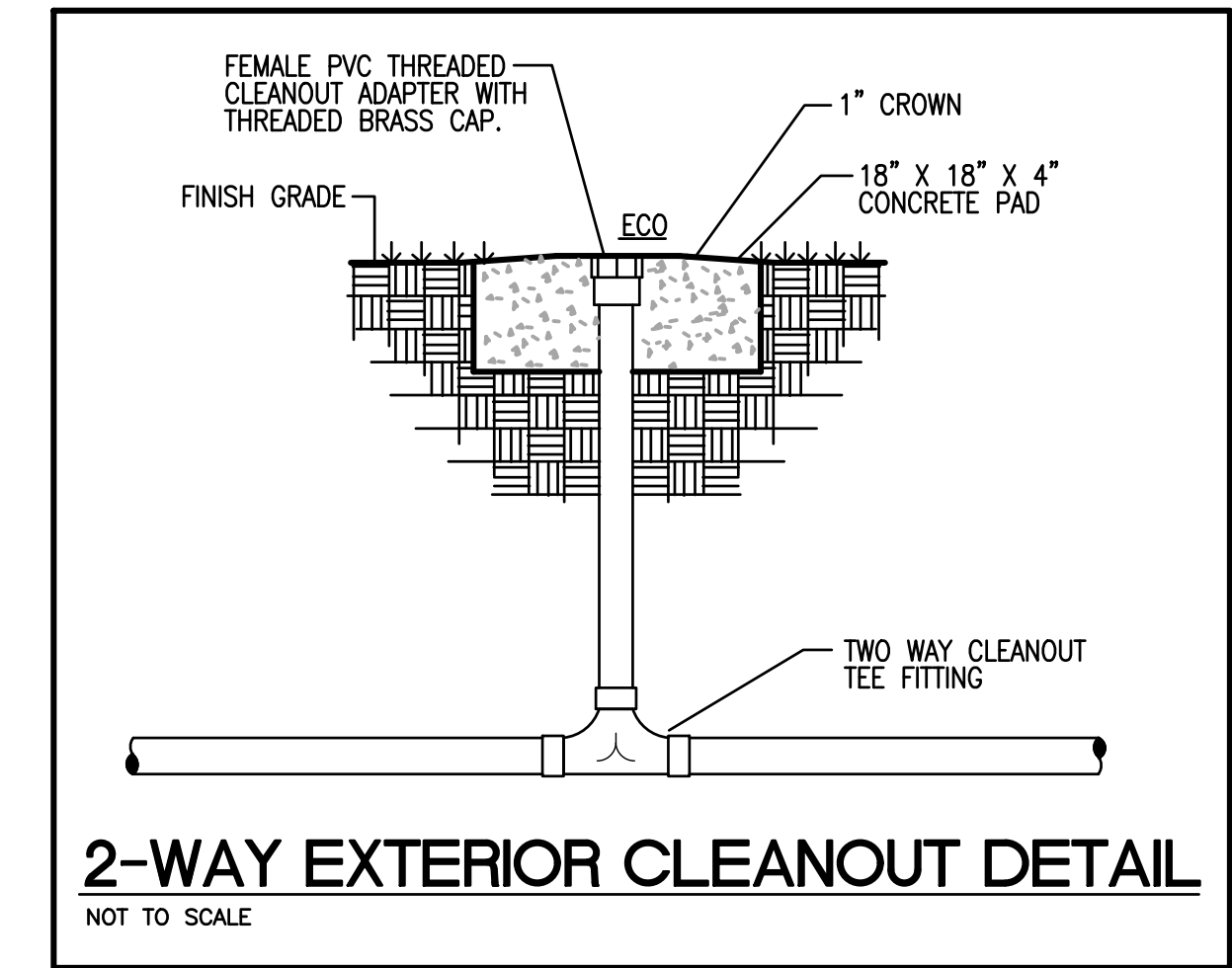
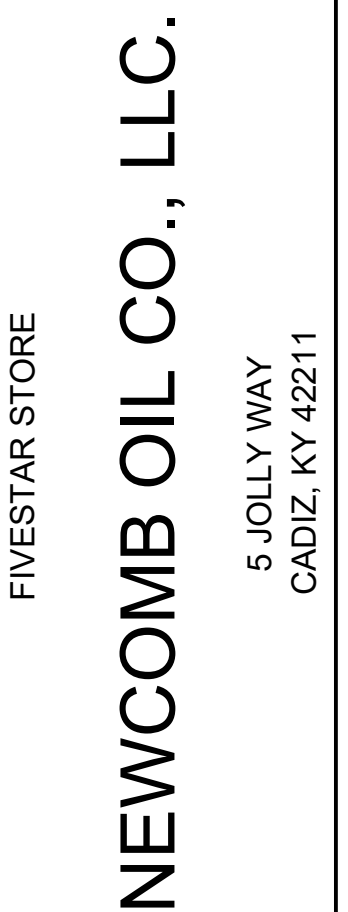
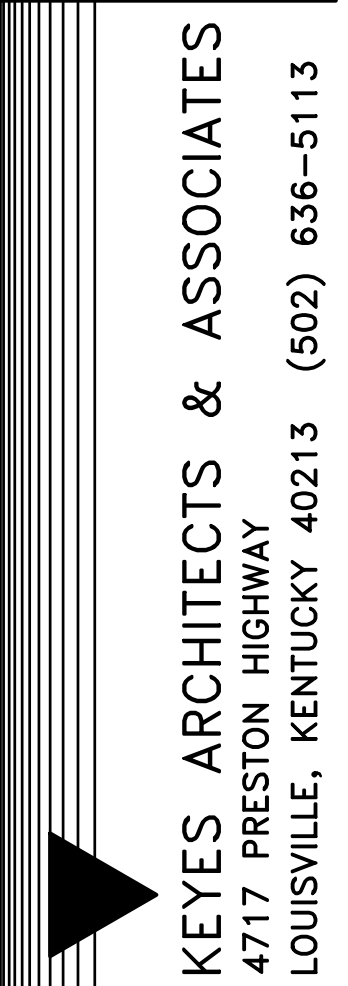
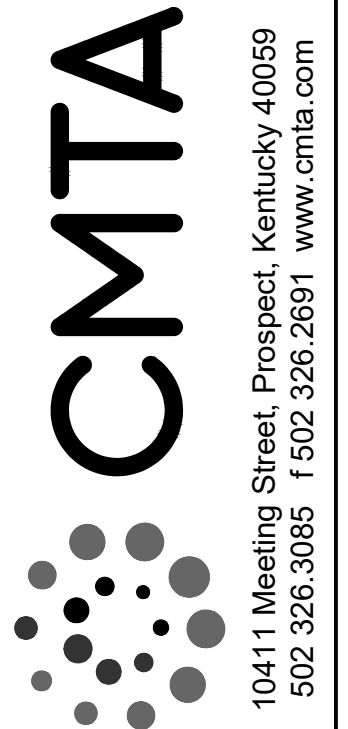
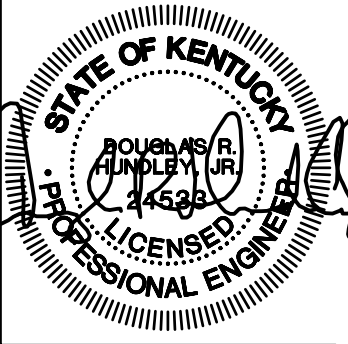


- PLUMBING FIXTURE SPECIFICATIONS:**
- P-1 **WATER CLOSET - FLUSH VALVE, FLOOR MOUNTED - STANDARD HEIGHT**  
AMERICAN STANDARD MODEL 2234.015 "MADERA" VITREOUS CHINA, SIPHON JET, 1/2" TOP SPUD, ELONGATED BOWL WATER CLOSET WITH CHINA BOLT CAPS AND BEMIS MODEL 1955C WHITE OPEN FRONT SEAT WITH CHECK HINGE. FLUSH VALVE SHALL BE AS FOLLOWS:  
- SLOAN OPTIMA MODEL 111-ES-S "REGAL PRO" SENSOR OPERATED 1.6 GPF WATER CLOSET FLUSH VALVE WITH TRANSFORMER AND POLISHED CHROME FINISH.
  - P-1A **WATER CLOSET - FLUSH VALVE, FLOOR MOUNTED - ADA HEIGHT**  
AMERICAN STANDARD MODEL 3043.102 "MADERA" VITREOUS CHINA, 17" HIGH, SIPHON JET, 1/2" TOP SPUD, ELONGATED BOWL WATER CLOSET WITH CHINA BOLT CAPS AND BEMIS MODEL 1955C WHITE OPEN FRONT SEAT WITH CHECK HINGE. INSTALL THE FLUSH VALVE ON THE "TOP" SIDE OF THE WATER CLOSET. FLUSH VALVE SHALL BE AS FOLLOWS:  
- SLOAN OPTIMA MODEL 111-ES-S "REGAL PRO" SENSOR OPERATED 1.6 GPF WATER CLOSET FLUSH VALVE WITH TRANSFORMER AND POLISHED CHROME FINISH.
  - P-2 **LAVATORY - BOWL INTEGRAL TO COUNTERTOP - INFRARED FAUCET**  
REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COORDINATION OF LAVATORY BOWL INTEGRAL TO COUNTERTOP. PROVIDE LAVATORY DRAIN WITH INTEGRAL PERFORATED STRAINER, 3/8" RIGID SUPPLIES WITH STOPS AND P-TRAP. LAVATORY TRIM SHALL BE AS FOLLOWS:  
- SENSOR OPERATED FAUCET SHALL BE SLOAN OPTIMA MODEL ETI-600 WITH POLISHED CHROME-PLATED CAST BRASS FAUCET BODY, 0.5 GPM VANDAL RESISTANT AERATOR, MIXING VALVE AND TRANSFORMER.
  - P-3 **URINAL - WALL HUNG - ADA**  
TOTO MODEL UT105UG VITREOUS CHINA WALL-HUNG, 0.125 GPF URINAL WITH 3/4" TOP SPUD AND CONCEALED WALL HANGER BRACKETS. FLUSH VALVE SHALL BE AS FOLLOWS:  
- SLOAN OPTIMA MODEL 186-0.125 DBP ESS SENSOR OPERATED 0.125 GPF URINAL FLUSH VALVE WITH TRANSFORMER AND POLISHED CHROME FINISH.
  - P-4 **FOUR COMPARTMENT SINK**  
JOHN BOOS MODEL E458-1620-14118 FOUR COMPARTMENT TYPE 300 STAINLESS STEEL SINK WITH 16"x20"x14" DEEP BOWLS, 9-3/4" HIGH BOXED BACKSPASH, (2) 18" DRAINBOARDS AND STAINLESS STEEL LEGS WITH SIDE BRACING, STAINLESS STEEL GUSSETS AND BULLET FEET. PROVIDE WITH (4) T&S B-5990 LEVER HANDLE WASTES, CHROME SUPPLIES, STOPS, TAILPIECE, P-TRAP, DRAIN AND ESCUTCHEONS. SINK TRIM SHALL BE AS FOLLOWS:  
- (1) T&S BRASS MODEL B-0290 WALL MOUNTED FAUCET WITH 12" SWING SPOUT AND 4-ARM HANDLES.  
- (1) T&S BRASS MODEL B-0287-427-BC WALL MOUNTED PRE-RINSE FAUCET WITH 12" SWING SPOUT, 44" FLEXIBLE STAINLESS STEEL HOSE, AND 4-ARM HANDLES.
  - P-4A **HAND SINK - BOWL INTEGRAL TO COUNTERTOP - GOOSENECK FAUCET**  
REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COORDINATION OF LAVATORY BOWL INTEGRAL TO COUNTERTOP. PROVIDE LAVATORY DRAIN WITH INTEGRAL PERFORATED STRAINER, 3/8" RIGID SUPPLIES WITH STOPS AND P-TRAP. LAVATORY TRIM SHALL BE AS FOLLOWS:  
- GOOSENECK FAUCET SHALL BE MOEN MODEL 8938 "SANI-STREAM" WITH POLISHED CHROME-PLATED CAST BRASS FAUCET BODY, 3-1/2" SPOUT, 2.0 GPM AERATOR AND WRIST BLADE HANDLES.
  - P-4B **HAND SINK - WALL-HUNG**  
MANSFIELD GRAND ISLE MODEL 2018HNS VITREOUS CHINA LAVATORY WITH 4" CENTER FAUCET HOLES. PROVIDE CONCEALED ARM CARRIER, LAVATORY DRAIN WITH INTEGRAL PERFORATED STRAINER, 3/8" RIGID SUPPLIES WITH STOPS AND P-TRAP AND ADA COMPLIANT TRAP WRAP. MOUNT LAVATORY AT ADA HEIGHT. LAVATORY TRIM SHALL BE AS FOLLOWS:  
- SINGLE HANDLE FAUCET SHALL BE AMERICAN STANDARD RELIANT 3 MODEL 7385.004 WITH POLISHED CHROME-PLATED CAST BRASS FAUCET BODY WITH 1.2 GPM AERATOR.
  - P-5 **MOP BASIN - 24"x24" - RECESSED IN FLOOR**  
ZURN MODEL Z1996-24 MOP SERVICE BASIN WITH MOLDED HIGH DENSITY COMPOSIT BASIN, PVC DRAIN BODY, STAINLESS STEEL STRAINER AND 3" GASKETED OUTLET CONNECTION. BASIN SHALL BE RECESSED IN CONCRETE FLOOR. REFERENCE DETAIL ON DRAWING A-551 FOR ADDITIONAL INFORMATION.
  - P-6 **ICE MAKER CONNECTION BOX**  
IPS CORPORATION WATER-TITE MODEL AB9702HA ICE MAKER OUTLET BOX WITH INTEGRAL WATER HAMMER ARRESTOR AND PRELOADED NAILS. FIELD PAINT EXPOSED PORTION OF BOX TO MATCH ADJACENT WALL SURFACES. VERIFY PIPE CONNECTION TYPE PRIOR TO ORDERING.
  - HB **HOSE BIBB - COLD WATER**  
WOODFORD MODEL 24 ANTI-SIPHON WALL FAUCET WITH VACUUM BREAKER, REMOVABLE KEYED HANDLE, LOOSE TEE KEY AND 3/4" COLD WATER INLET.
  - HB-1 **HOSE BIBB - HOT WATER**  
WOODFORD MODEL 24 ANTI-SIPHON WALL FAUCET WITH VACUUM BREAKER, WHEEL HANDLE, LOOSE TEE KEY AND 3/4" HOT WATER INLET.
  - HB-2 **CONCEALED HOSE BIBB - COLD WATER**  
WOODFORD MODEL MB24 ANTI-SIPHON WALL FAUCET WITH MODULAR BOX, VACUUM BREAKER, WHEEL HANDLE, LOOSE TEE KEY AND 3/4" COLD WATER INLET.
  - FPWH **FREEZE PROOF WALL HYDRANT**  
WOODFORD MODEL 65 ANTI-SIPHON AUTOMATIC DRAINING FREEZELESS WALL HYDRANT WITH VACUUM BREAKER, LOOSE TEE KEY AND 3/4" COLD WATER INLET.
  - FD-1 **FLOOR DRAIN**  
WATTS MODEL FD12-SQ WITH ADJUSTABLE SQUARE NICKEL BRONZE STRAINER AND 3" BOTTOM OUTLET.

PLUMBING LEGEND	
ABOVE FINISHED FLOOR	AFF
AREA DRAIN	AD
CLEANOUT	CO
COLD WATER	CW
ELECTRICAL CONTRACTOR	EC
EXTERIOR CLEANOUT (PVC FEMALE ADAPTER W/ BRASS CAP)	ECO
FLOOR DRAIN	FD
FREEZE PROOF WALL HYDRANT	FPWH
GENERAL CONTRACTOR	GC
GREASE INTERCEPTOR	GI
HOSE BIBB	HB
HOT WATER	HW
MECHANICAL CONTRACTOR	MC
OPEN RECEPTACLE	OR
PLUMBING CONTRACTOR	PC
POLYVINYL CHLORIDE	PVC
TYPICAL	TYP
VENT THROUGH ROOF	VTR
WATER HEATER	WH
SANITARY PIPING	— SAN —
GREASE WASTE PIPING	— GL —
STORM PIPING	— SS —
SANITARY VENT PIPING	— V —
DOMESTIC COLD WATER PIPING	— — —
DOMESTIC HOT WATER PIPING (110° F)	— — —
FILTERED COLD WATER	— FCW —
NATURAL GAS PIPING	— G —
PRESSURE GAUGE	— P —
SOLENOID VALVE	— SV —
GAS SHUT-OFF VALVE	— GV —
BALL VALVE	— BV —
SHUT-OFF VALVE AT EQUIPMENT	— SV@ —
BALL VALVE IN RISER	— BV@ —
PIPING ELBOW (TURNED UP/DOWN)	— E —
PIPING TEE (TURNED UP/DOWN)	— T —



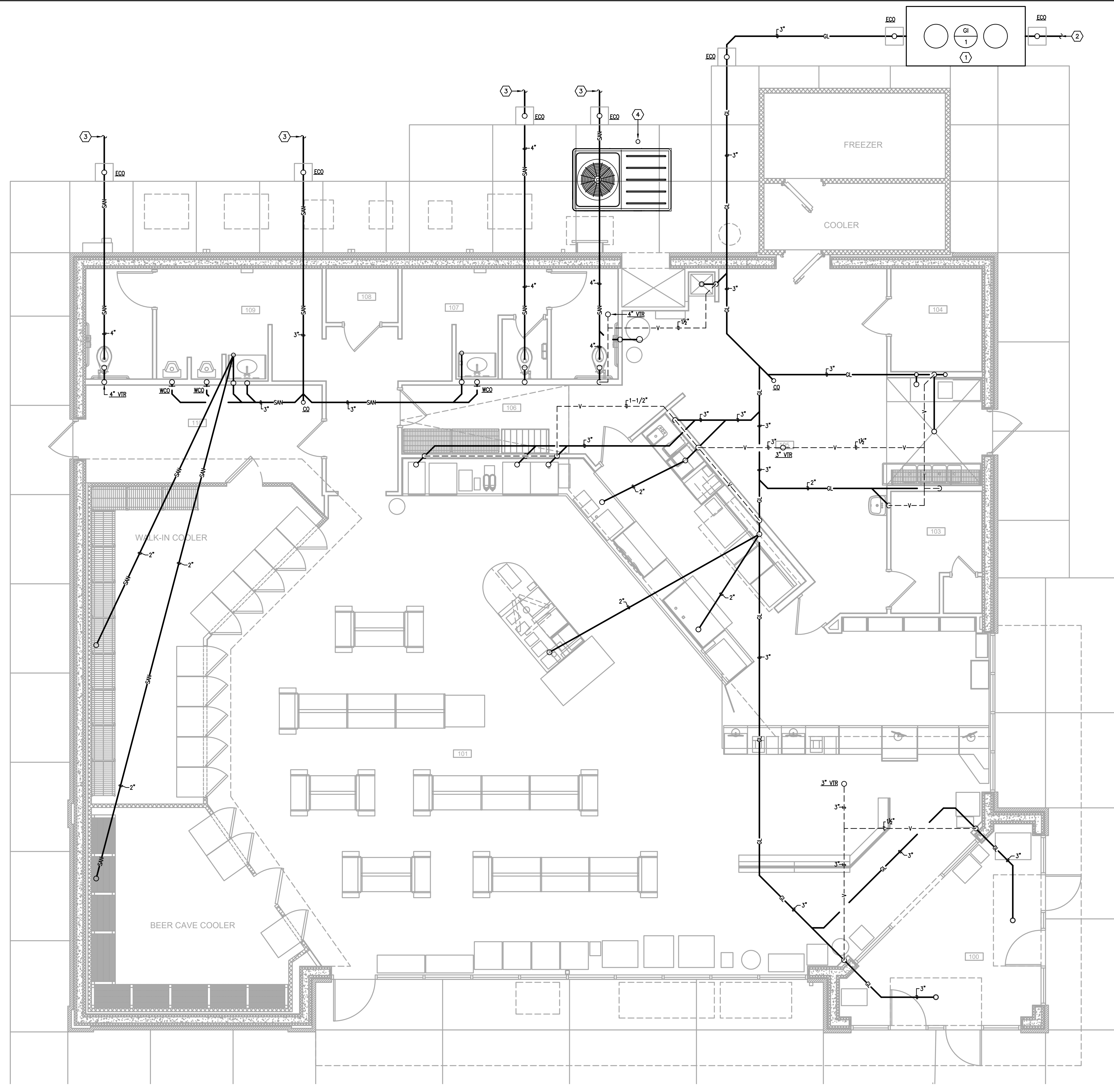
**SANITARY WASTE AND VENT RISER DIAGRAM**  
NOT TO SCALE  
1  
P1.01



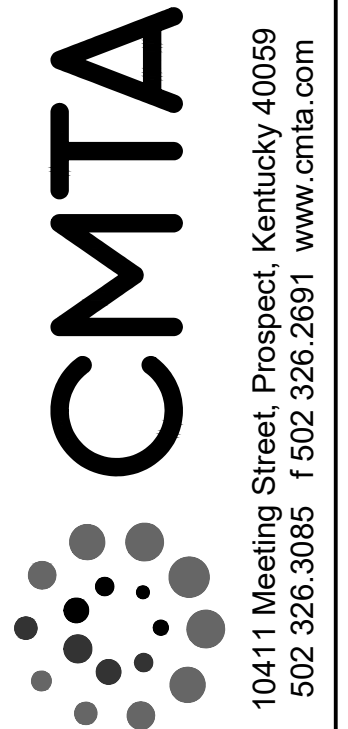
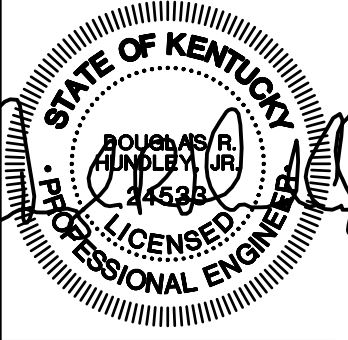
**2-WAY EXTERIOR CLEANOUT DETAIL**  
NOT TO SCALE

- PLUMBING TAG NOTES:**
1. FURNISH AND INSTALL A 1000 GALLON PRECAST CONCRETE GREASE TRAP. EXACT LOCATION SHALL BE SITE SPECIFIC AND DETERMINED BY OWNER.
  2. 3" SANITARY OUT TO SITE 5'-0". REFERENCE CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT LAYOUT OF EXTERIOR SANITARY WITH OWNER AND SITE PLAN PRIOR TO ROUGH-IN.
  3. 4" SANITARY OUT TO SITE 5'-0". REFERENCE CIVIL DRAWINGS FOR CONTINUATION. COORDINATE EXACT LAYOUT OF EXTERIOR SANITARY WITH OWNER AND SITE PLAN PRIOR TO ROUGH-IN.
  4. CONDENSATE LINE FROM HVAC EQUIPMENT SHALL BE CONNECTED TO THE DOWNSPOUT COLLECTION DRAIN LINE AT PERIMETER OF BUILDING.

- PLUMBING GENERAL NOTES:**
- A. PLUMBING CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS WITH DIMENSIONED LOCATIONS OF SANITARY, WATER AND GAS LINES. REFERENCE GENERAL NOTE "A" FOR PHOTOGRAPHING REQUIREMENTS. LOCATION, DIRECTION AND CORRESPONDING NUMBER OF EACH PHOTOGRAPH SHALL BE INDICATED ON THE AS-BUILT DRAWINGS.
  - B. THE OWNER SHALL CHECK WALLS FOR LOCATIONS OF ALL PLUMBING LINES PRIOR TO DRYWALL BEING INSTALLED.
  - C. PLUMBING CONTRACTOR SHALL CAULK OR FOAM ALL WALL/CEILING PENETRATIONS MADE AS A RESULT OF PLUMBING PIPING INSTALLATION PRIOR TO INSULATION BEING INSTALLED TO IMPROVE THE VAPOR BARRIER. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
  - D. THE FOUR COMPARTMENT SINK LIP SHALL BE SET AT 39" ABOVE FINISH FLOOR.
  - E. ALL TRENCHES UNDER PAVEMENT SHALL BE FILLED WITH STONE.
  - F. ALL TOILET FLANGES SHALL BE CAST IRON OR STAINLESS STEEL.
  - G. ALL INTERIOR AND EXTERIOR DOMESTIC WATER PIPING SHALL BE CROSS-LINKED POLYETHYLENE (PEX OR EQUAL).
  - H. ALL INTERIOR DOMESTIC WATER LINES SHALL BE 3/4" MINIMUM. WATER LINES SERVING FLUSH VALVES SHALL BE 1/2".
  - I. ALL DOMESTIC WATER LINES ENTERING AND EXITING THE BUILDING BELOW GRADE SHALL BE INSTALLED IN A SLEEVE FROM THE POINT WHERE THEY PENETRATE THE FLOOR TO BEYOND THE BLACK CONCRETE OR THE EQUIPMENT PAD, DEPENDING ON WHAT DIRECTION THEY EXIT THE BUILDING. THE SLEEVE SHALL BE AT LEAST 4" IN DIAMETER AND SHALL HAVE SWEEPING FITTINGS AT ANY BEND.
  - J. ALL WATER LINES SHALL BE SPACED 2" APART WHERE THEY PENETRATE THE FLOOR SLAB FOR EASE OF FUTURE MAINTENANCE.
  - K. ALL SHUT-OFF VALVES ON DOMESTIC WATER LINES SHALL BE TAGGED WITH 3/2" x 1/2" ENGRAVED LAMINATED OR BRASS TAGS.
  - L. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A FIVE POUND ANODE ON ALL FREEZE PROOF WATER HYDRANTS. GENERAL CONTRACTOR SHALL PROVIDE THE OWNER WITH PHOTOGRAPHS OF ALL ANODES TO VERIFY INSTALLATION.
  - M. GAS AND WATER UTILITY ENTRANCES INTO THE BUILDING SHALL BE SLEEVED TO OUTSIDE THE CONCRETE PADS.
  - N. PRIOR TO TOILETS BEING SET, THE PLUMBING CONTRACTOR SHALL VERIFY FLATNESS OF THE FLOOR WITH THE GENERAL CONTRACTOR TO ENSURE EACH TOILET WILL BE IN COMPLETE CONTACT WITH THE FLOOR AND NO SHIMS WILL BE REQUIRED.
  - O. EXTERIOR SEWER CLEANOUTS SHALL BE PLACED WHERE INDICATED ON THE PLANS AND/OR A MAXIMUM OF 95'-0" APART.
  - P. ALL OUTSIDE CLEANOUTS SHALL BE BRASS.
  - Q. ALL SANITARY AND GREASE WASTE PIPING SHALL BE SCHEDULE 40 PVC.



**FLOOR PLAN - SANITARY WASTE AND VENT**  
SCALE: 1/4"=1'-0"



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### PLUMBING FIXTURE SCHEDULE

DESIGNATOR	FIXTURE	CW	HW	SAN	VENT
P-1	WATER CLOSET - FLOOR SET - FLUSH VALVE	1/4"	--	4"	2"
P-1A	WATER CLOSET - FLOOR SET - FLUSH VALVE - ADA	1/4"	--	4"	4"
P-2	LAVATORY - INTEGRAL TO COUNTERTOP	1/2"	1/2"	1 1/2"	1 1/2"
P-3	URINAL - ADA	1/2"	--	2"	1 1/2"
P-4	FOUR COMPARTMENT STAINLESS STEEL SINK	3/4"	3/4"	2"	1 1/2"
P-4A	ONE COMPARTMENT HAND SINK INTEGRAL TO COUNTERTOP	1/2"	1/2"	1 1/2"	1 1/2"
P-4B	WALL-HUNG HAND SINK	1/2"	1/2"	1 1/2"	1 1/2"
P-5	RECESSED MOP BASIN - 24"x24"	--	--	3"	1 1/2"
P-6	ICE MAKER CONNECTION BOX	1/2"	--	--	--
HB	COLD WATER HOSE BIBB	3/4"	--	--	--
HB-1	HOT WATER HOSE BIBB	--	3/4"	--	--
HB-2	CONCEALED COLD WATER HOSE BIBB	3/4"	--	--	--
FPWH	FREEZE-PROOF WALL HYDRANT	3/4"	--	--	--
FD-1	SQUARE TOP FLOOR DRAIN - 3" OUTLET	--	--	3"	1 1/2"

NOTES:

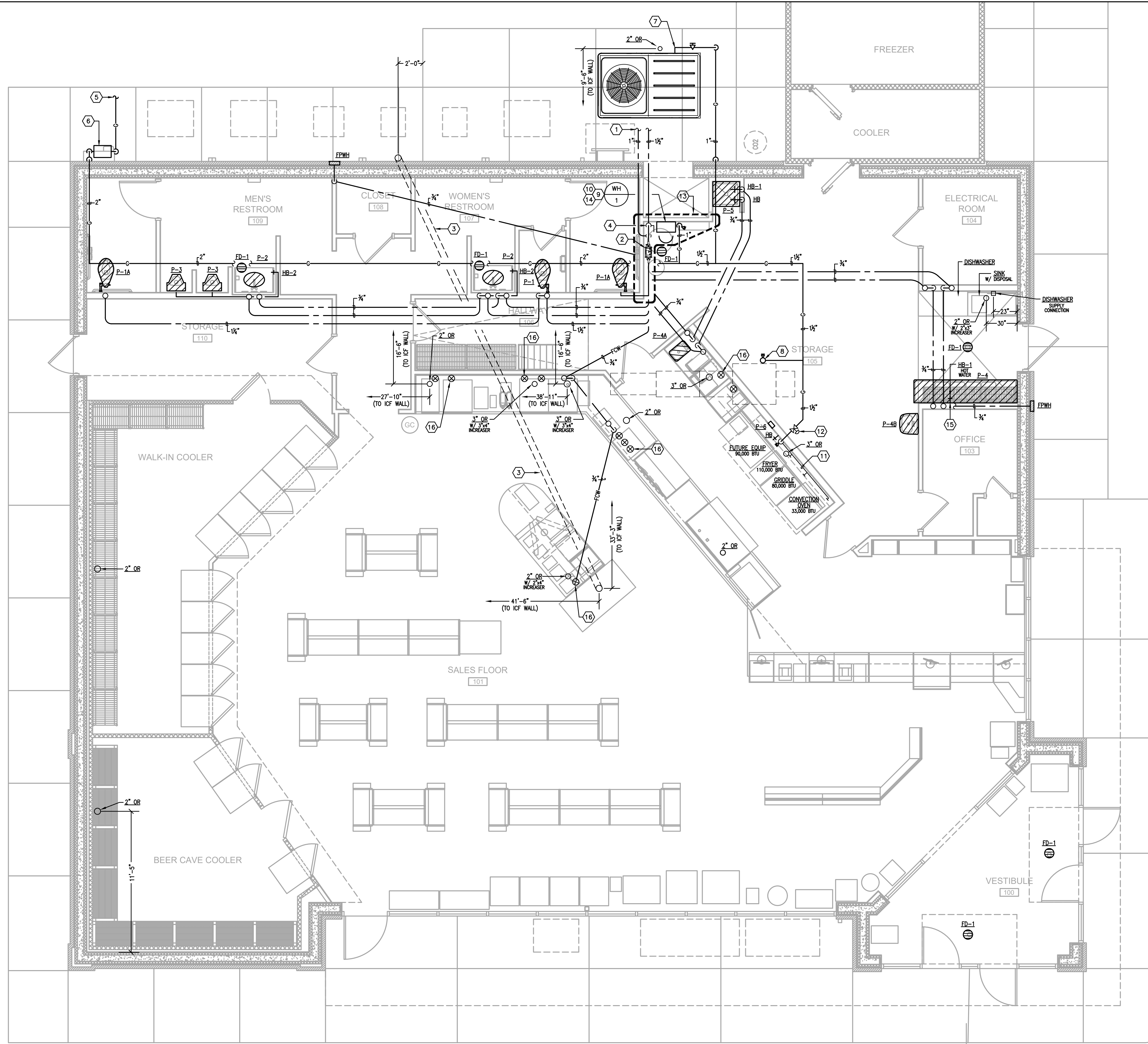
- PIPE SIZES ARE AS INDICATED UNLESS OTHERWISE NOTED ON FLOOR PLANS AND RISER DIAGRAMS.
- MINIMUM 2" SANITARY PIPING UNDERGROUND.
- PROVIDE ALL REQUIRED PIPING TO FIXTURES INDICATED ON THE FLOOR PLANS, INDICATED WITH A "P" DESIGNATION. PROVIDE PIPING OF SIZE INDICATED IN THIS SCHEDULE.
- PIPE ALL EQUIPMENT (SUPPLIED BY OTHERS) AS REQUIRED TO OBTAIN A FULL AND OPERATIONAL SYSTEM PROVIDE BACKFLOW PROTECTION AS/IF REQUIRED BY THE DETAILS AND BY THE STATE PLUMBING CODE ALL EQUIPMENT SHALL BE CONNECTED PER THE MANUFACTURER'S REQUIREMENTS. THE PLUMBING CONTRACTOR SHALL ALSO INSTALL ANY DRAIN PIPING CONNECTIONS AND SPILL INDIRECTLY TO EITHER AN OPEN RECEPTACLE OR FLOOR DRAIN. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT OF ALL EQUIPMENT.

#### PLUMBING TAG NOTES:

- (1) 1/2" and (1) 1" DOMESTIC WATER LINES OUT TO SITE. REFERENCE CIVIL DRAWINGS FOR CONTINUATION. WATER LINES MUST BE CONTINUOUS WITH NO JOINTS ALL THE WAY TO THE METER.
- FURNISH AND INSTALL 1/2" WILKINS MODEL 375 BACKFLOW PREVENTER WITH AIR GAP AND STRAINER. REFERENCE THE DOMESTIC WATER ENTRY PIPING SCHEMATIC ON DRAWING P1.01 FOR ADDITIONAL INFORMATION.
- FURNISH AND INSTALL 6" PVC SLEEVE BELOW SLAB WITH (2) 45° ELBOWS ON EACH END.
- (1) 1/2" and (1) 1" DOMESTIC WATER LINES UP FROM BELOW SLAB. REFERENCE DOMESTIC WATER ENTRY SCHEMATIC ON DRAWING P1.01 FOR ADDITIONAL INFORMATION.
- NATURAL GAS SERVICE OUT TO SITE. COORDINATE PIPE MATERIAL, SIZE AND GAS PRESSURE WITH LOCAL UTILITY COMPANY.
- FURNISH AND INSTALL NEW NATURAL GAS METER PER LOCAL UTILITY COMPANY REQUIREMENTS.
- EXTEND 1" GAS TO COOLING UNIT AND CONNECT. FURNISH AND INSTALL GAS SHUT-OFF VALVE AND 6" DIRT LEG.
- EXTEND 3/4" GAS TO MAKE-UP AIR UNIT ON ROOF AND CONNECT. FURNISH AND INSTALL 6" DIRT LEG AND GAS SOLENOID VALVE. INTERCONNECT GAS SOLENOID VALVE TO HOOD FIRE SUPPRESSION SYSTEM. COORDINATE THIS WORK WITH THE ELECTRICAL CONTRACTOR.
- EXTEND 1" GAS TO WATER HEATER AND CONNECT. FURNISH AND INSTALL GAS SHUT-OFF VALVE AND 6" DIRT LEG.
- WH-1 - FURNISH AND INSTALL A RINNAI MODEL RL75(VC2528FFUD-US), TANKLESS GAS FIRED WATER HEATER WITH MINIMUM INPUT OF 10,300 BTUH AND A MAXIMUM INPUT OF 180,000 BTUH.
- ROUTE 1/2" GAS HEADER LOW ON WALL BEHIND COOKING EQUIPMENT. FURNISH AND INSTALL GAS QUICK CONNECT AND GAS SHUT-OFF VALVE AT EACH PIECE OF EQUIPMENT AND PROVIDE (1) 3/4" QUICK CONNECT AND GAS SHUT-OFF VALVE FOR FUTURE CONNECTION.
- FURNISH AND INSTALL GAS SOLENOID VALVE. INTERCONNECT WITH HOOD FIRE SUPPRESSION SYSTEM.
- PROVIDE BRASS TAG LABELS AND SHUTOFF VALVES IN THIS AREA FOR WATER PIPING AT EACH WALL OR FLOOR PENETRATION.
- APPROXIMATE LOCATION OF PRESSURE ASSIST PUMP. REFERENCE DOMESTIC WATER ENTRY PIPING SCHEMATIC ON DRAWING P1.01 FOR ADDITIONAL INFORMATION.
- HOSE BIBB SHALL BE MOUNTED 18" ABOVE FINISH FLOOR AND 7"-8" OFF OF THE ICF WALL.
- FURNISH AND INSTALL A ZURN MODEL QCM43-6GX COPPER MANIFOLD AT EACH GROUP OF SHUT-OFF VALVES LOCATED WITHIN CABINET SPACE. (TYPICAL)

#### NEW GAS METER LOAD:

HVAC AIR HANDLING UNIT -	150,000 BTUH
DOMESTIC WATER HEATER -	180,000 BTUH
MAKE-UP AIR UNIT -	109,600 BTUH
KITCHEN EQUIPMENT -	313,000 BTUH
<b>TOTAL CONNECTED LOAD -</b>	<b>752,600 BTUH</b>



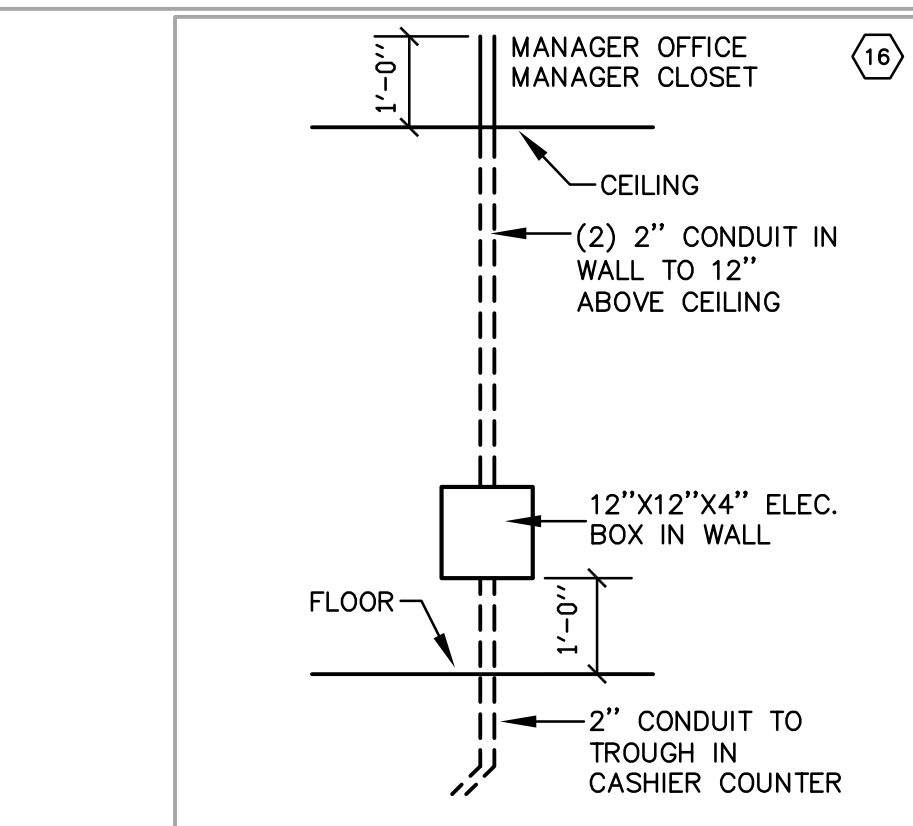
### FLOOR PLAN - WATER AND GAS

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

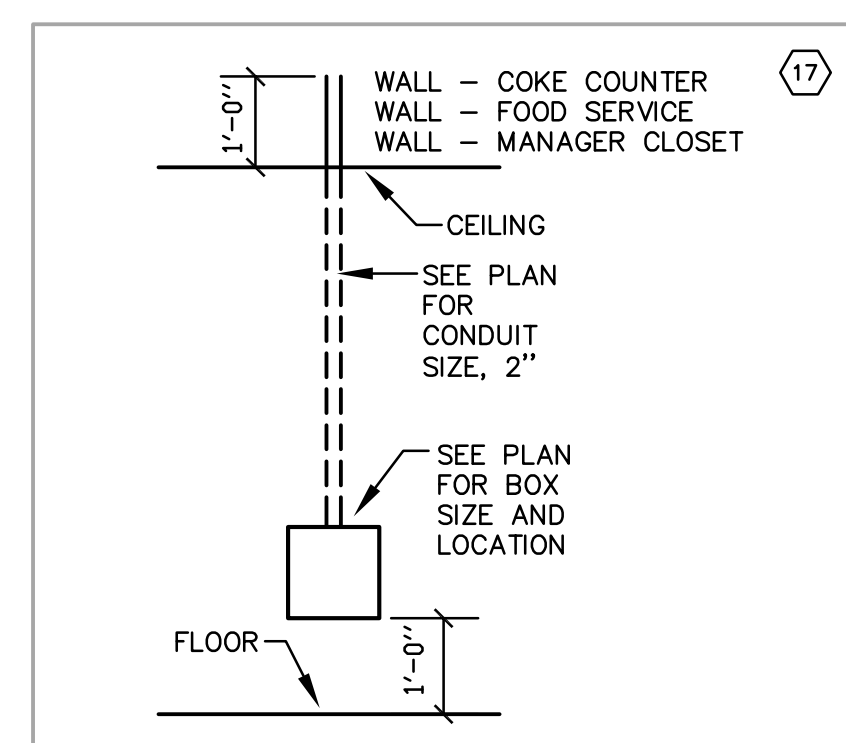
**LIGHT FIXTURE SCHEDULE**

TYPE	DESCRIPTION	MODEL	LAMPS	REMARKS	VOLTAGE
A4 72 FIXTURES	4' LED WITH HIGH STRENGTH POLYMER REFLECTOR AND HOUSING WITH TROUGH WIRING CHANNEL AND SURFACE OR SUSPENDED MOUNTING. PROVIDE 4000 LUMEN PACKAGE WITH 3500K COLOR TEMPERATURE.	LSI DV HD CV UE	LED'S INCLUDED.	PROVIDE WITH A MINIMUM 80 CRI AND 10 YEAR WARRANTY  MOUNT AT 11' ABOVE FINISHED FLOOR.	120V
A4E 6 FIXTURES	SAME FIXTURE AS "A4" BUT WITH EMERGENCY BATTERY.	LSI DV HD CV UE EM	LED'S INCLUDED.	PROVIDE WITH A MINIMUM 80 CRI AND 10 YEAR WARRANTY  MOUNT AT 11' ABOVE FINISHED FLOOR.	120V
C 4 FIXTURES	SURFACE VAPOR TIGHT LED WITH IMPACT RESISTANT FIBERGLASS HOUSING AND POLYCARBONATE LENS. PROVIDE WITH 3500K COLOR TEMPERATURE AND 6000 LUMEN OUTPUT.	LSI EG3 4 S LED HD CV UE	LED'S INCLUDED.	PROVIDE WITH A MINIMUM 80 CRI AND MINIMUM LM-80 RATING.	120V
EB 1 FIXTURE	LED COMPATIBLE, 375W, 90 MINUTE, SINE WAVE INVERTER WITH MAINTENANCE FREE BATTERY.	IOTA IIS 375 LED	NO LAMPS	PROVIDE SURFACE MOUNTED IN STORAGE ROOM AS INDICATED.	120V
F 2 FIXTURES	6" RECESSED LED DOWNLIGHT WITH SPECIFICATION GRADE REFLECTOR AND GALVANIZED STEEL FRAME.	RP 61100358/1C630C	LED'S INCLUDED.		120V
G 12 FIXTURES	LED SURFACE LIGHT WITH 5700K COLOR TEMPERATURE, DIE CAST ALUMINUM HOUSING WITH SYMMETRIC TYPE 5 DISTRIBUTION.	LSI CRU SM SC LED HD CV UE MSV	LED'S INCLUDED.	PROVIDE WITH A MINIMUM 69 CRI.  PROVIDE WITH A MINIMUM 90 LUMENS PER WATT  PROVIDE WITH A MINIMUM 90% LUMEN MAINTENANCE AT 50,000 HOURS OF USE.	120V
H 7 FIXTURES	LED COVE LIGHTING.	(1) LSI-LDL3-12-LED-CW-24 (6) LSI LDL3-48-LED-CW-24 (6) LSI 12" JUMPER 35148302 (1) LSI RPSE40 LED 120 POWER SUPPLY (2) LSI RPSE100 LED 120 POWER SUPPLY	LED'S INCLUDED.	PROVIDE LENGTH AS INDICATED ON PLANS.  PROVIDE WITH A MINIMUM 85 CRI.	120V
J 7 FIXTURES	18" STEMS WITH CANOPY.	(7) LSI-AUP-S-LED-HD-NW ACF16 GWT FROSTED LENS (7) LSI BC 600 3 GWT CANOPY	LED'S INCLUDED.	PROVIDE WITH 18" DOWN ROD FOR MOUNTING BELOW BEAMS	120V
K 8 FIXTURES	100 WATT 9" PENDANT WITH GALVANIZED HOUSING AND BLACK CORD.	BARNLIGHT BLE-C-LAR PC, LED12 975 SBK 1250 FL 120	LED'S INCLUDED.	COORDINATE SUSPENSION LENGTH WITH OWNER AND ARCHITECT.	120V
M 3 FIXTURES	WALL MOUNT LED WITH CAST ALUMINUM HOUSING AND TEMPERED GLASS LENS.	LSI PVMS LED HD CV UE BLK	LED'S INCLUDED.		120V
X1 1 FIXTURE	EXIT LIGHT WITH DUAL HEAD EMERGENCY LIGHTING AND BATTERY BACK UP.	LSI PRX RU BK LD11	LED'S INCLUDED.	PROVIDE WITH BATTERY CAPACITY TO POWER ALL ASSOCIATED EMERGENCY HEADS FOR 90 MINUTES.	120V
XX 2 FIXTURES	DUAL HEAD EXTERIOR REMOTE EMERGENCY LIGHTING HEADS	LSI 2TLED BLK	LAMPS INCLUDED	PROVIDE BATTERY BACK UP FROM NEAREST EXIT SIGN AS INDICATED ON PLANS.	120V
X2 3 FIXTURES	EXIT LIGHT WITH DUAL HEAD EMERGENCY LIGHTING AND BATTERY BACK UP.	LSI LPRX R U BK LD11 R	LED'S INCLUDED.	PROVIDE WITH BATTERY CAPACITY TO POWER ALL ASSOCIATED EMERGENCY HEADS FOR 90 MINUTES.	120V
XX2 2 FIXTURES	SINGLE HEAD EXTERIOR REMOTE EMERGENCY LIGHTING HEADS	LSI TLED VI BLK	LAMPS INCLUDED	PROVIDE BATTERY BACK UP FROM NEAREST EXIT SIGN AS INDICATED ON PLANS.	120V
CEILING FANS 3 FIXTURES		MEJA 52" CEILING FAN, FLUSH MOUNTED CEILING, WHITE			

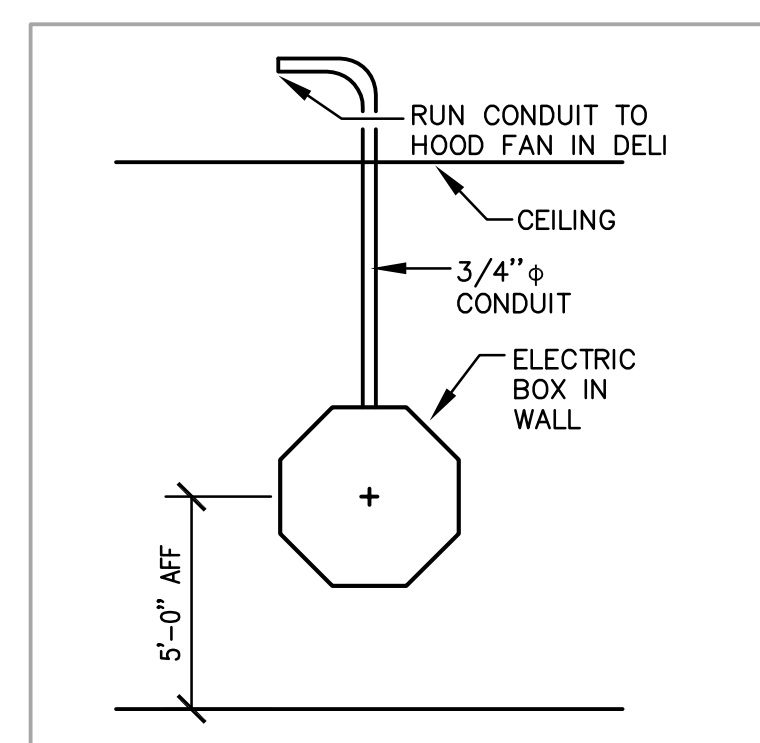
**EXTERIOR LIGHTING TIMECLOCK:**  
PROVIDE INTERMATIC ET9015C SINGLE CIRCUIT 365 DAY TIME CLOCK FOR EXTERIOR LIGHTING THROUGH SHUNT TRIP FUNCTION OF PANEL "D1"



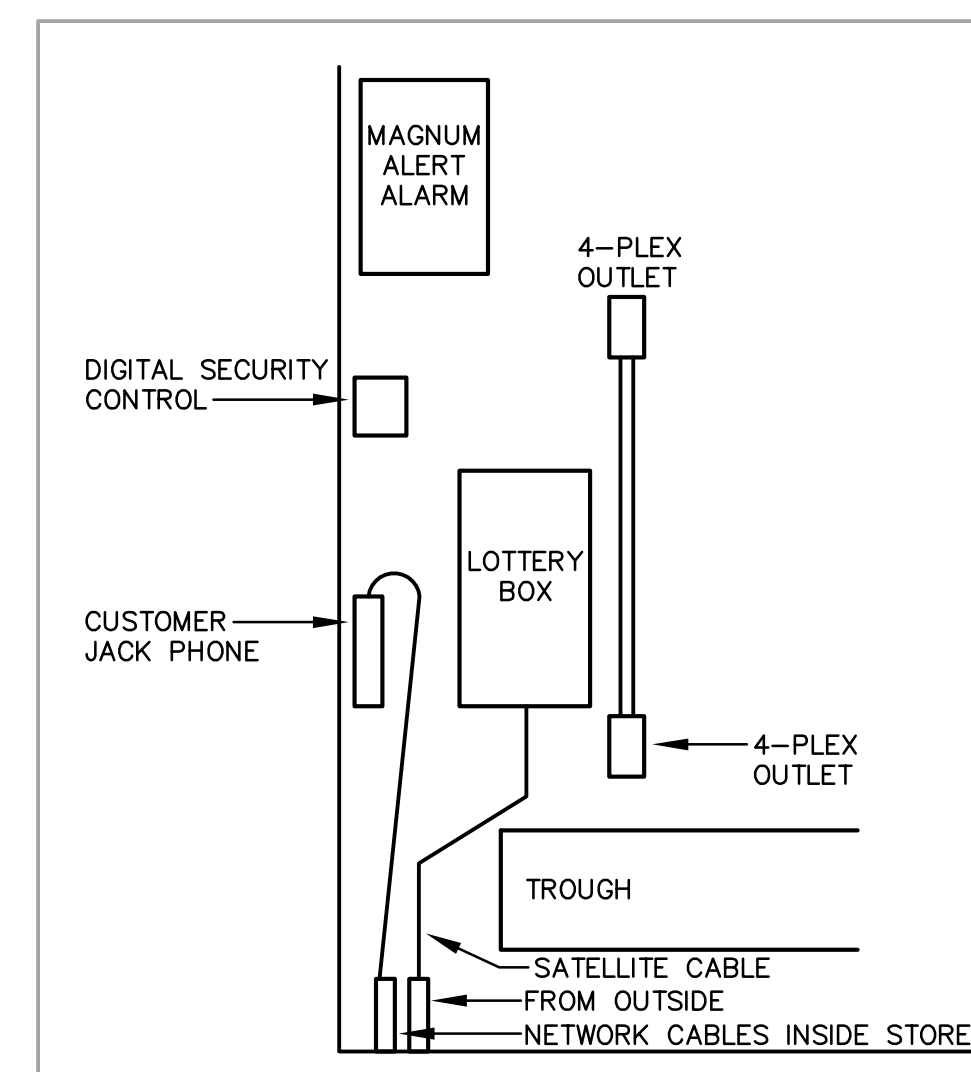
**01 WALL BOX DETAIL**  
NO SCALE



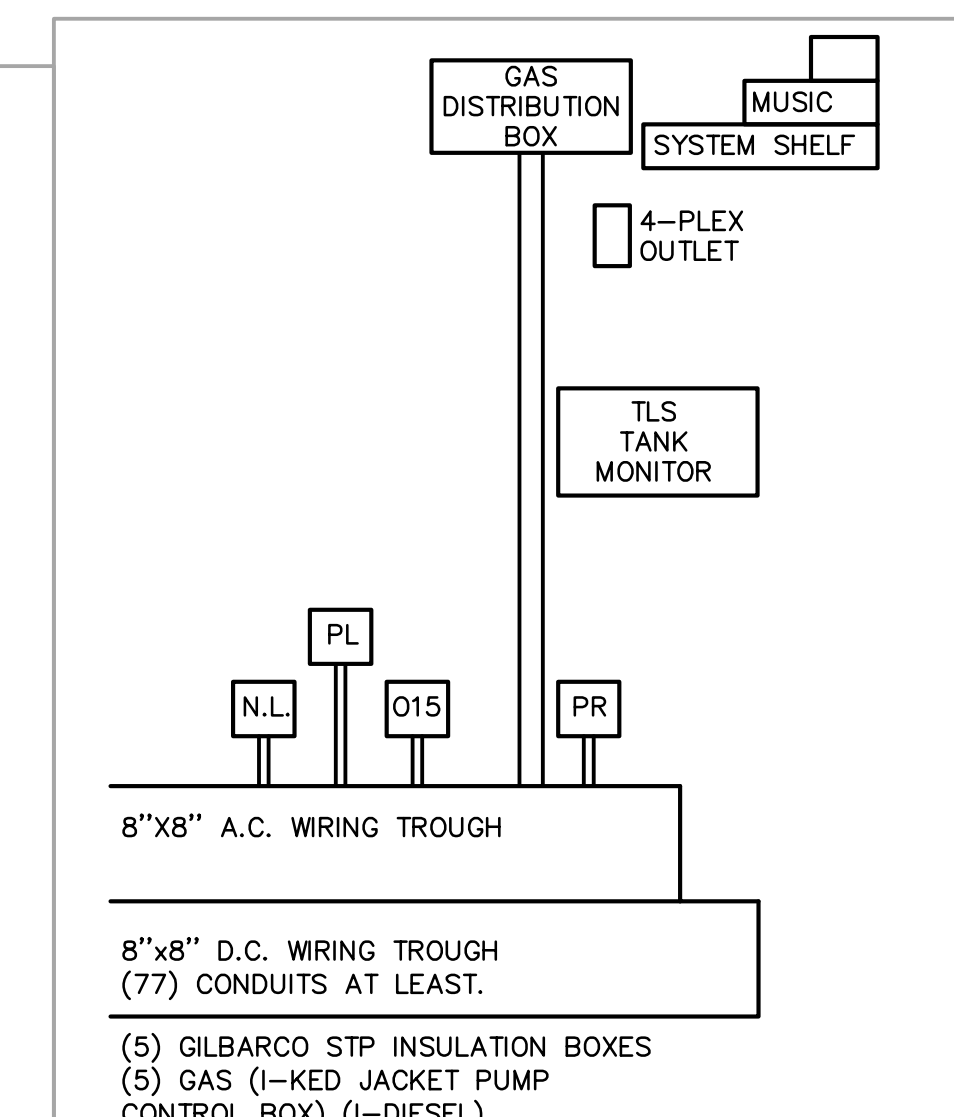
**02 WALL BOX DETAIL**  
NO SCALE



**03 DELI HOOD FAN SAFETY SWITCH DETAIL**  
NO SCALE



**04 PART. ELEC. ROOM TROUGH ELEVATION**  
NO SCALE



**05 PART. ELEC. ROOM TROUGH ELEVATION**  
NO SCALE

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPECS IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL
SWITCHES	LIGHT SWITCH-GENERAL PURPOSE			4'-0"	S
	DIMMER SWITCH			4'-0"	S-D
	THREE-WAY SWITCH			4'-0"	S-3
	DUAL TECHNOLOGY, ULTRASONIC WALL MOUNTED TYPE OCCUPANCY SENSOR	SONDRIVETO 8X8X2P1		4'-0"	S-OS
	PILOT LIGHT SWITCH ILLUMINATED WHEN LOAD IS ON			4'-0"	S-P
LIGHTING	CEILING MOUNTED OCCUPANCY SENSOR	800 ELECTRIC LIGHT ALERT SMART SWITCH - L08440			S-OS
	2'-0" FLUORESCENT WALL MOUNT	SEE SCHEDULE		6'-6"	FL
POWER OUTLETS	2"x2" FLUORESCENT TROFFER	SEE SCHEDULE		CEIL.	FL
	2"x4" FLUORESCENT TROFFER	SEE SCHEDULE		CEIL.	FL
	1"x4" FLUORESCENT TROFFER	SEE SCHEDULE		CEIL.	FL
	DOWNLIGHT	SEE SCHEDULE		CEIL.	DL
	EXIT LIGHT (CEILING, WALL MOUNT)	SEE SCHEDULE		AS NOTED	EX
MISC.	SIMPLEX			1'-6"	S
	DUPLEX - SAFETY TYPE			1'-6"	S
	DUPLEX			1'-6"	S
	DUPLEX (ABOVE COUNTERTOP)			1'-6"	S
	DUPLEX WITH INTEGRAL GROUND FAULT PROTECTION			1'-6"	S-GFI
	GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE DIVIDER IF LIGHTING CIRCUIT IS 277V)			4'-0"	S-C/S
	QUADRUPLX RECEPTACLE			1'-6"	S
	JUNCTION BOX				J
	208/1Ø RECEPTACLE, AS NOTED			NOTED	J
	208/3Ø RECEPTACLE, AS NOTED			1'-6"	J
	DUPLEX - SURGE SUPPRESSION TYPE			1'-6"	J-SS
	DUPLEX - WALL MOUNTED			4'-0"	J-W
	WEATHER RESISTANT DUPLEX - WITH WEATHER-PROOF "W" IN USE" TYPE DIE-CAST METAL COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET INTERMATIC GAUSSIAN SERIES OR EQUAL.			1'-6"	J-WP
	CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE (ARROWS INDICATES) HOME RUN & # OF CIRCUITS. HIGHLIGHTS INDICATE # OF CONDUCTORS				C
	DISCONNECT SWITCH			5'-0"	D
MAGNETIC STARTER			5'-0"	M	
MAGNETIC COMBINATION STARTER			5'-0"	M	
ENCLOSED FLUSH MTD. CIRCUIT BREAKER			5'-0"	M	
WEATHERPROOF				WP	
EMERGENCY PANEL BOARD, SURFACE OR FLUSH MOUNTED			6'-6" TO TOP	EB	
NORMAL PANEL BOARD, SURFACE OR FLUSH MOUNTED			6'-6" TO TOP	EB	
H.E.S. (MAJOR EQUIPMENT SCHEDULE) # INDICATOR				H	
TAGGED NOTE				T	
REVISION NOTE				R	
MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)				M	
JUNCTION BOX		AS NOTED	AS NOTED	J	
PROVIDE CONNECTION TO HAND DRYER				J	
PLUMBING FIXTURE SOLENOID VALVE/ELECTRIC EYE SENSOR CONNECTION COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.				P	
PLUMBING FIXTURE ELECTRIC EYE TRANSFORMER CONNECTION. TRANSFORMER SHALL BE 120V-24V. MOUNT ABOVE SUSPENDED ACCESSIBLE CEILING IN 1-8\"/>					

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPECS IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL
SPECIAL OUTLETS	PLUMBING FIXTURE SOLENOID VALVE/ELECTRIC EYE SENSOR CONNECTION COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.				P
	PLUMBING FIXTURE ELECTRIC EYE TRANSFORMER CONNECTION. TRANSFORMER SHALL BE 120V-24V AND SUPPLIED WITH SUSPENDED ACCESSIBLE CEILING AS REQUIRED. PROVIDE ADDITIONAL TRANSFORMERS OF SAME TYPE AS/IF NEEDED.				P
DATA / VOICE / VIDEO	DATA OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA JACKS TO BE PROVIDED AND INSTALLED. IF NO NUMBER IS INDICATED, THERE SHALL BE ONLY ONE DATA JACK.		1Ø	1'-6"	D, V, 2Ø, 3Ø

**AS BUILT DRAWINGS:**

CONTRACTOR SHALL PROVIDE DETAILED AS BUILT DOCUMENTS UPON COMPLETION OF CONSTRUCTION INCLUDING A DIMENSIONED PLAN SHOWING LOCATIONS OF ALL CONDUITS.

**GENERAL NOTES (APPLICABLE TO ALL WORK AND DOCUMENTS):**

- EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO INSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.)
- INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURERS' RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.
- THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, USE NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
- WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATIONS IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING INSTALLER.
- REFER TO ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, INSTALL LIGHT FIXTURES, DIFFUSERS, REGISTERS, GRILLES, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER CEILING MOUNTED APPURTENANCES IN THE CEILING IN A SYMMETRICAL PATTERN, UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISE OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTORS' EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LABELED BY UNDERWRITERS' LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVED AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.
- ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES, EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.
- WHERE EXIT LIGHTS ARE CONNECTED TO EMERGENCY CIRCUITS WITH KEYSWITCH OR CONTACTOR CONTROL, AN UNSWITCHED LINE SHALL BE PULLED IN TO MAINTAIN THEIR OPERATION REGARDLESS OF SWITCH POSITION.
- WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE.
- WHERE OUTLETS ARE LOCATED APPROXIMATELY BACK-TO-BACK ON OPPOSITE SIDES OF A PARTY WALL, THE OUTLETS SHALL NOT BE INSTALLED IN THE SAME STUD SPACE, BUT SHALL BE SEPARATED BY A MINIMUM OF ONE STUD, UNLESS OTHERWISE APPROVED BY THE ARCHITECT.
- ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.
- DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
- IF A CANOPY DEDICATED TO DISPENSING DIESEL FUEL IS TO BE CONSTRUCTED, PROVIDE WIRING FOR AN EMERGENCY STOP OUTSIDE OF THE BUILDING ON THE CLOSEST CORNER.

PROJECT NO:  
22-4336  
DRAWN BY:  
BMP  
DATE:  
06-29-2022

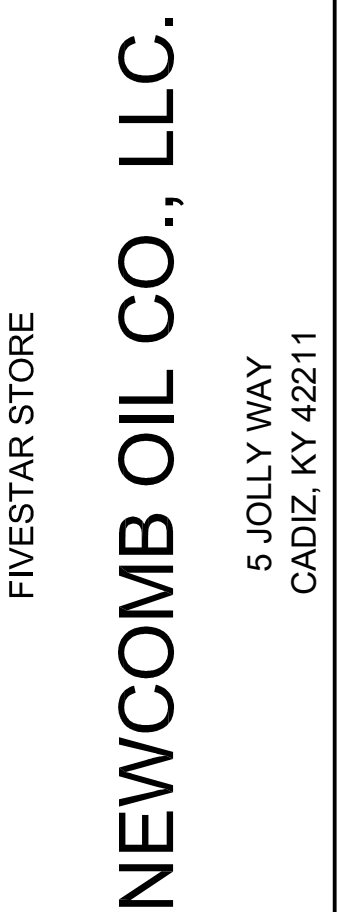
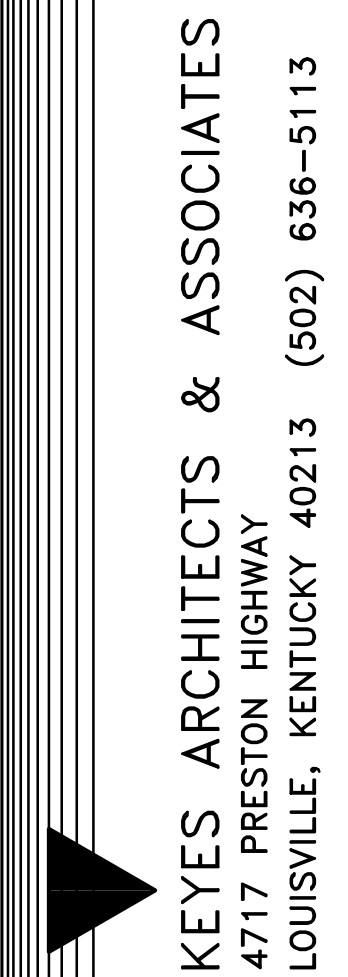
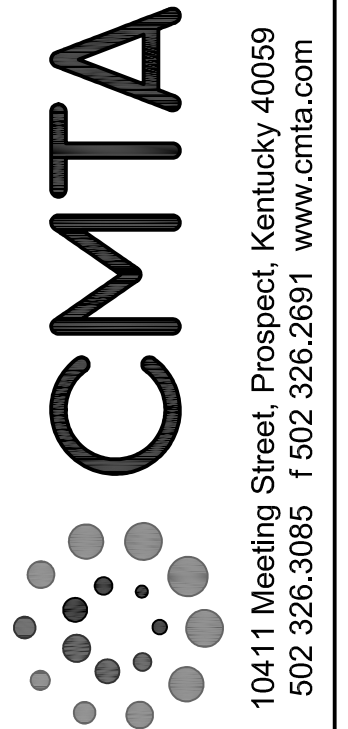
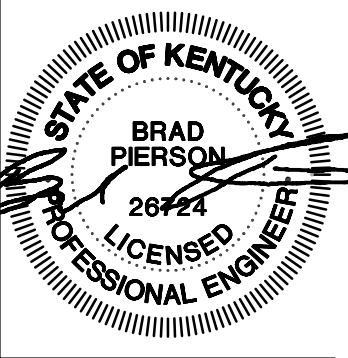
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**NEWCOMB OIL CO., LLC.**  
FIVESTAR STORE  
5 JOLLY WAY  
CADIZ, KY 42211

ELECTRICAL LEGEND AND DETAILS  
**E1.00**



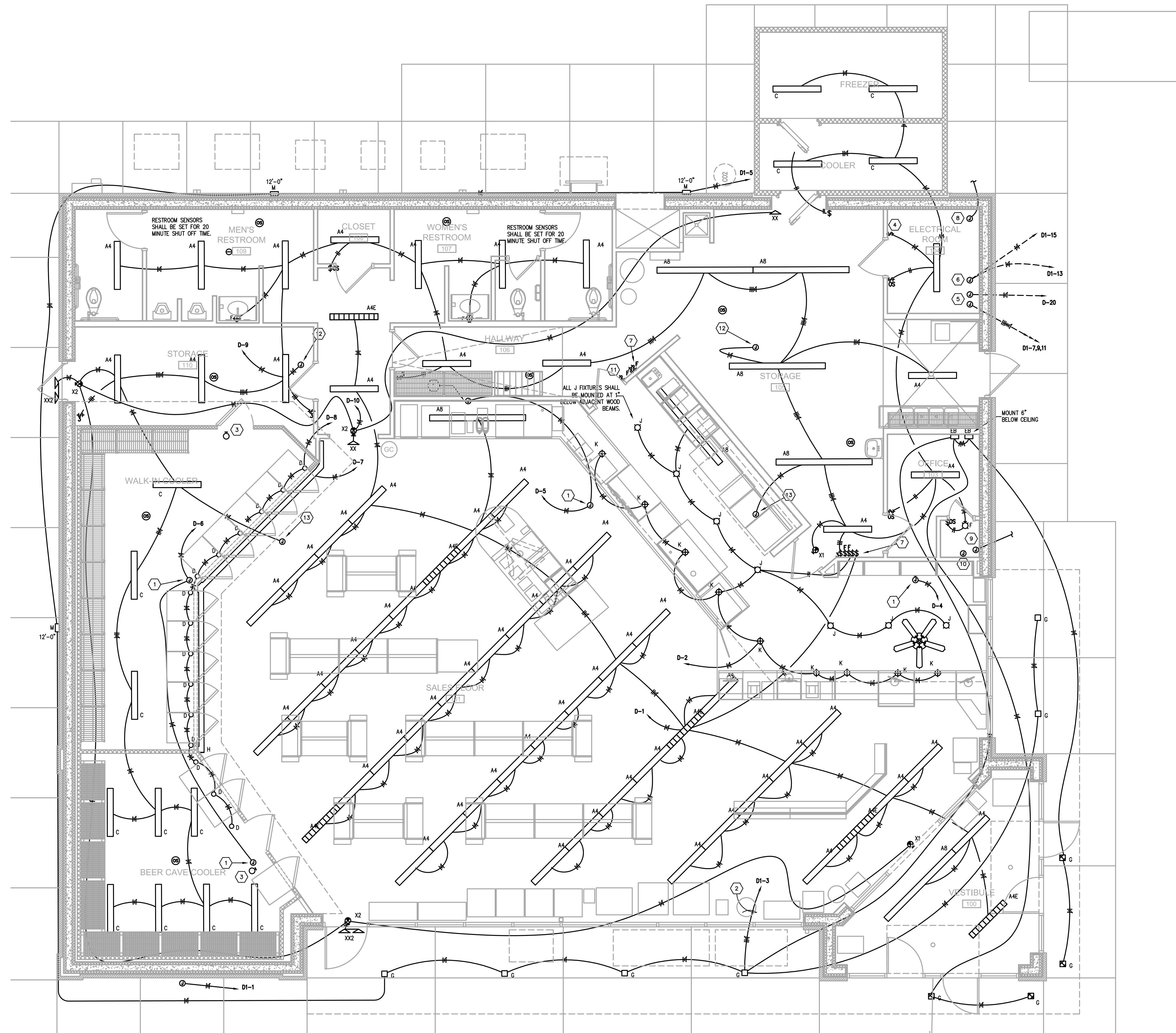


GENERAL NEW WORK NOTES (LIGHTING):

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES ETC. REFER ALSO TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHT FIXTURES, ETC.
- B. ALL NEW WIRING SHALL BE #12 WITH A #12 INSULATED GROUND WIRE (I.O.N.), CONDUIT SHALL BE 3/4" MINIMUM.
- C. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- D. ALL UNDERGROUND TRENCHES SHALL BE FILLED WITH STONE.
- E. MC CABLING SHALL BE ACCEPTABLE WHERE CONCEALED IN WALLS AND CEILINGS. EMT SHALL BE USED AT ALL EXPOSED LOCATIONS.
- F. A DIMENSIONED AND DETAILED AS-BUILT PLAN SHALL BE PROVIDED BY THE CONTRACTOR INDICATING ALL CONDUIT ROUTES. THE CONTRACTOR SHALL TAKE AND PROVIDE PHOTOS OF ALL UNDERGROUND UTILITIES PRIOR TO COVERING OF TRENCHES.
- G. ALL EMPTY CONDUITS FOR FUTURE USE SHALL BE PROVIDED WITH A PULL STRING.
- H. ALL CONDUITS STUBBED UP FROM FLOOR INTO WIRING TROUGH SHALL BE SEALED AS REQUIRED FOR GAS SEALS. THIS SHALL APPLY TO ALL CONDUITS IN THE TROUGH WHETHER SERVING GAS EQUIPMENT OR NOT.
- I. ALL SWITCHES SHALL BE MOUNTED AS TIGHT TO DOOR FRAMES AS POSSIBLE TO MAXIMIZE AVAILABLE WALL SPACE. PROVIDE MULTITRANS SWITCHBORES WHEREVER POSSIBLE. NO SWITCHES SHALL BE MOUNTED ANY MORE THAN 12" FROM DOOR FRAME.

TAGGED NOTES :

- 1. DECORATIVE GRAPHICS LIGHTING J-BOX. ROUTE ALL CONDUIT AND WIRING CONCEALED TO SIGNAGE. PROVIDE BOX IN VERTICAL FACE OF SOFFIT AS REQUIRED. CONNECTION SHALL BE CENTERED OVER SHELVEING AND LOCATED 9" ABOVE THE TOP OF THE OPENING. CONTROL WITH INTERIOR LIGHTING. PROVIDE WITH 14-1/2" WIDE X 6" TALL X 4" DEEP JUNCTION BOX ACCESSIBLE FROM THE MANAGER'S OFFICE WITH ONE CIRCUIT AND NIPPLE OUT THE BACKSIDE TO FEED SIGN. MOUNT 8-1/2" ABOVE FINISHED OPENING CENTERED OVER SHELVEING. COORDINATE EXACT ELEVATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- 2. EXTERIOR LIGHTING CIRCUIT SHALL BE CONTROLLED THROUGH EXTERIOR LIGHTING PHOTOCELL AS REQUIRED. PROVIDE UNSWITCHED CONDUIT BYPASSING PHOTOCELL FOR CONNECTION TO BATTERY BACK UP "EB" DEVICES IN OFFICE 103.
- 3. FREEZER VAPOR PROOF LIGHT PROVIDED WITH COOLER SHALL NOT BE CONNECTED.
- 4. PROVIDE SWITCH AT LOCATION INDICATED FOR OVERRIDE OF OCCUPANCY SENSOR IN ROOM. SWITCH SHALL PROVIDE BYPASS OF OCCUPANCY SENSOR RELAY AS REQUIRED FOR OVERRIDE.
- 5. PROVIDE CONNECTIONS TO SITE LIGHTING POLES AS REQUIRED BY SITE PLAN. PROVIDE ADDITIONAL CIRCUIT TO EACH LIGHTING POLE FOR BASE MOUNTED RECEPTACLE. RECEPTACLE SHALL BE MOUNTED ON POLE BASE AND NOT AT POLE ACCESS BOX. REFER TO SITE SPECIFIC DRAWINGS FOR FURTHER REQUIREMENTS.
- 6. REFER TO SITE SPECIFIC PLANS FOR EXACT SIGN LOCATIONS AND REQUIREMENTS. SITE SIGNAGE SHALL BE WIRED IN THE FOLLOWING MANNER:
  - 6.A. (2) 3/4" CONDUITS FROM THE ELECTRICAL ROOM TO EACH SIGN. DO NOT LOOP CONDUITS FROM ON SIGN TO ANOTHER.
  - 6.B. ON THE POLE SIGN, PROVIDE (2) 3/4" CONDUITS THAT LOOP FROM ONE LEG OF THE SIGN TO THE OTHER LEG OF THE SIGN.
  - 6.C. ONE CONDUIT TO EACH SIGN SHALL HAVE (3) 120V 20 AMP CIRCUITS WITH #10 CONDUCTORS AND GROUND FOR EACH CIRCUIT. (2) CIRCUITS SHALL ALWAYS BE HOT AND ONE SHALL BE SWITCHED WITH THE EXTERIOR LIGHTING PHOTOCELL.
  - 6.D. ONE CONDUIT TO EACH SIGN IS FOR FUTURE LOW VOLTAGE USE. THIS CONDUIT SHALL NOT BE LOOPED BETWEEN SIGNS.
  - 6.E. THE SIGN CONDUIT SHALL NOT BE COMBINED WITH AREA LIGHTING. ALL AREA LIGHTS SHALL BE FEED THROUGH SEPARATE CONDUITS.
  - 6.F. ALL BUILDING SIGNS SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
- 7. PROVIDE PERMANENT LABELS ON SWITCHES TO INDICATE LOAD SERVED.
- 8. PROVIDE 1-1/4" CONDUIT FROM NEW SATELLITE LOCATION TO CHECK OUT COUNTER. SATELLITE WILL NEED TO BE LOCATED TO A NON CANOPY LOCATION OUT THE BACK OF THE STORE.
- 9. PROVIDE 1" CONDUIT FROM CLOSET TO ALL SITE CANOPIES FOR SURVEILLANCE CAMERAS. COORDINATE EXACT REQUIREMENTS WITH SITE PLANS.
- 10. PROVIDE 2" CONDUIT FROM OFFICE CLOSET TO 12" ABOVE ATTIC INSULATION.
- 11. INTERIOR LIGHTING CIRCUITS SHALL BE ROUTED THROUGH INTERIOR LIGHTING CONTRACTOR FOR CONTROL OF ALL INTERIOR ZONES. SWITCH INDICATED SHALL BE USED FOR CONTROL OF CONTRACTOR.
- 12. PROVIDE KEYLESS LIGHT FIXTURE ABOVE SOUTLE OPENING IN ATTIC SPACE AT LOCATION INDICATED.
- 13. PROVIDE KEYLESS LIGHT FIXTURE CENTERED ABOVE WALKWAY IN ATTIC SPACE AT LOCATION INDICATED.



ELECTRICAL - LIGHTING

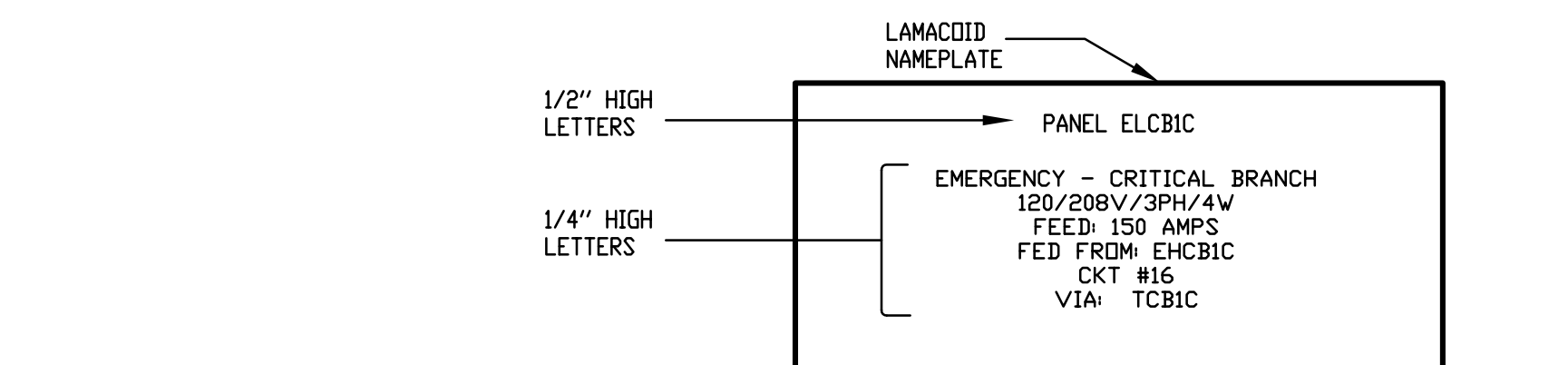
1/4" = 1'-0"



**PANELBOARD AND WIRING SCHEDULE - (Double Tub, Double Trim)**

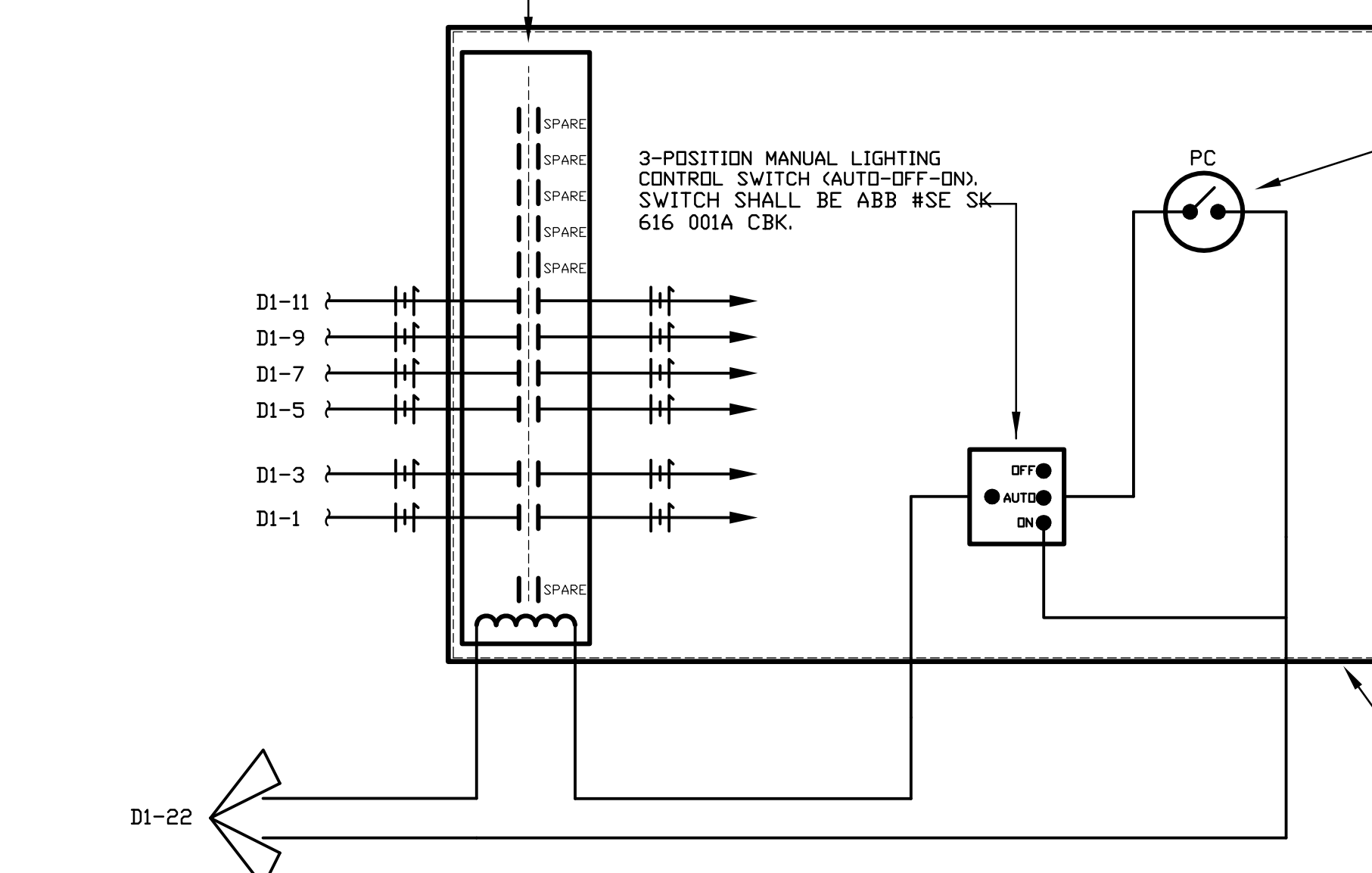
PANELBOARD:	A			AMPERES:	100	VOLTAGE: 120/208	PHASE:	1	WIRE:	3	MANUF.:	SQUARE D	TYPE:	MODULAR				
GND	CON	A	B	C	DESIGNATION	WIRE	BKR	CKT	CKT	BKR	WIRE	DESIGNATION	A	B	C	CON	GND	
12	3/4"	1.4			DISP 1+2		12	15/2	1	2	15/2	12	UNL STP	1.1			3/4"	12
12	3/4"				DISP 3+4		12	15/2	3	4	---	---	---			1.1	---	---
12	3/4"	1.4			DISP 5+6		12	15/2	5	6	15/2	12	SUPER STP	1.1			3/4"	12
12	3/4"			1.4	DISP 7+8		12	15/2	7	8	---	---	---			1.1	---	---
12	3/4"	1.4			DISP 9+10		12	15/2	9	10	15/2	12	DIESEL STP	1.1			3/4"	12
12	3/4"			1.4	DISP 11+12		12	15/2	11	12	---	---	---			1.1	---	---
12	3/4"	1.4			DISP 13+14		12	15/2	13	14	15/2	12	K-1 STP	0.7			3/4"	12
12	3/4"			1.4	DISP 15+16		12	15/2	15	16	---	---	---			0.7	---	---
12	3/4"	1.4			DISP 17+18		12	15/2	17	18	15/2	12	DEF STP	0.8			3/4"	12
12	3/4"			0.6	GAS CANOPY LIGHTS		12	15/1	19	20	---	---	---			0.8	---	---
12	3/4"	0.6			GAS CANOPY LIGHTS		12	15/1	21	22	15/1	12	DIESEL CANOPY LIGHTS	0.6			3/4"	12
12	3/4"			0.6	GAS CANOPY LIGHTS		12	15/1	23	24	15/1	12	DIESEL CANOPY SIGN	1.0		1.0	3/4"	12
12	3/4"	1.0			GAS CANOPY SIGN		12	15/1	25	26	20/2	---	SPARE					
					---				28	28	---	---	---					
					SPARE SWITCHED NEUTRAL				30	30	20/2	---	SPARE					
					---				32	32	---	---	---					
					SPARE SWITCHED NEUTRAL				34	34	20/2	---	SPARE					
					---				36	36	---	---	---					
					SPARE SWITCHED NEUTRAL				38	38	20/2	---	SPARE					
					---				40	40	---	---	---					
					SPACE				42	42	15/1	12	OUTLET FOR D-BOX	1.0			3/4"	12
					SPACE				44	44	15/1	---	SPARE					
					SPACE				46	46	15/1	---	SPARE					
					SPACE				48	48	20/1	---	SPARE					
					SPACE				49	49	20/1	---	SPARE					
					SPACE				51	52	20/1	---	SPARE					
		10.0		0.2	SUB-TOTAL								KVA	SUB-TOTAL	6.4		5.8	
													KVA	GROSS-TOTAL	16.4		14	30.40

GENERAL RECEPTACLE LOAD: 25.1 KVA  
EQUIPMENT / LIGHTING LOAD: 5 KVA  
NEC DEMAND LOAD: 22.6 KVA

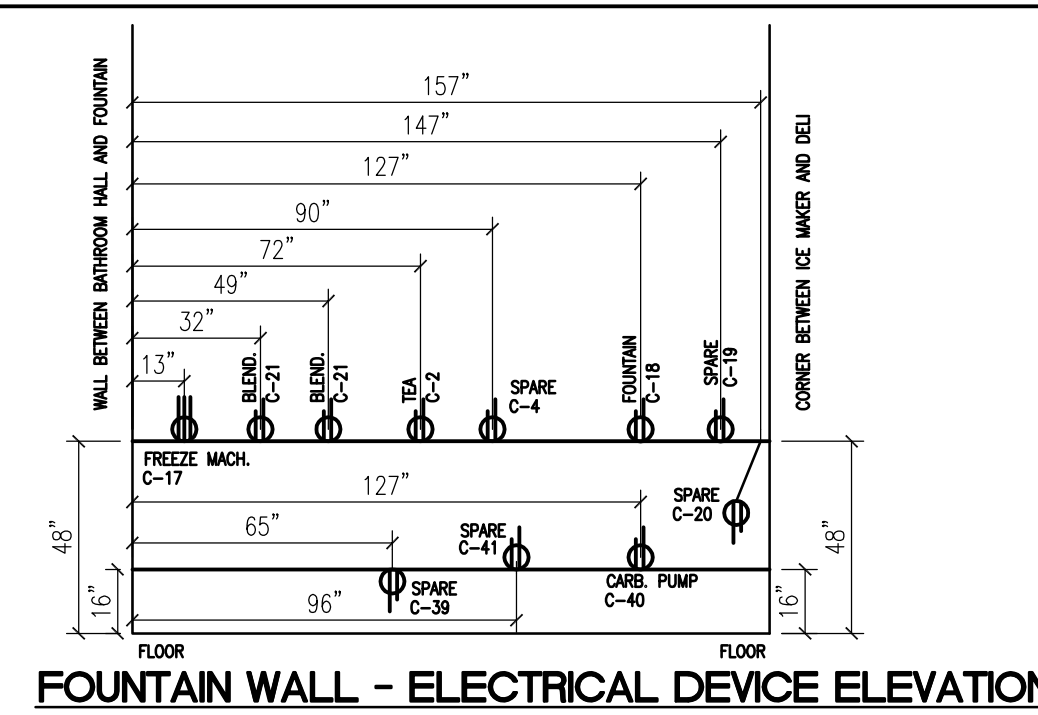


**GENERAL NOTES:**  
A. NORMAL POWER PANELS SHALL HAVE BLACK BACKGROUND WITH WHITE LETTERS. EMERGENCY PANELS SHALL HAVE RED BACKGROUND WITH WHITE LETTERS.  
B. UTILIZE SELF ADHESIVE TYPE LAMACOID PLATE FOR ALL AREAS, EXCEPT UTILIZE SCREW-ON TYPE IN ALL MECHANICAL ROOMS.

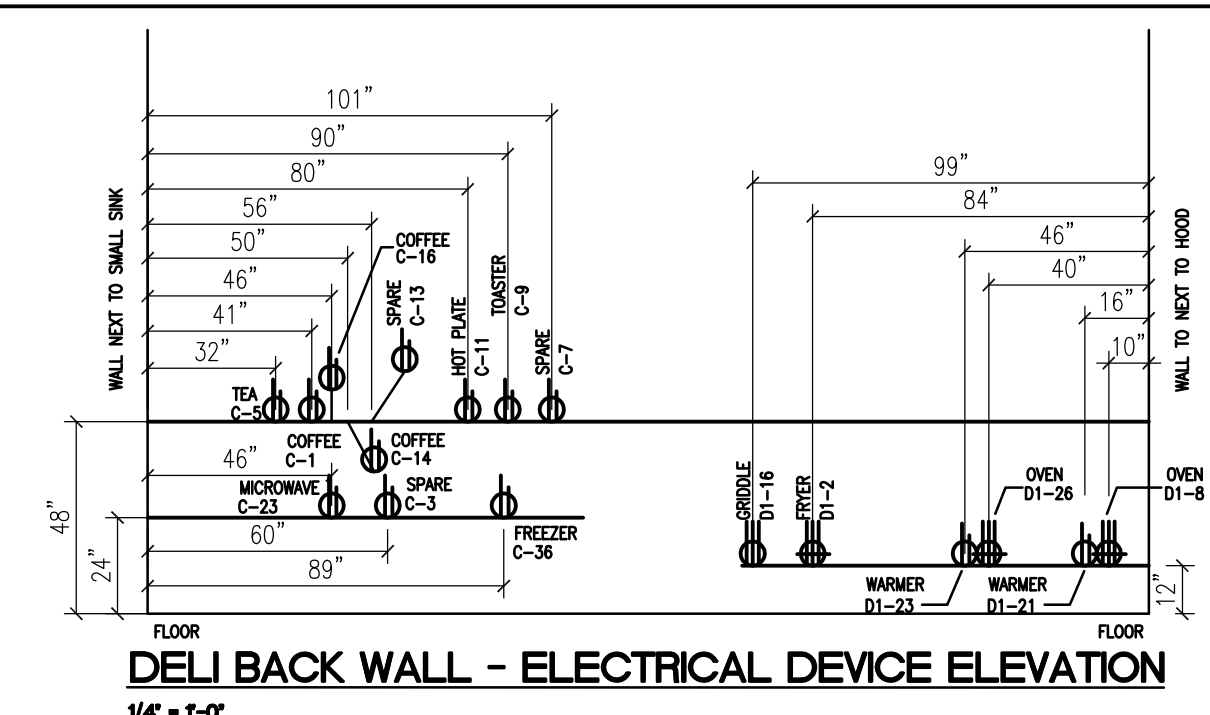
LIGHTING CONTROL CONTACTOR CABINET (LOCATE IN ELEC. ROOM). PROVIDE WITH NUMBER OF 20A CONTACTS AS REQUIRED AND A 120V CONTROL COIL IN A NEMA-12 ENCLOSURE. ASCD #917 SERIES.



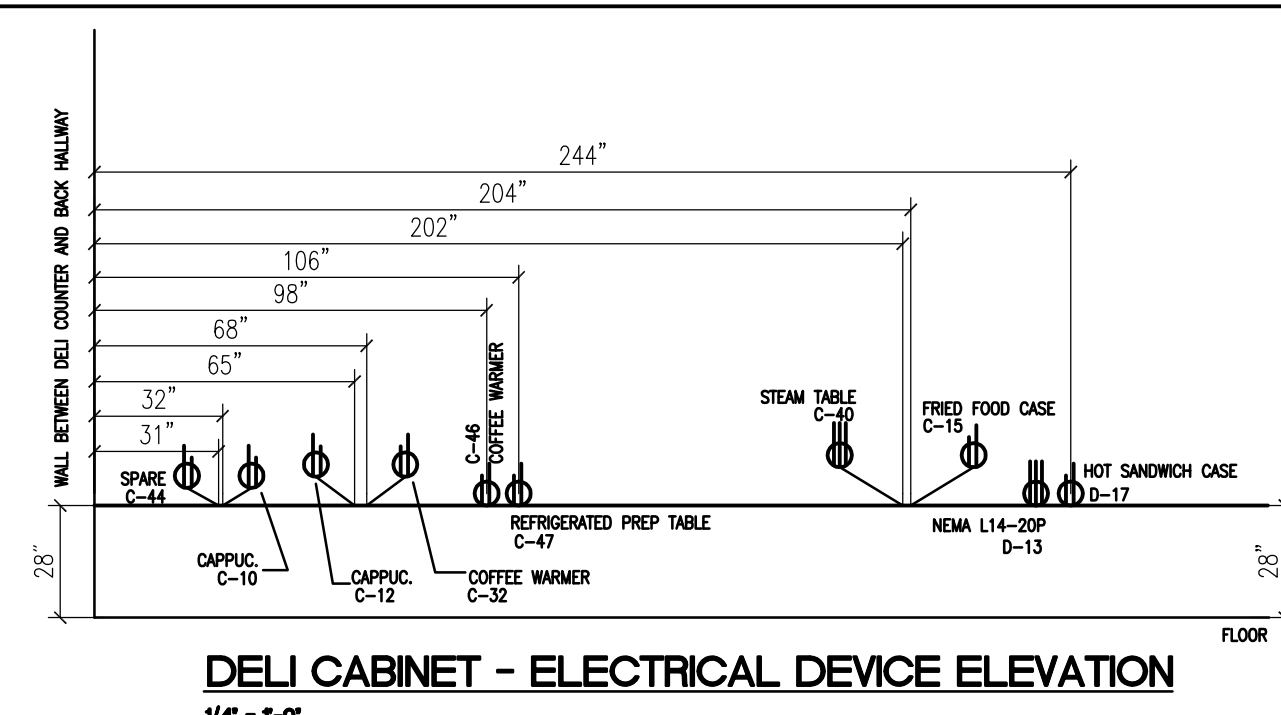
**AUTOMATIC LIGHTING CONTROL SCHEMATIC**  
NO SCALE



**FLOOR WALL - ELECTRICAL DEVICE ELEVATION**  
1/4" - 1'-0"



**DELI BACK WALL - ELECTRICAL DEVICE ELEVATION**  
1/4" - 1'-0"



**DELI CABINET - ELECTRICAL DEVICE ELEVATION**  
1/4" - 1'-0"

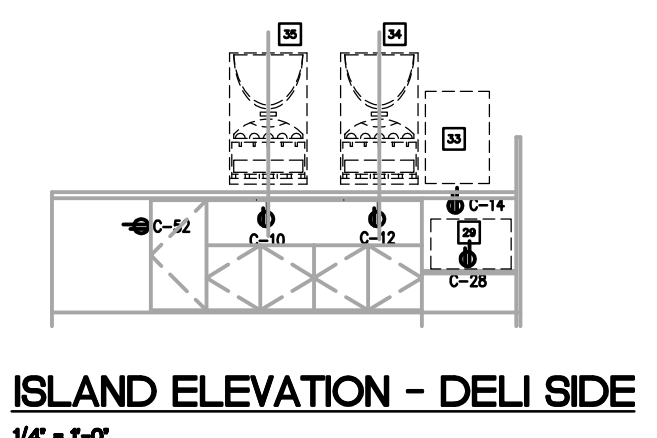
**TAGGED NOTES:**  
1. PROVIDE SQUARE "D" INTEGRATED POWER CENTER DISTRIBUTION SYSTEM AS SHOWN. MAIN DISTRIBUTION EQUIPMENT SHALL BE 800A/120/208V/3PH/4W AND SHALL BE MAIN SERVICE RATED. PROVIDE WITH I-LINE STYLE MAIN DISTRIBUTION WITH MAIN SERVICE RATED BREAKERS FEEDING LOADS AS INDICATED ON RISER AND FLOOR PLANS. PROVIDE WITH MODULAR PANELBOARDS AND CONTACTORS AS INDICATED ON RISER AND FLOORPLANS FOR BRANCH CIRCUIT DISTRIBUTION AND CONTROL. ALL OVERCURRENT DEVICES IN MAIN PANEL AND ASSOCIATED MODULAR EQUIPMENT SHALL HAVE A RATING AT A MINIMUM OF 35 KAIC SHORT CIRCUIT RATINGS. PROVIDE A SURGE SUPPRESSION DEVICE "SPD" AT THE MAIN DISTRIBUTION PANEL AS WELL AS EACH BRANCH PANEL.  
2. PANEL "M" AND ASSOCIATED FUEL CONTACTOR SHALL BE DEDICATED FOR FUEL DISTRIBUTION EQUIPMENT. COORDINATE EXACT BRANCH CIRCUIT OVERCURRENT REQUIREMENTS WITH FUEL SERVICE PLANS AND CONTRACTOR. PROVIDE A STUBOUTS AS REQUIRED FOR BRANCH CIRCUITS AND CONTROLS. PROVIDE SEALS AT RACEWAY OPENINGS AS REQUIRED FOR SERVING FUEL DISTRIBUTION EQUIPMENT.  
3. PROVIDE PANEL "D-1" AND ASSOCIATED CONTACTOR AS REQUIRED FOR EXTERIOR LIGHTING CONNECTIONS AND CONTROL. REFER TO FLOORPLANS AND SCHEDULES FOR FURTHER REQUIREMENTS. COORDINATE EXACT CONTROL REQUIREMENTS WITH KITCHEN HOOD SHEP DRAWINGS AND INSTALLER.

**POWER RISER FEEDER SCHEDULE:**  
A. PROVIDE 2 PARALLEL RUNS OF 4 #500 Kcmil IN 4" CONDUITS.  
B. PROVIDE (4) #8 + (1) #10 GROUND IN 3/4" CONDUIT.  
C. INTEGRATED PANEL FEEDERS SHALL BE FACTORY INSTALLED TYPE THHN POWER CABLES AND SHALL BE SIZED PER NEC CHAPTER 310. WHERE EQUIPMENT MUST BE DISASSEMBLED FOR SHIPPING THE CONTRACTOR SHALL TERMINATE FACTORY PROVIDED CABLES AS REQUIRED UPON REASSEMBLY. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER.

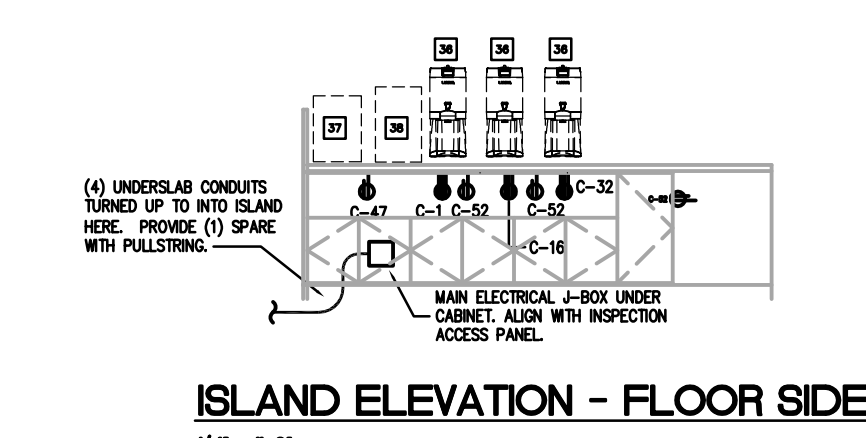
**GENERAL POWER RISER NOTES:**  
A. REFER TO DETAIL FOR TYPICAL PANEL LABELING REQUIREMENTS.  
B. ALL "I-LINE" PANELS SHALL BE AS SCHEDULED IN THIS RISER (EXCEPT WHERE INDICATED, THE CONTRACTOR SHALL REFER TO THE PANELBOARD SCHEDULES FOR COMPLETE BREAKER SCHEDULE).  
C. SERVICE EQUIPMENT SHALL BE MARKED WITH THE MAXIMUM AVAILABLE FAULT-CURRENT AT THE EQUIPMENT. APPLY A TYPE-WRITTEN ADHESIVE LABEL WITH WHITE BACKGROUND, 1/2" HIGH BLACK LETTERING.  
D. AS PART OF THIS CONTRACT, PROVIDE A COMPREHENSIVE ARC FLASH HAZARD ANALYSIS FOR POWER DISTRIBUTION DEVICES IN THIS PROJECT AS REQUIRED TO MEET REQUIREMENTS OF NFPA 70E. PROVIDE ALL LABELS, WARNING SIGNAGE, ETC. PER NFPA-70E AND OSHA REQUIREMENTS.

**MAIN PANEL "MDP" N.E.C. LOAD TABLE**

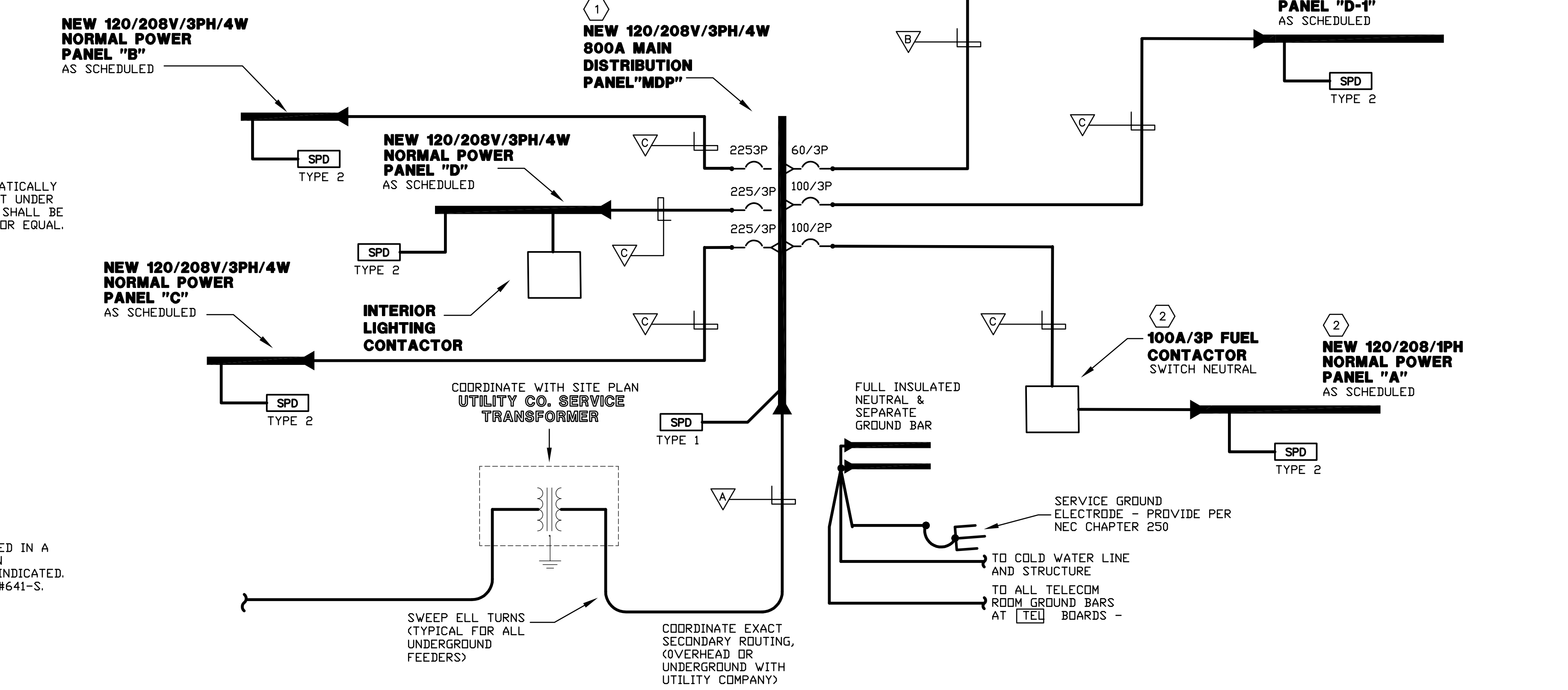
LOAD	KVA	3 PHASE AMPS
PANEL "A"	30.1 KVA	95A
PANEL "B"	71.8 KVA	199A
PANEL "C"	53.5 KVA	149A
PANEL "D"	20.4 KVA	57A
PANEL "D-1"	58.6 KVA	163A
HVAC PCU-1	17.6 KVA	49A
<b>TOTAL</b>	<b>221.0 KVA</b>	<b>712A</b>



**ISLAND ELEVATION - DELI SIDE**  
1/4" - 1'-0"

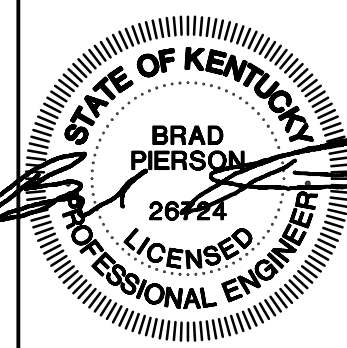


**ISLAND ELEVATION - FLOOR SIDE**  
1/4" - 1'-0"



**POWER DISTRIBUTION RISER DIAGRAM**  
NO SCALE

PROJECT NO:  
22-4336  
DRAWN BY:  
BMP  
DATE:  
06-29-2022



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FIVESTAR STORE  
5 JOLLY WAY  
CADIZ, KY 42211

ELECTRICAL RISER DIAGRAM

**E4.00**

