

# FIVESTAR STORE #5546

# NEWCOMB OIL CO., LLC

CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KENTUCKY 40342



### DESIGN TEAM

#### CMW, INC.

Architect  
249 E Main Street, Suite 100, Lexington, KY 40507  
O 859.254.6623

#### POAGE ENGINEERING & ASSOCIATES, INC

Structural Engineer  
880 Sparta Court, Suite 200, Lexington, KY 40504  
O 859.255.9034

#### CMTA ENGINEERING CONSULTANTS

MEP Engineers  
10411 Meeting Street, Prospect, KY 40059  
O 502.326.3085

#### NEWCOMB OIL COMPANY, LLC.

Owner  
951 Withrow Ct., Bardstow, KY 40004  
O 502.348.3961

#### BCD, INC.

General Contractor  
1962 Filatreau Lane, Bardstow, KY 40004  
O 502.348.2305

### VICINITY MAP



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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

**Architecture**  
**Civil Engineering Landscape Architecture**

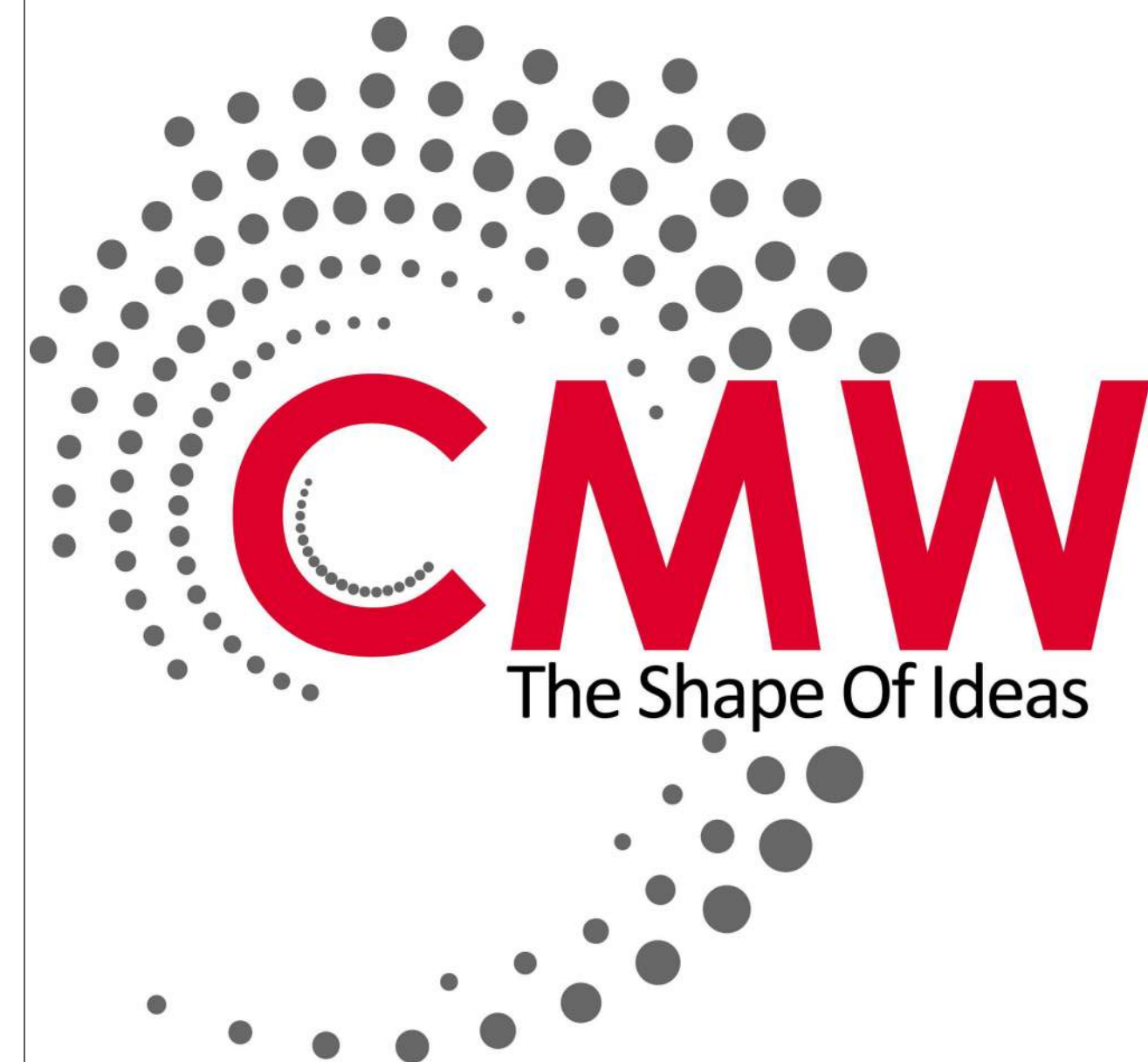
a: 249 East Main Street, Suite 100  
Lexington, Kentucky 40507  
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#### FAILURE TO ABIDE BY DESIGN DOCUMENTS OR TO OBTAIN GUIDANCE:

THE DESIGN PROFESSIONAL WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONAL'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

#### OWNERSHIP OF INSTRUMENTS OF SERVICE:

ALL REPORTS, DRAWINGS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY CMW, INC. AS INSTRUMENTS OF SERVICE, SHALL REMAIN THE PROPERTY OF CMW, INC. CMW, INC. SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.



COVERSHEET

FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

CONSTRUCTION DOCUMENTS

Issue Date:  
December 2024

AHJ SEAL

Project Number  
**24051.01**



# STRUCTURAL QUALITY ASSURANCE PLAN

## GENERAL

THE NEW STRUCTURE TO BE CONSTRUCTED IS ASSIGNED BY THE KENTUCKY BUILDING CODE, 2018 EDITION, TO SEISMIC USE GROUP AND SEISMIC DESIGN AS SPECIFIED. AS SUCH, THE BUILDING CODE MANDATES SPECIAL INSPECTION (SECTION 1704), SPECIAL INSPECTIONS FOR WIND RESISTANCE (SECTION 1705.11), SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE (SECTION 1705.12), STRUCTURAL OBSERVATION FOR SEISMIC RESISTANCE (SECTION 1704.6.1) AND STRUCTURAL OBSERVATIONS FOR WIND REQUIREMENTS (SECTION 1704.6.2). STRUCTURAL QUALITY ASSURANCE PLAN SPECIFICALLY IDENTIFIES THE RESPONSIBILITIES OF THE CONTRACTOR AND THE SPECIAL INSPECTOR IN PERFORMING THE REQUIRED TESTING AND INSPECTION OF THE STRUCTURAL WORK.

## CONTRACTOR RESPONSIBILITIES

In accordance with Section 1704.4 of the Building Code, the Contractor shall submit to the Architect a written statement of responsibility that contains the following:

- Acknowledgement of awareness of the special requirements contained within this Structural Quality Assurance Plan.
- Acknowledgement that control shall be exercised to obtain conformance with the construction documents approved by the Building Official.
- Procedures for exercising control with the Contractor's organization, the method and frequency of reporting, and the distribution of reports.
- Identification and qualifications of the person(s) exercising such control and their position(s) in the organization.

The Structural Testing / Inspection Agency that is to act as the Special Inspector will be hired by the Owner.

Contractor shall pay for any additional structural testing/inspection required for work or materials not complying with the Construction Documents due to negligence or nonconformance and shall pay for any additional structural testing/inspection required for his convenience.

The Contractor is responsible to ensure that the Special Inspector is present for all work requiring special inspection. Any work that requires special inspection and is performed without the Special Inspector being present is subject to being demolished and reconstructed.

The Contractor has the following responsibilities to the Special Inspector:

- Provide copy of Construction Documents to the Special Inspector.
- Notify the Special Inspector sufficiently in advance of operations to allow assignment of personnel and scheduling of tests.
- Cooperate with Special Inspector and provide access to work.
- Provide samples of materials to be tested in required quantities.
- Provide storage space for the Special Inspector's exclusive use, such as for storing and curing concrete testing samples.
- Provide labor to assist the Special Inspector in performing tests/inspections.

## SOILS & ROCK BEARING

The Special Inspector shall perform the following:

- Verify structural fill complies with specifications and the geotechnical report.
- Observe proofrolling.
- Perform field density tests to verify compaction of structural fill. As a minimum, perform one test per lift for every 2500 square feet of fill placed.
- Inspect footing trenches & ensure proper bearing on earth & conc. fill to earth per geotechnical report and specifications.

## NON-SHRINK GROUT UNDER STEEL BASE PLATES

The Special Inspector shall perform the following:

- Compressive strength tests per ASTM C109.
- Number of Tests: One test for each ten bags of grout used or minimum of one test for each day of grouting.
- Cube Size: 2-inch x 2-inch.
- Test Schedule: One cube at 3 days, two cubes at 7 days, three cubes at 28 days.

## STEEL JOIST

The Contractor shall perform the following:

- Joists shall be manufactured and designed in accordance with the Steel Joist Institute specifications. Submit letter of compliance.
- Submit shop drawings from a SJI certified firm. The Special Inspector shall perform periodic inspections of the following:
  - Visual inspection of bolted and welded connections.
  - Verify installation of bridging or braces.
  - Verify connection for top and bottom chords.
  - Verify reinforcement of members for concentrated loads.
  - Verify proper bearing.

## CAST-IN-PLACE CONCRETE

The Contractor shall perform the following:

- Establish concrete mix design proportions per ACI 318, Chapter 5. Submit 5 copies (minimum) of the concrete mix designs. Include the following:
  - Type and quantities of materials
  - Slump
  - Air content
  - Fresh unit weight
  - Aggregates sieve analysis
  - Design compressive strength
  - Location of placement in structure
  - Method of placement
  - Method of curing
  - Seven-day and 28-day compressive strengths

- Submit a certification from each manufacturer or supplier stating that materials meet the requirements of the specified ASTM and ACI standards.

- Submit certification that the ready-mixed concrete plant complies with the requirements of the National Ready Mix Concrete Association.

The Special Inspector shall perform the following:

- Verify quantity, location, and placement of reinforcing steel prior to concrete placement.
- Examine concrete in truck to verify that concrete appears properly mixed.
- Perform a slump test as deemed necessary for each concrete load. Record if water or admixtures are added to the concrete at the job site. Perform additional slump tests after job site adjustments.
- Mold four specimens per set for compressive strength testing; one set for each 50 cubic yards (or portion thereof) of each mix design in any one day. For each set set molded, record:
  - Slump
  - Air content
  - Unit weight
  - Temperature, ambient and concrete
  - Location of placement
  - Any pertinent information, such as addition of water, addition of admixtures, etc.
- Perform one 7-day and two 28-day compressive strength tests. (Use one as a spare to be broken as directed by the Structural Engineer if compressive strengths do not appear adequate.)
- Reports of compressive strength tests shall contain the project identification name and number, date of concrete placement, concrete design compressive strength, location of concrete placement in structure, concrete mix proportions and materials, compressive breaking strength and type of break.

## CONCRETE MASONRY

Contractor shall perform the following:

- Submit a certification from each manufacturer or supplier stating that the following materials comply with the specified ASTM or ACI Standards:
  - Concrete masonry units.
  - Mortar materials: Portland cement, hydrated lime, and aggregates.
  - Grout materials: Portland cement and aggregates.
  - Joint reinforcement steel.
  - Reinforcing steel.
- For reinforcing steel used in concrete masonry walls, submit certified mill test reports.

Special Inspector shall perform the following:

- Verify compressive strength of concrete masonry units, mortar, and coarse grout for every 5,000 sq. ft. of surface area (or portion thereof) as follows:
  - Three (3) concrete masonry units shall be tested in accordance with ASTM C140.
  - Six (6) mortar cube specimens shall be tested, three (3) at 7-days and three (3) at 28-days, in accordance with ASTM C109.
  - Four (4) coarse grout specimens shall be tested, two (2) at 7-days and two (2) at 28-days, in accordance with ASTM C-109.
  - In lieu of individual tests of masonry units, mortar, and grout, perform one (1) prism test (which consists of three prisms) in accordance with ASTM E447.
- Provide continuous inspection to verify compliance of the following:
  - Cleanliness of grout space prior to grouting.
  - Placement of grout in reinforced cells.
  - Preparation of required grout and mortar specimens.
  - Welding of reinforcing bars.
- Provide periodic inspection to verify compliance of the following:
  - Proportions of site-prepared mortar or grout.
  - Construction of mortar joints.
  - Quantity, size, location, and support of reinforcing steel.
  - Quantity, size, and placement of horizontal joint reinforcement.
  - Type, size and location of anchors.
  - Protection of masonry during cold or hot weather.

## STEEL DECK

The Contractor shall perform the following:

- Submit mill certification that the supplied steel complies with the specifications. The Special Inspector shall perform periodic inspections of the following:
  - Verify general alignment and deck lap.
  - Verify screws/welds for size and pattern.
  - Verify spacing and type of side lap attachments.
  - Verify installation of deck closures.

## STRUCTURAL STEEL

The Contractor shall perform the following:

- The steel fabricator shall be AISC or AWS Certified, refer to Spec. 05120.
  - Submit certified mill test reports for structural steel.
  - Submit manufacturer's certificate of compliance for high-strength bolting and weld filler materials.
- \*\* If the fabricator is not certified, then the fabricator shall reimburse the owner for the costs of these tests.

The Special Inspector shall perform the following:

- Provide continuous inspection to verify compliance of the following:
  - Inspection of slip-critical connections, except periodic inspection may be performed when using torque control bolts (twist off)
  - Complete and partial penetration groove welds. Ultrasonically inspect 100% of the complete penetration welds.
  - Multi-pass fillet welds and single-pass fillet welds greater than 5/16".
- Provide periodic inspection to verify compliance of the following:
  - Material verification of high-strength bolts, nuts, and washers.
  - Material verification of structural steel.
  - Material verification of weld filler material.
  - Anchor bolt size, configuration, and embedment shall be verified prior to placement of concrete.
  - Visually inspect all field-welded connection. Visual inspection of welded joints includes periodic examination of fitup.
  - Verify stud shear connector spacing and location. Visually inspect welding of stud shear connectors.
- Weld Inspections:
  - Weld inspections shall be in accordance with AWS D1.1.
  - Review and verify compliance of written welding procedures with AWS requirements.
  - Verify that welding procedures are being adhered to during field welding.
  - Verify welder qualifications.
  - Use all means necessary to determine the quality of welds. The inspector may use gamma ray, magnaflux, trepanning, sonics or any other aid to visual inspection that the Special Inspector may deem necessary to be assured of the adequacy of the welding.
  - Keep a systematic record of all welds that include, in addition to other required records, the identification marks of welders, a list of defective welds, and the manner of correcting defects.

3. Weld Inspections:

- Weld inspections shall be in accordance with AWS D1.1.
- Review and verify compliance of written welding procedures with AWS requirements.
- Verify that welding procedures are being adhered to during field welding.
- Verify welder qualifications.
- Use all means necessary to determine the quality of welds. The inspector may use gamma ray, magnaflux, trepanning, sonics or any other aid to visual inspection that the Special Inspector may deem necessary to be assured of the adequacy of the welding.
- Keep a systematic record of all welds that include, in addition to other required records, the identification marks of welders, a list of defective welds, and the manner of correcting defects.

- Bolting inspection and testing shall be in accordance with AISC Specifications for Structural Joints Using ASTM A325 or A490 Bolts.

## SPECIAL INSPECTOR RESPONSIBILITIES

The Special Inspector shall maintain records of inspections in accordance with Section 1704.1.2 and shall distribute these records to the Architect and Structural Engineer on a weekly basis. At the conclusion of the project, the Special Inspector shall submit a final report including a written statement that the special inspections during construction have complied with this Structural Quality Assurance Plan and that any discrepancies noted during construction have been corrected.

## WOOD CONSTRUCTION

Special inspector shall perform the following:

- Check all wood framing layout and confirm compliance with plans, specs, and shop drawings.
- Visually inspect truss layout and anchorage and confirm compliance with plans, specs, and shop drawings.
- Visually inspect all roof and wall sheathing attachments and confirm compliance with plans, specs, and shop drawings.

# SPECIAL INSPECTIONS PER CHAPTER 17 OF THE KENTUCKY BUILDING CODE

SECTION	ITEM	REQUIRED?		REMARKS
		YES	NO	
1704.2.5	FABRICATORS	X		STEEL FABRICATION SPECIAL INSPECTION IS REQUIRED IF THE FABRICATOR IS NOT A.I.S.C. OR AWS CERTIFIED.
1704.6.1	STRUCTURAL OBSERVATION FOR SEISMIC REQUIREMENTS		X	SEISMIC DESIGN CATEGORY "C"
1704.6.2	STRUCTURAL OBSERVATION FOR WIND REQUIREMENTS		X	Vasd = 93mph.
1705.2	STEEL	X		PER AISC 360 & TABLE 1705.2.2
1705.3	CONCRETE	X		PER TABLE 1705.3
1705.4	MASONRY	X		LEVEL B TMS 402/ACI 530/ASCE 5
1705.5	WOOD	X		PER SECTION 1705.5
1705.6	SOILS	X		PER TABLE 1705.6
1705.7	DRIVEN DEEP FOUNDATIONS		X	NONE
1705.8	CAST IN PLACE DEEP FOUNDATIONS		X	NONE
1705.9	HELICAL PILE FOUNDATIONS		X	NONE
1705.11.1	WIND - STRUCTURAL WOOD		X	Vasd = 93mph.
1705.11.2	WIND - COLD FORMED STEEL FRAMING		X	NONE
1705.11.3	WIND - WIND RESISTING COMPONENTS		X	NONE
1705.12.1	SEISMIC - STRUCTURAL STEEL	X		SEISMIC DESIGN CATEGORY "C"
1705.12.2	SEISMIC - STRUCTURAL WOOD		X	PER SECTION 1705.12.2
1705.12.3	SEISMIC - COLD FORMED STEEL FRAMING		X	NONE
1705.12.4	DESIGNATED SEISMIC SYSTEMS	X		PER SECTION 1705.12.4
1705.12.5	SEISMIC - ARCHITECTURAL COMPONENTS - INTERIOR/EXTERIOR NON-LOAD BEARING WALLS AND VENEER IN STRUCTURES		X	SEISMIC DESIGN CATEGORY "C"
1705.12.6	SEISMIC - MECHANICAL AND ELECTRICAL COMPONENTS	X		SEISMIC DESIGN CATEGORY "C"
1705.12.7	SEISMIC - STORAGE RACKS AND ACCESS FLOORS		X	NONE
1705.14	SPRAYED FIREPROOFING		X	1705.14
1705.15	FIREPROOFING		X	1705.15
1705.16	E.I.F.S.		X	PER SECTION 1705.16
1705.17	FIRE RESISTANT PENETRATIONS & JOINTS		X	NONE
1705.18	SMOKE CONTROL		X	NONE

## EARTHQUAKE DESIGN DATA

RISK CATEGORY	II
IMPORTANCE FACTOR	1.0
S <sub>s</sub>	0.179
S <sub>1</sub>	0.094
SITE CLASS	D
S <sub>DS</sub>	0.191
S <sub>1D</sub>	0.151
SEISMIC DESIGN CATEGORY	C
BASIC SEISMIC-FORCE RESISTING SYSTEM	ORDINARY REINFORCED CONCRETE SHEAR WALLS
DESIGN BASE SHEAR	0.048kxw
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.048
RESPONSE MODIFICATION FACTOR	4
ANALYSIS PROCEDURE	ELFP

## SNOW DESIGN DATA

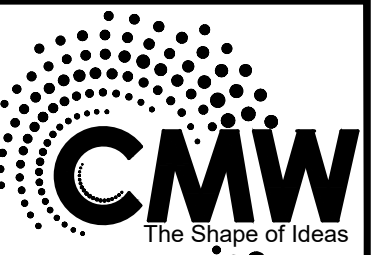
GROUND SNOW LOAD (P <sub>g</sub> )	15 PSF
MINIMUM SLOPED ROOF SNOW LOAD (P <sub>m</sub> )	15 PSF
FLAT ROOF SNOW LOAD (P <sub>f</sub> )	15 PSF
IMPORTANCE FACTOR	1.0
THERMAL FACTOR (C <sub>t</sub> )	1.0
SNOW EXPOSURE FACTOR (C <sub>e</sub> )	0.9

## DESIGN LIVE LOADS

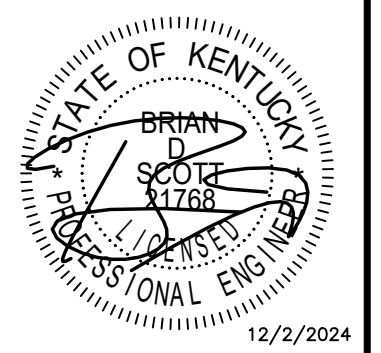
ROOF	20 PSF
1st FLOOR	100 PSF

## WIND DESIGN DATA

ULTIMATE DESIGN WIND SPEED (V <sub>ult</sub> )	115 MPH	
NOMINAL DESIGN WIND SPEED (V <sub>nom</sub> )	89 MPH	
RISK CATEGORY	II	
WIND EXPOSURE CATEGORY	B	
INTERNAL PRESSURE COEFFICIENT	+/- 0.18	
COMPONENTS AND CLADDING [H<30 FT]		
	EXPOSURE B (PSF)	EXPOSURE C (PSF)
ROOF 0 TO 7 DEGREES		
INTERIOR ZONE	9.7 -23.8	13.5 -33.3
END ZONE	9.7 -39.9	13.5 -55.8
CORNER ZONE	9.7 -60.1	13.5 -84.1
ROOF >7 TO 27 DEGREES		
INTERIOR ZONE	13.7 -21.8	19.1 -30.5
END ZONE	13.7 -37.9	19.1 -50.0
CORNER ZONE	13.7 -56.0	19.1 -78.4
INTERIOR ZONE	21.8 -23.8	30.5 -33.3
END ZONE	21.8 -27.8	30.5 -38.9
CORNER ZONE	21.8 -27.8	30.5 -38.9
WALLS		
INTERIOR ZONE	23.8 -25.8	33.3 -36.1
END ZONE	23.8 -31.9	33.3 -44.6



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STRUCTURAL NOTES  
Five Star - #5546 Lawrenceburg  
NEWCOMB OIL CO. LLC  
CARLTON CROSSING LOT 7  
LAWRENCEBURG, KY 40342

## CONSTRUCTION DOCUMENTS

Issue Date: December 2, 2024

Drawn By: HMM

Checked By: BDS

Revisions:

Mark Date

AHJ SEAL

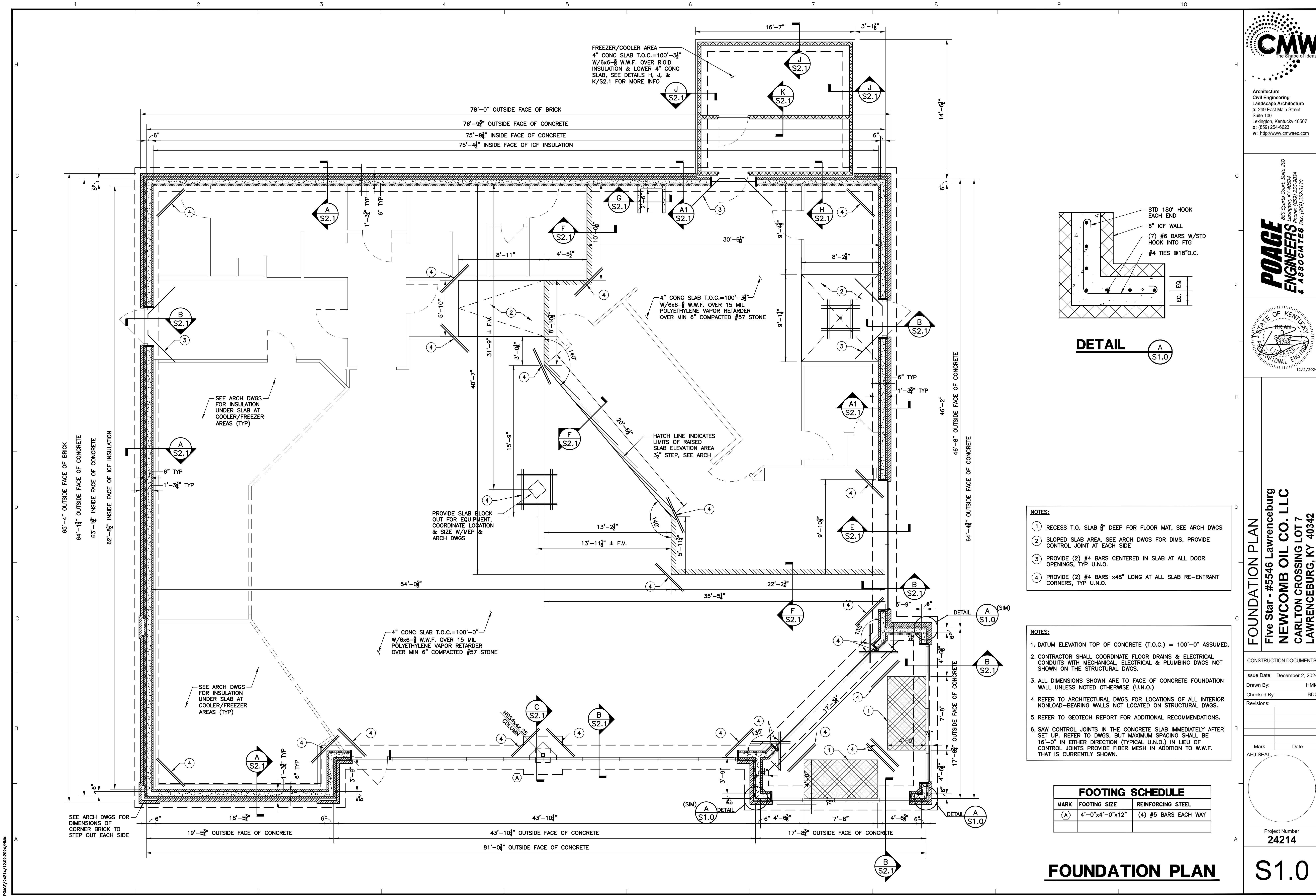
Project Number  
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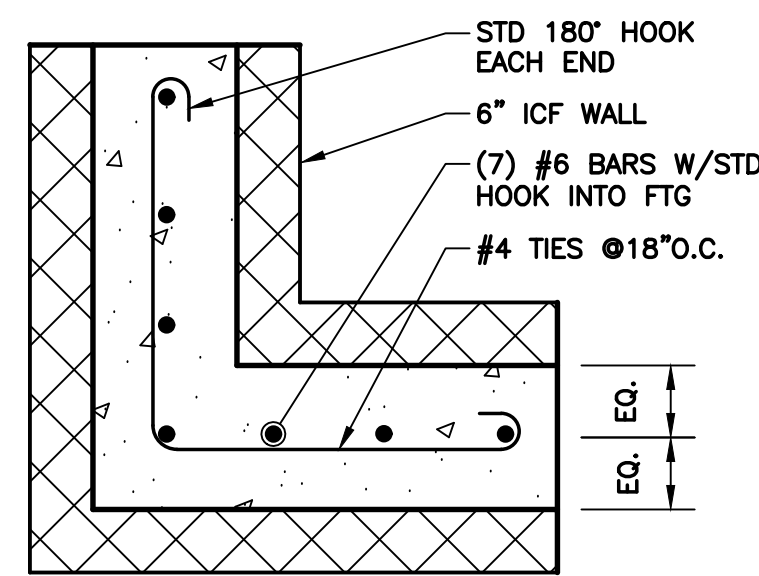








**FREEZER/COOLER AREA**  
 4" CONC SLAB T.O.C.=100'-3 1/2"  
 W/6x6 W.W.F. OVER RIGID INSULATION & LOWER 4" CONC SLAB, SEE DETAILS H, J, & K/S2.1 FOR MORE INFO



**DETAIL A**  
 S1.0

- NOTES:**
- RECESS T.O. SLAB 3/8" DEEP FOR FLOOR MAT, SEE ARCH DWGS
  - SLOPED SLAB AREA, SEE ARCH DWGS FOR DIMS, PROVIDE CONTROL JOINT AT EACH SIDE
  - PROVIDE (2) #4 BARS CENTERED IN SLAB AT ALL DOOR OPENINGS, TYP U.N.O.
  - PROVIDE (2) #4 BARS x48" LONG AT ALL SLAB RE-ENTRANT CORNERS, TYP U.N.O.

- NOTES:**
- DATUM ELEVATION TOP OF CONCRETE (T.O.C.) = 100'-0" ASSUMED.
  - CONTRACTOR SHALL COORDINATE FLOOR DRAINS & ELECTRICAL CONDUITS WITH MECHANICAL, ELECTRICAL & PLUMBING DWGS NOT SHOWN ON THE STRUCTURAL DWGS.
  - ALL DIMENSIONS SHOWN ARE TO FACE OF CONCRETE FOUNDATION WALL UNLESS NOTED OTHERWISE (U.N.O.)
  - REFER TO ARCHITECTURAL DWGS FOR LOCATIONS OF ALL INTERIOR NONLOAD-BEARING WALLS NOT LOCATED ON STRUCTURAL DWGS.
  - REFER TO GEOTECH REPORT FOR ADDITIONAL RECOMMENDATIONS.
  - SAW CONTROL JOINTS IN THE CONCRETE SLAB IMMEDIATELY AFTER SET UP. REFER TO DWGS, BUT MAXIMUM SPACING SHALL BE 16'-0" IN EITHER DIRECTION (TYPICAL U.N.O.) IN LIEU OF CONTROL JOINTS PROVIDE FIBER MESH IN ADDITION TO W.W.F. THAT IS CURRENTLY SHOWN.

FOOTING SCHEDULE		
MARK	FOOTING SIZE	REINFORCING STEEL
(A)	4'-0"x4'-0"x12"	(4) #5 BARS EACH WAY

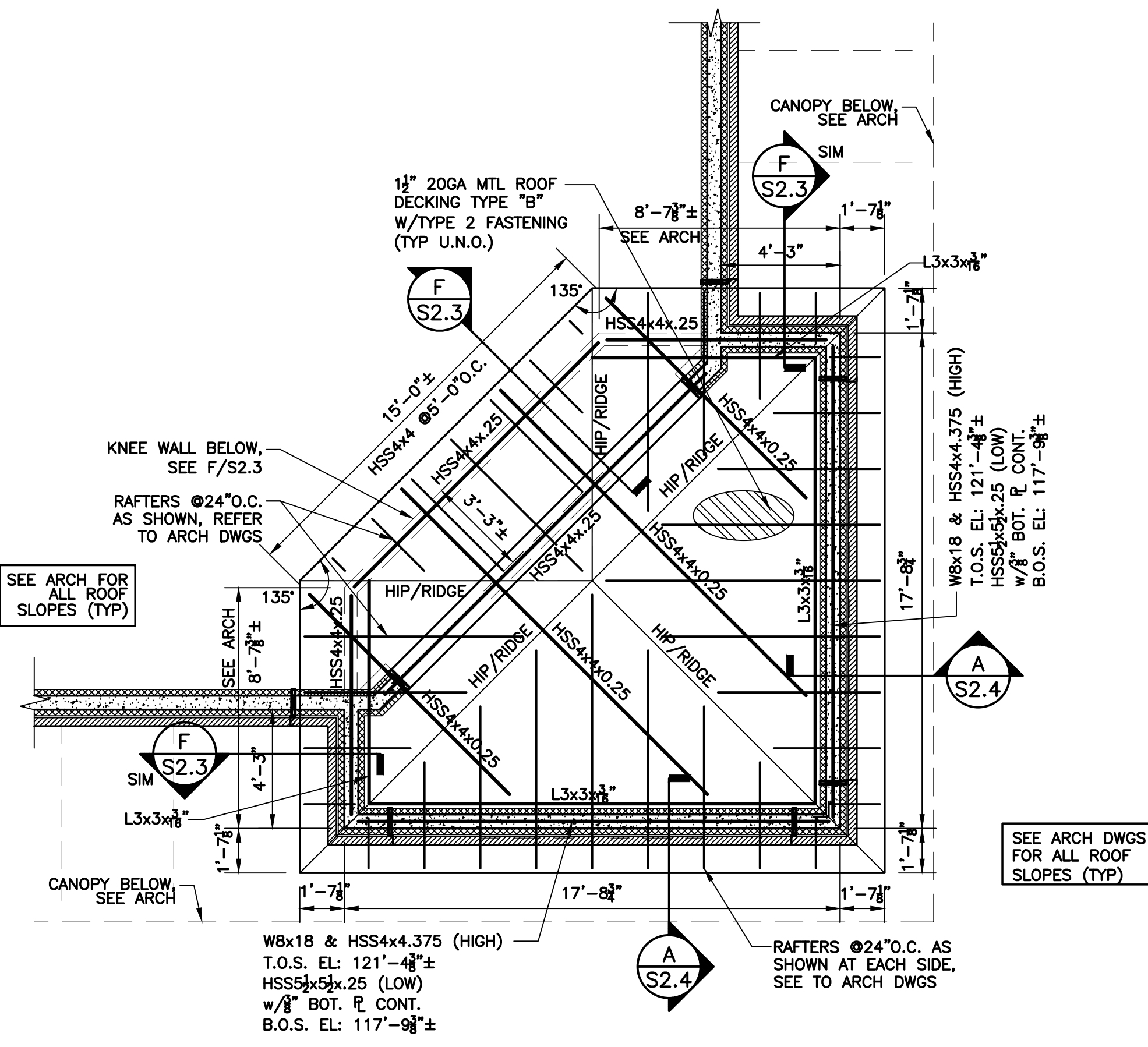
**FOUNDATION PLAN**

**S1.0**

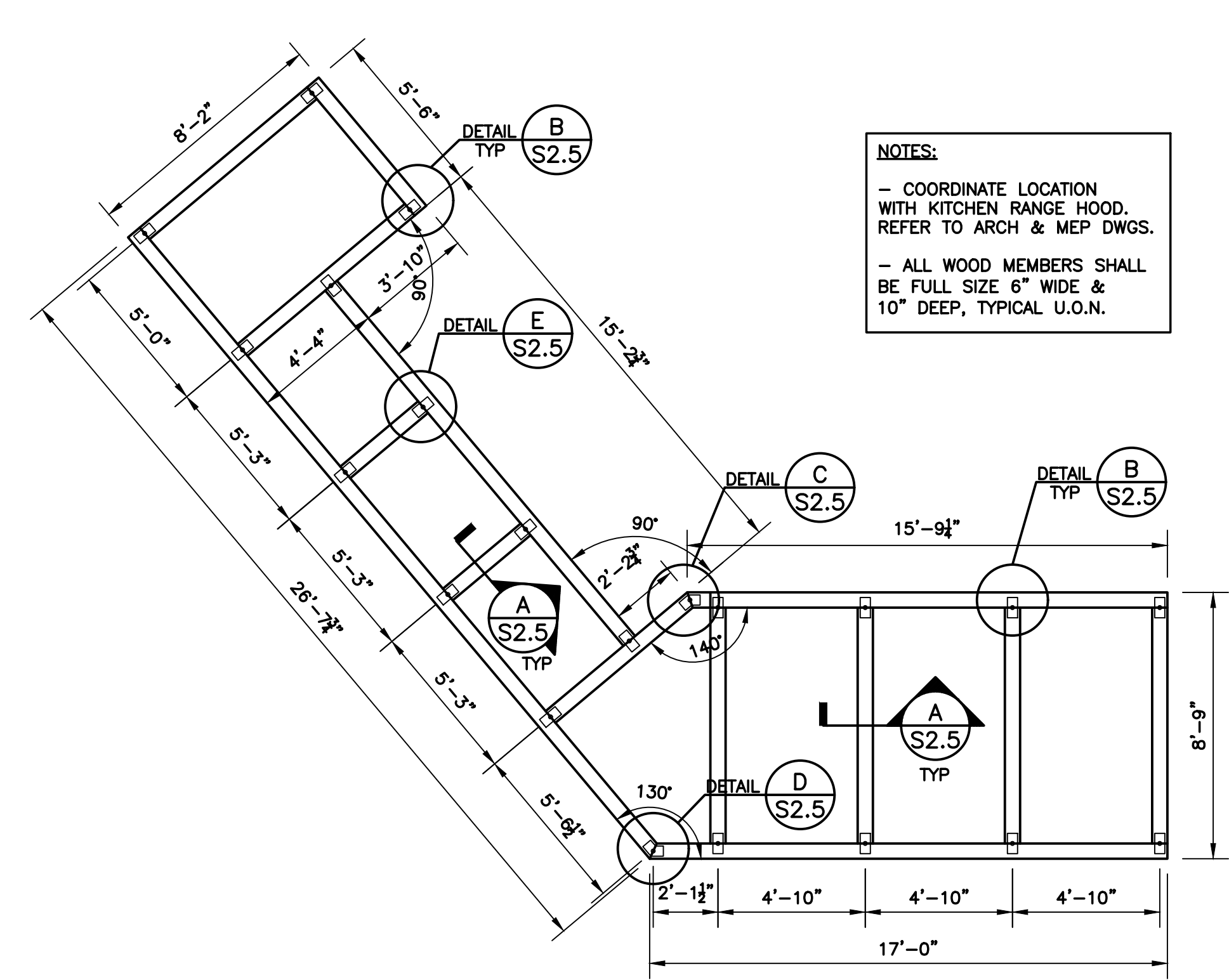




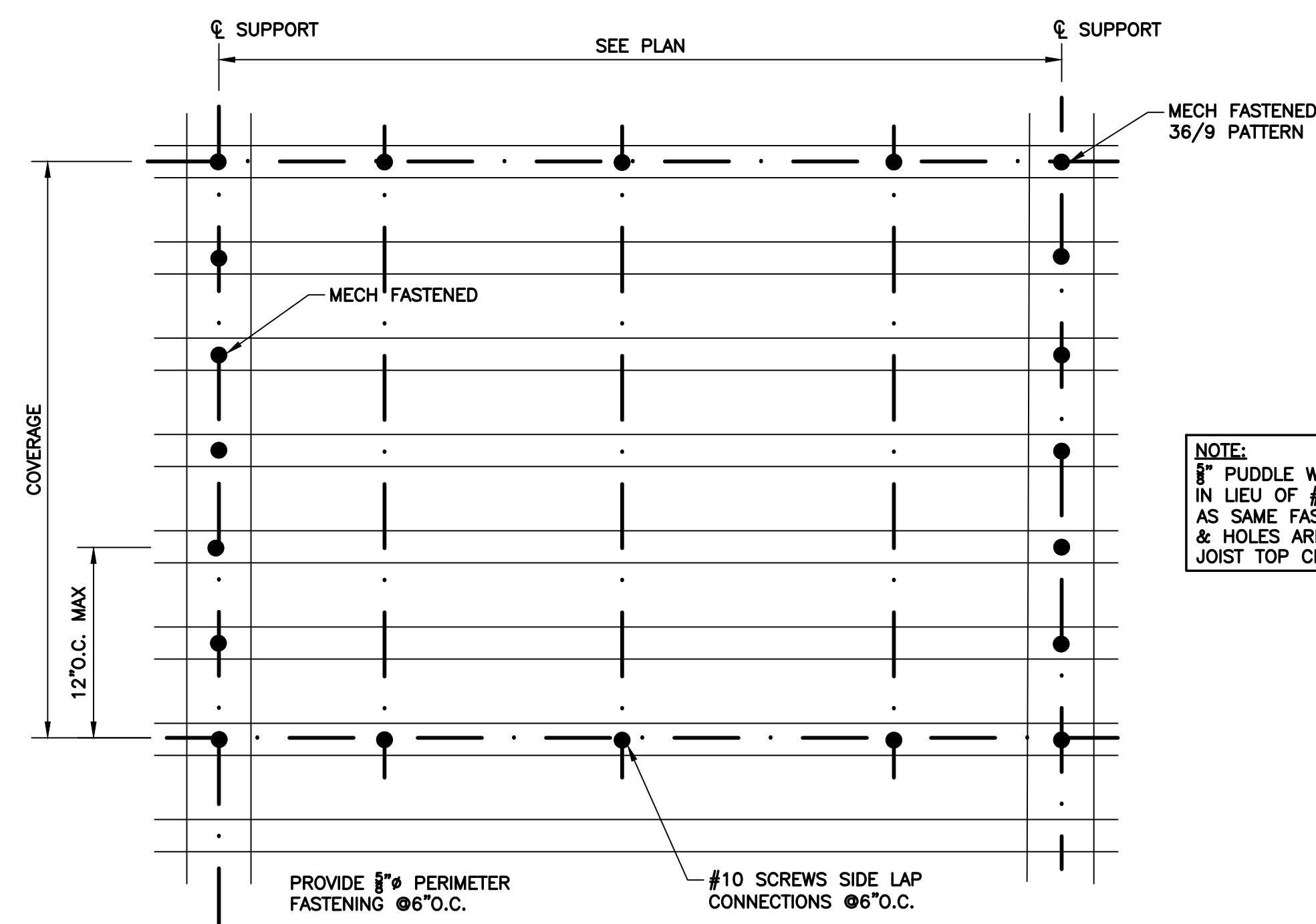




**HIGH ROOF FRAMING PLAN**

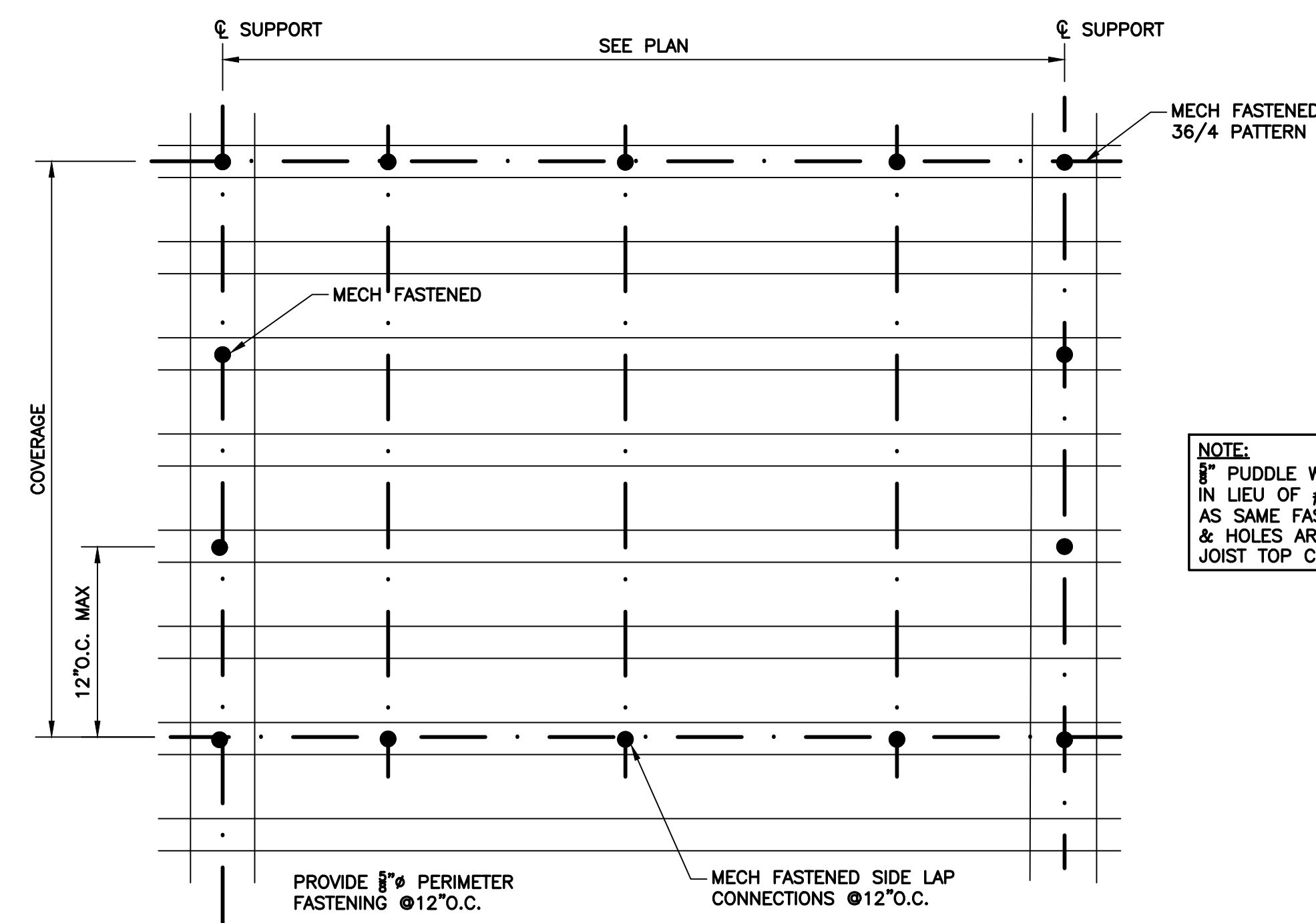


**LOW CEILING FRAMING PLAN**



**METAL ROOF DECK FASTENING PATTERN TYPE 1 (SHADED AREA)**

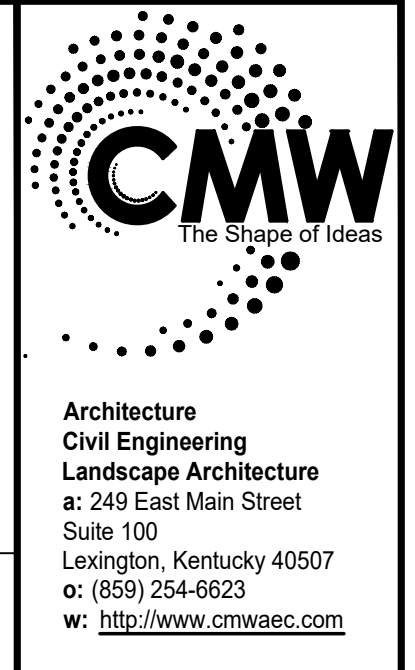
**NOTE:**  
 3/8" PUDDLE WELDS ARE ACCEPTABLE IN LIEU OF #12 TEK SCREWS AS LONG AS SAME FASTENING PATTERN IS USED & HOLES ARE NOT BURNED INTO THE JOIST TOP CHORD.



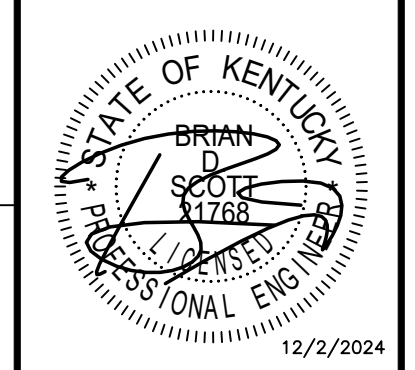
**METAL ROOF DECK FASTENING PATTERN TYPE 2**

**NOTE:**  
 3/8" PUDDLE WELDS ARE ACCEPTABLE IN LIEU OF #12 TEK SCREWS AS LONG AS SAME FASTENING PATTERN IS USED & HOLES ARE NOT BURNED INTO THE JOIST TOP CHORD.

**NOTES:**  
 - COORDINATE LOCATION WITH KITCHEN RANGE HOOD. REFER TO ARCH & MEP DWGS.  
 - ALL WOOD MEMBERS SHALL BE FULL SIZE 6" WIDE & 10" DEEP, TYPICAL U.O.N.



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 o: (859) 254-6623  
 w: <http://www.cmwcae.com>

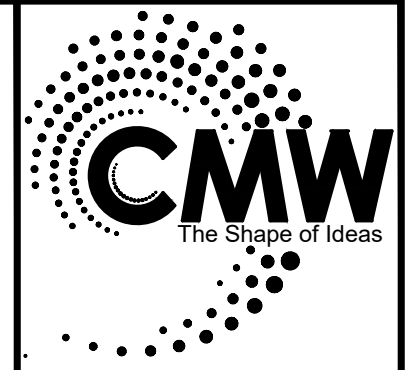


**HIGH ROOF & CEILING FRAMING PLANS**  
 Five Star - #5546 Lawrenceburg  
**NEWCOMB OIL CO. LLC**  
 CARLTON CROSSING LOT 7  
 LAWRENCEBURG, KY 40342

CONSTRUCTION DOCUMENTS

Issue Date:	December 2, 2024
Drawn By:	HMM
Checked By:	BDS
Revisions:	
Mark	Date
AHJ SEAL	
Project Number	24214

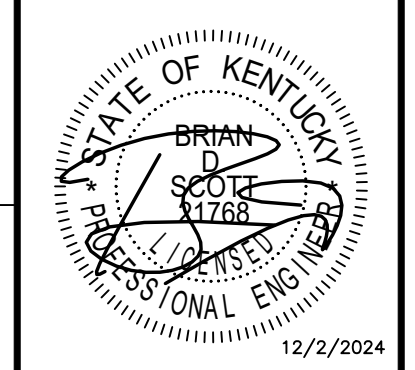
**S1.2**



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**POAGE ENGINEERS & ASSOCIATES**

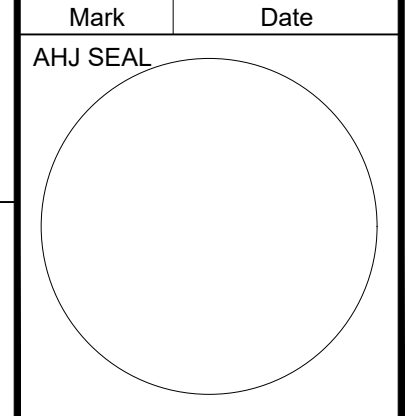


**SECTIONS & DETAILS**  
Five Star - #5546 Lawrenceburg  
**NEWCOMB OIL CO. LLC**  
CARLTON CROSSING LOT 7  
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CONSTRUCTION DOCUMENTS

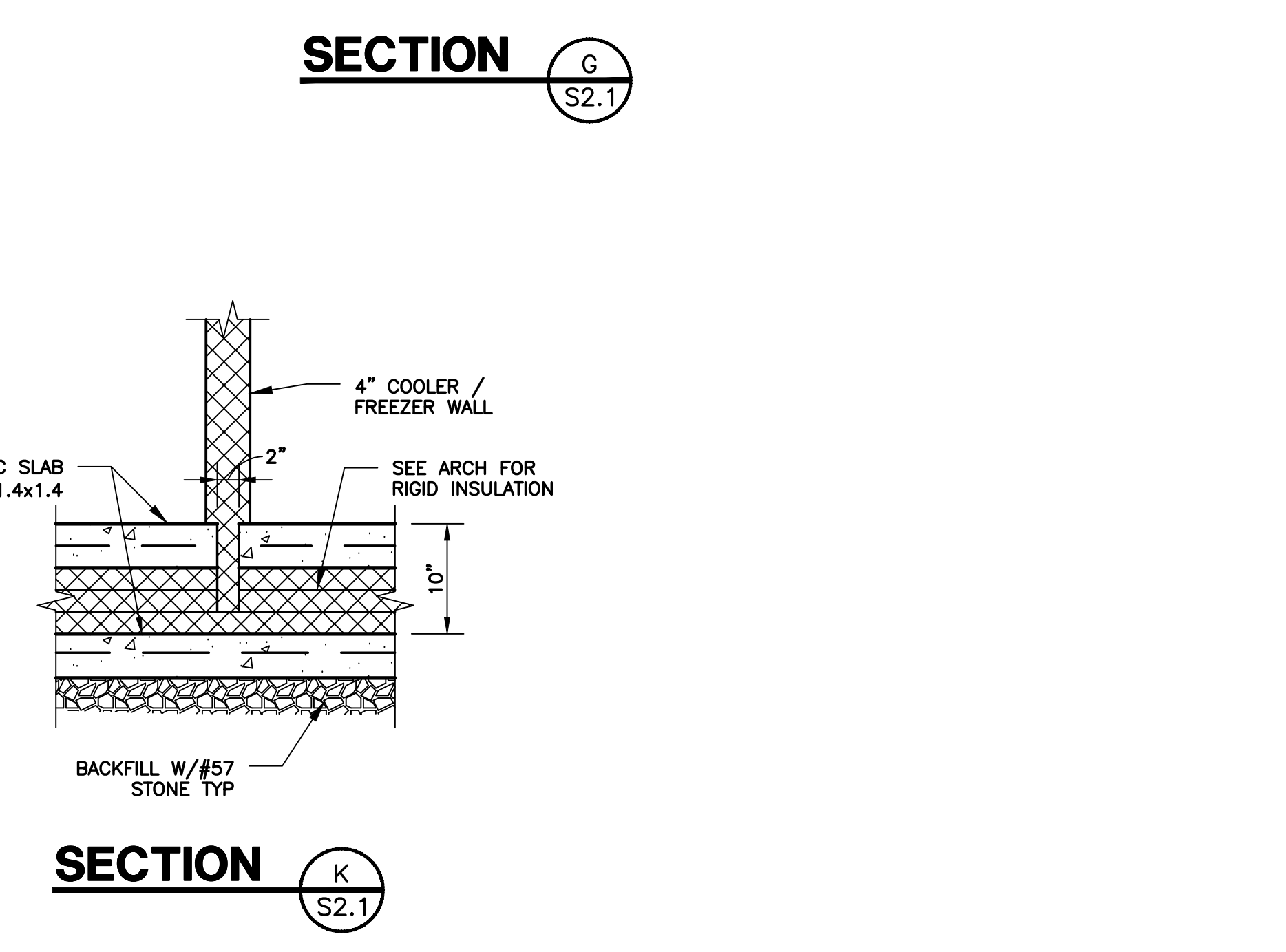
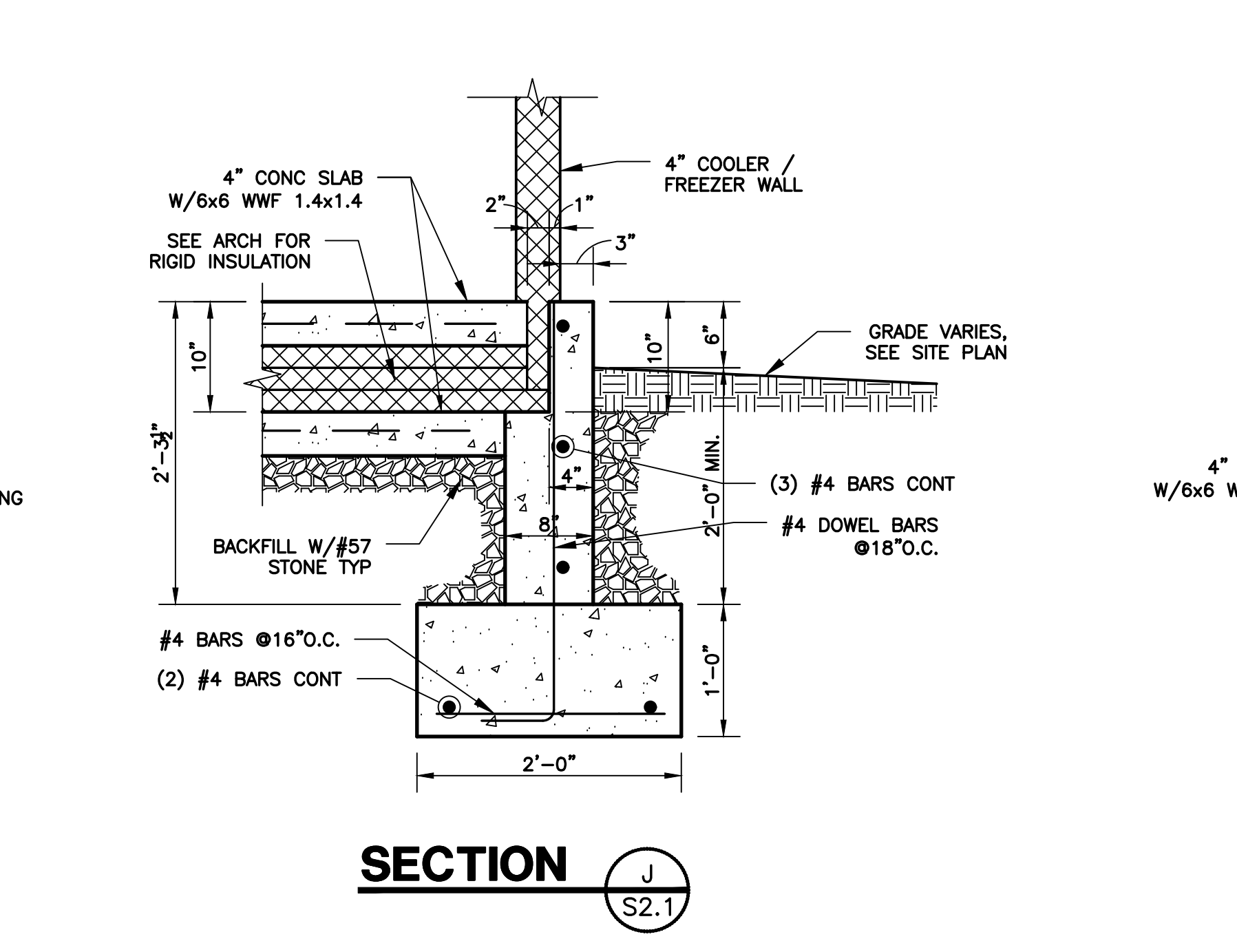
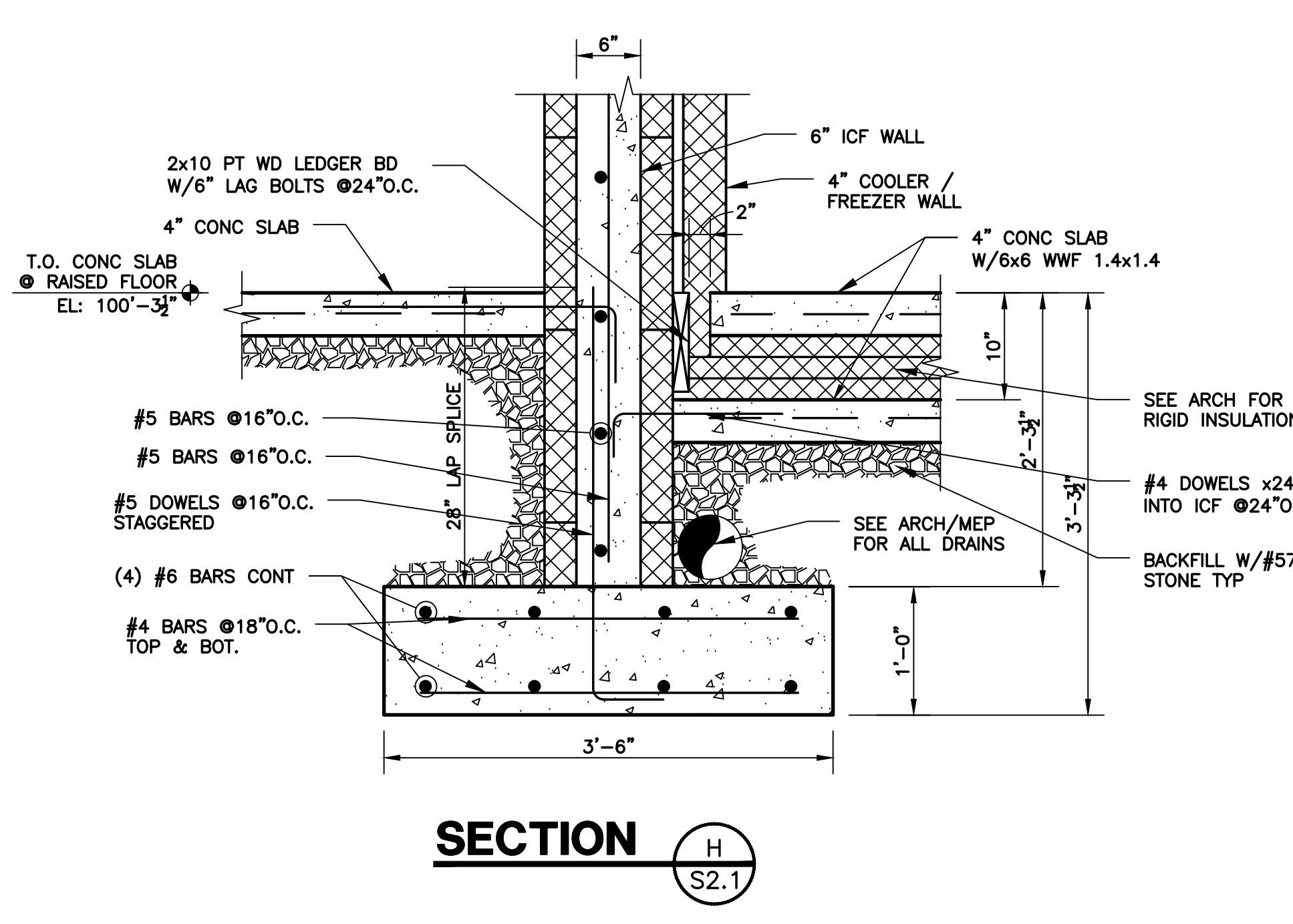
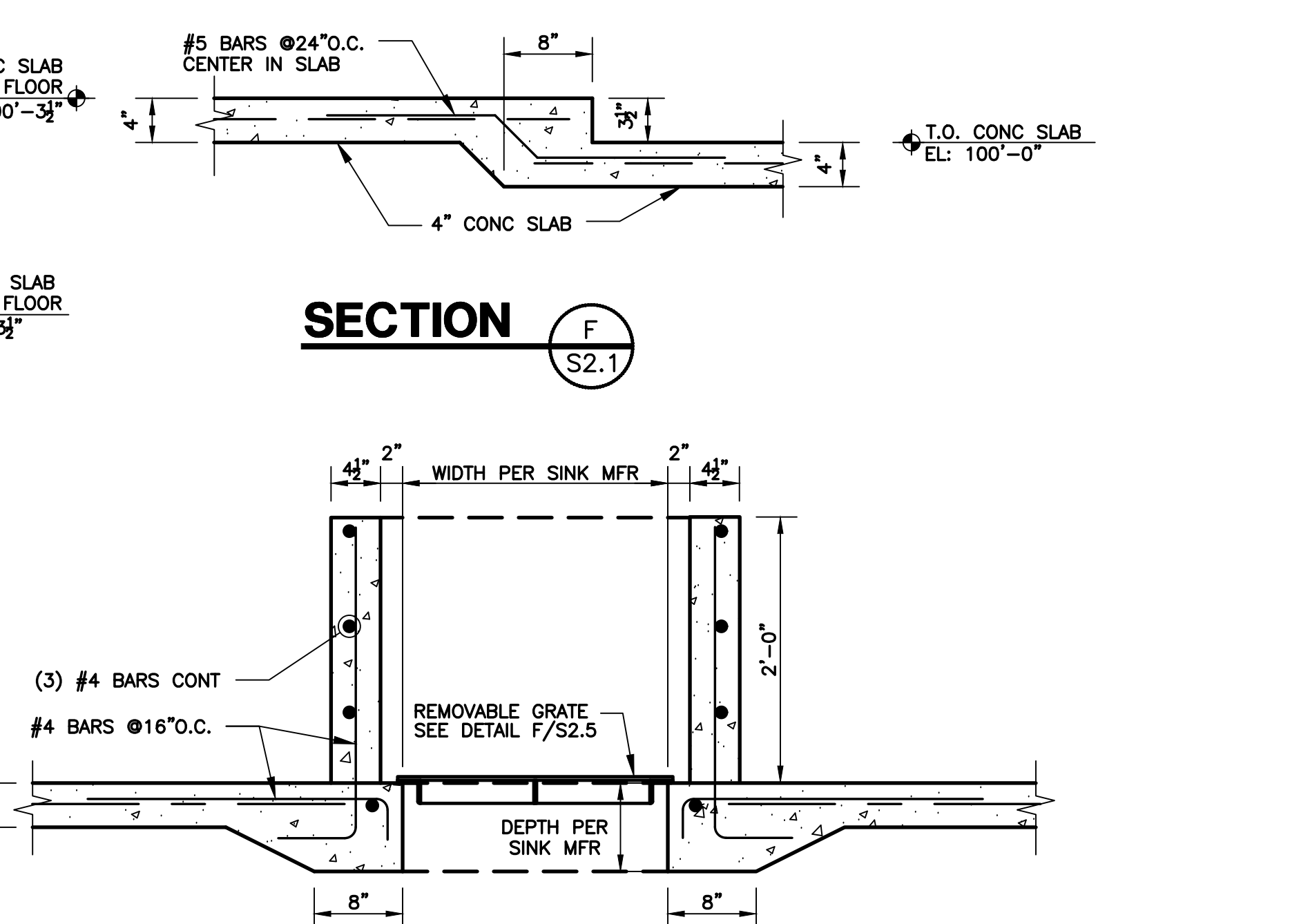
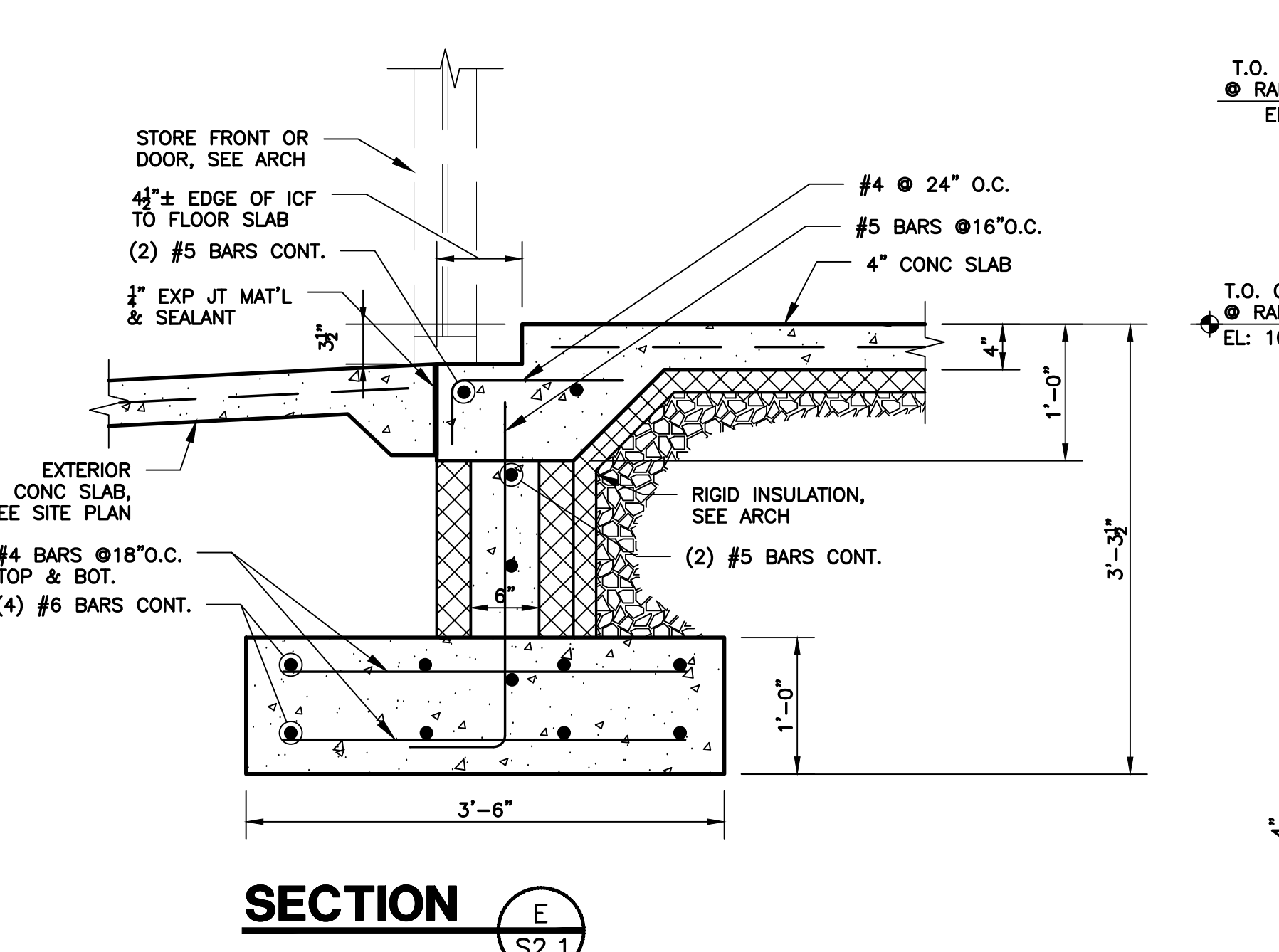
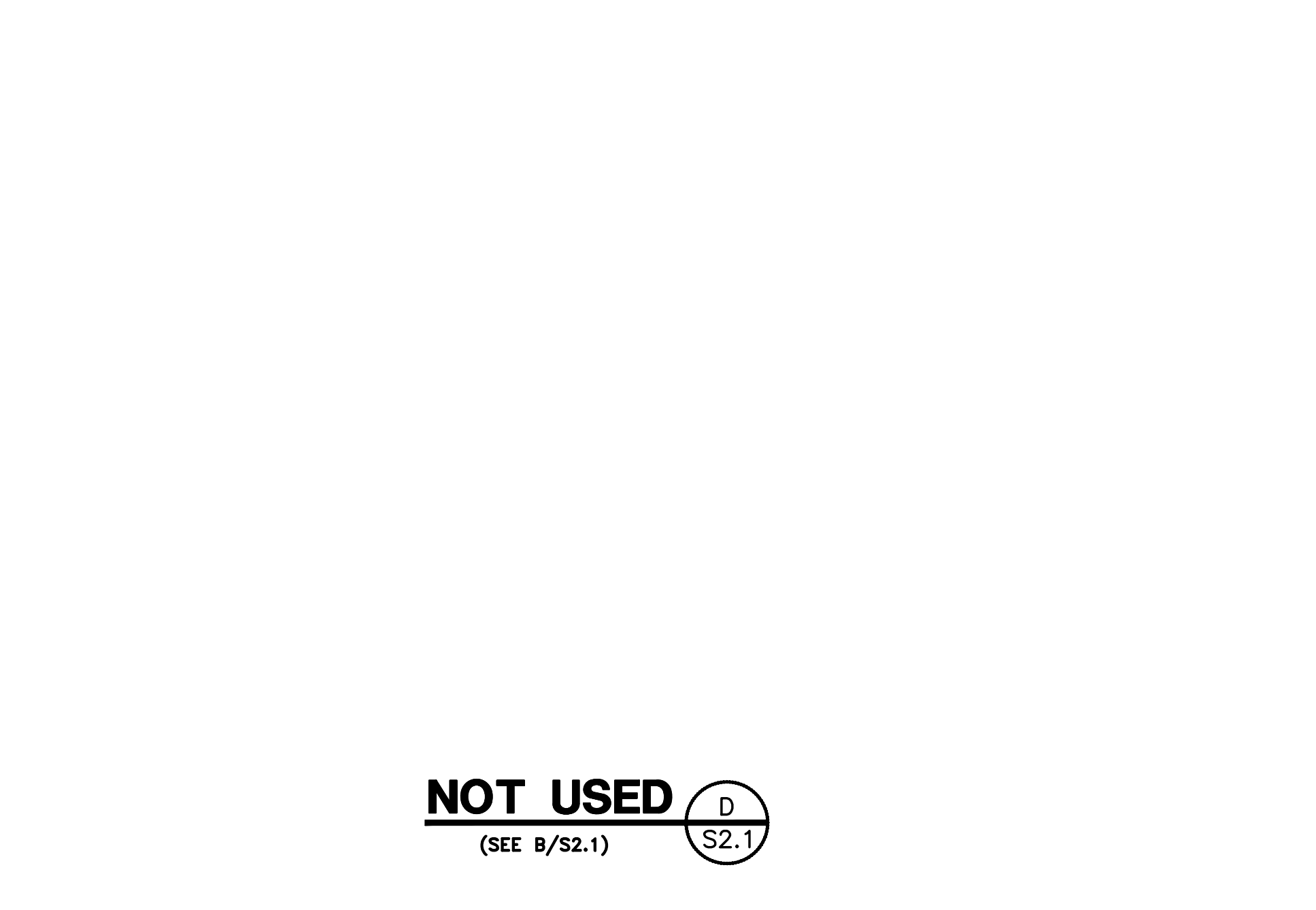
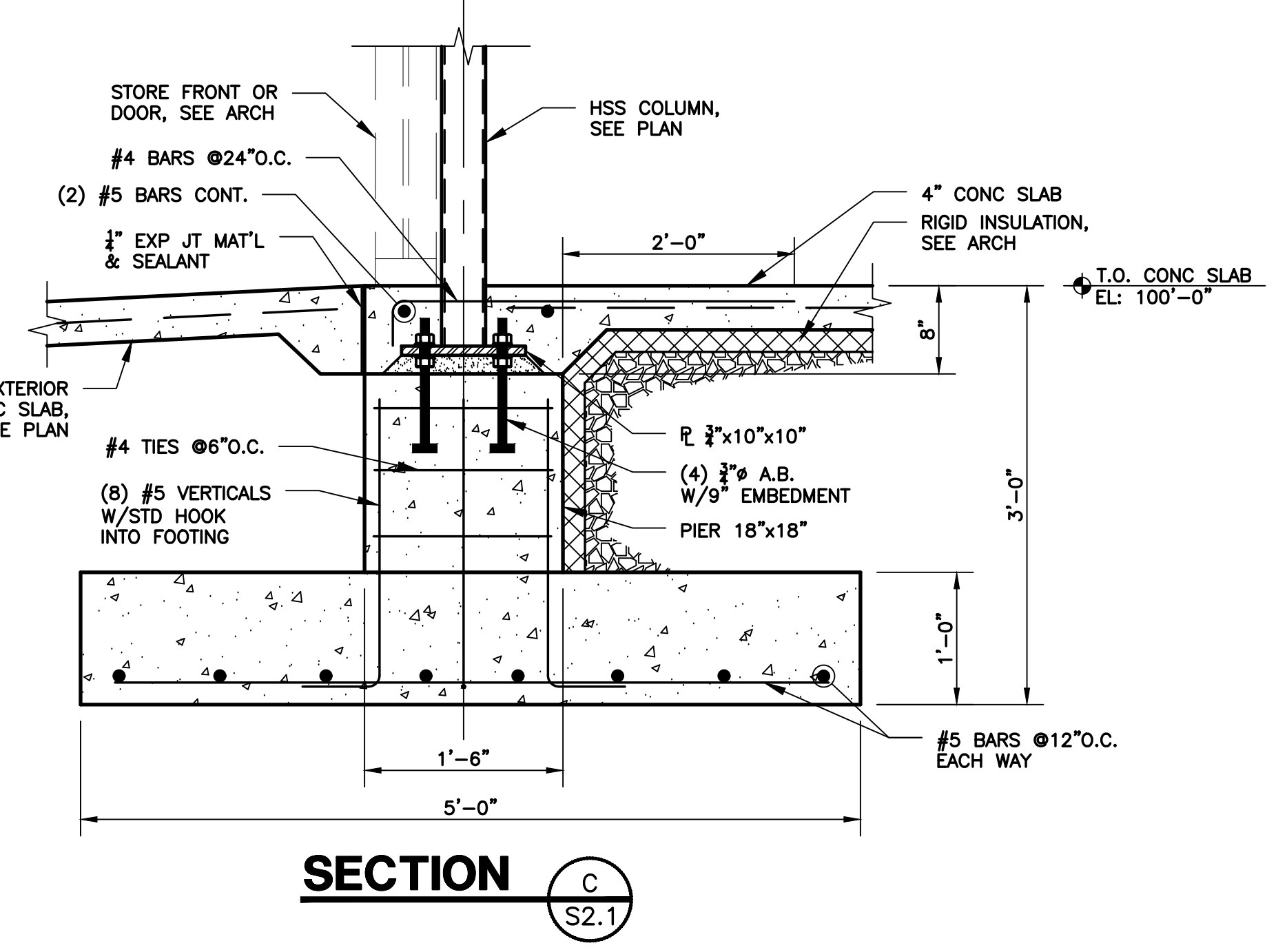
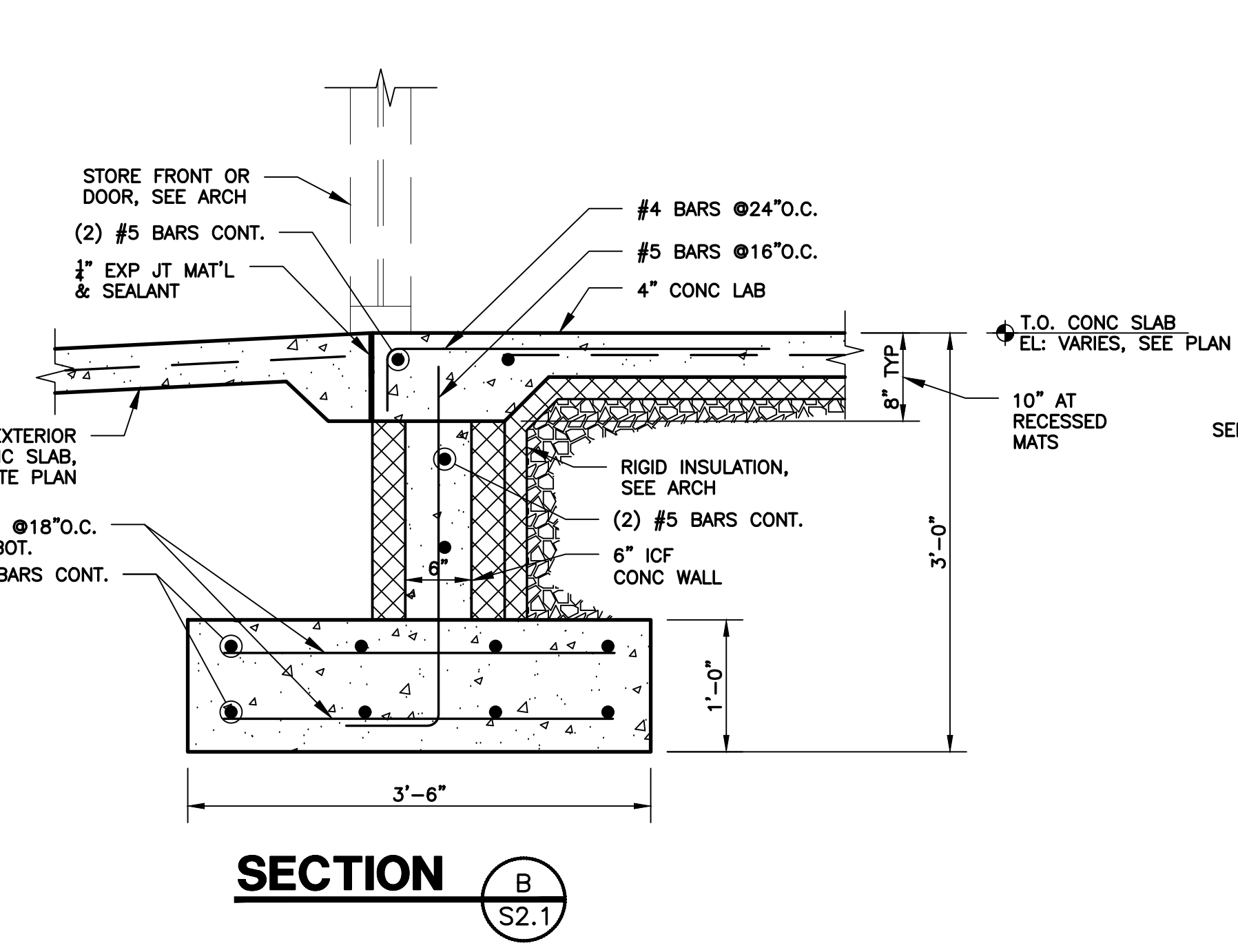
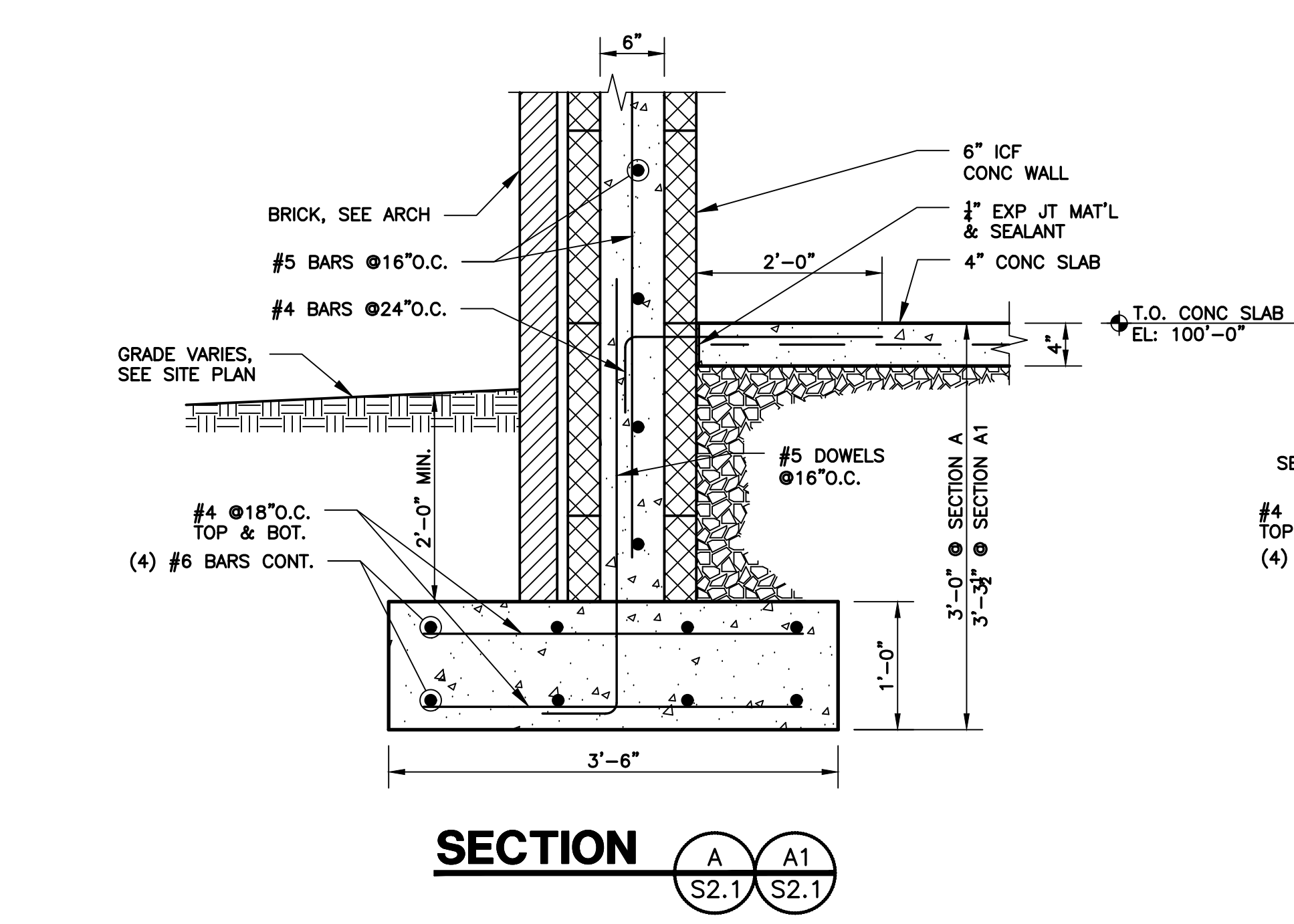
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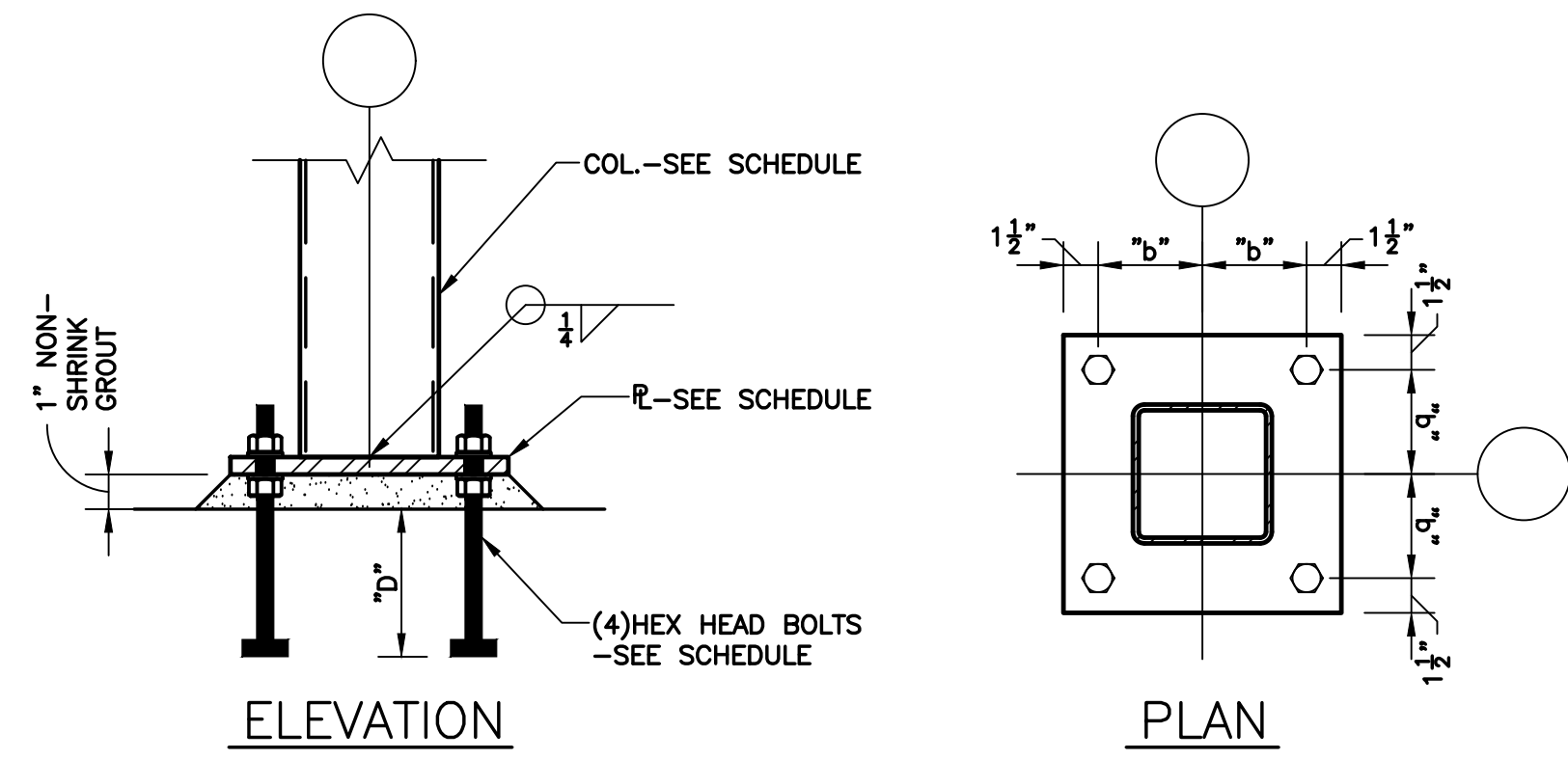
Project Number  
**24214**

**S2.1**



POAGE/24214/12.02.2024/HMM

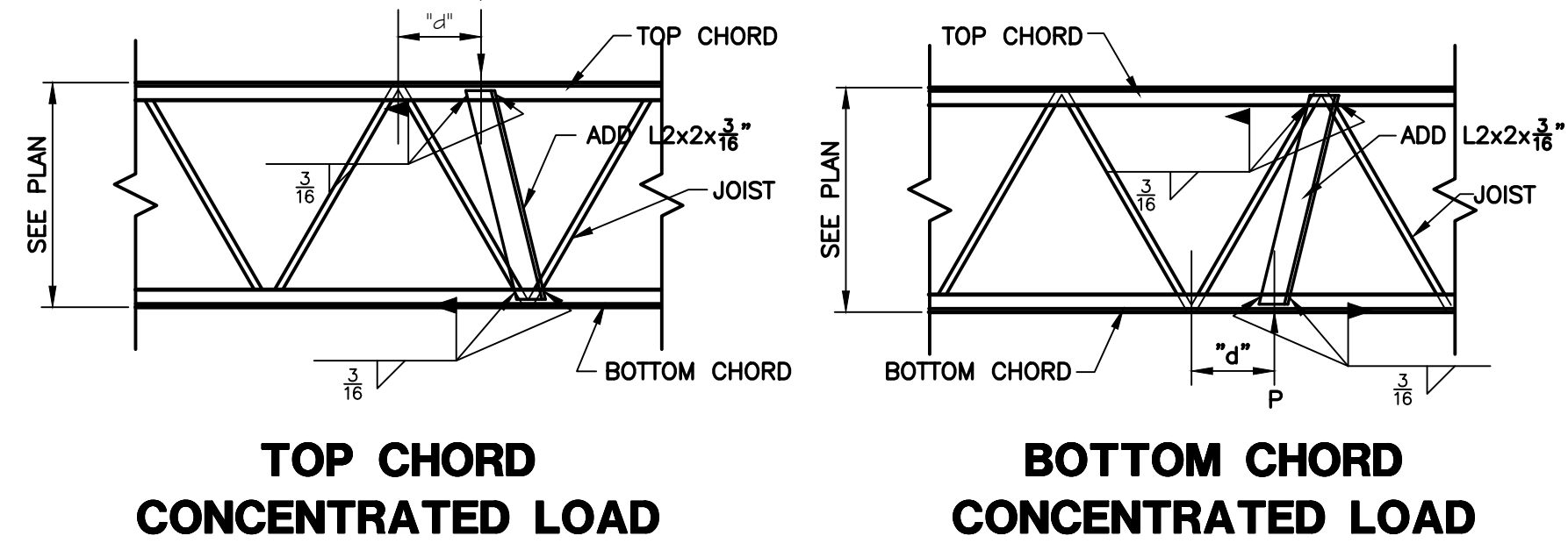




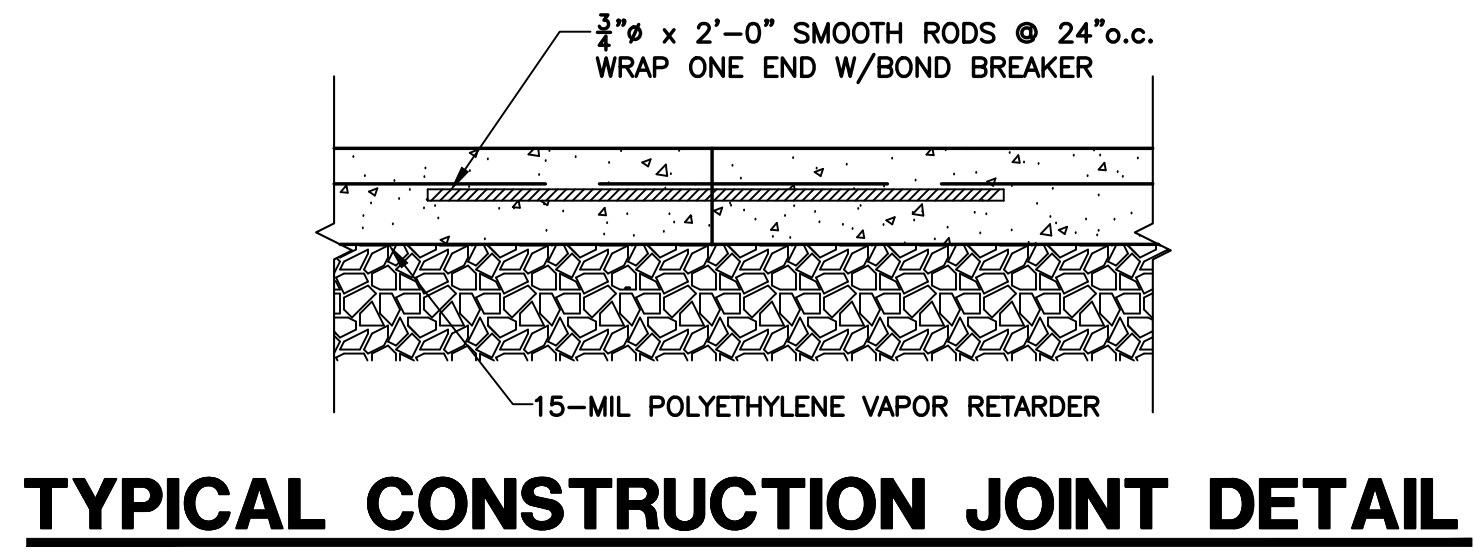
TUBE STEEL COLUMN/BASE PLATE SCHEDULE				
COLUMN	PLATE SIZE	BOLT SPACING "b"	BOLT #	EMBED DEPTH "d"
HSS6x6	3/4"x12"x12"	4 1/2"	3/4"	12"
HSS4x4	3/4"x10"x10"	3 1/2"	3/4"	9"

**TYPICAL BASE PLATE DETAIL**

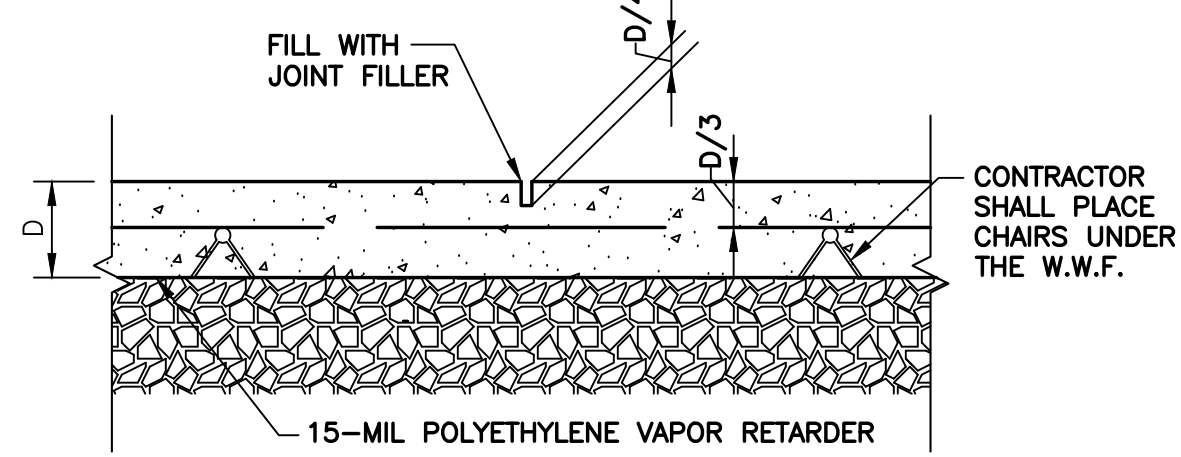
NOTES: 1) FOR "d" LESS THAN 6"-NO REINFORCING IS REQUIRED  
 2) FOR "P" LESS THAN 100#-NO REINFORCING IS REQUIRED



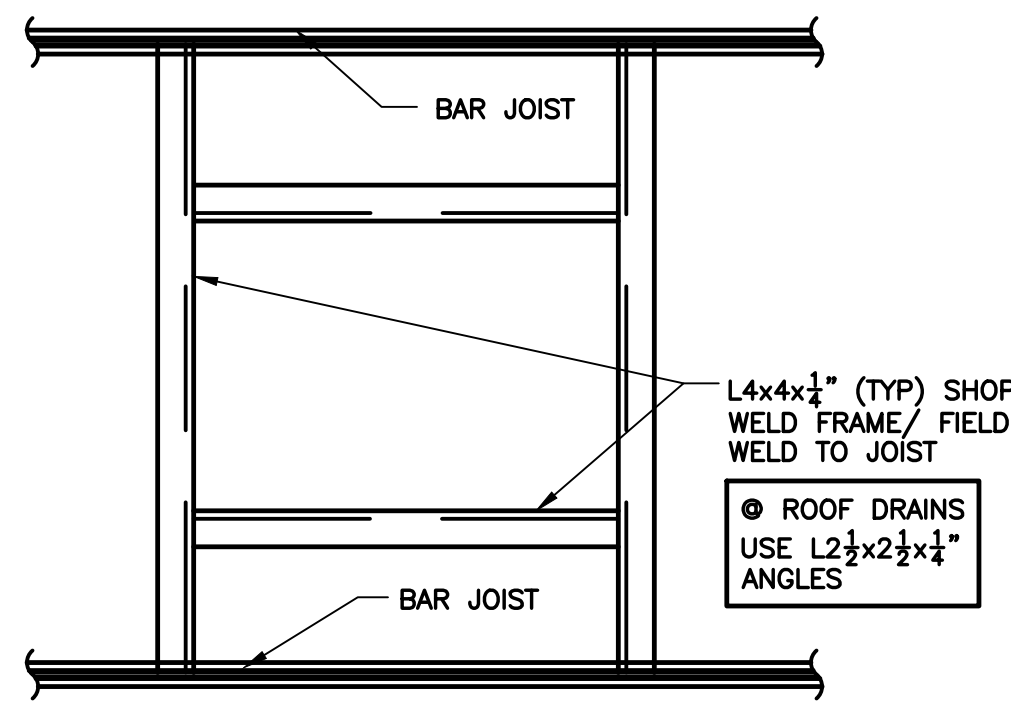
**TYPICAL REINFORCING REQUIRED AT ALL CONCENTRATED LOADS**



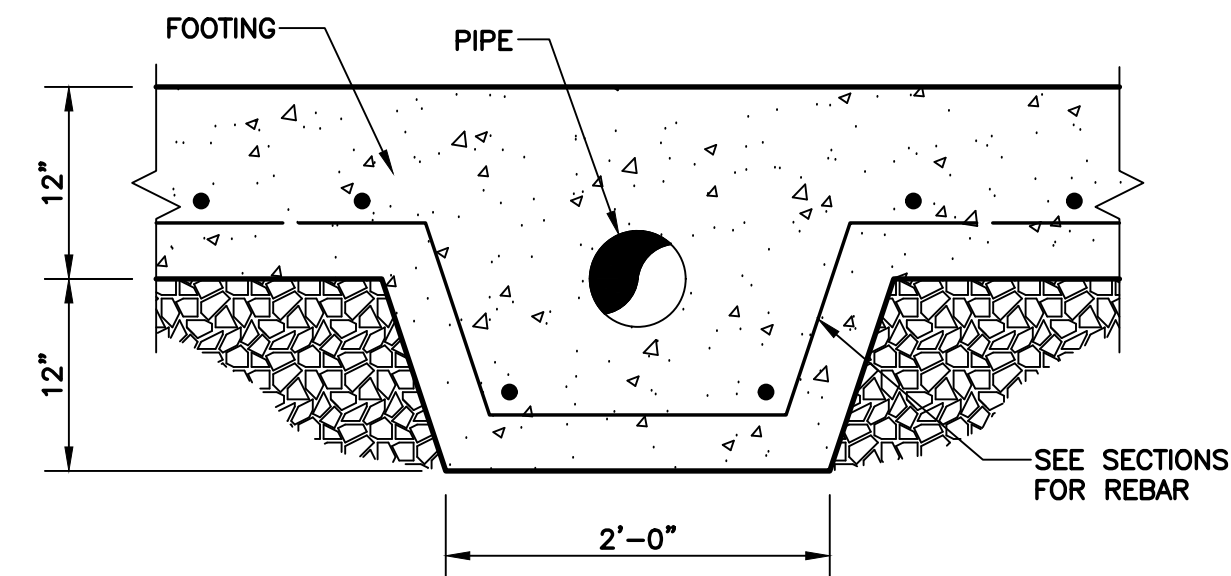
**TYPICAL CONSTRUCTION JOINT DETAIL**



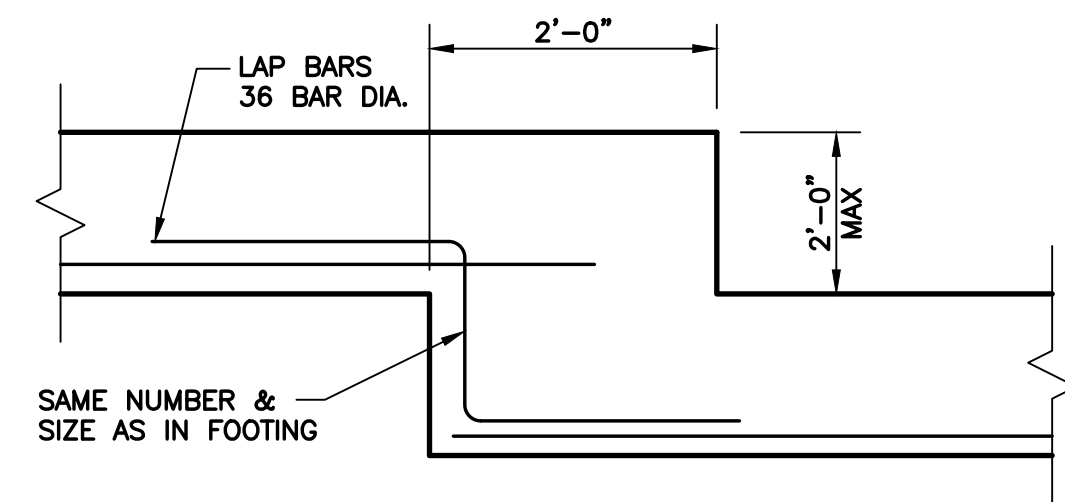
**TYPICAL CONTROL JOINT DETAIL**



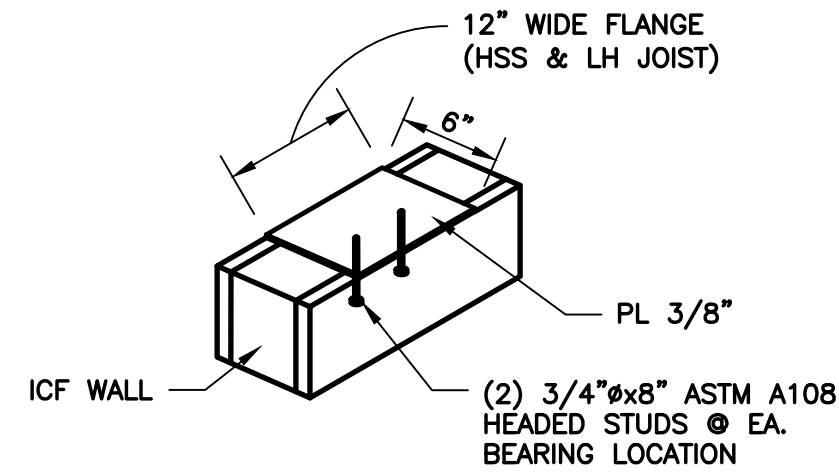
**TYPICAL ROOF OPENING**  
 (FOR ALL OPENINGS GREATER THAN 12")  
 (INCLUDES BUT IS NOT LIMITED TO ROOF DRAINS)



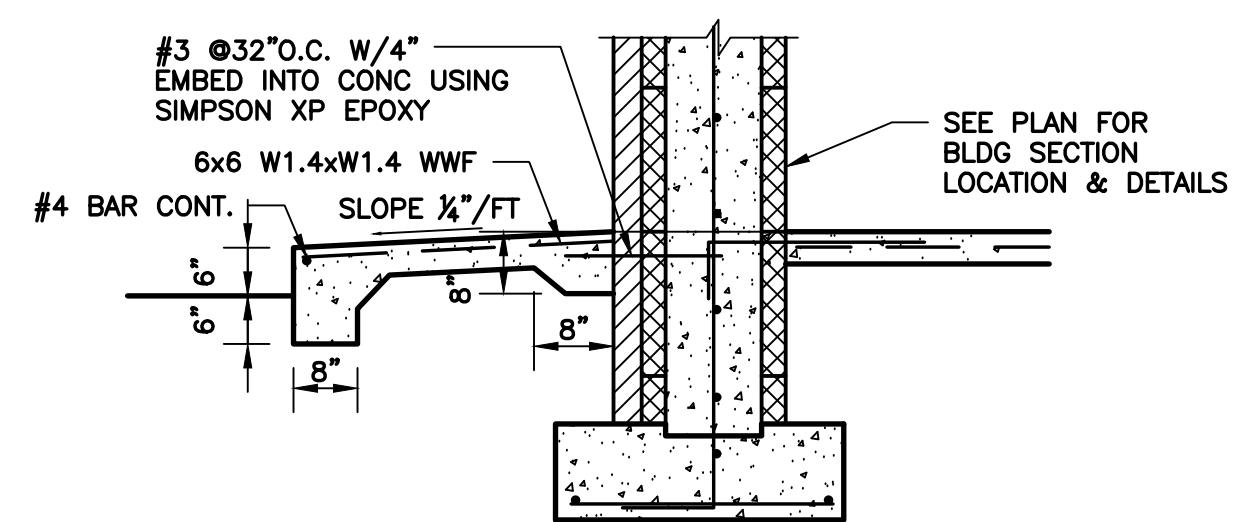
**TYPICAL PIPE PERFORATION @ FOOTINGS**



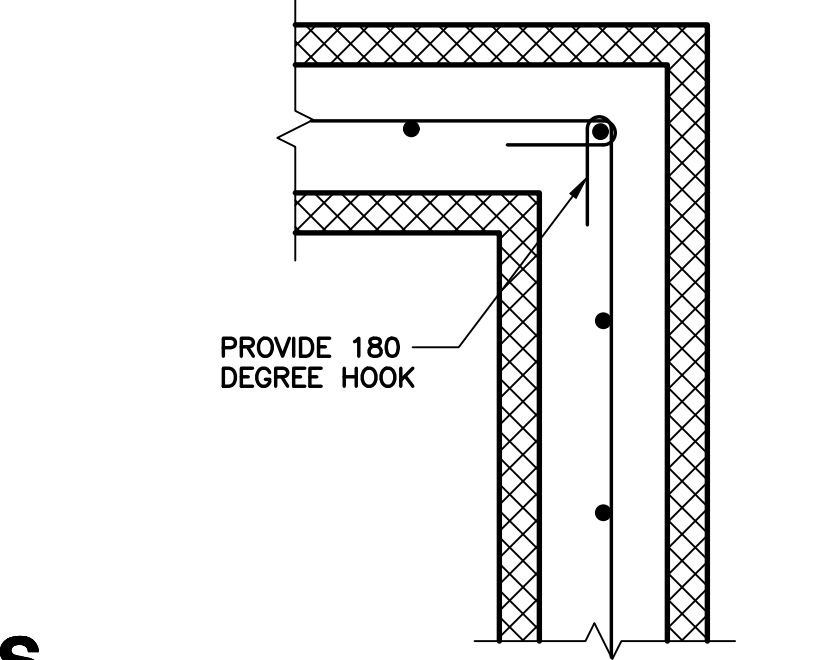
**TYPICAL STEP FOOTING**



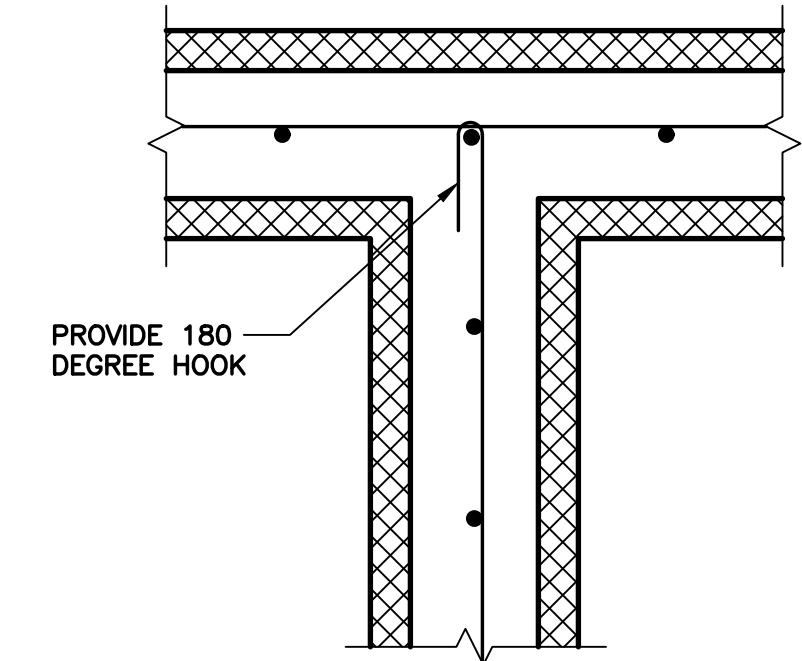
**TYPICAL BEARING PLATE DETAIL**



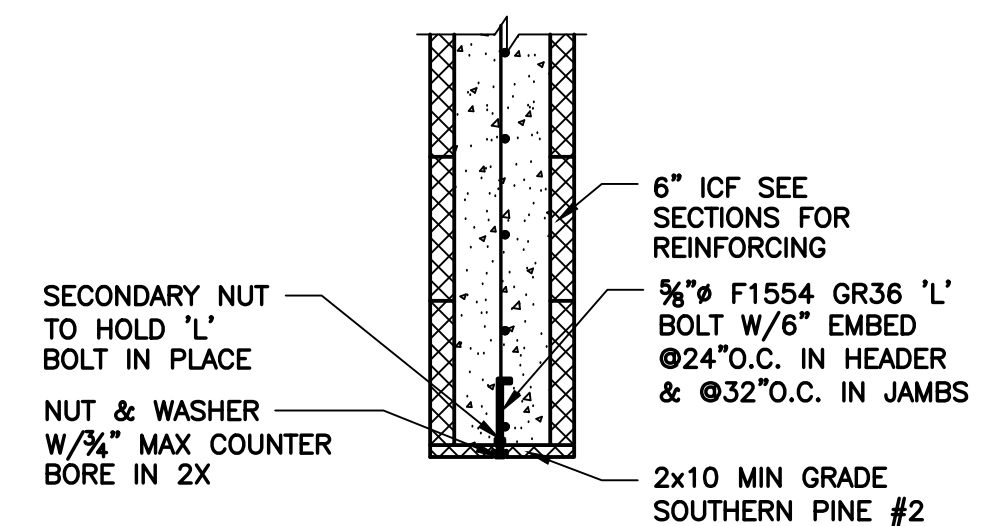
**TYPICAL SIDEWALK DETAIL**



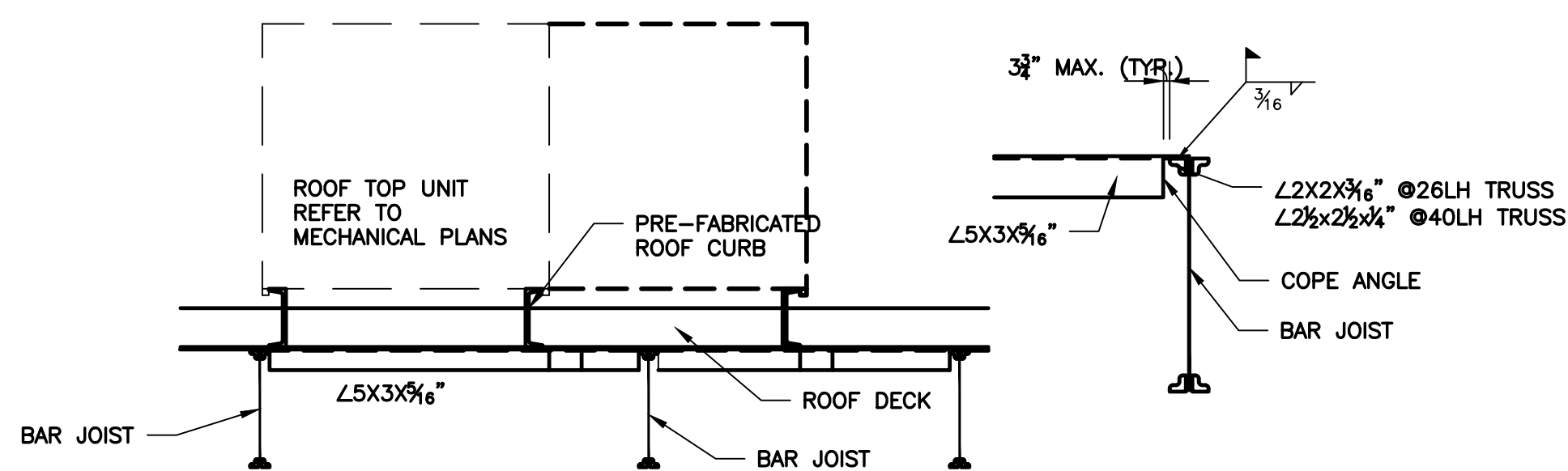
**TYPICAL CORNER ICF REINFORCING DETAIL**



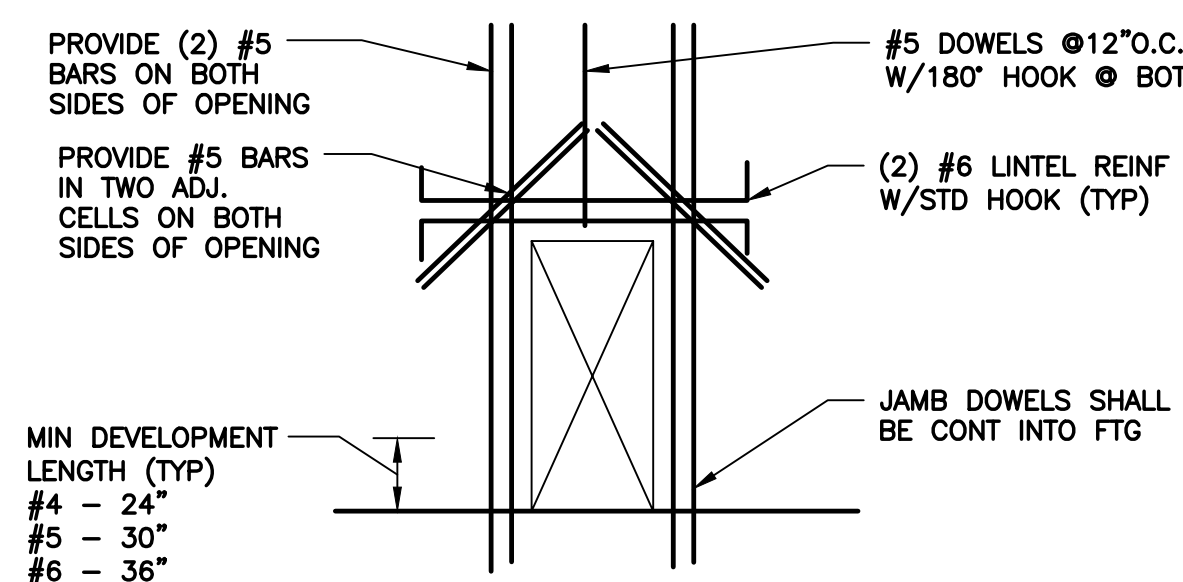
**TYPICAL WALL ICF INTERSECTION REINFORCING DETAIL**



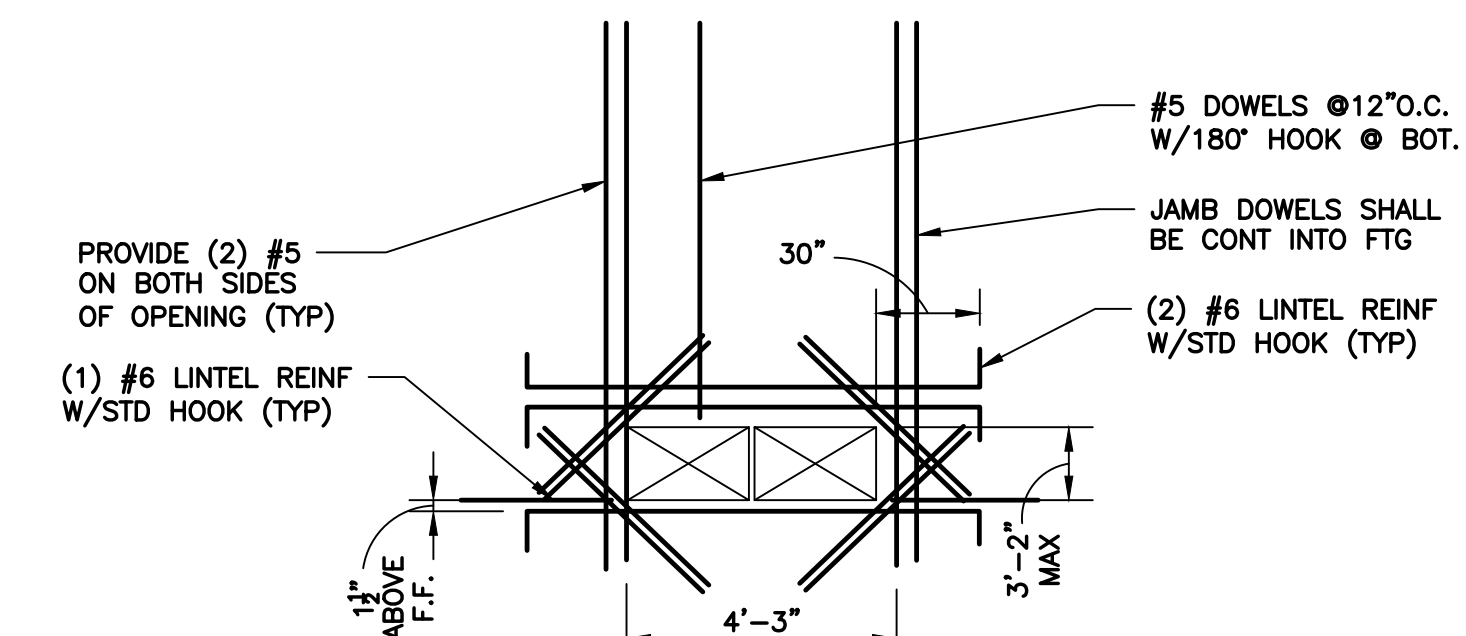
**TYPICAL ICF OPENING JAMB/HEAD DETAIL**



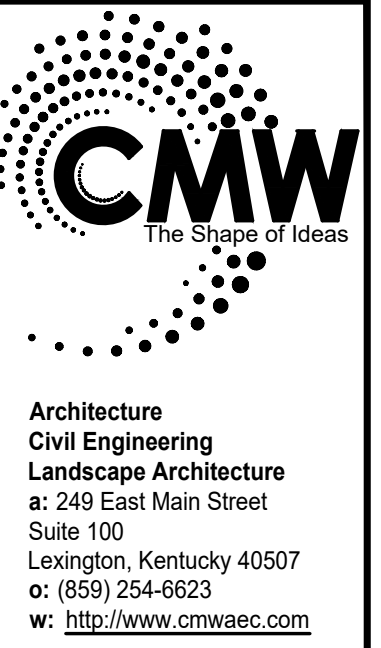
**RTU MECH UNIT SUPPORT SECTION**



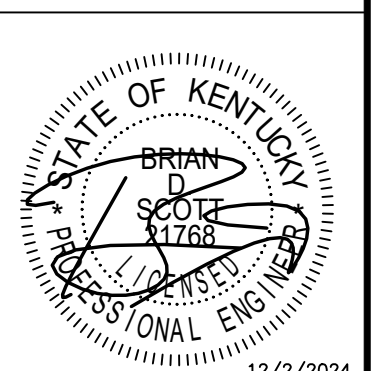
**TYPICAL REINFORCING @ OPENINGS IN ICF WALL**



**TYPICAL REINFORCING @ OPENINGS IN ICF WALL**



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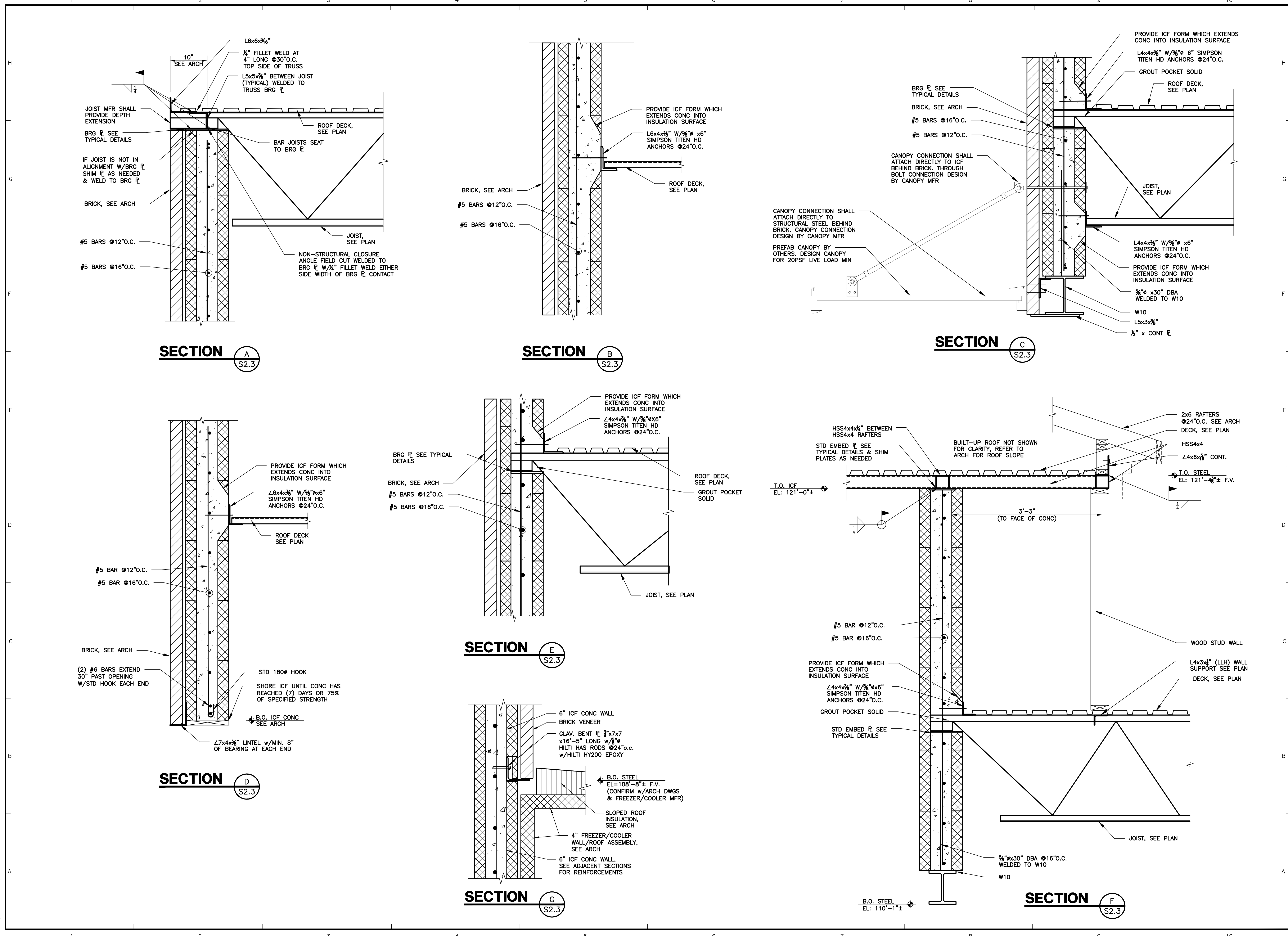


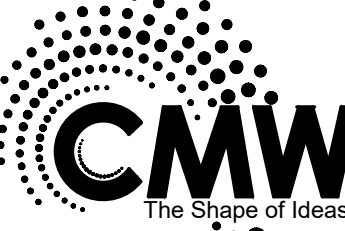
**SECTIONS & DETAILS**  
 Five Star - #5546 Lawrenceburg  
**NEWCOMB OIL CO. LLC**  
 CARLTON CROSSING LOT 7  
 LAWRENCEBURG, KY 40342

CONSTRUCTION DOCUMENTS	
Issue Date:	December 2, 2024
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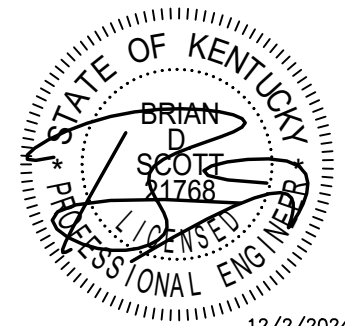
**S2.2**






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STATE OF KENTUCKY  
BRIAN SCOTT  
17788  
PROFESSIONAL ENGINEER  
12/2/2024



**POAGE**  
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SECTIONS & DETAILS  
Five Star - #5546 Lawrenceburg  
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CONSTRUCTION DOCUMENTS

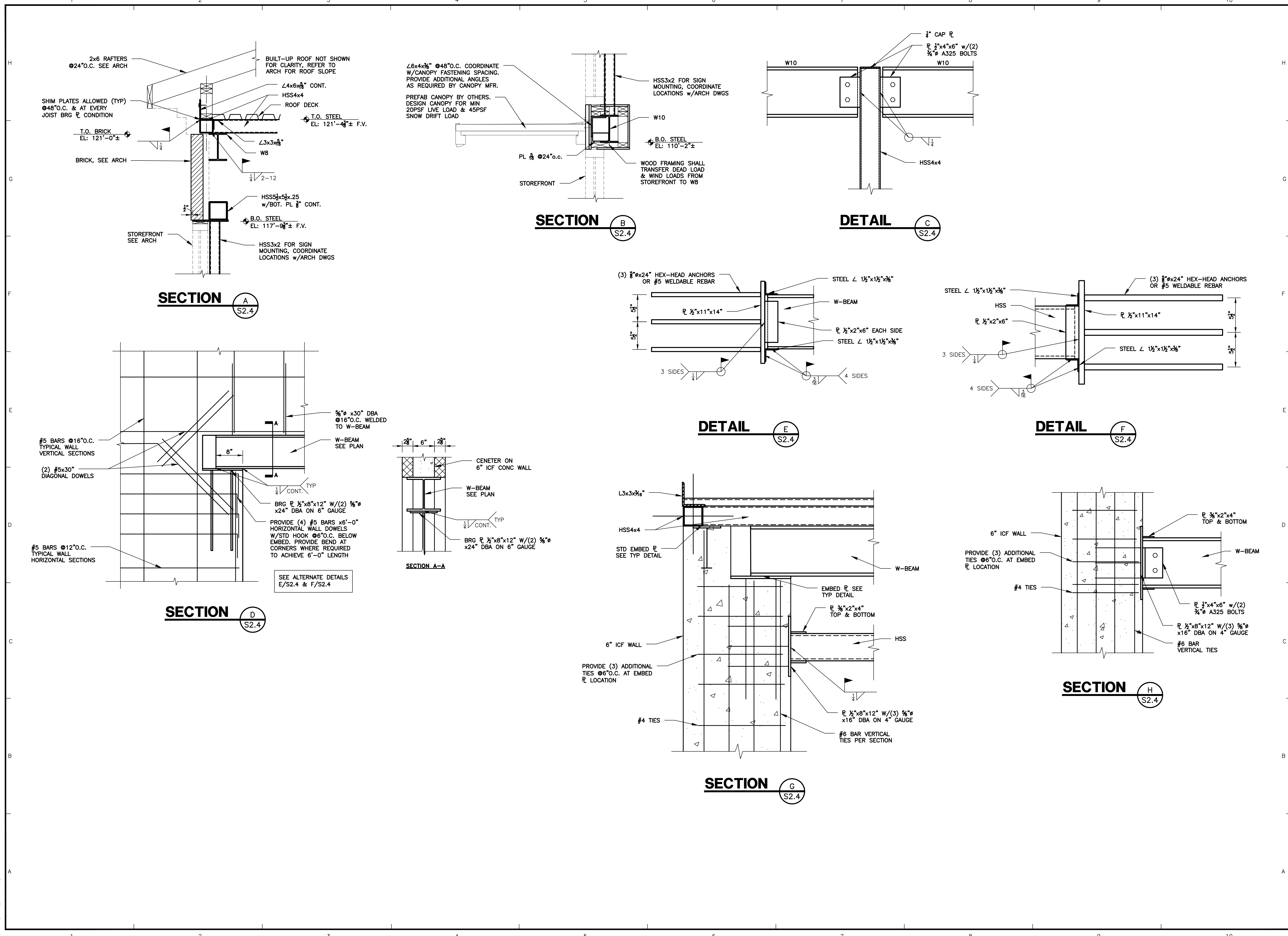
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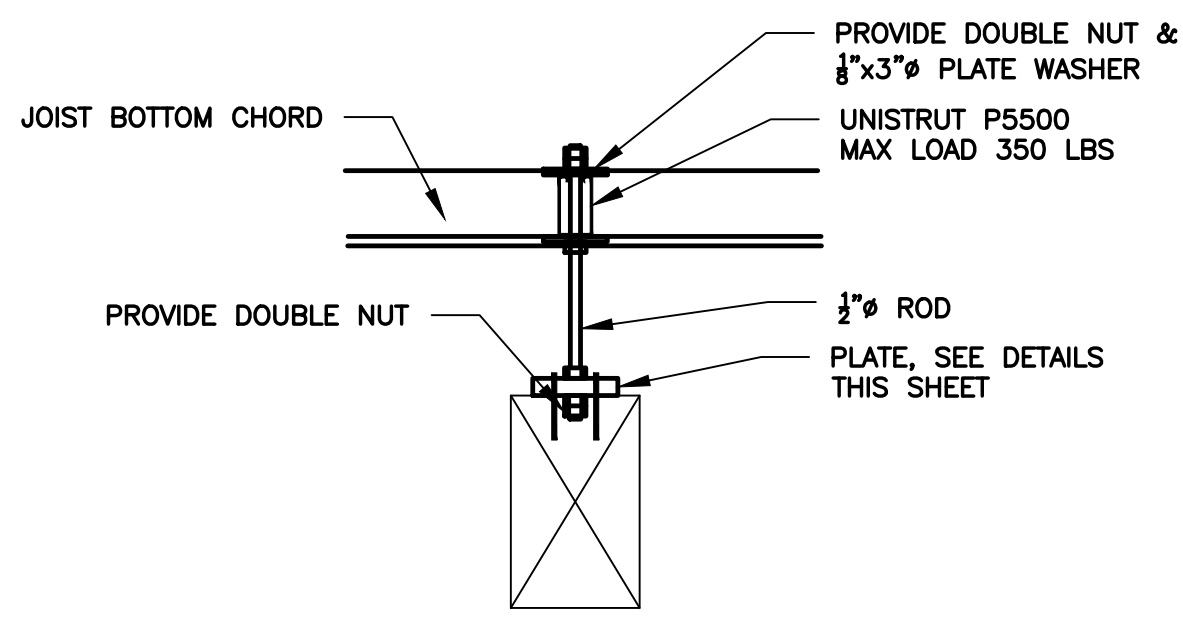
Project Number  
**24214**

S2.3

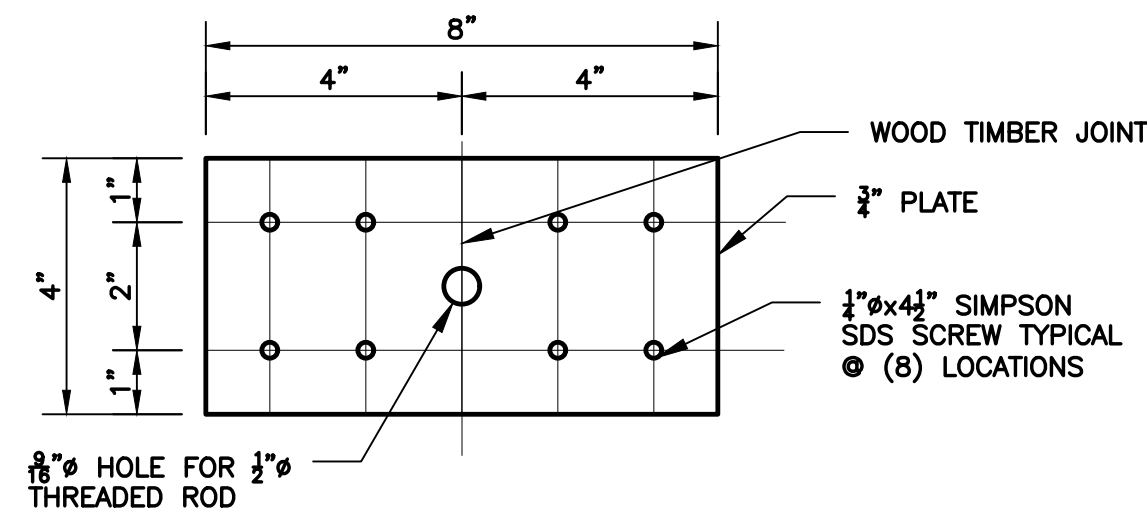




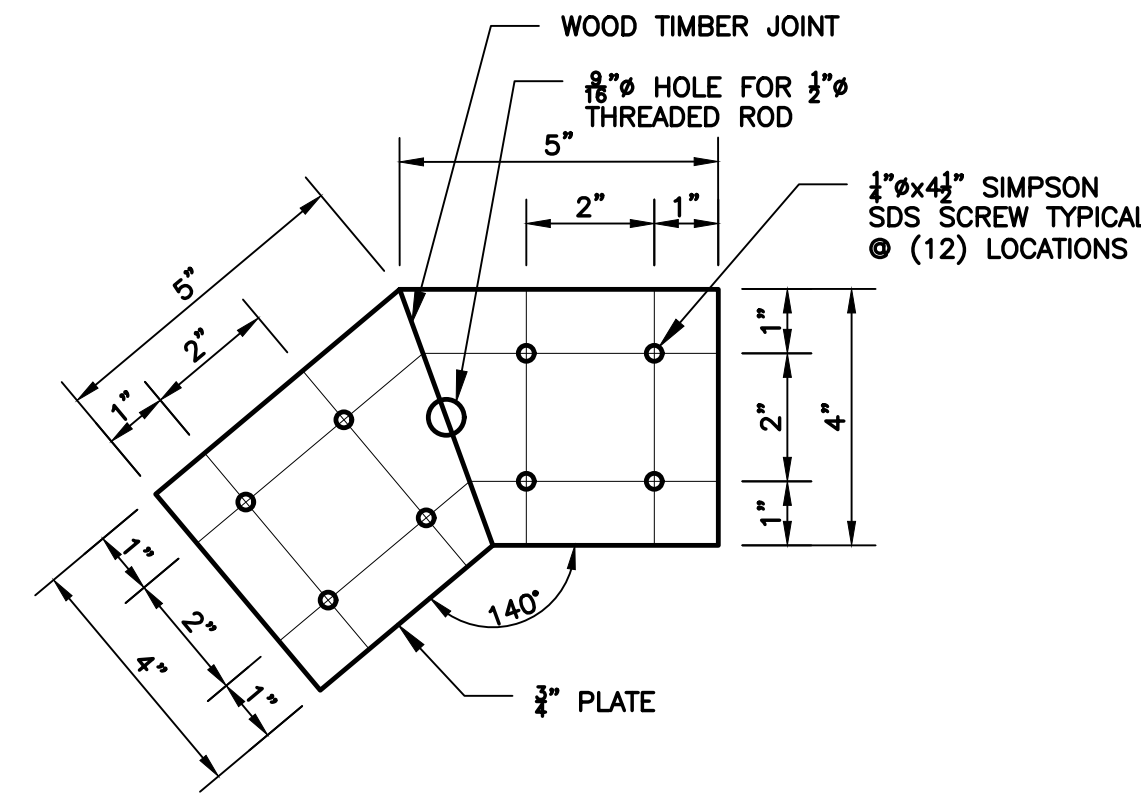
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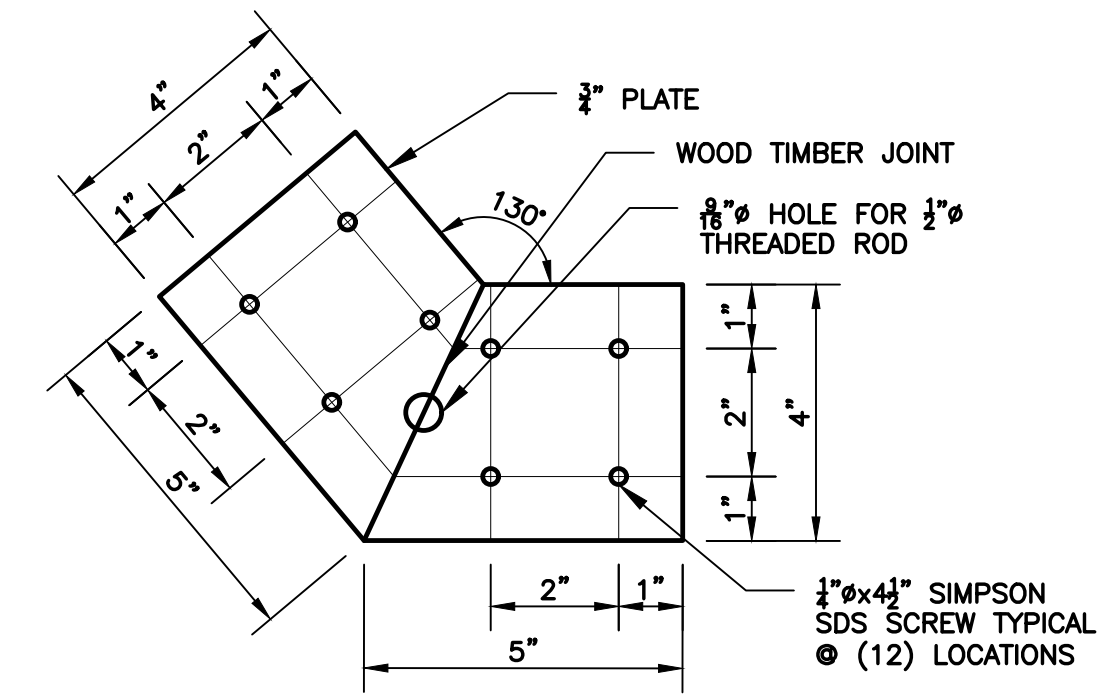
**DETAIL** **A**  
S2.5



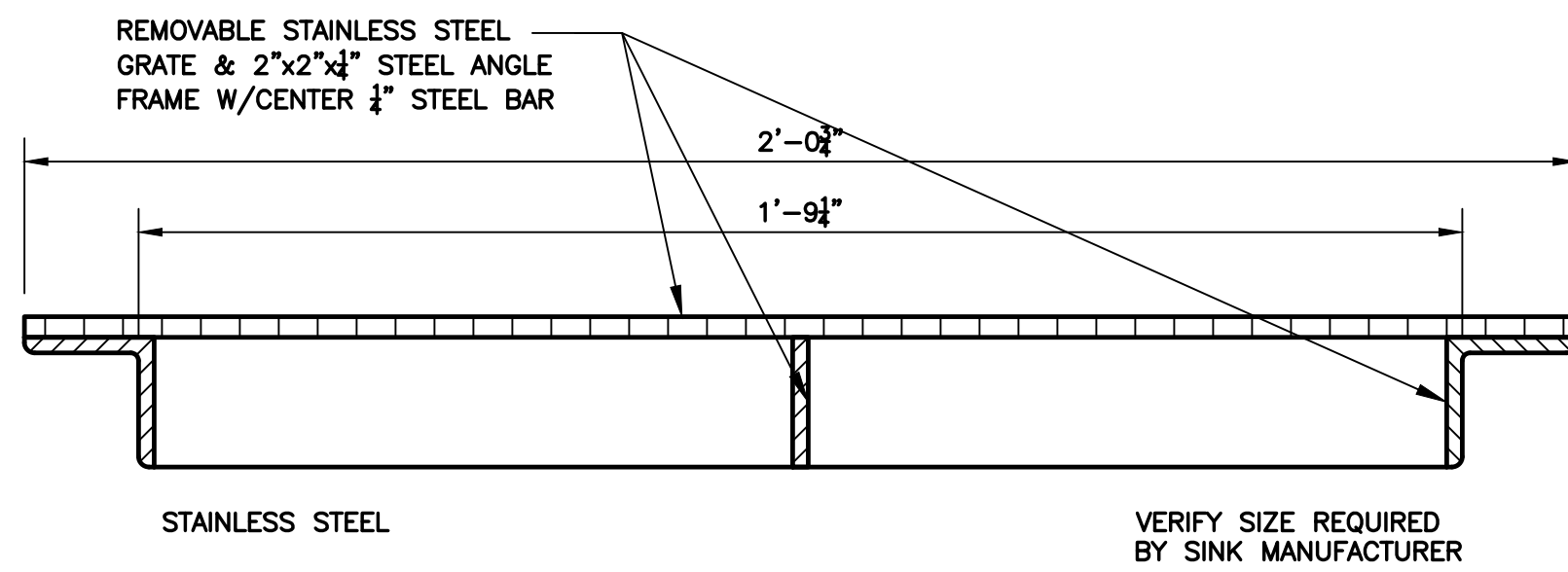
**DETAIL** **B**  
S2.5



**DETAIL** **C**  
S2.5

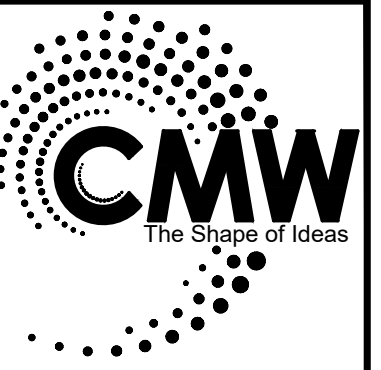


**DETAIL** **D**  
S2.5



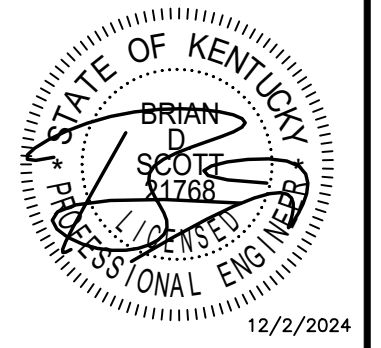
**SECTION** **F**  
S2.5

**NOT USED** **E**  
S2.5



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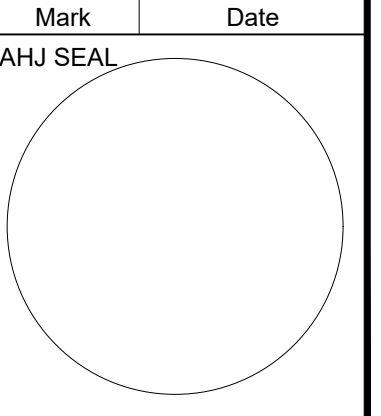
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CONSTRUCTION DOCUMENTS

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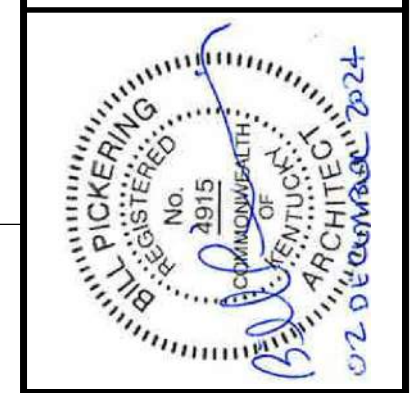
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**S2.5**



### 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 FACE OF STUD, CONCRETE, OR ICF UNLESS NOTED OTHERWISE.
- D. ICF: INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- E. ICF: ALL INTERIOR ICF WALLS (ALL PLASTIC FOAM INSULATION 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 THOROUGHLY EXAMINE 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.
- Y. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL SUB TRADES AND REQUIREMENTS BY OWNER.
- Z. ELECTRICAL, HVAC, AND PLUMBING TO BE RELOCATED PER FEDERAL, STATE, AND LOCAL CODES. GENERAL CONTRACTOR TO COORDINATE.



WALL / PARTITION LEGEND	
PLAN LEGEND	DESCRIPTION
	WOOD STUD WALL UNLESS NOTED OTHERWISE
	REFER TO DETAIL 2/A3.03 FOR DETAILS OF PARTITION TYPES A1, A2, A3, A4, A4.1, A5, B1, C1
	I.C.F. WALLS TO BE INSTALLED PER 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.

### FLOOR PLAN

FiveStar - #5546 Lawrenceburg  
NEWCOMB OIL CO., LLC  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

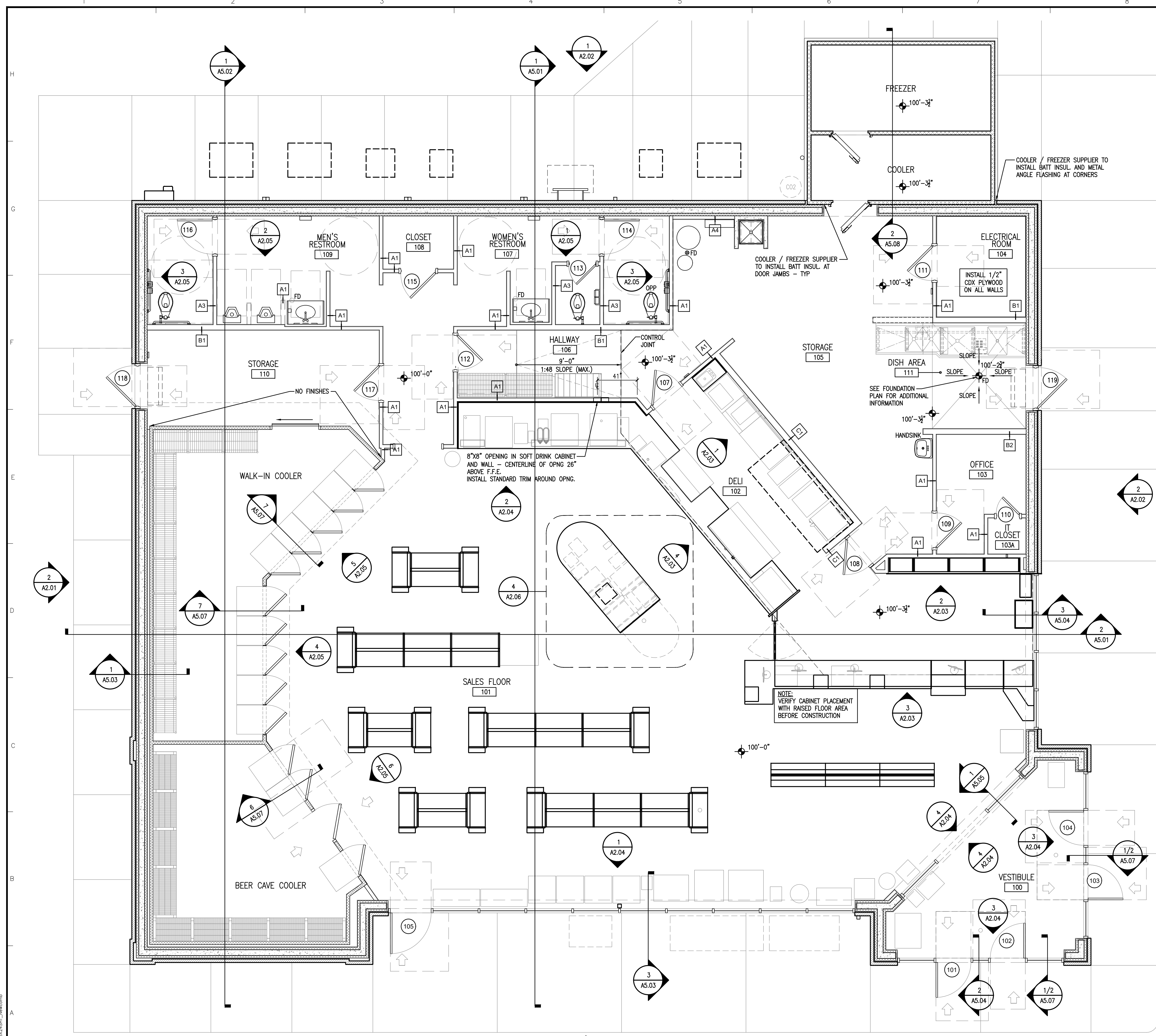
### CONSTRUCTION DOCUMENTS

Issue Date:	December 2024
Drawn By:	JMT / JTH
Checked By:	BP
Revisions:	
Mark	Date

AHJ SEAL

Project Number  
**24051.01**

**A1.01**

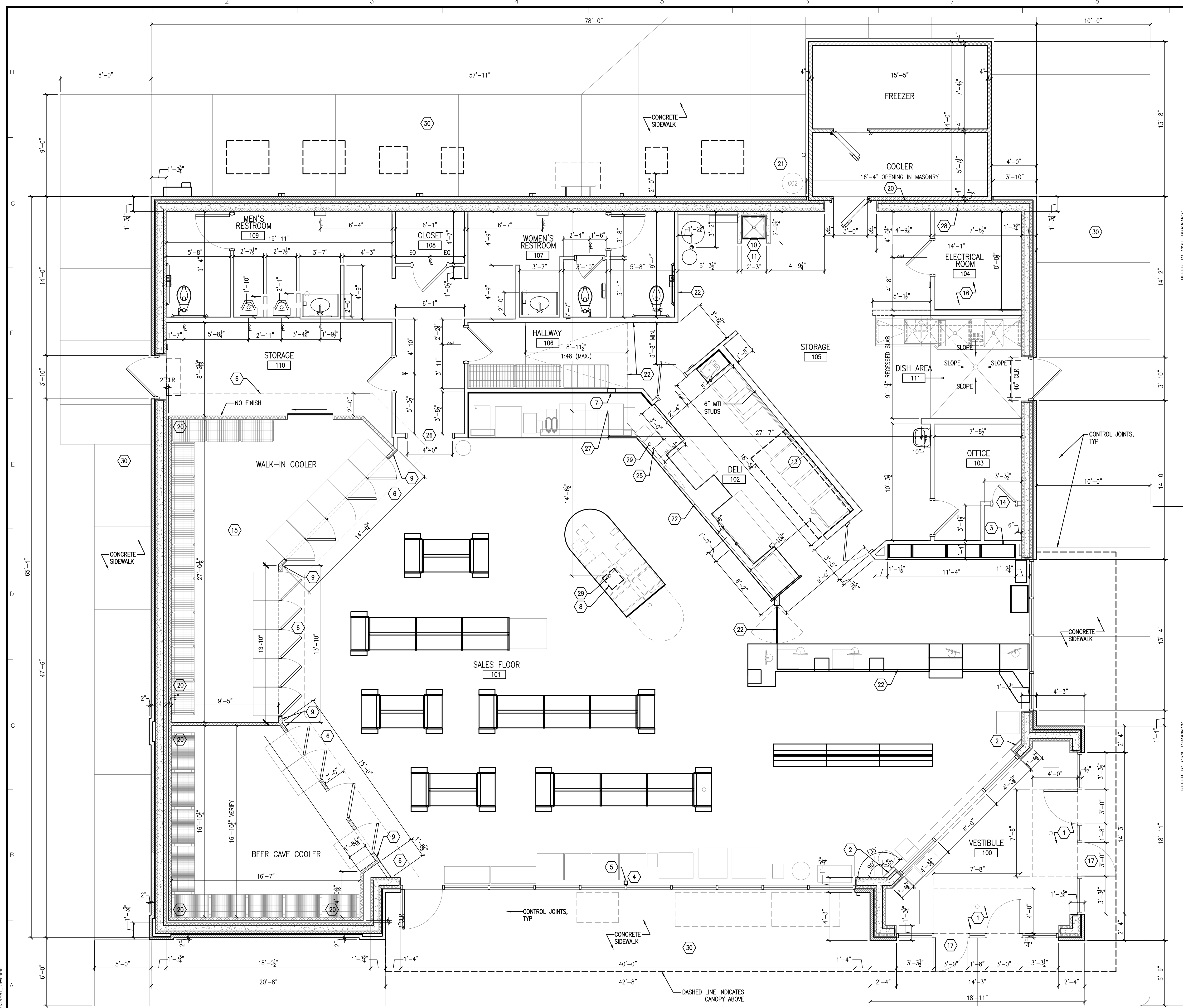


1 FLOOR PLAN  
A1.01 1/4" = 1'-0"



1 A2.01





### GENERAL NOTES

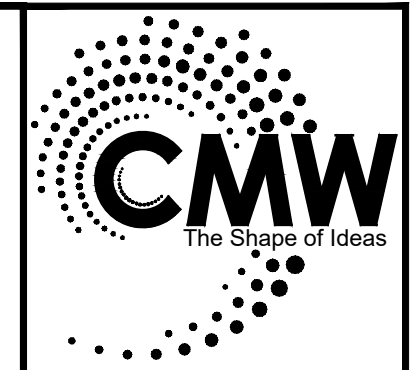
REFER TO SHEET A1.01 'GENERAL NOTES'

### SHEET KEYNOTES

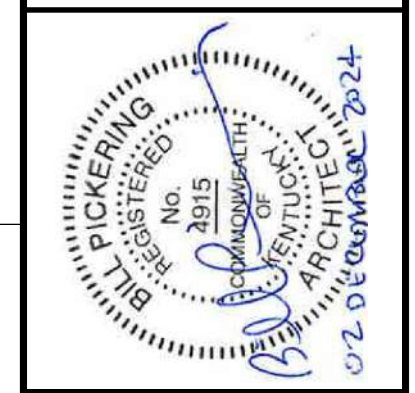
1. McNICHOLS QUALITY DURAGRID PULTRUDED FIBERGLASS GRATING (PART NO. F112106S42) W/ McNICHOLS QUALITY FIBERGLASS EMBEDMENT ANGLE (PART NO. F1F1E11520).
2. 2x4 FURRING AROUND PLUMBING VENT.
3. INSTALL A STUD CENTERED ON CLOSET BACK WALL TO SERVE AS VERTICAL BLOCKING FOR OWNER INSTALLED EQUIPMENT.
4. PAINT ALL SURFACE MOUNTED CONDUIT FOR ELECTRICAL BOXES "BLACK".
5. TUBE STEEL COLUMN, PAINT "BLACK". REFER TO STRUCTURAL DRAWINGS.
6. DASHED LINE INDICATES 1" RIGID INSULATION UNDER COOLERS
7. 8x8 OPENING IN SOFT DRINK CABINET AND WALL, CL OF OPENING 32" ABOVE RAMP. INSTALL STANDARD TRIM AROUND OPENING.
8. SLAB OPENING FOR UTILITIES, REFER TO ELEC. AND PLUMB. DRAWINGS VERIFY IN FIELD.
9. 1/4" CEMENT BD. INSTALLED ON COOLERS, REFER TO INTERIOR ELEVATIONS FOR WALL FINISH, (TYP.).
10. 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 02/A5.05. REFER TO PLUMBING FOR MOP SINK.
11. INSTALL MARLITE ABOVE MOP SINK UP TO 10'-0", EXTEND MARLITE TO OUTSIDE EDGE OF LONG WALL AND AROUND END OF WING WALL. PER FRP LAYOUT ON A1.04 ENTIRE SINK AREA WITH FRP.
12. NOT USED
13. 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.
14. FRAMED OPENING IN WALL CENTERED ABOVE DOOR FOR TRANSFER AIR GRILLES INSTALLED BOTH SIDES - REFER TO MECHANICAL M2.01 FOR GRILLE SIZE AND INSTALLATION DETAIL.
15. WALK-IN COOLER COMBO TO BE PROVIDED BY WALK-IN COOLER MANUFACTURER, WITH SEALED CONCRETE FLOOR (BY G.C. TYP.).
16. INSTALL 1/2" CDX PLYWOOD ON ALL WALLS.
17. REMOVABLE CENTER GLASS AND ALUM. FRAMES THIS DOOR ONLY, REFER TO 01/A6.01.
18. NOT USED.
19. NOT USED.
20. 1/2" AIR SPACE REQUIRED BTWN, EXTERIOR WALL AND WALK-IN COOLER, (TYP.).
21. CONCRETE EQUIPMENT PAD.
22. EDGE OF CONCRETE FLOOR SLAB RAISED 3-1/2" - REFER TO FOUNDATION PLAN FOR DIMENSION LAYOUT OF WHERE SLAB RAISED. NOT USED
23. NOT USED
24. OPEN DRAIN
25. CASE OPENING WITH TILE, USE SCHLUTER TILE EDGE
26. FOUNTAIN DRAIN (OR)
27. 2" SLEEVE 9'-0" A.F.F., 2'-0" OFF OF WALL.
28. SPARE 3" CONDUIT TO ELECTRIC ROOM
29. REVIEW CIVIL DRAWINGS BEFORE FORMING OUTSIDE SIDEWALKS, & REVIEW SITE FOR CANOPY SIZE

REFER TO CIVIL DRAWINGS

REFER TO CIVIL DRAWINGS



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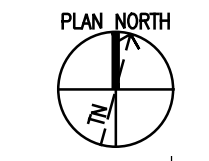
**DIMENSIONED FLOOR PLAN**  
FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

CONSTRUCTION DOCUMENTS	
Issue Date:	December 2024
Drawn By:	JMT / JTH
Checked By:	BP
Revisions:	
Mark	Date
AHJ SEAL	

Project Number  
**24051.01**

**A1.02**

**1**  
DIMENSIONED FLOOR PLAN  
1/4" = 1'-0"



Xref: A-1.P01\_30X24SHH\_Newcomb

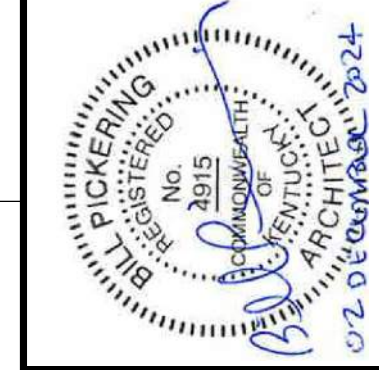


### GENERAL NOTES

A. REFER TO SHEET A1.01 'GENERAL NOTES'

### SHEET KEYNOTES

- 'LoCENTER' ALARM KEYPAD - INSTALL 54"-60" AFF, 6"-8" AWAY FROM DOOR FRAME - SEE ELECTRICAL
- AIR CURTAIN 'SERIES #CHD10' AS MANUFACTURED BERNER AIR CURTAINS - COORDINATE WIDTH OF UNIT W/ OWNER. INSTALL PER MANUFACTURER'S STANDARD REQUIREMENTS - SEE MECHANICAL AND ELECTRICAL



### EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NUMBER	OFQI	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	M-04-R			
6	1	OUTDOOR CONDENSING UNIT					
7	1	NOT USED					
8	1	NOT USED					
9	1	4 WELL HOT FOOD TABLE	DELFIELD				
10	1	HOT FOOD MERCHANDISER	HATCO	120V-1550 WATTS			
11	1	CONVECTION OVEN W/ HOLDING CABINET	MOFFAT	TURBOFAN G32D5 W/ P8M			
12	2	FLOOR MODEL GAS FRYER	PITCO	SOLSTICE SG14			
13	1	GRIDDLE	STAR	824TSA			
14	1	EXHAUST HOOD	CAPTIVE AIR				
15	1	WALK-IN FREEZER					
16	1	OUTDOOR CONDENSING UNIT					
17	1	DELI WALK-IN					
18	1	OUTDOOR CONDENSING UNIT					
19	2	REMOTE ICE MAKER (INSTALLED ON FOUNTAIN)	SCOTSMAN	N1322R-32A			
20	1	OUTDOOR REMOTE CONDENSER					
21	1	WORKTOP SOLID DOOR FREEZER	TRUE	TWT-48F-HC			
22	1	FOOD PREP TABLE	TRUE	TSSU-48-12-HC			
23	2	SODA FOUNTAIN					
24	1	TEA BREWER					
25	1	FREAL BLENDER	FREAL	BLENDER			
26	1	FREAL MINI BLENDING BAR	FREAL	MINI BLENDING BAR			
27	1	FREEZE MACHINE	TAYLOR CROWN				
28	2	COFFEE MAKER					
29	2	MICROWAVE					
30	1	INDUCTION RANGE					
31	1	BAKED GOODS					
32	1	DONUT CASE					
33	1	FRAPP MACHINE	BUNN	ULTRA 2HP BLK			
34	1	CHOC. CAPPUCCINO MACHINE	BUNN	IMX-55+			
35	1	CAPPUCCINO MACHINE	BUNN	IMX-55+			
36	3	BEAN TO CLUP - COFFEE	BUNN	FAST CLUP			
37	1	CREAMER	NESTLE	2 HEAD DISPENSER			
38	1	SUGAR	PERFECT SERVINGS	POWDER DISPENSER			
39	1	PAN CABINET					
40	1	HANK SINK, INTERGAL WITH COUNTERTOP					
41	1	WATER FILTER	PENTAIR	EV9437-10 HIGH FLOW CSR QUAD-MC SYSTEM			
42	1	MOP SINK, RECESSED					
42.1	1	FAUCET					
43	1	VORTEX WASH SYSTEM					
44	-	NOT USED					
45	1	WALL MOUNTED SHELVING (14"x36")	EAGLE - METAL MASTERS	GWB1436VG			
46	1	HAND SINK - WALL HUNG	AMERICAN STANDARD	2018 HBNS VITREOUS CHINA			
46.1	1	FAUCET	AMERICAN STANDARD	RELIANT 3 - 7385.004			
47	5	POS TERMINALS					
48	1	BAG-N-BOX					
49	1	WIRE SHELVING (18"x36") W/ ROLLERS	EAGLE - METAL MASTERS	1836VG			
50	1	WIRE SHELVING (24"x36") W/ ROLLERS	EAGLE - METAL MASTERS	2436VG			
51	4	SUSPENDED TV MONITORS					
52	1	SAFE	ARMOR	CS6-71XXU			
53	2	PAY POD	CPI	240057009			
54	2	HUSSMAN DISPLAY CASE	HUSSMAN	GSVMA			
55	1	FOOD WARMER	VOLLRATH	72050			
56	1	CONVECTION WARMING OVEN	CRES COR	CO-151-HW-LA			
57	1	ICE CREAM CASE	DREYER	1 DOOR UPRIGHT			
58	1	WORKTOP COOLER	TRUE	TWT-27-HC			

### EQUIPMENT AND CASEWORK PLAN

FiveStar - #5546 Lawrenceburg  
NEWCOMB OIL CO., LLC  
CARLTON CROSSING - LOT 7  
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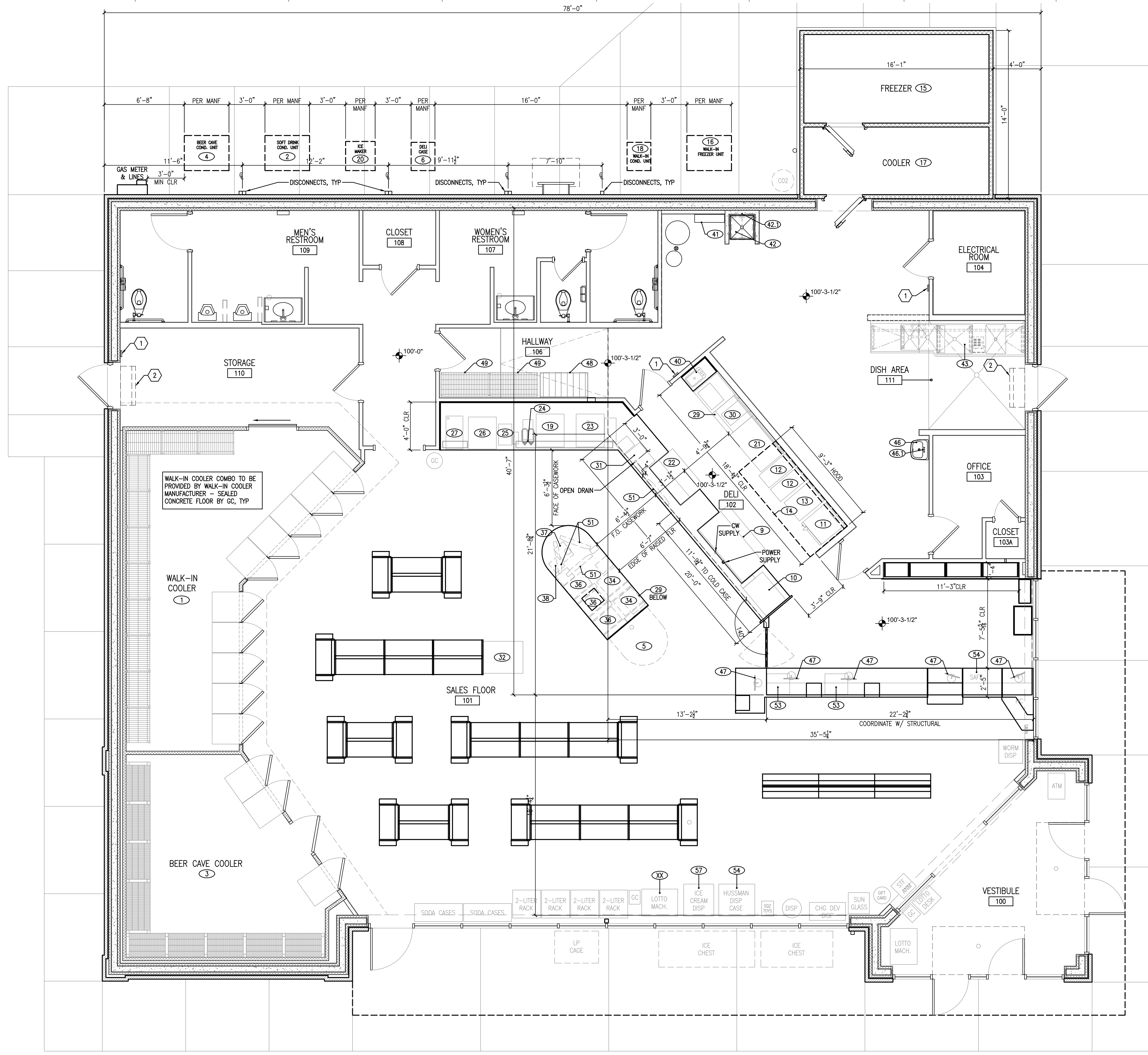
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Project Number  
**24051.01**

**A1.03**

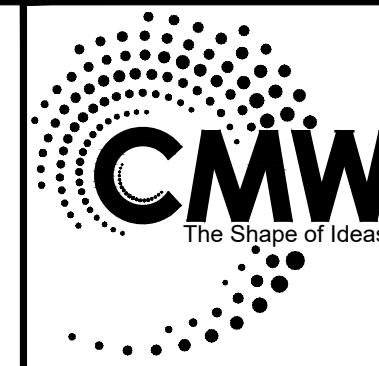


**1**  
A1.03  
**EQUIPMENT AND CASEWORK PLAN**  
1/4" = 1'-0"



Xref: A:\P01\_2024\SHH\_Newcomb





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### GENERAL NOTES

REFER TO SHEET A1.01 "GENERAL NOTES"

### SHEET KEYNOTES

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.
9. STAINLESS STEEL ANGLE TO PROTECT CORNER.

### FLOOR FINISH SCHEDULE

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

**MAIN TILE FIELD A:**

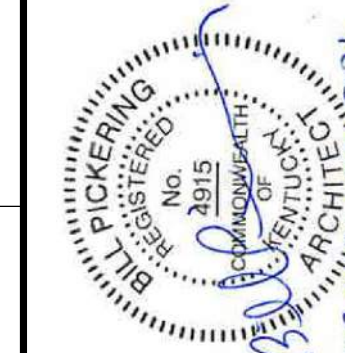
FT1: 12 x 12 PORCELAIN STONE TILE / #VL78 - ACCENT BROWN WITH 3/16" GROUT LINES - BRICKWORK PATTERN WITH #145 LIGHT SMOKE SANDED GROUT.

**MAIN TILE FIELD B:**

FT2: 6 X 24 COLORBODY PORCELAIN TILE / #HH03 TEAK WITH 3/16" GROUT LINES - WITH #59 SADDLE BROWN SANDED GROUT.

**NOTE:**

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



**FINISH PLAN**

**FiveStar - #5546 Lawrenceburg  
NEWCOMB OIL CO., LLC  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342**

**CONSTRUCTION DOCUMENTS**

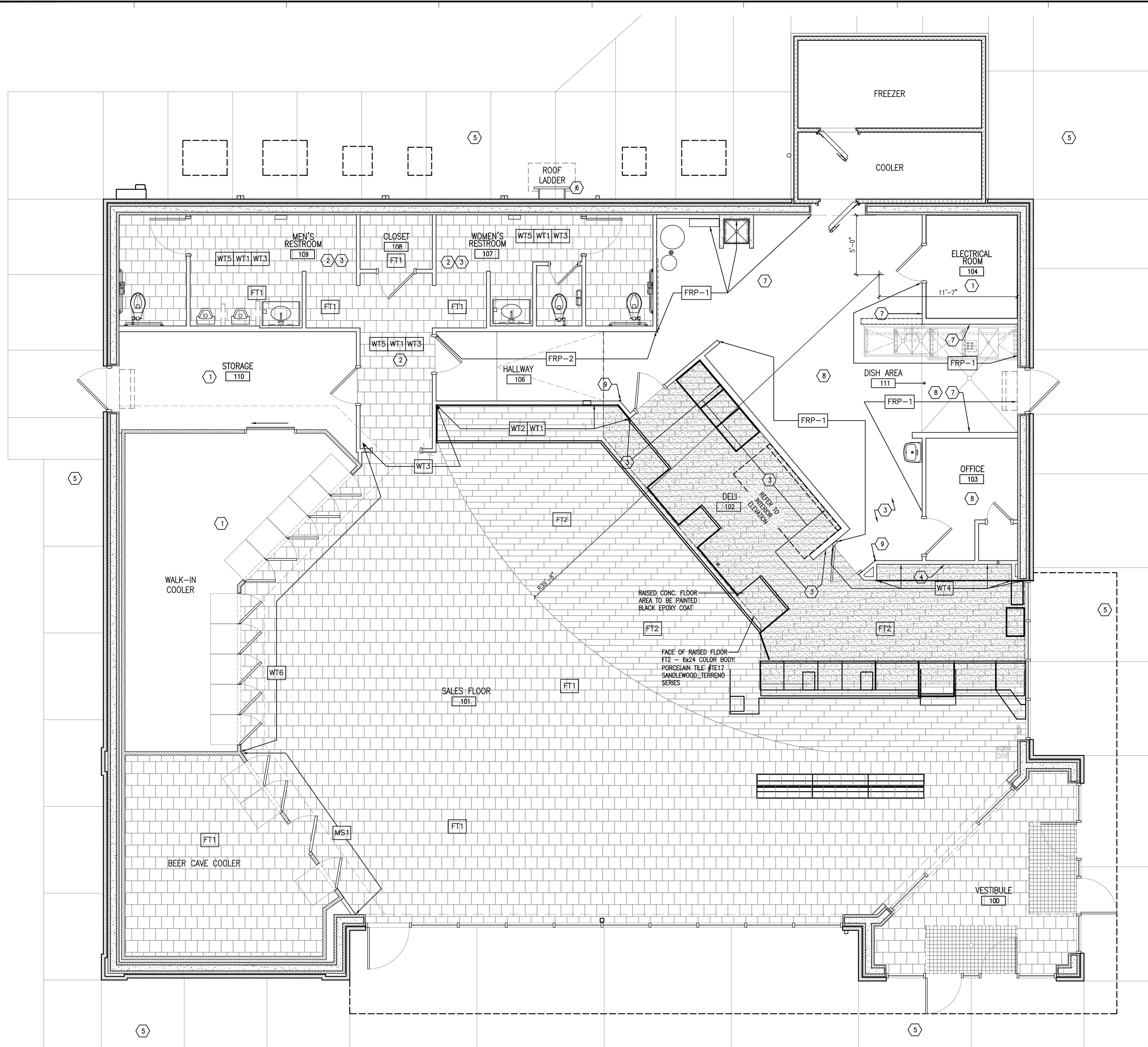
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**24051.01**

**A1.04**



**1 FINISH FLOOR PLAN**  
A1.04 1/4" = 1'-0"



Xref: A-FP01 30X24SHF\_Newcomb

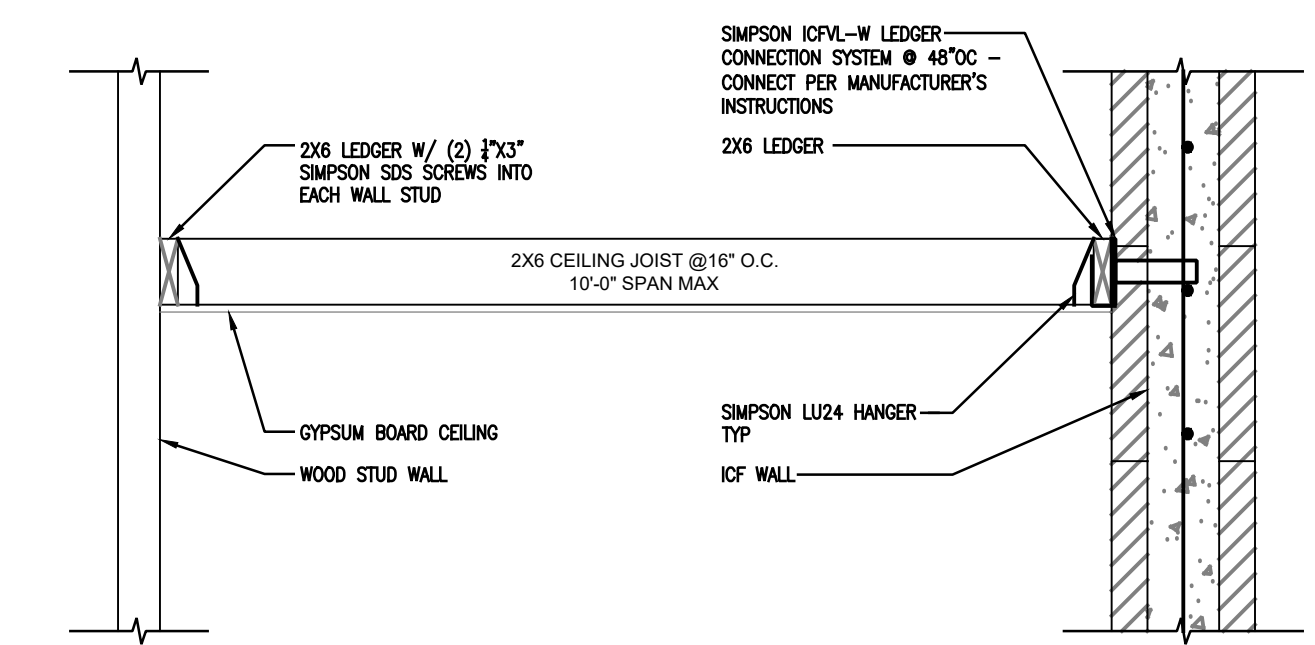


### GENERAL NOTES

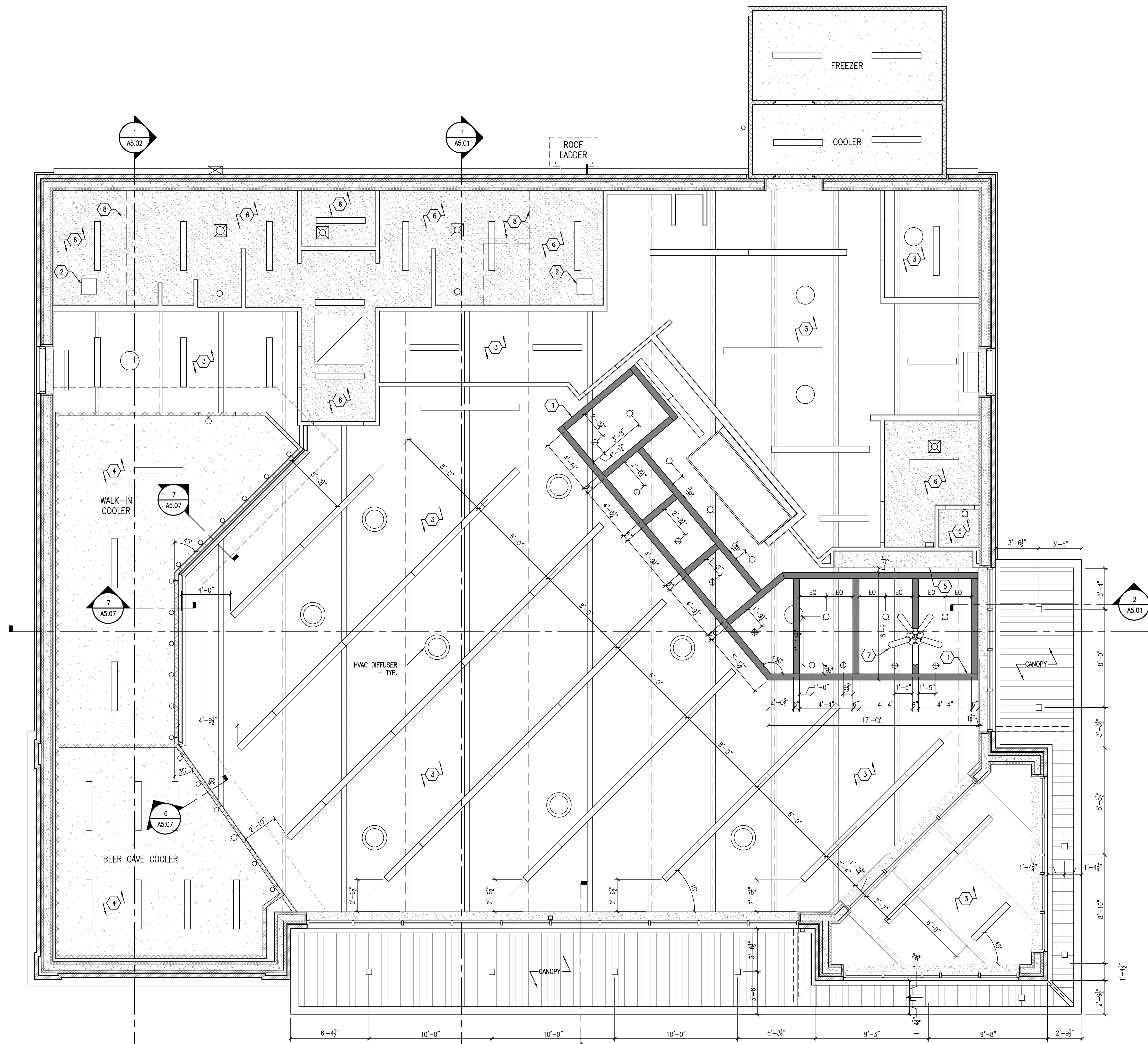
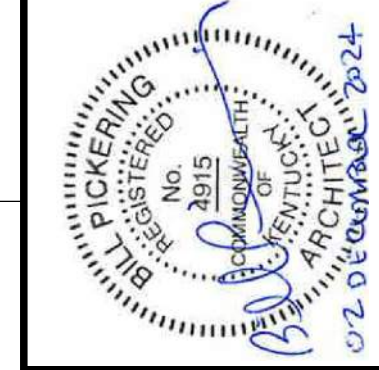
REFER TO SHEET A1.01 "GENERAL NOTES"

### SHEET KEYNOTES

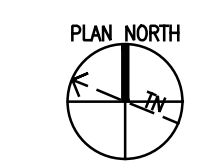
1. CEDAR WOOD BEAMS: BEAMS SHALL BE SEALED WITH CLEAR SEALER, TOPS OF CEDAR BEAMS SHALL BE SANDED BEFORE INSTALLATION. SUSPENSION RODS SHALL BE PAINTED TO MATCH THE CEILING. STEEL CONNECTOR PLATES SHALL BE PAINTED BLACK. REFER TO STRUCTURAL DRAWINGS FOR STEEL CONNECTOR PLATES.
2. 24"x24" HIGH PLYWOOD 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.
8. DASHED LINE DENOTES PARTIAL HEIGHT PARTITION BELOW -REFER TO FLOOR PLAN A1.01 FOR WALL TYPES AND PARTITION TYPES.



2 GYPSUM BOARD CEILING FRAMING  
3/4" = 1'-0"



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



3 AS.03

**REFLECTED CEILING PLAN**  
FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
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**A1.05**

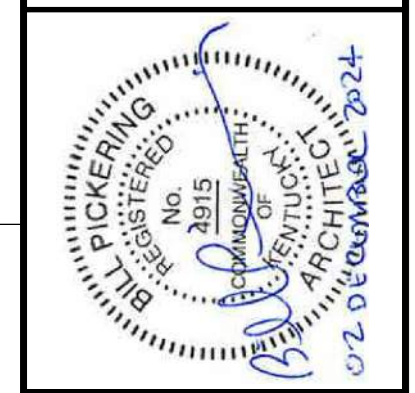


### GENERAL NOTES

- A. REFER TO SHEET A1.01 'GENERAL NOTES'
- B. ROOF DESIGN MINIMUM R-VALUE=30. PROVIDE ROOF INSULATION TO MEET MINIMUM DESIGN R-VALUE. ROOF INSULATION INSTALLED IN TWO LAYERS WITH BOARD JOINTS STAGGERED BETWEEN LAYERS
- C. REFER TO M/P/E DRAWINGS FOR ADDITIONAL NOTES FOR M/P/E ROOF WORK.
- D. COORDINATE MECHANICAL EQUIPMENT LOCATIONS INCLUDING CURBS AND OPENINGS IN ROOF DECK WITH MECHANICA EQUIPMENT REQUIREMENTS. DIMENSIONS SHOWN ON THIS ROOF PLAN LOCATING ROOFTOP MECHANICAL EQUIPMENT ARE TO FACE OF EQUIPMENT CURB
- E. USE GUTTER SEALANT "GEOCELL 2315LRF". 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.
- F. GUTTER SEGMENTS MUST LAP A MINIMUM OF 3".
- G. GUTTERS SHALL BE TESTED FOR LEAKS BY DAMMING ALL DOWNSPOUTS AND FILLING GUTTERS WITH 2" (APPROXIMATE DEPTH) OF WATER AND HOLD WITHOUT LEAKAGE. ANY LEAK LOCATIONS SHALL BE CORRECTED TO ELIMINATE THE LEAK BY PROPER SEALING PER SMACNA STANDARDS OR GUTTER SECTION REPLACED IF LEAK CANNOT BE PROPERLY SEALED.

### SHEET KEYNOTES

1. SINGLE PLY PVC 60 MIL FULLY ADHERED ROOF MEMBRANE - WHITE. BASIS-OF-DESIGN: DURO-LAST (WITH SUPREME 15-YEAR NDL WARRANTY) OR APPROVED EQUAL.
2. 1.5"(H) 24-GAUGE MINI BATTEN PREFINISHED STANDING SEAM METAL ROOF BY 'METAL SALES' W/ 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.  
NOTE: PROVIDE LINEAR SOFFIT VENTS ON NON-ROOF SIDES: ON ROOF SIDE, PROVIDE (2) RECT. ALUMINUM SOFFIT VENTS, PTD. TO MATCH ADJACENT METAL COLOR.
3. PREFINISHED METAL DOWNSPOUTS -SEE ELEVATIONS AND DETAILS FOR ADDITIONAL INFORMATION. ROUTE ALL DOWNSPOUTS BELOW GRADE - REFER TO CIVIL FOR ADDITIONAL INFORMATION.
4. PREFINISHED METAL DOWNSPOUTS -SEE ELEVATIONS AND DETAILS FOR ADDITIONAL INFORMATION. DRAIN DOWNSPOUTS TO TPO ROOF SYSTEM BELOW
5. CONTINUOUS PREFINISHED METAL GUTTER -SEE ENLARGED DETAILS FOR STYLE AND COLOR
6. GALV STEEL ROOF LADDER W/ SAFETY CAGE. PROVIDE 6'-0" (H) HINGED SECURITY PANEL W/ PADLOCK HASP. CONFIRM ACCESS LADDER TO BE USED WITH OWNER.  
NOTE: BRACKETS ARE ANCHORED DIRECTLY TO CONCRETE WALL -SEE NOTES AND DETAIL 01/A5.04 FOR REQ'D -LENGTH TO CLEAR GUTTER
7. EXHAUST FAN (250 LBS) FOR HOOD BELOW -WITH 21"x21" ROOF DECK OPENING -REFER TO MECHANICAL DRAWINGS -NOTE BELOW ROOF IS HOOD (550 LBS) INSTALLED SUSPENDED FROM ROOF STRUCTURE -REFER TO STRUCTURAL FOR CURB SUPPORT AND OPENING IN ROOF DECK -COORDINATE CURB SUPPORT AND DECK OPENING WITH MECHANICAL
8. MAKE-UP AIR UNIT (1,400 LBS) -REFER TO MEP DRAWINGS
9. 24-GAUGE PREFINISHED METAL PARAPET COPING CAP -SEE EXT FINISH SCHEDULE FOR COLOR SELECTION
10. 2X6 WOOD STUD FRAMING INFILL WALL W/ STUDS SPACED 16"OC, 1/2"(T) SHEATHING, AND PREFINISHED METAL PANEL VENEER -SEE WALL SECTION DETAIL 1-A5.05 FOR ADDITIONAL INFORMATION
11. 4"x8" RECTANGULAR SOFFIT VENT -CONFIRM QUANTITY WITH AHJ VENTILATION REQUIREMENTS
12. METAL CANOPY W/ INTEGRAL GUTTER
13. SINGLE PLY MEMBRANE ROOF SYSTEM WITH COVER BOARD OVER TAPERED AND UNIFORM THICKNESS INSULATION INSTALLED OVER COOLER/FREEZER ASSEMBLY -TAPERED INSULATION SLOPED AT MINIMUM 1/4:12 -ROOFING MEMBRANE EXTENDED UP BRICK VENEER AND FINISHED WITH SEALED TERMINATION BAR -REFER TO DETAILS 2 & 4/A5.08
14. CONTINUOUS LINEAR SOFFIT VENT (DENOTED BY HEAVY DASHED LINE) -SEE ENLARGED DETAILS FOR ADDITIONAL INFORMATION
15. 2X4 WOOD STUD KNEE WALL W/ STUDS SPACED @ 48"OC @ ROOF JOIST MIDSPAN - (2) SIDES OF HIP ROOF (TO SUPPORT ROOF JOISTS)
16. VENT PIPE FROM UNDER-SLAB DRAINAGE PIPING UNDER COOLER/FREEZER ASSEMBLY -REFER TO ENLARGED PLAN 1/A5.08
17. ROOF INSULATION CRICKET -PROVIDE CRICKET AT ALL ROOFTOP EQUIPMENT CURBS
18. PLUMBING VENT -PROVIDE PREFABRICATED VENT BOOT FLASHING COMPATIBLE WITH ROOFING -REFER TO PLUMBING FOR EXACT QUANTITY AND LOCATIONS OF PLUMBING VENTS THROUGH ROOF
19. PACKAGED COOLING UNIT PCU-1 (1,500 LBS) -REFER TO MECHANICAL DRAWINGS -PROVIDE 84-1/2" X 50-1/2" OPENING IN ROOFING FOR CURB -REFER TO STRUCTURAL FOR CURB SUPPORT AND OPENINGS IN ROOF DECK -COORDINATE WITH MECHANICAL FOR MECHANICAL EQUIPMENT REQUIREMENTS FOR CURB SUPPORT AND DECK OPENINGS
20. PACKAGED COOLING UNIT PCU-2 (850 LBS) -REFER TO MECHANICAL DRAWINGS -PROVIDE 61" X 37" OPENING IN ROOFING FOR CURB -REFER TO STRUCTURAL FOR CURB SUPPORT AND OPENINGS IN ROOF DECK -COORDINATE WITH MECHANICAL FOR MECHANICAL EQUIPMENT REQUIREMENTS FOR CURB SUPPORT AND DECK OPENINGS



**ROOF PLAN**

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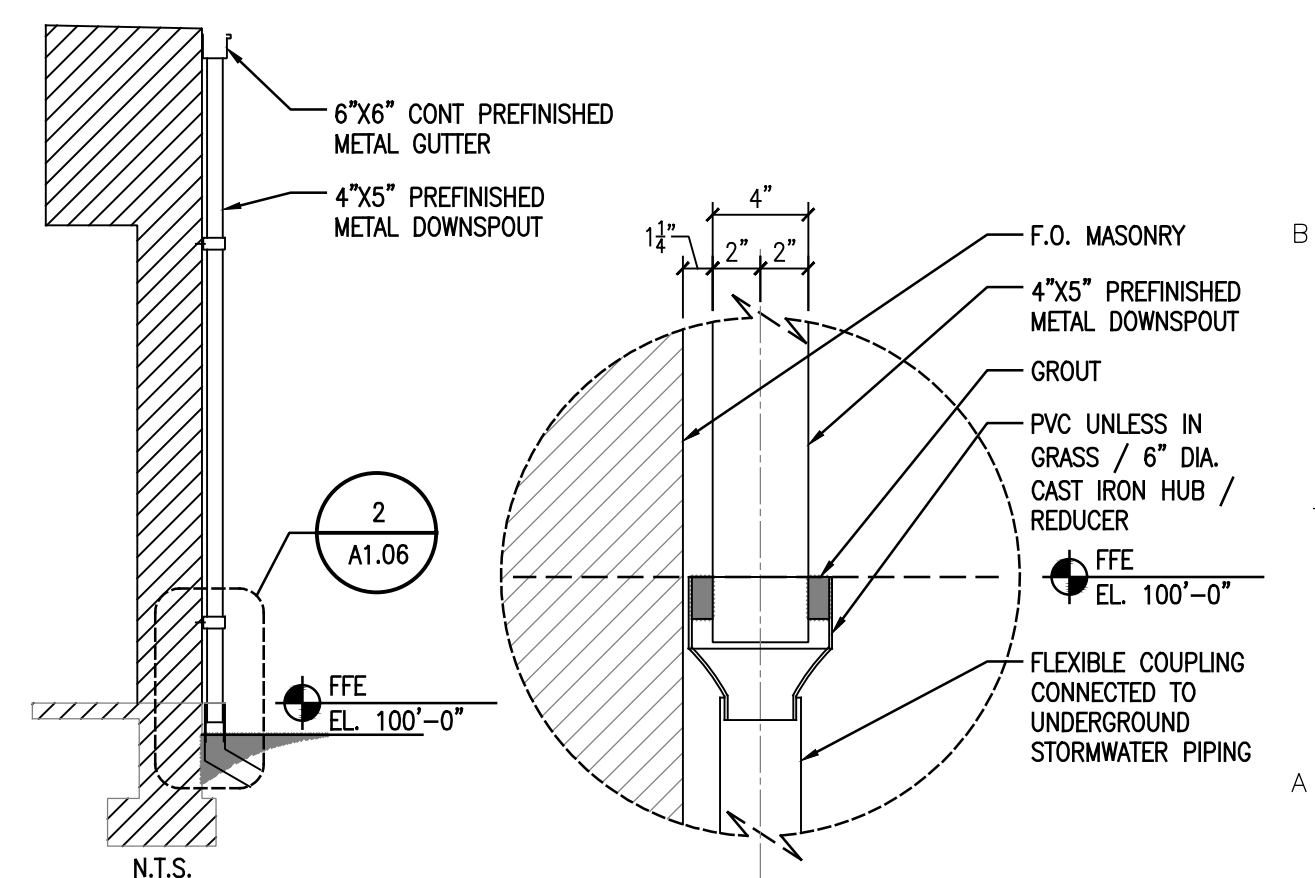
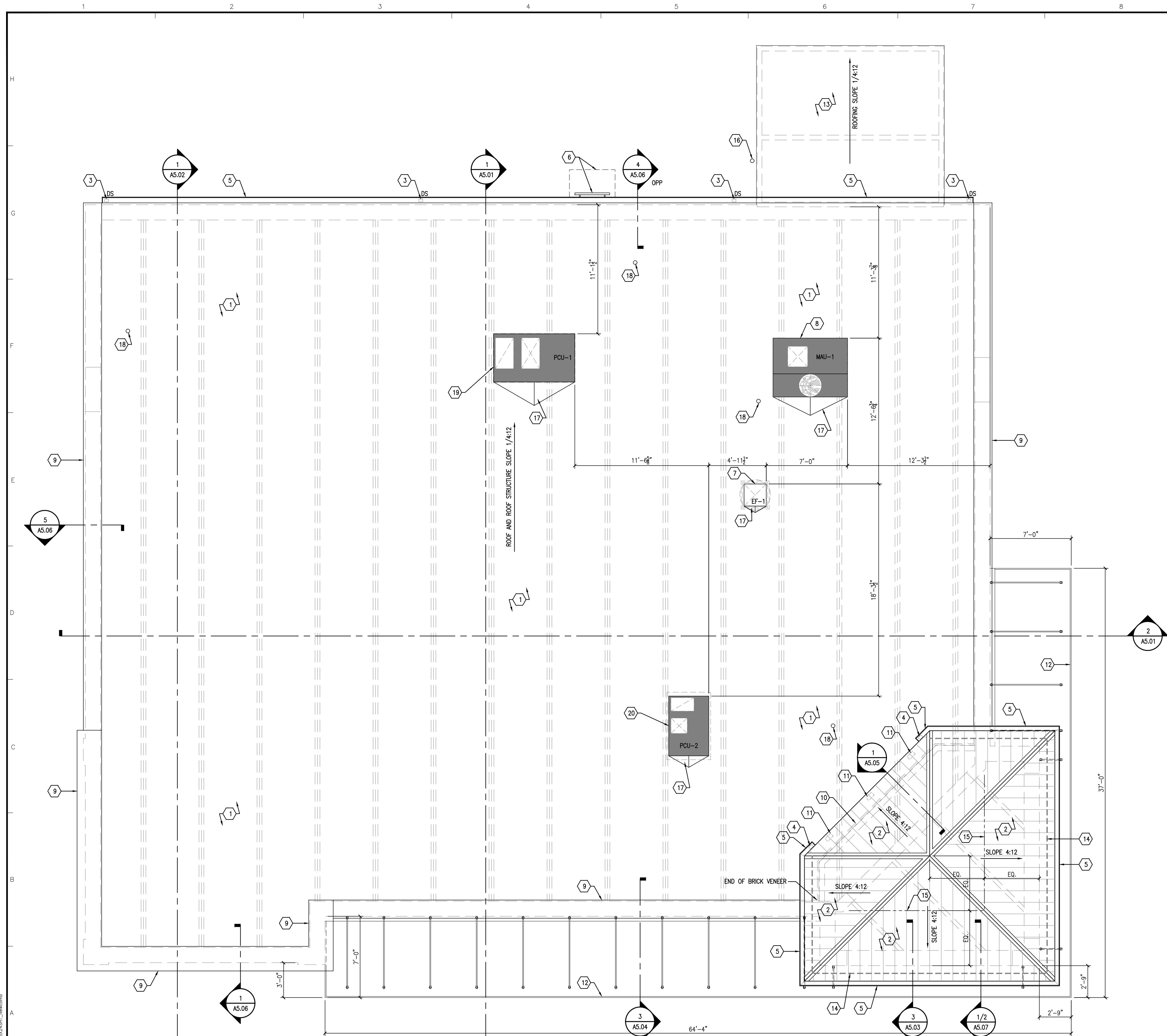
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**A1.06**



**2 DOWNSPOUT DETAIL**  
1 1/2" = 1'-0"

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









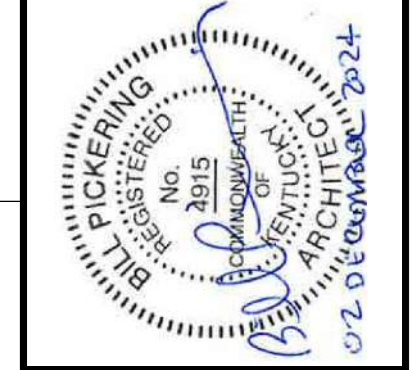
**GENERAL NOTES**

REFER TO SHEETS A1.01 AND A2.01 'GENERAL NOTES'  
REFER TO SHEET A2.01 'EXTERIOR FINISH SCHEDULE'

**CMW**  
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**INTERIOR ELEVATIONS**  
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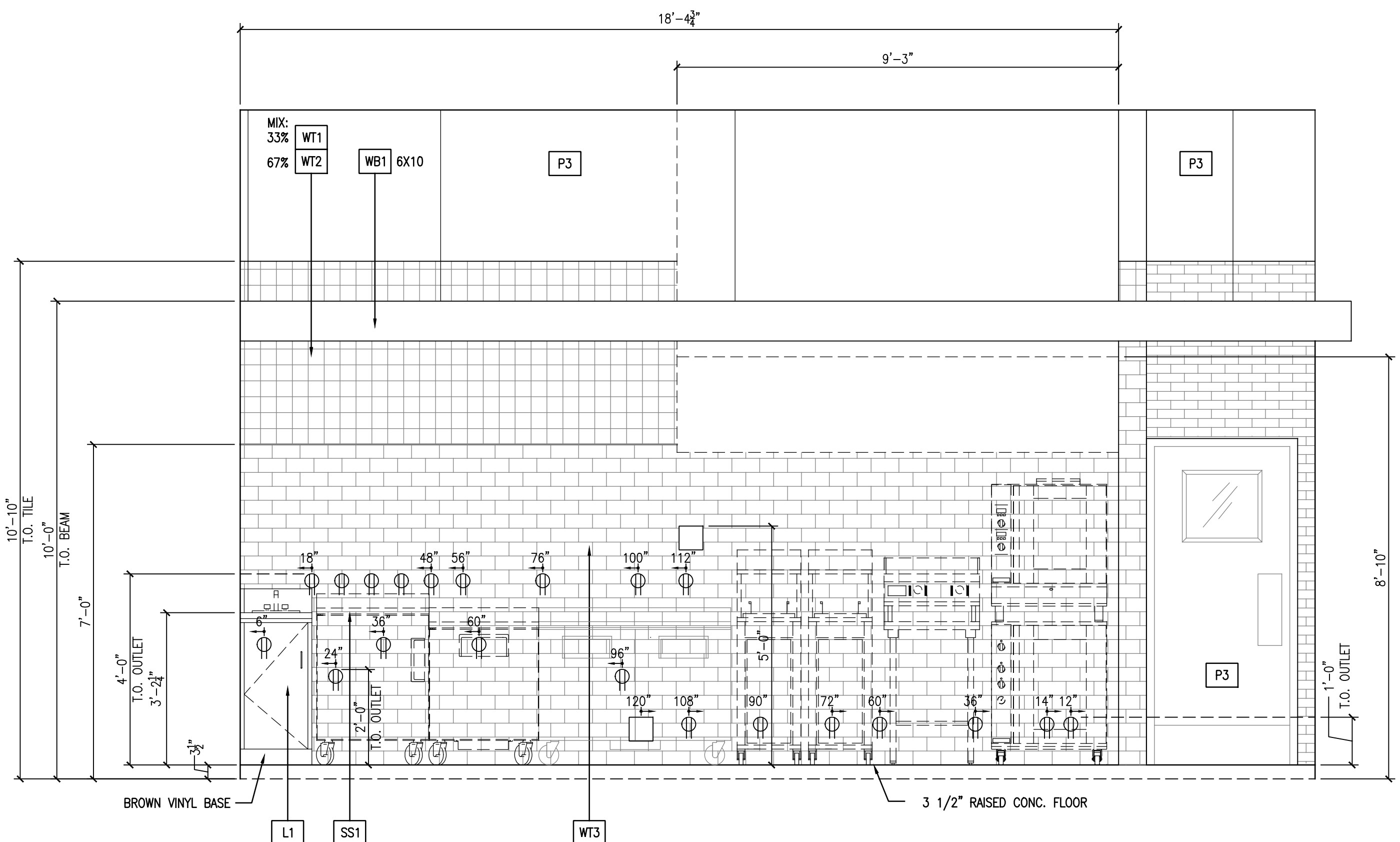
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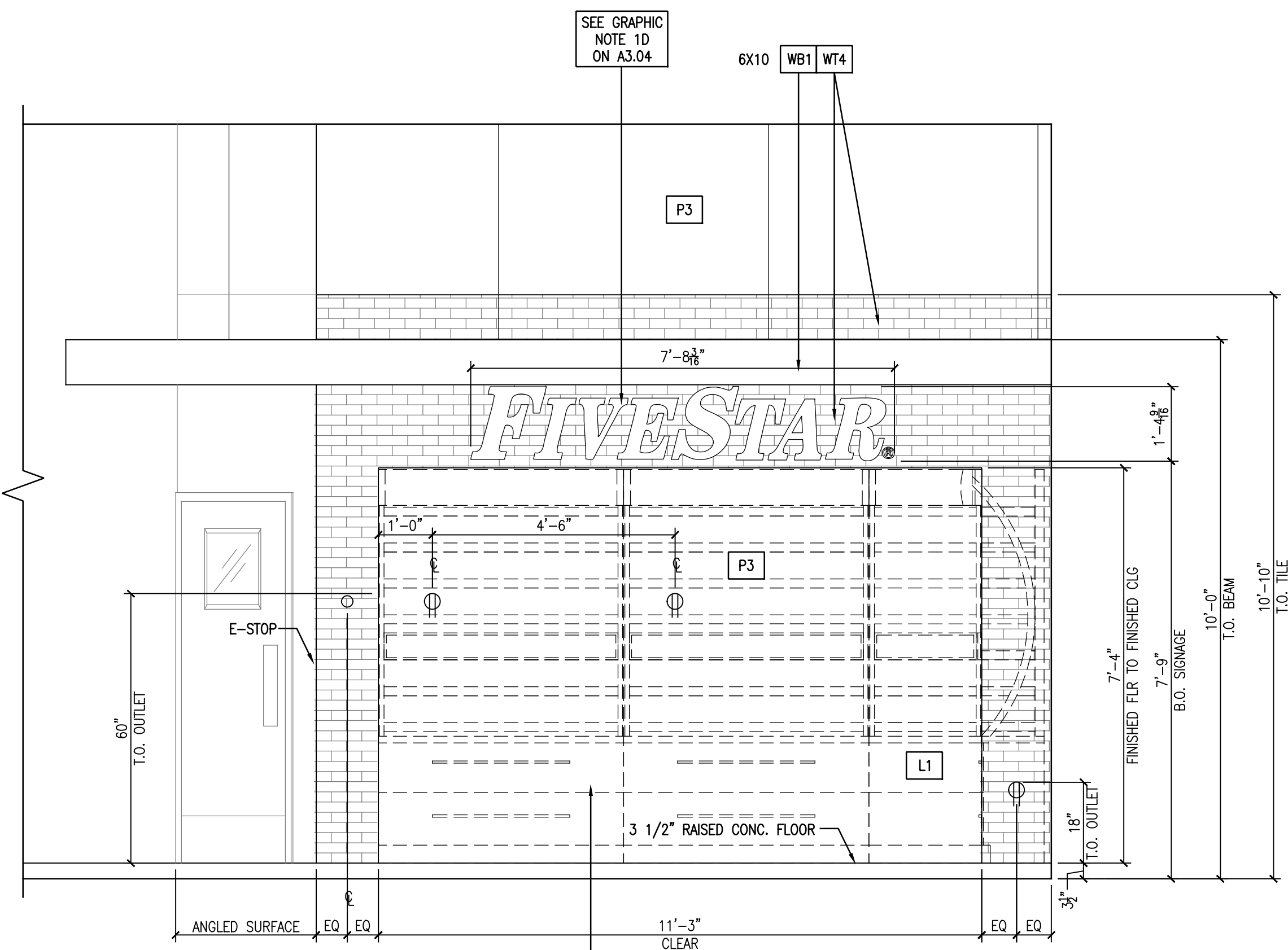
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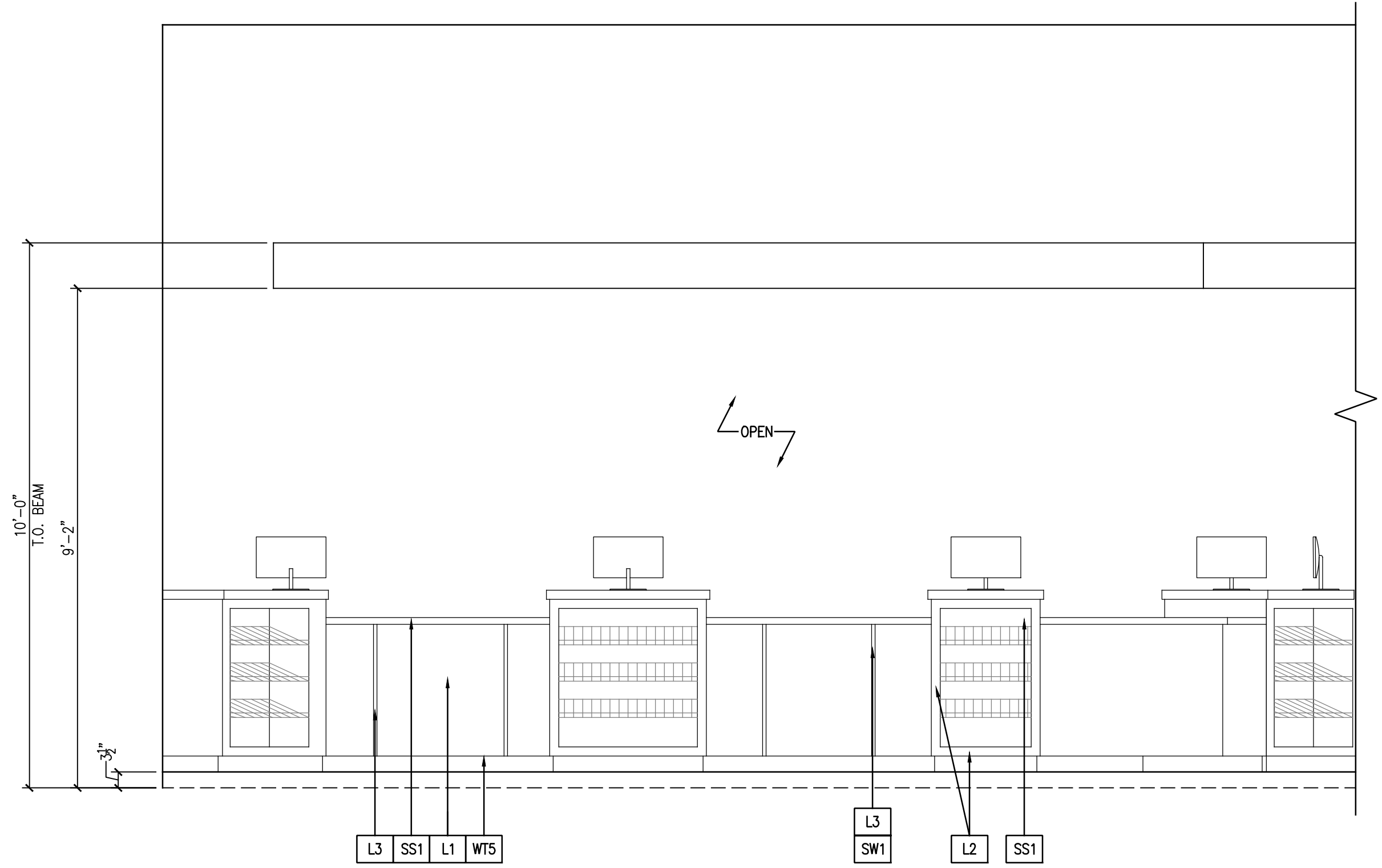
**A2.03**



**1** INTERIOR ELEVATION  
A2.03 1/2" = 1'-0"

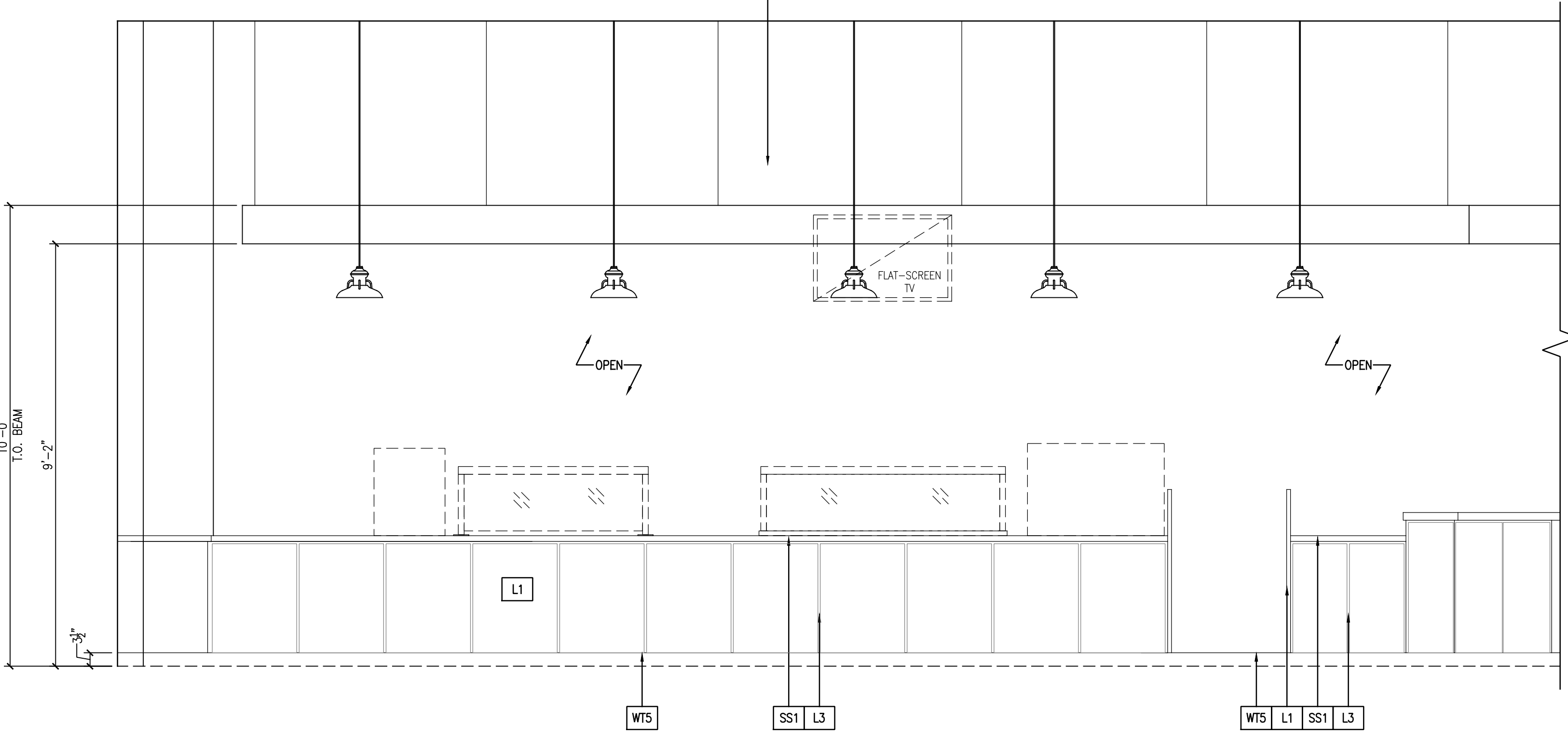


**2** INTERIOR ELEVATION  
A2.03 1/2" = 1'-0"



**3** INTERIOR ELEVATION  
A2.03 1/2" = 1'-0"

FOR REFERENCE ONLY - SEE FLOOR PLAN FOR NEW LAYOUT



**4** INTERIOR ELEVATION  
A2.03 1/2" = 1'-0"

FOR REFERENCE ONLY - SEE FLOOR PLAN FOR NEW LAYOUT

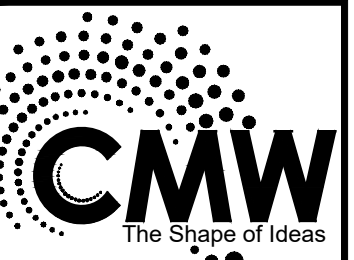


# GENERAL NOTES

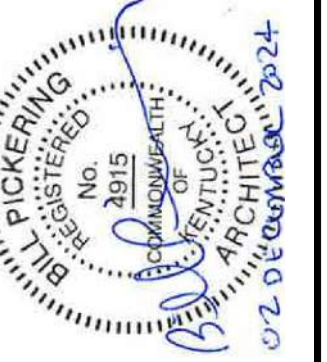
REFER TO SHEETS A1.01 AND A2.01 "GENERAL NOTES"  
REFER TO SHEET A2.01 "EXTERIOR FINISH SCHEDULE"

# SHEET KEYNOTES

- CENTER TILE LAYOUT ON WALL, NO EDGE TILE SMALLER THAN 1-1/2" WIDE
- MAINTAIN A 12" CLEARANCE HERE PRIOR TO INSTALLING A EGRESS EMERGENCY LIGHT



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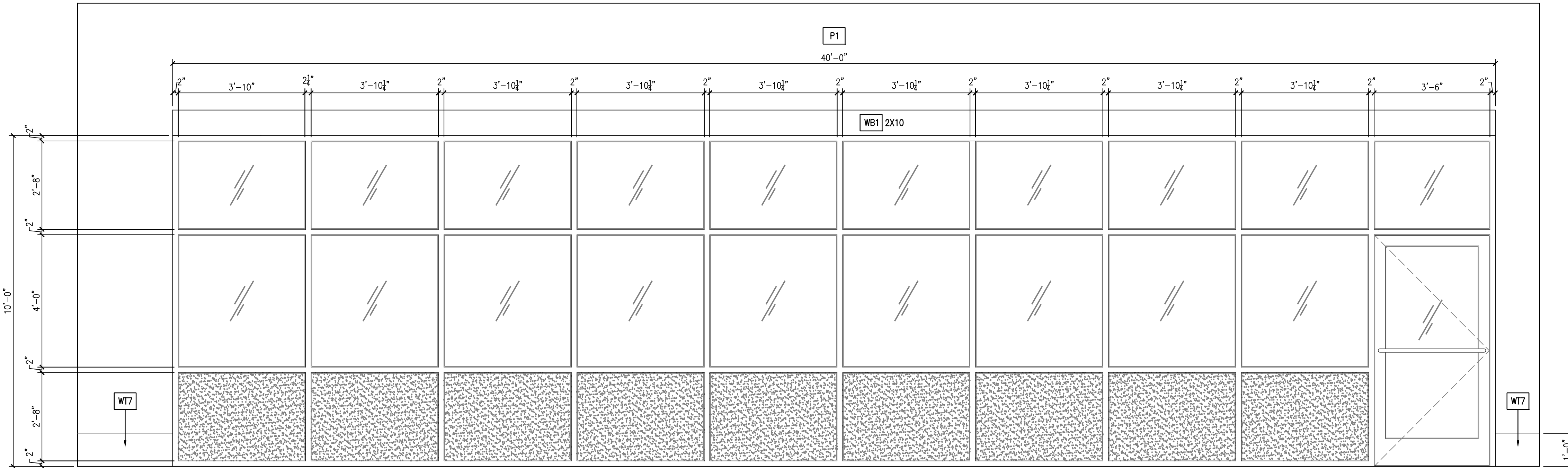
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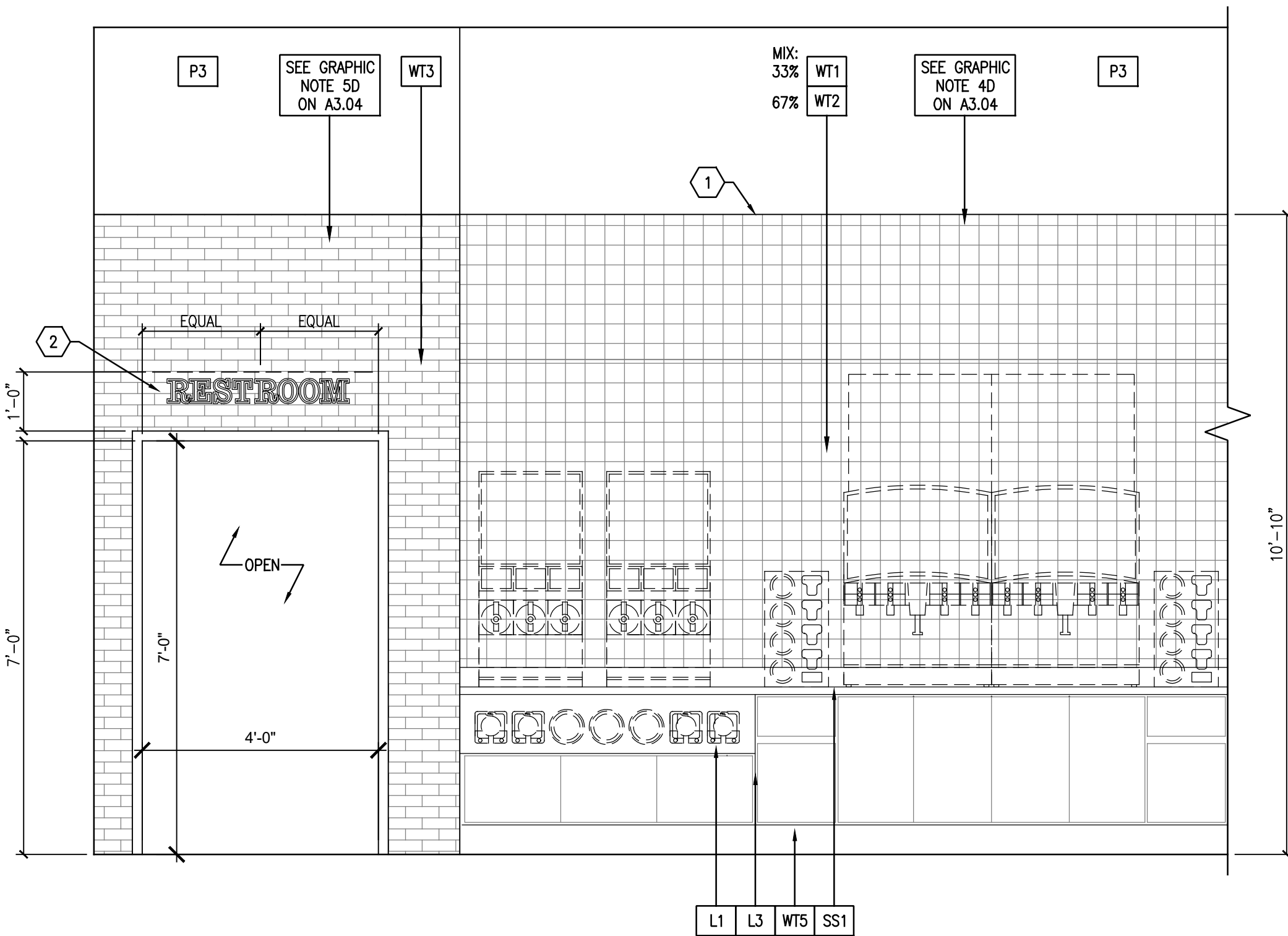
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**A2.04**

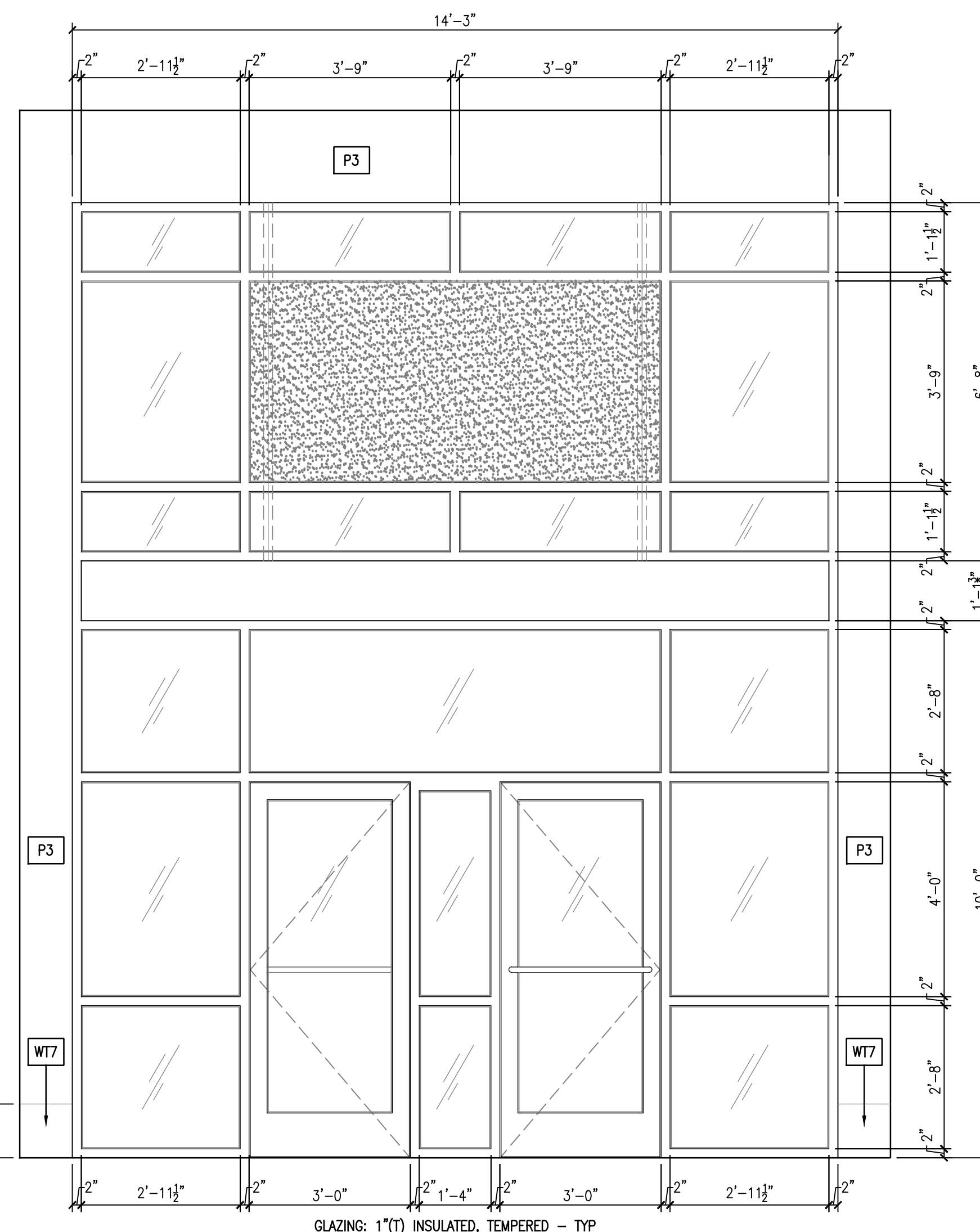


GLAZING: 1"(T) INSULATED, TEMPERED - TYP

**1**  
A2.04  
INTERIOR ELEVATION  
1/2" = 1'-0"

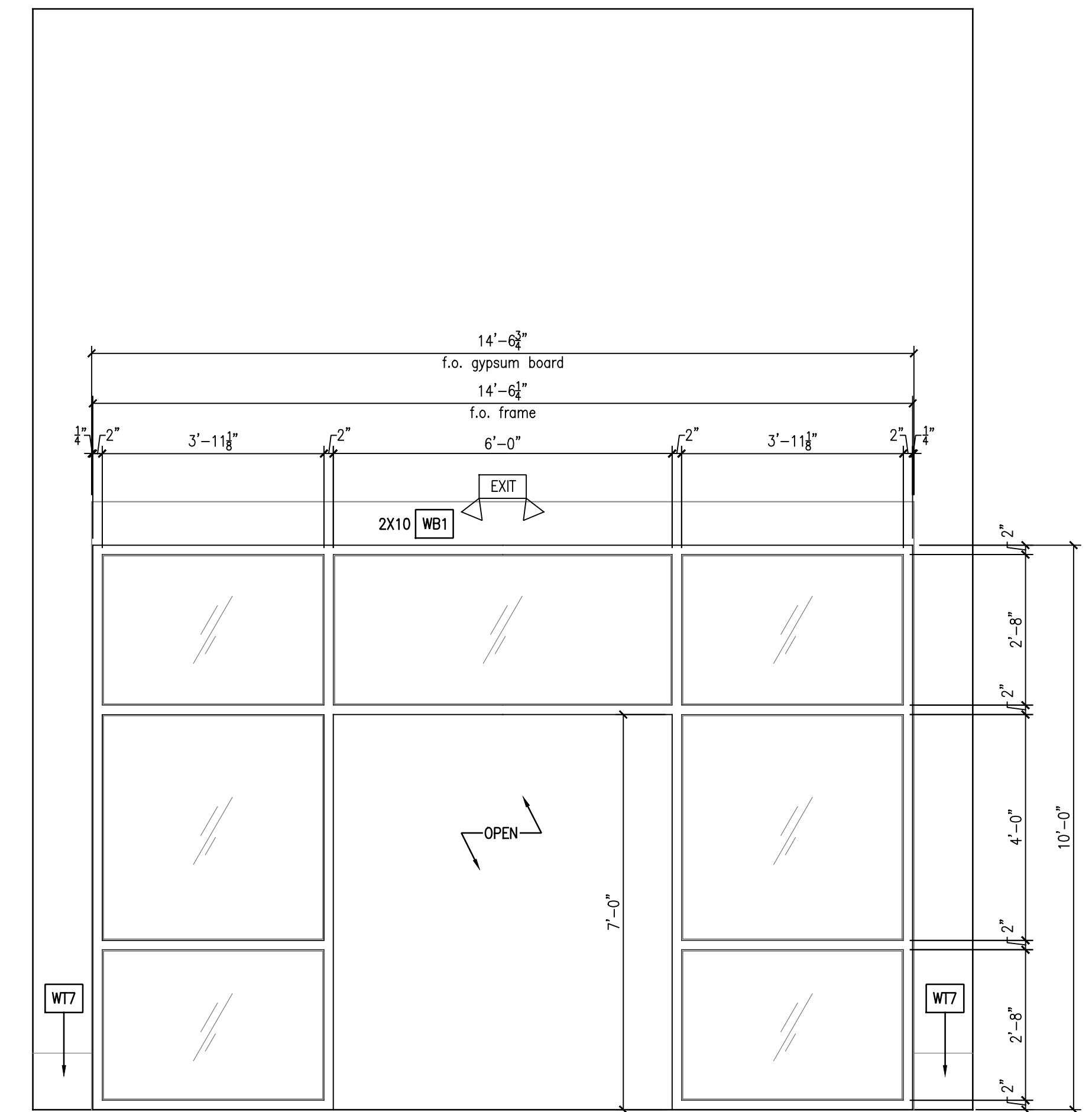


**2**  
A2.04  
INTERIOR ELEVATION  
1/2" = 1'-0"



GLAZING: 1"(T) INSULATED, TEMPERED - TYP

**3**  
A2.04  
INTERIOR ELEVATION  
1/2" = 1'-0"



GLAZING: 1"(T) INSULATED, TEMPERED - TYP

**4**  
A2.04  
INTERIOR ELEVATION  
1/2" = 1'-0"



# GENERAL NOTES

REFER TO SHEETS A1.01 AND A2.01 "GENERAL NOTES"  
REFER TO SHEET A2.01 "EXTERIOR FINISH SCHEDULE"

# SHEET KEYNOTES

1. PROVIDE AND INSTALL RONDEC MTL TRIM AT TOP OF LOWER TILE, TYP.
2. 36"(H) X 36"(W) MIRROR W/ 2" STAINLESS STEEL FRAME
3. HOLD BOTTOM OF DIVIDER WALL 12" ABOVE FLOOR AND TILE BOTTOM
4. OWNER FURNISHED AND OWNER INSTALLED (O.F.O.I.) SURFACE-MOUNTED TOILET PAPER DISPENSER - REFER TO ADA REQUIREMENTS DETAILS
5. EDGE STONE SHALL BE CUT CORNER STONES
6. 2X10 CEDAR OVER 2X6 PINE. PAINT BOTTOM PINE REVEAL. 2X6 SHALL BUTT TO FULL TILE. REFER TO DETAIL 6/A-552.
7. MITER END OF 2X10 AND RETURN TO WALL
8. INSULATE / COVER WATER SUPPLY AND DRAIN PIPES BENEATH LAVATORY PER ADA REQUIREMENTS
9. PROVIDE WOOD BLOCKING @ WALL BEHIND VANITY FROM T.O. CONCRETE FLOOR TO T.O. FAUCET - TYP.

Architecture  
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a: 249 East Main Street  
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Lexington, Kentucky 40507  
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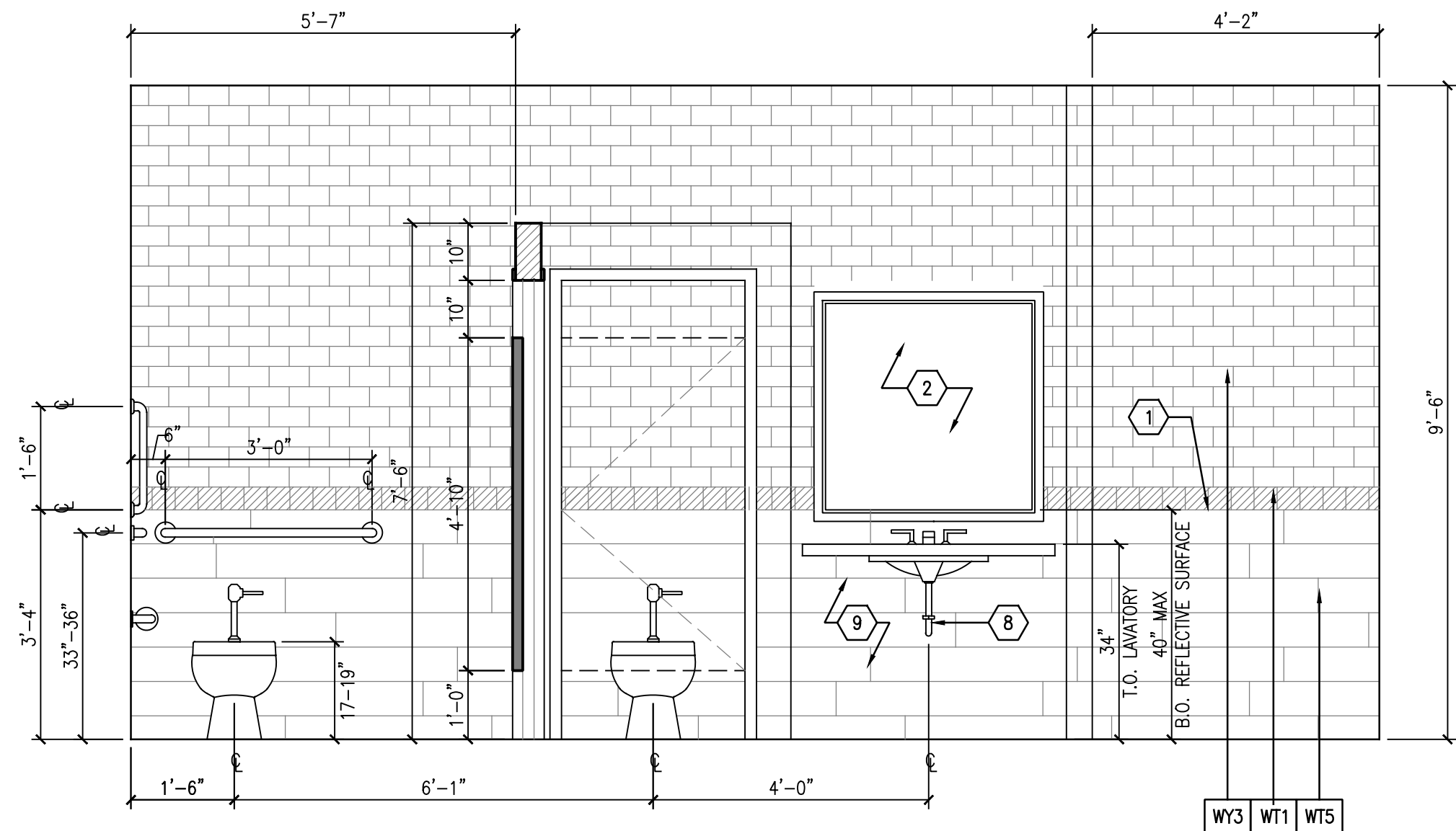
**INTERIOR ELEVATIONS**  
FiveStar - #5546 Lawrenceburg  
NEWCOMB OIL CO., LLC  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

CONSTRUCTION DOCUMENTS

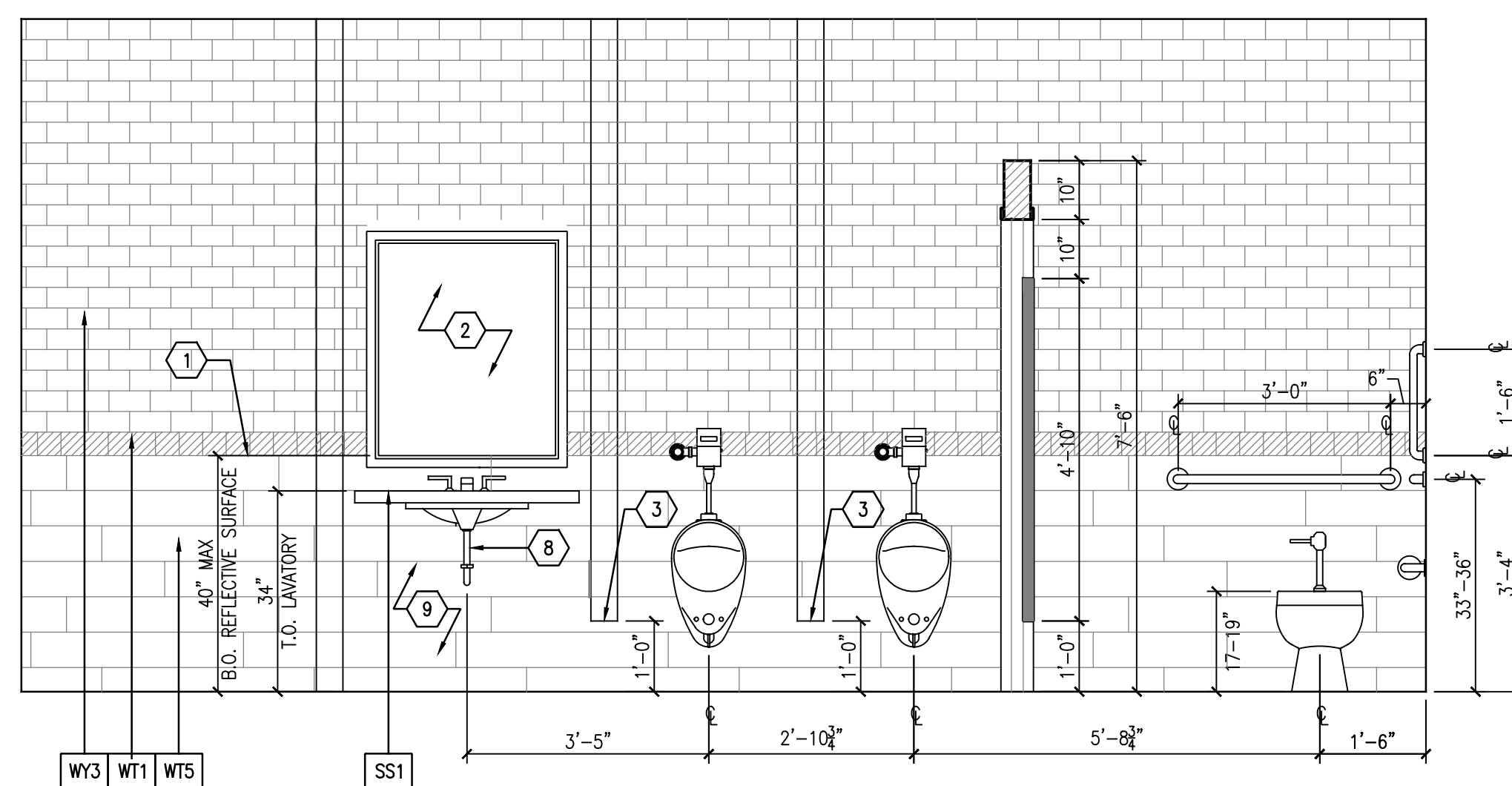
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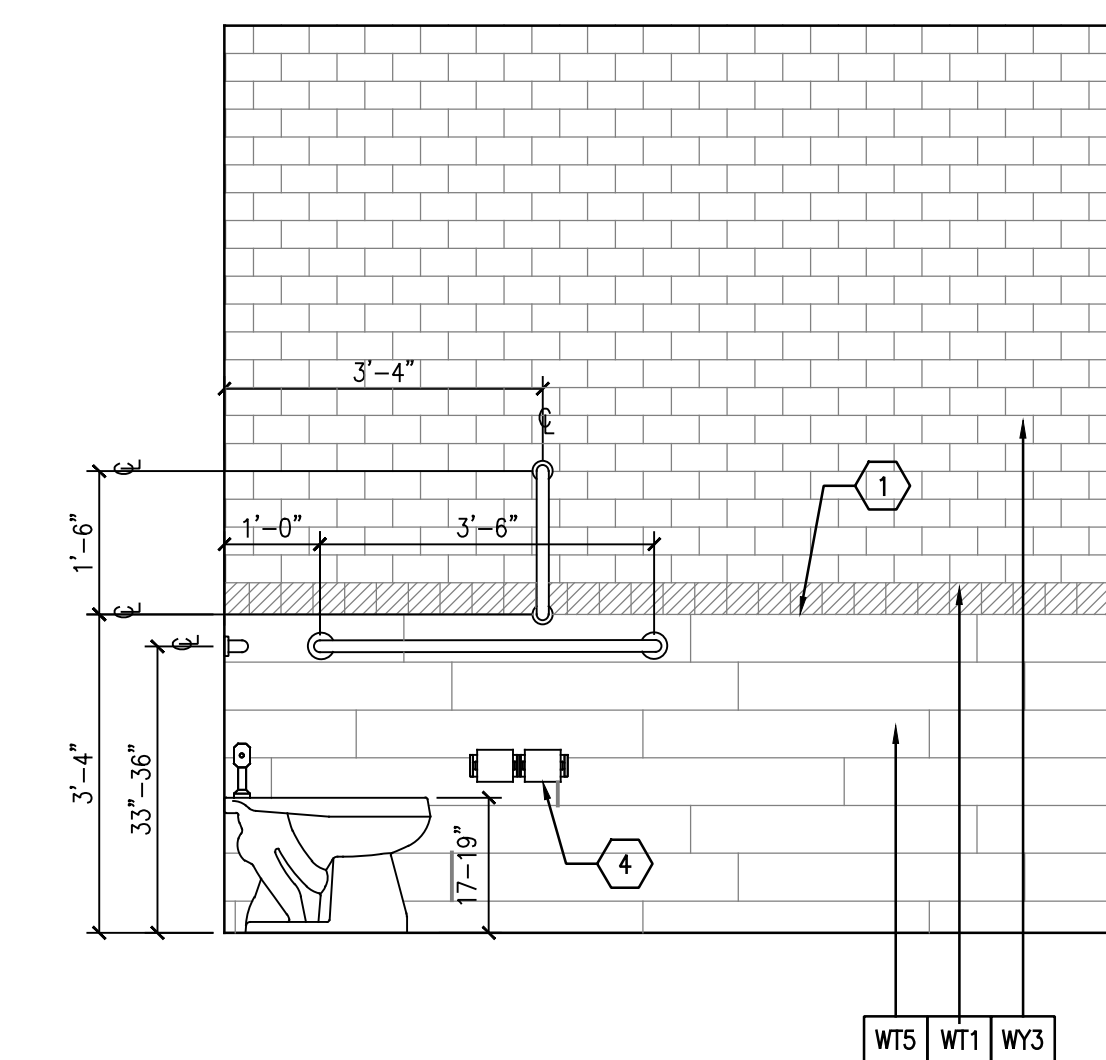
**A2.05**



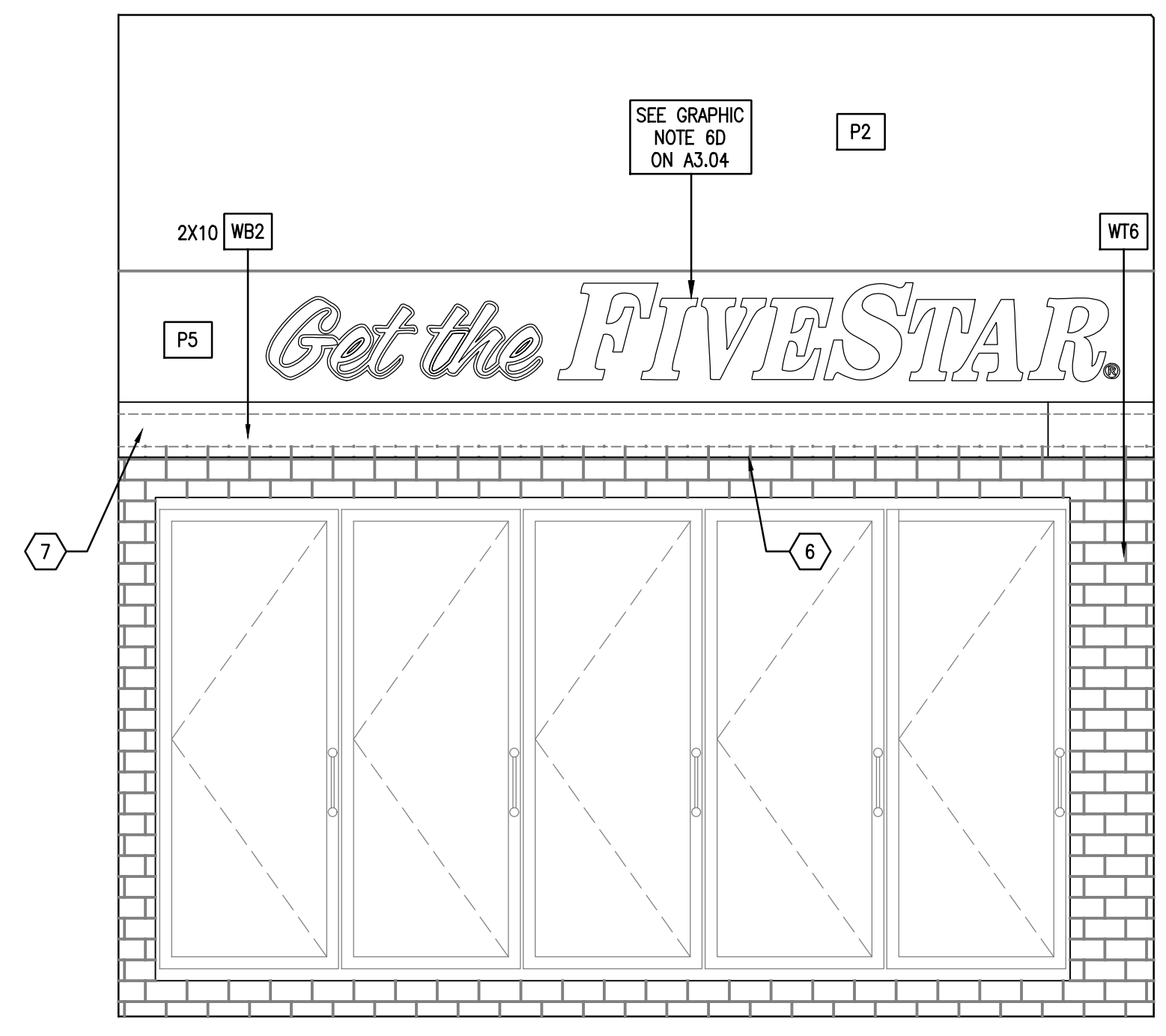
**1** INTERIOR ELEVATION  
A2.05 1/2" = 1'-0"



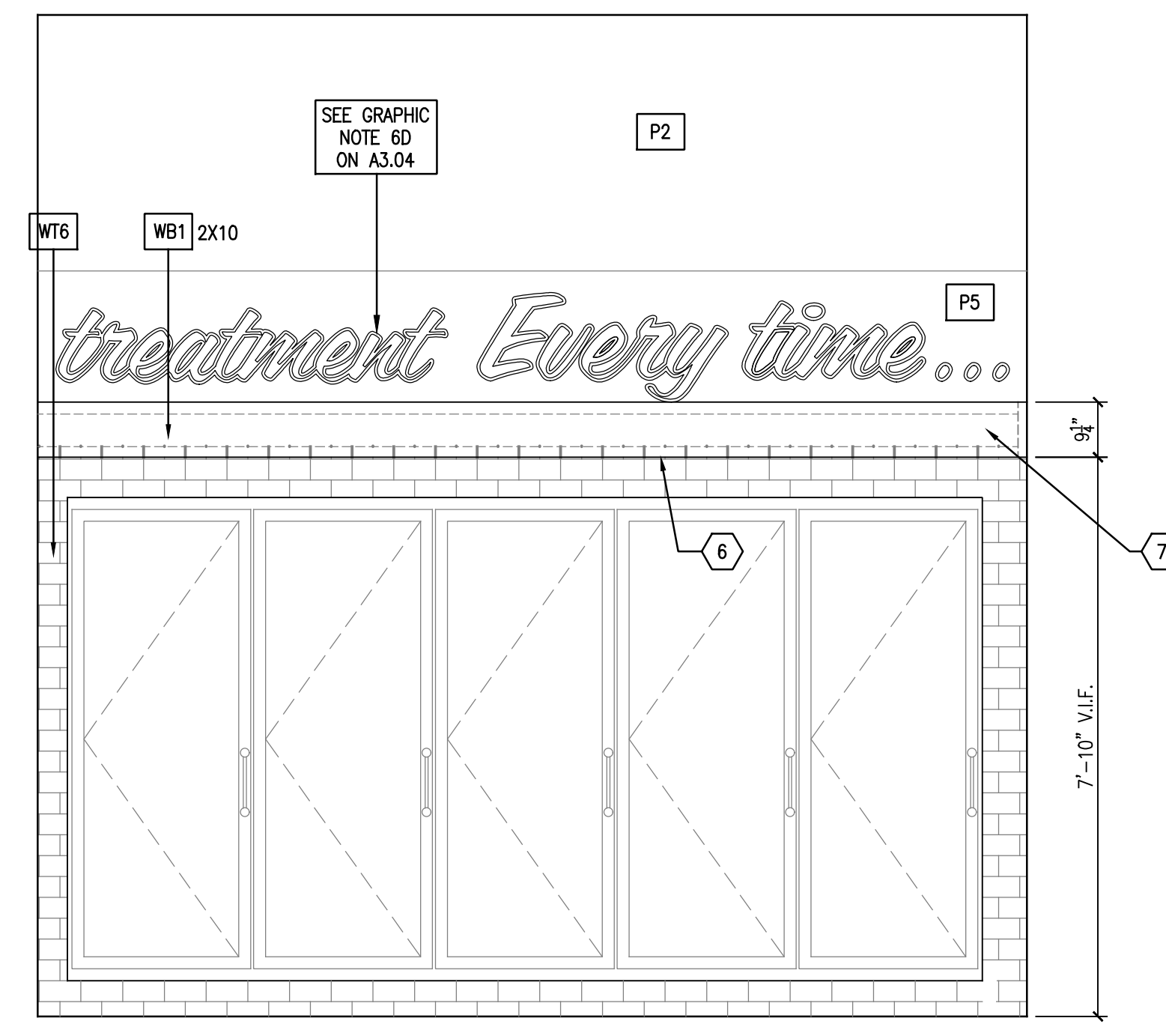
**2** INTERIOR ELEVATION  
A2.05 1/2" = 1'-0"



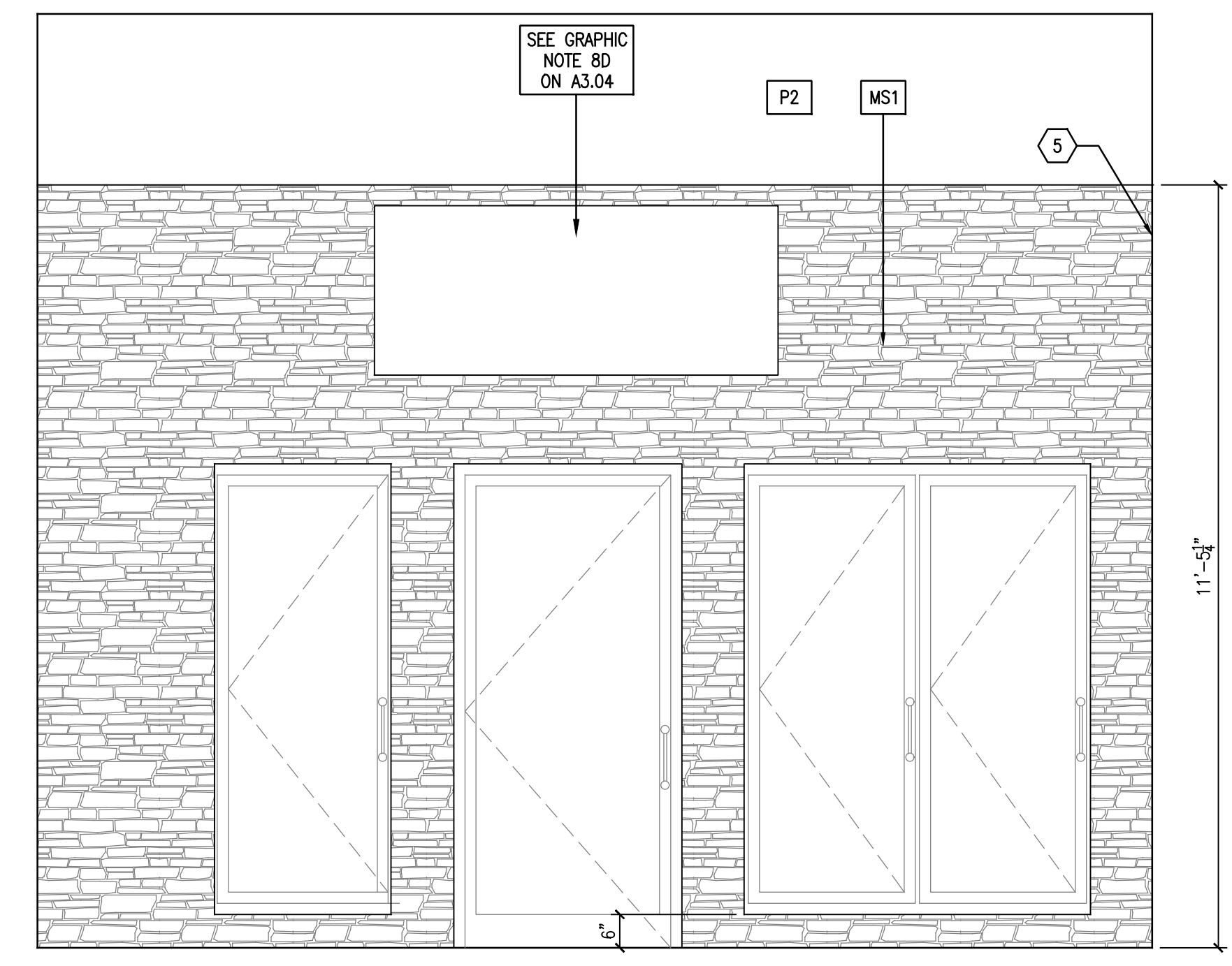
**3** INTERIOR ELEVATION  
A2.05 1/2" = 1'-0"



**4** INTERIOR ELEVATION  
A2.05 1/2" = 1'-0"



**5** INTERIOR ELEVATION  
A2.05 1/2" = 1'-0"

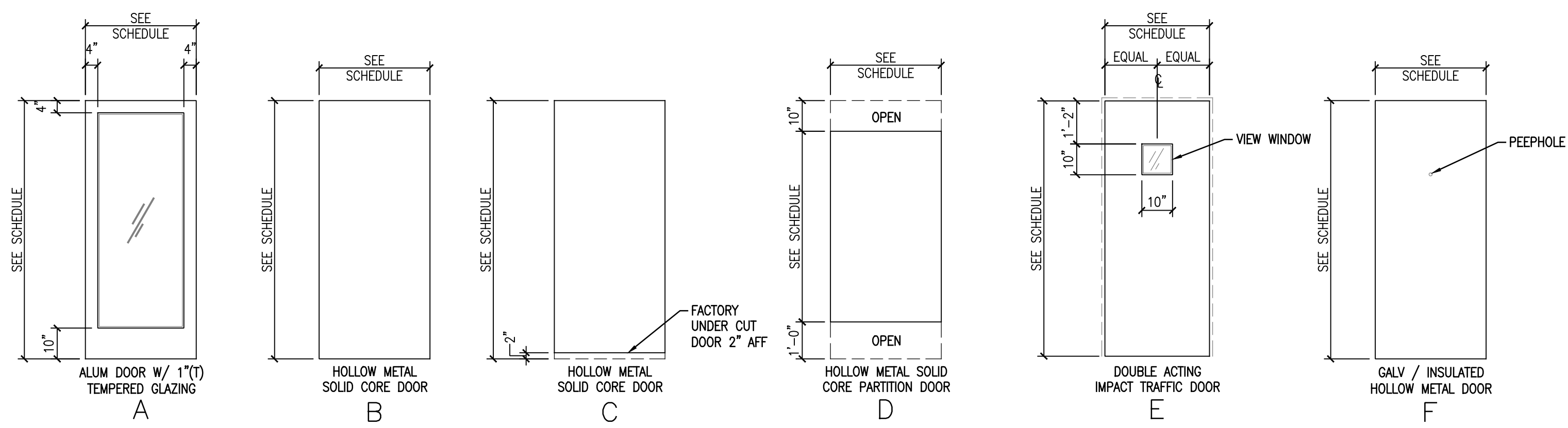


**6** INTERIOR ELEVATION  
A2.05 1/2" = 1'-0"

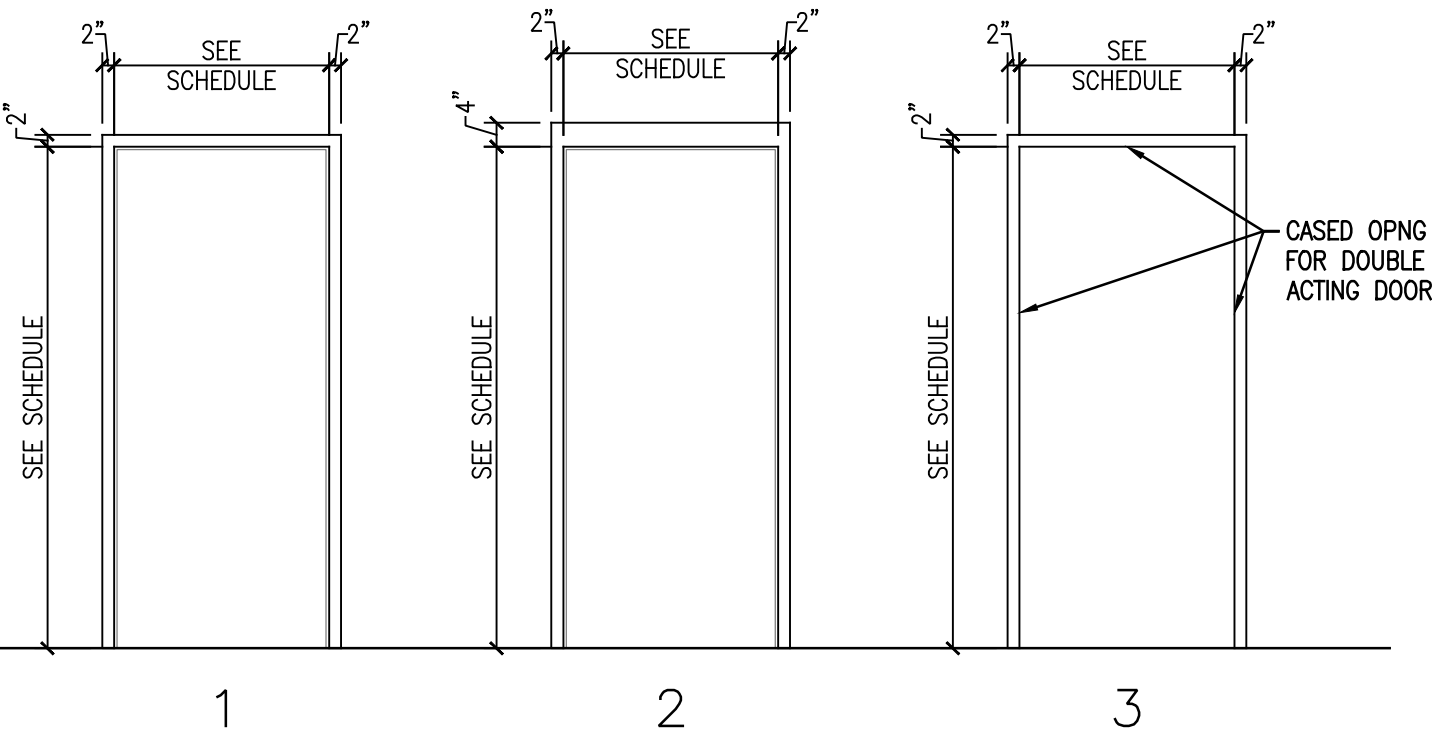




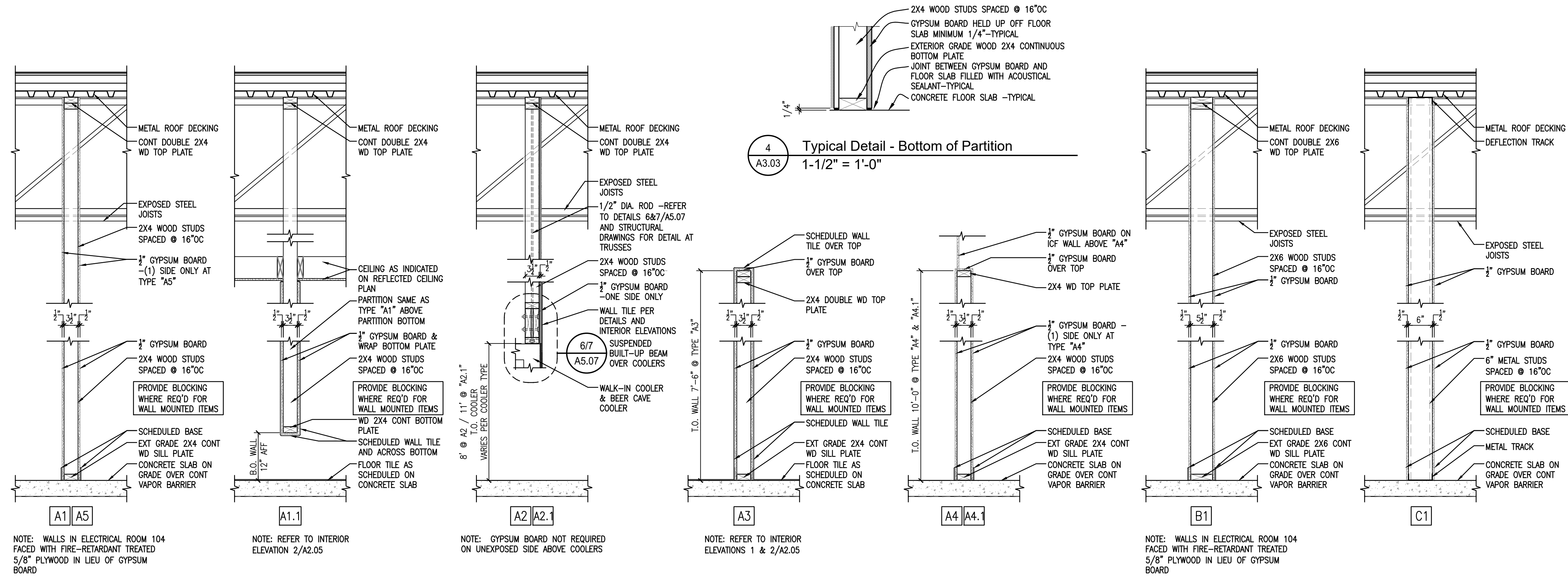




2 DOOR ELEVATIONS  
A3.03 3/8" = 1'-0"



3 DOOR ELEVATIONS  
A3.03 3/8" = 1'-0"



1 PARTITION DETAILS  
A3.03 3/4" = 1'-0"

DOOR AND FRAME SCHEDULE

DOOR NO.	ROOM NO.	SIZE	DOORS				FRAMES				DETAILS				RATING	HWDR. SET	REMARKS	DOOR NO.
			MATERIAL	TYPE	CORE	FINISH	MATERIAL	TYPE	FINISH	DEPTH	HEAD	JAMB	SILL					
101	101 VESTIBULE	3'-0" x 7'-0" x 1 3/4"	ALUM	A	-	ANOD	ALUM	3/4x2.04	ANOD	4 1/2"	-	-	-	-	-	-	1; 15; 18	101
102	102 VESTIBULE	3'-0" x 7'-0" x 1 3/4"	ALUM	A	-	ANOD	ALUM	3/4x2.04	ANOD	4 1/2"	-	-	-	-	-	-	2; 15; 18	102
103	103 VESTIBULE	3'-0" x 7'-0" x 1 3/4"	ALUM	A	-	ANOD	ALUM	3/4x2.04	ANOD	4 1/2"	-	-	-	-	-	-	1; 15; 18	103
104	104 VESTIBULE	3'-0" x 7'-0" x 1 3/4"	ALUM	A	-	ANOD	ALUM	3/4x2.04	ANOD	4 1/2"	-	-	-	-	-	-	2; 15; 18	104
105	105 SALES	3'-6" x 7'-0" x 1 3/4"	ALUM	A	-	ANOD	ALUM	1/4x2.04	ANOD	4 1/2"	-	-	-	-	-	-	-	105
-	-	NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
107	107 DELI	3'-0" x 7'-0" CASED OPENING	ALUM	E	-	ANOD	HM	5	PT	5 1/2"	-	-	-	-	-	-	4	107
108	108 DELI	3'-0" x 7'-0" CASED OPENING	ALUM	E	-	ANOD	HM	5	PT	5 1/2"	-	-	-	-	-	-	4	108
109	109 OFFICE	3'-0" x 7'-0" x 1 3/4"	HM	B	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	-	5; 16	109
110	110 OFFICE CLOSET	2'-0" x 7'-0" x 1 3/4"	HM	B	-	PT	HM	2	PT	5 1/2"	-	-	-	-	-	-	TRILGY 6; 17	110
111	111 ELECTRICAL ROOM	3'-0" x 7'-0" x 1 3/4"	HM	C	-	PT	HM	1	PT	5 5/8"	-	-	-	-	-	-	7	111
112	112 HALLWAY	3'-0" x 7'-0" x 1 3/4"	HM	B	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	-	TRILGY 8	112
113	113 WOMENS RESTROOM	2'-4" x 6'-8" x 1 3/4"	HM	D	-	PT	HM	4	PT	5 1/2"	-	-	-	-	-	-	9	113
114	114 WOMENS RESTROOM	3'-0" x 7'-0" x 1 3/4"	HM	D	-	PT	HM	3	PT	5 1/2"	-	-	-	-	-	-	10	114
115	115 CLOSET	3'-0" x 7'-0" x 1 3/4"	HM	B	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	-	11; 16	115
116	116 MENS RESTROOM	3'-0" x 6'-8" x 1 3/4"	HM	D	-	PT	HM	3	PT	5 1/2"	-	-	-	-	-	-	10	116
117	117 STORAGE	3'-0" x 7'-0" x 1 3/4"	HM	B	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	-	12	117
118	118 STORAGE	3'-6" x 7'-0" x 1 3/4"	GALV HM	F	INSUL	PT	GALV HM	1A	PT	-	-	-	-	-	-	-	13; 14	118
119	119 DISHWASHING	3'-6" x 7'-0" x 1 3/4"	GALV HM	F	INSUL	PT	GALV HM	6	PT	-	-	-	-	-	-	-	13	119

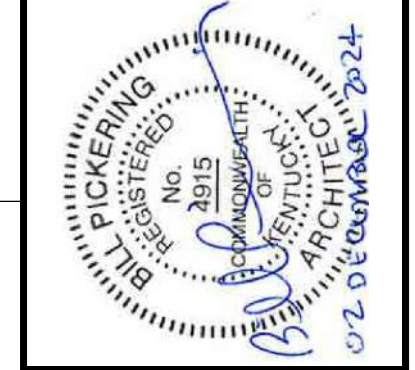
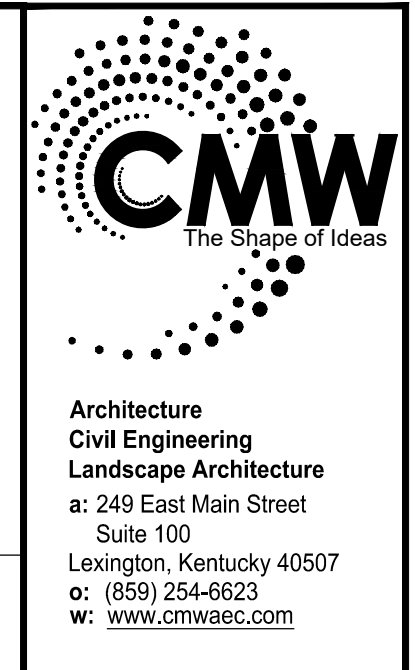
- DOOR AND FRAME SCHEDULE REMARKS:
- HARDWARE BY DOOR MANF - CLEAR ANODIZED ALUMINUM PUSH BAR ON PUSH SIDE OF "OUT DOOR" - REFER TO NOTES FOR ADDITIONAL HARDWARE
  - HARDWARE BY DOOR MANF - CLEAR ANODIZED ALUMINUM PUSH BAR ON PUSH SIDE OF "IN DOOR" - REFER TO NOTES FOR ADDITIONAL HARDWARE
  - HARDWARE BY DOOR MANF - CLEAR ANODIZED ALUMINUM PANIC DEVICE - REFER TO NOTES FOR ADDITIONAL HARDWARE
  - ELIASON DOOR
  - LEVER, TRILGY LOCK, HINGES, WALL STOP
  - LEVER, LOCK, PICK GUARD, HINGES, WALL STOP, UNDERCUT DOOR 1"
  - PANIC DEVICE, HINGES, CLOSER INSIDE, FLOOR STOP
  - LEVER, LOCK, HINGES, CLOSER INSIDE, WALL STOP, FULL HEIGHT AND WIDTH STAINLESS STEEL DOOR PROTECTION PLATE ON PUSH SIDE
  - OCCUPIED / UNOCCUPIED DEADBOLT, PUSH / PULL DRILLED TO ACCOMMODATED DEADBOLT, HINGES
  - OCCUPIED / UNOCCUPIED DEADBOLT, PUSH / PULL DRILLED TO ACCOMMODATED DEADBOLT, (1) HINGE, (1) SPRING HINGE
  - PASSAGE LEVER SET, HINGES, CLOSER WITH 90 DEG STOP AND MOUNTED INSIDE CLOSET
  - PULL, CLOSER INSIDE, HINGES, CLOSER STOP AT 110 DEG, FULL HEIGHT AND WIDTH STAINLESS STEEL DOOR PROTECTION PLATE ON PUSH SIDE
  - GALVANIZED, INSULATED, PANIC DEVICE (NO HARDWARE ON OUTSIDE), SCREW ON WEATHER STRIPPING & SWEEP, THRESHOLD, PEEP HOLE, HINGES, CLOSER, 4" HEAD
  - DOOR 118 SHALL HAVE A THRESHOLD, PEEP HOLE, PICK GUARD AND WEATHER STRIPPING
  - 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
  - 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 (ROUTED SOLID), WEATHER STRIP, & BOTTOM RAIL SWEEP. REFER TO SCHEDULE FOR PUSH BARS AND PANIC DEVICE. NO PULLS ON ALUM DOORS.

Door & Frame Schedule General Notes

- GLASS SHALL BE TEMPERED WHERE REQUIRED BY CODE
- VERIFY ALL WALL DEPTHS, REQUIRED FRAME DEPTHS AND FRAME DIMENSIONS IN THE FIELD
- ALL DOORS SHALL HAVE 3 HINGES EXCEPT FOR ENTRANCE DOORS, REFER TO NOTES BELOW
- ALL HINGES ARE BALL BEARING
- ALL CLOSURES ARE MEDIUM DUTY
- ALL LEVER SETS ARE MEDIUM DUTY
- DOOR HARDWARE SHALL MEET HANDICAP REQUIREMENTS
- ALL DOORS SHALL HAVE DOOR SILENCERS AND DOOR STOPS INCLUDING RESTROOM STALL DOORS.
- 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"
- CLOSERS ON DOORS INTO STORAGE AND RESTROOMS SHALL BE INSTALLED ON STORAGE AND RESTROOM SIDE SO THAT THEY ARE NOT VISIBLE FROM THE HALLWAY.

General Notes

- REFER TO SHEETS A1.01 AND A2.01 'GENERAL NOTES'
- REFER TO SHEET A2.01 'EXTERIOR FINISH SCHEDULE'



DOOR AND FRAME SCHEDULE  
FiveStar - #5546 Lawrenceburg  
NEWCOMB OIL CO., LLC  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

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**INTERIOR FINISH SCHEDULE**

CODE	DESCRIPTION / LABEL	AREA / SUBSTRATE	COLOR	PRODUCT # / SERIES	MANF	CONTACT
FRP-1	MARLITE AT 10'-0"	WALL COVERING	STANDARD COLOR	-	MARLITE	-
L1	PLASTIC LAMINATE ARTISAN FINISH	-	6206-43	PLANKED DELUXE PEAR	FORMICA	1,800.FORMICA
L2	PLASTIC LAMINATE CASHMERE FINISH	-	P-260 CA	TATAMI SABI	ARBORITE	800.361.8712
L3	PLASTIC LAMINATE CASHMERE FINISH	-	P-354 CA	TATAMI KOKOA	ARBORITE	800.361.8712
MS1	MANUFACTURED STONE VENEER	-	DRY CREEK	STACKED STONE	ELDORADO STONE	800.925.1491
P1	SUPERPAINT INT. LATEX SATIN / PRIMER	SALES FLR. & STORAGE ROOM WALLS / DRY WALL	SW7506 LOGGA	A87W01151	SHERWIN WILLIAMS	-
P2	SUPERPAINT INT. LATEX SATIN / PRIMER	ACCENT ABOVE COOLER WALL / DRY WALL	SW6221 MOODY BLUE	A87W01153	SHERWIN WILLIAMS	-
P3	SUPERPAINT INT. LATEX SATIN / PRIMER	FRONT DOOR WALL / DRY WALL	SW7598 SIERRA REDWOOD	A87W01153	SHERWIN WILLIAMS	-
P4	PRO INDUSTRIAL URETHANE ALKYD ENAMEL GLOSS / FINISH	DOOR JAMBS / STEEL	SW7515 HOMESTEAD BROWN	B53T01154	SHERWIN WILLIAMS	-
P5	SUPERPAINT INT. LATEX SATIN / PRIMER	ABOVE WALK-IN COOLER / DRY WALL	SW6356 ALCHEMY	A87W01153	SHERWIN WILLIAMS	-
P6	PRO INDUSTRIAL URETHANE ALKYD ENAMEL GLOSS / FINISH	EXTERIOR METAL DOORS / STEEL	SW7598 SIERRA REDWOOD	B54T01154	SHERWIN WILLIAMS	-
P7	CHB INTERIOR LATEX FLAT	CEILING DRY WALL	WHITE	B30WC4051	SHERWIN WILLIAMS	-
P8	WATERBOURNE ACRYLIC DRY FALL FLAT WHITE	CEILING OPEN AREA GALVANIZED	WHITE	B42W00181	SHERWIN WILLIAMS	-
P9	PRO INDUSTRIAL URETHANE ALKYD ENAMEL GLOSS / FINISH	BATHROOM DOORS - STALL	SW7598 SIERRA REDWOOD	B54T01154	SHERWIN WILLIAMS	-
P10	PRO INDUSTRIAL URETHANE ALKYD PRIMER	A/C TRUCK LINES - PRIMER	WHITE	B66W0310	SHERWIN WILLIAMS	-
P11	PRO INDUSTRIAL URETHANE ALKYD ENAMEL GLOSS / FINISH	A/C TRUCK LINES - FINISH	WHITE	K46W01151	SHERWIN WILLIAMS	-
SS1	1/2" SOLID SURFACING	-	SERENE SAGE	TERRA	CORIAN	800.426.7426
WB1	6 X 10, 2 X 10 & 4 X 10 WOOD BEAMS	-	CLEAR SEALER	710520000	SHERWIN WILLIAMS	BY GENERAL CONTRACTOR
WT1	4 X 4 GLAZED PORCELAIN CERAMIC TILE	WALL TILE	Q093 FIREBRICK	145 LIGHT SMOKE	DALTILE	-
WT2	4 X 4 GLAZED PORCELAIN CERAMIC TILE	WALL TILE	0190 ARCTIC WHITE	145 LIGHT SMOKE	DALTILE	-
WT3	4 X 8 GLAZED PORCELAIN CERAMIC TILE	WALL TILE	0190 MOD ARCTIC WHITE	145 LIGHT SMOKE	DALTILE	-
WT4	9/16" FRED BRCK FLATS	WALL TILE	410 LINCOLN HERITAGE	543 DRIFTWOOD	EVOLUTION BRICK	-
WT5	6 X 36 COLORBODY PORCELAIN TILE	WALL/FLOOR TILE	H03 TEAK	145 LIGHT SMOKE	DALTILE	-
WT6	4 X 8 GLAZED PORCELAIN TILE	WALL TILE	CUSTOM COLOR-QTC1481P 4x8 QTD1	09 NATURAL GREY	DALTILE	-
WT7	12 X 12 COLORBODY PORCELAIN TILE	COVE BASE TILE	VL78 ACCENT BROWN	145 LIGHT SMOKE	DALTILE	-
WT8	NOT USED	-	-	-	-	-
WT9	FINISHING & EDGE-PROTECTION PROFILES	WALLS	SATIN NICKEL / ANODIZED ALUM	DESIGNLINE 1/4"	SCHLUTER SYSTEMS	1,800.472.4588
		ALL HIGH ABUSE CORNERS W/ TILE	SATIN NICKEL / ANODIZED ALUM	RONDEC 1/4"	SCHLUTER SYSTEMS	1,800.472.4588

**GRAPHICS SCHEDULE / DESCRIPTION (OPCI)**

CODE	DESCRIPTION (REFER TO INTERIOR RENDERINGS FOR OVERALL GRAPHIC APPEARANCE)
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.
2D	NOT USED
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 THEY 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.

**GRAPHICS REMARKS:**

CONTACT PARAGON FOR ORIGINAL ARTWORK

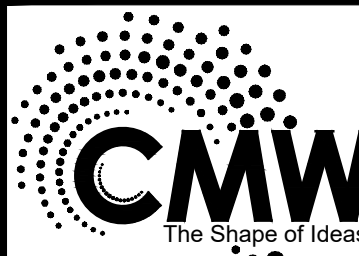
1. DETERMINE ALL GRAPHIC APPLICATIONS BY USING FIELD DIMENSIONS ONLY.
2. NO GRAPHIC SUBSTITUTIONS ARE ALLOWED WITHOUT PARAGON SOLUTIONS OR OWNERS CONSENT.
3. REVIEW ALL FINAL PRODUCTION DRAWINGS WITH PARAGON SOLUTIONS PRIOR TO PRODUCTION.
4. PROVIDE INSTALLATION COSTS UNLESS OTHERWISE NOTED.

**GENERAL NOTES**

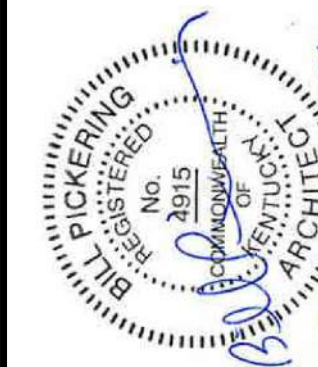
REFER TO SHEETS A1.01 AND A2.01 "GENERAL NOTES"  
REFER TO SHEET A2.01 "EXTERIOR FINISH SCHEDULE"

**INTERIOR FINISH NOTES**

1. ROUTE ALL ELECTRICAL COMPONENTS TO DECORATIVE LIGHTING OUT OF CUSTOMER'S VIEW.
2. PROVIDE ALUMINUM KICK PLATES ON BOTH THE INSIDE AND OUTSIDE OF REST ROOM DOORS (BY OWNER)
3. ALL FIXTURES ON DOORS TO BE US26D DULL CHROMIUM, UNLESS OTHERWISE SPECIFIED.
4. MAIN SALES CABINET TO BE FINISHED IN (L1) ON EMPLOYEE SERVICE SIDE AND SUPPORT AREAS.
5. COOLER DOORS TO BE FACTORY FINISHED BLACK FRAMES.
6. SALES FLOOR GONDOLAS TO BE FACTORY FINISHED BLACK.
7. ALL FLOOR TILE GROUT TO HAVE "GROUT BOOST."
8. EXPOSED DUCTWORK MUST BE PRIMED AND PAINTED BEFORE CEILING IS PAINTED.
9. 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
10. ALL GYPSUM BOARD WALLS SHALL BE PAINTED.
11. PAINT EXPOSED STRUCTURE.
12. PROVIDE AND INSTALL RONDEC MTL TRIM AT ALL OUTSIDE TILE CORNERS AND WHERE NOTED ON INTERIOR ELEVATIONS.
13. "GROUT BOOST" TO BE USED TO MIX GROUT INSTEAD OF WATER.
14. ALL EXTERIOR BOLLARDS SHALL BE PAINTED BY NEWCOMB OIL CO.
15. INSTALL WHITE CAULK AT ALL WALL TO CEILING JOINTS.
16. TOP OF "WTS" TILE SHALL BE APPROXIMATELY 41" ABOVE FINISH FLOOR TO PREVENT TRIM 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.



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SCHEDULES

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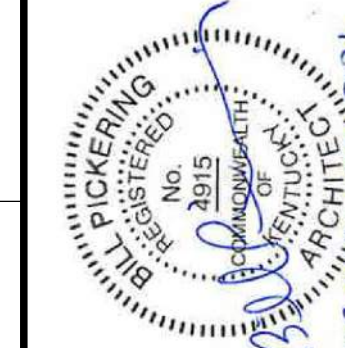






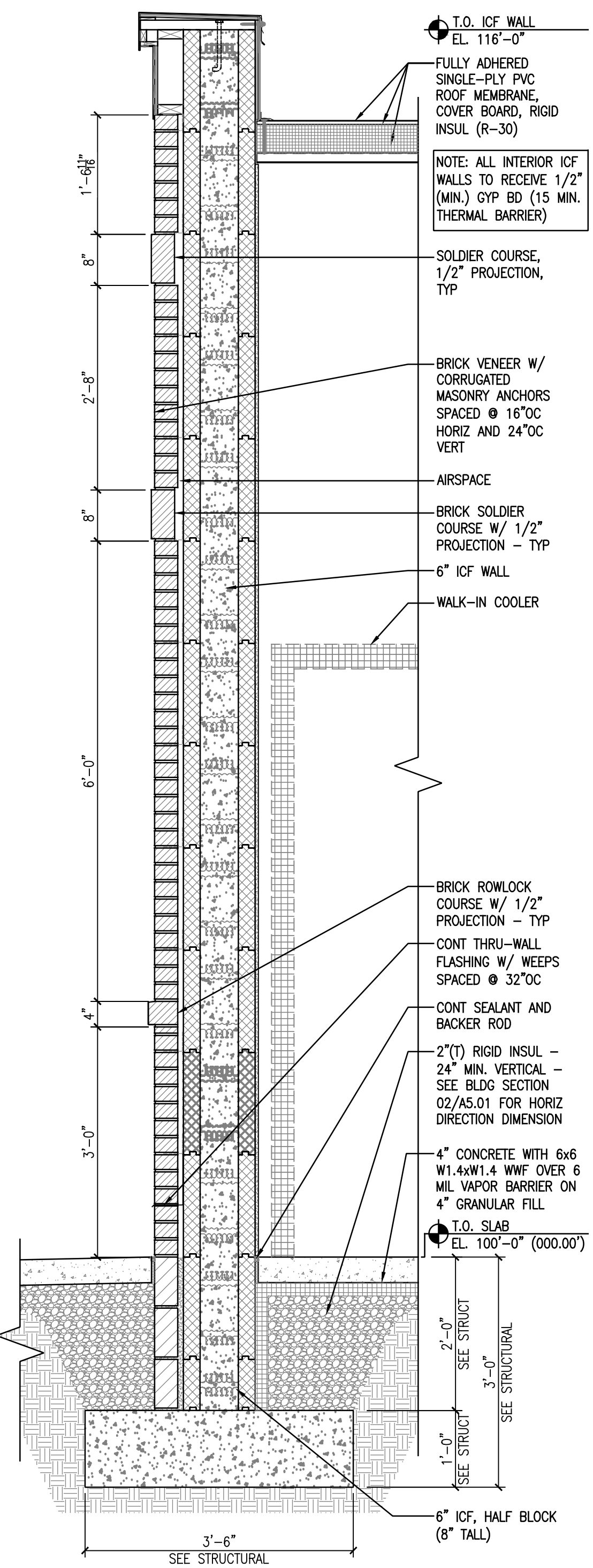






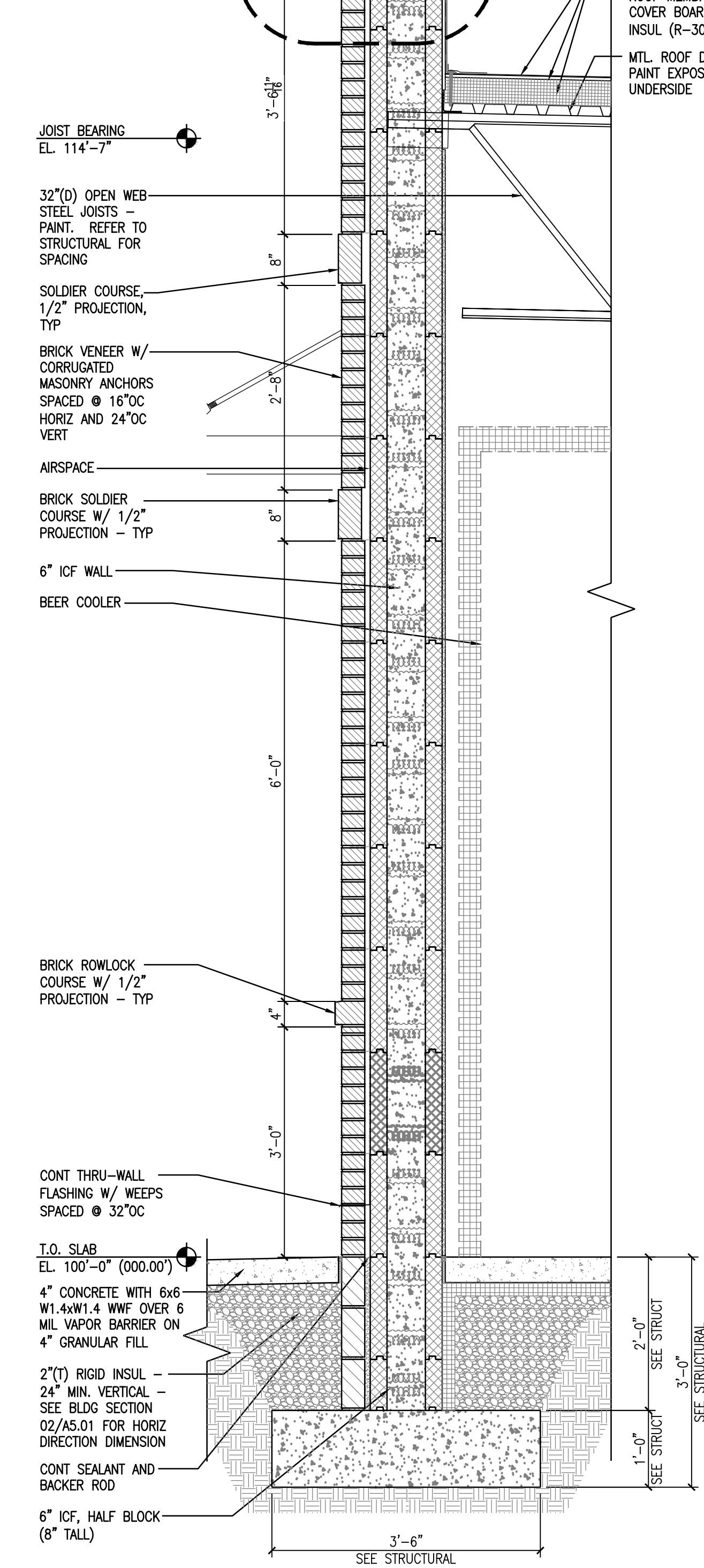
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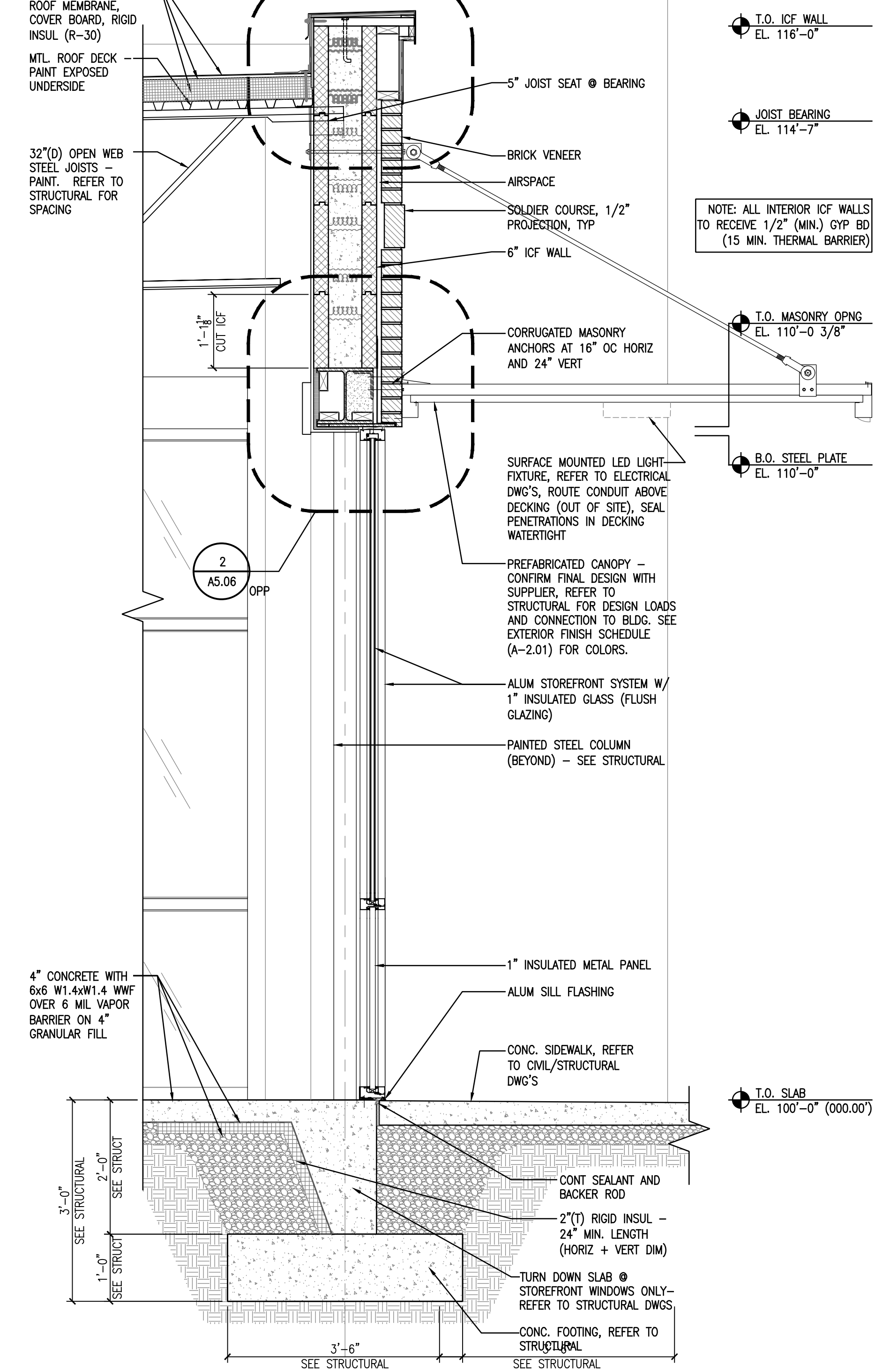
NOTE: BOTTOM OF FOOTING EXCAVATION TO BE INSPECTED AND APPROVED BY SPECIAL INSPECTION AGENCY PRIOR TO REBAR INSTALLATION AND PRIOR TO CONCRETE PLACEMENT

**1 WALL SECTION**  
A5.03 3/4" = 1'-0"



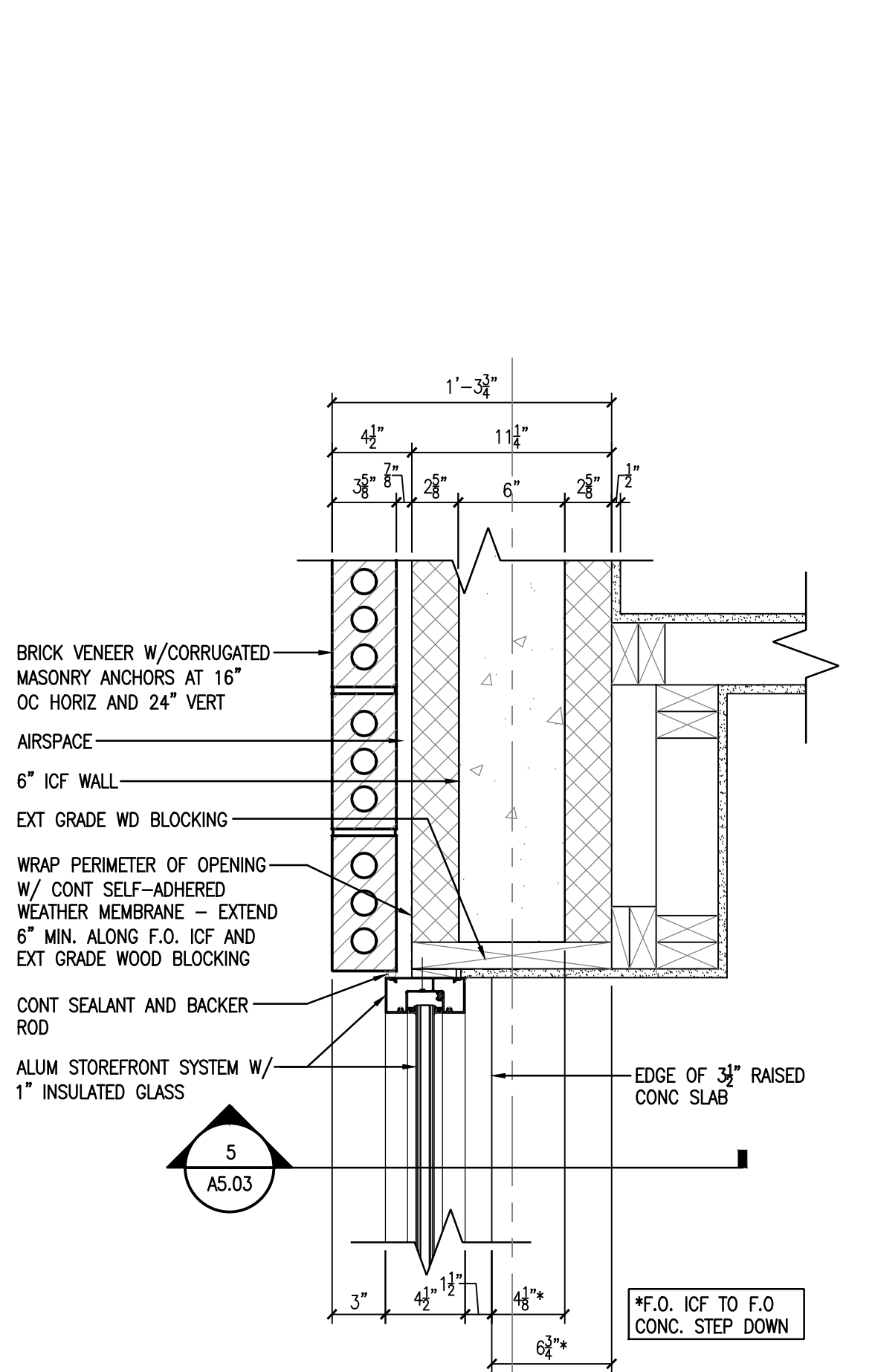
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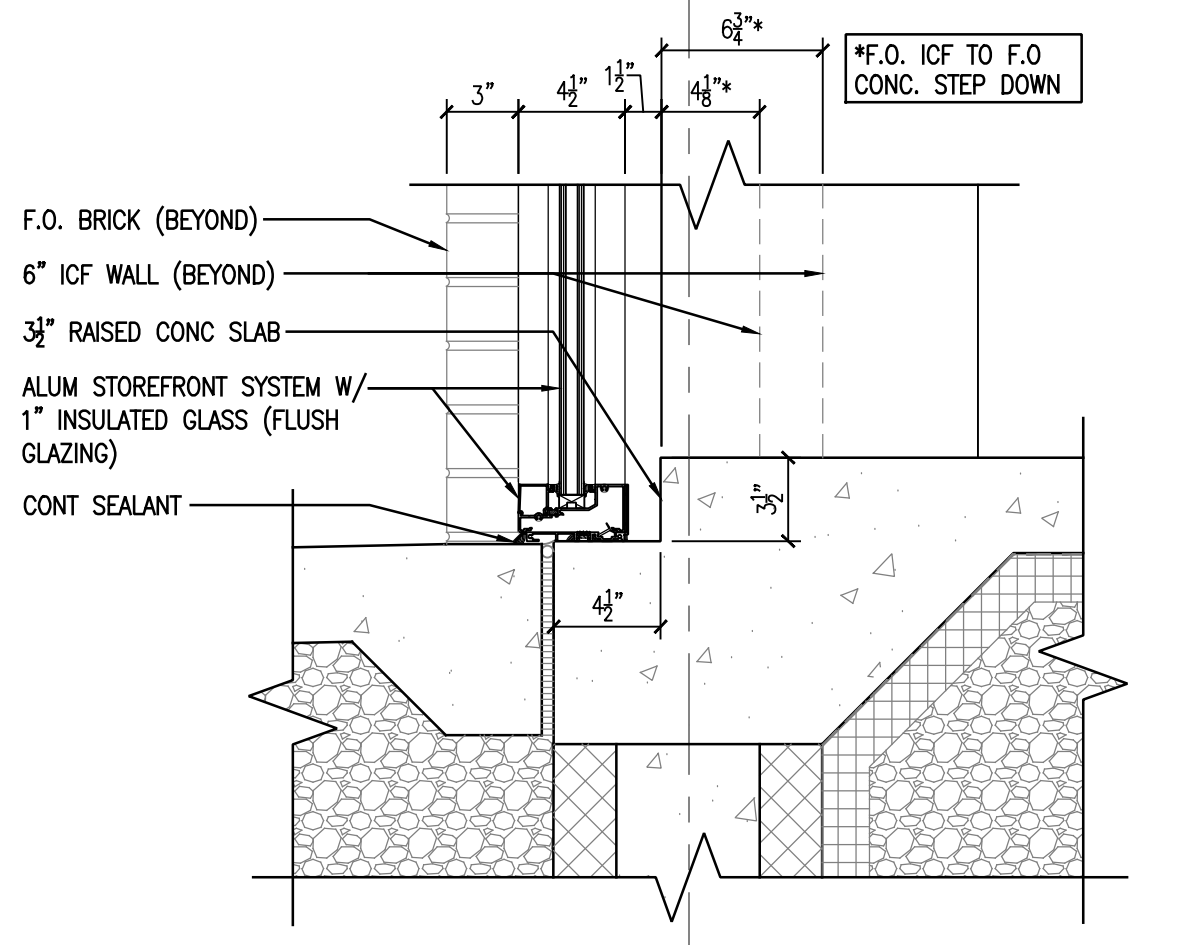


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**3 WALL SECTION**  
A5.03 3/4" = 1'-0"



**4 DETAIL**  
A-5.03 1 1/2" = 1'-0"

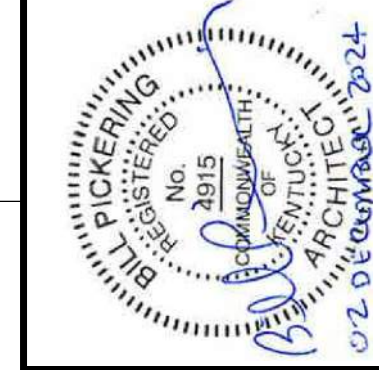


**5 DETAIL**  
A-5.03 1 1/2" = 1'-0"









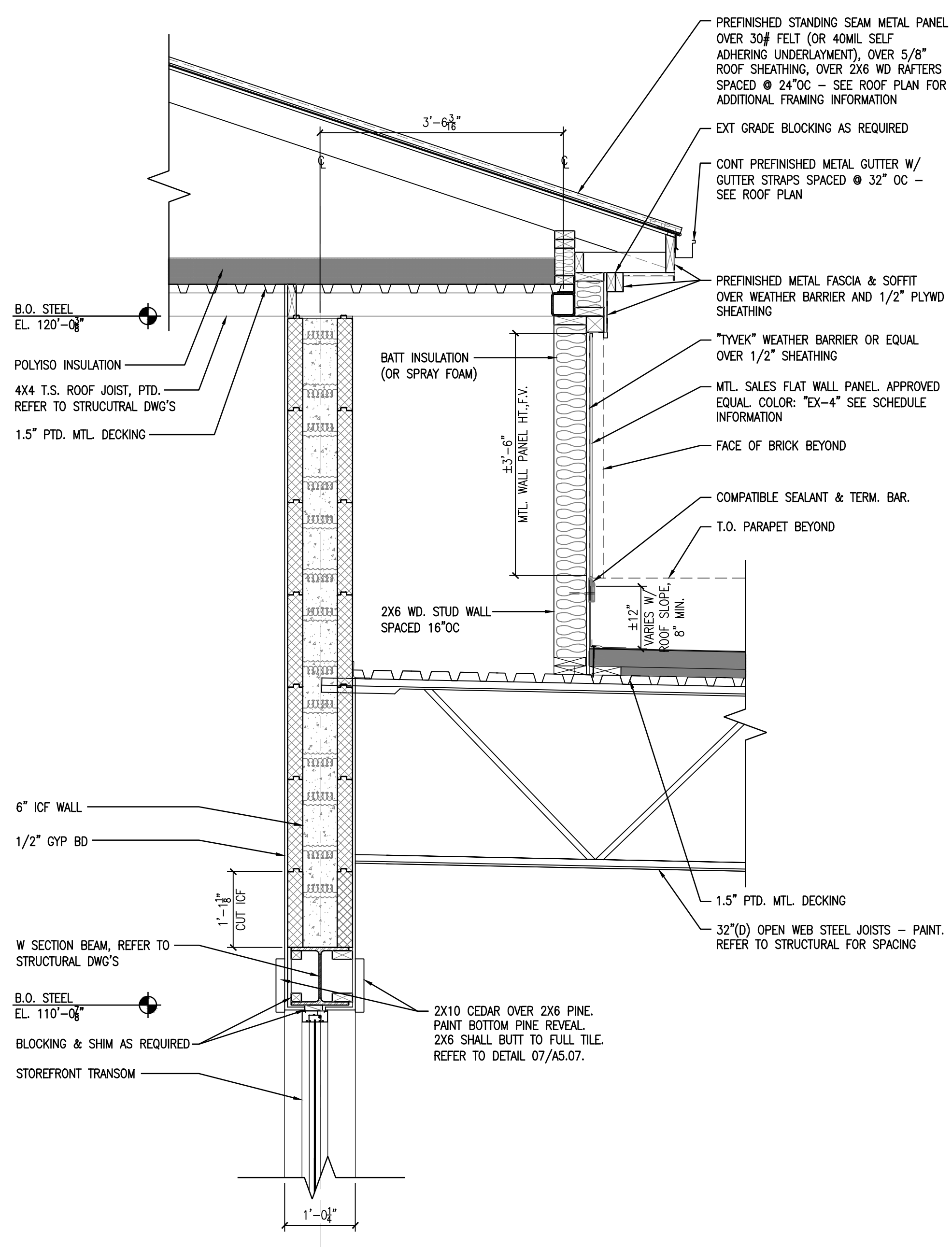
**WALL SECTIONS & DETAILS**  
FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

**CONSTRUCTION DOCUMENTS**

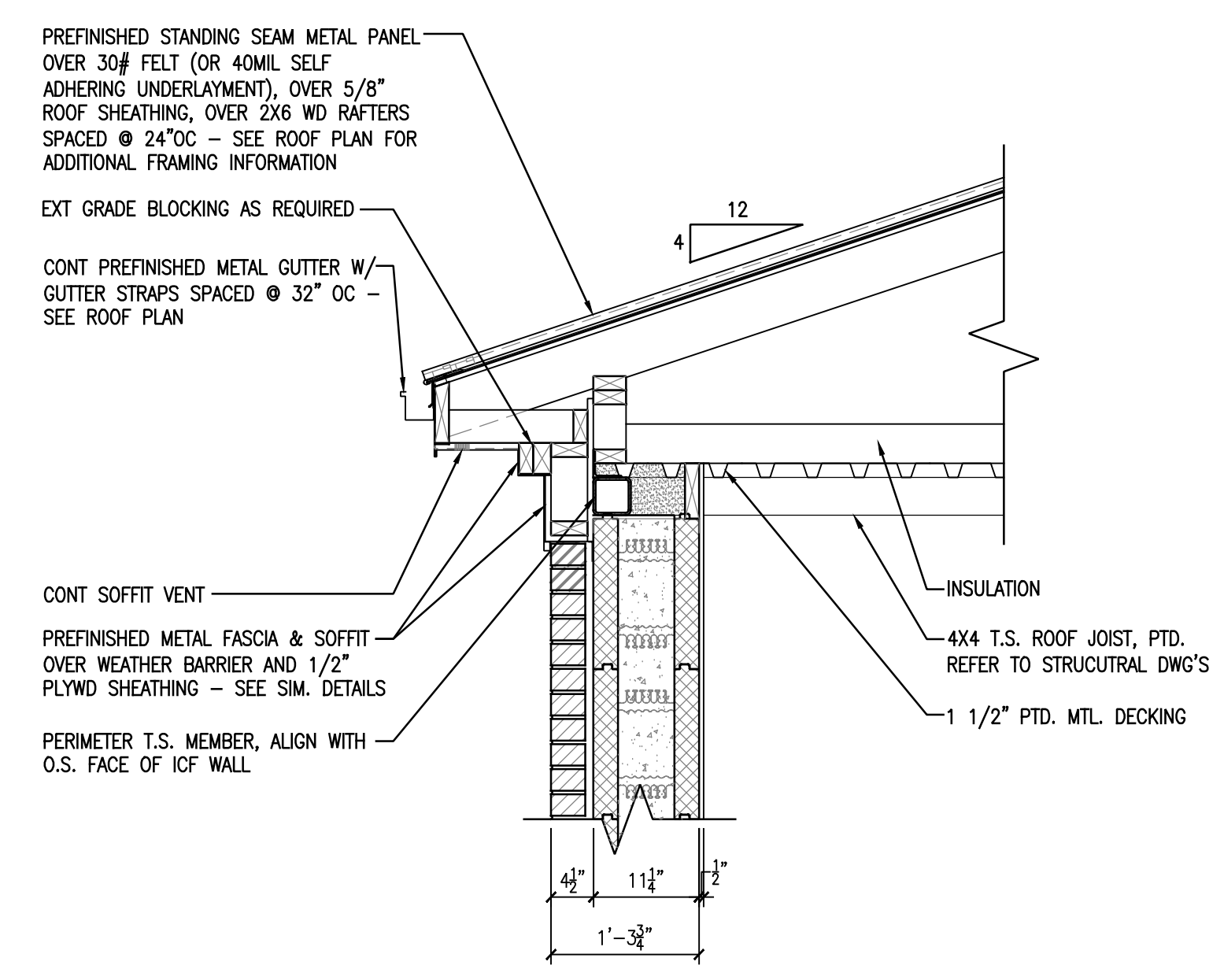
Issue Date:	December 2024
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**24051.01**

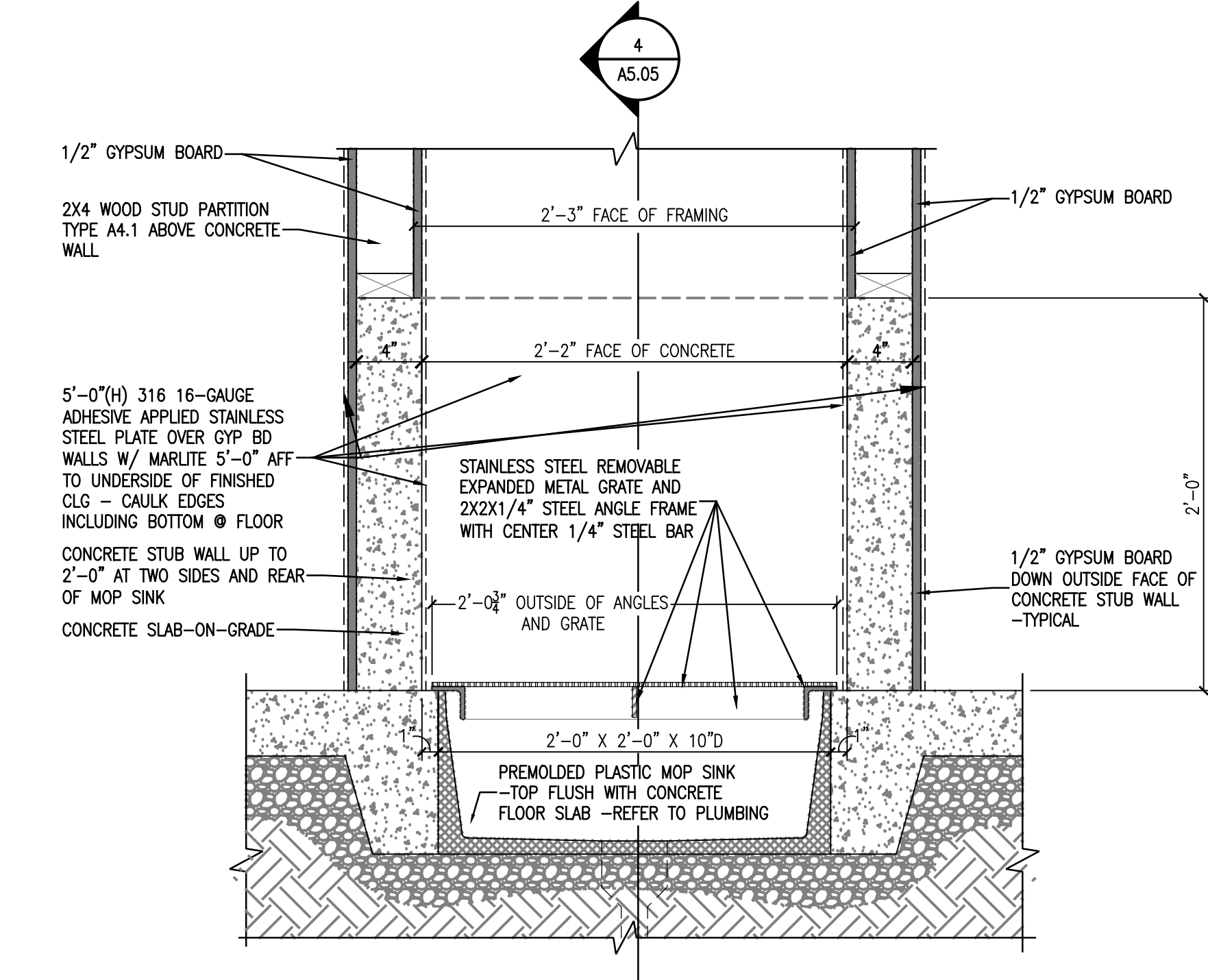
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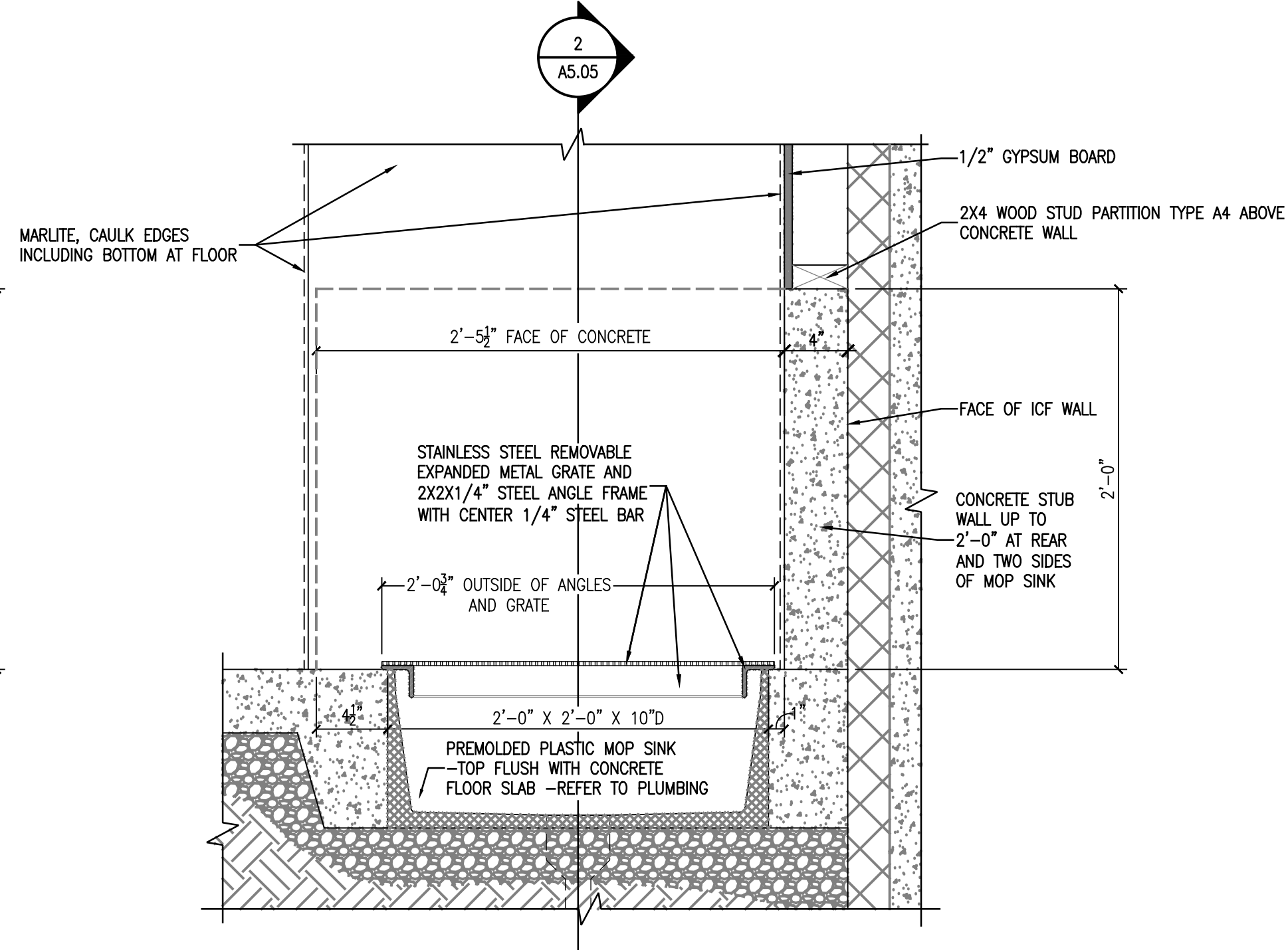
**1 WALL SECTION**  
A5.05 3/4" = 1'-0"



**3 WALL SECTION**  
A5.05 3/4" = 1'-0"



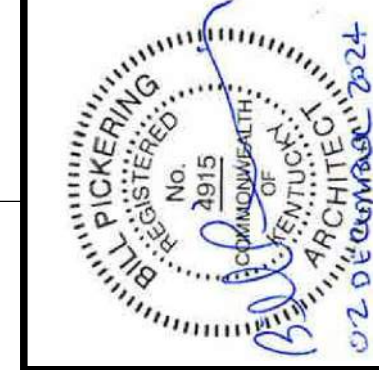
**2 SECTION - FLOOR MOP SINK**  
A5.05 1 1/2" = 1'-0"



**4 SECTION - FLOOR MOP SINK**  
A5.05 1 1/2" = 1'-0"

Xref: 30/24SH-Newcomb





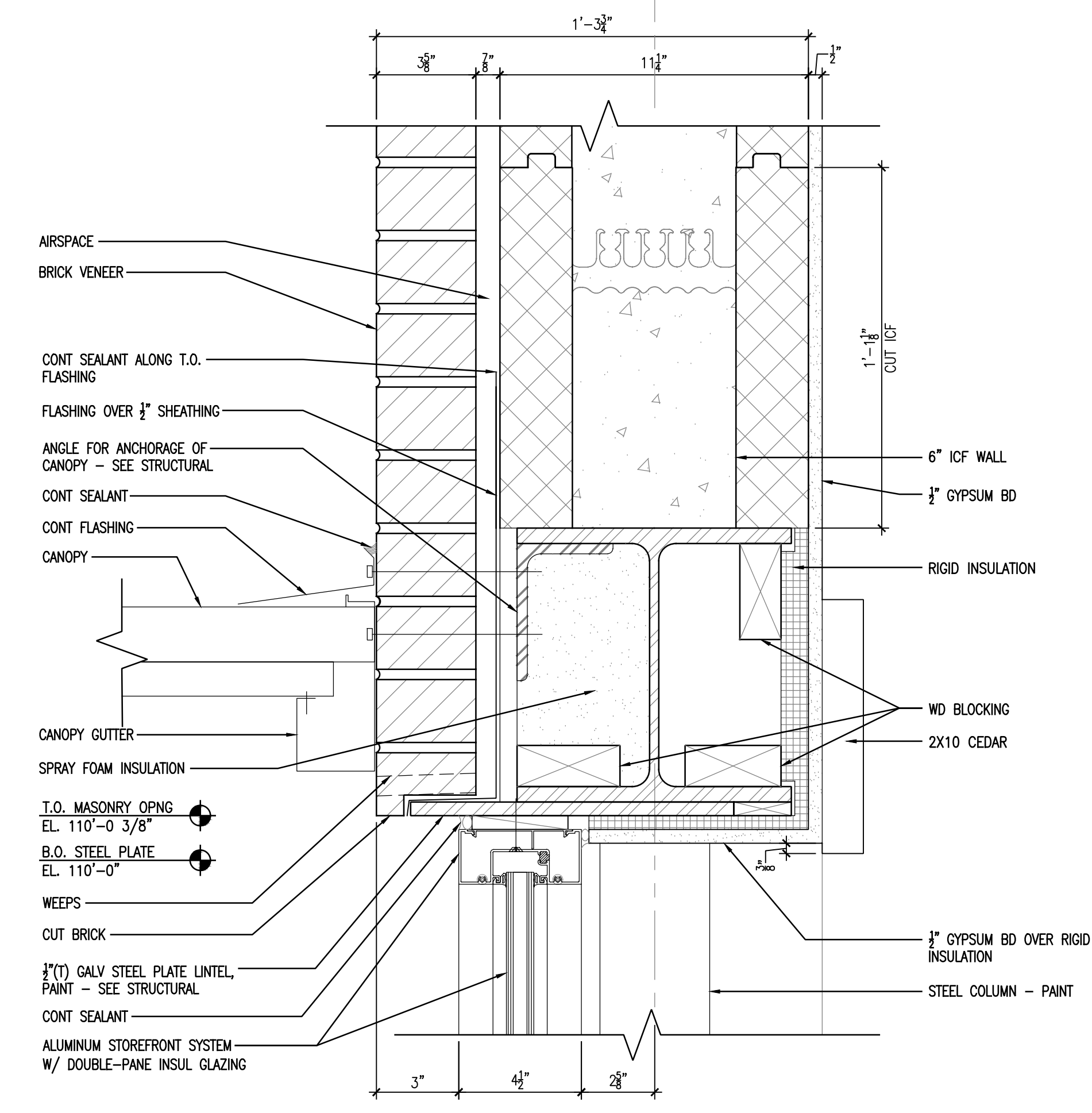
**ENLARGED DETAILS**  
FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

**CONSTRUCTION DOCUMENTS**

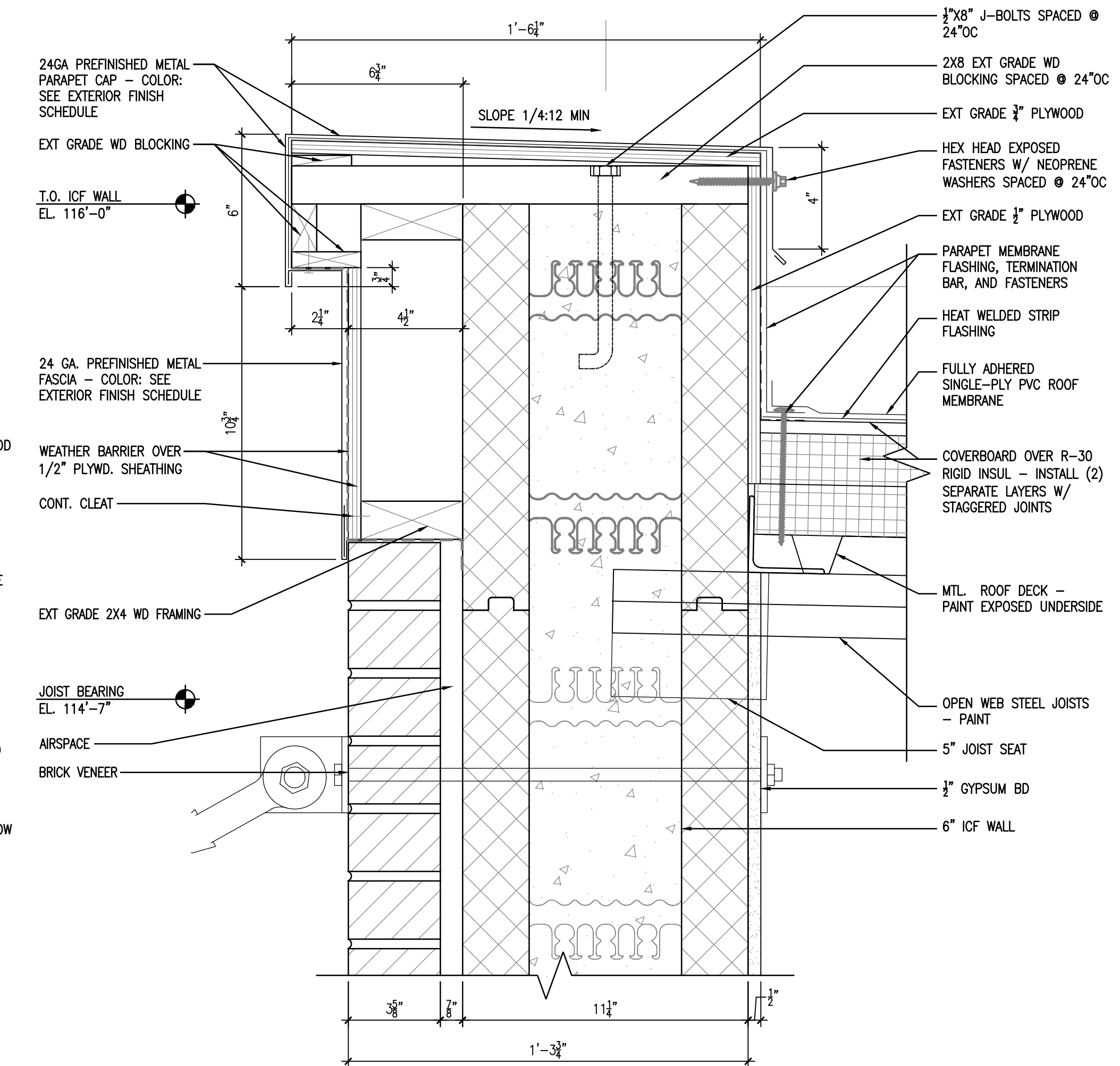
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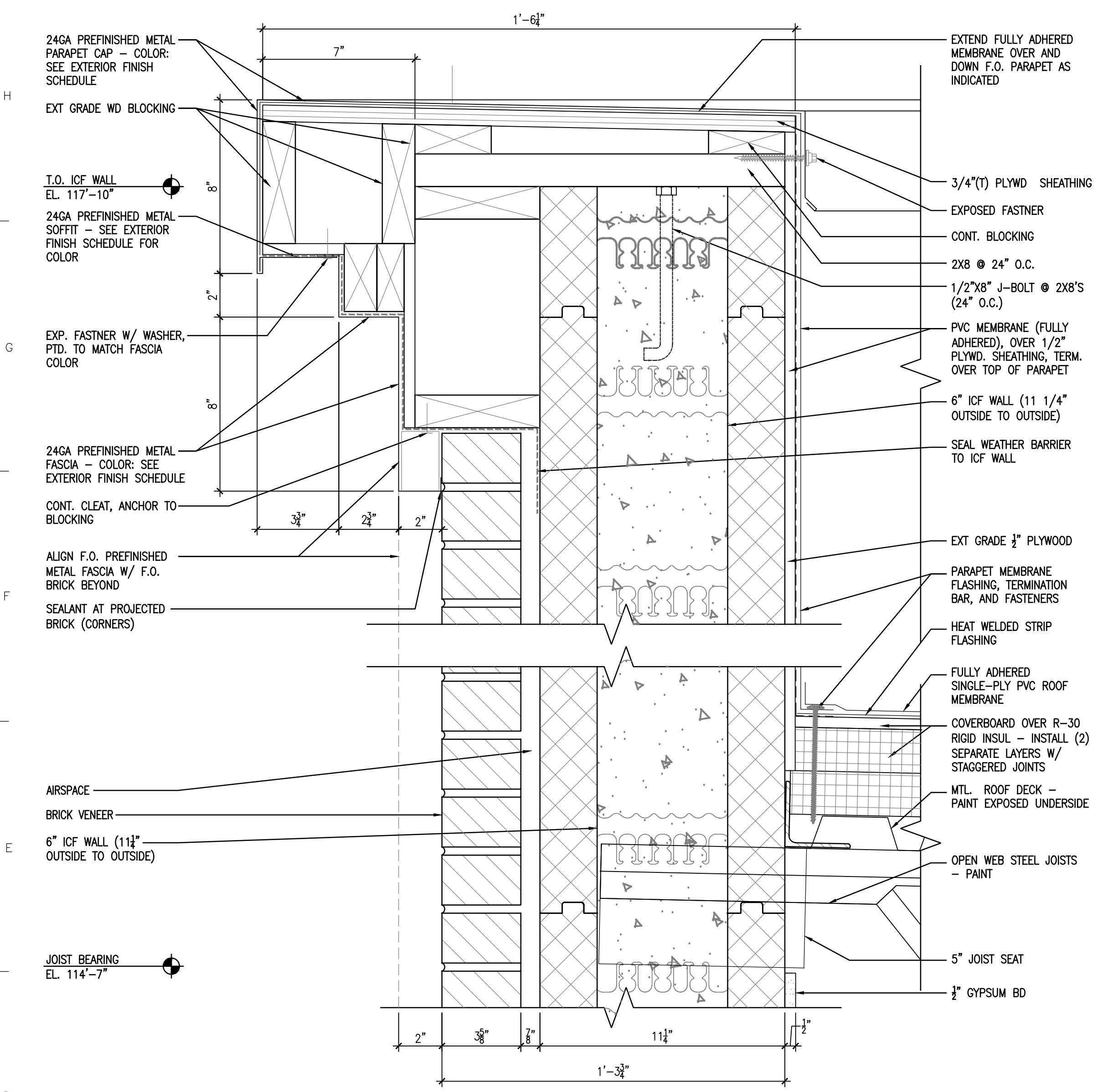
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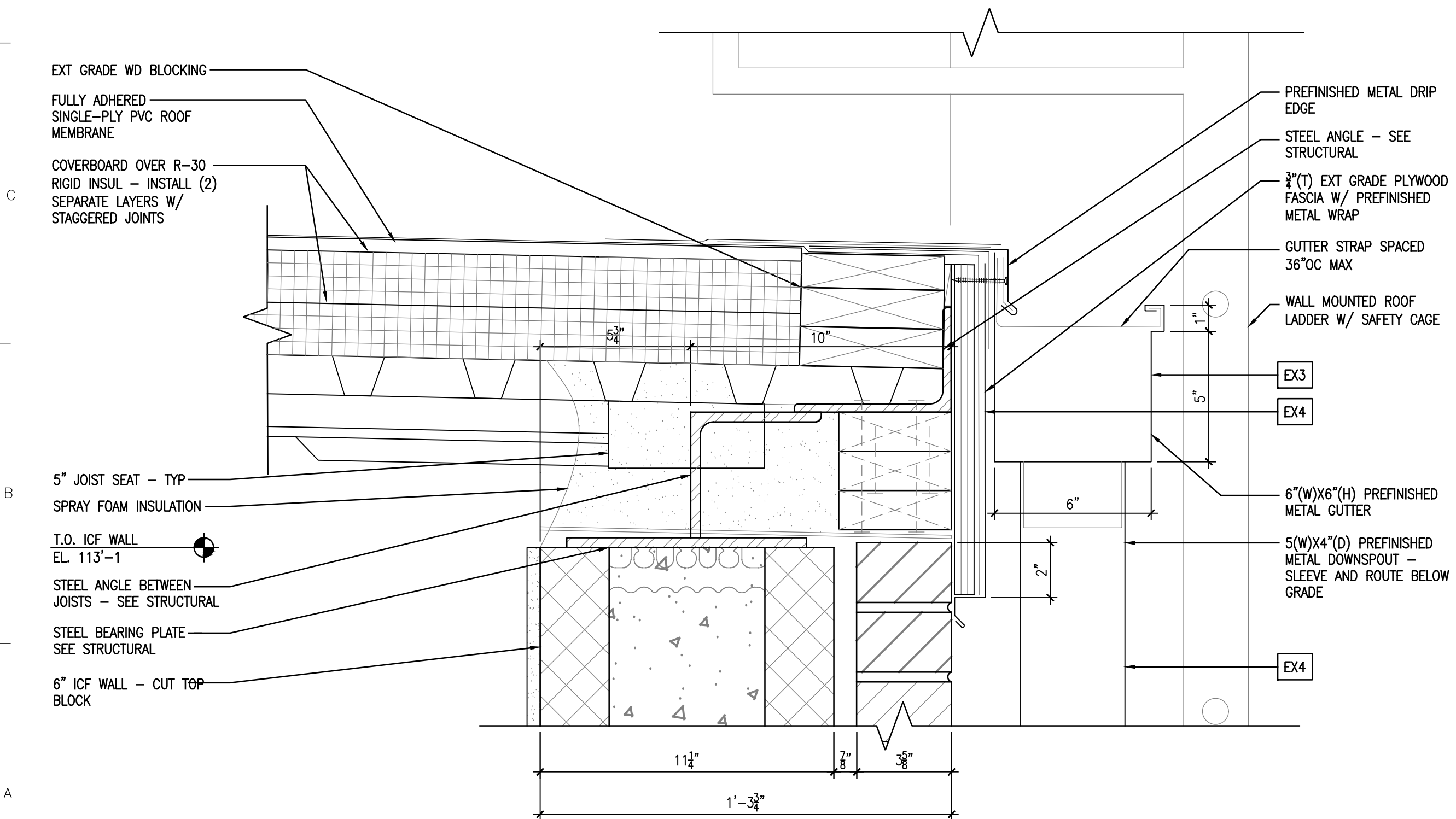
**2 ENLARGED DETAIL**  
3" = 1'-0"



**5 PARAPET DETAIL**  
3" = 1'-0"



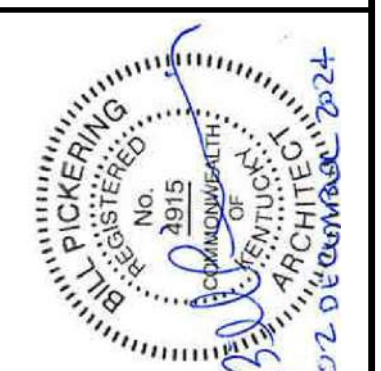
**1 ROOF DETAIL**  
3" = 1'-0"



**4 ROOF DETAIL**  
3" = 1'-0"

Xref: 30/24SH7\_Lawrenceburg A-SEC01 A-SEC03





**ENLARGED DETAILS**  
FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

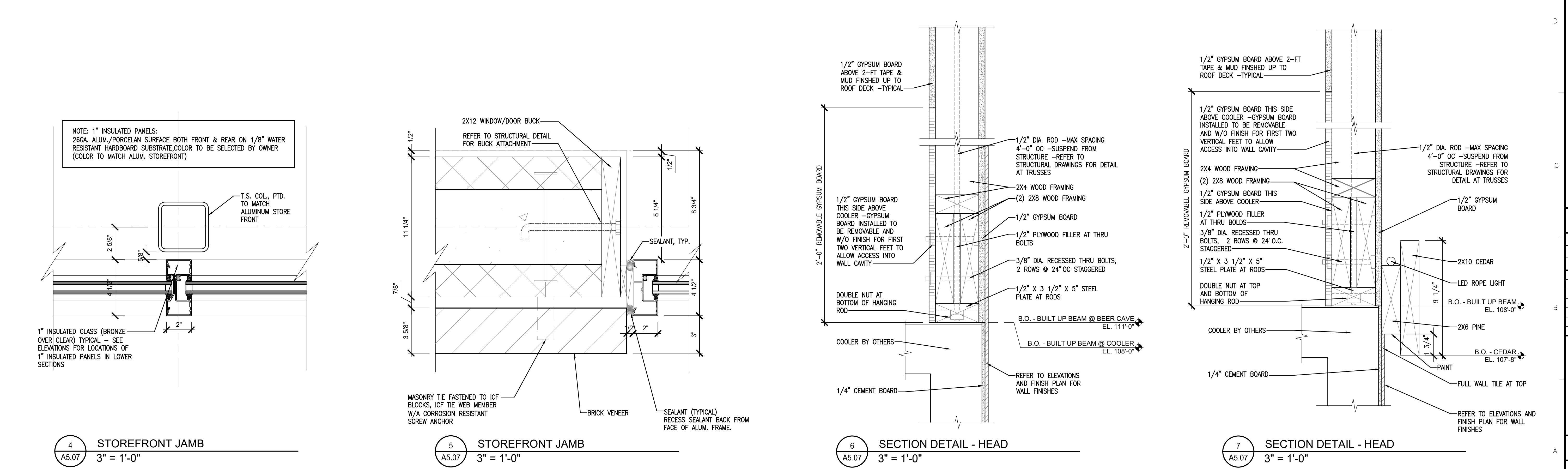
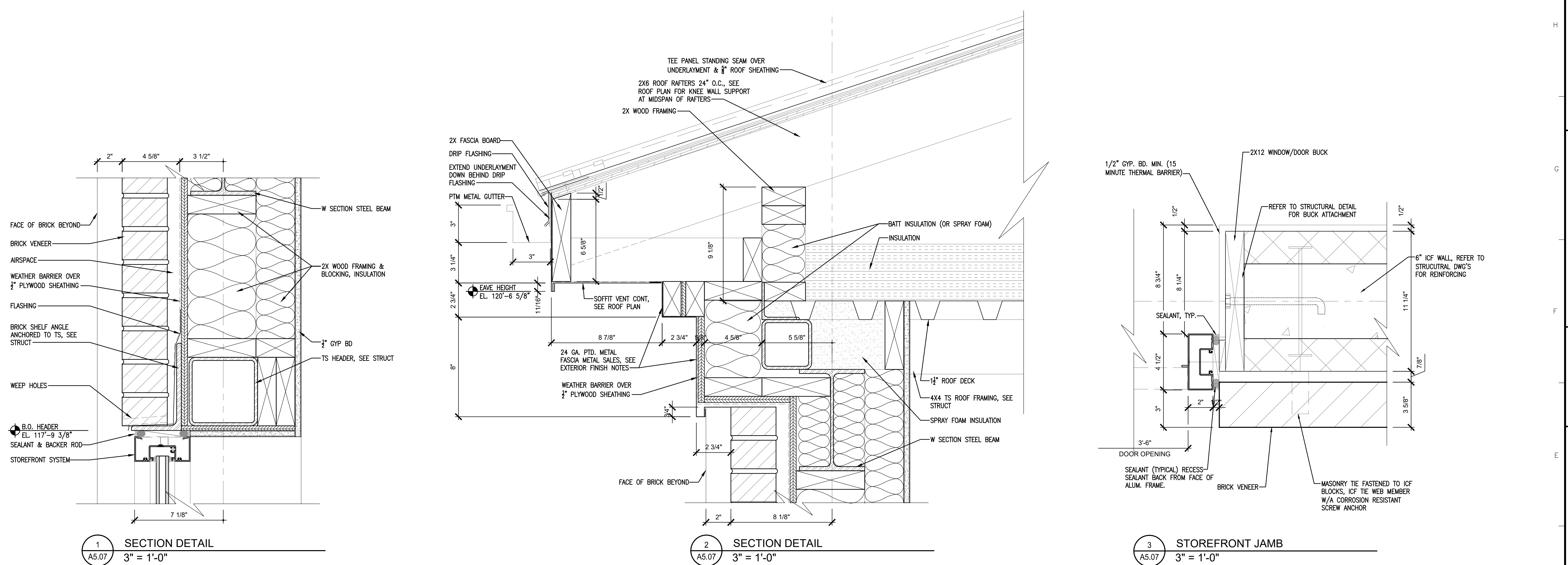
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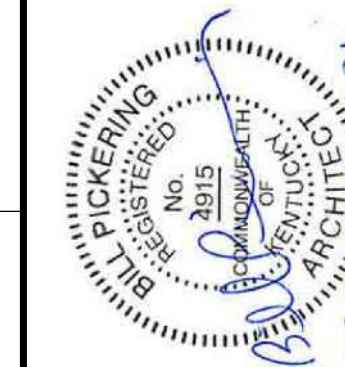
AHJ SEAL

Project Number  
**24051.01**

**A5.07**







WALK-IN COOLER / FREEZER SECTIONS AND DETAILS

FiveStar - #5546 Lawrenceburg  
NEWCOMB OIL CO., LLC  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

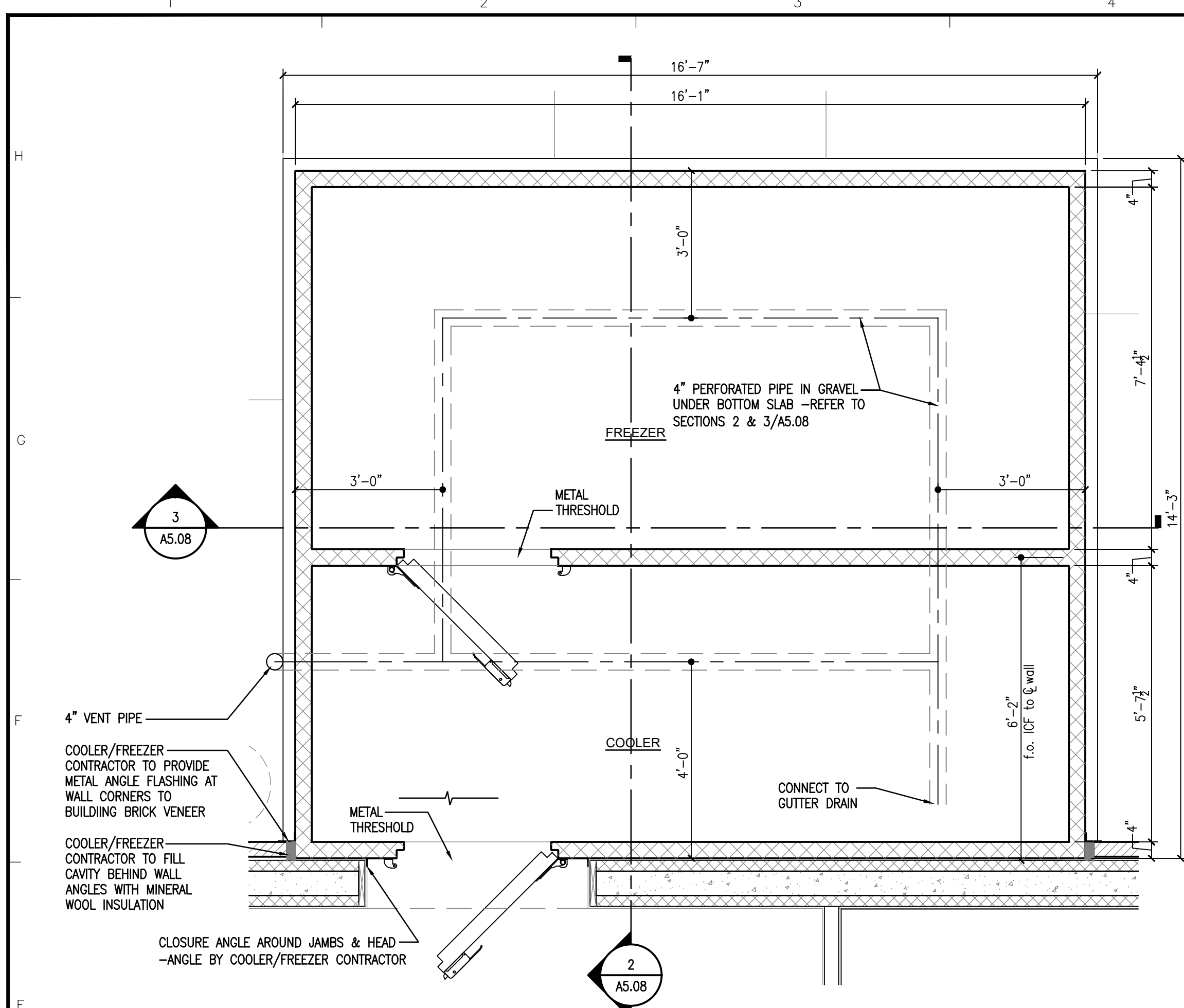
CONSTRUCTION DOCUMENTS

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Mark	Date

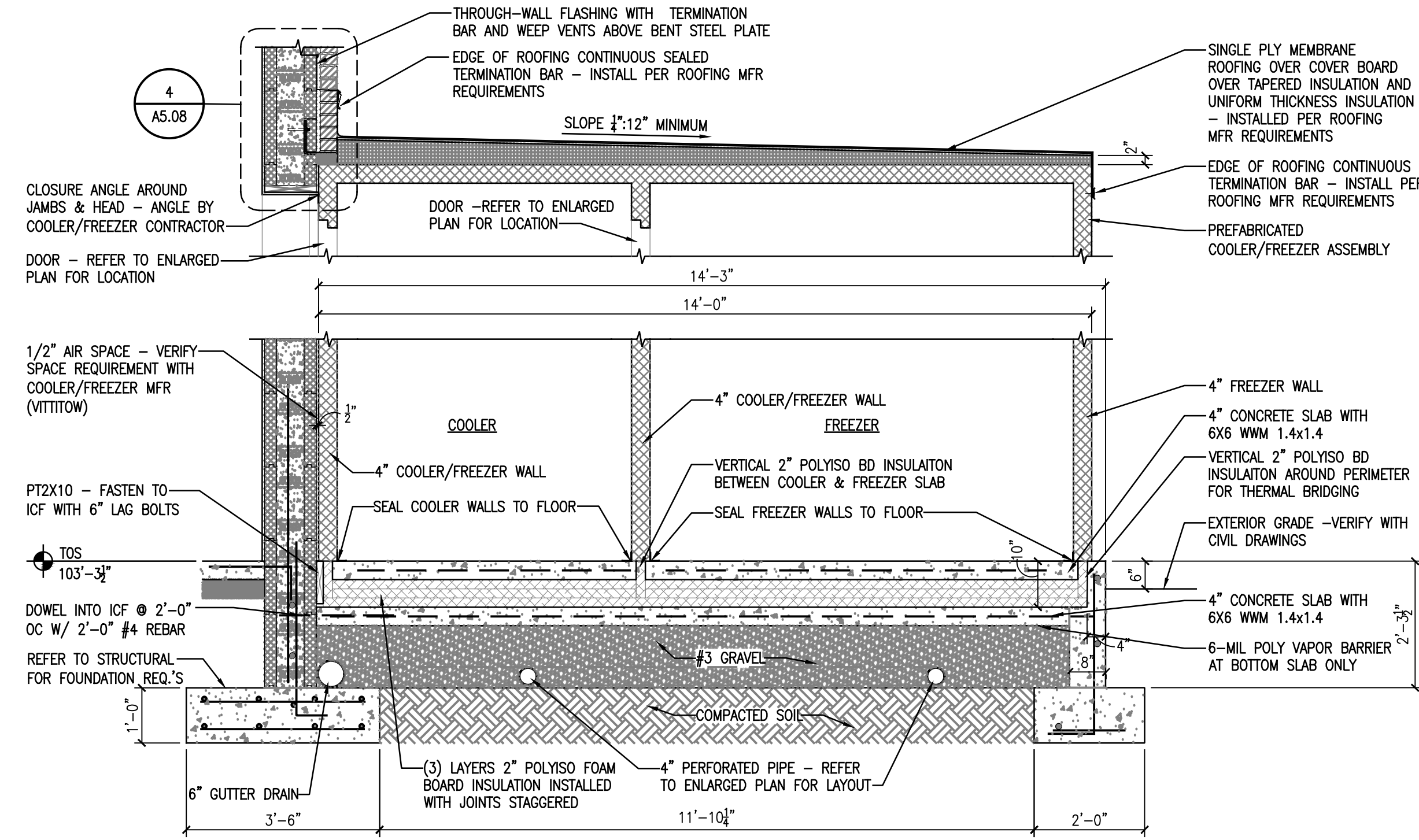
AHJ SEAL

Project Number  
**24051.01**

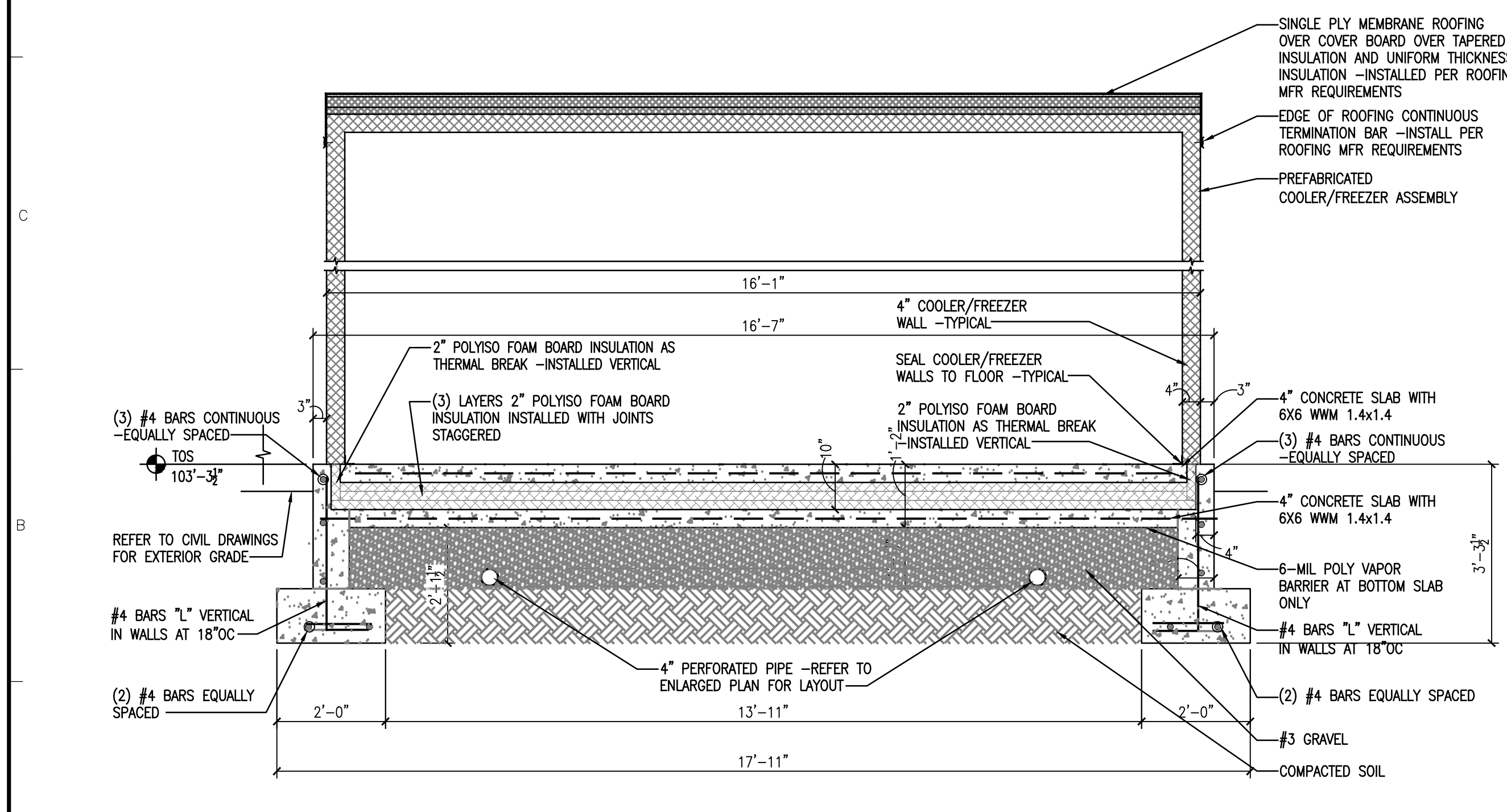
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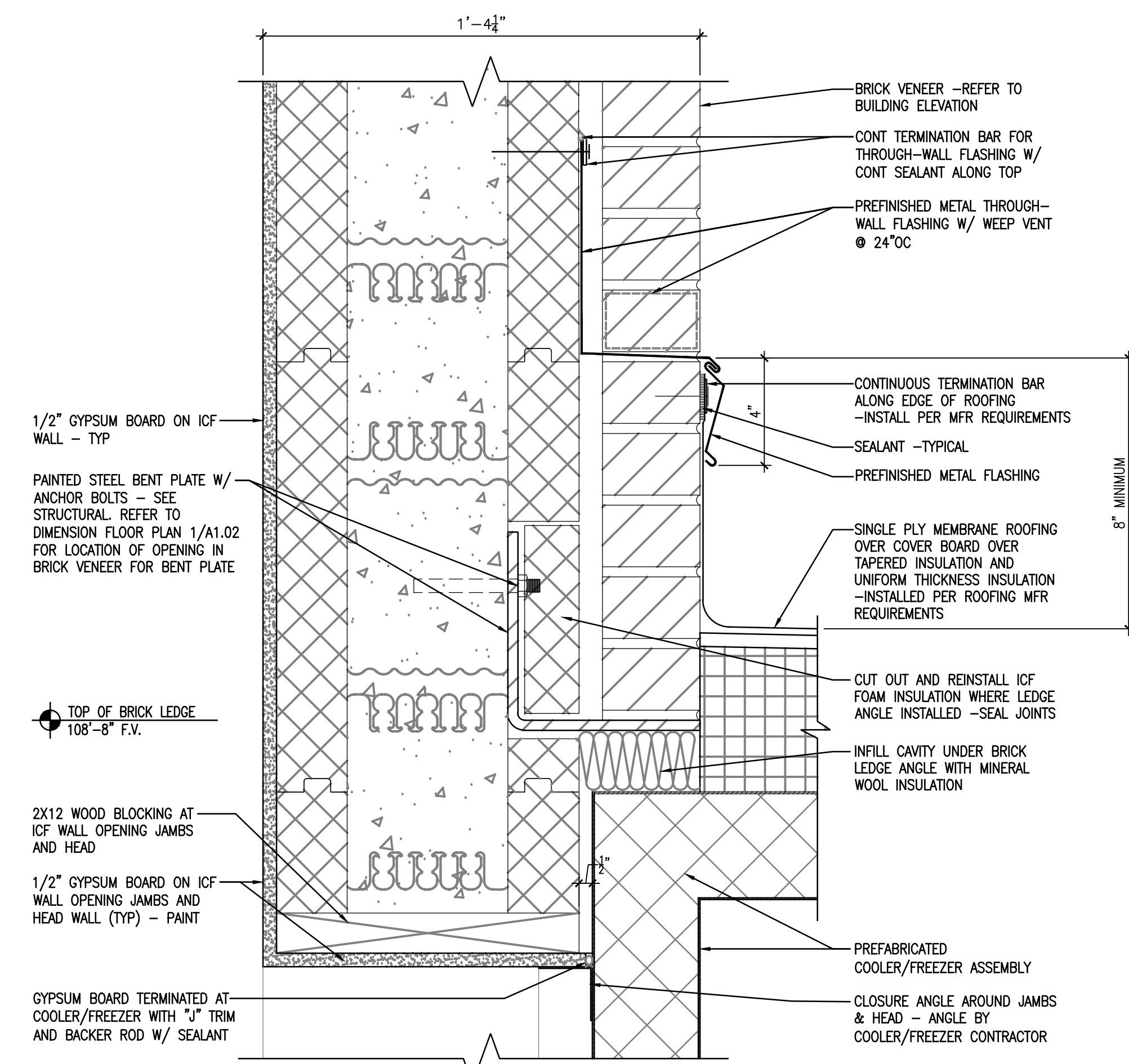
**1** ENLARGED PLAN - WALK-IN COOLER / FREEZER  
1/2" = 1'-0"



**2** SECTION - WALK-IN COOLER / FREEZER  
1/2" = 1'-0"



**3** SECTION - WALK-IN COOLER / FREEZER  
1/2" = 1'-0"



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

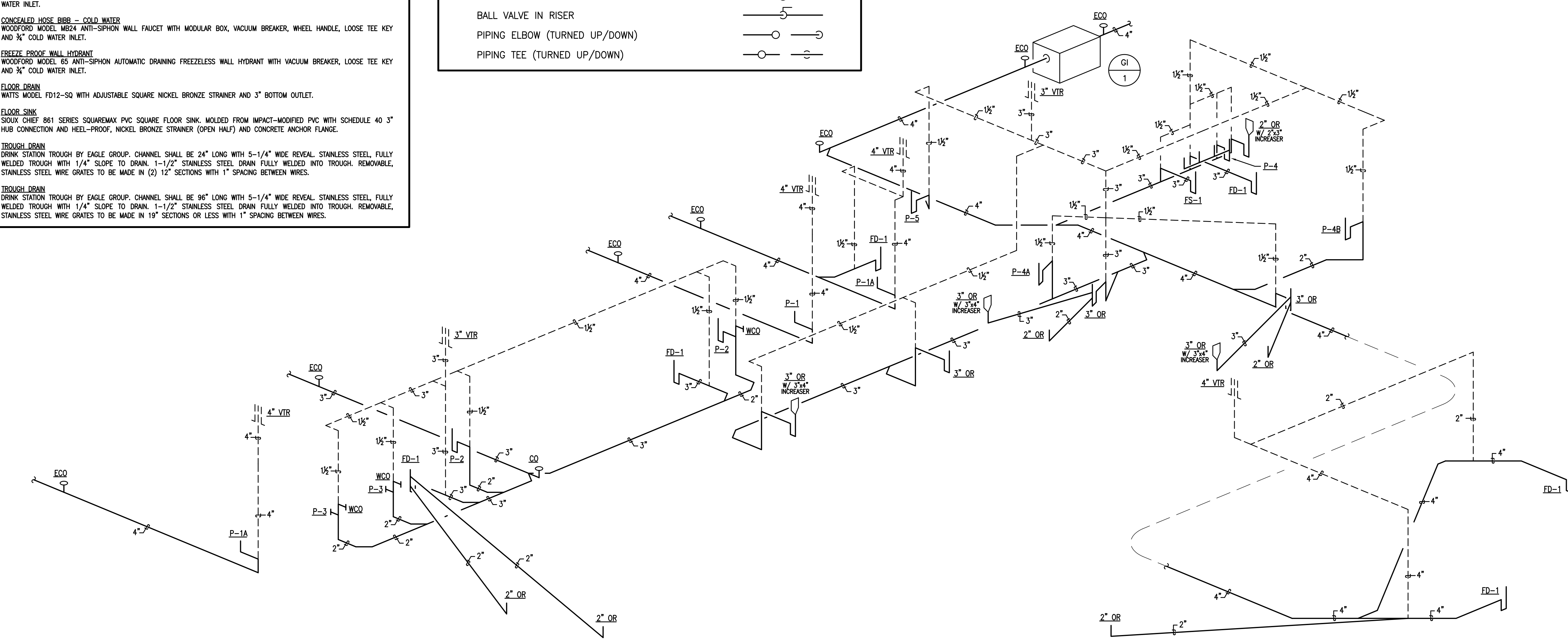
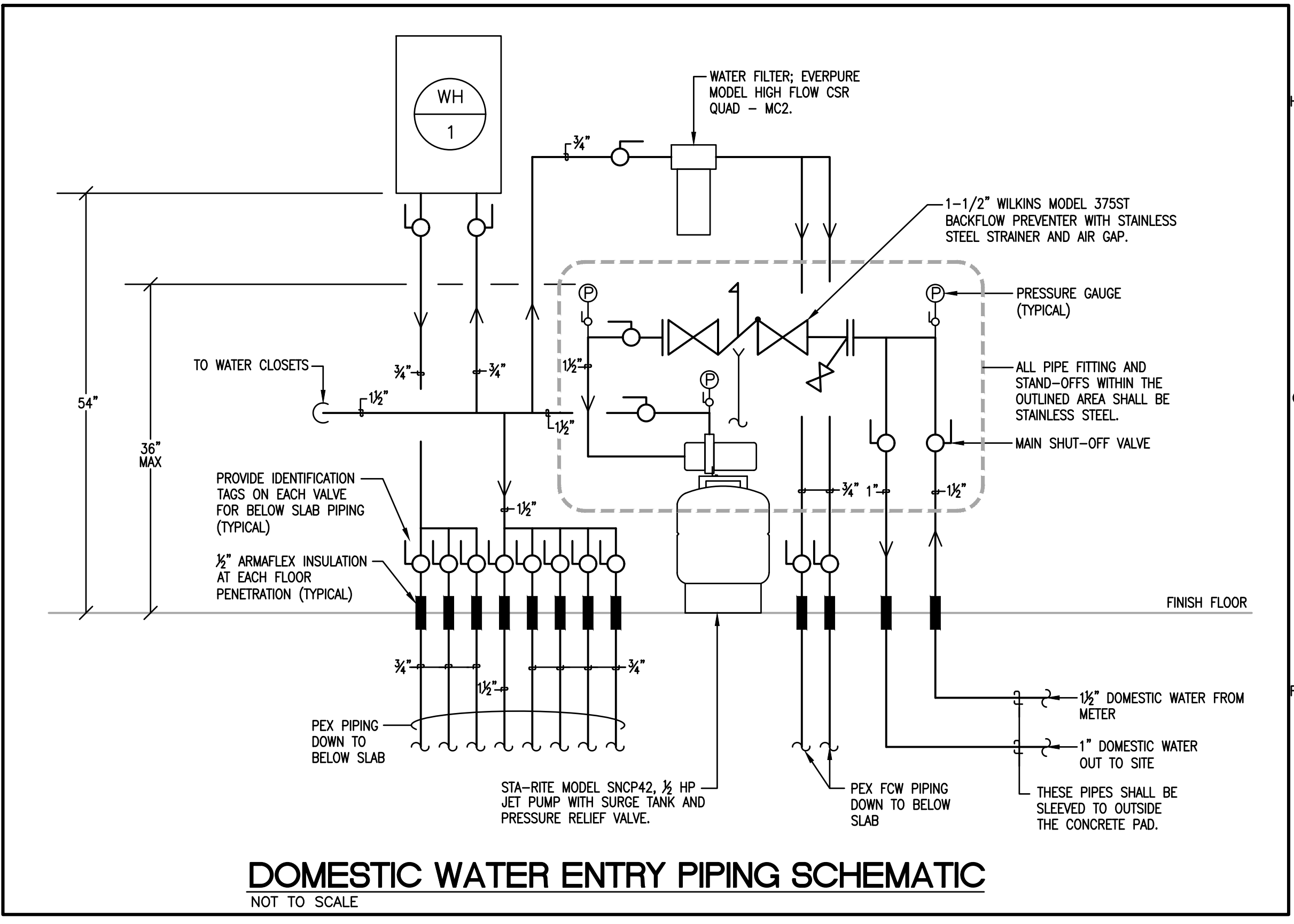


**PLUMBING FIXTURE SPECIFICATIONS:**

- 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 BEIMS 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 BEIMS MODEL 1955C WHITE OPEN FRONT SEAT WITH CHECK HINGE. INSTALL THE FLUSH VALVE ON THE "OPEN" 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 **VORTEX WASH SYSTEM**  
BI-LINE VORTEX WASH SYSTEM MODEL L-R 36W. FOUR COMPARTMENT TYPE WITH 3HP WASH PUMP AND 5KW ELECTRIC TANK HEAT WITH 208V/3P/50 ELECTRICAL CONNECTION. PROVIDE WITH (3) T&S B-3990 LEVER HANDLE WASTES, P-TRAP, PERFORATED SCRAP BASKETS, UTENSIL BASKET, SHEET PAN RACK, DRAIN AND ESCUTCHEONS. SINK TRIM SHALL BE AS FOLLOWS:  
- (2) 3/4" NPT MIXING FAUCETS.  
- (1) 1/2" NPT PRE-RINSE SPRAY
- 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 2018BNS 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 COMPOSITE 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 WALLS. 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-SO WITH ADJUSTABLE SQUARE NICKEL BRONZE STRAINER AND 3" BOTTOM OUTLET.
- FS-1 **FLOOR SINK**  
SIOUX CHIEF 861 SERIES SQUAREMAX PVC SQUARE FLOOR SINK. MOLDED FROM IMPACT-MODIFIED PVC WITH SCHEDULE 40 3" HUB CONNECTION AND HEEL-PROOF, NICKEL BRONZE STRAINER (OPEN HALF) AND CONCRETE ANCHOR FLANGE.
- TD-1 **TROUGH DRAIN**  
DRINK STATION TROUGH BY EAGLE GROUP. CHANNEL SHALL BE 24" LONG WITH 5-1/4" WIDE REVEAL STAINLESS STEEL, FULLY WELDED TROUGH WITH 1/4" SLOPE TO DRAIN. 1-1/2" STAINLESS STEEL DRAIN FULLY WELDED INTO TROUGH. REMOVABLE, STAINLESS STEEL WIRE GRATES TO BE MADE IN (2) 12" SECTIONS WITH 1" SPACING BETWEEN WIRES.
- TD-2 **TROUGH DRAIN**  
DRINK STATION TROUGH BY EAGLE GROUP. CHANNEL SHALL BE 96" LONG WITH 5-1/4" WIDE REVEAL STAINLESS STEEL, FULLY WELDED TROUGH WITH 1/4" SLOPE TO DRAIN. 1-1/2" STAINLESS STEEL DRAIN FULLY WELDED INTO TROUGH. REMOVABLE, STAINLESS STEEL WIRE GRATES TO BE MADE IN 19" SECTIONS OR LESS WITH 1" SPACING BETWEEN WIRES.

**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	VR
WATER HEATER	WH
SANITARY PIPING	— SAN —
GREASE WASTE PIPING	— GL —
STORM PIPING	— SS —
OVERFLOW STORM PIPING	— OSS —
SANITARY VENT PIPING	--- V ---
DOMESTIC COLD WATER PIPING	— — — — —
DOMESTIC HOT WATER PIPING (110° F)	— — — — —
FILTERED COLD WATER	— FCW —
NATURAL GAS PIPING	— G —
PRESSURE GAUGE	⊙
SOLENOID VALVE	⊕
GAS SHUT-OFF VALVE	⊖
BALL VALVE	⊙
SHUT-OFF VALVE AT EQUIPMENT	⊙
BALL VALVE IN RISER	⊙
PIPING ELBOW (TURNED UP/DOWN)	⊙
PIPING TEE (TURNED UP/DOWN)	⊙



**SANITARY WASTE AND VENT RISER DIAGRAM**

NOT TO SCALE

1  
P1.01

**CMW**  
The Shape of Ideas

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a: 249 East Main Street  
Suite 100  
Lexington, Kentucky 40507  
o: (859) 254-6623  
w: www.cmwmaec.com

**CMTA**  
1501 17th Avenue Street, Lexington, Kentucky 40508  
Tel: 254-262-1111 Fax: 254-262-1111

STATE OF KENTUCKY  
Professional Seal

PLUMBING LEGEND AND DETAILS

FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

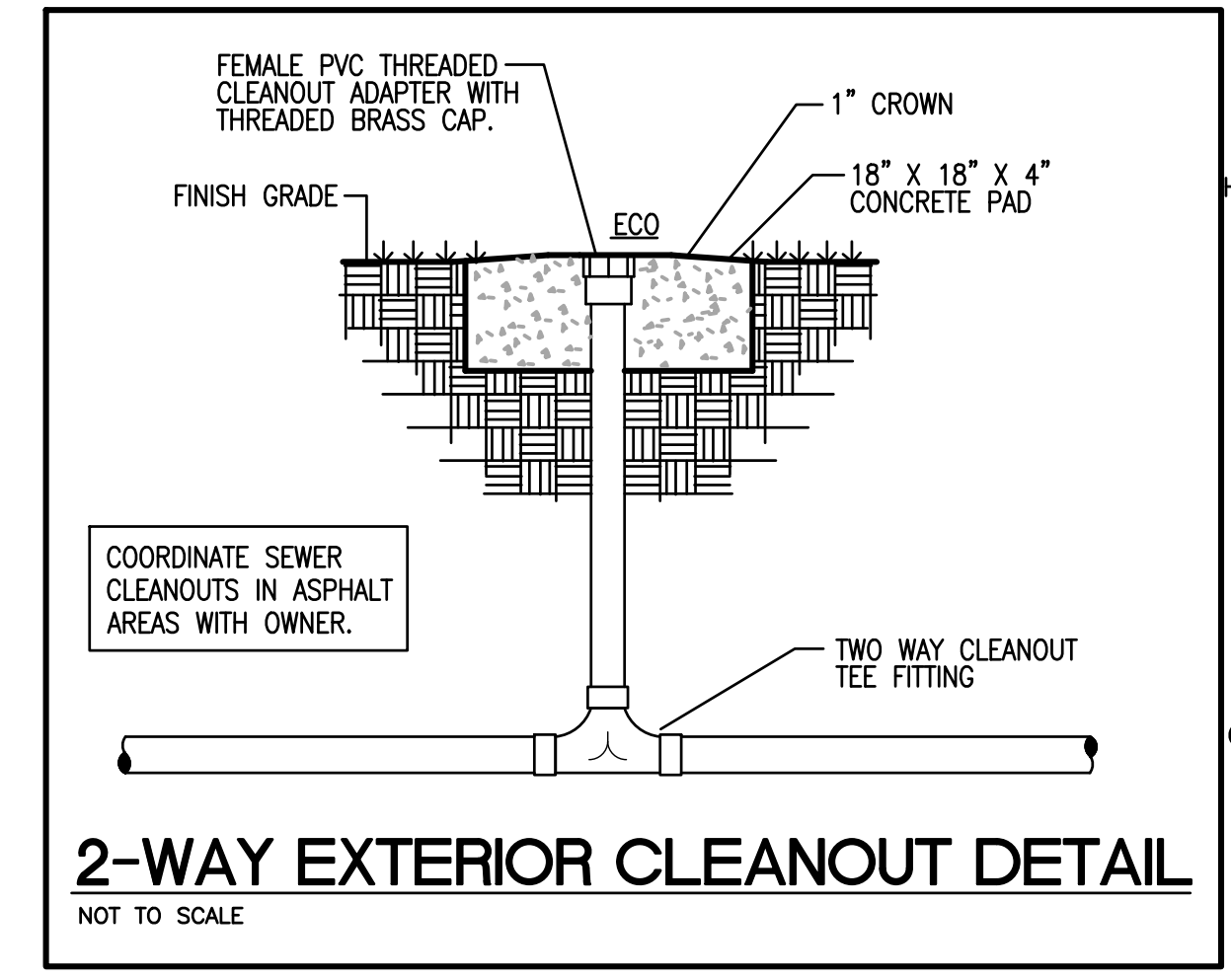
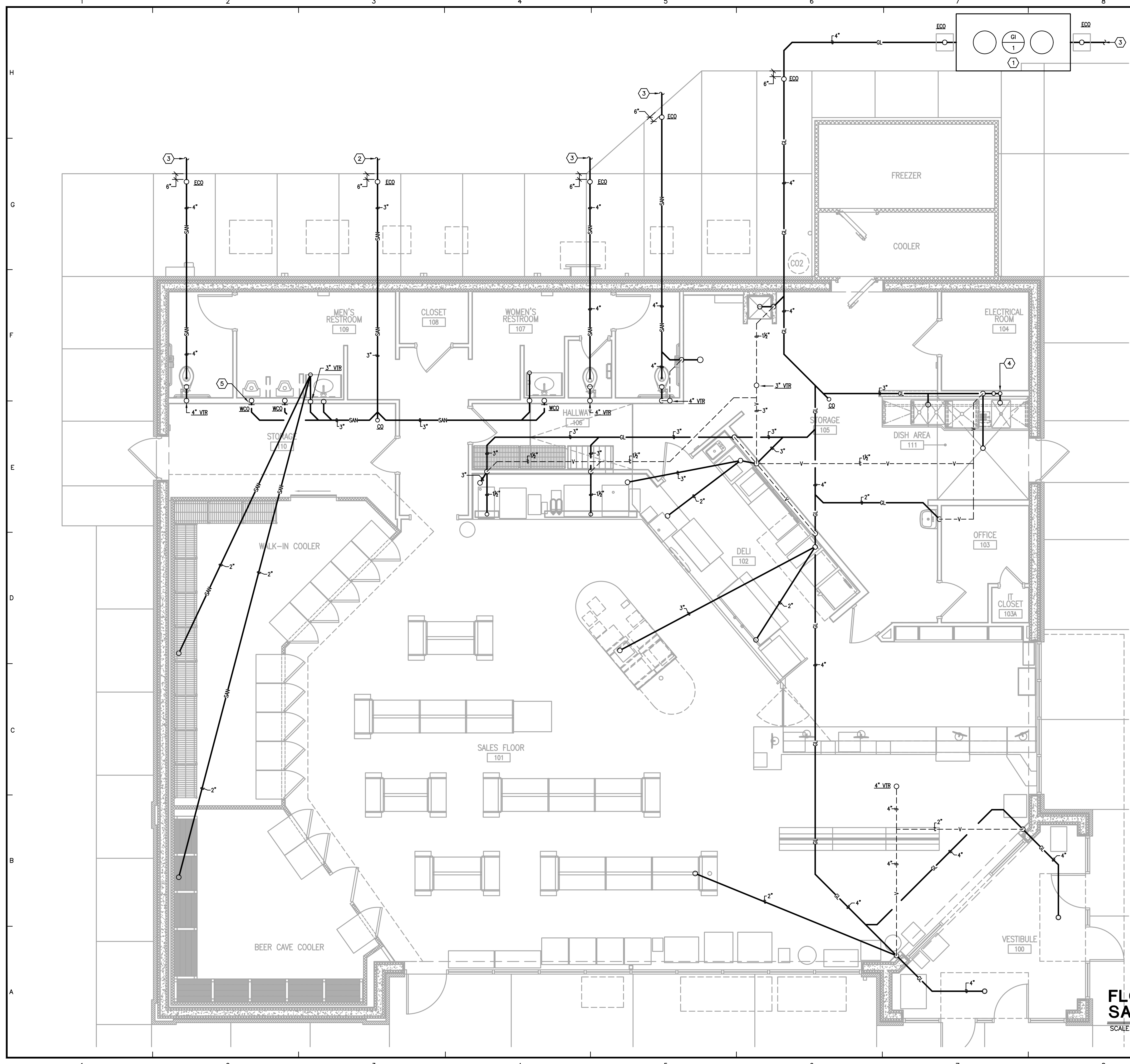
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Drawn By:	WTD
Checked By:	DRH
Revisions:	
Mark	Date
AHJ SEAL	

Project Number  
**24051.01**

**P-1.01**





- 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. PROVIDE P-TRAP WITH HUB FOR MAINTENANCE PURPOSES.
  5. ACCESS PANEL SHALL BE TRIMMED WITHOUT DOOR; LEFT OPEN (TYPICAL).

- 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.
  - 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 3/8"x1/2" 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"  
 1 P2.01

**CMW**  
 The Shape of Ideas  
 REVISIONS  
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 a: 249 East Main Street  
 Suite 100  
 Lexington, Kentucky 40507  
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 502-253-0100 | POC: JESSIE WATSON

**STATE OF KENTUCKY**  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 12888  
 JESSIE WATSON

**FLOOR PLAN - SANITARY WASTE AND VENT**  
**FiveStar - #5546 Lawrenceburg**  
**NEWCOMB OIL CO., LLC**  
**CARLTON CROSSING - LOT 7**  
**LAWRENCEBURG, KY 40342**

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 Revisions:

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Project Number  
**24051.01**

**P-2.01**

Plot Date: Monday, December 2, 2024 5:05:32 PM



### 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	3/4"	--	2"	1 1/2"
P-4	VORTEX WASH SYSTEM	(2) 3/4", (1) 1/2"	(2) 3/4", (1) 1/2"	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"
FS-1	12X12 SQUARE TOP FLOOR SINK - 3" OUTLET	--	--	3"	1 1/2"
TD-1	TROUGH DRAIN - 24" LONG	--	--	1 1/2"	1 1/2"
TD-2	TROUGH DRAIN - 96" LONG	--	--	1 1/2"	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 "2" 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 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 ON ROOF 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'-6" OFF OF THE ICF WALL.
- FURNISH AND INSTALL A ZURN MODEL GCM43-8GX COPPER MANIFOLD AT EACH GROUP OF SHUT-OFF VALVES LOCATED WITHIN CABINET SPACE.
- STUB UP WATER UNDER CABINET BESIDE THE DRAIN.

NEW GAS METER LOAD:

HVAC AIR HANDLING UNIT -	150,000 BTUH
DOMESTIC WATER HEATER -	180,000 BTUH
MAKE-UP AIR UNIT -	123,500 BTUH
KITCHEN EQUIPMENT -	298,000 BTUH
<b>TOTAL CONNECTED LOAD -</b>	<b>751,500 BTUH</b>

FLOOR PLAN - WATER AND GAS

FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

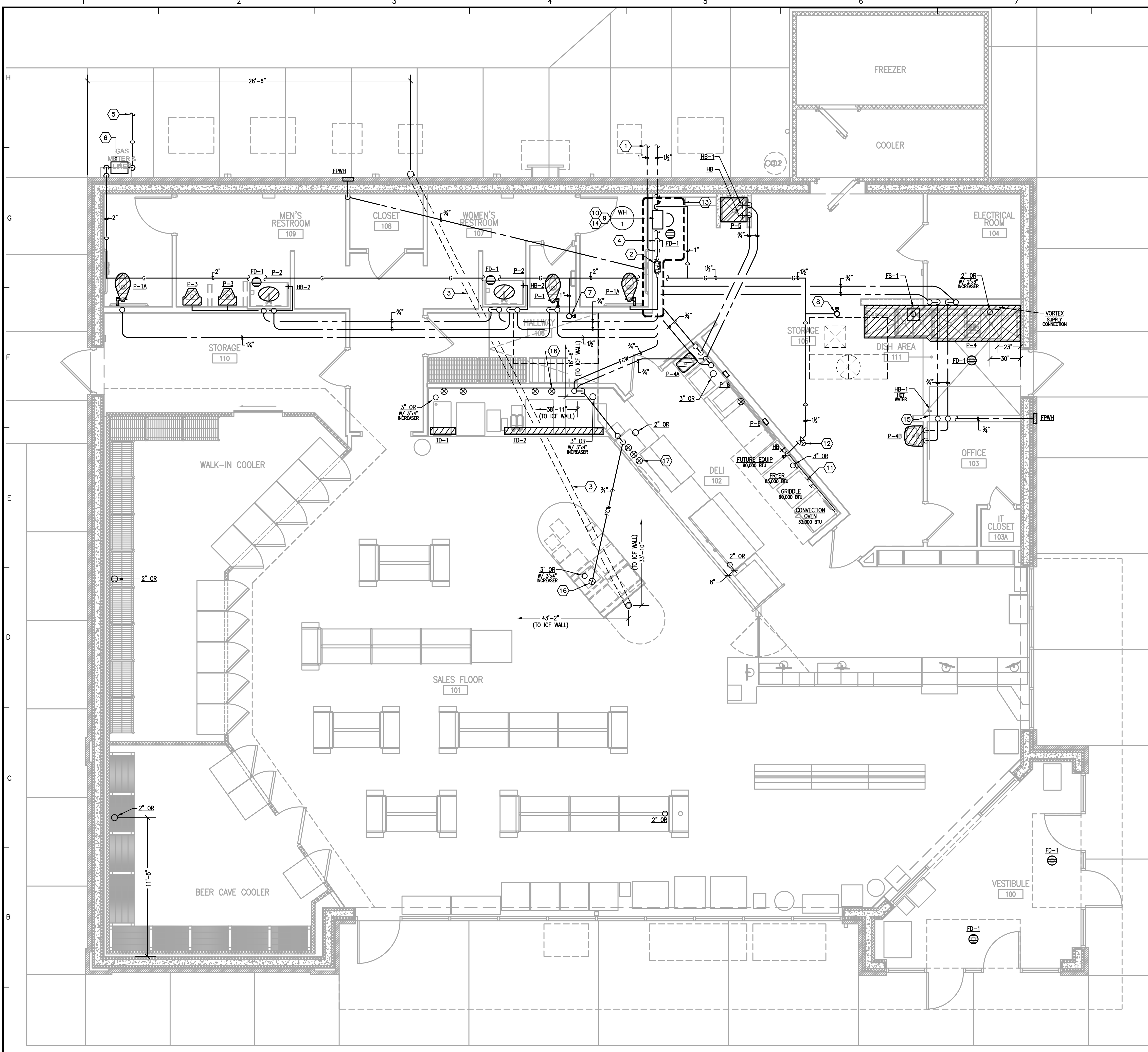
#### CONSTRUCTION DOCUMENTS

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Drawn By: WTD  
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Revisions:

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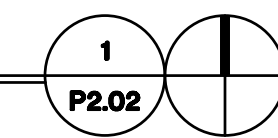
Project Number  
**24051.01**

**P-2.02**



### FLOOR PLAN - WATER AND GAS

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





EXHAUST FAN		
SYMBOL	EF-2	EF-3
MANUFACTURER	COOK	COOK
MODEL	GC-182	GC-162
CFM	225	150
S.P.	0.25"	0.25"
VOLTAGE	115/1/60	115/1/60
WATTS	169	96

- REMARKS:
- UNIT TO BE SUPPLIED WITH A BACKDRAFT DAMPER AND ALUMINUM EXTERIOR WALL CAP WITH BIRDSCREEN.
  - UNIT TO BE PROVIDED WITH SPEED CONTROLLER.

AIR BARRIER SCHEDULE	
DRAWING TAG	AB-1
MANUF. & MODEL	BERNER CHD10-1042A
MOUNTING TYPE	ABOVE DOOR
NOMINAL AIRFLOW (CFM)	1,784
MOTOR CONNECTION	208 / 1ϕ / 60
HEATER CONNECTION	N/A
MOTOR AMPERAGE	3.5
FAN SIZE / COUNT	1/2 HP / (1)
SOUND POWER (dBA)	66
REMARKS	1,2,3,4,5,6,7

- REMARKS:
- PROVIDE WITH NEMA 1 ROLLER DOOR SWITCH.
  - COORDINATE UNIT COLOR WITH OWNER.
  - PROVIDE WITH NON-FUSIBLE DISCONNECT IN ACCESSIBLE LOCATION.
  - FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
  - PROVIDE UNIT WITH MOUNTING ACCESSORIES AS NECESSARY.
  - PROVIDE UNIT WITH 5 YEAR WARRANTY.
  - UNIT IS TO HAVE A SINGLE POINT CONNECTION.

RANGE HOOD	
SYMBOL	RH-1
MANUFACTURER	ECON-AIR
MODEL	4224EX-2-B
SERVICE	DELI AREA
PHYSICAL SIZE	111"L X 42"D
INTEGRAL FIRE SUPPRESSION	NO
MOUNTING HEIGHT	6'-8" AFF
TYPE	TYPE 1
EXHAUST FAN	
MARK	EF-1
MANUFACTURER AND MODEL #	ECON-AIR - EAD05H
EXHAUST CFM/ESP	1850 / 1.1"
ELECTRICAL (V/ϕ/HZ)	115 / 1 / 60
FAN HP/RPM	1 HP / 1426
FLA	11.6
WEATHER PROOF DISCONNECT	YES
GREASE DRAIN	YES

- REMARKS:
- RANGE HOOD IS OWNER FURNISHED, OWNER INSTALLED.
  - PROVIDE THE HOOD IN ONE SECTION. ATTACH UNIT TO WALL WITH MANUFACTURER'S WALL BRACKET. COORDINATE MOUNTING LOCATION WITH THE ARCHITECT.
  - ALL COMPONENTS OF THE RANGE HOOD SHALL BE UL LISTED.
  - UNIT TO BE PROVIDED WITH ELECTRIC RELAY SWITCH BOX FOR ELECTRIC RANGE. COORDINATE INSTALLATION WITH THE ELECTRICAL CONTRACTOR.
  - PROVIDE EXHAUST FAN WITH GREASE BOX, GREASE CUP, AND MANUFACTURER'S ROOF CURB.
  - PROVIDE HOOD WITH LED LIGHT FIXTURES.
  - INFORMATION IS PROVIDED FOR COORDINATION PURPOSES.
  - FAN IS TO BE UL LISTED FOR KITCHEN USE AND GREASE LADEN VAPORS.
  - PROVIDE HOOD WITH 24" FIELD WRAPPER.
  - FAN AND LIGHT CONTROLS ARE TO BE MOUNTED ON FRONT OF HOOD. EACH SWITCH SHALL HAVE AN INDICATOR LIGHT AND IDENTIFICATION PLACARD. COORDINATE EXACT LOCATION WITH OWNER.
  - THE FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE UL LISTED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
  - THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.
  - THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN PLASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.
  - THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/LINKAGE ASSEMBLY.
  - BALANCING CONTRACTOR TO BALANCE EXHAUST FAN TO WITHIN 5% OF LISTED AIRFLOW.

MAKE-UP AIR UNIT	
GENERAL INFORMATION	
SYMBOL	MAU-1
MANUFACTURER	ECON-AIR
MODEL	EARTU1-1.125-15-ST-MPU
CFM / ESP	1665 / 0.5"
HP / RPM	1 HP / 1073
V/ϕ/HZ	208 / 1 / 60
MCA / MOP	48.4 / 50
INPUT (GAS)	123.5 MBH
TEMP. RISE	52° F
WEIGHT	1400 LBS
CONDENSING UNIT INFORMATION	
TOTAL / SENSIBLE CAPACITY (MBH)	64.0 / 30.0
ENTERING AIR DB / WB	88.1° F / 77.3° F
LEAVING AIR DB / WB	70.5° F / 67.1° F

- REMARKS:
- ALL COMPONENTS OF THE MAKEUP AIR UNIT SHALL BE UL LISTED.
  - PROVIDE UNIT WITH COOLING INTERLOCK RELAY.
  - PROVIDE WITH LOW-FIRE START.
  - PROVIDE WITH SINGLE POINT POWER CONNECTION.
  - PROVIDE WITH DX COOLING INTAKE AIR THERMOSTAT AND RELAYS MOUNTED IN UNIT.
  - PROVIDE MAKEUP AIR UNIT WITH FACTORY MOUNTED AND WIRED CONTROL PANEL. PANEL SHALL CONTAIN (1) POWER DISCONNECT SWITCH AND (1) STARTER FOR SUPPLY FAN AND (1) STARTER FOR THE EXHAUST FAN. PANEL SHALL BE PRE-WIRED IN A NEMA OUTDOOR ENCLOSURE WITH STAINLESS STEEL HINGED AND LOCKABLE COVER.
  - PROVIDE A FULL PERIMETER ROOF CURB FOR MAKE-UP AIR UNIT.
  - PROVIDE WITH MOTORIZED BACKDRAFT DAMPER IN INTAKE OF UNIT. INTERLOCKED TO OPEN WITH SUPPLY FAN. DAMPER SHALL HAVE SEALS.
  - PROVIDE A REMOTE RANGEHOOD CONTROL PANEL WHERE INDICATED ON THE NEW WORK DRAWINGS. PANEL SHALL HAVE TWO (2) SWITCHES; (1) ACTIVATE SUPPLY AND EXHAUST FAN, (2) ACTIVATE HOOD LIGHTS, EACH SWITCH SHALL HAVE AN INDICATOR LIGHT AND IDENTIFICATION PLACARD.
  - PROVIDE WITH MODULATING GAS VALVE.
  - BALANCING CONTRACTOR TO BALANCE MAU TO WITHIN 5% OF LISTED AIRFLOW.

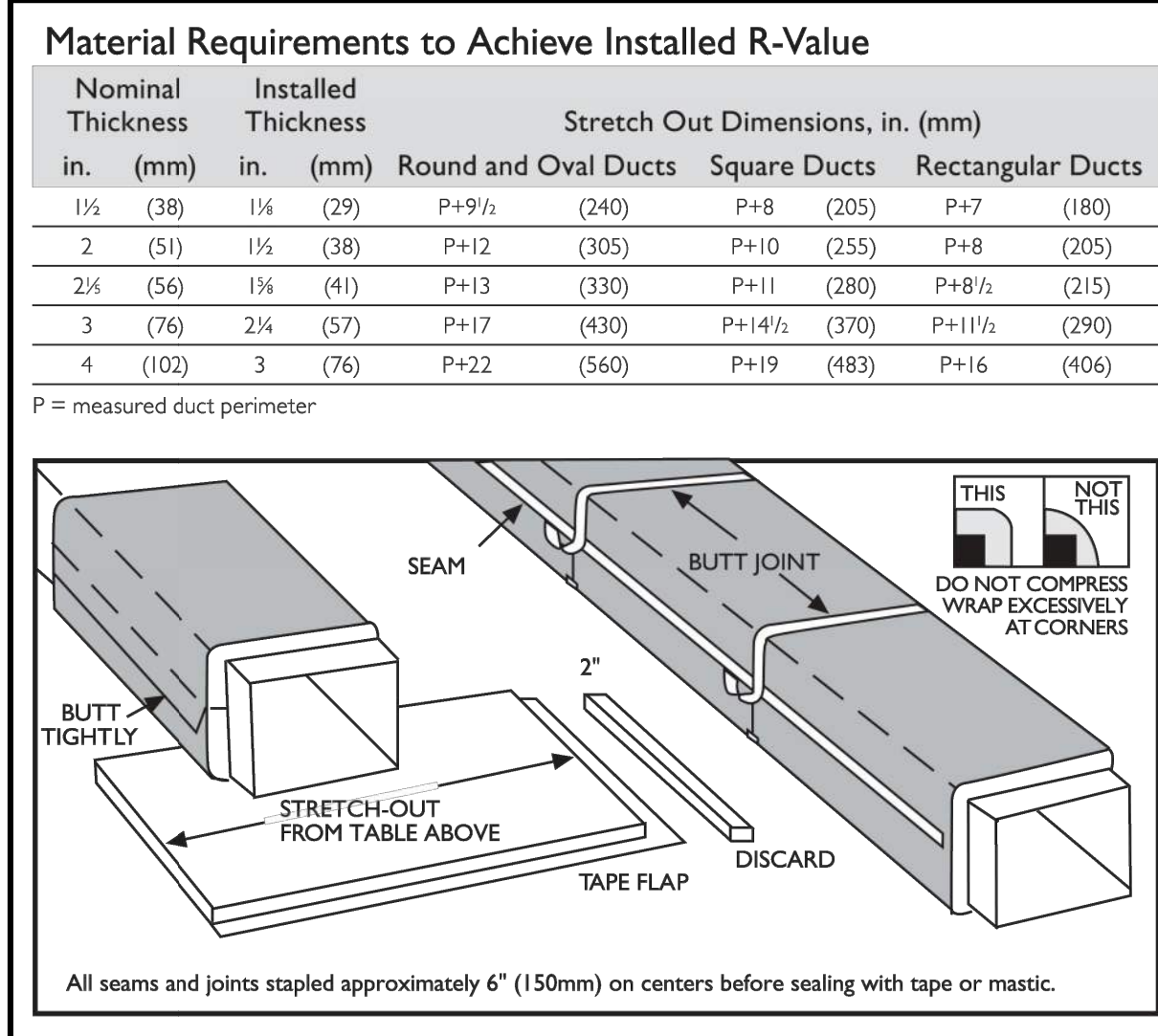
PACKAGED COOLING UNIT		
SYMBOL	PCU-1	PCU-2
AREA SERVED	GENERAL	SALES FLOOR
TYPE OF SYSTEM	DX COOLING / GAS HEAT	DX COOLING ONLY
MANF. & MODEL	TRANE YSK120	TRANE TSK060A3
CONFIGURATION	HORIZONTAL	HORIZONTAL
SINGLE POINT CONNECTION	YES	YES
VOLTAGE / PHASE	208 / 3ϕ	208 / 3ϕ
MCA / MOP	57.0 / 80.0	29.0 / 45.0
REMARKS (SEE NOTES BELOW)	1-17	1,2,3,4,6,8,11,12,13,15
SUPPLY FAN		
DESIGN CFM/RPM	4000 / 1553	2000 / 1073
MIN. OUTSIDE AIR (CFM)	575	0
HP / BHP	3.0 / 2.58	1.0 / 0.56
VOLTS / PHASE / HZ	208 / 3 / 60	208 / 3 / 60
ESP	1.0"	0.47"
TSP	1.6"	0.96"
DX COIL		
NET TOTAL COOLING CAP. (MBH)	112.0	54.0
NET SENSIBLE COOLING CAP. (MBH)	92.4	47.1
TOTAL CFM	4000	2000
FACE VELOCITY (FPM)	240	245
NUMBER OF COMPRESSORS	2	1
EAT - SUMMER (DB/WB)	76.0 F / 63.0 F	75.0 F / 61.0 F
LAT - SUMMER (DB/WB)	53.3 F / 52.7 F	51.3 F / 50.7 F
EER @ AHRI	11.0	12.0
HOT GAS REHEAT CAPACITY		
CAPACITY (MBH)	76.8	N/A
REHEAT COIL LAT (DB)	53.8 F	N/A
COIL MOISTURE REMOVAL (GAL/HR)	4.4	N/A
GAS HEATING		
FUEL	NATURAL GAS	NATURAL GAS
INPUT / OUTPUT HEATING CAP. (MBH)	150.0 / 121.5	N/A
EAT - WINTER (DB/WB)	70.0 F	N/A
LAT - WINTER (DB/WB)	97.6 F	N/A
DISPOSABLE PRIMARY FILTER		
TYPE	THROWAWAY	THROWAWAY
EFFICIENCY	MERV 8 PLEATED	MERV 8 PLEATED
SIZE (W" x H" x D")	(2) 18x24x2, (3) 24x16x2	(4) 20x20x2

- REMARKS:
- PROVIDE FLEXIBLE CONNECTIONS FOR ALL DUCTWORK AND PIPING CONNECTIONS TO UNIT.
  - SLOPE CONDENSATE DRAIN TO OUTLET.
  - PROVIDE WITH HIGH EFFICIENCY FAN MOTORS.
  - PROVIDE UNIT WITH A SINGLE POINT CONNECTION. FACTORY INSTALLED STARTER. UNIT IS TO BE EQUIPPED WITH THROUGH-THE-BASE ELECTRICAL WITH FACTORY DISCONNECT SWITCH OPTION.
  - PROVIDE WITH HONEYWELL MODEL TH8321R1001 REDLINK PROGRAMMABLE THERMOSTAT, HONEYWELL MODEL C7189R1004 REDLINK REMOTE TEMPERATURE SENSORS, AND HONEYWELL MODEL THM600R1002 REDLINK INTERNET GATEWAY.
  - PROVIDE UNIT WITH HAIL GUARD.
  - PROVIDE WITH A 120V SERVICE OUTLET.
  - PROVIDE WITH 14" HIGH ROOF CURB AND SEISMIC BRACING.
  - MOTORIZED OUTSIDE AIR DAMPER. (BALANCE MINIMUM OA TO 575 CFM.)
  - PROVIDE UNIT WITH ENTHALPY ECONOMIZER AND ECONOMIZER HOOD.
  - PROVIDE UNIT WITH HINGED ACCESS DOORS FOR FILTER RACK.
  - BALANCE REPORT SHALL BE TURNED OVER TO GENERAL CONTRACTOR.
  - UNIT MANUFACTURER SHALL BE TRANE. NO EXCEPTIONS.
  - PROVIDE UNIT WITH BAROMETRIC RELIEF HOOD.
  - PROVIDE UNIT WITH FACTORY MOUNTED RETURN AIR SMOKE DETECTOR.
  - PROVIDE UNIT WITH HOT GAS REHEAT FOR DEHUMIDIFICATION MODE AND DUCT-MOUNTED HUMIDISTAT SET AT 50% RELATIVE HUMIDITY.
  - PROVIDE UNIT WITH MULTI-SPEED SUPPLY FAN STAGED WITH COMPRESSORS.

MECHANICAL LEGEND	
AFF	ABOVE FINISHED FLOOR
TYP	TYPICAL
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
	TAGGED NOTE
	MECHANICAL EQUIPMENT DESIGNATOR
	SUPPLY AIR DUCT - INSIDE DIMENSION (TURNED UP/DOWN)
	RETURN AIR DUCT - INSIDE DIMENSION (TURNED UP/DOWN)
	EXHAUST/RELIEF AIR DUCT - INSIDE DIMENSION (TURNED UP/DOWN)
	FLEXIBLE DUCT
	ACCESS DOOR IN BOTTOM OF DUCT
	ACCESS DOOR IN SIDE OF DUCT
	OPPOSED BLADE DAMPER (MOTORIZED)
	VOLUME DAMPER (MANUAL)
	TURNING VANES
	TEMPERATURE SENSOR
	REMOTE TEMPERATURE SETPOINT CONTROLLER
	DUCT SMOKE DETECTOR

REGISTERS, GRILLES, AND DIFFUSERS							
SYMBOL	MANUF. & MODEL	MATERIAL & TYPE	CFM RANGE	PHYSICAL SIZE			REMARKS
				OVERALL FACE SIZE	NECK SIZE	INLET DUCT SIZE	
S-1	TITUS TMRA	STEEL CONSTRUCTION 4 CONE 360° UNIFORM PATTERN	0-130	20"ϕ	6"ϕ	6"ϕ	3
S-2	TITUS TMRA	STEEL CONSTRUCTION 4 CONE 360° UNIFORM PATTERN	131-250	22.5"ϕ	8"ϕ	8"ϕ	3
S-3	TITUS TMRA	STEEL CONSTRUCTION 4 CONE 360° UNIFORM PATTERN	251-375	22.5"ϕ	10"ϕ	10"ϕ	3
S-4	TITUS TMSA	STEEL CONSTRUCTION 3 CONE 360° PATTERN	0-100	12"x12"	6"ϕ	6"ϕ	1, 2, 3, 5, 7
S-5	TITUS 300RS	EXTRUDED ALUMINUM DOUBLE DEFLECTION 3/4" SPACING	0-450	14"x12"	12"x10"	12"x10"	3, 4
S-6	KRUEGER DPL	EXTRUDED ALUMINUM DRUM LOUVER ADJUSTABLE BLADES	0-670	22"x12"	20"x10"	20"x10"	3, 4
R-1	TITUS 350ZRL	STEEL LOUVERED GRILLE 3/4" BLADE SPACING 0° DEFLECTION	425	14"x12"	12"x10"	12"x10"	3, 4
R-2	TITUS 23RL	STEEL RETURN GRILLE 45° DEFLECTION 3/4" BLADE SPACING	3000	48"x48"	46"x46"	46"x46"	3, 5, 6
R-3	TITUS 355RL	STEEL LOUVERED GRILLE 1/2" BLADE SPACING 35° DEFLECTION	0-100	12"x10"	10"x8"	10"x8"	3, 4
T-1	HART & COOLEY TG	ALUMINUM CONSTRUCTION TYPE "B" BLADE VISION PROOF	0-100	12"x12"	10"x10"	10"x10"	3, 4

- REMARKS:
- INLET TRANSITION BOX, ROUND TO RECTANGULAR.
  - PROVIDE WITH MOLDED INSULATION BLANKET ON DIFFUSER.
  - PROVIDE WHITE IN COLOR.
  - GRILLE SHALL BE SIDEWALL/DUCT MOUNTED.
  - CEILING SURFACE MOUNTED.
  - PROVIDE WITH PLENUM BOX. PAINT INTERIOR OF PLENUM BOX WITH FLAT BLACK PAINT.
  - PROVIDE DESIGNATED TYPE "B" DIFFUSERS WITH 3-WAY THROW.



- GENERAL NOTES (APPLICABLE TO ALL DRAWINGS)
- EACH CONTRACTOR, SUPPLIER AND, OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS AND AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
  - ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
  - OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
  - ALL SYSTEMS, EQUIPMENT, AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT DONE SO SHALL BE REMOVED AND REINSTALLED SATISFACTORILY.
  - WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
  - DO NOT SCALE FROM DRAWINGS. PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
  - THE PURPOSE AND INTENT OF ALL THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
  - ANY VIBRATING, OSCILLATING, OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
  - INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORD WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, NOTIFY THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION.
  - 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.
  - DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
  - THE GENERAL CONTRACTOR FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING, AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC.
  - VALVES, BALANCING DAMPERS, OR ANY MECHANICAL/ELECTRICAL ITEM SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT.
  - THE GENERAL CONTRACTOR SHALL ENSURE PROPER COORDINATION BETWEEN ALL TRADES SUCH THAT CONDUITS, PIPING, DUCTWORK, ETC. DO NOT BLOCK ACCESS TO VALVES, EQUIPMENT, DUCT ACCESS DOORS, ETC. ITEMS THAT HAVE BEEN INSTALLED WHERE ACCESS IS COMPROMISED SHALL BE RELOCATED AT THE CONTRACTOR'S EXPENSE.
  - REFER TO DETAIL SHEETS FOR ADDITIONAL PIPING/DUCTWORK INSTALLATION REQUIREMENTS.
  - THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE AND SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR THE EQUIPMENT ROUGH-IN DRAWINGS. IN SOME INSTANCES, THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR THE EQUIPMENT ITEM MAY VARY FROM WHAT IS SHOWN. THEREFORE, THE ARCHITECT/ENGINEER SHALL BE IMMEDIATELY NOTIFIED, PRIOR TO CONSTRUCTION OF ANY DEVIATIONS FROM WHAT IS SHOWN OR IMPLIED ON THESE DRAWINGS. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR THEIR LOCATIONS SHALL PLACE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THE CONTRACTOR.

**CMW**  
The Shape of Ideas

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**MECHANICAL LEGEND AND SCHEDULES**

FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

CONSTRUCTION DOCUMENTS

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Checked By: DRH

Revisions:

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AHJ SEAL

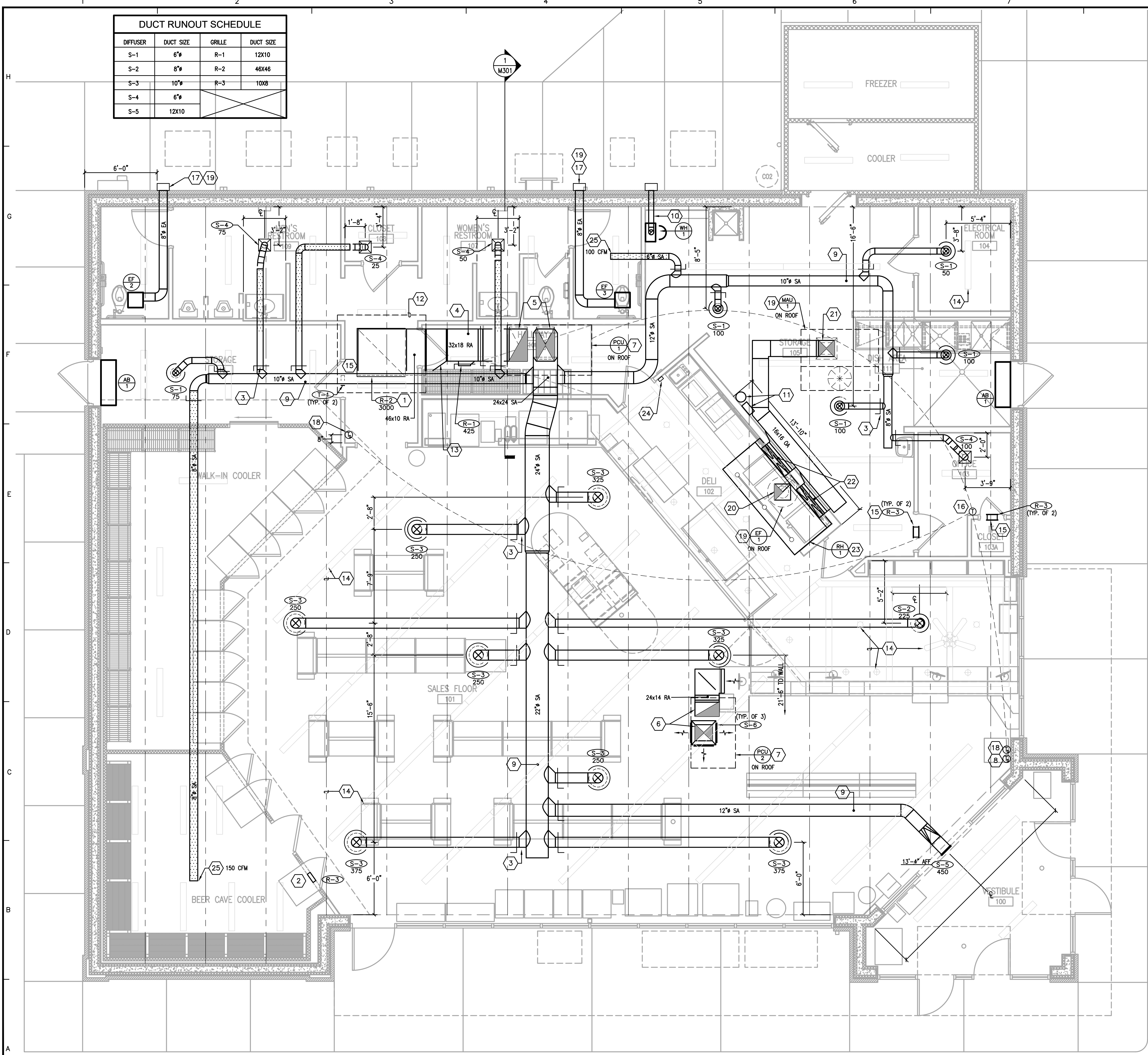
Project Number  
**24051.01**

**M-1.01**

PLOT DATE: Monday, December 2, 2024 5:04:54 PM



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		

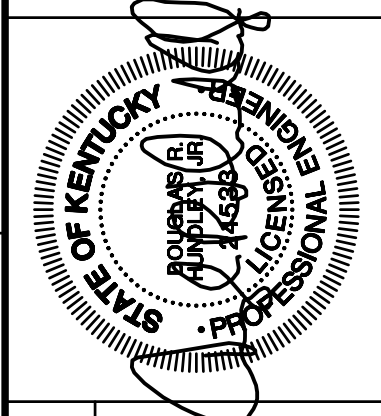
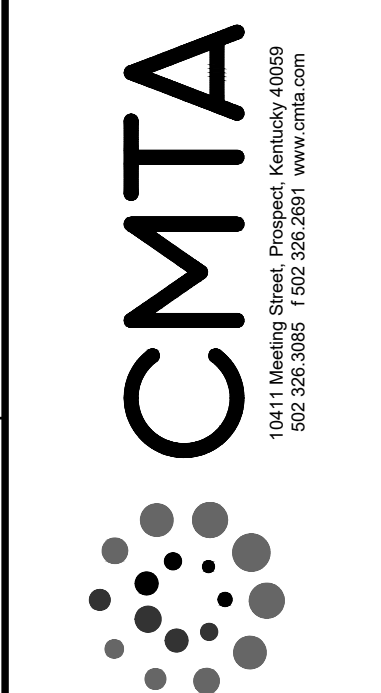
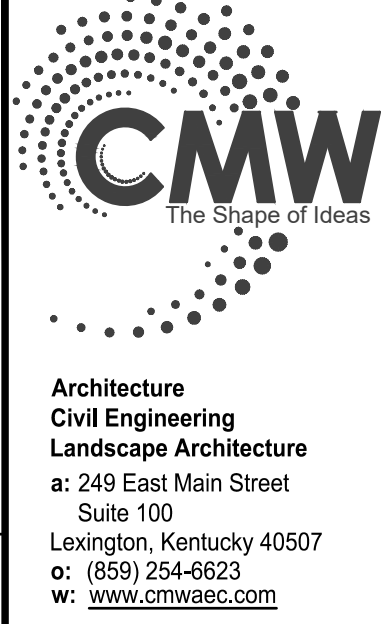


- GENERAL NOTES:
- ALL OPEN-CEILING AREAS SHALL UTILIZE A RIGID DUCT CONNECTION (WITH SUPPORTS) TO DIFFUSER. DIFFUSER SHALL BE MOUNTED AT A TYPICAL ELEVATION OF 11'-0" UNLESS OTHERWISE SHOWN ON DRAWING. TYPICAL PLACEMENT OF DIFFUSER IN OPEN-CEILING AREAS ARE CENTERED BETWEEN JOISTS UNLESS SPECIFIC DIMENSION IS SHOWN ON DRAWING.
  - ALL RECTANGULAR, ROUND, AND FLEXIBLE DUCTS SHALL BE SIZED AS SHOWN ON THESE DRAWINGS. MINIMUM INTERNAL DIMENSIONS ARE GIVEN.
  - INSTALL TURNING VANES IN ALL 90 DEGREE SUPPLY AND RETURN DUCT ELBOWS AND AT ALL DUCT TEES.
  - 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.
  - CONTRACTOR SHALL HAVE ALL THERMOSTATS/TEMPERATURE SENSORS CALIBRATED TO MANUFACTURER'S SPECIFICATIONS PRIOR TO TURNING SYSTEM OVER TO OWNER.
  - BALANCE DIFFUSERS AND GRILLES TO AIRFLOWS INDICATED ON PLAN. PROVIDE AIR-BALANCE REPORT TO GENERAL CONTRACTOR.
  - MANUFACTURER'S RECOMMENDED CLEARANCES SHALL BE MAINTAINED FOR ALL MECHANICAL EQUIPMENT. ALL PIPING VALVES AND MANUAL VOLUME DAMPERS SHALL BE EASILY ACCESSIBLE.
  - FLEXIBLE DUCTWORK IS ALLOWED FOR USE ON CONCEALED DUCTWORK. REFER TO DETAIL SHEET FOR MORE INFORMATION.
  - 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.
  - 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 690 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.
  - 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:
- ORIENT RETURN GRILLE SO THAT OPENING IS DIRECTED TOWARD HALLWAY ENTRY (AWAY FROM BATHROOMS). PAINT INTERIOR OF RETURN PLENUM WITH FLAT BLACK PAINT.
  - TRANSFER GRILLE IS TO BE MOUNTED ABOVE COOLER ROOF, FACING OUT. PROVIDE GRILLE WITH 1/2" MESH SCREEN.
  - 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.
  - INSTALL RETURN DUCTWORK AS HIGH AS POSSIBLE, HOLDING TIGHT TO STRUCTURE. BOTTOM OF DUCT WILL BE AT A MINIMUM OF 9'-0".
  - TRANSITION FROM 24"x24" SA AND 32"x18" RA DUCT TO SIZE OF UNIT OPENING AS NECESSARY USING MITERED-TRANSITIONAL ELBOWS WITH TURNING VANES. PROVIDE FLEX CONNECTION AT UNIT FOR SUPPLY/RETURN DUCTWORK.
  - 24"x24" SA AND 24"x14" RA DUCTS UP TO PCU-2. TRANSITION TO SIZE OF UNIT OPENING AS NECESSARY, PROVIDING FLEX CONNECTION AT UNIT. SUPPLY AIR DUCT SHALL EXTEND 15" BEYOND BOTTOM OF JOISTS WITH DRUM DIFFUSERS MOUNTED ON THREE SIDES AS INDICATED. ROUTE RETURN DUCTWORK WITHIN JOIST SPACE AND PROVIDE EXPANDED METAL GRATE AT END OF DUCT.
  - MAINTAIN A 10'-0" MINIMUM DISTANCE FROM PCU'S OUTDOOR AIR INTAKE AND ANY EXHAUST SOURCE OR PLUMBING VENTS. COORDINATE LOCATION WITH STRUCTURAL AND IN ENSURE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE IS MAINTAINED. UNIT MUST BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ROOF'S EDGE. SPILL CONDENSATE TO ROOF.
  - INSTALL PCU-2 TEMPERATURE SENSOR IN LOCATION SHOWN. COORDINATE ELEVATION WITH OWNER.
  - SUPPLY DUCT MAIN SHALL BE INSTALLED TO FOLLOW SLOPE OF ROOF WITHIN JOIST SPACE. ALL BRANCH DUCTWORK SHALL BE COORDINATED WITH JOIST OPENINGS.
  - 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 WITH FINAL TERMINATION ABOVE OUTSIDE COOLERS. MAINTAIN 10'-0" CLEARANCE FROM TERMINATION TO PCU-1'S INTAKE.
  - MOUNT FIRE SUPPRESSION SYSTEM FOR RH-1 AS HIGH AS POSSIBLE. SEE SHEET M1.01 FOR MORE INFORMATION.
  - SPACE IN THIS AREA IS LIMITED. COORDINATE DUCT ROUTING WITH CEILING AND STRUCTURAL JOISTS.
  - INSTALL ECCENTRIC TRANSITION DUCT FITTING. SLOPE OF TRANSITION IS NOT TO EXCEED 1:4.
  - CEILING FANS, STRUCTURAL JOISTS, AND LIGHTS ARE SHOWN FOR COORDINATION PURPOSES ONLY. (TYPICAL)
  - TRANSFER AIR GRILLES CENTERED ABOVE DOOR. REFER TO DETAIL SHEET.
  - 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 U11 ON THE THERMOSTAT IN THE GENERAL MANAGER'S OFFICE TO TERMINAL 7 AND 12 ON THE LTB BOARD LOCATED ON THE HVAC UNIT.
  - EXHAUST CAP AT ELEVATION OF 10'-8". REFER TO DETAIL SHEET FOR MORE INFORMATION.
  - INSTALL PCU-1 TEMPERATURE SENSOR IN LOCATION SHOWN. COORDINATE ELEVATION WITH OWNER PRIOR TO INSTALLATION.
  - 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.
  - 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.
  - 16X16 OA DUCT UP TO MAU-1. TRANSITION DUCTWORK TO FIT ROOF CURB BEFORE ROOF PENETRATION. ROOF CUTOUT FOR CURB SHALL BE 18"x18".
  - 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.
  - RANGE HOOD IS OWNER FURNISHED, OWNER INSTALLED.
  - PULL STATION LOCATION FOR RANGE HOOD FIRE SUPPRESSION SYSTEM.
  - TERMINATE END OF DUCTWORK IN PLENUM CAVITY WITH 1/2" X 1/2" WIRE MESH SCREEN AND BALANCE DUCT RUN TO AIRFLOW INDICATED.

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



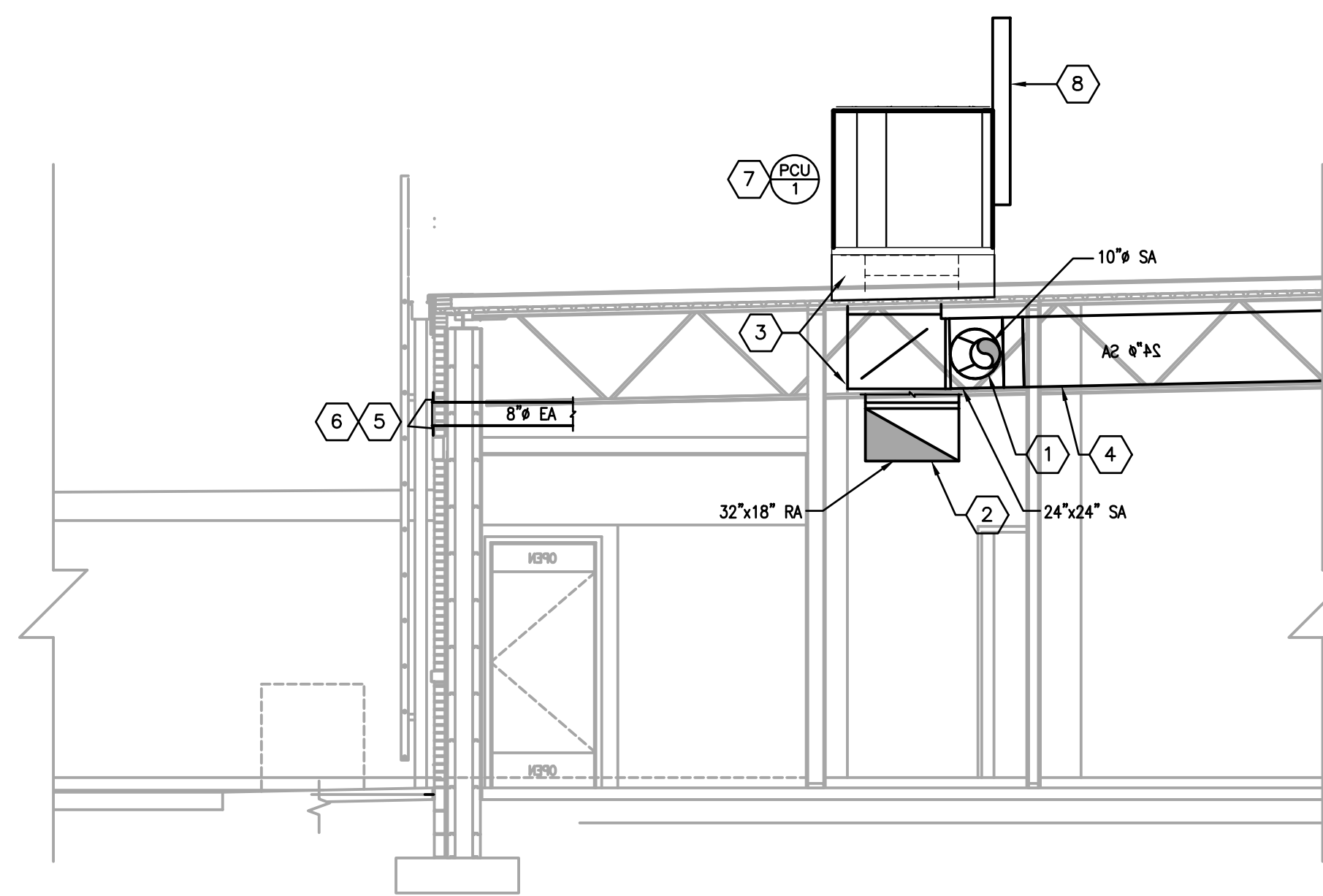
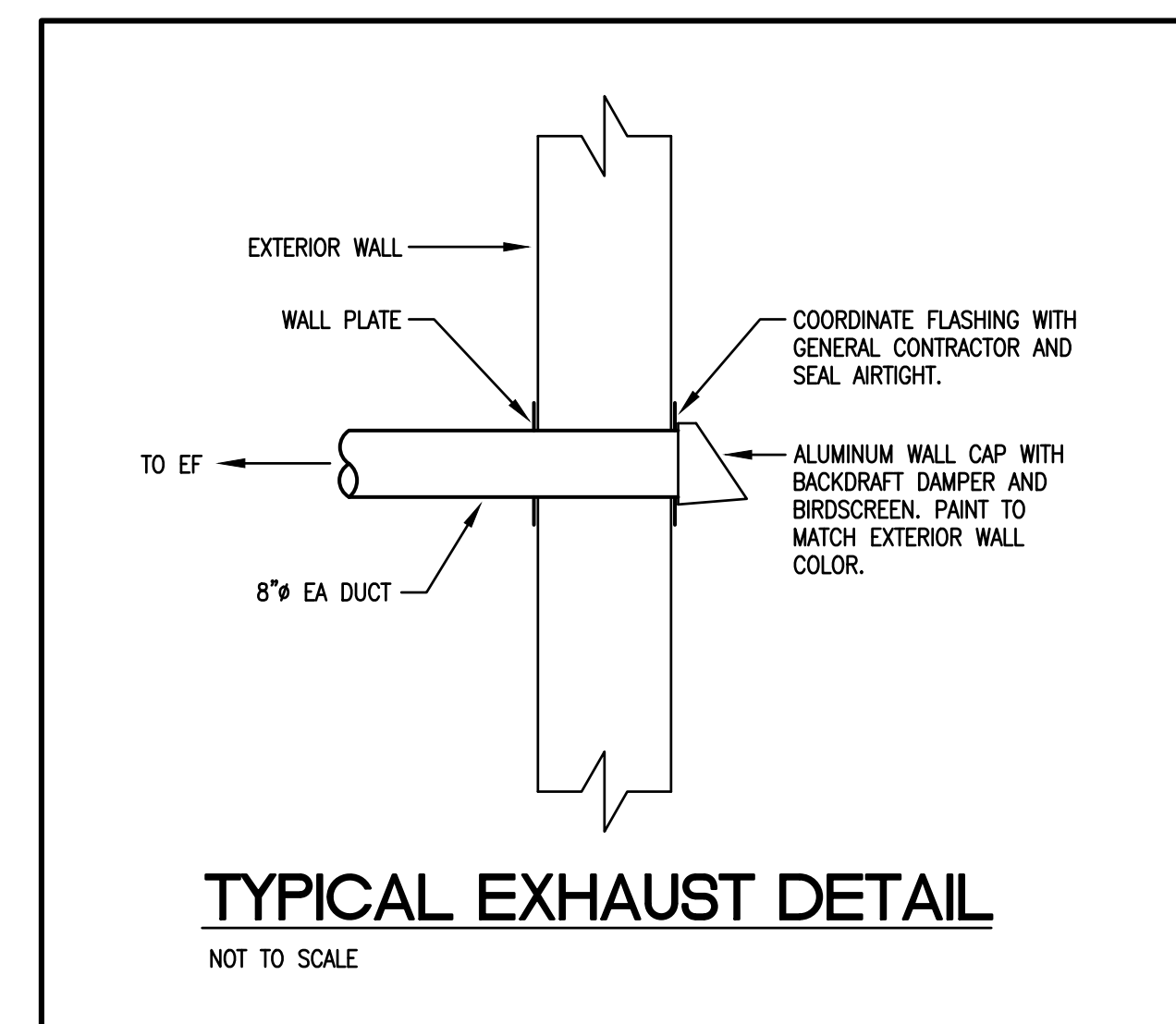
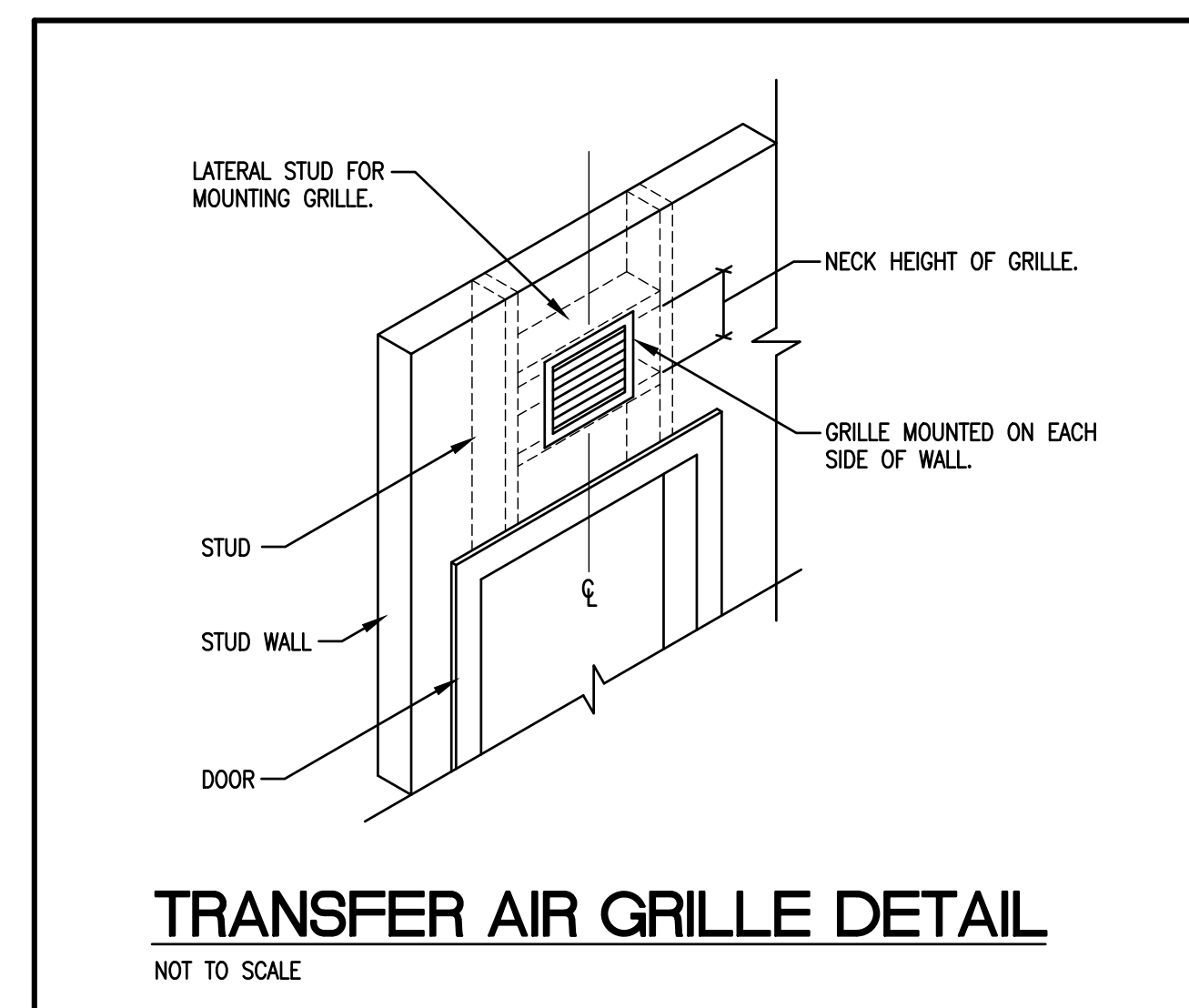
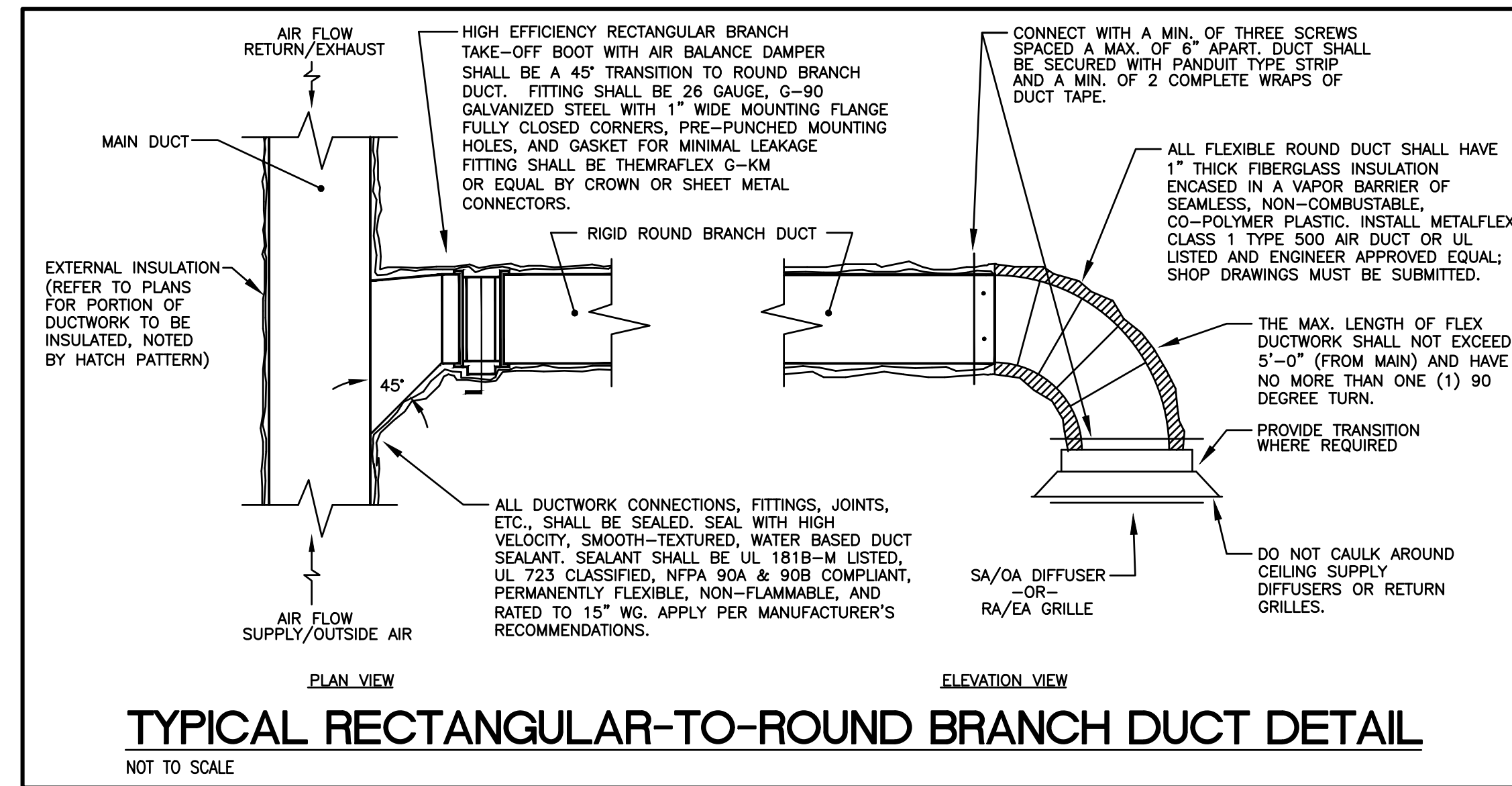
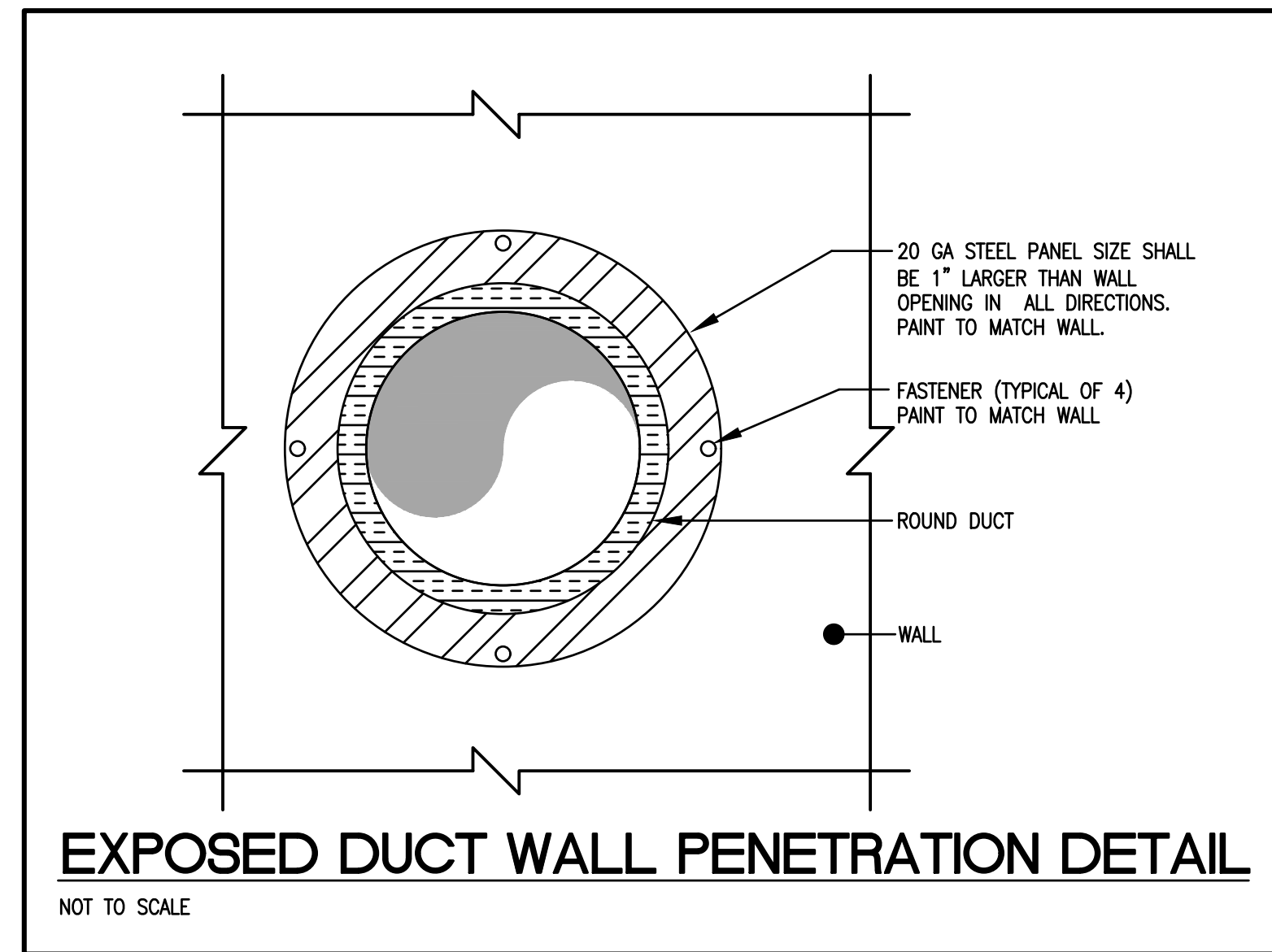
FLOOR PLAN - MECHANICAL  
FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

CONSTRUCTION DOCUMENTS

Issue Date:	December, 02 2024
Drawn By:	WTD
Checked By:	DRH
Revisions:	
Mark	Date
AHJ SEAL	
Project Number	24051.01

M-2.01





- GENERAL NOTES:**
- 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.
  - ALL RECTANGULAR, ROUND, AND FLEXIBLE DUCTS SHALL BE SIZED AS SHOWN ON THESE DRAWINGS. MINIMUM INTERNAL DIMENSIONS ARE GIVEN.
  - INSTALL TURNING VANES IN ALL 90 DEGREE SUPPLY AND RETURN DUCT ELBOWS AND AT ALL DUCT TEES.
  - 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.
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  - MANUFACTURER'S RECOMMENDED CLEARANCES SHALL BE MAINTAINED FOR ALL MECHANICAL EQUIPMENT. ALL PIPING VALVES AND MANUAL VOLUME DAMPERS SHALL BE EASILY ACCESSIBLE.
  - FLEXIBLE DUCTWORK IS ALLOWED FOR USE ON CONCEALED DUCTWORK. REFER TO DETAIL SHEET FOR MORE INFORMATION.
  - 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.
  - 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.
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- MECHANICAL TAG NOTES:**
- PROVIDE HIGH EFFICIENCY TAKEOFFS AND VOLUME DAMPERS IN ALL BRANCH DUCT WORK. REFER TO DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION. TYPICAL OF ALL.
  - INSTALL RETURN DUCTWORK AS HIGH AS POSSIBLE, HOLDING TIGHT TO STRUCTURE. BOTTOM OF DUCT WILL BE AT A MINIMUM OF 9'-0".
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  - SUPPLY DUCT MAIN SHALL BE INSTALLED TO FOLLOW SLOPE OF ROOF WITHIN JOIST SPACE. ALL BRANCH DUCTWORK SHALL BE COORDINATED WITH JOIST OPENINGS.
  - EXHAUST CAP AT ELEVATION OF 10'-8". REFER TO DETAIL THIS SHEET FOR MORE INFORMATION.
  - MAINTAIN A 10'-0" MINIMUM DISTANCE FROM EXHAUST FAN OUTLET TO MECHANICAL EQUIPMENT'S INTAKE.
  - MAINTAIN A 10'-0" MINIMUM DISTANCE FROM PCU-1'S OUTDOOR AIR INTAKE AND ANY EXHAUST SOURCE OR PLUMBING VENTS. COORDINATE LOCATION WITH STRUCTURAL AND IN ENSURE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCE IS MAINTAINED. UNIT MUST BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ROOF'S EDGE. SPILL CONDENSATE TO ROOF.
  - 20 GAUGE STAINLESS STEEL, ACCESSORY FLUE STACK BY THYBAR CORPORATION TO MATCH TRANE MODEL. EXTEND THE FLUE STACK 36" ABOVE UNIT'S MECHANICAL INTAKE. THE STACK IS TO BE MOUNTED JUST ABOVE THE FLUE OPENING AND IN LINE WITH TRANE PANEL AS TO NOT OBSTRUCT EQUIPMENT'S SERVICE CLEARANCE AND ACCESS PANELS.

REVISIONS

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Lexington, Kentucky 40507  
o: (859) 254-6623  
w: www.cmwae.com

1001 1/2 University Street, Lexington, Kentucky 40508  
505-254-6623 | 1-800-828-0000 | www.cmta.com

MECHANICAL SECTION VIEWS AND DETAILS

FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

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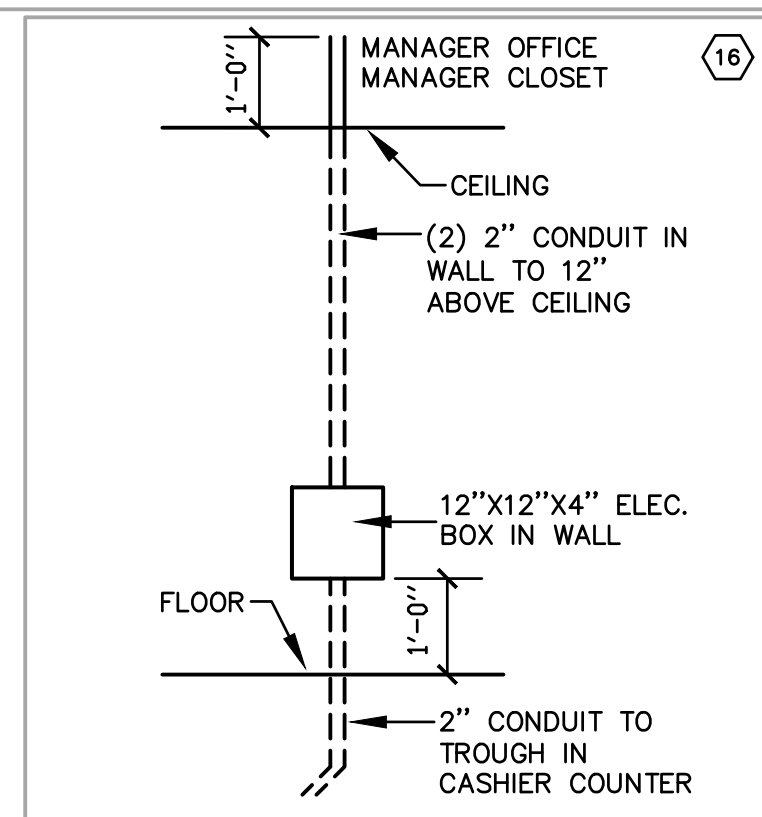
**M-3.01**



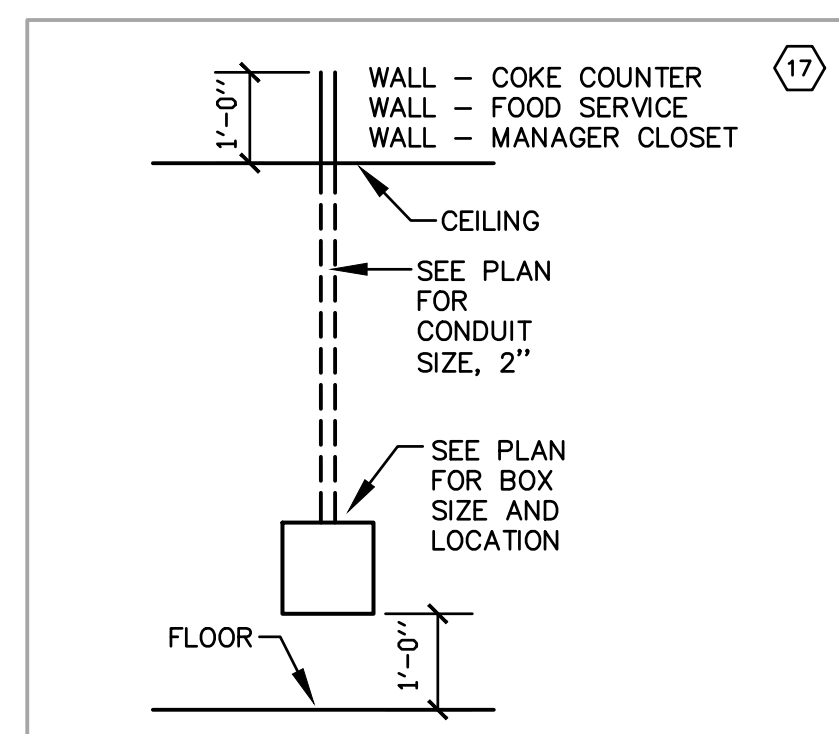
**LIGHT FIXTURE SCHEDULE**

TYPE	DESCRIPTION	MODEL	LAMPS	REMARKS	VOLTAGE
A4 72 FIXTURES	4' LED WITH HIGH STRENGTH POLYMER REFLECTOR AND HOUSING WITH THROUGH 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 CW 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.	IDTA EMIV400	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/IC630C	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 CW 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 PDWER SUPPLY (2) LSI RPSE100 LED 120 PDWER 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 PWMS LED HD CW 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 2TMLED 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 TMLED V1 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			

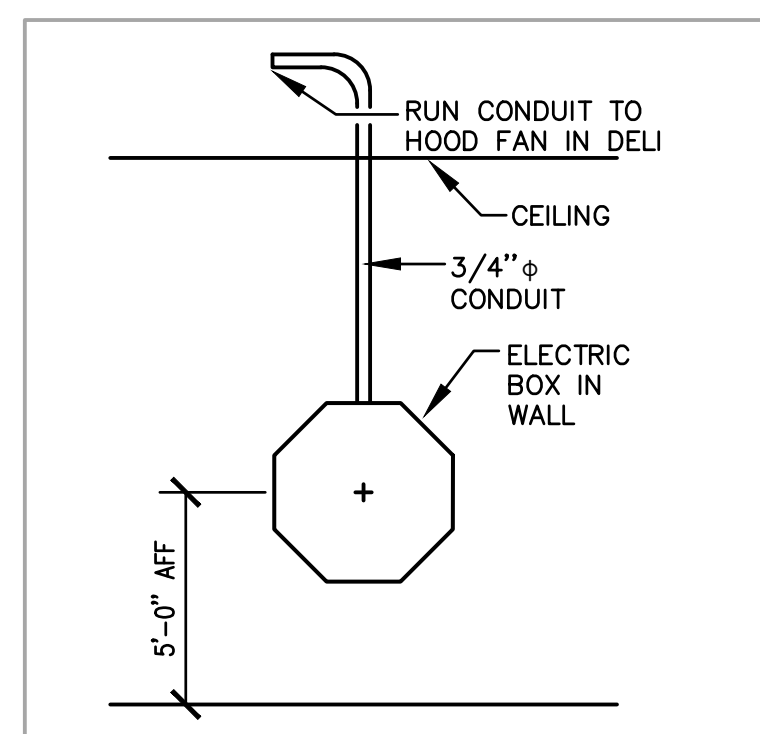
**EXTERIOR LIGHTING TIMECLOCK:**  
PROVIDE INTERMATIC ET9015C SINGLE CIRCUIT 365 DAY TIME CLOCK FOR EXTERIOR LIGHTING THROUGH SHUNT TRIP FUNCTION OF PANEL "D1"



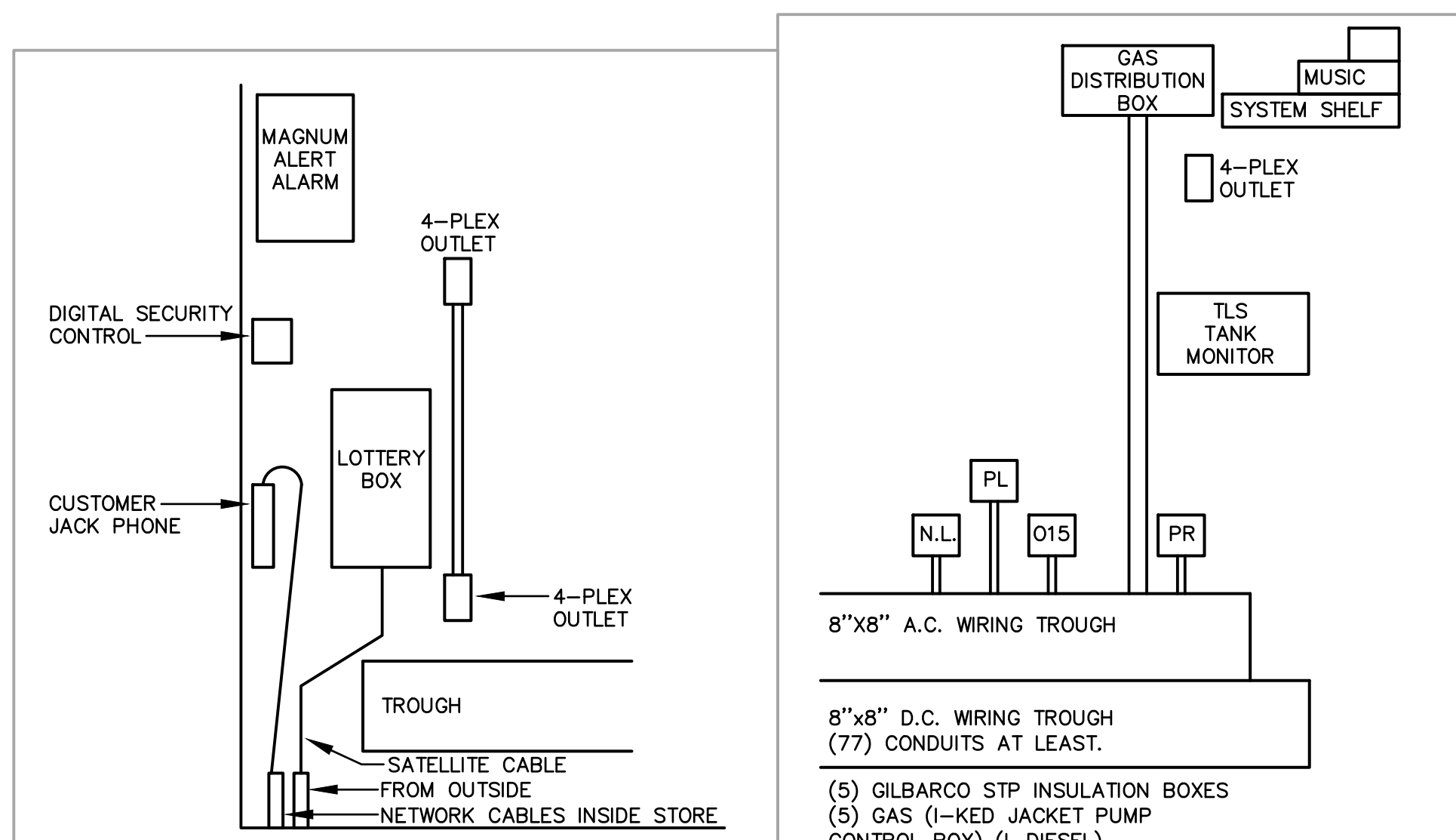
**01 WALL BOX DETAIL**  
E100 NO SCALE



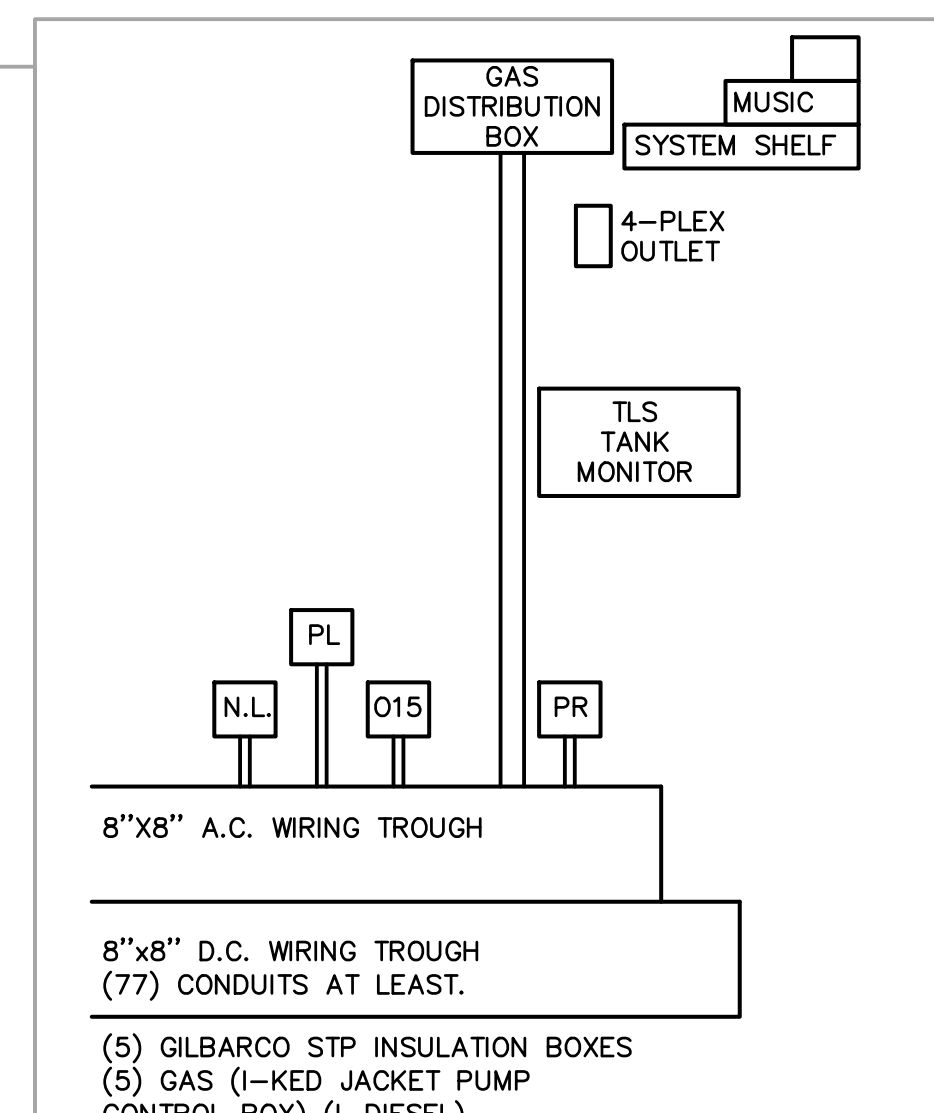
**02 WALL BOX DETAIL**  
E100 NO SCALE



**03 DELI HOOD FAN SAFETY SWITCH DETAIL**  
E100 NO SCALE



**04 PART. ELEC. ROOM TROUGH ELEVATION**  
E100 NO SCALE



**05 PART. ELEC. ROOM TROUGH ELEVATION**  
E100 NO SCALE

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPEC. IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL
SWITCHES	LIGHT SWITCH GENERAL PURPOSE			4'-0"	⊕
	THREE-WAY SWITCH			4'-0"	⊕
	WALL THERMOSTAT ULTRASONIC WALL MOUNTED TYPE OCCUPANCY SENSOR	8888888888		4'-0"	⊕
	PILOT LIGHT SWITCH ILLUMINATED WHEN LOAD IS ON			4'-0"	⊕
	CEILING MOUNTED OCCUPANCY SENSOR			AS NOTED	⊕
	NON-ELECTRIC LIGHT ALERT SWITCH			AS NOTED	⊕
	NON-ELECTRIC LIGHT ALERT SWITCH			AS NOTED	⊕
	NON-ELECTRIC LIGHT ALERT SWITCH			AS NOTED	⊕
	NON-ELECTRIC LIGHT ALERT SWITCH			AS NOTED	⊕
	NON-ELECTRIC LIGHT ALERT SWITCH			AS NOTED	⊕
LIGHTING	2'-0" FLUORESCENT WALL MOUNT	SEE SCHEDULE		6'-6"	⊕
	2'x2' FLUORESCENT TROFFER	SEE SCHEDULE		CEIL.	⊕
	2'x4' FLUORESCENT TROFFER	SEE SCHEDULE		CEIL.	⊕
	1'x4' FLUORESCENT TROFFER	SEE SCHEDULE		CEIL.	⊕
	DOWNLIGHT	SEE SCHEDULE		CEIL.	⊕
	EXIT LIGHT(CEILING, WALL MOUNT)	SEE SCHEDULE		NOTED	⊕
	QUADRUPLE RECEPTACLE			1'-6"	⊕
	JUNCTION BOX			AS NOTED	⊕
	208/1Ø RECEPTACLE, AS NOTED			AS NOTED	⊕
	208/3Ø RECEPTACLE, AS NOTED			1'-6"	⊕
POWER OUTLETS	SIMPLEX			1'-6"	⊕
	DUPLEX - SAFETY TYPE			1'-6"	⊕
	DUPLEX			1'-6"	⊕
	DUPLEX (ABOVE COUNTERTOP)			8" ACT.	⊕
	DUPLEX WITH INTEGRAL GROUND FAULT PROTECTION			1'-6"	⊕
	GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE DIVIDER IF LIGHTING CIRCUIT IS 277V)			4'-0"	⊕
	QUADRUPLE RECEPTACLE			1'-6"	⊕
	DUPLEX - WALL MOUNTED			4'-0"	⊕
	DUPLEX - SURGE SUPPRESSION TYPE			1'-6"	⊕
	DUPLEX - WALL MOUNTED WEATHER RESISTANT DUPLEX - WITH WEATHER-PROOF "W" IN USE" TYPE DIE-CAST METAL COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET. INTERMATIC GUARDIAN SERIES OR EQUAL.			1'-6"	⊕
MISC.	CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE (ARROWS INDICATES) (SEE RUN # IF CIRCUITS, HASHMARKS INDICATE # OF CONDUCTORS)				⊕
	DISCONNECT SWITCH			5'-0"	⊕
	MAGNETIC STARTER			5'-0"	⊕
	MAGNETIC COMBINATION STARTER			5'-0"	⊕
	ENCLOSED FLUSH MTD. CIRCUIT BREAKER			5'-0"	⊕
	WEATHERPROOF				⊕
	EMERGENCY PANEL BOARD, SURFACE OR FLUSH MOUNTED			6'-6" TO TOP	⊕
	NEURAL PANEL BOARD, SURFACE OR FLUSH MOUNTED			6'-6" TO TOP	⊕
	M.E.S. MAJOR EQUIPMENT SCHEDULE # INDICATOR				⊕
	TAGGED NOTE				⊕
REVISION NOTE				⊕	
MECHANICAL EQUIPMENT RESISTANT (SEE MECH. SCHEDULES)				⊕	
JUNCTION BOX			AS NOTED	⊕	
PROVIDE CONNECTION TO HAND DRYER			AS NOTED	⊕	
PLUMBING FIXTURE SOLID VALVE/ELECTRIC EYE SENSOR CONNECTION COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.				⊕	
PLUMBING FIXTURE ELECTRIC EYE TRANSFORMER CONNECTION TRANSFORMER SHALL BE 120V-24V MOUNT ABOVE SUSPENDED ACCESSIBLE CEILING IN J-BOX PROVIDE ASSISTANT TRANSFORMERS OF SAME TYPE AS/IF NEEDED.				⊕	

SYSTEM	ITEM	DEVICE MODEL # REFER TO SPEC. IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL
SPECIAL OUTLETS	PLUMBING FIXTURE SOLID VALVE/ELECTRIC EYE SENSOR CONNECTION COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.				⊕
	PLUMBING FIXTURE ELECTRIC EYE TRANSFORMER CONNECTION TRANSFORMER SHALL BE 120V-24V AND SUPPLIED WITH PLUMBING FIXTURE MOUNT ABOVE SUSPENDED ACCESSIBLE CEILING AS REQUIRED. PROVIDE ADDITIONAL TRANSFORMERS OF SAME TYPE AS/IF NEEDED.				⊕
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.			1G	⊕, 2D, 3D
					⊕

**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 BUILDING 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, LIKE NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
- WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING 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, LIGHTS, ELECTRICAL DEVICES, ETC.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, INSTALL LIGHT FIXTURES, DIFFUSERS, REGISTERS, GRILLES, SPRINKLER HEADS, SMOKE DETECTORS AND OTHER CEILING MOUNTED APPEARANCES IN THE CEILING IN A SYMMETRICAL PATTERN, UNLESS SPECIFICALLY NOTED 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 CONTRACTOR'S 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 MARKED 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 EXT LIGHTS ARE CONNECTED TO EMERGENCY CIRCUITS WITH KEYSWITCH OR CONTACTOR CONTROL, AN UNNOTICED LINE SHALL BE PULLED IN TO MAINTAIN THEIR OPERATION REGARDLESS OF SWITCH POSITION.
- WHERE EXT 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 STD. 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 LAD 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.

**CMW**  
The Shape of Ideas

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**REGISTERED PROFESSIONAL ENGINEER**  
KENTUCKY  
PERMIT NO. 2014-0004  
EXPIRES 12/31/2024

**ELECTRICAL LEGEND AND SCHEDULES**

FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

**CONSTRUCTION DOCUMENTS**

Issue Date: December, 02 2024  
Drawn By: CJP  
Checked By: BMP  
Revisions:

Mark: \_\_\_\_\_ Date: \_\_\_\_\_  
A/HJ SEAL

Project Number  
**24051.01**

**E1.00**  
ELECTRICAL LEGEND AND  
DETAILS

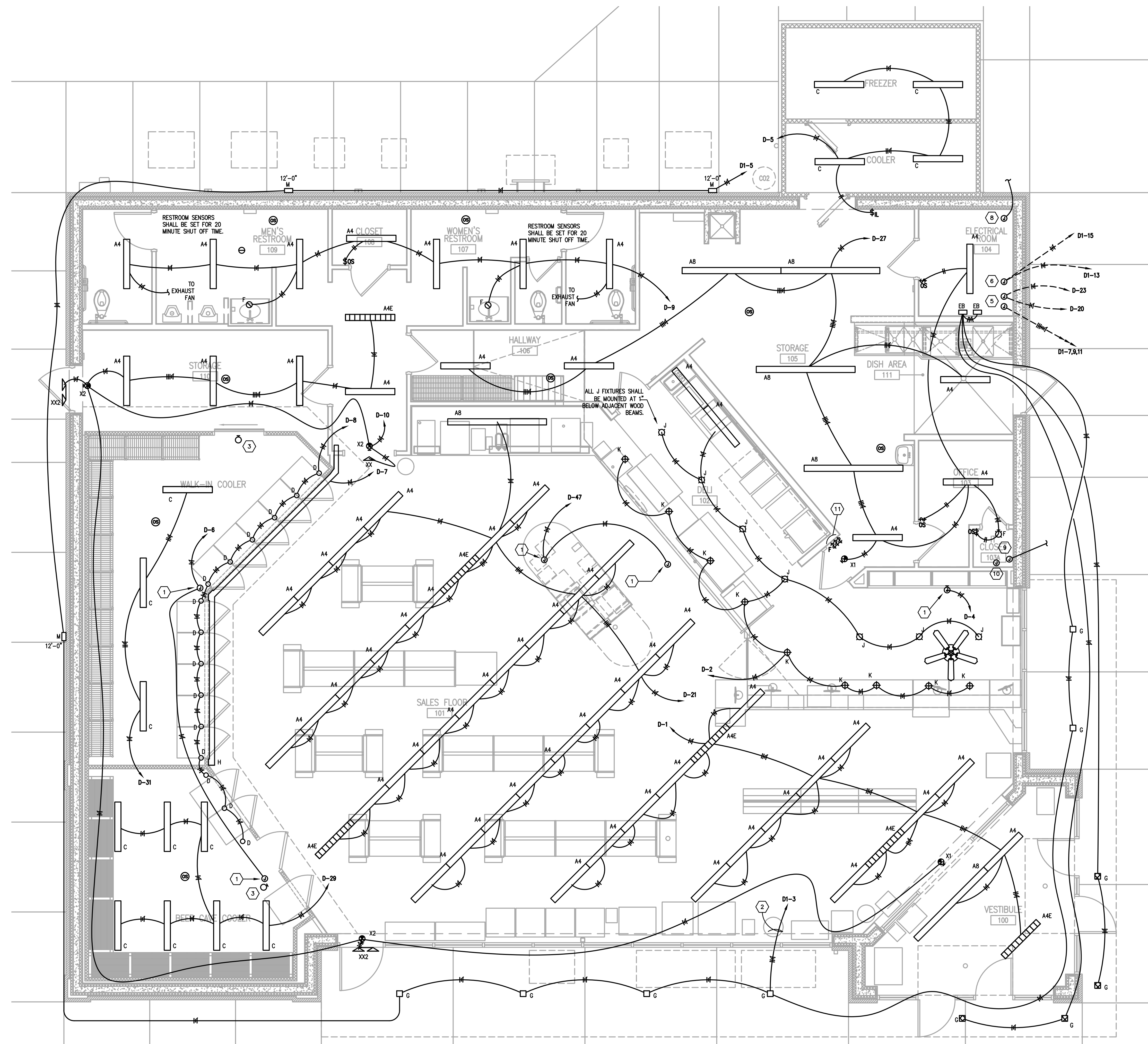


**GENERAL NEW WORK NOTES (LIGHTING):**

- 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 ROUTING. 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 MULTIGANG SWITCHBOXES WHEREVER POSSIBLE. NO SWITCHES SHALL BE MOUNTED ANY MORE THAN 12" FROM DOOR FRAME.

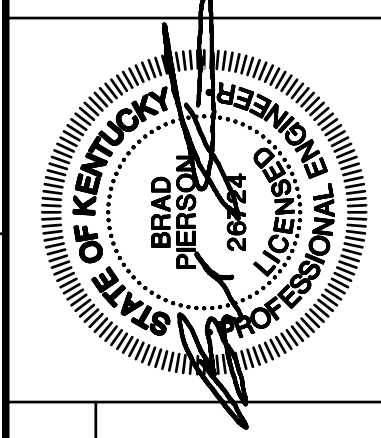
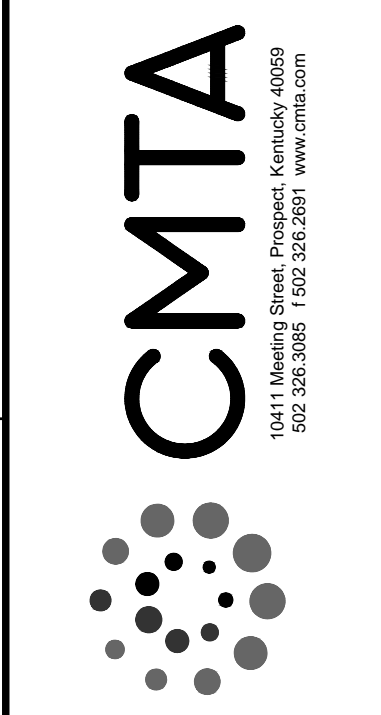
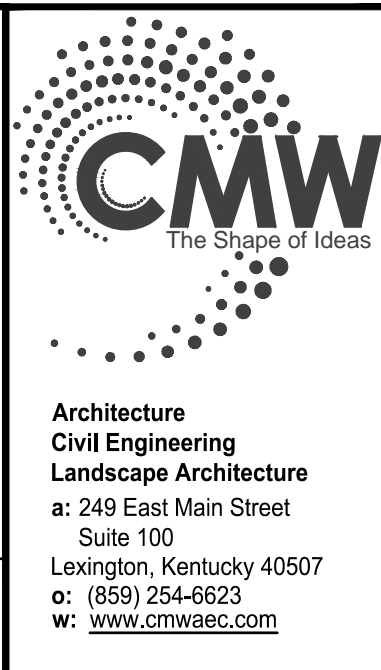
**TAGGED NOTES :**

- 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 SHELVING 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 SHELVING. 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 CONDUCTOR 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 MARKED WITH AN ASTERISK 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) 1" 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) 1" 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. NOT USED.
- 8. PROVIDE 2" CONDUIT FROM NEW SATELLITE LOCATION TO COMM ROOM. SATELLITE WILL NEED TO BE LOCATED TO A NON CANOPY LOCATION OUT THE BACK OF THE STORE FACING SOUTH EAST.
- 9. PROVIDE 1" CONDUIT FROM COMM 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. PROVIDE SWITCHES WITH PERMANENT LABELS INDICATING FUNCTION FOR THE FOLLOWING ITEMS:
  - 11.A. INTERIOR LIGHTING SWITCH: INTERIOR LIGHTING CIRCUITS SHALL BE ROUTED THROUGH INTERIOR LIGHTING CONTRACTOR FOR CONTROL OF ALL INTERIOR ZONE.
  - 11.B. EXTERIOR LIGHTING SWITCH: SHALL OVERRIDE EXTERIOR LIGHTING CONTRACTOR.
  - 11.C. FAN SPEED CONTROL SWITCH.



**ELECTRICAL - LIGHTING**

1/4" = 1'-0"



**ELECTRICAL LIGHTING**  
 FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
 CARLTON CROSSING - LOT 7  
 LAWRENCEBURG, KY 40342

**CONSTRUCTION DOCUMENTS**

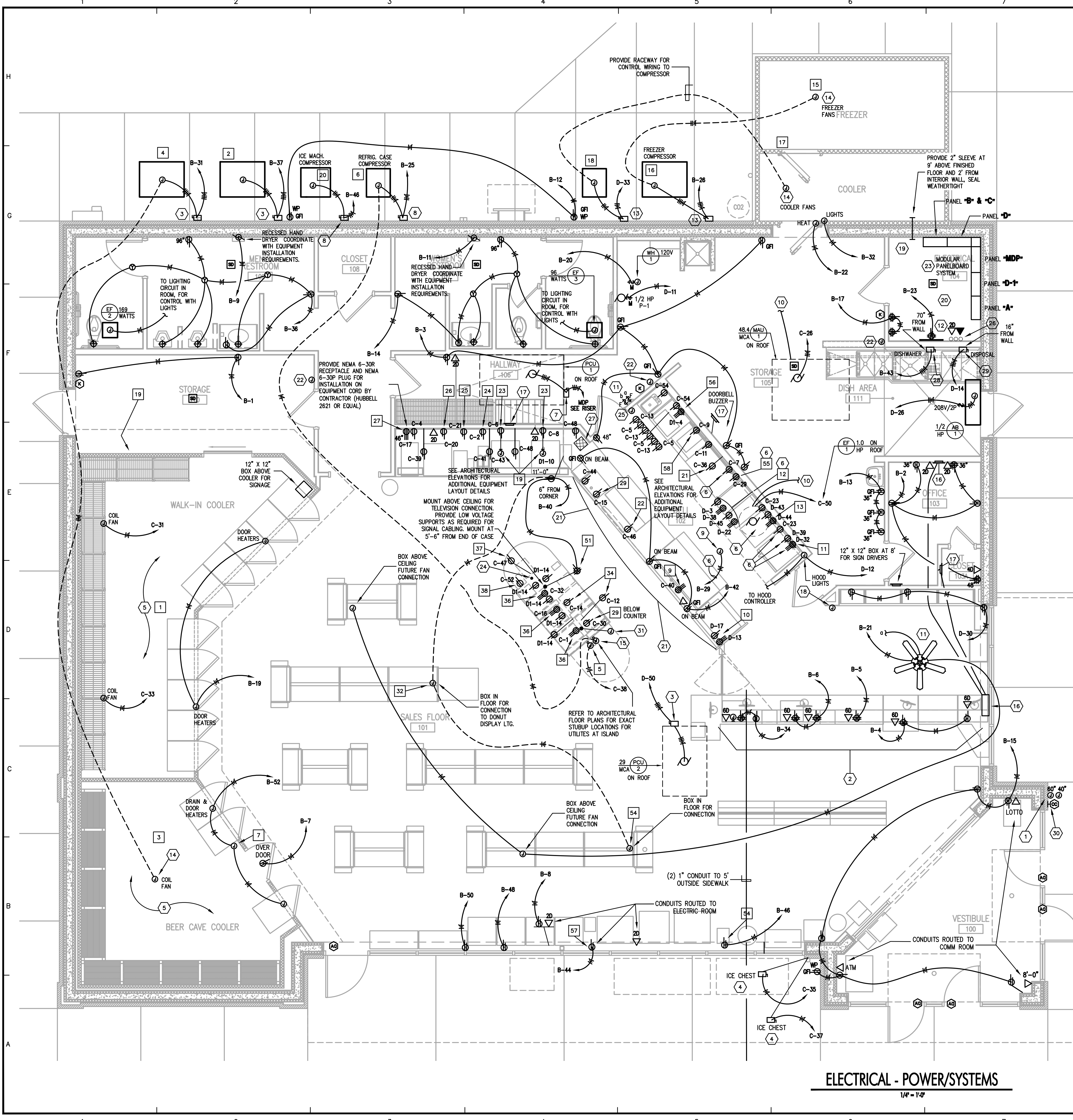
Issue Date:	December, 02 2024
Drawn By:	CJP
Checked By:	BMP
Revisions:	
Mark	Date
AHJ SEAL	

Project Number  
**24051.01**

ELECTRICAL LIGHTING

**E2.00**





ITEM	QTY	DESCRIPTION	ELECTRICAL						REMARKS
			KW	HP	AMP	VOLT	PH	PLUG	
1	1	SOFT DRINK COOLER EVAPORATOR							• MULTIPLE ACC.
2	1	SOFT DRINK COOLER COND. UNIT		5.5	27.5	208	3		• MULTIPLE ACC.
3	1	BEER CAVE EVAPORATOR							• MULTIPLE ACC.
4	1	BEER CAVE COND. UNIT		1/3	3.5	208	3		• MULTIPLE ACC.
5	2	MULTI-DECK ISLAND MERCHANDISER	0.396		4.3	120	1		
6	2	ISLAND COND. UNIT		1.0	9.0	208	1		
9	1	4 WELL HOT FOOD TABLE			27.8	208	1	14-50P	
10	1	HOT FOOD MERCHANDISER	3.34		13.8	120	1	14-20P	
11.1	2	CONVECTION OVEN			1.0	120	1	5-15P	
11.2	2	HOLDING CABINET	2.05		8.5	208	1	6-15P	
12	2	FLOOR MODEL GAS FRYER			12.0	120	1		
13	1	GRIDDLE			1.0	120	1		
14	1	EXHAUST HOOD							
15	1	WALK-IN FREEZER EVAPORATOR							• MULTIPLE ACC.
16	1	WALK-IN FREEZER COND. UNIT		3.5	12.2	208	3		• MULTIPLE ACC.
17	1	WALK-IN COOLER EVAPORATOR							• MULTIPLE ACC.
18	1	WALK-IN COOLER COND. UNIT		1.0	9.0	208	1		• MULTIPLE ACC.
19	2	REMOTE ICE MAKER (ON FOUNTAIN)			18.7	208	1		
20	2	ICE MAKER REMOTE CONDENSER			1.7	208	1		
21	1	WORKTOP SOLID DOOR FREEZER		1/2	3.2	120	1	5-15P	
22	1	FOOD PREP TABLE			2.3	208			
23	2	SODA FOUNTAIN							VERIFY EXACT REQUIREMENTS IN FIELD WITH VENDOR
24	1	TEA BREWER							VERIFY EXACT REQUIREMENTS IN FIELD WITH VENDOR
25	1	FREAL BLENDER			15.0	120	1	5-15P	
26	1	FREAL MINI BLENDING BAR			15.0	120	1	5-15P	
27	1	FREEZE MACHINE			18.0	208	1	5-15P	
29	2	MICROWAVE	1.0		13.0	120	1	5-15P	
30	1	INDUCTION RANGE							
31	1	BAKED GOODS							
32	1	DONUT CASE							
34	2	CAPPUCCINO MACHINE			15.0	120	1	5-20P	
36	3	BEAN TO CUP COFFEE			24.0	208	1	6-30P	
37	1	CREAMER			10.0	120	1	5-20P	
38	1	SUGAR			3.0	120	1	5-20P	
43	1	DISHWASHER							
43.1	1	RINSE TABLE - INTEGRAL SINK DISPOSAL	1.0		4.9	208	3		
47	5	POS TERMINALS			2.0	120	1	5-20P	
51	4	SUSPENDED TV MONITORS			2.0	120	1	5-20P	
54	2	HUSSMAN DISPLAY CASE	0.5		9.0	120	1	5-15P	
55	1	FOOD WARMER			13.3	120	1	5-15P	
56	1	CONVECTION WARMING OVEN	4.7		15.0	208	3	LS-20P	
57	1	ICE CREAM CASE			4.6	120	1	5-15P	
58	1	WORKTOP COOLER			2.0	120	1	5-15P	

- TAGGED NOTES :**
1. PROVIDE EMERGENCY KILL SWITCH, ROUGH-IN AND STUB OUT ON EXTERIOR OF BUILDING FOR EMERGENCY PUMP SHUT DOWN. PROVIDE ON WALL. COORDINATE EXACT MOUNTING LOCATION WITH GENERAL CONTRACTOR AND INSTALL ON SIDE FACING CANOPY. MOUNT CENTERED ABOUT BRICK HORIZONTALLY AND VERTICALLY CENTERED ABOUT CELESTORY OPENING.
  2. ALL RECEPTACLES AND DEVICES AT THE CHECK OUT COUNTER SHALL BE MOUNTED HIGH IN THE BACK OF CASEWORK. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL ELEVATIONS.
  3. PROVIDE 60A/250V/3P DISCONNECT IN NEMA-3R ENCLOSURE. PROVIDE ALL MOUNTING EQUIPMENT AS REQUIRED FOR MOUNTING ON WALL/ROOF. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
  4. PROVIDE DISCONNECT FOR ICE CHEST AT 60" ABOVE GRADE. DISCONNECT SHALL BE PAINTED TO MATCH STOREFRONT.
  5. PROVIDE LINE VOLTAGE CONNECTIONS TO WALK-IN COOLER THERMOSTATS AND ACCESSORIES AS REQUIRED.
  6. CIRCUIT INDICATED SHALL BE CONTROLLED BY A SHUNT TRIP BREAKER AS REQUIRED FOR TYPE I EXHAUST HOOD. SHUNT TRIP SHALL BE CONTROLLED BY HOOD SHUT DOWN EQUIPMENT AS REQUIRED. COORDINATE WITH HOOD INSTALLER.
  7. PROVIDE 60A/250V/3P DISCONNECT IN NEMA-3R ENCLOSURE. PROVIDE ALL MOUNTING EQUIPMENT AS REQUIRED FOR MOUNTING ON WALL/ROOF. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
  8. PROVIDE 30A/250V/3P DISCONNECT IN NEMA-3R ENCLOSURE. PROVIDE ALL MOUNTING EQUIPMENT AS REQUIRED FOR MOUNTING ON WALL. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN. PROVIDE POWER CONNECTION FROM FOUNTAIN ICE MACHINES AS REQUIRED. COORDINATE FURTHER REQUIREMENTS WITH EQUIPMENT INSTALLER.
  9. PROVIDE 120V CONNECTION TO GAS SOLENOID FOR SHUTDOWN OF HOOD EQUIPMENT GAS CONNECTIONS WITH SHUNT TRIP. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH GAS INSTALLER.
  10. PROVIDE RACEWAY TO MAKE UP AND EXHAUST FAN CONTROL SWITCH AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH HOOD INSTALLER.
  11. INSTALL A LOWES 56" DIAMETER CEILING HUGGER CEILING FAN. FAN SHALL BE ALL WHITE. PROVIDE VARIABLE SPEED CONTROLLERS (LUTRON PSE-FE OR EQUAL) AT LOCATION INDICATED IN STORAGE ROOM.
  12. NETWORK SWITCHES AND PATCH PANELS SHALL BE PROVIDED BY OWNER AND LOCATED IN ELECTRICAL ROOM AS INDICATED. UNLESS OTHERWISE NOTED, PROVIDE SHIELDED, CAT 6 NETWORK CABLE FROM PHONE AND DATA DROPS INDICATED ON PLANS BACK TO THIS LOCATION. TERMINATE AND LABEL CABLE PER OWNER REQUIREMENTS. PROVIDE TELECOM UTILITY RACKS FROM SITE TO BACK LOCATION. PROVIDE LIMITED USE OF SHIELDED CONDUIT FOR LOTTERY PHONE LINE. COORDINATE EXACT REQUIREMENTS WITH OWNER AND SITE CONTRACTOR PRIOR TO ROUGH-IN. NETWORK AND VOICE CABLES SHALL BE CONTINGENT AND SHALL NOT BE SPliced.
  13. PROVIDE 30A/250V/3P DISCONNECT IN NEMA-3R ENCLOSURE. PROVIDE ALL MOUNTING EQUIPMENT AS REQUIRED FOR MOUNTING ON WALL/ROOF. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
  14. PROVIDE CONNECTIONS TO ALL THERMOSTATS, DEFOST HEATERS AND EVAPORATOR FANS FROM CONDENSING UNIT CIRCUIT AS INDICATED. COORDINATE EXACT CONNECTION REQUIREMENTS WITH EQUIPMENT INSTALLER. PROVIDE LOCAL DISCONNECT MEANS IN COOLER IF NOT PROVIDED BY INSTALLER.
  15. PROVIDE 120V CONNECTION TO REFRIGERATED CASE THERMOSTAT FROM CIRCUIT SERVING EXTERIOR CONDENSING UNIT. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT INSTALLER.
  16. PROVIDE UNDERSLAB CONDUITS FOR CHECKOUT COUNTER STUBBED UP IN LOCATION INDICATED. PROVIDE (1) 1" CONDUIT TO CLOSET IN OFFICE, (1) 1" CONDUIT TO ELECTRIC ROOM FOR FUTURE POWER, (2) 2" CONDUITS TO COMM ROOM AND STUB UP ALL 120V CIRCUITS IN THIS SPACE.
  17. PROVIDE 2" CONDUIT ABOVE CEILING FROM THE 12"x12"x4" DEEP JUNCTION BOX WITH FRONT ACCESS. PROVIDE 1" CONDUIT FROM BOX BELOW SLAB TO CHECKOUT COUNTER. BOX SHALL BE MOUNTED AT 12" A.F.F. FROM BOTTOM OF BOX.
  18. PROVIDE INTERIOR EMERGENCY KILL SWITCH FOR EMERGENCY PUMP SHUT DOWN AT CASHIER LOCATION AS INDICATED IN ARCHITECTURAL ELEVATION. PROVIDE CONNECTION TO GAS PUMP PANEL SHUNT TRIP CONTROL AS REQUIRED.
  19. PROVIDE WEATHERHEADS WHERE REQUIRED FOR TELEPHONE ENTRY AND OVERHEAD SECONDARY ELECTRICAL SERVICE WHERE REQUIRED BY UTILITY COMPANY. COORDINATE INSTALLATION WITH ALL TRADES AND WEATHER-SEAL TO MAINTAIN ROOF AND WALLS AS REQUIRED.
  20. PROVIDE DUAL 8" x 8" x 5" ELECTRICAL TROUGHS IN ELECTRICAL ROOM FOR GAS PUMP EQUIPMENT WIRING. THE TOP TROUGH SHALL BE USED FOR LINE VOLTAGE CABLEING AND THE BOTTOM TROUGH SHALL BE USED FOR LOW VOLTAGE CABLEING. TROUGHS SHALL BE OFFSET FROM EACH OTHER TO ALLOW ACCESS TO EACH TROUGH.
  21. ALL RECEPTACLES ALONG COUNTER INDICATED SHALL BE INSTALLED COMPLETELY TO THE BACK OF THE COUNTER AND SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS.
  22. PROVIDE 3/4" CONDUIT DOWN TO SINGLE GANG BOX FOR ALARM SYSTEM BOX.
  23. ALL CONDUIT PENETRATIONS THROUGH THE FLOOR SLAB SHALL BE PROVIDED WITH AIR TIGHT SEALS WHETHER SERVING GAS EQUIPMENT OR NOT.
  24. PROVIDE EMPTY 3" CONDUIT WITH PULL STRING UNDERSLAB FROM ELECTRIC ROOM TO LOCATION INDICATED.
  25. PROVIDE RANGE HOOD EMERGENCY PULL CORD AT 60" ABOVE FINISHED FLOOR AT LOCATION INDICATED. REFER TO DETAIL AND COORDINATE WITH HOOD INSTALLER.
  26. PROVIDE A 1" CONDUIT FROM COMM ROOM TO EACH CANNOPY ON SITE FOR CAMERA CABLEING.
  27. PROVIDE FLOOR MOUNTED 12" x 12" x 4" DEEP BOX AGAINST FRONT OF CABINET WITH EMPTY 3" CONDUIT WITH PULL STRING UNDERSLAB FROM ELECTRIC ROOM TO LOCATION INDICATED.
  28. PROVIDE 60A/250V/3P DISCONNECT IN NEMA-1 ENCLOSURE. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
  29. PROVIDE 30A/250V/3P DISCONNECT IN NEMA-1 ENCLOSURE. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
  30. PROVIDE SINGLE GANG ROUGH-IN FOR SECURITY CAMERA FACING GAS CANOPY. PROVIDE

**GENERAL NEW WORK NOTES (POWER) :**

- 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.G.N.). CONDUIT SHALL BE 1/2" MINIMUM.
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- D. MC CABLEING SHALL BE ACCEPTABLE WHERE CONCEALED IN WALLS AND CEILINGS. EMT SHALL BE USED AT ALL EXPOSED LOCATIONS.
- E. ALL 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.
- F. ALL UNDERGROUND TRENCHES SHALL BE FILLED WITH STONE.
- G. ALL EMPTY CONDUITS FOR FUTURE USE SHALL BE PROVIDED WITH A PULL STRING.
- H. ALL DEVICES SHALL BE STAINLESS STEEL, WHITE, BROWN OR IVORY. MOUNT AT WHITE AND RED TILE BROWN AT ALL BROWN TILE AND BY STORE FRONT, IVORY AGAINST PAINTED WALLS, WHITE INSIDE CABINETS AND STAINLESS AT HOOD.
- I. ALL CONDUITS STUBBED UP FROM FLOOR SHALL BE SEALED AS REQUIRED FOR GAS SEALS. THIS SHALL APPLY TO ALL CONDUITS WHETHER SERVING GAS EQUIPMENT OR NOT.
- J. ALL DISCONNECTS SHALL BE SQUARE D SIDE ARMED AND NON FUSED.
- K. ALL RECEPTACLES SHALL BE ON MINIMUM OF 20A CIRCUITS AND SHALL BE 20A RATED DEVICES.
- L. PROVIDE 3/4" AND 1" CONDUIT FROM TROUGH IN ELECTRIC ROOM TO 15'-0" BEYOND SIDEWALK AND MINIMUM OF 18" BELOW GRADE. CONDUITS TO HAVE SEAL OFF AT FIRST JOINT ABOVE FLOOR. VERIFY WITH OWNER.
- M. POLE LIGHTS AND POLES SHALL BE FURNISHED BY OWNER AND INSTALLED BY ELECTRICAL CONTRACTOR.
- N. POLE LIGHTS MARKED WITH AN ASTERISK ON SITE PLAN SHALL HAVE (1) DUPLEX RECEPTACLE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL POLES TO BE WIRED WITH #10 STRANDED WIRE.
- O. ALL UNDERGROUND CONDUIT SHALL BE GALVANIZED #10'S.
- P. PROVIDE AND INSTALL ALL CORDS AND PLUGS FOR FOOD SERVICE EQUIPMENT.
- Q. ALL GAS EQUIPMENT AND DISPENSERS MUST BE ON THE SAME PHASE (A OR C).
- R. PROVIDE (1) BREAKER FOR EACH LINE LEAK DETECTOR UST.
- S. PROVIDE 3/4" CONDUIT TO EACH AIR STAND AS SHOWN ON THE SITE DRAWINGS. REFER TO PANEL SCHEDULES FOR CIRCUIT NUMBERS. PROVIDE #10 WIRING TO EACH LOCATION. COORDINATE TERMINATION OF 30A CIRCUIT AND 20A CIRCUIT WITH CORRECT DEVICE ON SITE.

**ELECTRICAL - POWER/SYSTEMS**

1/4" = 1'-0"

**CMW**  
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**ELECTRICAL POWER AND SYSTEMS**

FiveStar - #5546 Lawrenceburg  
**NEWCOMB OIL CO., LLC**  
CARLTON CROSSING - LOT 7  
LAWRENCEBURG, KY 40342

**CONSTRUCTION DOCUMENTS**

Issue Date: December, 02 2024  
Drawn By: CJP  
Checked By: BMP  
Revisions:


Mark: \_\_\_\_\_ Date: \_\_\_\_\_  
AHJ SEAL

Project Number  
**24051.01**

ELECTRICAL POWER AND SYSTEMS  
**E3.00**

Plot Date: Sunday, December 2, 2024 5:41:08 PM



PANELBOARD AND WIRING SCHEDULE																	
PANELBOARD	LOAD			DESIGNATION	WIRE	BKR	CKT	PHASE	1	WIRE	3	MANUF.	SQUARE	D	TYPE	MODULAR	
	A	B	C														
12	3/4"	1.4		DISP 1+2	12	15/2	1										
12	3/4"		1.4	DISP 3+4	12	15/2	3										
12	3/4"	1.4		DISP 5+6	12	15/2	5										
12	3/4"		1.4	DISP 7+8	12	15/2	7										
12	3/4"	1.4		DISP 9+10	12	15/2	9										
12	3/4"		1.4	DISP 11+12	12	15/2	11										
12	3/4"	1.4		DISP 13+14	12	15/2	13										
12	3/4"		1.4	DISP 15+16	12	15/2	15										
12	3/4"	1.4		DISP 17+18	12	15/2	17										
12	3/4"		0.6	GAS CANOPY LIGHTS	12	15/1	19										
12	3/4"	0.6		GAS CANOPY LIGHTS	12	15/1	21										
12	3/4"		0.6	GAS CANOPY LIGHTS	12	15/1	23										
12	3/4"	1.0		GAS CANOPY SIGN	12	15/1	25										
				SPARE SWITCHED NEUTRAL	15/2		27										
				SPARE SWITCHED NEUTRAL	15/2		29										
				SPARE SWITCHED NEUTRAL	15/2		31										
				SPARE SWITCHED NEUTRAL	15/2		33										
				SPARE SWITCHED NEUTRAL	15/2		35										
				SPARE SWITCHED NEUTRAL	15/2		37										
				SPARE SWITCHED NEUTRAL	15/2		39										
				SPARE	20/1		41										
				SPARE	20/1		43										
				SPARE	20/1		45										
				SPARE	20/1		47										
				SPARE	20/1		49										
				SPARE	20/1		41										
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				SPARE	20/1		45										
				SPARE	20/1		47										
				SPARE	20/1		49										



PANELBOARD AND WIRING SCHEDULE																			
PANELBOARD: B			AMPERES: 225	VOLTAGE 120/208	PHASE: 3	WIRE: 4	MANUF.:	SQUARE D	TYPE	MODULAR									
GND	CON	LOAD			DESIGNATION	WIRE	BKR	OKT	CKT	BKR	WIRE	DESIGNATION	LOAD			CON	GND		
		A	B	C									A	B	C				
12	3/4"	0.4			STORAGE - RCP	12	GR	1	2	201	12	OFFICE - RCP	1.2			3/4"	12		
12	3/4"		1.0		STORAGE - RCP	12	201	3	4	201	12	CASH REGISTER - RCP		0.6		3/4"	12		
12	3/4"			1.0	CASH REGISTER - RCP	12	201	5	6	201	12	CASH REGISTER - RCP			0.8	3/4"	12		
12	3/4"	0.2			BEER CAVE DOOR - RCP	12	201	7	8	201	12	STOREFRONT - RCP	0.2			3/4"	12		
12	3/4"		1.0		HAND DRYER - MENS	12	GR	9	10	201		SPARE							
12	3/4"			1.0	HAND DRYER - WOMENS	12	GR	11	12	GR	12	EXTERIOR RECEPTACLES - REAR			0.4	3/4"	12		
12	3/4"	0.6			STORAGE - RCP	12	201	13	14	GR	12	WOMENS RESTROOM - RCP	0.6			3/4"	12		
12	3/4"		1.0		VESTIBULE - RCP	12	201	15	16	GR	12	GAS CANOPY REC		0.2		3/4"	12		
12	3/4"			0.8	ELEC ROOM - RCP	12	201	17	18	GR	12	GAS CANOPY REC			0.2	3/4"	12		
12	3/4"	1.0			W.I. COOLER DOOR HEATER	12	201	19	20	201	12	WH-1	1.0			3/4"	12		
12	3/4"		0.9		CEILING FANS	12	201	21	22	201	12	COOLER DOOR HEATER		1.0		3/4"	12		
12	3/4"			0.4	TELECOM - RCP	12	201	23	24	201	12	STORE - RCP			1.0	3/4"	12		
12	3/4"	1.2			DELI CASE - COMPRESSOR	12	202	25	26	403	8	WALK-IN FREEZER - COMP	4.5			3/4"	10		
---	---		1.2		---	---	---	27	28	---	---	---		4.5		---	---		
12	3/4"			0.0	HOOD GAS SOLENOID (SHUNT T.)	12	201	29	30	---	---	---			4.5	---	---		
10	3/4"	3.2			BEER CAVE COMPRESSOR	8	403	31	32	201	12	W.I. LIGHTS	0.2			3/4"	12		
---	---		3.2		---	---	---	33	34	201	12	COUNTER - RCP		0.6		3/4"	12		
---	---			3.2	---	---	---	35	36	GR	12	MENS RR - RCP			0.6	3/4"	12		
10	3/4"	3.2			WALK-IN BEV. COOLER COMP.	8	403	37	38	GR		SPARE							
---	---		3.2		---	---	---	39	40	201	12	FOUNTAIN SIGNS / ISLAND TV		0.1		3/4"	12		
---	---			3.2	---	---	---	41	42	201	12	BEAM RCP			0.4	3/4"	12		
10	1"	5.6			DISHWASHER	6	603	43	44	201	12	ICE CREAM DISPENSER	0.8			3/4"	12		
---	---		5.6		---	---	---	45	46	201	12	HUSSMAN DISPLAY CASE		0.2		3/4"	12		
---	---			5.6	---	---	---	47	48	201	12	STOREFRONT - RCP			0.2	3/4"	12		
---	---				SPD	---	---	49	50	201	12	STOREFRONT - RCP	0.2			3/4"	12		
---	---				---	---	---	51	52	201	12	BEER CAVE DRAIN & DOOR HEAT		1.0		3/4"	12		
---	---				---	---	---	53	54	201		SPARE							
		15.4	17.1	15.2	SUB-TOTAL		KVA			KVA		8.7	8.2	8.1					
				KVA		GROSS-TOTAL		24.1	25.3	23.3				72.7					
EMERGENCY POWER:		NO		MAIN BREAKER:		YES		A.I.C. RATING: 18,000											
BRANCH:				MAIN LUGS:		YES													

PANELBOARD AND WIRING SCHEDULE																			
PANELBOARD: D			AMPERES: 225	VOLTAGE 120/208	PHASE: 3	WIRE: 4	MANUF.:	SQUARE D	TYPE	MODULAR									
GND	CON	LOAD			DESIGNATION	WIRE	BKR	OKT	CKT	BKR	WIRE	DESIGNATION	LOAD			CON	GND		
		A	B	C									A	B	C				
12	3/4"	1.3			SALES FLOOR - LTG	12	201	1	2	201	12	COUNTER AREA - LTG	0.9			3/4"	12		
12	3/4"		1.0		FRYER (SHUNT TRIP)	12	201	3	4	201	12	GRAPHICS - LTG		0.5		3/4"	12		
12	3/4"			0.2	COOLER / FREEZER LIGHTS	23	201	5	6	201	12	GRAPHICS - LTG			1.0	3/4"	12		
12	3/4"	0.4			COVE - LTG	12	201	7	8	201	12	COOLER - LTG	0.3			3/4"	12		
12	3/4"		1.3		RESTROOM / COOLER - LTG	12	201	9	10	201	12	EMERGENCY LIGHTING		0.1		3/4"	12		
12	3/4"			1.2	P-1	12	GFI	11	12	201	12	HOOD LIGHTS			0.2	3/4"	12		
12	3/4"	1.5			HOT SANDWICH CASE 208V	12	202	13	14	203	12	DISPOSAL	0.6			3/4"	12		
---	---		1.5		---	---	---	15	16	GFI	---	---		0.6		---	---		
12	3/4"			1.5	HOT SANDWICH CASE 120V	12	201	17	18	---	---	---		0.6		---	---		
---	---				SPARE	---	---	19	20	GFI	10	SITE POLE RECEPTACLES	1.2			3/4"	10		
12	3/4"		1.8		SALES FLOOR - LTG	12	201	21	22	402	8	GRIDDLE (SHUNT TRIP)		3.5		3/4"	10		
12	3/4"			1.0	SITE POLE RECEPTACLES	12	GFI	23	24	GFI	---	---		3.5		---	---		
---	---				SPARE	---	---	25	26	15/2	12	AIR CURTAIN	0.4			3/4"	12		
12	3/4"		1.0		BACK OF HOUSE - LTG	12	201	27	28	---	---	---		0.4		---	---		
12	3/4"			0.4	BEER CAVE - LTG	12	201	29	30	201	12	CIGARETTE WALL - RCP			0.6	3/4"	12		
12	3/4"	0.2			DRINK COOLER - LTG	3/4"	12	31	32	403	8	OVEN / PROOFER (SHUNT TRIP)	3.5			3/4"	10		
12	3/4"		1.0		COOLER COMPRESSOR	12	203	33	34	GFI	---	---		3.5		---	---		
---	---			1.0	---	---	---	35	36	---	---	---		3.5		---	---		
---	---			1.0	---	---	---	37	38	50/3	8	FRYER (SHUNT TRIP)	4.7			3/4"	10		
12	3/4"		1.0		OVEN / PROOFER (SHUNT TRIP)	12	GFI	39	40	GFI	---	---		4.7		---	---		
---	---				SPARE	---	---	41	42	---	---	---		4.7		---	---		
12	3/4"	1.0			FRYER (SHUNT TRIP)	12	GFI	43	44	50/3	8	FRYER (SHUNT TRIP)	4.7			3/4"	10		
12	3/4"		1.0		GRIDDLE (SHUNT TRIP)	12	GFI	45	46	GFI	---	---		4.7		---	---		
12	3/4"				GRAPHICS - LTG	12	201	47	48	---	---	---		4.7		---	---		
---	---				---	---	---	49	50	50/3	8	POU-2	2.8			3/4"	10		
---	---				---	---	---	51	52	---	---	---		2.8		---	---		
---	---				---	---	---	53	54	---	---	---		2.8		---	---		
		5.4	9.6	5.3	SUB-TOTAL		KVA			KVA		19.1	20.8	21.6					
				KVA		GROSS-TOTAL		24.5	30.4	26.9				81.7					
EMERGENCY POWER:		NO		MAIN BREAKER:		YES		A.I.C. RATING: 18,000											
BRANCH:				MAIN LUGS:		YES													

PANELBOARD AND WIRING SCHEDULE																			
PANELBOARD: C			AMPERES: 225	VOLTAGE 120/208	PHASE: 3	WIRE: 4	MANUF.:	SQUARE D	TYPE	MODULAR									
GND	CON	LOAD			DESIGNATION	WIRE	BKR	OKT	CKT	BKR	WIRE	DESIGNATION	LOAD			CON	GND		
		A	B	C									A	B	C				
10	3/4"	2.5			BEAN TO CUP MACHINE	10	302	1	2	GFI	12	TEA MACHINE	1.0			3/4"	12		
---	---		2.5		---	---	---	3	4	GFI	12	FOUNTAIN WALL RCP		0.2		3/4"	12		
12	3/4"			0.6	BACK DELI WALL RCP	12	GR	5	6	GFI	12	FOUNTAIN MACHINE			1.0	3/4"	12		
12	3/4"	0.2			BACK DELI W. RCP (SHUNT TRIP)	12	GR	7	8	GFI	12	FOUNTAIN MACHINE	1.0			3/4"	12		
12	3/4"		1.0		WORKTOP COOLER RCP	12	GR	9	10	3-30"	10	CAFFUCCINO		1.0		3/4"	10		
12	3/4"			1.0	BACK DELI WALL RCP	12	GR	11	12	GFI	12	CAFFUCCINO			1.0	3/4"	12		
12	3/4"	0.4			BACK DELI WALL RCP	12	GR	13	14	GFI	12	CAFFUCCINO	1.0			3/4"	12		
12	3/4"		1.0		MICROWAVE	12	GR	15	16	302	10	BEAN TO CUP MACHINE		2.5		3/4"	10		
12	3/4"			1.2	FROZEN CARB. BEVERAGE	12	202	17	18	GFI	---	---		2.5		---	---		
---	---		1.2		---	---	---	19	20	GFI	12	FREAL FREEZER	1.2			3/4"	12		
12	3/4"		1.2		FREAL MXER	12	GR	21	22	201		SPARE							
---	---			0.4	BACK DELI WALL RCP	---	---	23	24	201		SPARE							
12	3/4"	1.0			BEER CAVE DOOR HEAT	12	201	25	26	502	8	MAU FAN	4.0			3/4"	10		
12	3/4"		1.0		COOLER DOOR HEAT	12	201	27	28	---	---	---		4.0		---	---		
12	3/4"			1.0	VOLRATH - RCP (SHUNT TRIP)	12	GR	29	30	GFI	12	MICROWAVE		1.2		3/4"	12		
12	3/4"	1.5			COOLER EVAPORATOR FANS	12	201	31	32	302	10	BEAN TO CUP MACHINE	2.5			3/4"	10		
12	3/4"		1.5		COOLER EVAPORATOR FANS	12	201	33	34	GFI	---	---		2.5		---	---		
12	3/4"			1.0	ICE CHEST	12	GR	35	36	GFI	12	FREEZE TABLE - RCP (SHUNT TRIP)			1.0	3/4"	12		
12	3/4"	1.0			ICE CHEST	12	GR	37	38	GFI	12	REFRIGERATED CASE	0.4			3/4"	12		
12	3/4"		0.2		FOUNTAIN WALL RCP	12	GR	39	40	502	8	STEAM TABLE		2.6		3/4"	10		
12	3/4"			0.2	FOUNTAIN WALL RCP	12	GR	41	42	GFI	---	---		2.6		---	---		
10	3/4"	1.7			ICE MAKER - INDOOR UNIT	10	302	43	44	GFI	12	FRONT DELI WALL RECEPTACLE	0.2			3/4"	12		
---	---		1.7		---	---	---	45	46	GFI	12	REFRIGERATED PREP TABLE		1.0		3/4"	12		
12	3/4"			1.2	CREAM MACH.	12	GR	47	48	GFI	12	CARBONATION PUMPS			1.0	3/4"	12		
---	---				SPD	---	---	49	50	201	12	HOOD EXHAUST FAN	1.0			3/4"	12		
---	---				---	---	---	51	52	201	12	SUGAR		0.4		3/4"	12		
---	---				---	---	---	53	54	GFI	12	BACK DELI WALL - RCP			0.4	3/4"	12		
		9.5	10.1	6.6	SUB-TOTAL		KVA			KVA		12.3	14.2	10.7					
				KVA		GROSS-TOTAL		21.8	24.3	17.3				63.4					
EMERGENCY POWER:		NO		MAIN BREAKER:		YES		A.I.C. RATING: 18,000											
BRANCH:				MAIN LUGS:		YES													

PANELBOARD AND WIRING SCHEDULE																			
PANELBOARD: D1			AMPERES: 225	VOLTAGE 120/208	PHASE: 3	WIRE: 4	MANUF.:	SQUARE D	TYPE	MODULAR									
GND	CON	LOAD			DESIGNATION	WIRE	BKR	OKT	CKT	BKR	WIRE	DESIGNATION	LOAD			CON	GND		
		A	B	C									A						