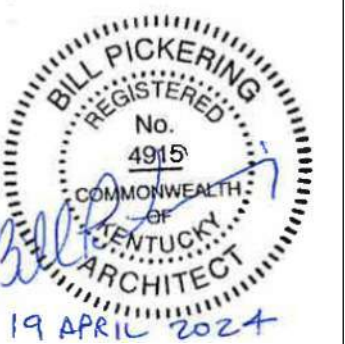
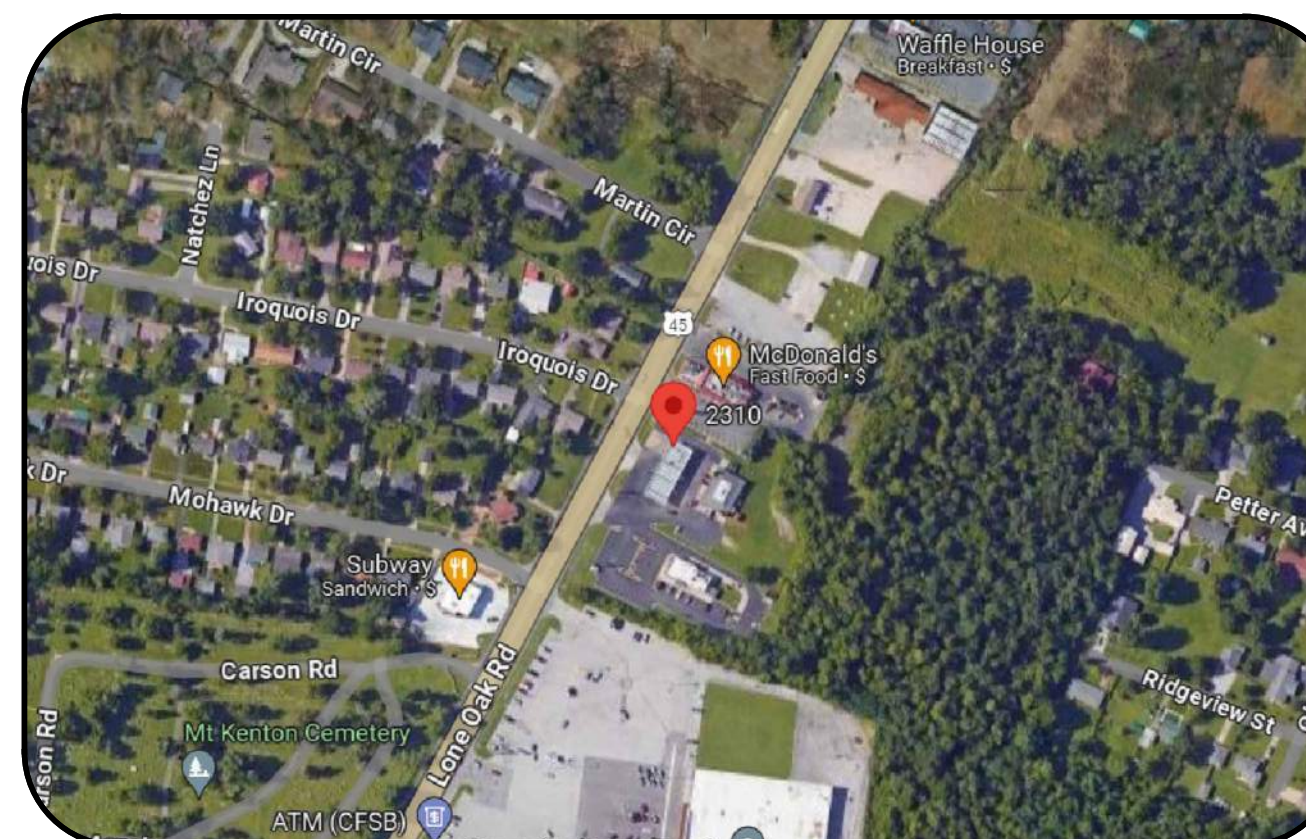


# FIVESTAR STORE #7624 NEWCOMB OIL CO., LLC

2310 LONE OAK RD.  
PADUCAH, KY 42003



### VICINITY MAP



### 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, S - STORAGE, B-BUSINESS  
**CONSTRUCTION TYPE:** V-B

**BUILDING INFORMATION:** MERCANTILE CONVENIENCE GAS STATION  
 BUILDING: 6,519 s.f.  
 TOTAL BUILDING SIZE: 6,519 s.f.  
 FIRE SUPPRESSION: NONE

### OCCUPANCY ALLOWANCE

FUNCTION OF SPACE	ALLOWANCE	AREA	OCCUPANCY
MERCANTILE	60 GROSS	4,445	74
BUSINESS	100 GROSS	85	1
STORAGE	300 GROSS	1,989	7
TOTAL OCCUPANCY ALLOWANCE:			82

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- S1.2 HIGH ROOF & CEILING FRAMING PLANS
- S2.1 SECTIONS & DETAILS
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- S2.4 SECTIONS & DETAILS
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- E5.00 ELECTRICAL SCHEDULES
- UE3.00 ELECTRICAL UNDERSLAB PLAN

#### CMW, INC.

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#### CMTA ENGINEERING CONSULTANTS

MEP Engineers  
 10411 Meeting Street, Prospect, KY 40059  
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#### NEWCOMB OIL COMPANY, LLC.

Owner  
 951 Withrow Ct., Bardstow, KY 40004  
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#### BCD, INC.

General Contractor  
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**Architecture**  
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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 AND PROTOTYPE STORE DESIGN:**  
 ALL REPORTS, DRAWINGS, SPECIFICATIONS, DIGITAL DATA FILES, FIELD DATA, NOTES AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY CMW, INC. ARE CMW, INC.'S "INSTRUMENTS OF SERVICE". THE "PROTOTYPE STORE DESIGN" SHALL REMAIN THE PROPERTY OF NEWCOMB OIL CO., LLC, WHO SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS INCLUDING COPYRIGHT THERE TO.

COVER SHEET

FiveStar #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
 2310 LONE OAK RD.  
 PADUCAH, KY 42003

CONSTRUCTION DOCUMENTS

Issue Date:  
 April 19, 2024

AHJ SEAL

Project Number  
**24007.01**

## 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.

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.

- 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 "D"
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 "D"
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 "D"
1705.12.6	SEISMIC - MECHANICAL AND ELECTRICAL COMPONENTS	X		SEISMIC DESIGN CATEGORY "D"
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>x</sub>	1.09
S <sub>1</sub>	0.358
SITE CLASS	D
S <sub>w</sub>	0.773
S <sub>m</sub>	0.463
SEISMIC DESIGN CATEGORY	D
BASIC SEISMIC-FORCE RESISTING SYSTEM	SPECIAL REINFORCED CONCRETE SHEAR WALLS
DESIGN BASE SHEAR	0.1546xW
SEISMIC RESPONSE COEFFICIENT (C <sub>s</sub> )	0.1546
RESPONSE MODIFICATION FACTOR	5
ANALYSIS PROCEDURE	ELFP

### SNOW DESIGN DATA

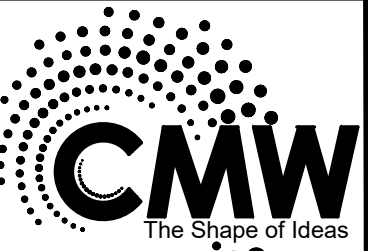
GROUND SNOW LOAD (P <sub>g</sub> )	15 PSF
MINIMUM SLOPED ROOF SNOW LOAD (P <sub>m</sub> )	15 PSF
FLAT ROOF SNOW LOAD (P <sub>f</sub> )	15 PSF
IMPORTANCE FACTOR	1.0
THERMAL FACTOR (C <sub>t</sub> )	1.0
SNOW EXPOSURE FACTOR (C <sub>e</sub> )	0.9

### DESIGN LIVE LOADS

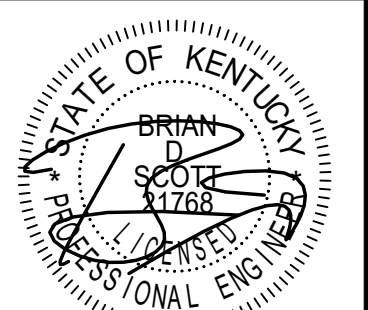
ROOF	20 PSF
1st FLOOR	100 PSF

### 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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4/23/2024

**STRUCTURAL NOTES**  
Five Star #7624 - Paducah  
**NEWCOMB OIL CO. LLC**  
2310 Lone Oak Rd.  
PADUCAH, KY 42003

### CONSTRUCTION DOCUMENTS

Issue Date: April 23, 2024

Drawn By: HMM

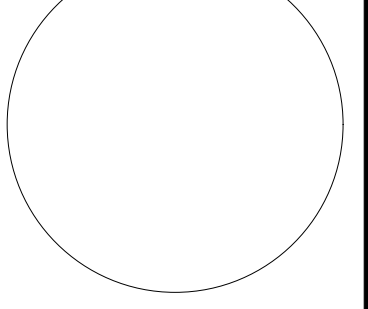
Checked By: BDS

Revisions:

Revision 1

Mark Date

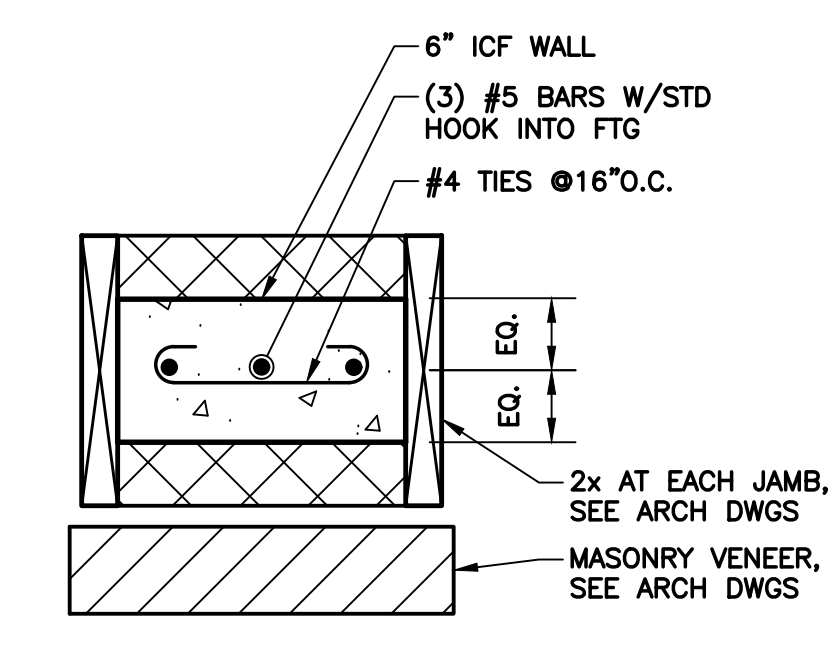
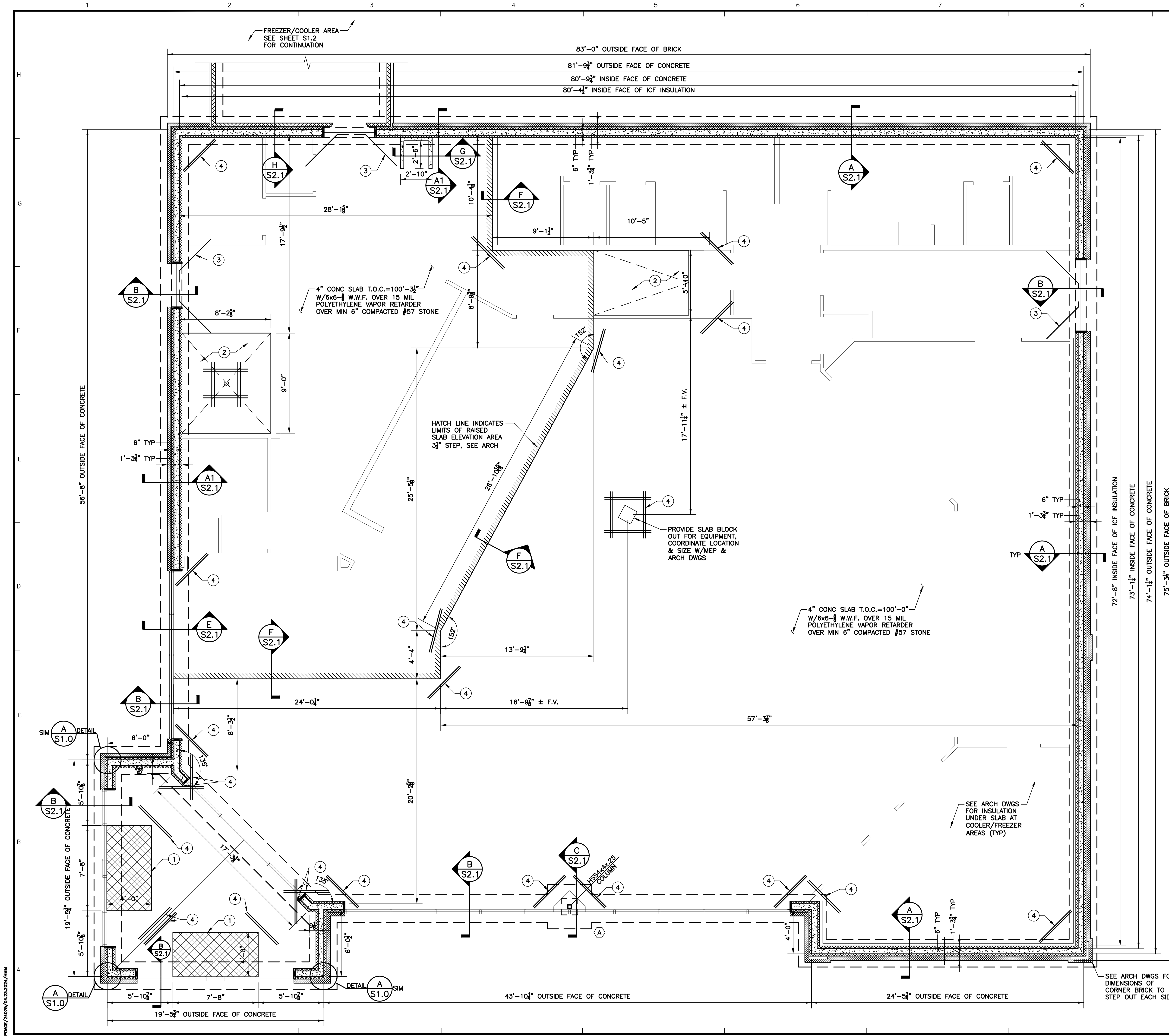
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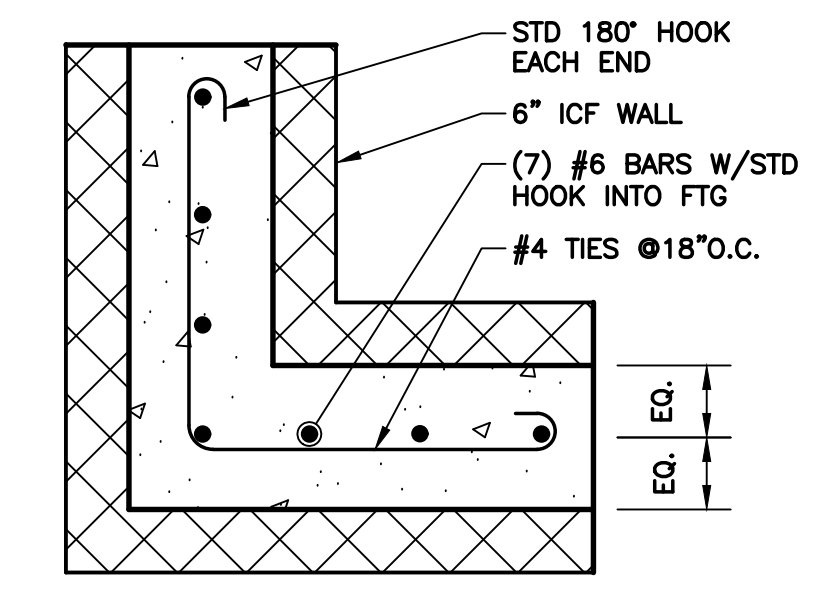
Project Number  
**24075**

**SO.0**





**DETAIL B**  
S1.0



**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**

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The Shape of Ideas  
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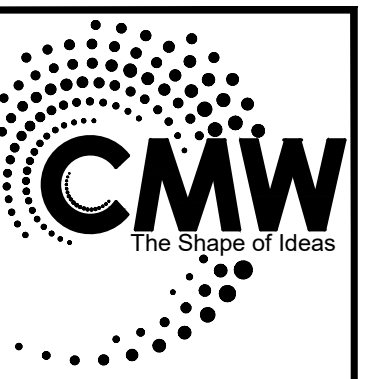
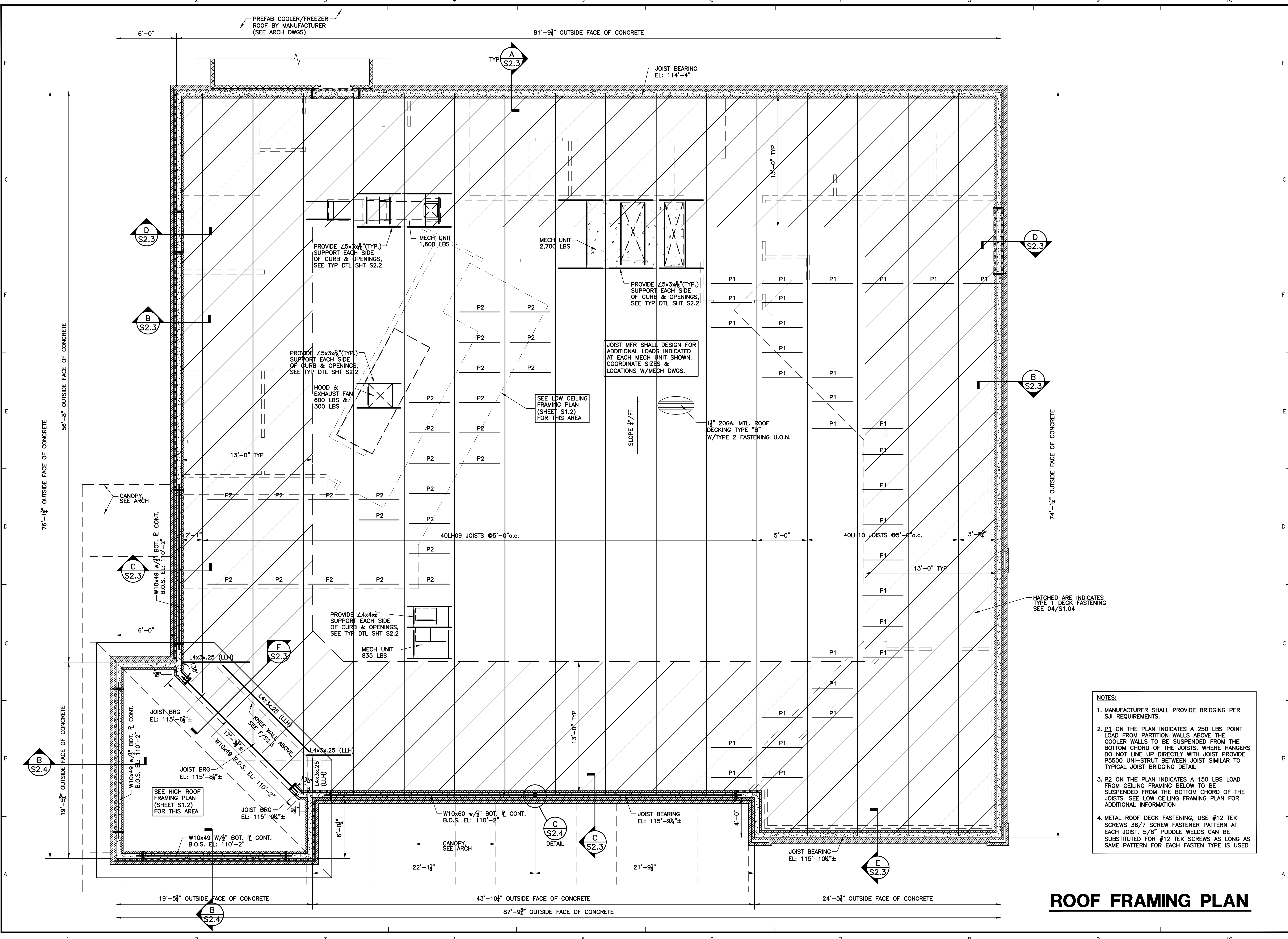
STATE OF KENTUCKY  
SCOTT K. BRUM  
K1788  
PROFESSIONAL ENGINEER  
4/23/2024

**FOUNDATION PLAN**  
Five Star #7624 - Paducah  
**NEWCOMB OIL CO. LLC**  
2310 Lone Oak Rd.  
PADUCAH, KY 42003

CONSTRUCTION DOCUMENTS  
Issue Date: April 23, 2024  
Drawn By: HMM  
Checked By: BDS  
Revisions:  
Revision 1

Project Number  
**24075**

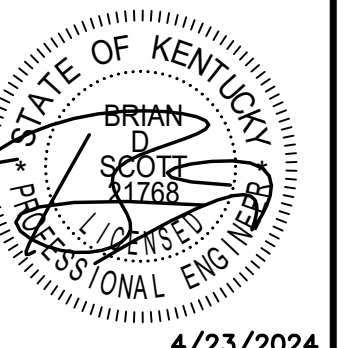
**S1.0**



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**POAGE ENGINEERS & ASSOCIATES**



4/23/2024

**LOW ROOF FRAMING PLAN**  
Five Star #7624 - Paducah  
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PADUCAH, KY 42003

CONSTRUCTION DOCUMENTS

Issue Date:	April 23, 2024
Drawn By:	HMM
Checked By:	BDS
Revisions:	
Revision 1	
Mark	Date
AHJ SEAL	

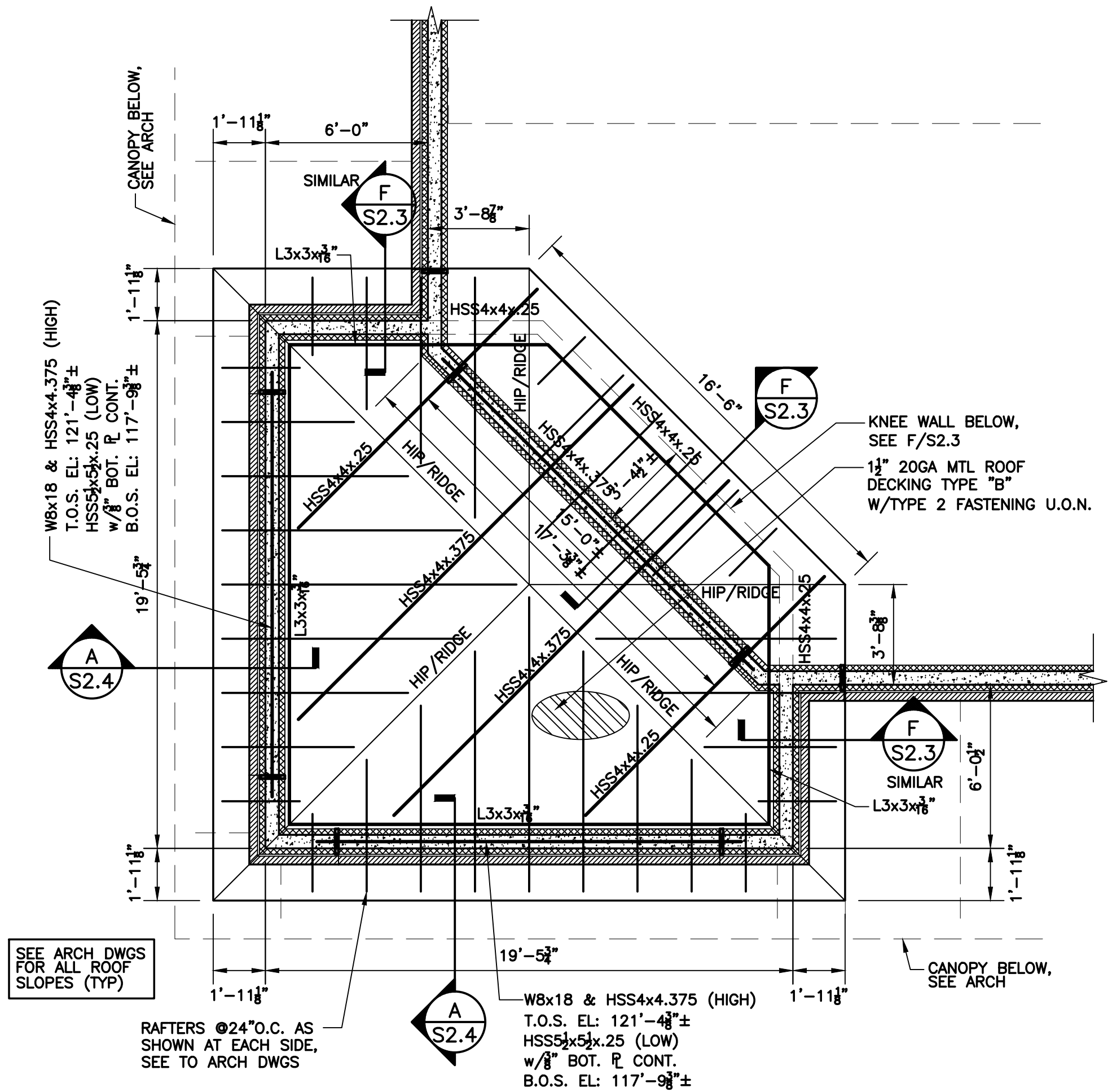
Project Number  
**24075**

**S1.1**

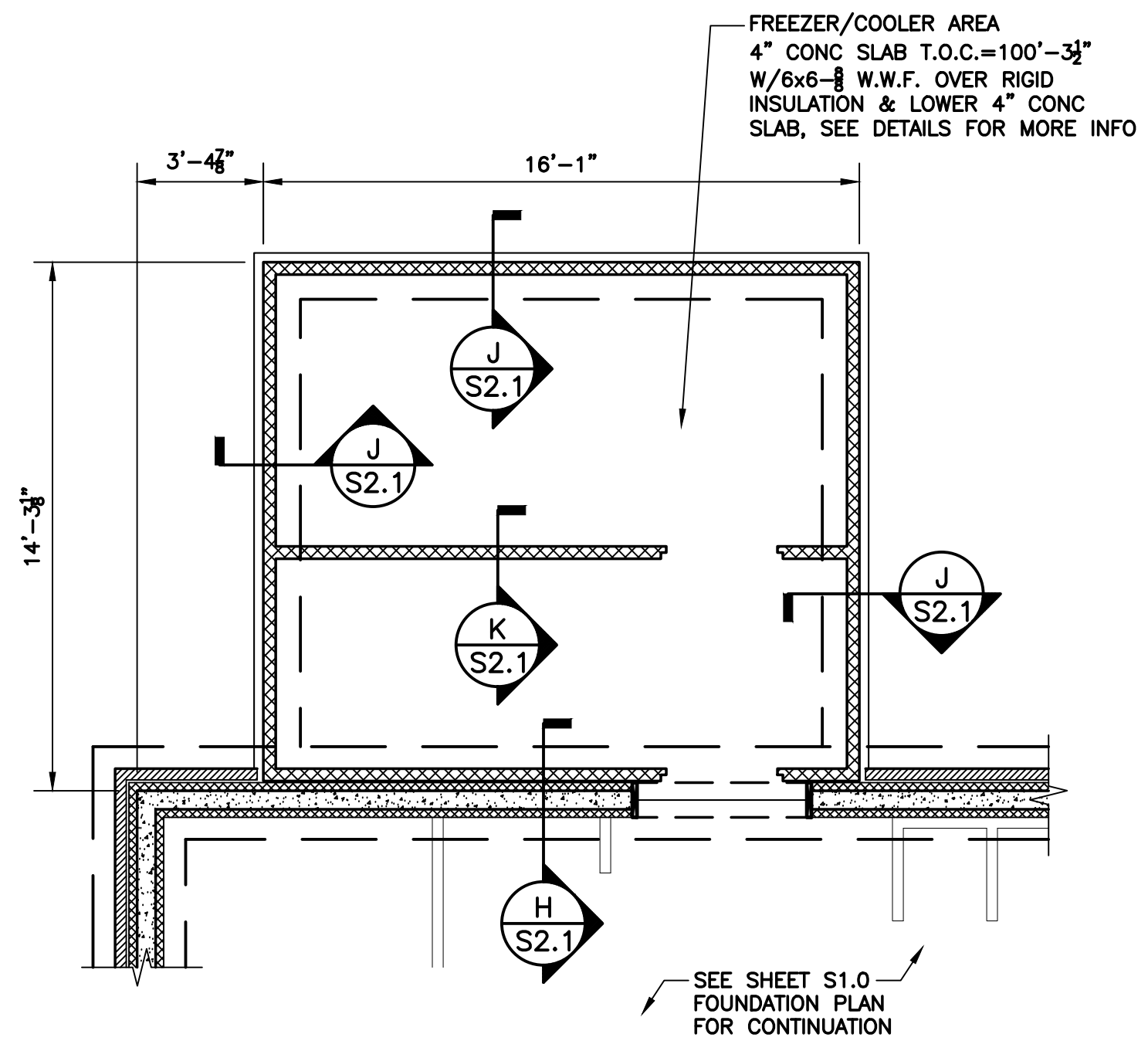
**ROOF FRAMING PLAN**

- NOTES:**
1. MANUFACTURER SHALL PROVIDE BRIDGING PER SJI REQUIREMENTS.
  2. P1 ON THE PLAN INDICATES A 250 LBS POINT LOAD FROM PARTITION WALLS ABOVE THE COOLER WALLS TO BE SUSPENDED FROM THE BOTTOM CHORD OF THE JOISTS. WHERE HANGERS DO NOT LINE UP DIRECTLY WITH JOIST PROVIDE P5500 UNI-STRUT BETWEEN JOIST SIMILAR TO TYPICAL JOIST BRIDGING DETAIL
  3. P2 ON THE PLAN INDICATES A 150 LBS LOAD FROM CEILING FRAMING BELOW TO BE SUSPENDED FROM THE BOTTOM CHORD OF THE JOISTS. SEE LOW CEILING FRAMING PLAN FOR ADDITIONAL INFORMATION
  4. METAL ROOF DECK FASTENING, USE #12 TEK SCREWS 36/7 SCREW FASTENER PATTERN AT EACH JOIST. 5/8" PUDDLE WELDS CAN BE SUBSTITUTED FOR #12 TEK SCREWS AS LONG AS SAME PATTERN FOR EACH FASTEN TYPE IS USED

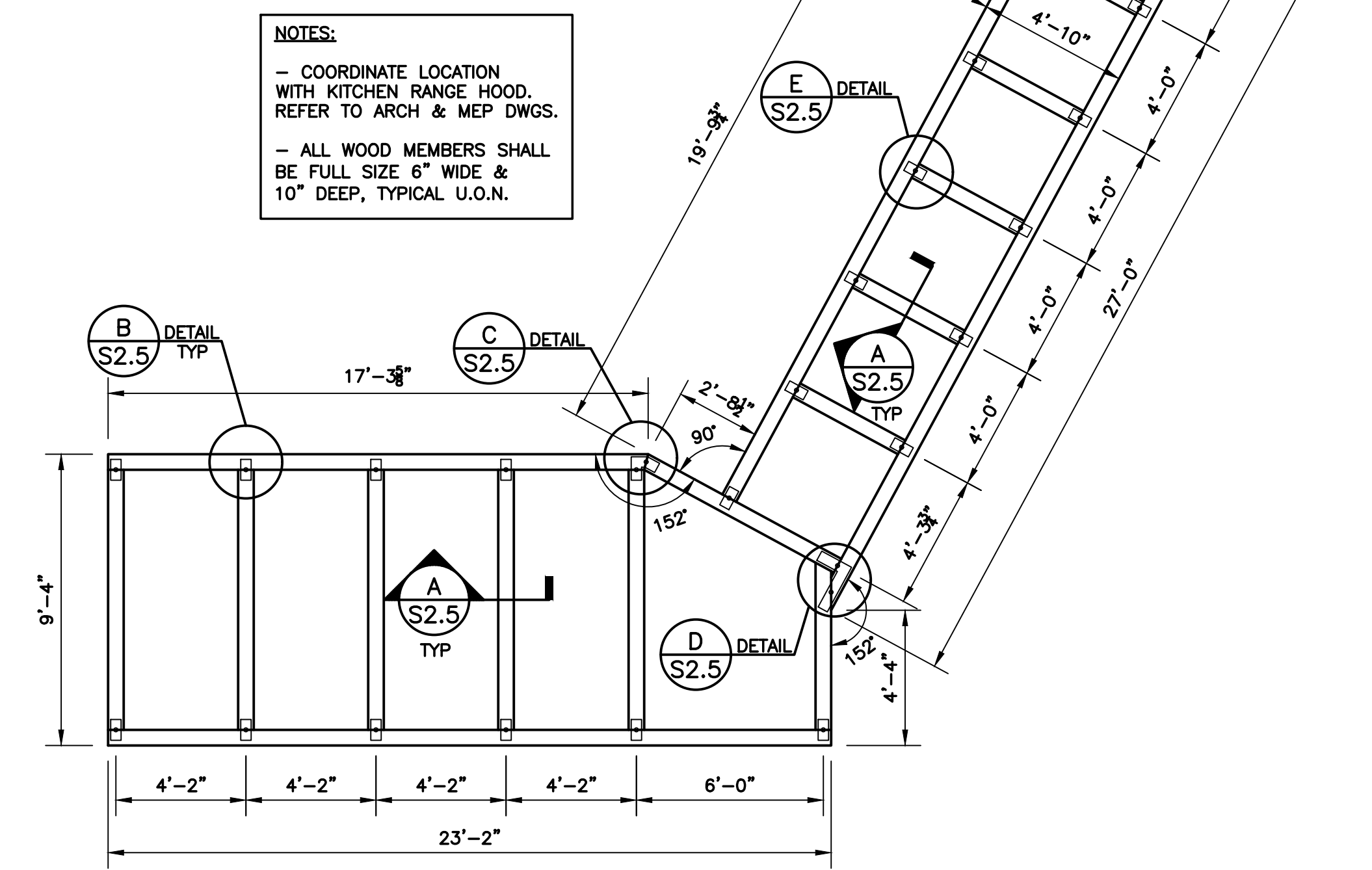
POAGE/24075/04.23.2024/NMM



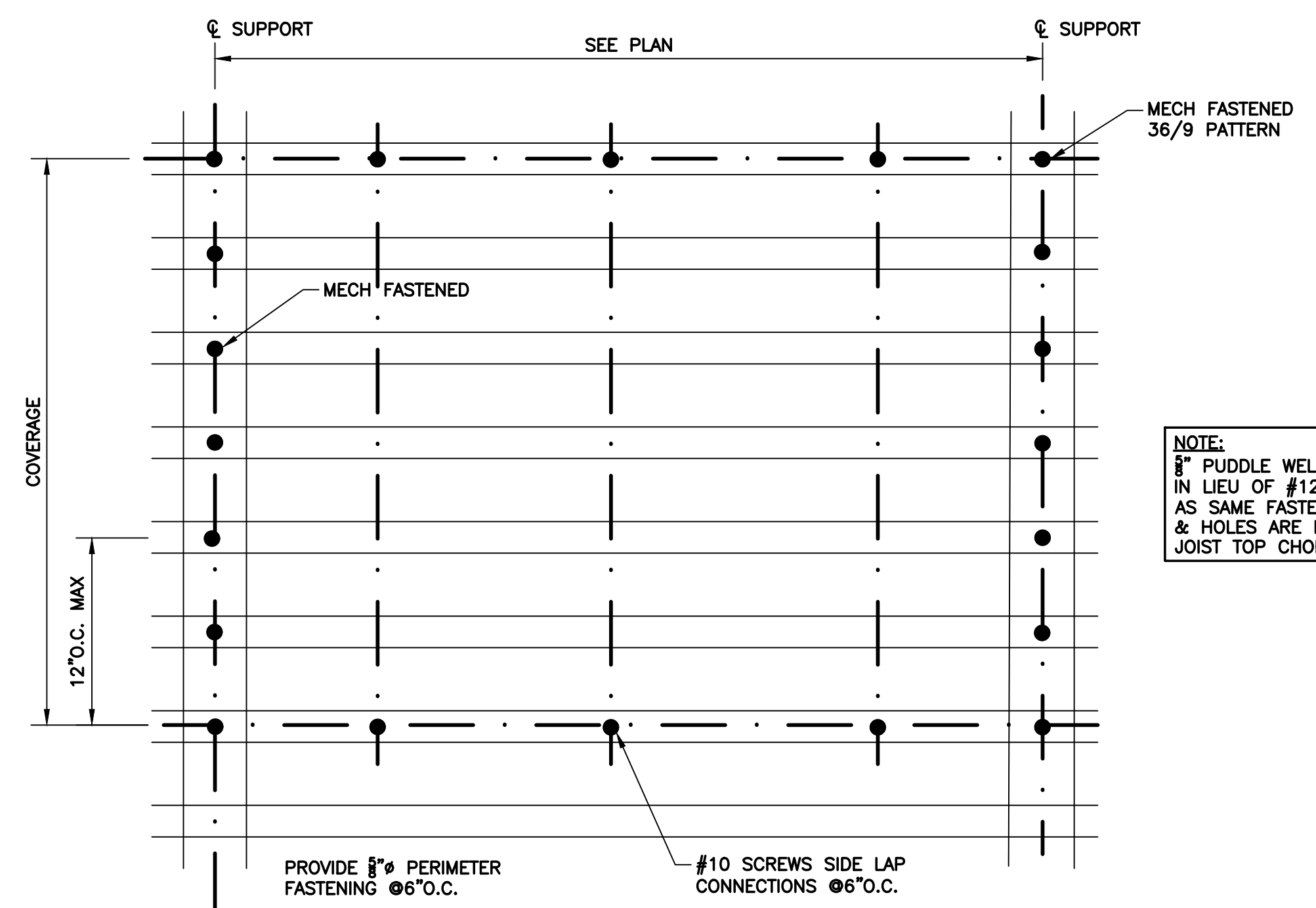
**HIGH ROOF FRAMING PLAN**



**FREEZER/COOLER FOUNDATION PLAN**

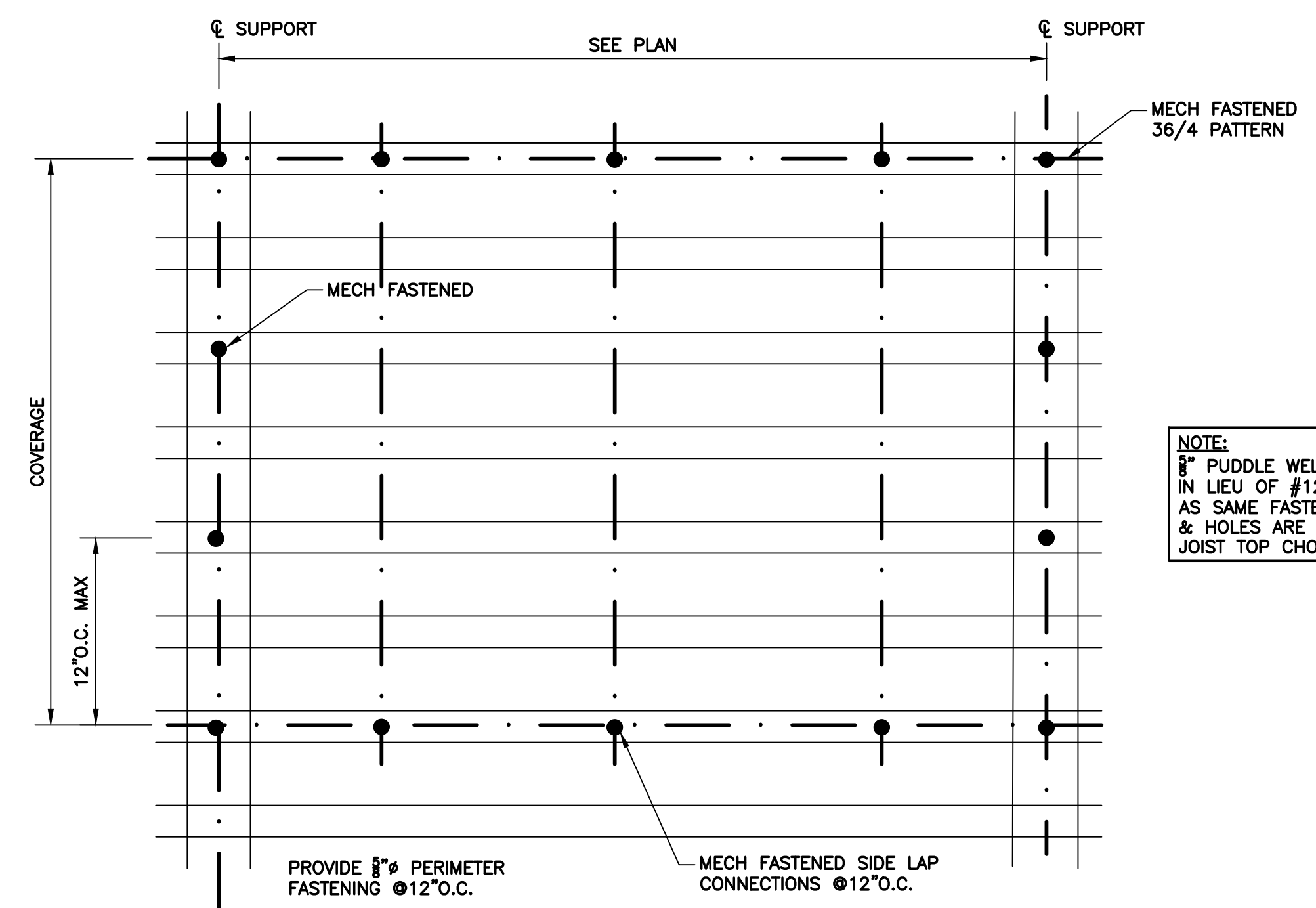


**LOW CEILING FRAMING PLAN**



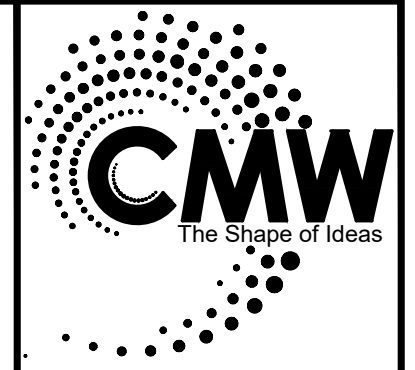
**METAL ROOF DECK FASTENING PATTERN TYPE 1 (SHADED AREA)**

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**

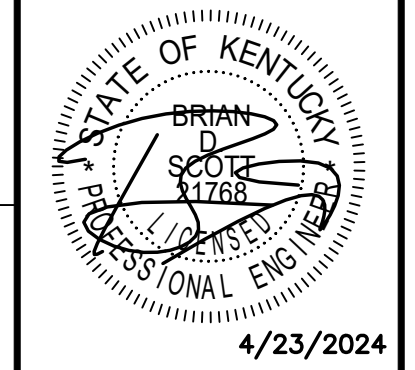
NOTE:  
3/8" PUDDLE WELDS ARE ACCEPTABLE IN LIEU OF #12 TEK SCREWS AS LONG AS SAME FASTENING PATTERN IS USED & HOLES ARE NOT BURNED INTO THE JOIST TOP CHORD.



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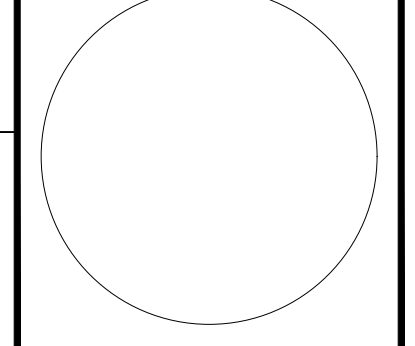
4/23/2024

**SECTIONS & DETAILS**  
Five Star #7624 - Paducah  
**NEWCOMB OIL CO. LLC**  
2310 Lone Oak Rd.  
PADUCAH, KY 42003

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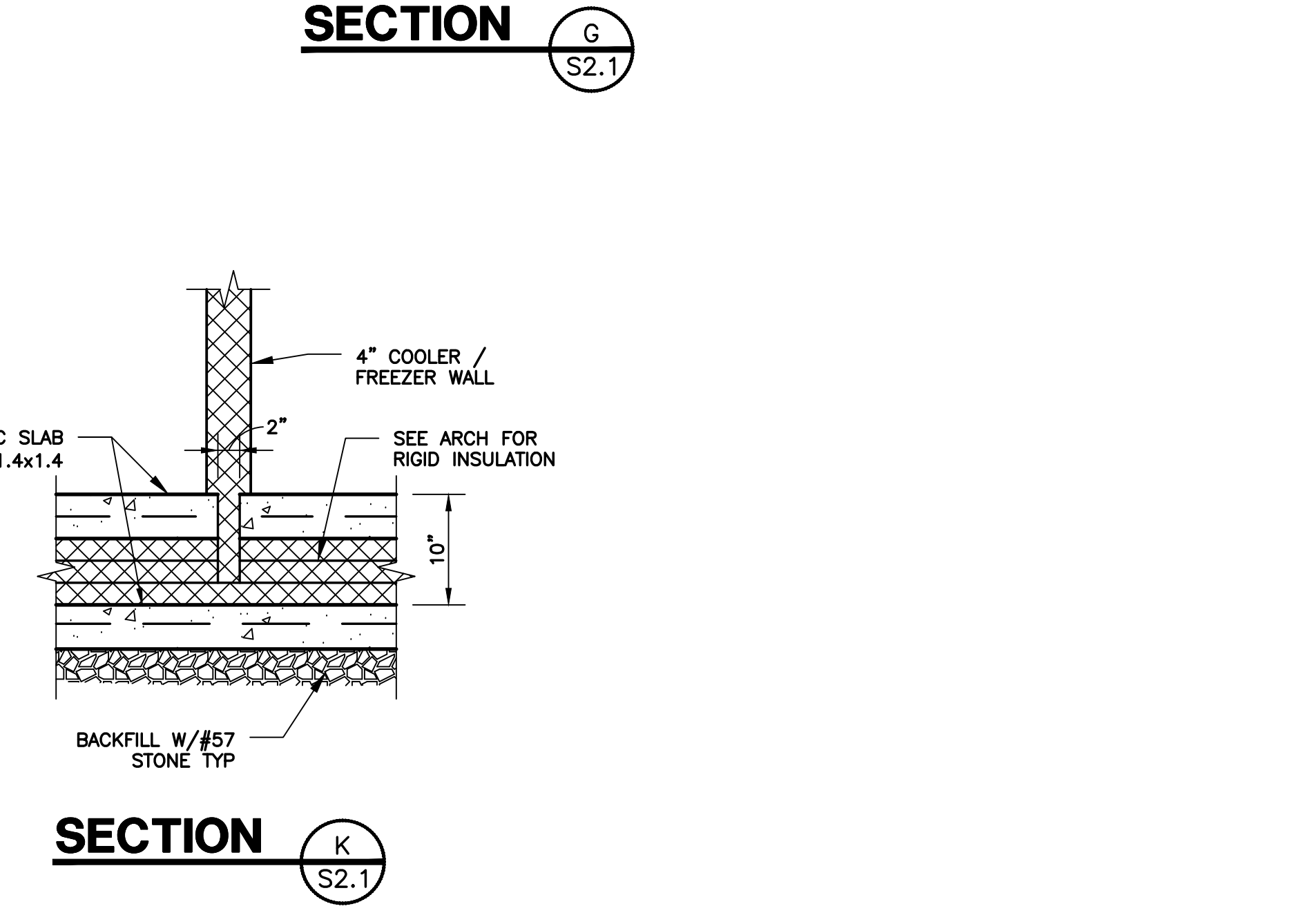
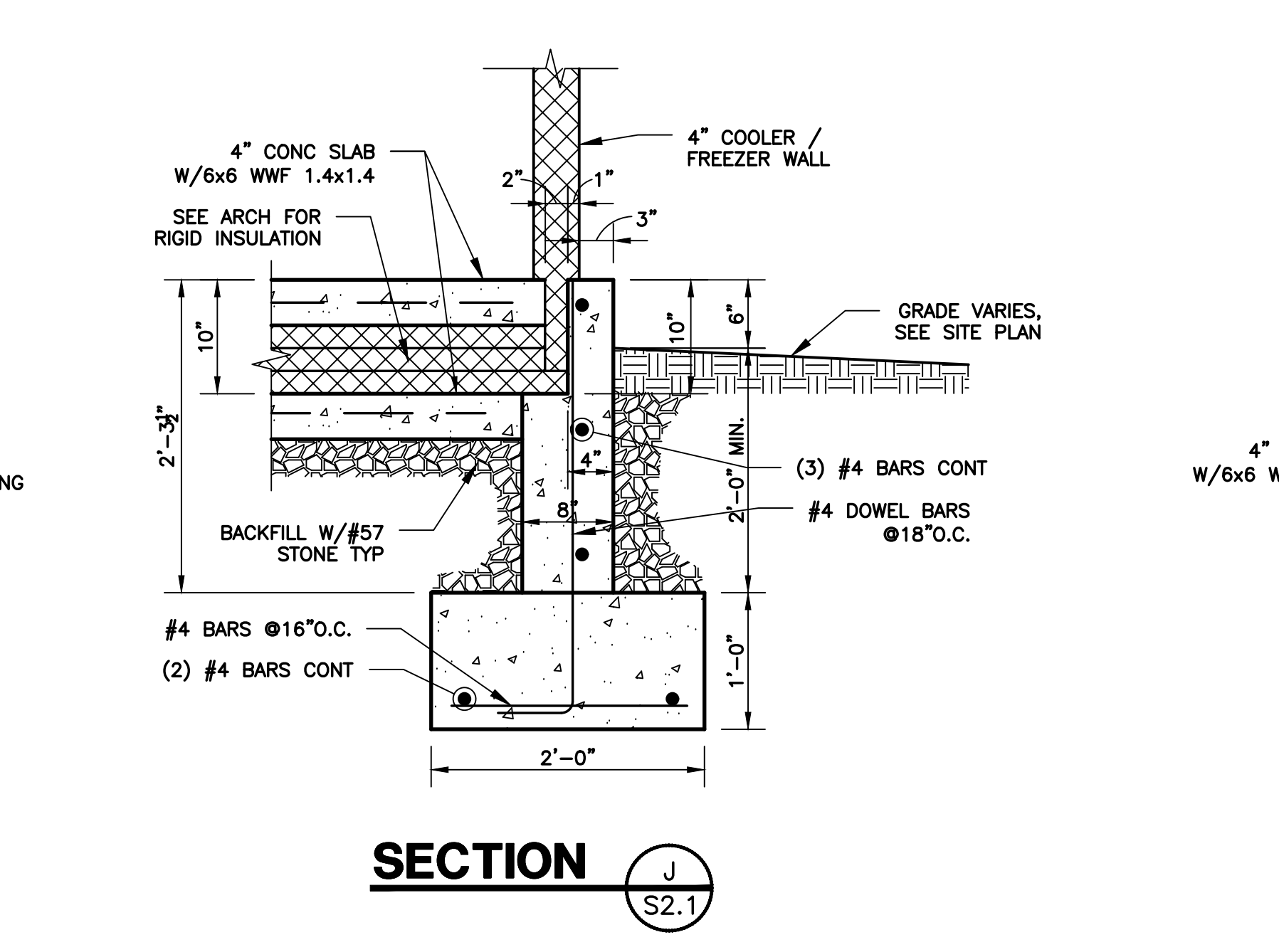
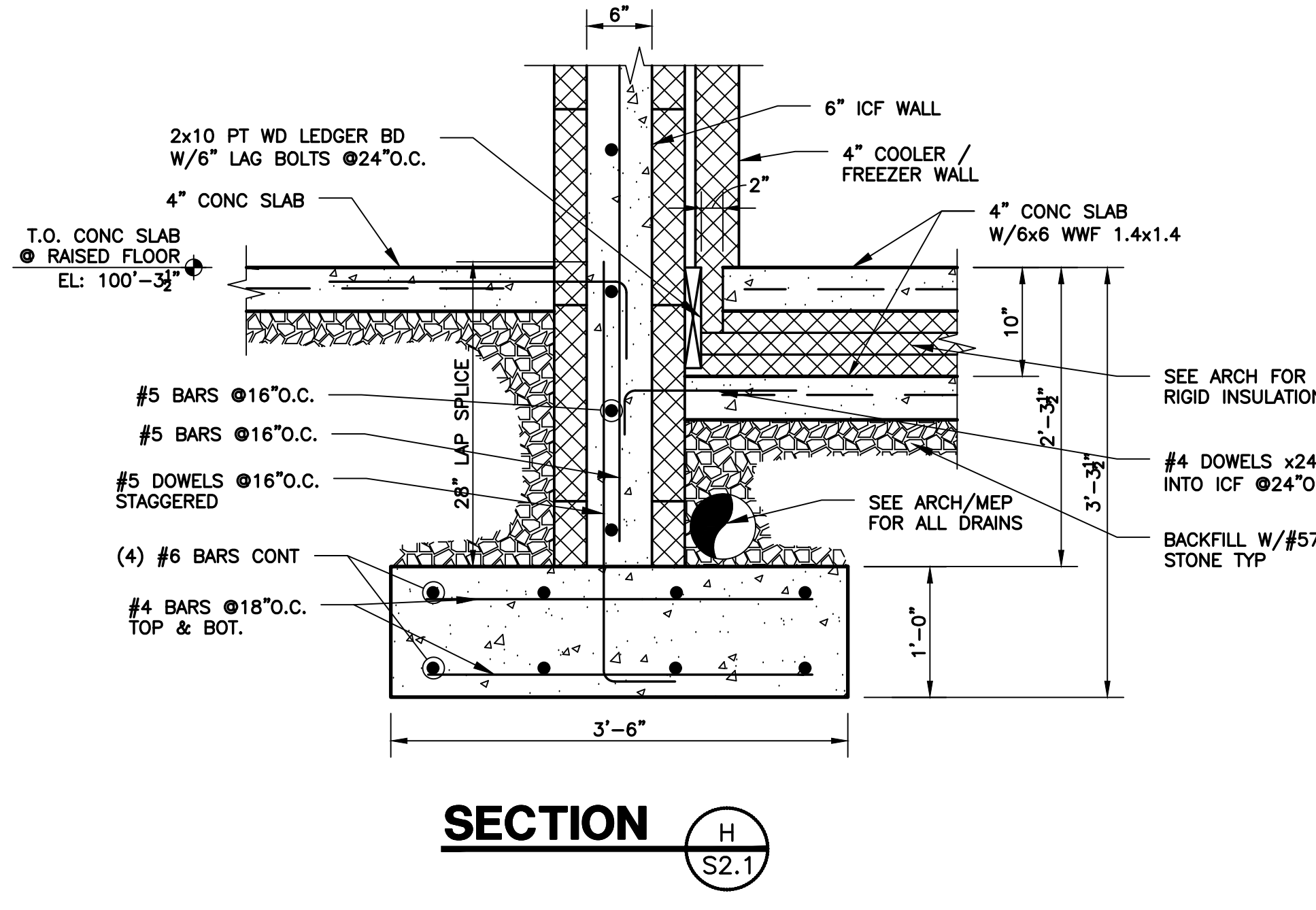
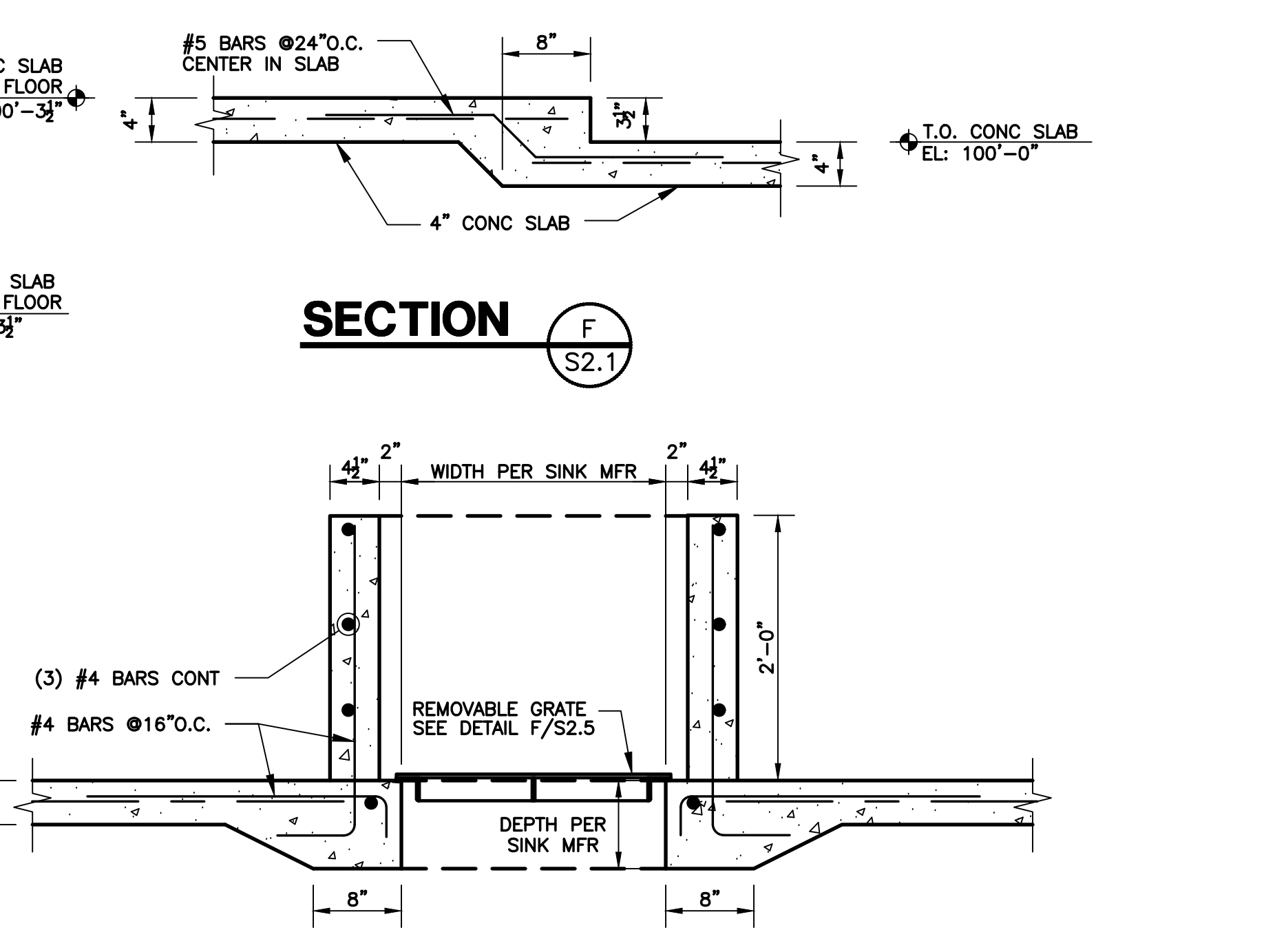
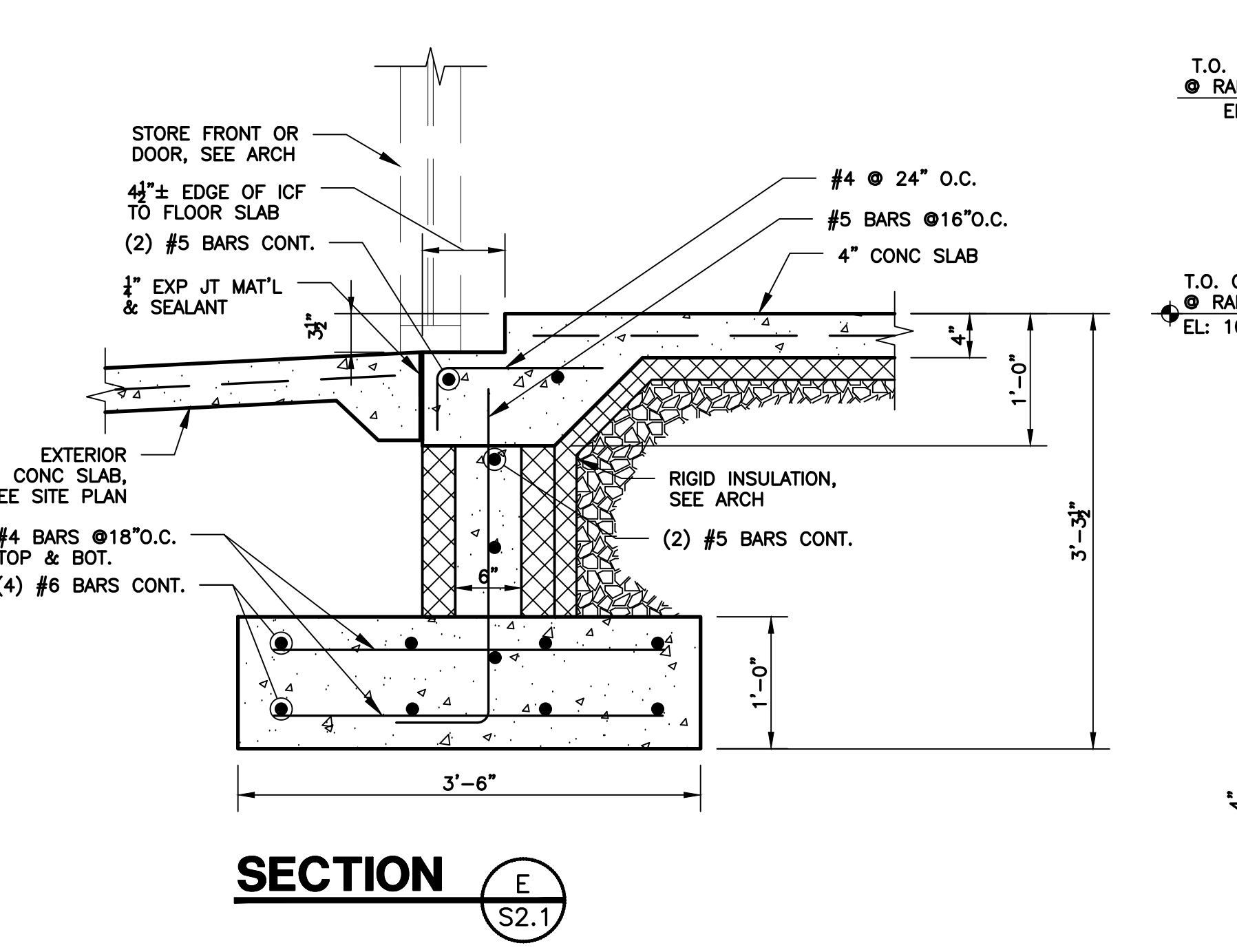
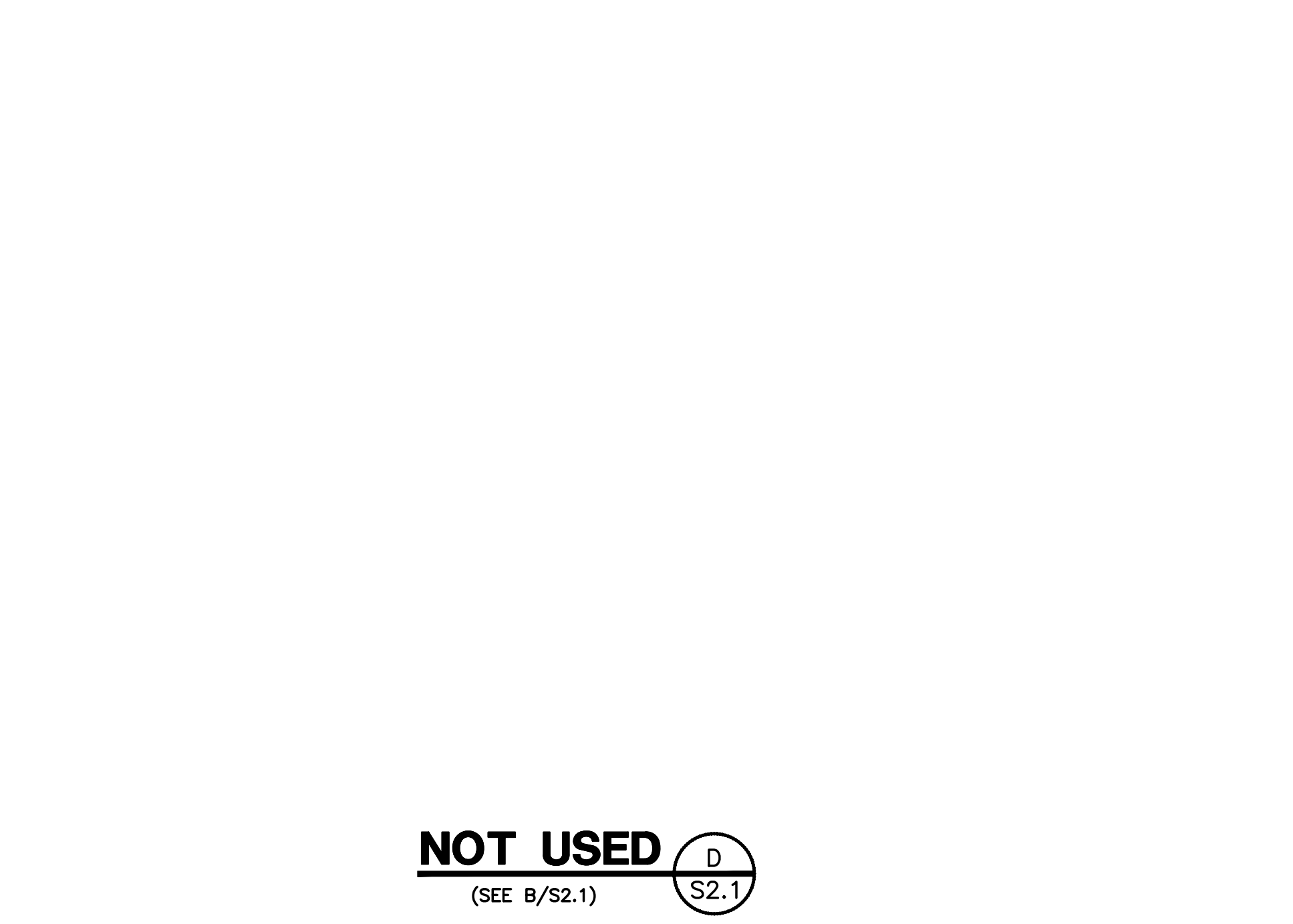
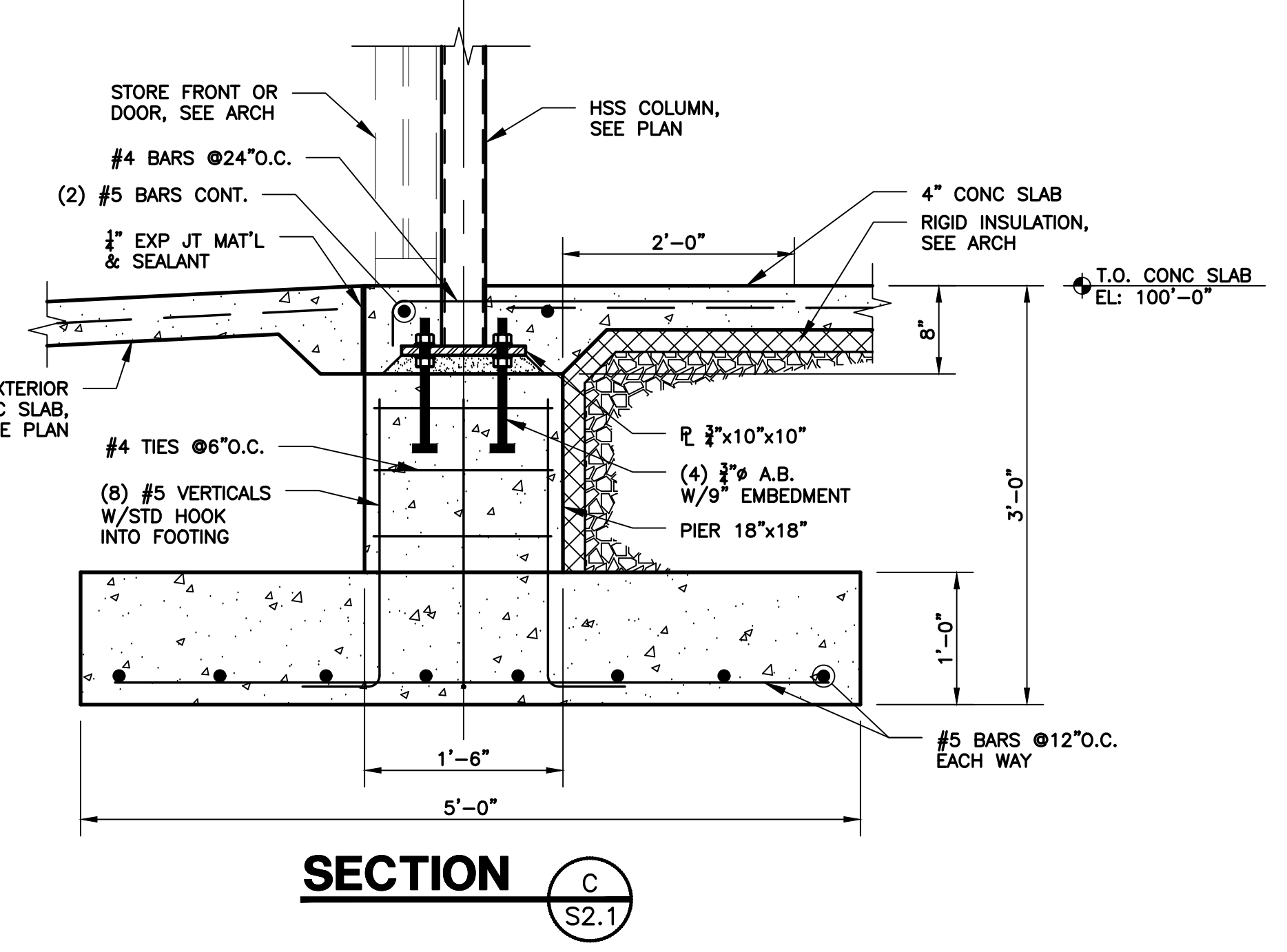
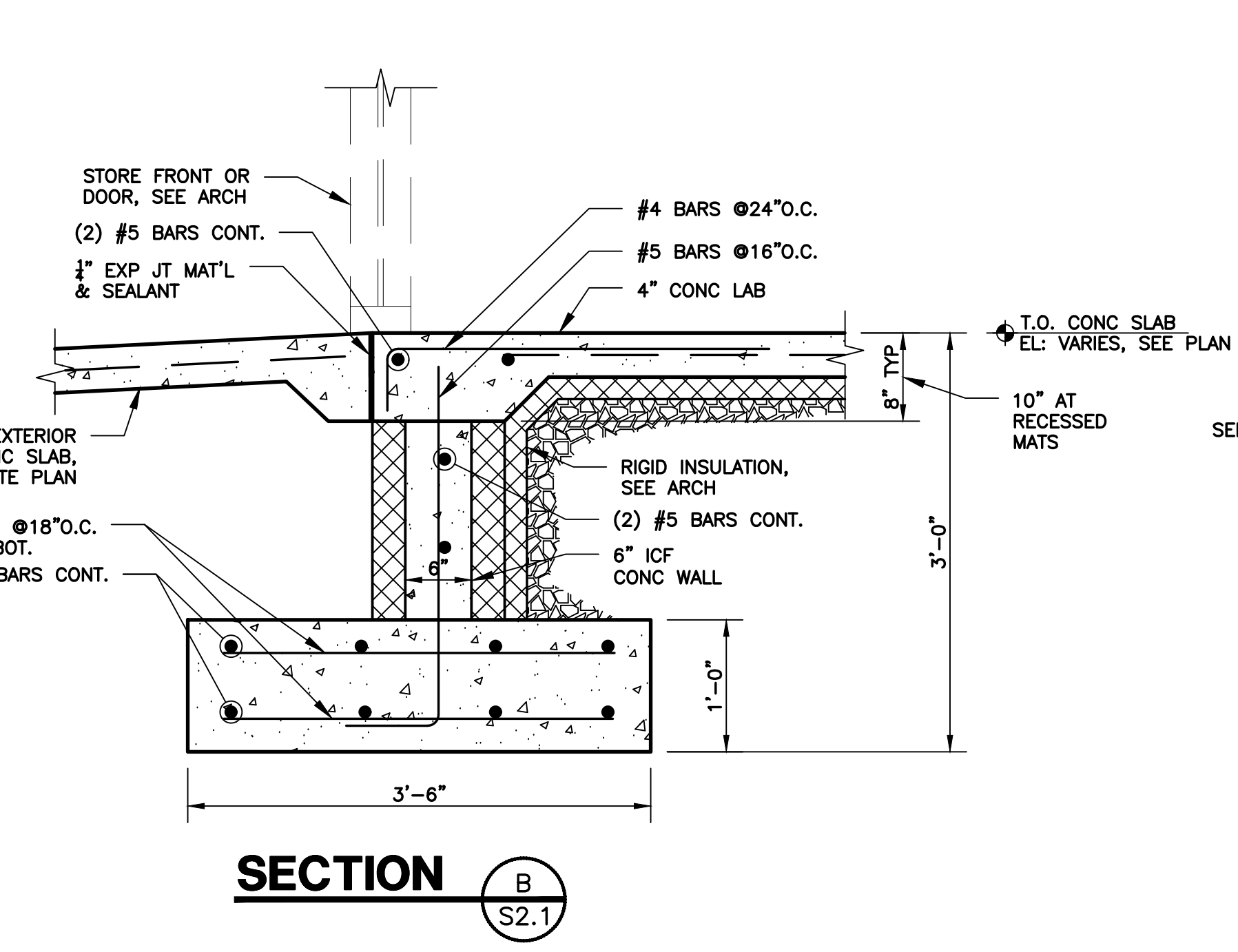
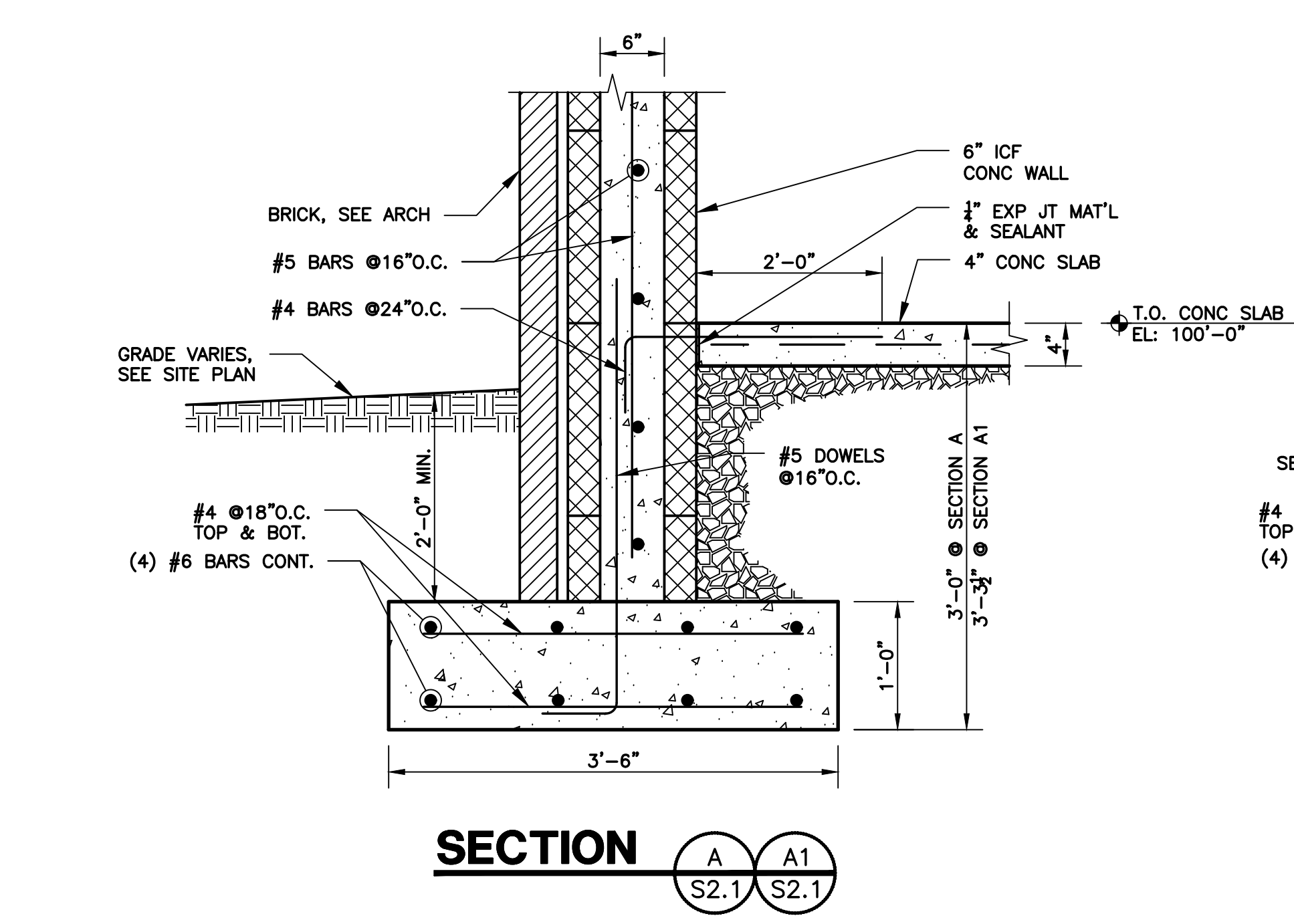
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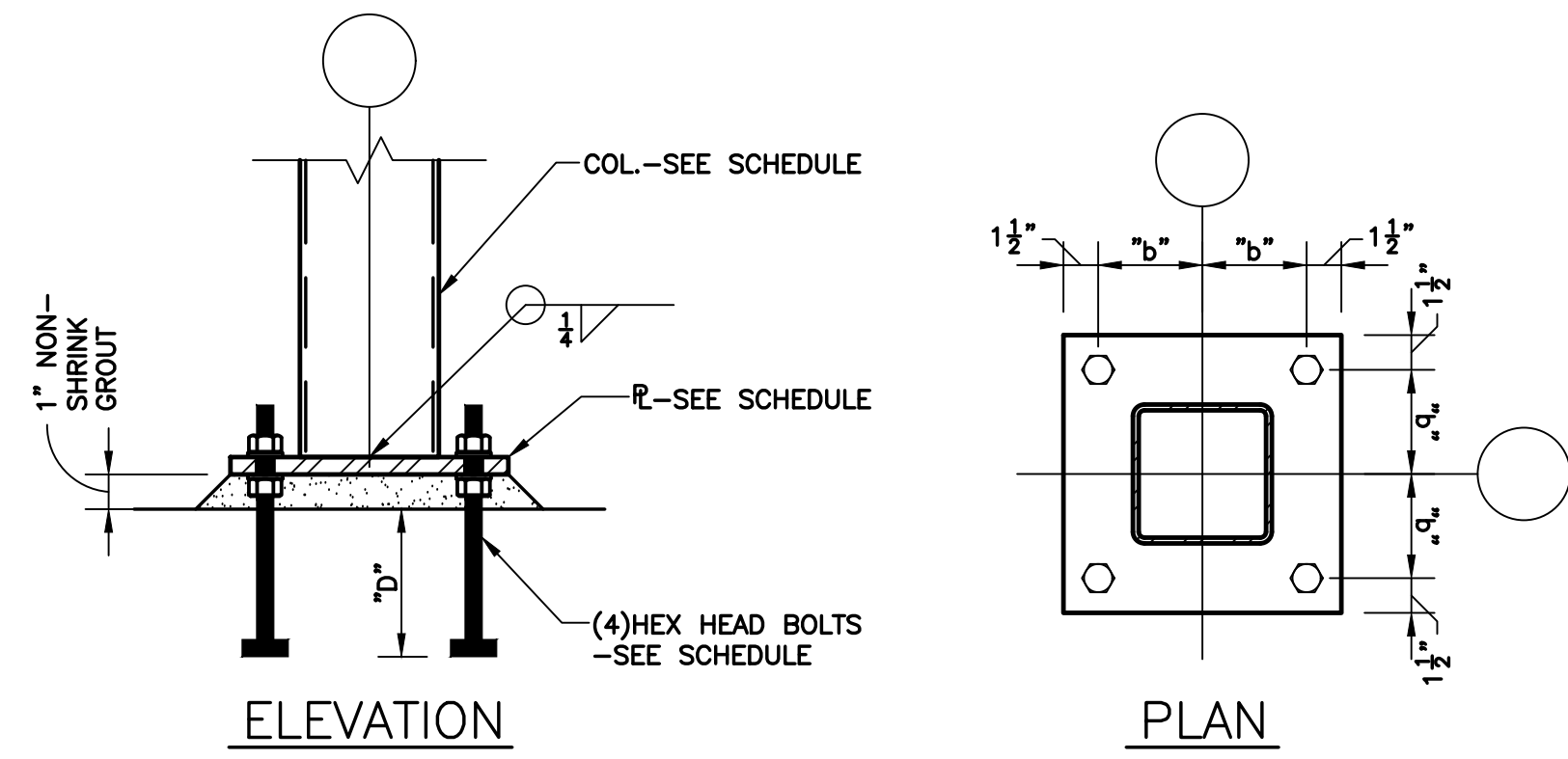


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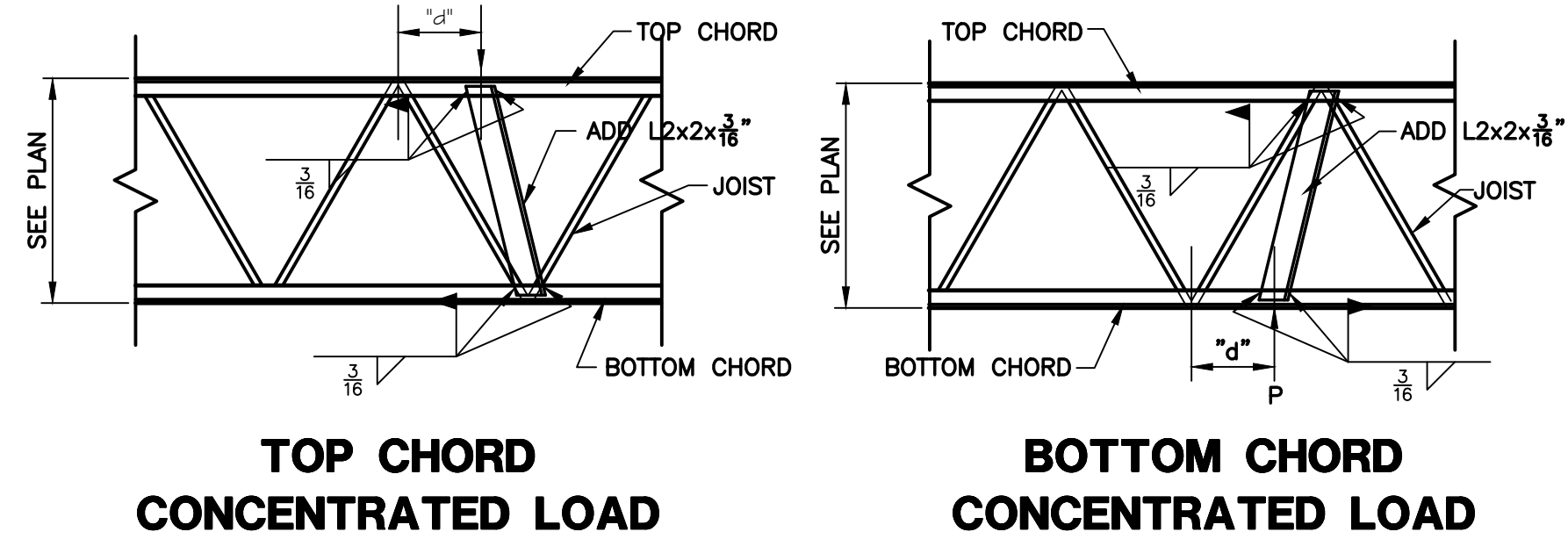
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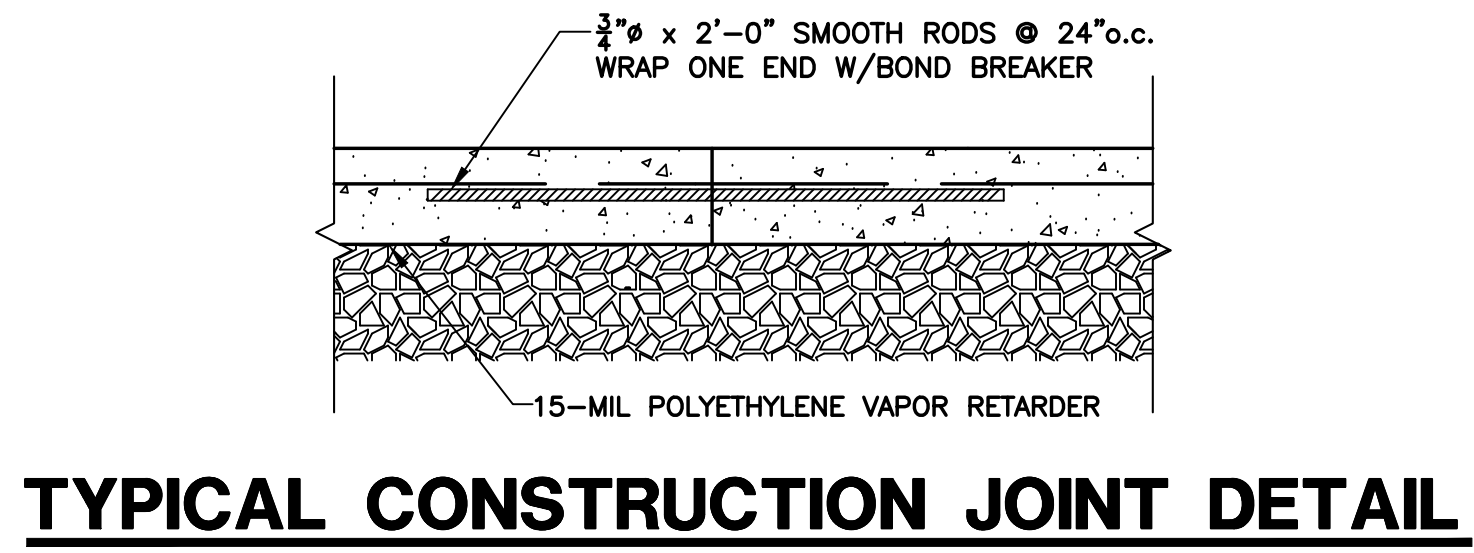
TUBE STEEL COLUMN/BASE R SCHEDULE				
COLUMN	PLATE SIZE	BOLT SPACING "b"	BOLT #	EMBED DEPTH "d"
HSS6x6	3/4"x12"x12"	4 1/2"	3/4"	12"
HSS4x4	3/4"x10"x10"	3 1/2"	3/4"	9"

**TYPICAL BASE PLATE DETAIL**

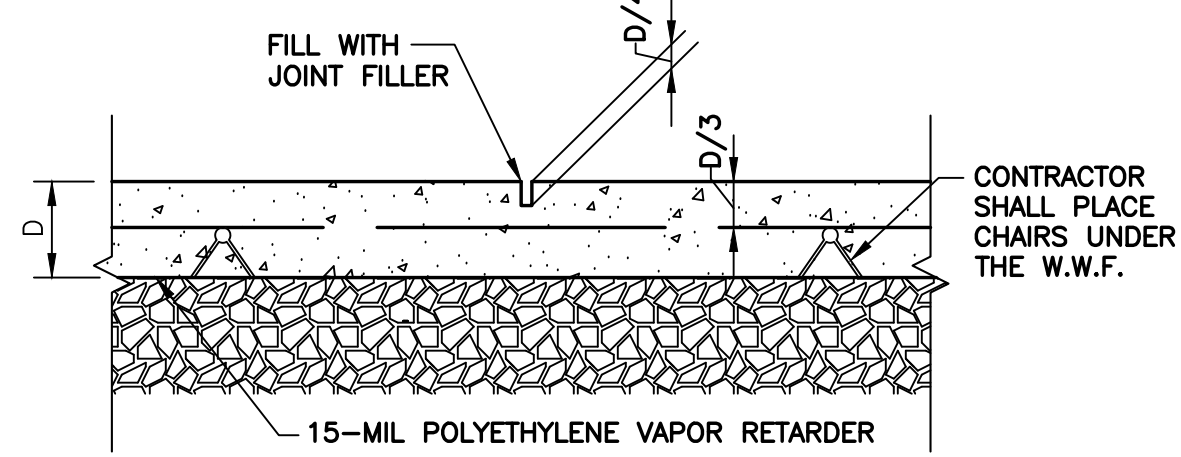
NOTES: 1) FOR "d" LESS THAN 6"-NO REINFORCING IS REQUIRED  
 2) FOR "P" LESS THAN 100#-NO REINFORCING IS REQUIRED



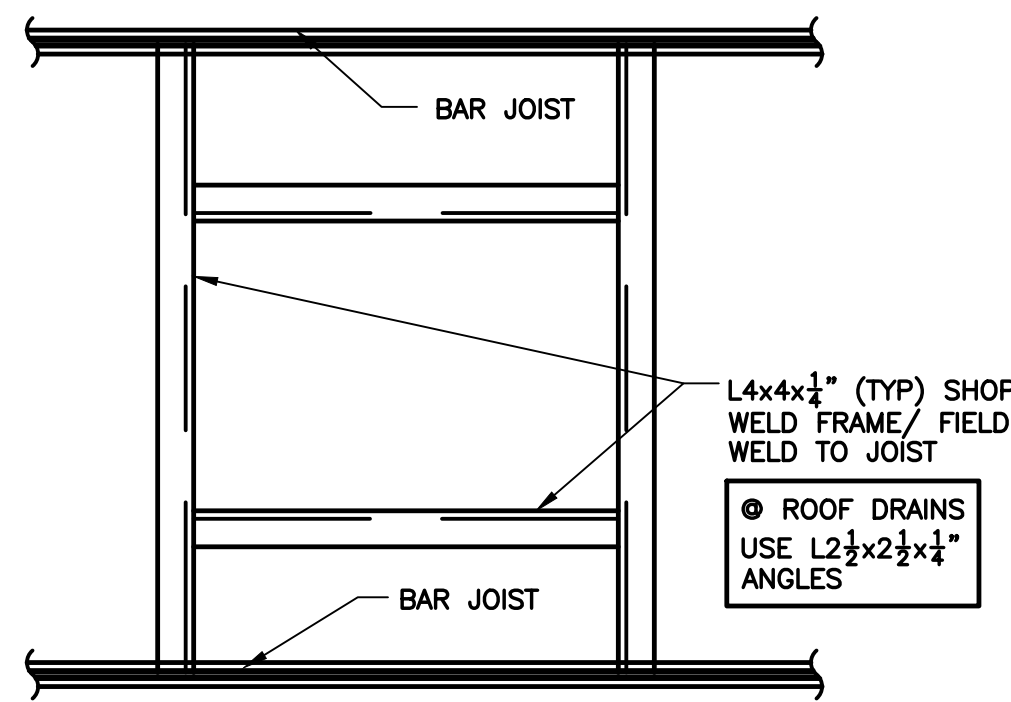
**TYPICAL REINFORCING REQUIRED AT ALL CONCENTRATED LOADS**



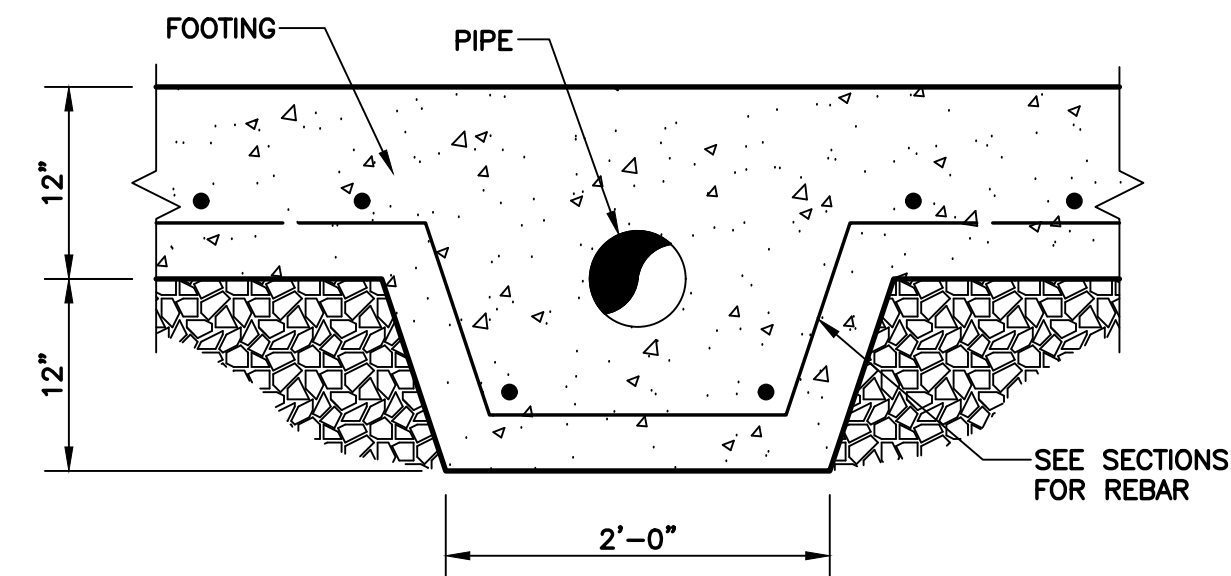
**TYPICAL CONSTRUCTION JOINT DETAIL**



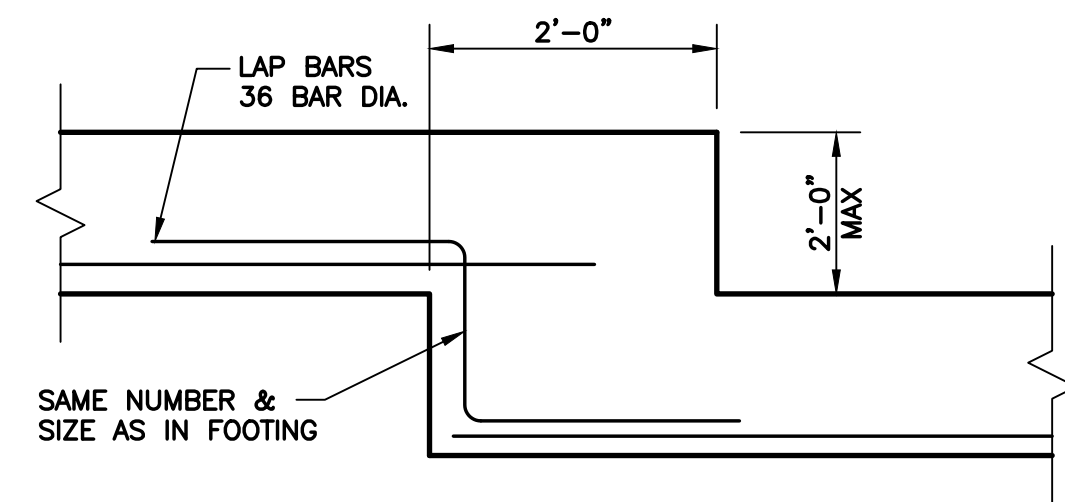
**TYPICAL CONTROL JOINT DETAIL**



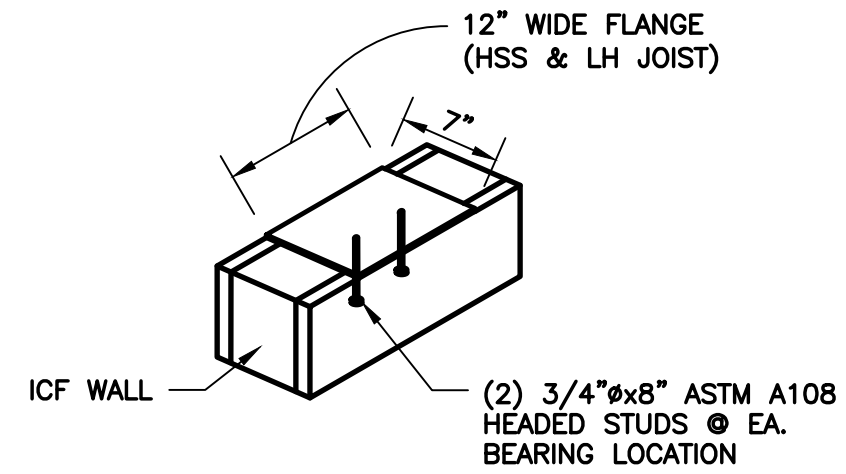
**TYPICAL ROOF OPENING**  
 (FOR ALL OPENINGS GREATER THAN 12")  
 (INCLUDES BUT IS NOT LIMITED TO ROOF DRAINS)



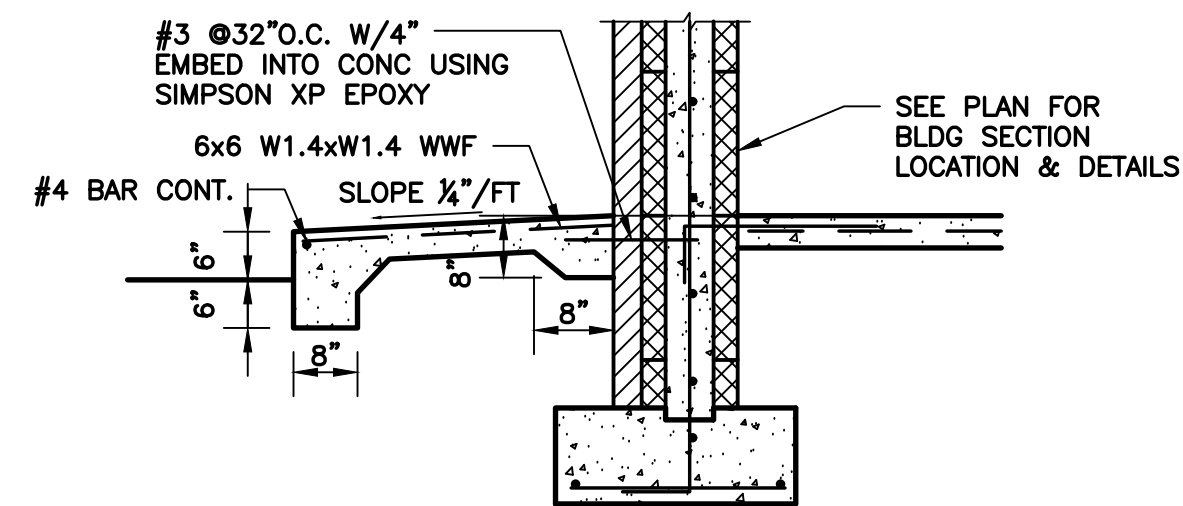
**TYPICAL PIPE PERFORATION @ FOOTINGS**



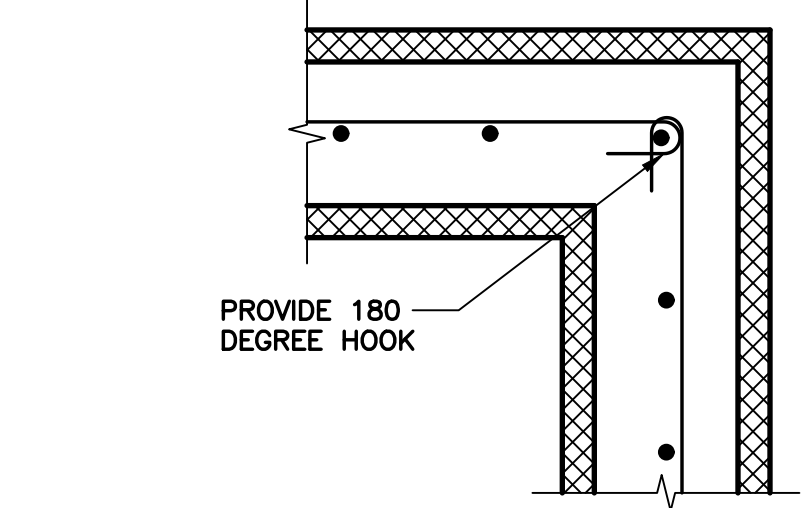
**TYPICAL STEP FOOTING**



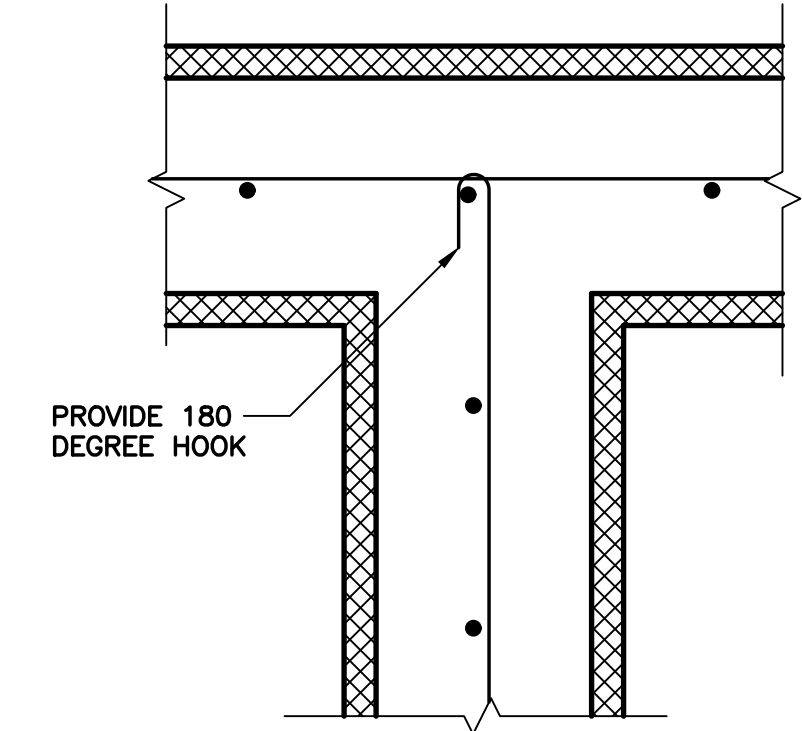
**TYPICAL BEARING PLATE DETAIL**



**TYPICAL SIDEWALK DETAIL**

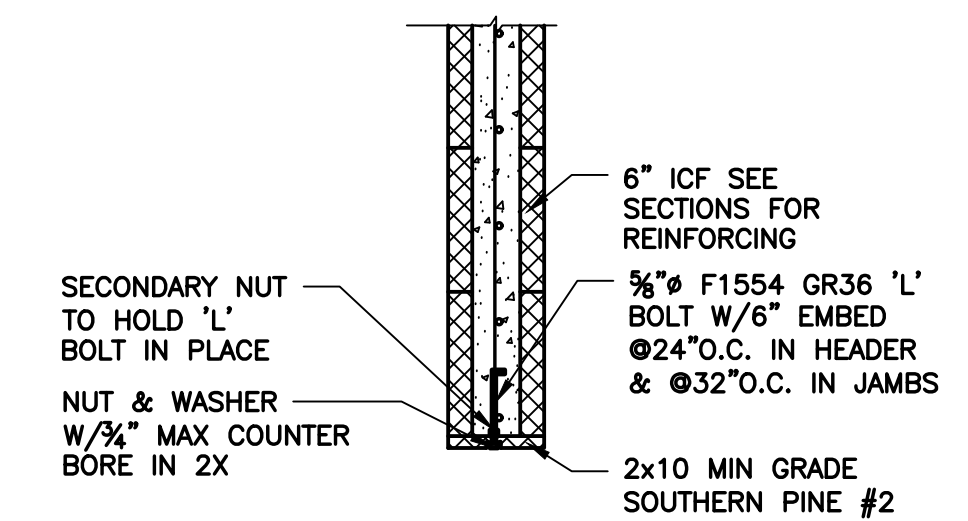


**TYPICAL CORNER ICF REINFORCING DETAIL**

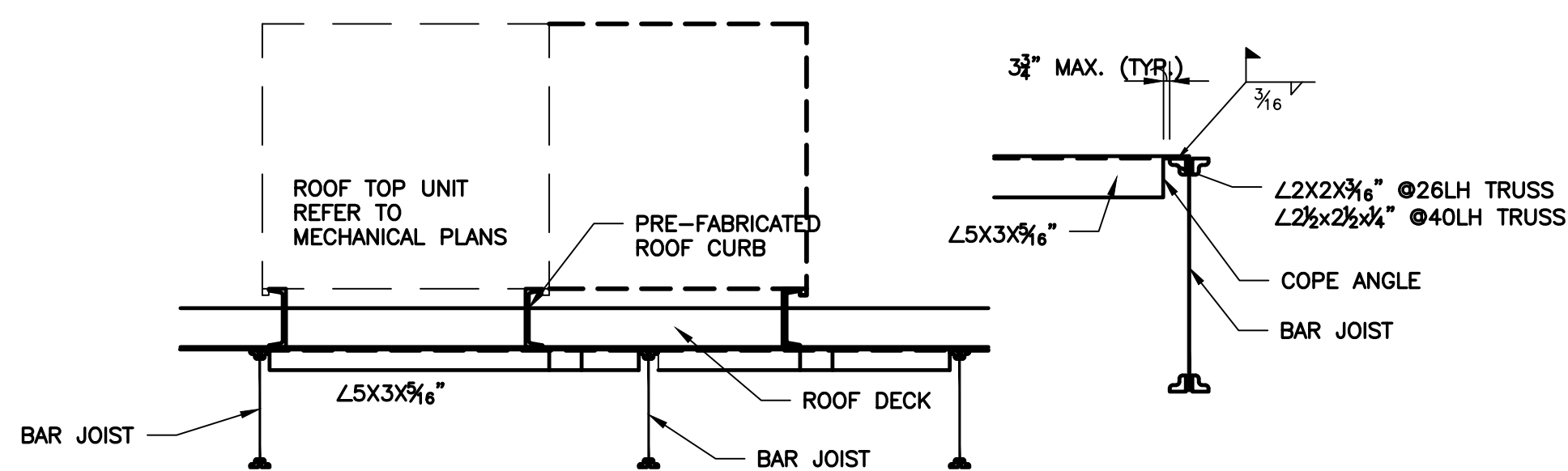


**TYPICAL WALL ICF INTERSECTION REINFORCING DETAIL**

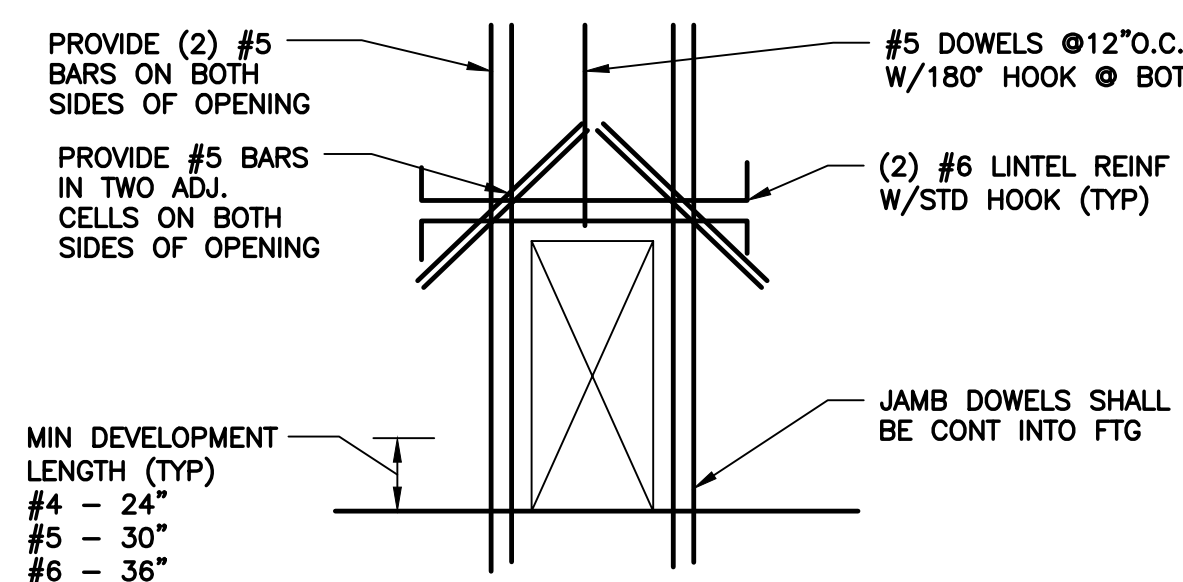
**TYPICAL BEARING PLATE DETAIL**



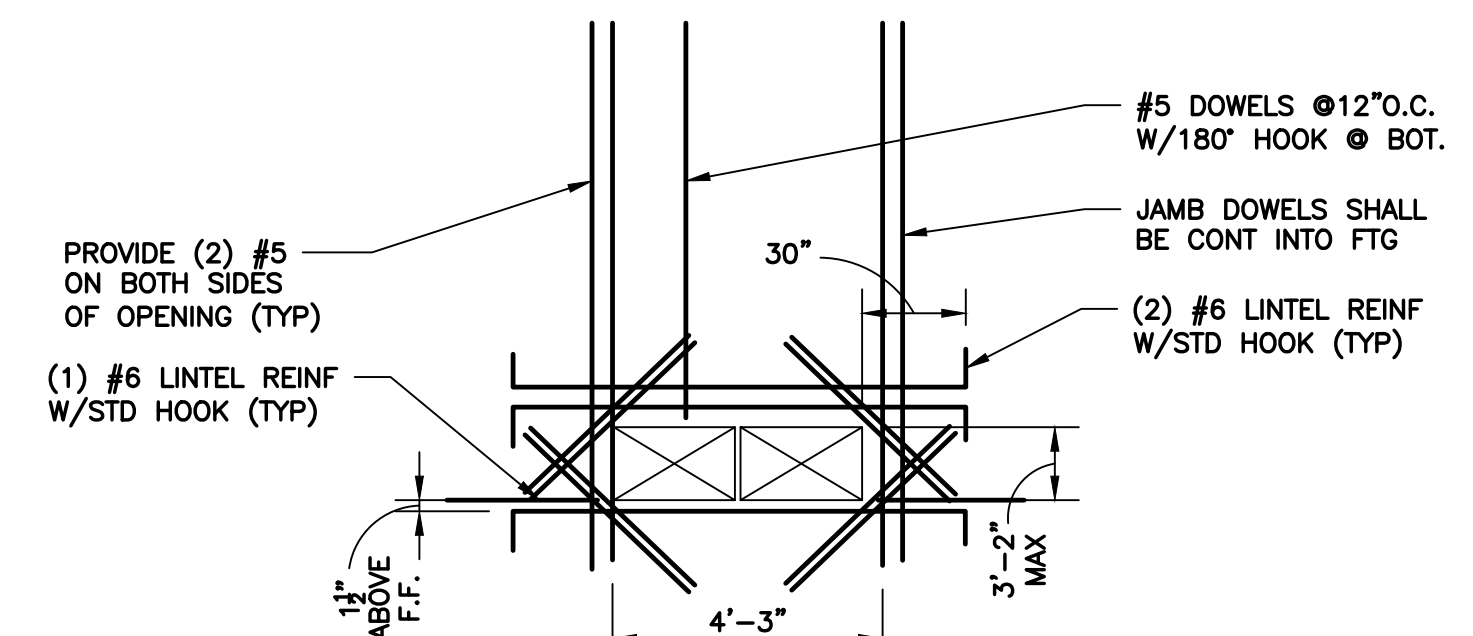
**TYPICAL ICF OPENING JAMB/HEAD DETAIL**



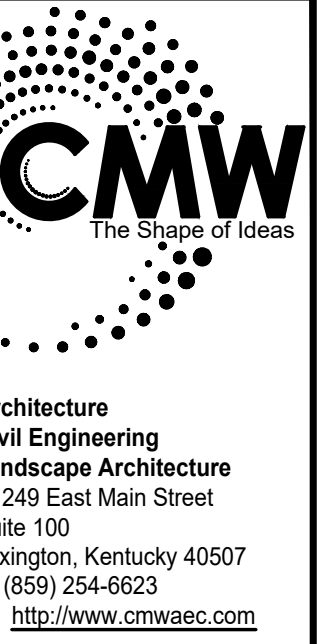
**RTU MECH UNIT SUPPORT SECTION**



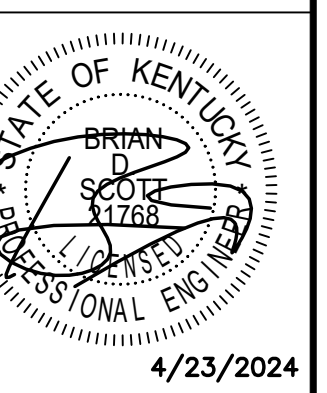
**TYPICAL REINFORCING @ OPENINGS IN ICF WALL**



**TYPICAL REINFORCING @ OPENINGS IN ICF WALL**



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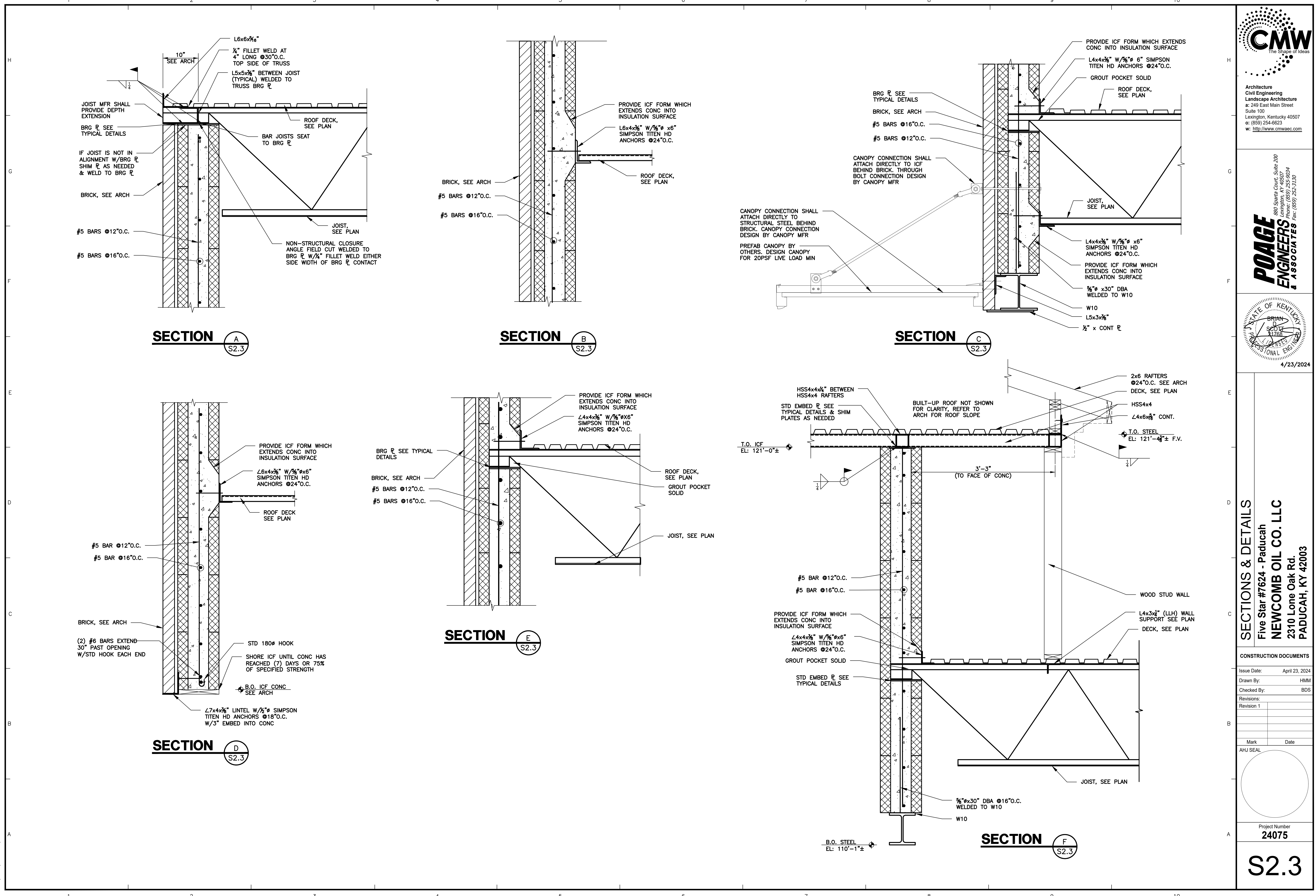
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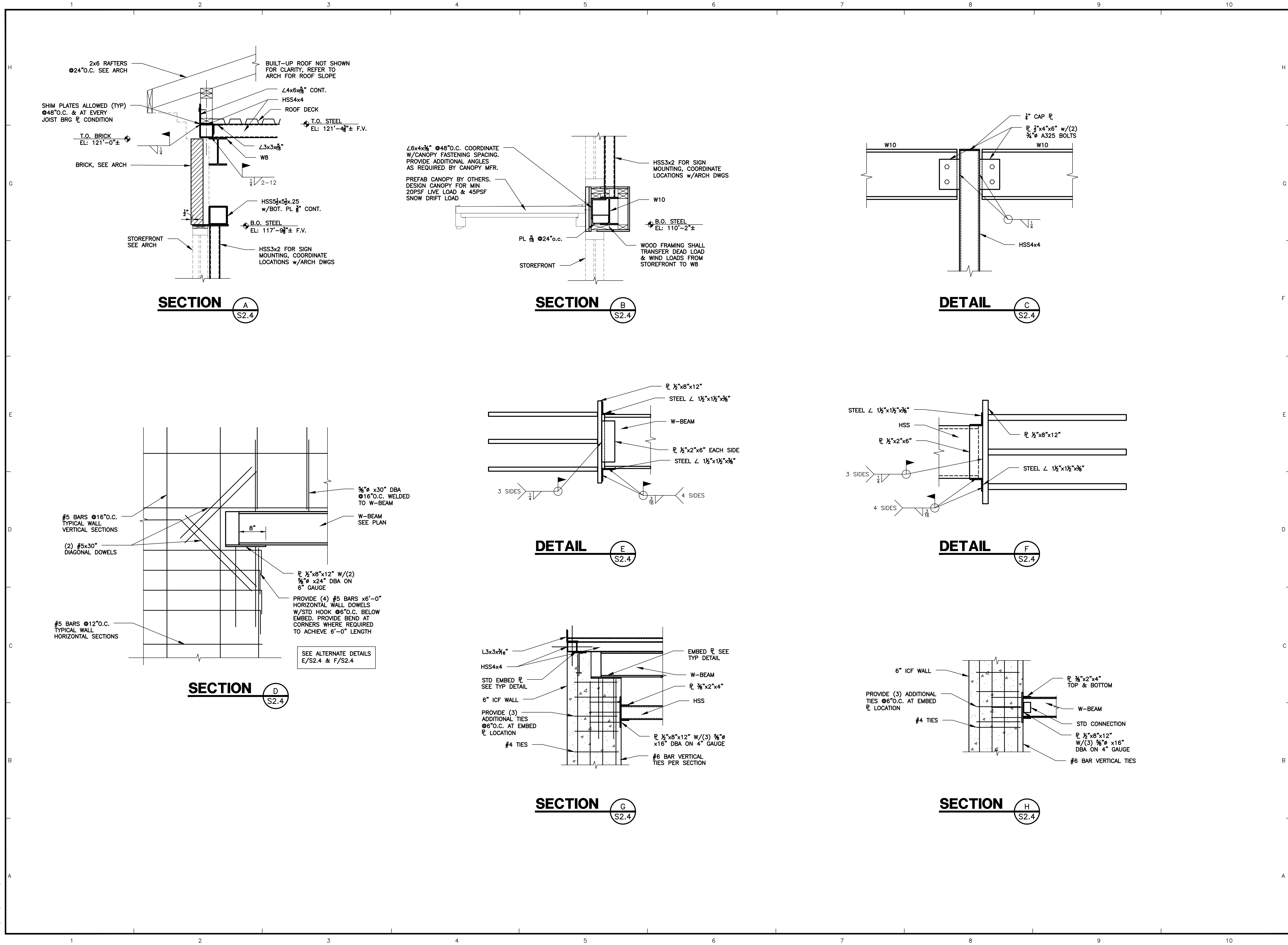
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**S2.2**





POAGE/24075/04.23.2024/HMM



**SECTION A**  
S2.4

**SECTION B**  
S2.4

**DETAIL C**  
S2.4

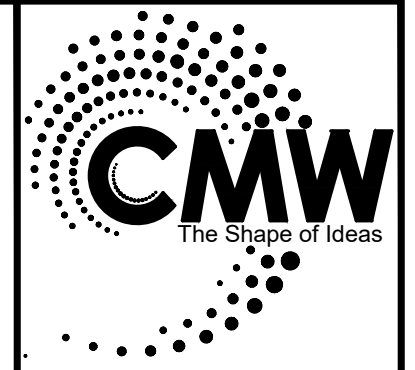
**SECTION D**  
S2.4

**DETAIL E**  
S2.4

**DETAIL F**  
S2.4

**SECTION G**  
S2.4

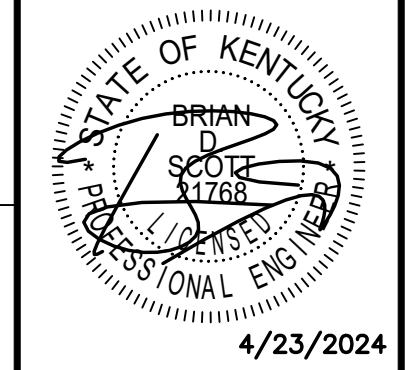
**SECTION H**  
S2.4



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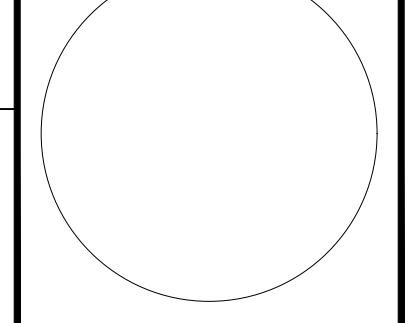


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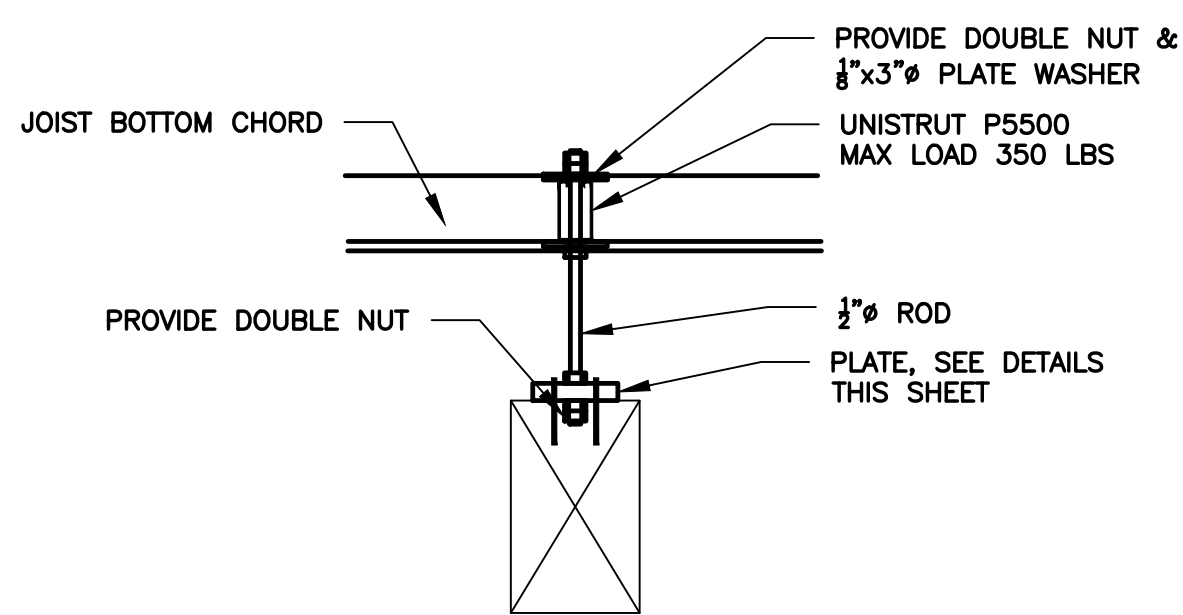
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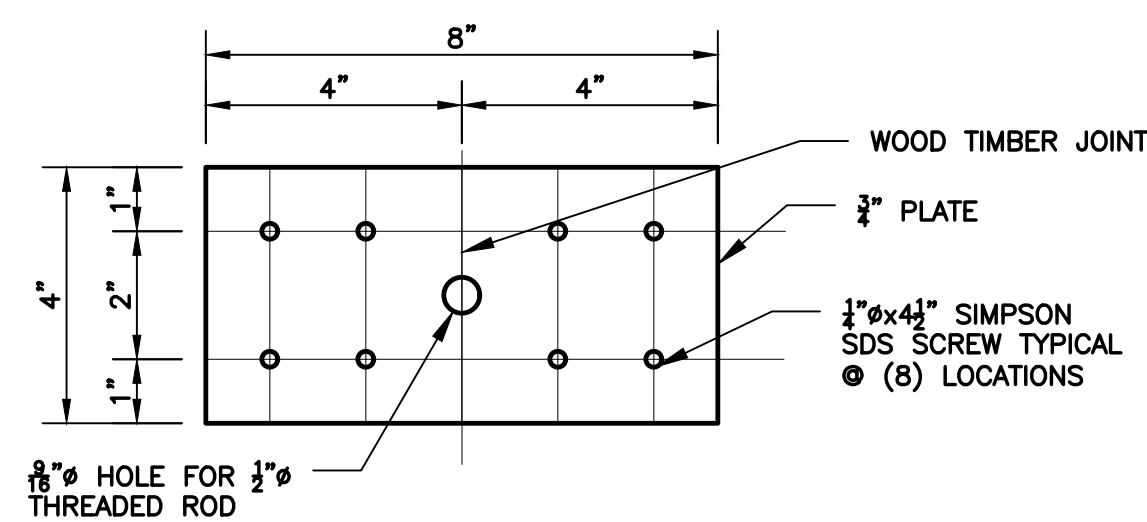
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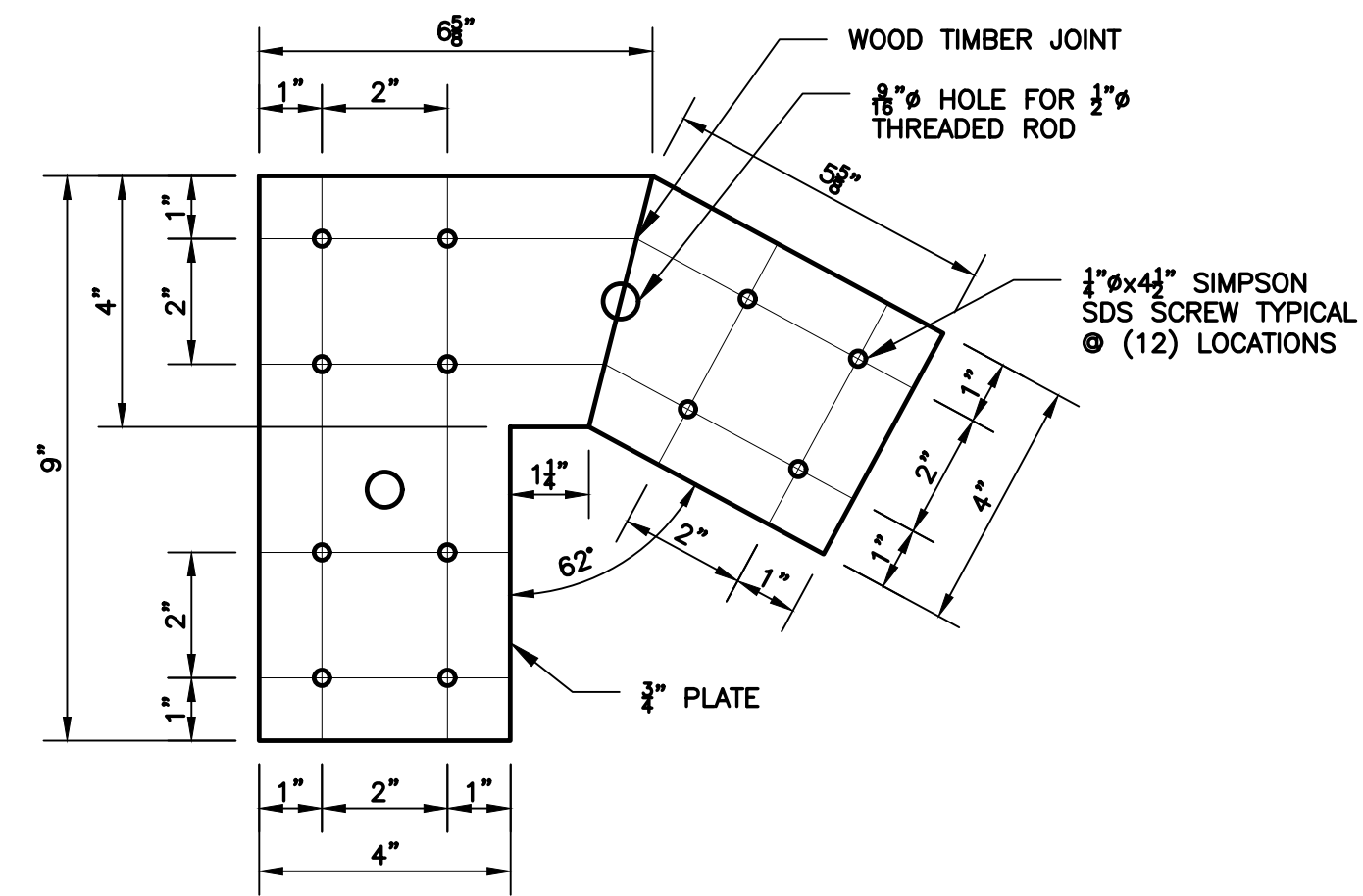
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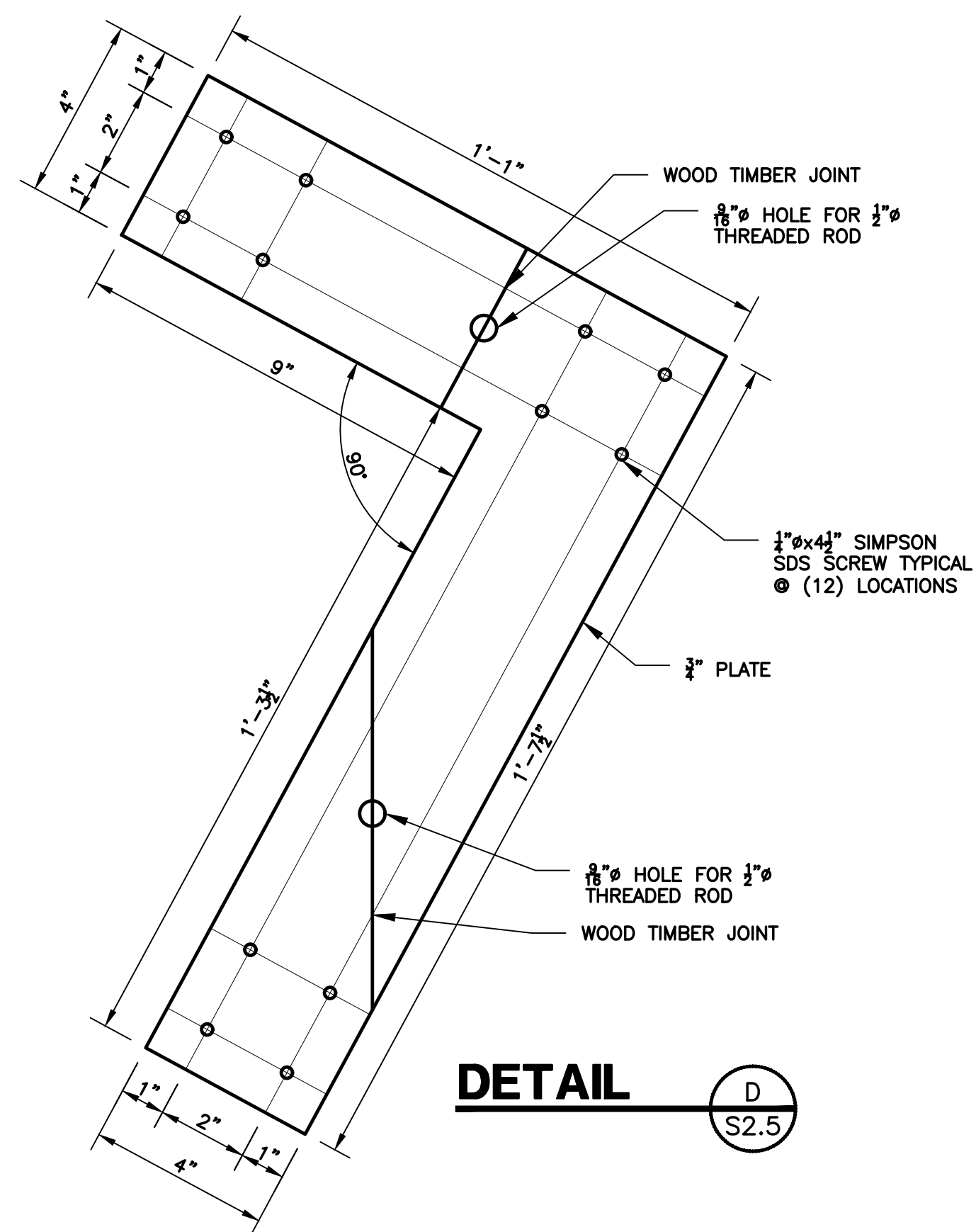
**DETAIL A**  
S2.5



**DETAIL B**  
S2.5

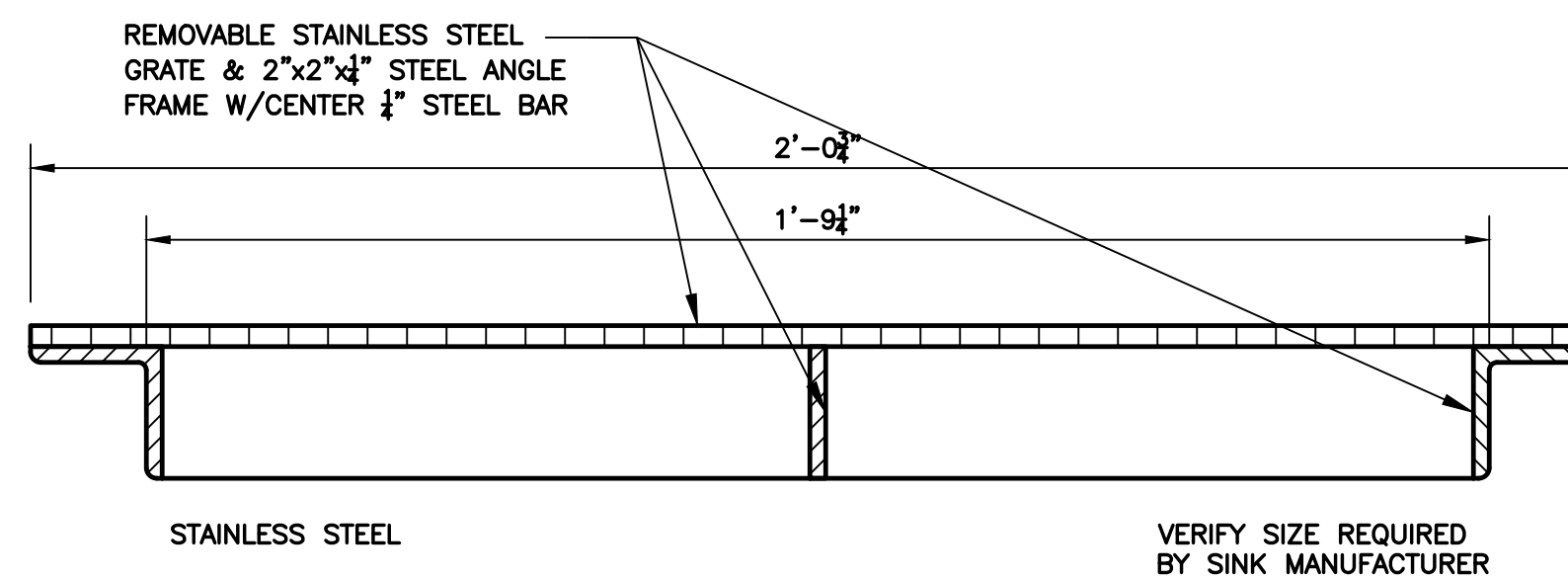


**DETAIL C**  
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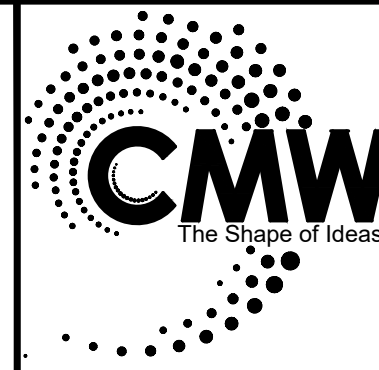


**DETAIL D**  
S2.5

**NOT USED E**  
S2.5



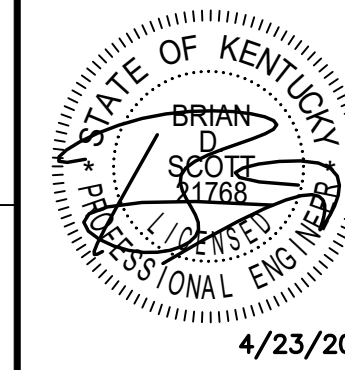
**SECTION F**  
S2.5



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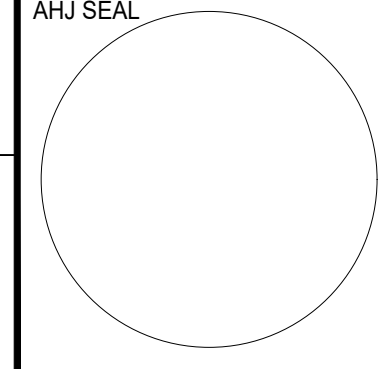


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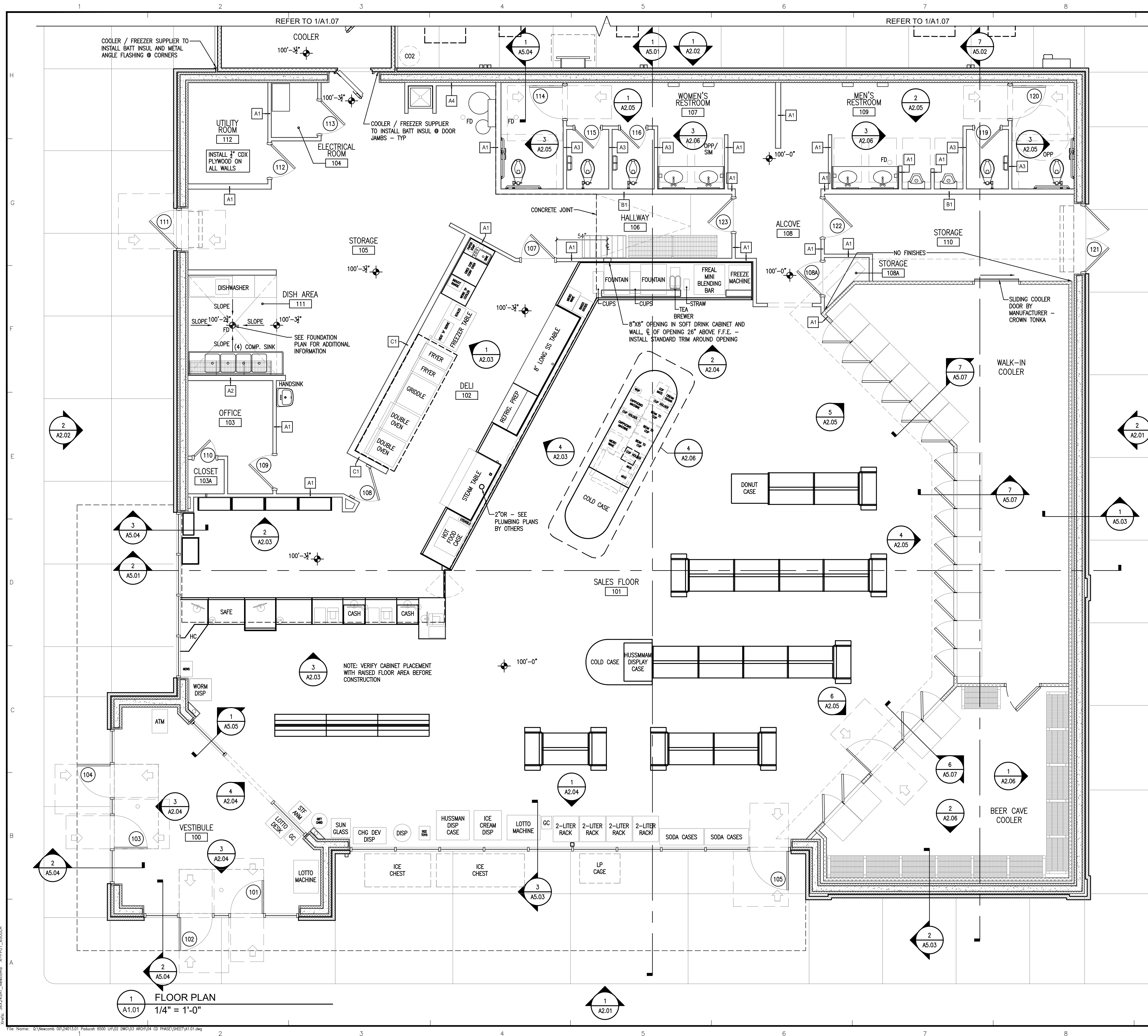
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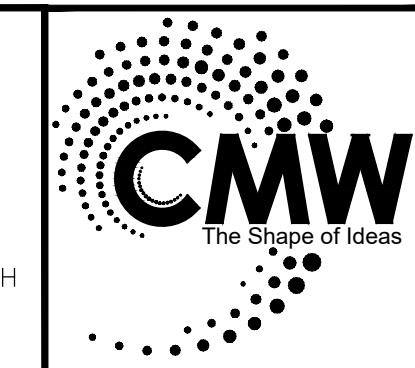
### GENERAL NOTES

- 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 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 W/DS 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 ENSURE WASTE BRICK AND MORTAR MATERIAL HAS NOT BEEN BURIED IN THE FOOTING TRENCHES AND THAT WASTE BRICK AND MORTAR MATERIAL HAS BEEN COLLECTED AND REMOVED FROM THE SITE.
- Q. ONLY USE "SURE KLEAN VANA-TROL" 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.

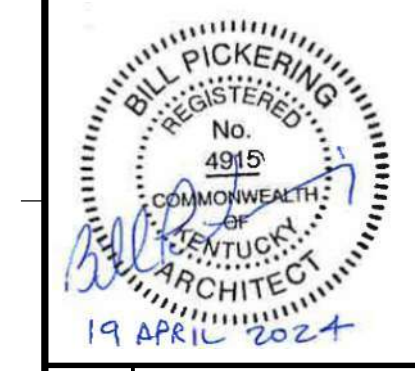
### WALL / PARTITION LEGEND

PLAN LEGEND	DESCRIPTION
[Symbol]	2X4 WOOD STUD WALL UNLESS NOTED OTHERWISE
[Symbol]	REFER TO DETAIL 2/A3.03 FOR DETAILS OF PARTITION TYPES A1, A2, A3, A4, A4.1, A5, B1, C1
[Symbol]	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.



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**FLOOR PLAN**  
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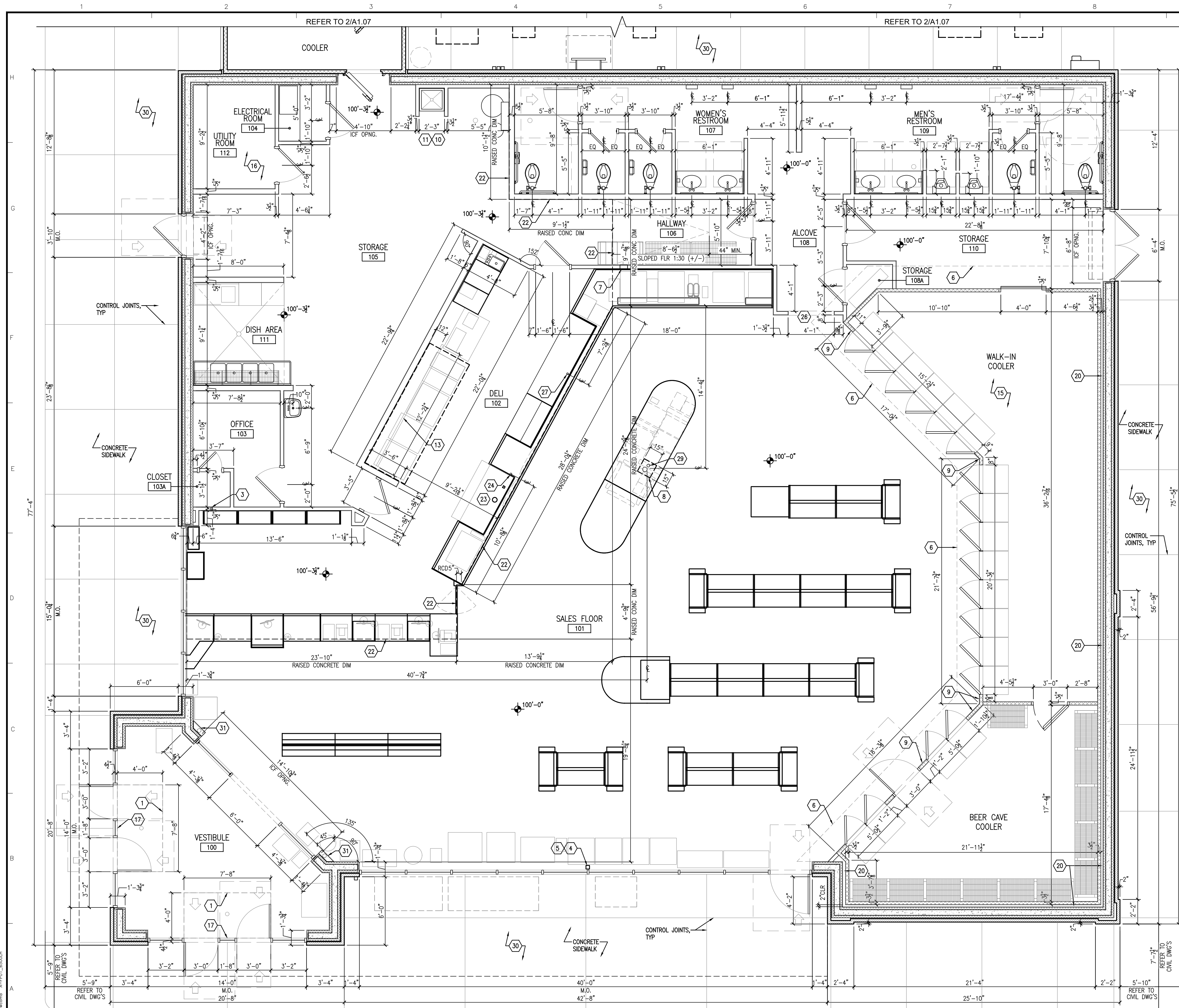
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**24013.01**

**A1.01**

Xrefs: 20240419\_Rev0001 - A-1011\_20240419

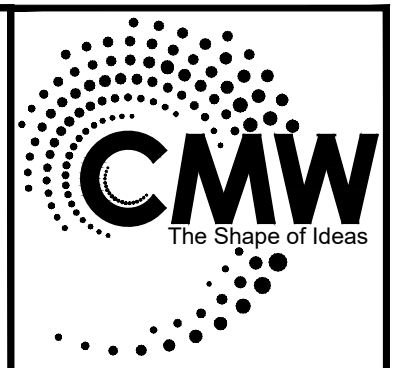


### GENERAL NOTES

- A. REFER TO SHEET A1.01 'GENERAL NOTES'
- B. SEE CIVIL DRAWINGS FOR BOLLARD LOCATIONS AROUND THE BUILDING. SEE DETAIL 02/A5.02 FOR BOLLARD DETAIL.
- C. REVIEW CIVIL DRAWINGS BEFORE FORMING OUTSIDE SIDEWALKS --AND REVIEW SITE FOR CANOPY SIZE

### SHEET KEYNOTES

1. MGNICHOLS QUALITY DURAGRID PULTRUDED FIBERGLASS GRATING (PART NO. F112106542) W/ MGNICHOLS QUALITY FIBERGLASS EMBEDMENT ANGLE (PART NO. F1FE111520).
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 - SEE SECTION 7/A5.02
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 BOARD INSTALLED ON FACE OF COOLERS --REFER TO INTERIOR ELEVATIONS FOR WALL FINISH -- REFER TO PARTITION DETAILS A2 AND A2.1/A3.03 FOR PARTITION AND CONTINUATION OF WALL FINISH ABOVE COOLERS.
10. MOP SINK RECESSED IN CONCRETE FLOOR SLAB WITH GRATE AND ANGLE FRAME -- GRATE TOP AT FINISH FLOOR --WALLS ON (3) THREE SIDES OF MOP SINK SHALL BE CONCRETE UP TO 2'-0" AFF --REFER TO DETAILS 2/A5.05 & 4/A5.05 --REFER TO DETAIL G/S2.1 FOR GRATE AND ANGLE FRAME -- REFER TO PLUMBING FOR MOP SINK.
11. INSTALL MARLITE ON ALL WALLS AROUND AND ABOVE MOP SINK UP TO 10'-0" -- MARLITE EXTENDS TO LIMITS INDICATED IN FINISH FLOOR PLAN 1/A1.04.
12. INSTALL MARLITE UP TO 10'-0", EXTEND MARLITE 8'-0" ALONG WALL AND AROUND END OF WING WALL.
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 FIRE-RATED PLYWOOD ON ALL WALLS.
17. REMOVABLE CENTER GLASS AND ALUM. FRAMES THIS DOOR ONLY.
18. SEE CIVIL DRAWINGS FOR BOLLARD LOCATION. SEE DETAIL 02/A5.02 FOR BOLLARD DETAIL.
19. ALIGN BOLLARDS WITH L.P. CAGE -- REFER TO 02/A5.02 FOR ALIGNMENT. SET BOLLARDS 1" AWAY FROM SIDEWALK.
20. 2" MIN. 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 F1.0 FOR DIMENSION LAYOUT OF WHERE SLAB RAISED.
23. POWER SUPPLY -- VERIFY W/ ELECTRICAL PLANS
24. COLD WATER SUPPLY -- VERIFY W/ PLUMBING PLANS
25. OPEN DRAIN
26. CASE OPENING WITH TILE, USE SCHLUTER TILE EDGE
27. FOUNTAIN DRAIN (OR) -- SEE PLUMBING PLANS
28. 2" SLEEVE 9'-0" A.F.F., 2'-0" OFF OF WALL.
29. SPARE 3" CONDUIT TO ELECTRIC ROOM
30. REVIEW CIVIL DRAWINGS BEFORE FORMING OUTSIDE SIDEWALKS, & REVIEW SITE FOR CANOPY SIZE.
31. PROVIDE 6" WOOD STUD FURRED-OUT WALL W/ 1/2" GYPSUM BOARD -- COORDINATE W/ PLUMBING VENT INSTALLATION REQUIREMENTS.



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**DIMENSIONED FLOOR PLAN**  
FiveStar #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
2310 LONE OAK RD.  
PADUCAH, KY 42003

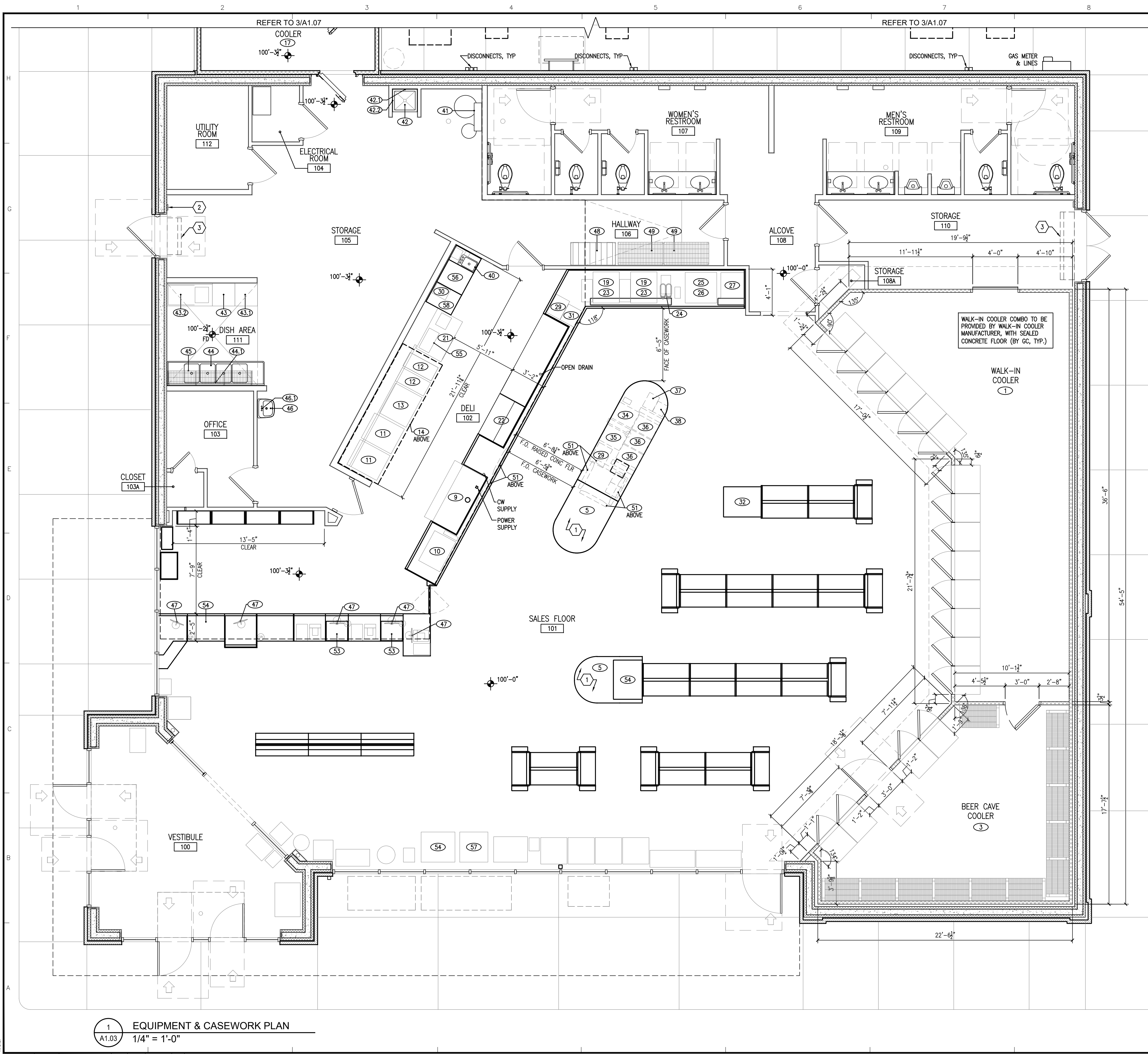
**CONSTRUCTION DOCUMENTS**

Issue Date:	April 19, 2024
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Checked By:	BP
Revisions:	
Mark	Date
AHJ SEAL	

Project Number  
**24013.01**

**A1.02**

File Name: D:\Newcomb Oil\24013.01 Paducah 6500 LH\02 DIM'D ARCH\04 CD PHASE\SHEET\A1.02.dwg



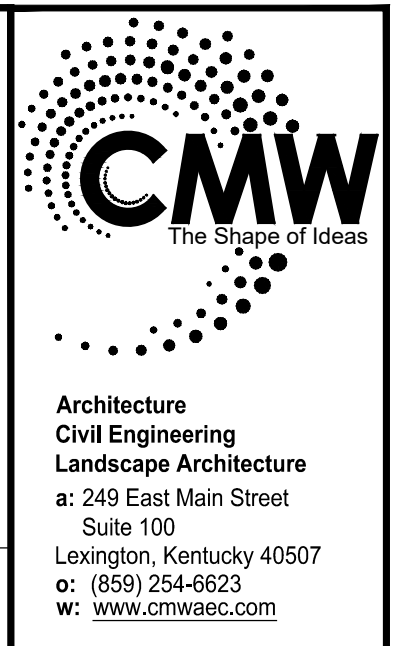
### GENERAL NOTES

- A. REFER TO SHEET A1.01 'GENERAL NOTES'
- ### SHEET KEYNOTES
- COLD CASE EQUIPMENT REQUIRES CONDUITS AND DRAIN - VERIFY W/ PLUMBING PLANS
  - '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	OFOI	OF	CF	CFI
1	1	WALK-IN COOLER						
2	1	OUTDOOR CONDENSING UNIT						
3	1	BEER CAVE WALK-IN COOLER						
4	1	OUTDOOR CONDENSING UNIT						
5	1	MULTIDECK ISLAND MERCHANDISER	HUSSMAN	IM-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	2	CONVECTION OVEN W/ HOLDING CABINET	MOFFAT	TURBOFAN G320S W/ P8M PROOFER HOLDER				
12	2	FLOOR MODEL GAS FRYER	PITCO	SOLSTICE 5914				
13	1	GRIDDLE	STAR	824TSA				
13.1	1	SS BASE CABINET W/ ROLLERS						
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	3	OUTDOO REMOTE CONDENSER						
21	1	WORKTOP SOLID DOOR FREEZER	TRUE	TWT-48F-HC				
22	1	FOOD PREP TABLE	TRUE	TBSU-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	IMIX-SS+				
35	1	CAPPUCCINO MACHINE	BUNN	IMIX-SS+				
36	3	BEAN TO CUP - COFFEE	BUNN	FAST CUP				
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	PENTAR	EV9437-10 HIGH FLOW CSR QUAD-MC SYSTEM				
42	1	MOP SINK, RECESSED						
42.1	1	FAUCET						
42.2	1	MOP HANGER						
43	1	DISHWASHER						
43.1	1	SIDE TABLE						
43.2	1	RINSE TABLE - INTERGAL SINK W/ DISPOSAL						
44	1	4-COMPARTMENT SINK	JOHN BOOS	3B184-2D18-16GA				
44.1	1	FAUCET (WALL MOUNTED WITH 12" SWING)						
45	1	WALL MOUNTED SHELVING (14"X36")	EAGLE - METAL MASTERS	GWB1436VG				
46	1	HAND SINK - WALL HUNG	MANFIELD GRAND ISLE	2018 HBNS VITREOUS CHINA				
46.1	1	FAUCET	AMERICAN STANDARD	RELIANT3 - 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	6	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-UA				
57	1	ICE CREAM CASE	DREYER	1 DOOR UPRIGHT				
58	1	WORKTOP COOLER	TRUE	TWT-27-HC				

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



**EQUIPMENT & CASEWORK PLAN**  
FiveStar #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
2310 LONE OAK RD.  
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**CONSTRUCTION DOCUMENTS**

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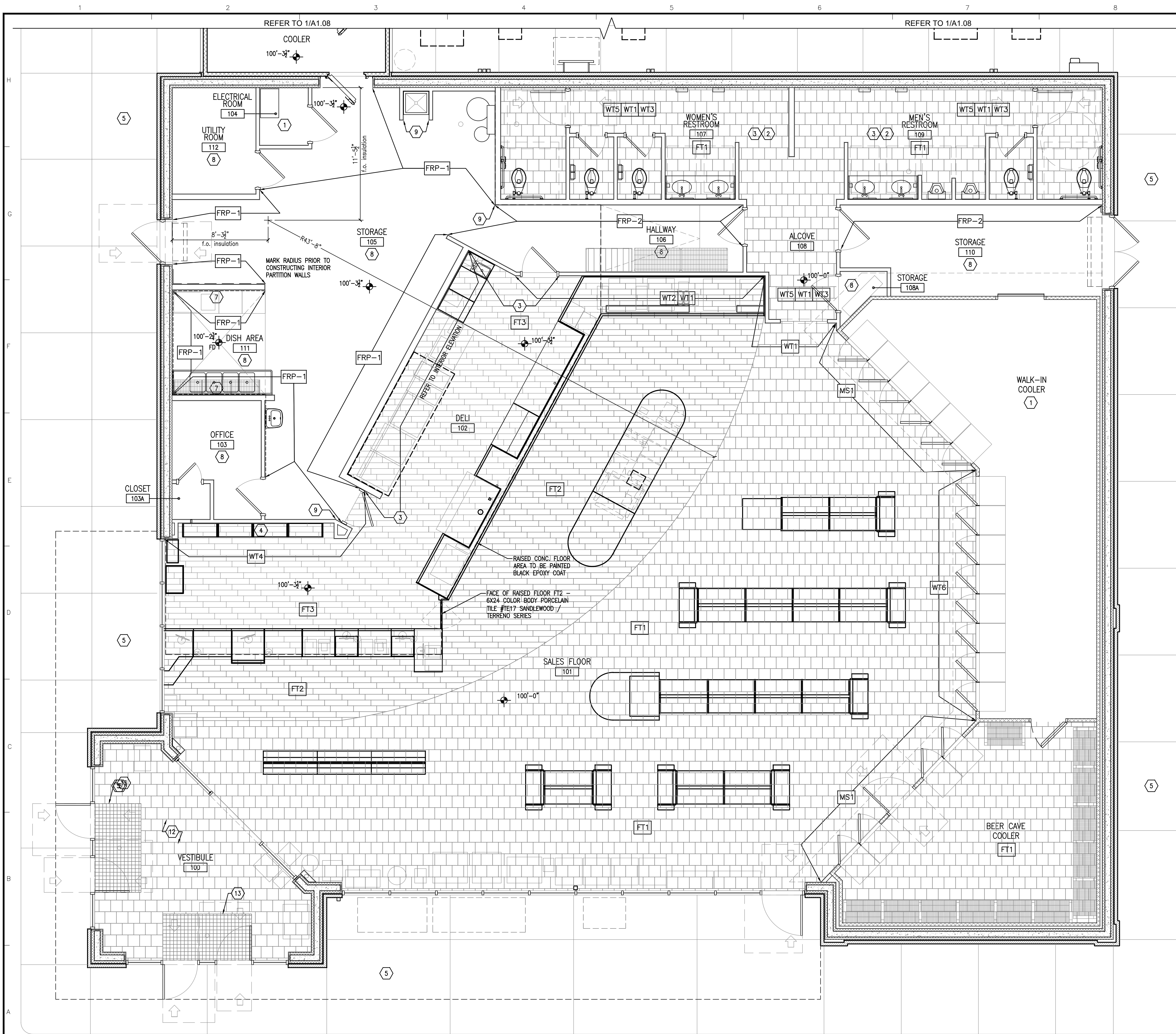
Revisions:


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Project Number  
**24013.01**

**A1.03**



**GENERAL NOTES**

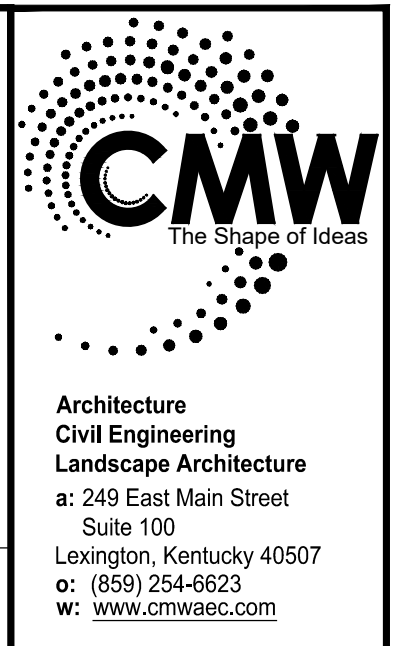
- A. REFER TO SHEET A1.01 'GENERAL NOTES'
- B. REFER TO A3.04 FOR INTERIOR FINISH SCHEDULE

**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 HD 200WB" TO ALL EXTERIOR SIDEWALKS, EQUIPMENT PADS AND DUMPSTER PADS.
6. NOT USED
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
10. FACE OF 3/4" RAISED CONCRETE SLAB WITH TILE WT5
11. PAINT WALL ABOVE MARRILITE -COLOR PER INTERIOR FINISH SCHEDULE -SEE A3.04 FOR MORE INFORMATION
12. ALL WALLS IN VESTIBULE WITH PAINT FINISH FT3
13. REFER TO KEYED NOTE 1/A1.02 FOR WALK-OFF GRATING AT DOOR
14. 5'-0"(H) STAINLESS STEEL PANELS W/ 5'-0"(H) FRP ABOVE.

**FLOOR FINISH SCHEDULE**

- T-CODES = TILES USED ON FLOORS. WALL TILES MAY BE FOUND ON INTERIOR ELEVATIONS
- EF1: EPOXY FLOOR
- FT3: 6X6 PAVER 0096 CHARCOAL STD 0096661P W/ POLY BLEND PLUS LIGHT SMOKE GROUT
- 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 / #H03 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 #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
2310 LONE OAK RD.  
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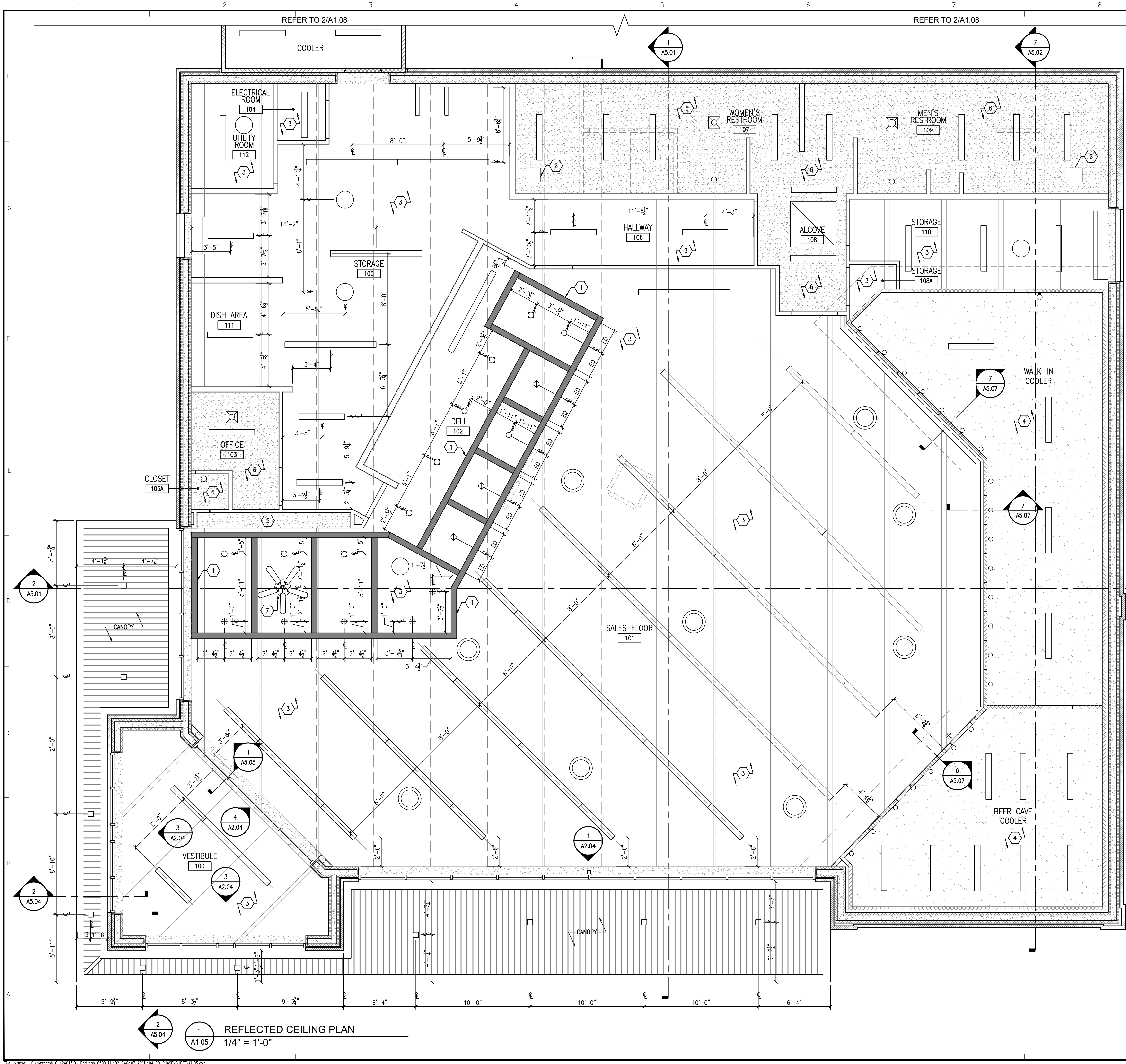
Project Number  
**24013.01**

**A1.04**

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

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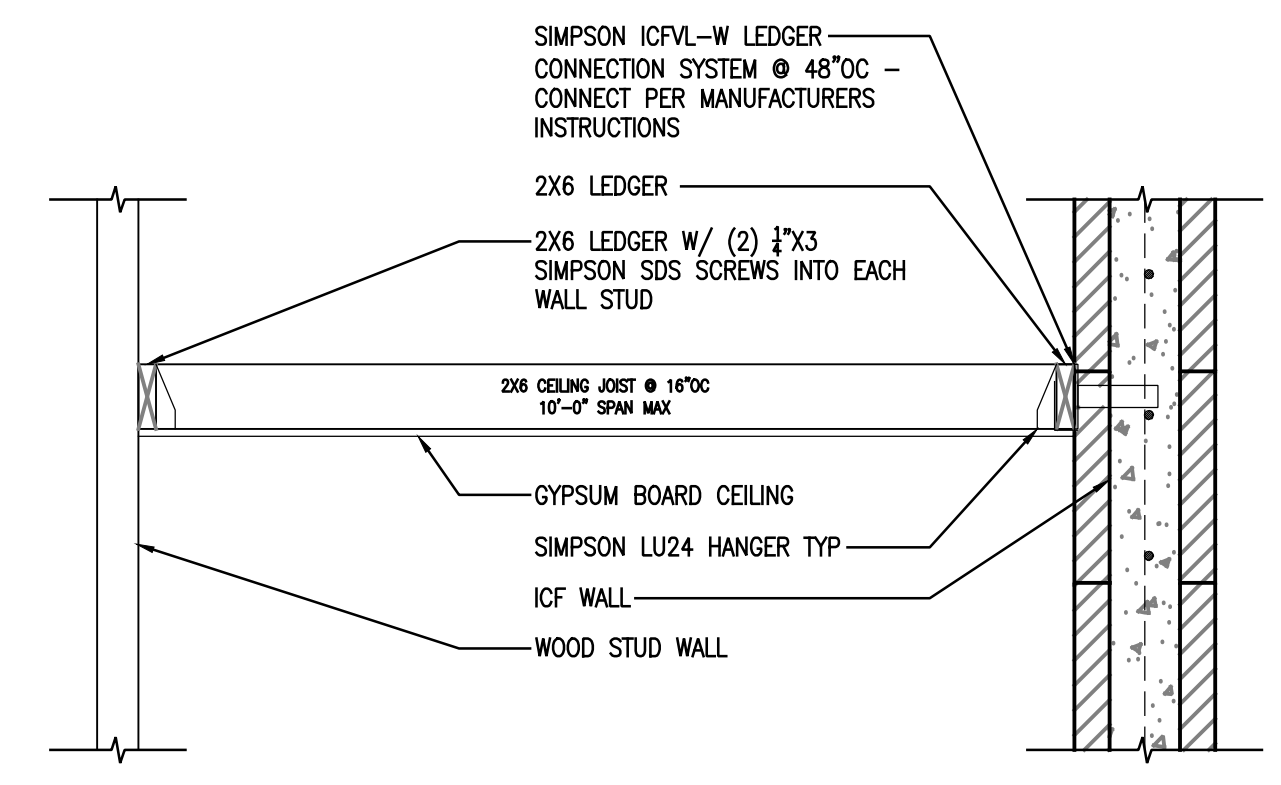


### GENERAL NOTES

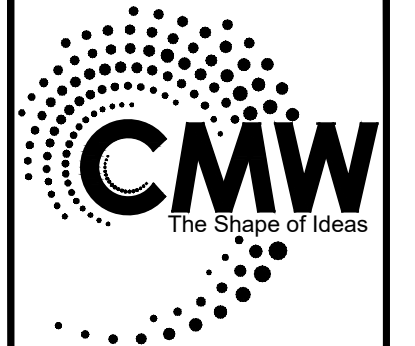
- A. REFER TO SHEET A1.01 'GENERAL NOTES'
- B. REFER TO A3.04 FOR INTERIOR FINISH SCHEDULE

### 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. GYPSUM BOARD CEILING @ 10'-0" A.F.F.
6. GYPSUM BOARD CEILING @ 9'-6" A.F.F.
7. CEILING FAN IN CASHIER AREA.



2  
A1.05 GYPSUM BOARD CEILING FRAMING  
3/4" = 1'-0"



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**REFLECTED CEILING PLAN**  
FiveStar #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
2310 LONE OAK RD.  
PADUCAH, KY 42003

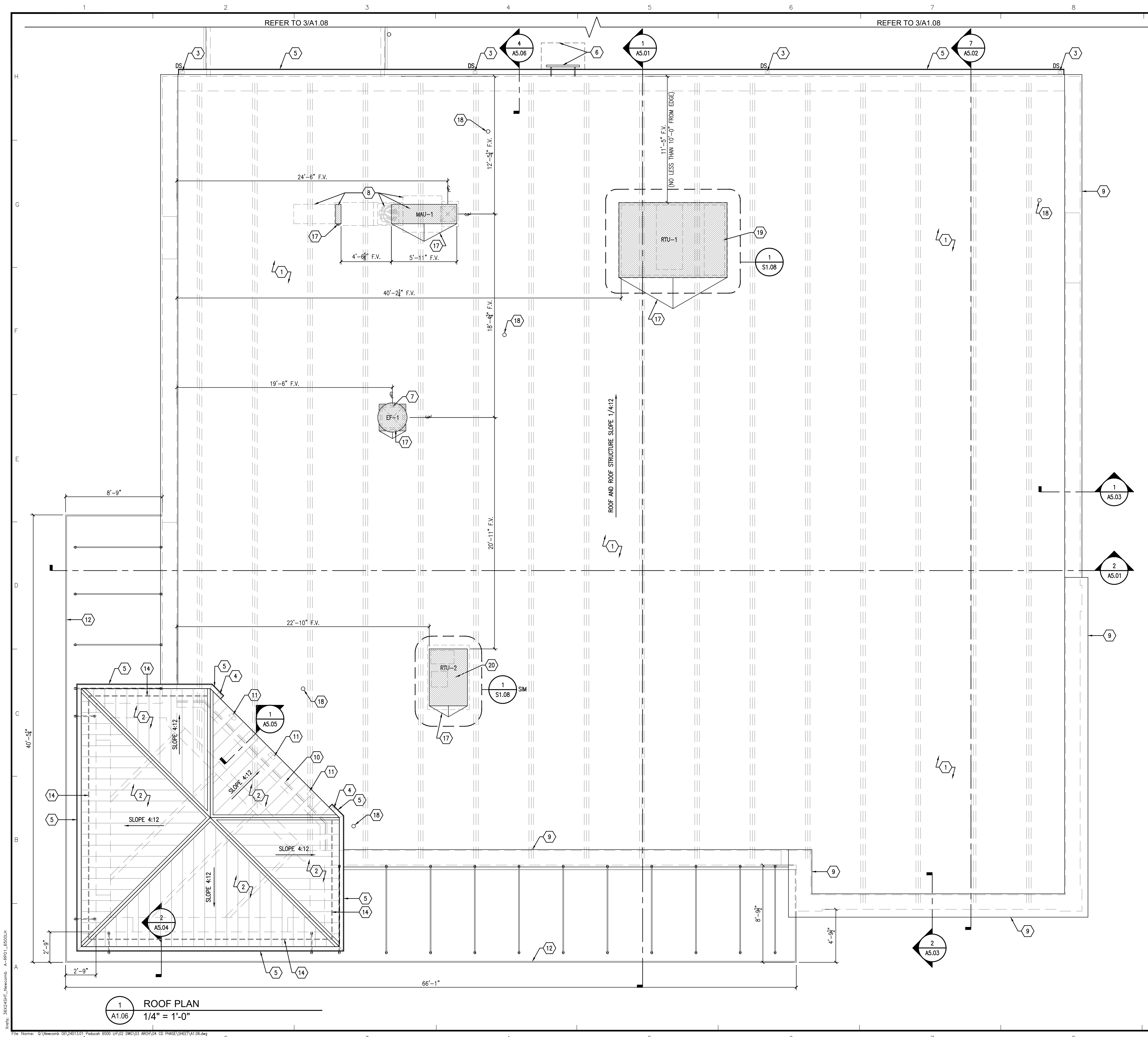
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**A1.05**



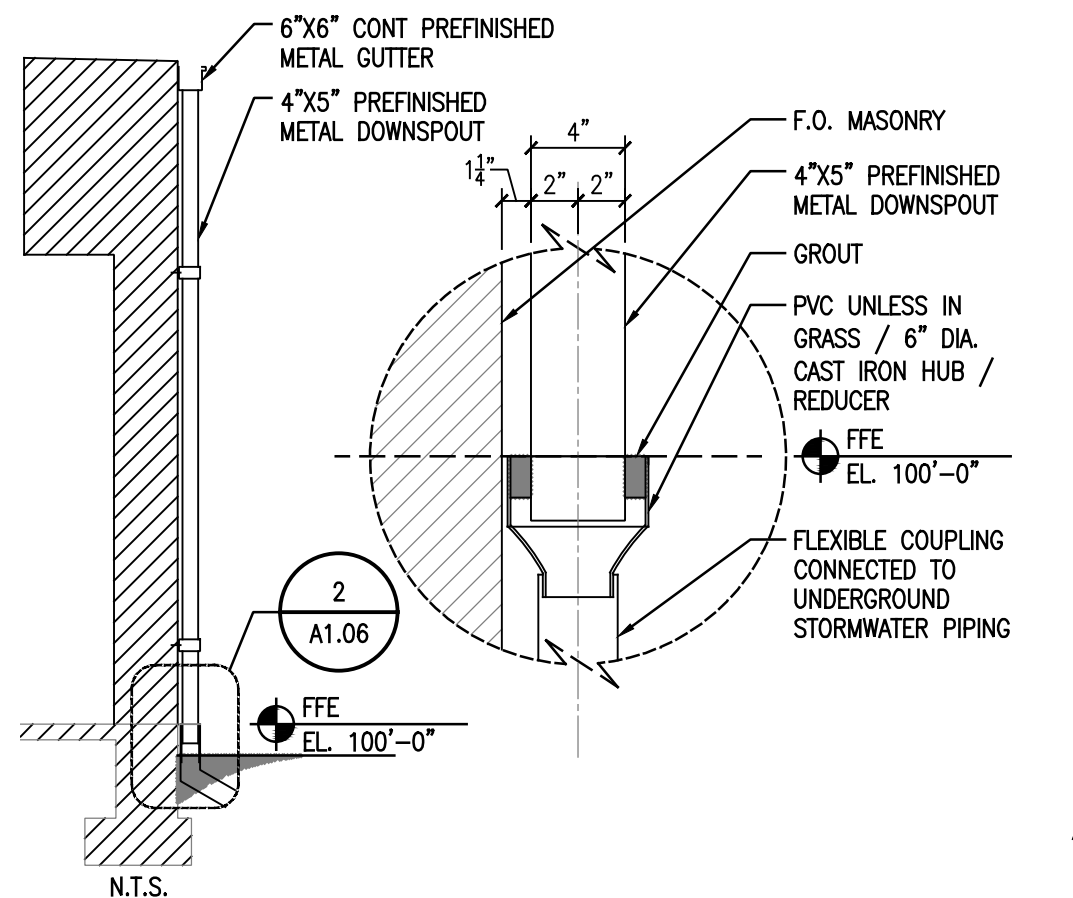


### GENERAL NOTES

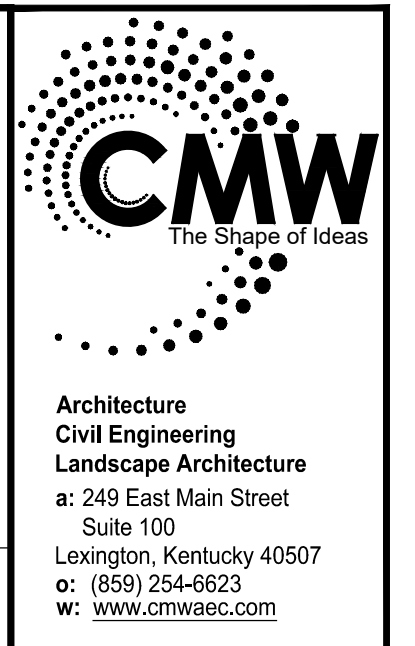
- A. REFER TO SHEET A1.01 "GENERAL NOTES"
- B. ROOF DESIGN MINIMUM R-VALUE=30. PROVIDE ROOF INSULATION TO MEET MINIMUM DESIGN R-VALUE. ROOF INSULATION INSTALLED IN TWO LAYERS WITH BOARD JOINTS STAGGERED BETWEEN LAYERS
- C. REFER TO M/P/E DRAWINGS FOR ADDITIONAL NOTES FOR M/P/E ROOF WORK.
- D. COORDINATE MECHANICAL EQUIPMENT LOCATIONS INCLUDING CURBS AND OPENINGS IN ROOF DECK WITH MECHANICAL 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 DAMNING 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, FIT 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/AS.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, 3/4"(T) SHEATHING, AND PREFINISHED METAL PANEL VENEER -SEE WALL SECTION DETAIL 1-AS.05 FOR ADDITIONAL INFORMATION
11. 4"x8" RECTANGULAR SOFFIT VENT -CONFIRM QUANTITY WITH AHJ VENTILATION REQUIREMENTS
12. METAL CANOPY W/ INTEGRAL GUTTER -REFER TO EXT ELEVATIONS FOR DOWNSPOUT LOCATIONS
13. NOT USED
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. NOT USED
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. 15 TON RTU-1 (2,600 LBS) -REFER TO MECHANICAL DRAWINGS -PROVIDE 117-1/4" X 81" 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. 5 TON RTU-2 (800 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



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



**ROOF PLAN**  
FiveStar #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
2310 LONE OAK RD.  
PADUCAH, KY 42003

#### CONSTRUCTION DOCUMENTS

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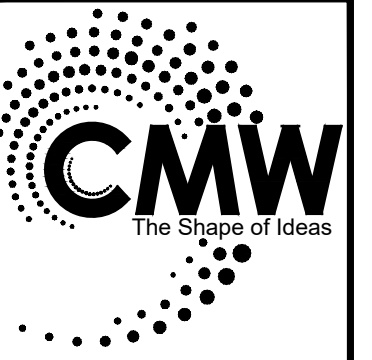
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### GENERAL NOTES

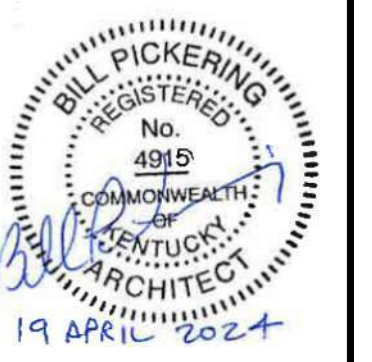
- A. REFER TO SHEET A1.01 'GENERAL NOTES'
- B. REFER TO SHEET A1.01 'WALL/PARTITION LEGEND'
- C. REFER TO SHEET A1.03 'EQUIPMENT SCHEDULE'
- D. SEE CIVIL DRAWINGS FOR BOLLARD LOCATIONS AROUND THE BUILDING. SEE DETAIL 02/A5.02 FOR BOLLARD DETAIL.
- E. REVIEW CIVIL DRAWINGS BEFORE FORMING OUTSIDE SIDEWALKS --AND REVIEW SITE FOR CANOPY SIZE

### SHEET KEYNOTES

- 1. REVIEW CIVIL DRAWINGS BEFORE FORMING OUTSIDE SIDEWALKS, & REVIEW SITE FOR CANOPY SIZE.



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**NORTH WALL COOLER / FREEZER PLANS**  
 FiveStar #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
 2310 LONE OAK RD.  
 PADUCAH, KY 42003

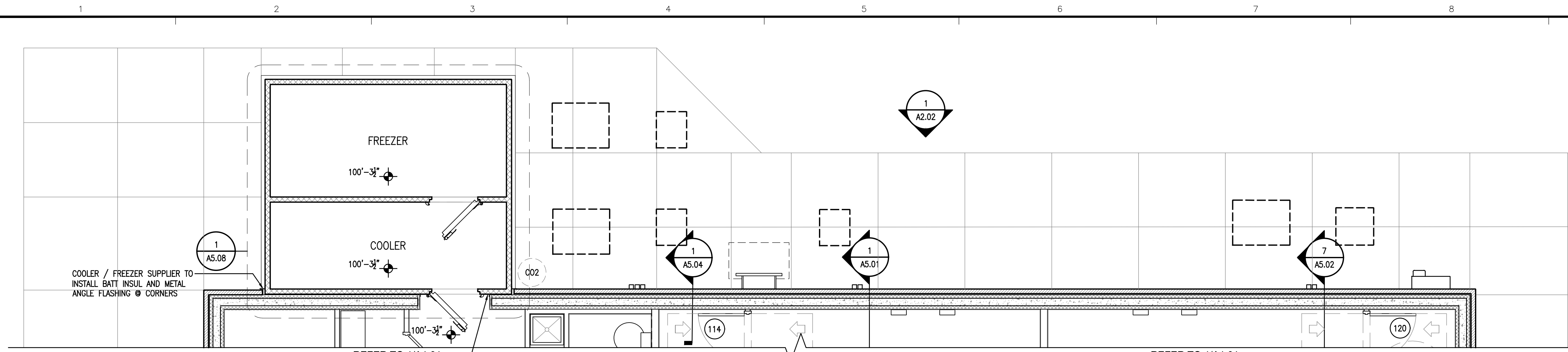
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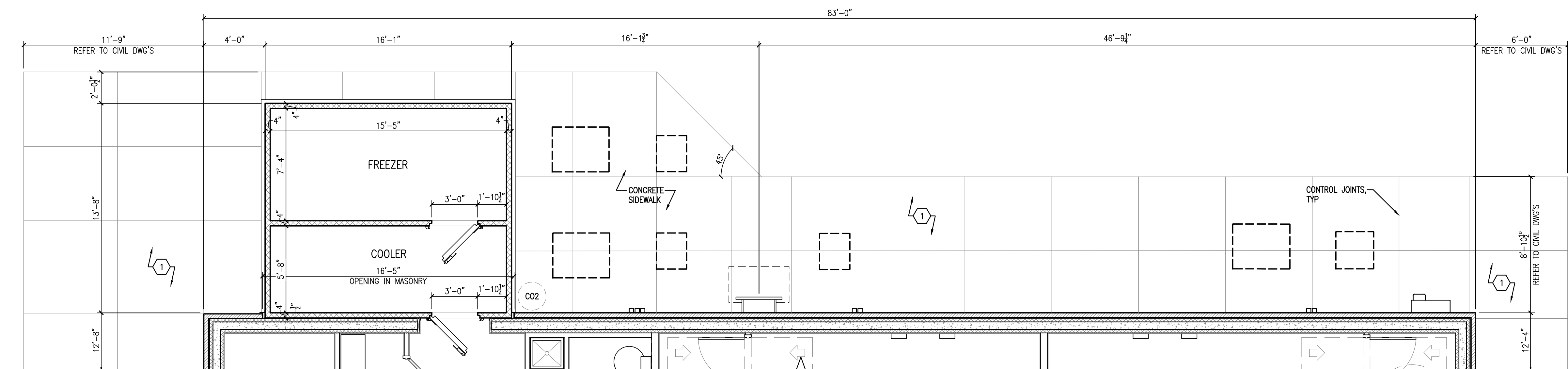
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**24013.01**

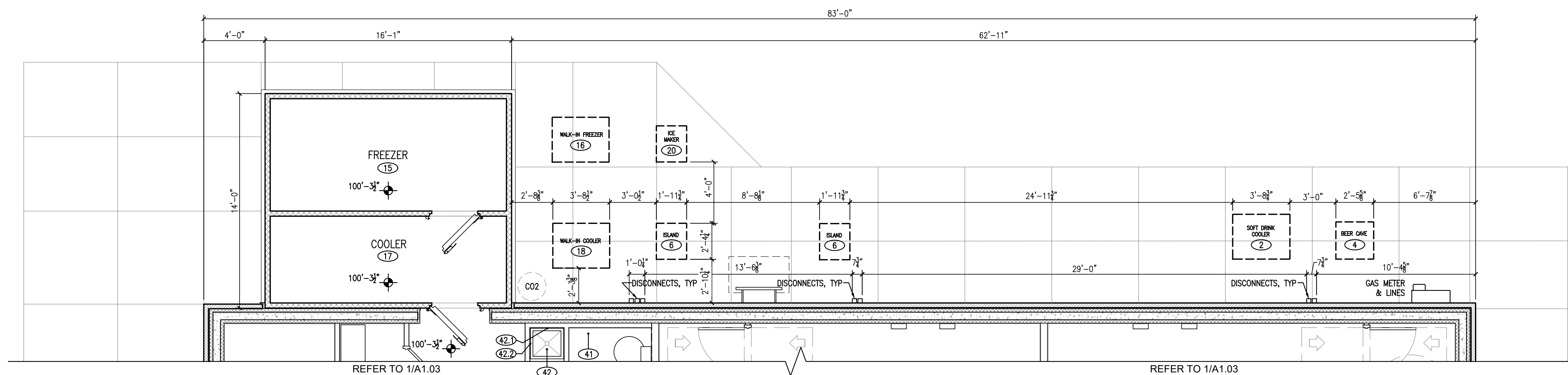
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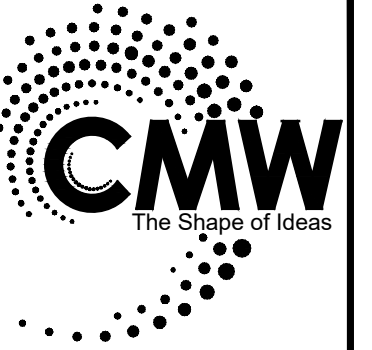
1  
A1.07  
FLOOR PLAN  
1/4" = 1'-0"



2  
A1.07  
DIMENSIONED FLOOR PLAN  
1/4" = 1'-0"



3  
A1.07  
EQUIPMENT AND CASEWORK PLAN  
1/4" = 1'-0"



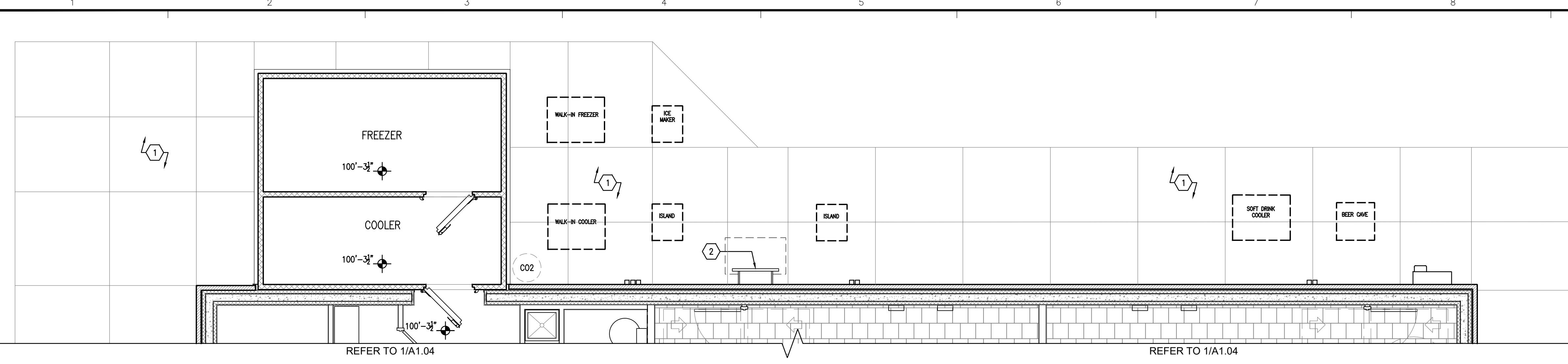
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### GENERAL NOTES

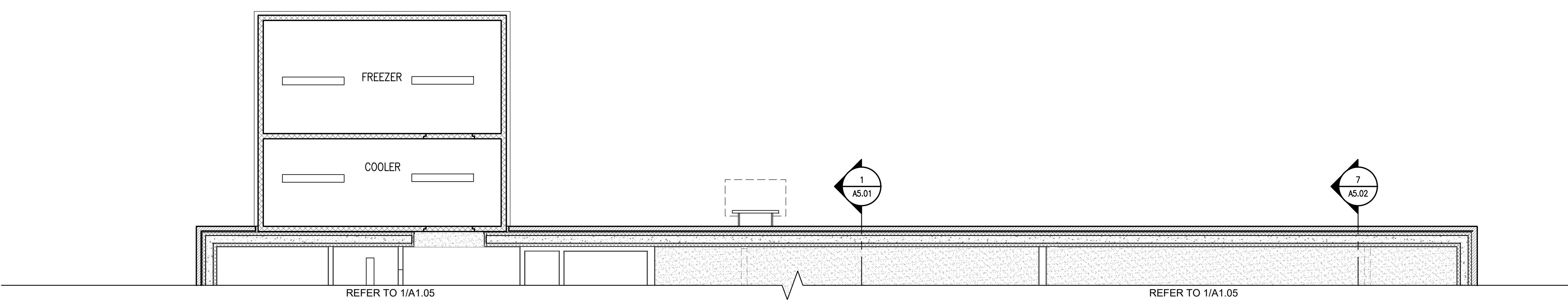
- A. REFER TO SHEET A1.06 'GENERAL NOTES'
- B. REFER TO A3.04 FOR 'INTERIOR FINISH SCHEDULE'

### SHEET KEYNOTES

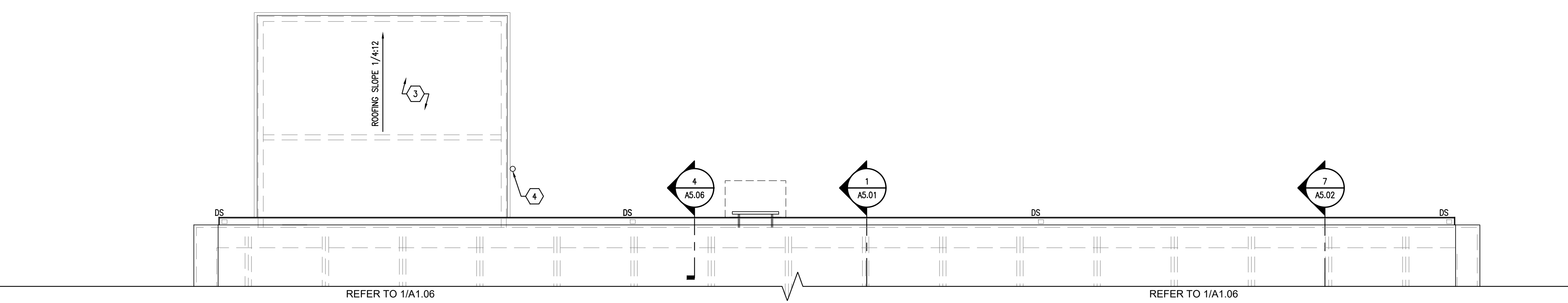
1. APPLY "MASTERKURE ND 200WB" TO ALL EXTERIOR SIDEWALKS, EQUIPMENT PADS AND DUMPSTER PADS.
2. PAINT ROOF LADDER.
3. SINGLE PLY MEMBRANE ROOF SYSTEM WITH COVER BOARD OVER TAPERED AND UNIFORM THICKNESS INSULATION INSTALLED OVER COOLER/FREEZER ASSEMBLY -TAPERED INSULATION SLOPED AT MINIMUM 1/4:12 -ROOFING MEMBRANE EXTENDED UP BRICK VENEER AND FINISHED WITH SEALED TERMINATION BAR -REFER TO DETAILS 2 & 4/A5.08
4. VENT PIPE FROM UNDER-SLAB DRAINAGE PIPING UNDER COOLER/FREEZER ASSEMBLY -REFER TO ENLARGED PLAN 1/A5.08



1 FINISH PLAN  
A1.08 1/4" = 1'-0"



2 REFLECTED CEILING PLAN  
A1.08 1/4" = 1'-0"



3 ROOF PLAN  
A1.08 1/4" = 1'-0"



**NORTH WALL COOLER / FREEZER PLANS**  
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**CONSTRUCTION DOCUMENTS**

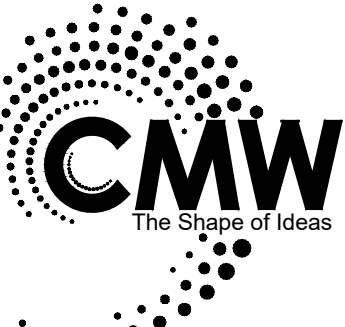
Issue Date:	April 19, 2024
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**A1.08**

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## GENERAL NOTES

- A. REFER TO SHEET A1.01 'GENERAL NOTES'
  - B. PROVIDE MATERIAL COLOR & FINISH SAMPLES FOR APPROVAL (BY OWNER)
  - C. PROVIDE LOW WEEP VENTS IN VENEER MASONRY, 24" O.C. MAX. USE 3/8" HONEYCOMB VENT
  - D. MASONRY EXPANSION JOINTS: PROVIDE SANDED SEALANT (MATCH MORTAR) W/ COMPRESSIBLE BACKER. SEALANT TO COMPLY W/ ASTM C290, CLASS 50 SPECIFICATIONS.
  - E. SIGNAGE: COORDINATE SIGN SIZE, POWER REQUIREMENTS, AND LAYOUT WITH SUPPLIER PRIOR TO INSTALLATION OF STOREFRONT.
  - F. CANOPY: REFER TO STRUCTURAL FOR REQUIRED LOADING. CANOPY & DOWNSPOUTS SHOWN FOR REFERENCE. FINAL DESIGN & DETAILING BY CANOPY SUPPLIER. SUBMIT TO OWNER FOR APPROVAL.
  - G. ALL DOWNSPOUTS TO BE SLEEVED AND ROUTED BELOW GRADE. COORDINATE WITH CIVIL FOR COLLECTION AND MANAGEMENT OF WATER ON SITE.
  - H. GUTTERS SHALL BE TESTED FOR LEAKS BY DAMMING ALL DOWNSPOUTS AND FILLING GUTTERS WITH 2" (APPROX.) OF WATER.
  - I. REFER TO FINISH SCHEDULE FOR HM DOOR AND FRAME PAINT COLORS.
  - J. BOTTOM ALUMINUM SILL SHALL MEASURE 4-13/16" INSTEAD OF 2-1/4". THIS IS TO ALLOW THE TILE ON THE RAISED FLOOR TO BUTT UP AGAINST THE SILL INSTEAD OF HAVING A TILE/GAP ISSUE.
- ALUMINUM STOREFRONT: AS MANUFACTURED BY TRULITE.  
2" X 4-1/2" THERMALLY BROKEN, DARK BRONZE ANODIZED, CENTER GLAZED INSULATED GLASS.  
1" INSULATED, SOLAR BRONZE, (HEAT STRENGTHENED) OVER "GUARDIAN SINGULAR SM-68". FULLY TEMPERED BOTH LIGHTS AS REQUIRED BY CODE.  
INSULATED PANELS:  
1" INSULATED, DARK BRONZE, "CITADEL GLAZEGUARD 1000 WR", PRE-FINISHED TEXTURED ALUMINUM SKINS .010", HIGH DENSITY POLYPROPYLENE STABILIZERS, EXPANDED POLYSTYRENE FOAM (EPS) CORE 5/8"

## SHEET KEYNOTES

1. 1"(T) INSULATED METAL PANELS WITH FLUSH GLAZING
2. 1"(T) INSULATED GLASS IN ALUMINUM FRAME WITH FLUSH GLAZING
3. 1"(T) INSULATED GLASS IN ALUMINUM FRAME WITH FLUSH GLAZING - TEMPER GLAZING IN DOORS & ADJACENT STOREFRONT PER CODE - TYP
4. REMOVABLE CENTER GLASS AND ALUMINUM FRAMES - REFER TO A-601
5. "FIVE STAR" WALL MOUNTED SIGN, PROVIDED BY OWNER (OFC) - SIGN IS INTERNALLY LIT - REFER TO ELECTRICAL
6. METAL CLAD INFILL PANEL W/ 3/4" EXT. GRADE PLYWOOD CORE FOR MOUNTING OF OWNER SUPPLIED SIGN - COORDINATE WITH SIGN SUPPLIER AND OWNER. SIGN IS INTERNALLY LIT - SEE ELECTRICAL FOR POWER REQUIREMENTS
7. CONCRETE FOOTING/FOUNDATION - REFER TO STRUCTURAL
8. MASONRY CONTROL JOINT AT OFFSET IN WALL
9. MASONRY CONTROL JOINT - ALIGN W/ SOLDIER COURSE(S). NO CUT BRICKS IN SOLDIER COURSES - TYP
10. ROWLOCK BRICK COURSE
11. SOLDIER BRICK COURSE - PROJECT 1/2" PAST ADJACENT FACE OF BRICK - TYP
12. PREFINISHED METAL DOWNSPOUT - TYP. PROVIDE SLEEVE & PIPE BELOW GRADE (REFER TO CIVIL FOR COLLECTION & ROUTING). COORDINATE SIZE AND LOCATIONS OF DOWNSPOUTS WITH CANOPY SUPPLIER.
13. HSS 3X2X1/4" BEHIND STOREFRONT SYSTEM - REFER TO SECTION
14. PREFINISHED METAL CLAD FASCIA LOCATED BEHIND CANOPY - COLOR TO MATCH STOREFRONT - REFER TO WALL SECTION
15. PREFINISHED / PREFABRICATED METAL CANOPY SYSTEM
16. PREFINISHED METAL PARAPET CAP & FASCIA
17. PREFINISHED METAL EAVE, SOFFIT & FASCIA
18. PREFINISHED METAL GUTTER
19. MASONRY CONTROL JOINT AT INSIDE CORNER
20. MASONRY CONTROL JOINT AT CHANGE IN PLANE
21. METAL CLAD FASCIA BEHIND CANOPY - COLOR TO MATCH STOREFRONT - REFER TO WALL SECTION
22. GALVANIZED HOLLOW METAL DOOR AND FRAME - PAINT
23. MASONRY CONTROL JOINT
24. WALL-MOUNTED LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS
25. 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
26. 4" DIA GAS PIPE PENETRATION - CAULK/SEAL PERIMETER
27. 8" DIA RESTROOM EXHAUST FAN PENETRATION - CAULK/SEAL PERIMETER
28. 6" DIA HOT WATER HEATER PIPE PENETRATION - CAULK/SEAL PERIMETER
29. 4" DIA PENETRATION - LOCATE BEHIND MECH EQUIPMENT (BELOW)
30. 2" DIA PENETRATION INTO ELECTRICAL ROOM

## EXTERIOR FINISH SCHEDULE

CODE	DESCRIPTION	COLOR / TYPE	MANUFACTURER NOTES
EX1	EXTERIOR BRICK	COLOR: CHARLESTON WELLINGTON TYPE: MODULAR BRICK	SIoux CITY
EX2	EXTERIOR BRICK	COLOR: WHITE PLAINS TYPE: MODULAR BRICK	SIoux CITY
EX3	METAL PARAPET CAP	COLOR: PATRIOT RED (METALLIC) TYPE: 24GA KYNAR FINISH	METAL SALES
EX4	METAL PARAPET CAP	COLOR: MYSTIC PLUS TYPE: 24GA KYNAR FINISH	METAL SALES
EX5	METAL ROOF 'TEE PANEL' STANDING SEAM ROOF	COLOR: PATRIOT RED (METALLIC) TYPE: 24GA KYNAR FINISH	METAL SALES
EX6	METAL ROOF	COLOR: PATRIOT RED (METALLIC)	TENNESSEE VALLEY METALS
EX7	DECKING & D.S.(GRAY)	COLOR: MYSTIC PLUS	GALVANIZED
EX8	ALUMINUM STOREFRONT	SEE A2.01 GENERAL NOTES 9	
EX9	SOFFIT PANEL	COLOR: GR50-KYNAR LINEN WHITE TYPE: V-GROOVE 12 (28GA)	METAL SALES
	GLAZING	SEE A2.01 GENERAL NOTES	
	INSULATED METAL PANEL	SEE A2.01 GENERAL NOTES	



EXTERIOR ELEVATIONS  
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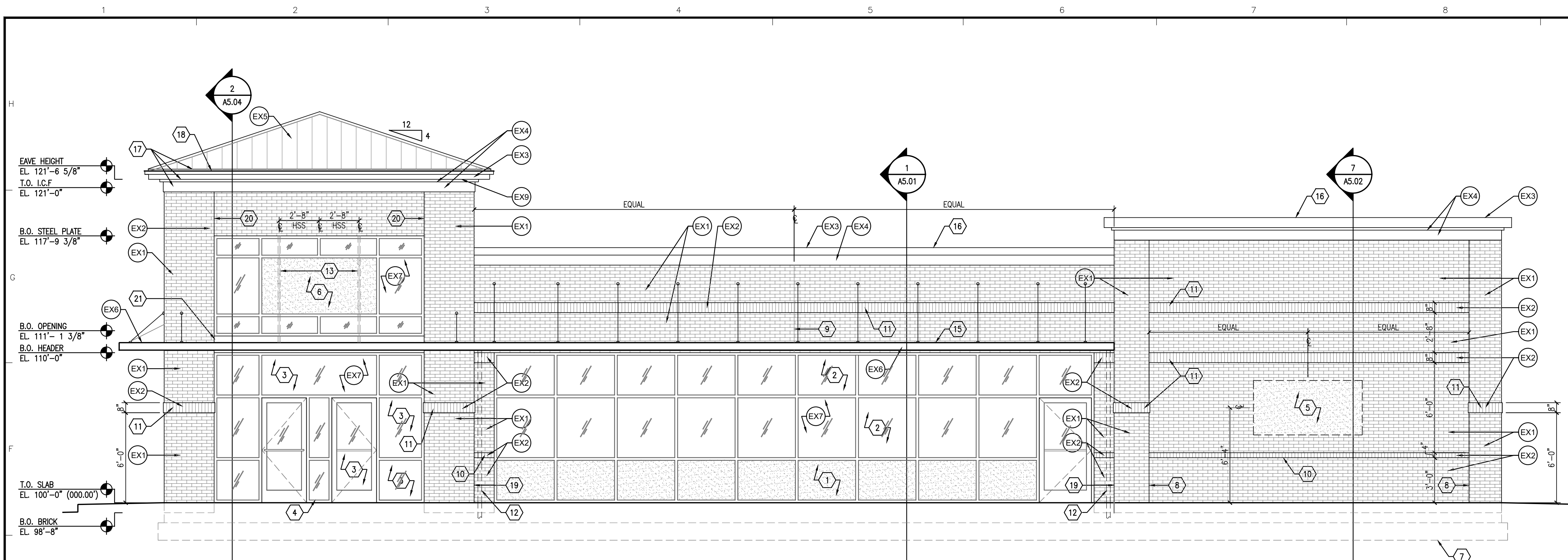
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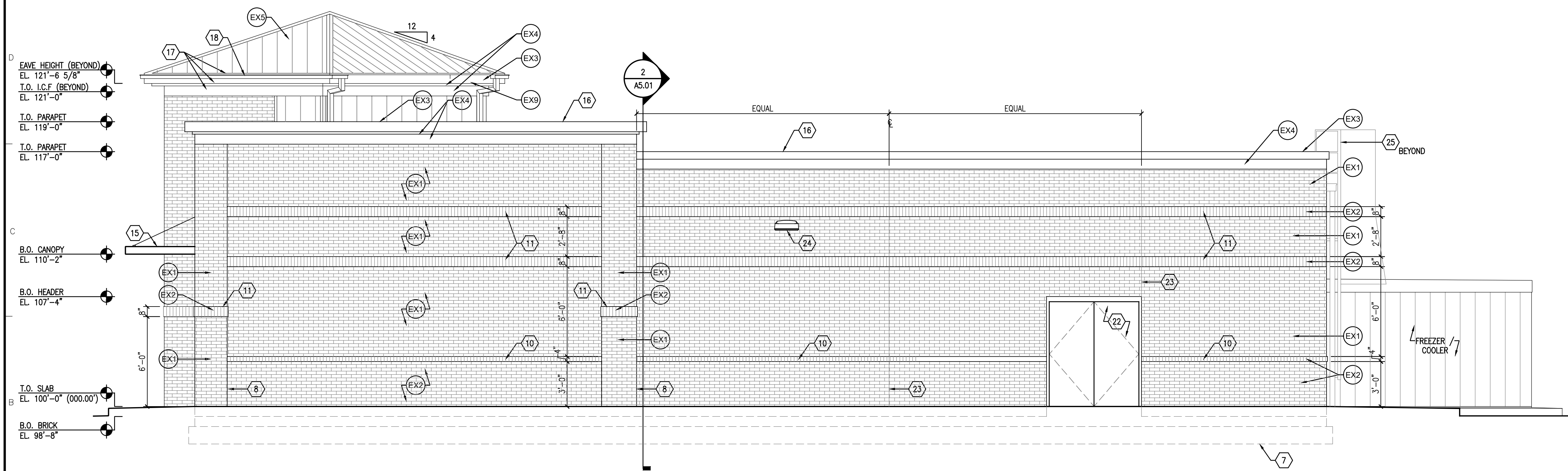
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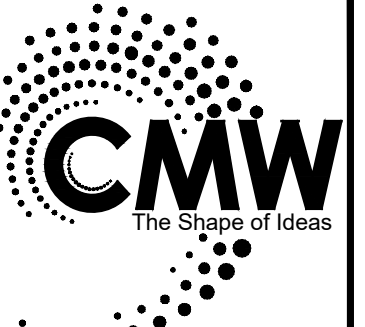
**A2.01**



1 EXTERIOR ELEVATION  
A-2.01 1/4" = 1'-0"



2 EXTERIOR ELEVATION  
A-2.01 1/4" = 1'-0"



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### GENERAL NOTES

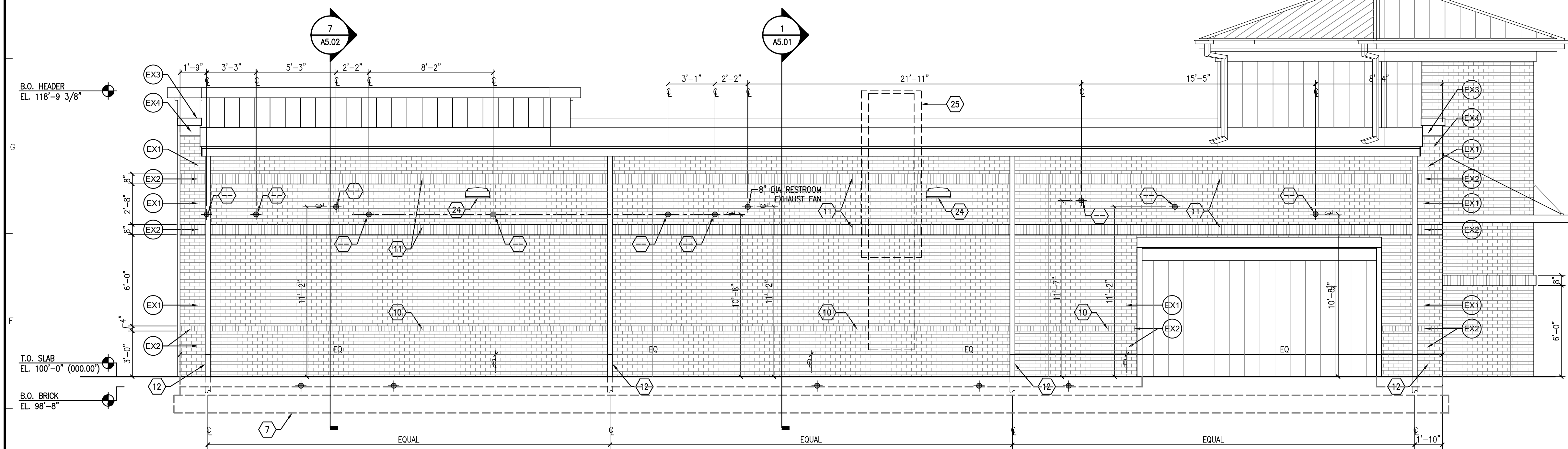
- A. REFER TO SHEETS A1.01 AND A2.01 'GENERAL NOTES'
- B. REFER TO SHEET A2.01 'EXTERIOR FINISH SCHEDULE'

### SHEET KEYNOTES

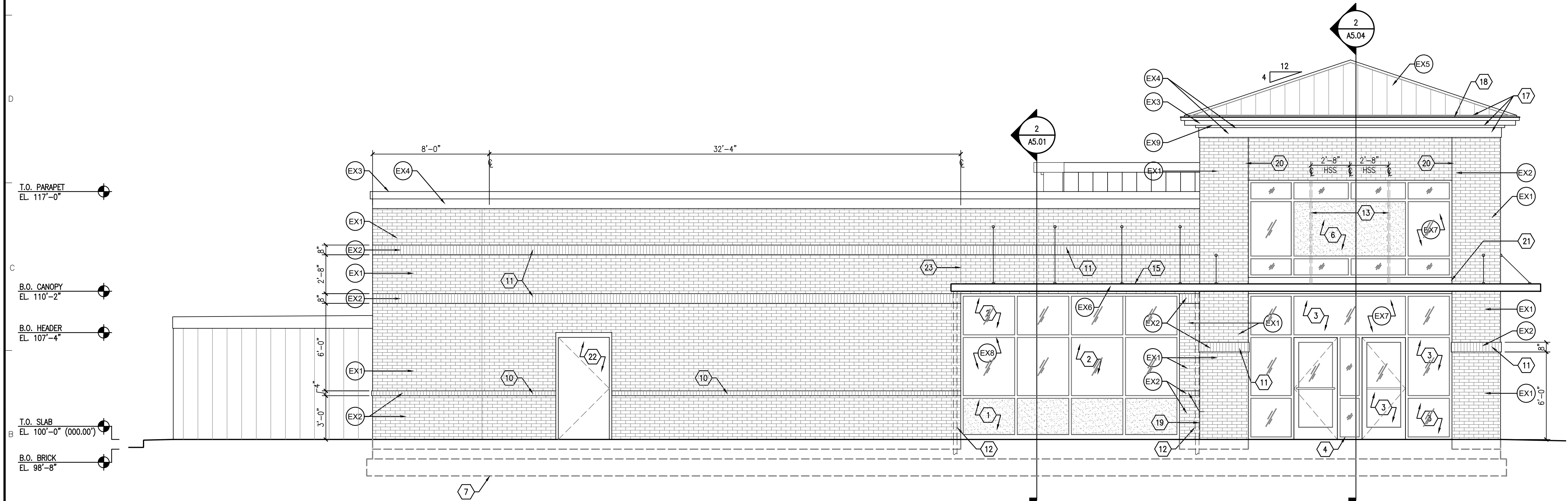
REFER TO SHEET A2.01 'SHEET KEYNOTES'

### EXTERIOR FINISH SCHEDULE

REFER TO SHEET A2.01 'EXTERIOR FINISH SCHEDULE'



**1** EXTERIOR ELEVATION  
A-2.02  
1/4" = 1'-0"



**2** EXTERIOR ELEVATION  
A-2.02  
1/4" = 1'-0"

**EXTERIOR ELEVATIONS**  
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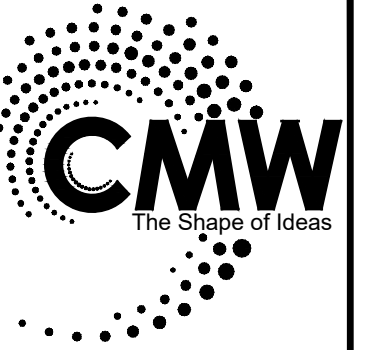
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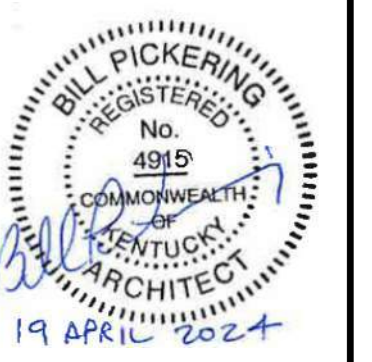
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# GENERAL NOTES

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



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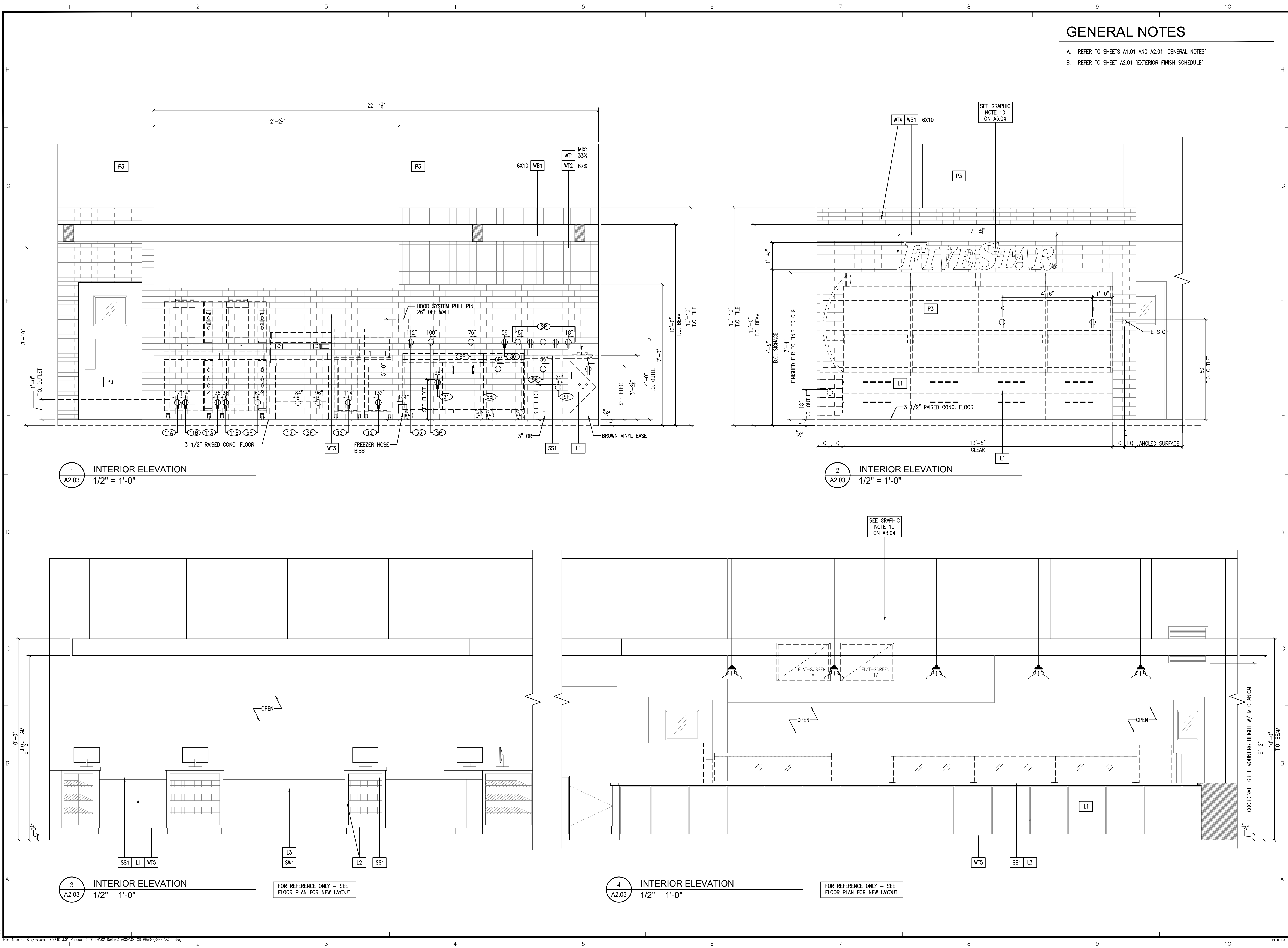
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**A2.03**



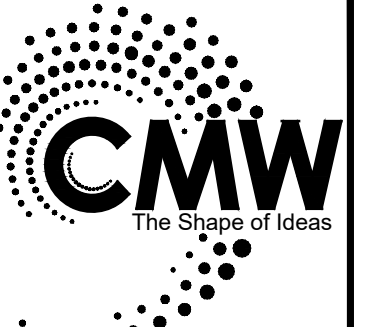
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### GENERAL NOTES

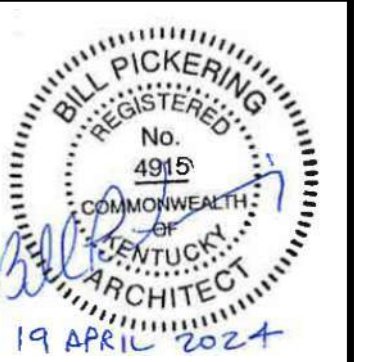
- A. REFER TO SHEETS A1.01 AND A2.01 'GENERAL NOTES'
- B. REFER TO SHEET A2.01 'EXTERIOR FINISH SCHEDULE'
- C. REFER TO SHEET A1.03 'EQUIPMENT SCHEDULE'
- D. REFER TO SHEET A3.04 'INTERIOR FINISH SCHEDULE'

### SHEET KEYNOTES

- 1. CENTER TILE LAYOUT ON WALL, NO EDGE TILE SMALLER THAN 1-1/2" WIDE
- 2. MAINTAIN A 12" CLEARANCE HERE PRIOR TO INSTALLING A EGRESS EMERGENCY LIGHT
- 3. SYRUP LINE OPENING
- 4. 6 WATER MANIFOLD AGAINST CABINET



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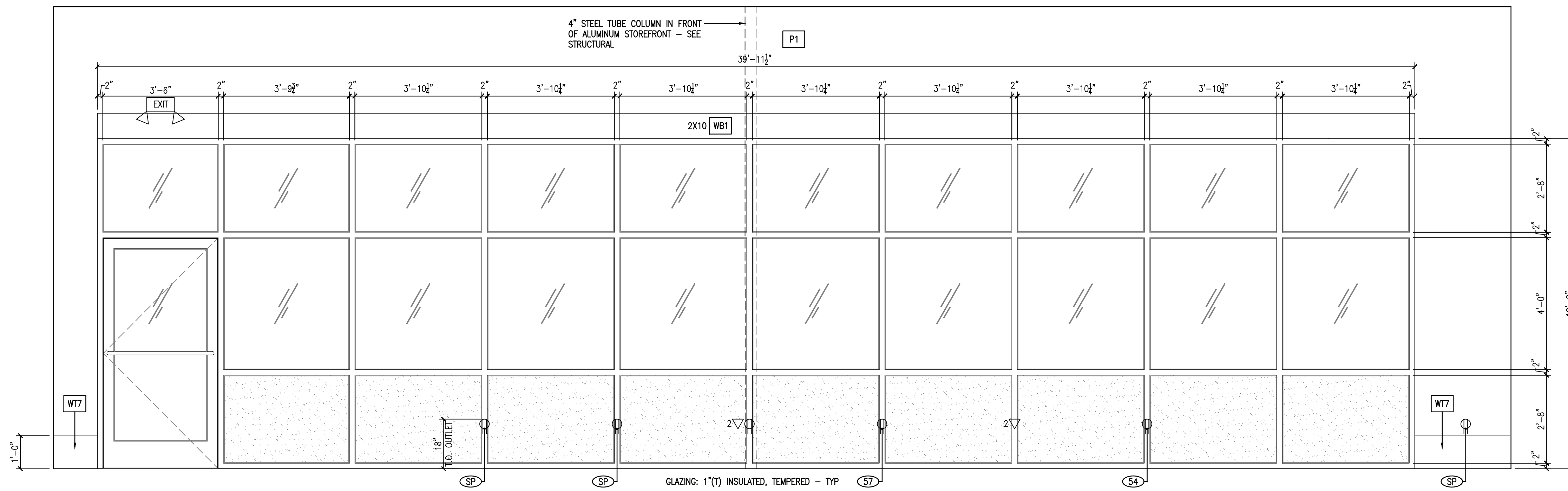
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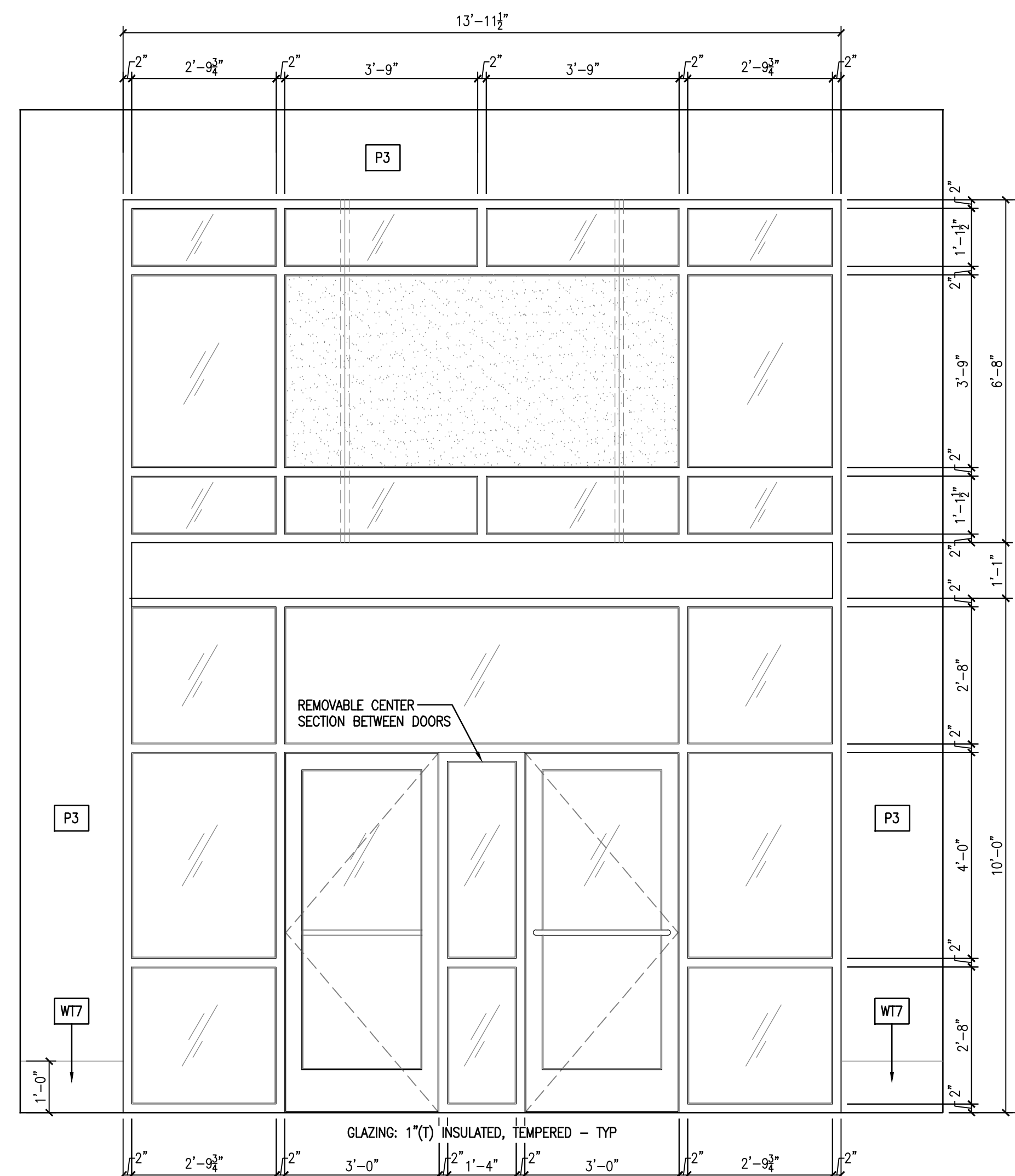
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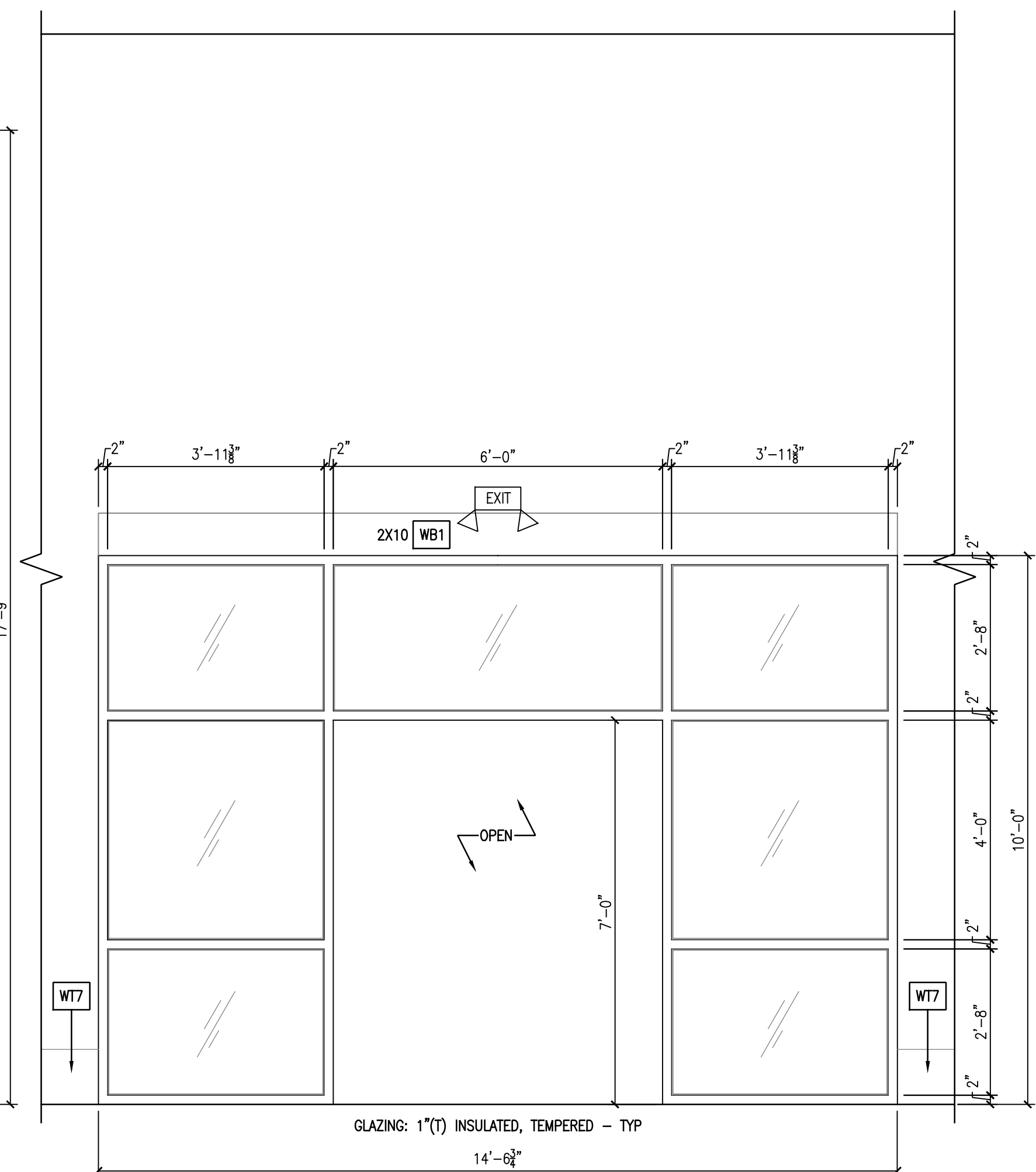
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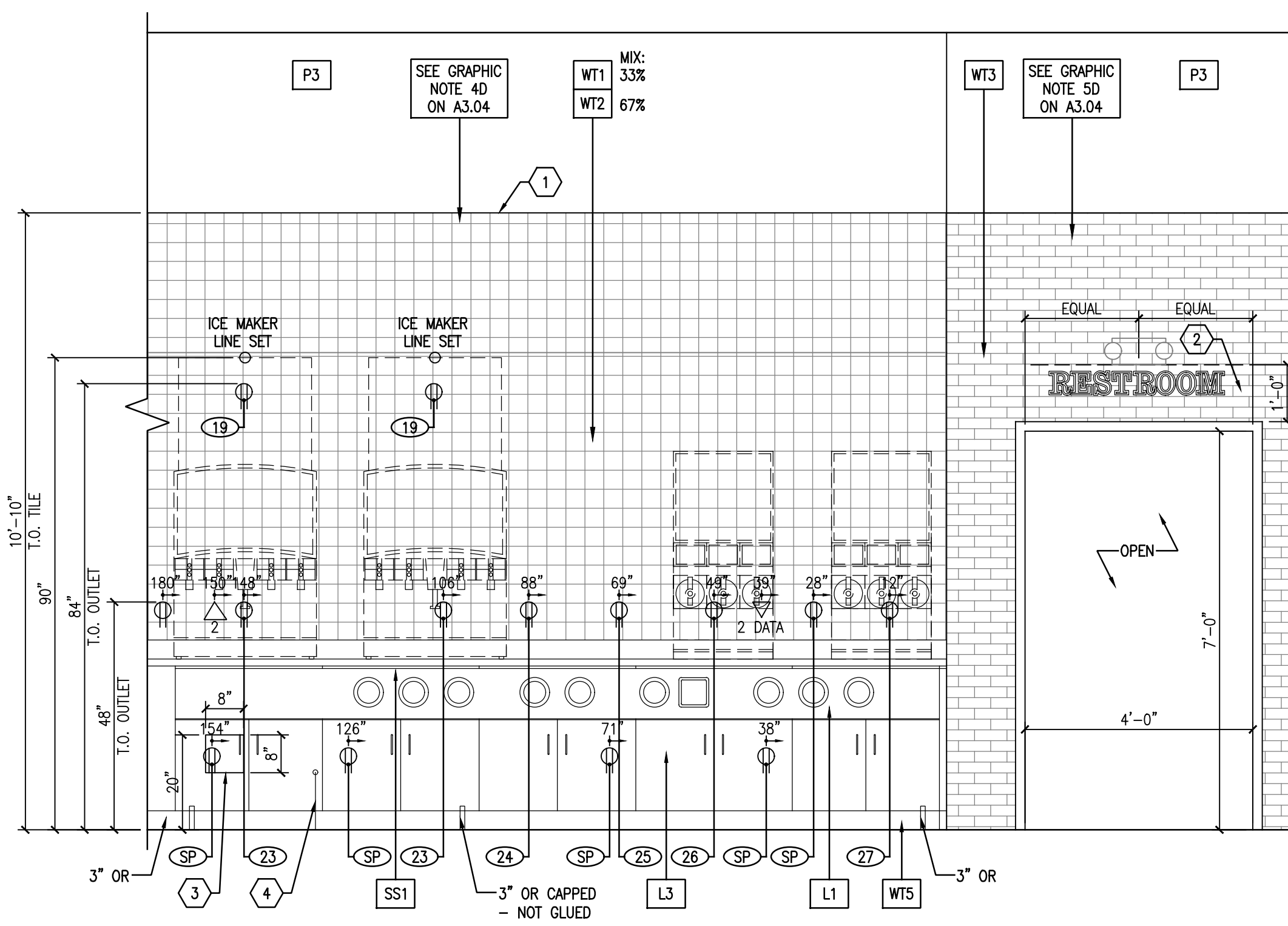
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A2.04  
**INTERIOR ELEVATION**  
1/2" = 1'-0"



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



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



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

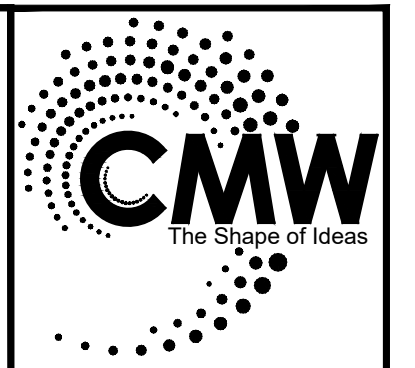
### Toilet / Custodial Accessories Schedule

PLAN TAG	DESCRIPTION	MOUNTING TYPE		TOILET ACCESSORIES SCHEDULE REMARKS
		SURFACE MOUNTED	RECESSED	
TA1	36" GRAB BAR (HORIZONTAL)	●	●	
TA2	42" GRAB BAR (HORIZONTAL)	●	●	
TA3	18" GRAB BAR (VERTICAL)	●	●	
TA4	TOILET PAPER DISPENSER	●	●	(OFI) OWNER FURNISHED CONTRACTOR INSTALLED
TA5	SOAP DISPENSER	●	●	
TA6	MIRROR 20"x36"	●	●	PROVIDE 2" STAINLESS STEEL FRAME
TA7	ROBE HOOK	●	●	INSTALL CENTERED WITHIN DOOR
TA9	PAPER TOWEL DISPENSER	●	●	

- GENERAL:**
- INSTALL TOILET ACCESSORIES PER ADA REQUIREMENTS
  - OFI - OWNER FURNISHED CONTRACTOR INSTALLED
  - EXAMINE SUBSTRATES AND AREAS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

### GENERAL NOTES

- REFER TO SHEETS A1.01 AND A2.01 'GENERAL NOTES'
  - REFER TO SHEET A3.04 'INTERIOR FINISH SCHEDULE'
- ### SHEET KEYNOTES
- PROVIDE AND INSTALL RONDEC MTL TRIM AT TOP OF LOWER TILE, TYP.
  - NOTE USED
  - HOLD BOTTOM OF DIVIDER WALL 12" ABOVE FLOOR AND TILE BOTTOM
  - OWNER FURNISHED AND OWNER INSTALLED (O.F.O.I.) SURFACE-MOUNTED TOILET PAPER DISPENSER - REFER TO ADA REQUIREMENTS DETAILS
  - EDGE STONE SHALL BE CUT CORNER STONES
  - 2X10 CEDAR OVER 2X6 PINE. PAINT BOTTOM PINE REVEAL. 2X6 SHALL BUTT TO FULL TILE. REFER TO DETAIL 6/A-552.
  - MITER END OF 2X10 AND RETURN TO WALL
  - INSULATE / COVER WATER SUPPLY AND DRAIN PIPES BENEATH LAVATORY PER ADA REQUIREMENTS
  - PROVIDE WOOD BLOCKING @ WALL BEHIND VANITY FROM T.O. CONCRETE FLOOR TO T.O. FAUCET - TYP.



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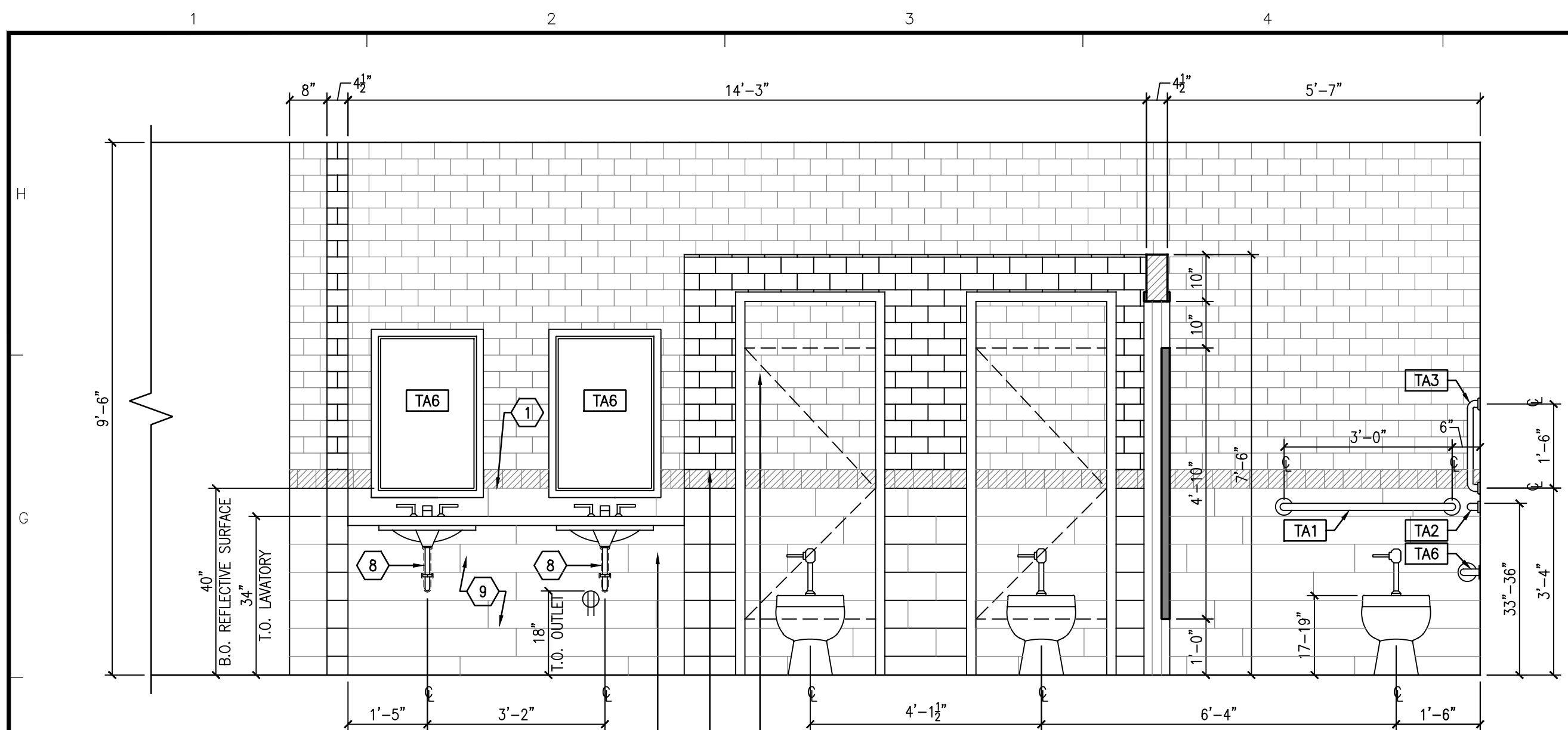
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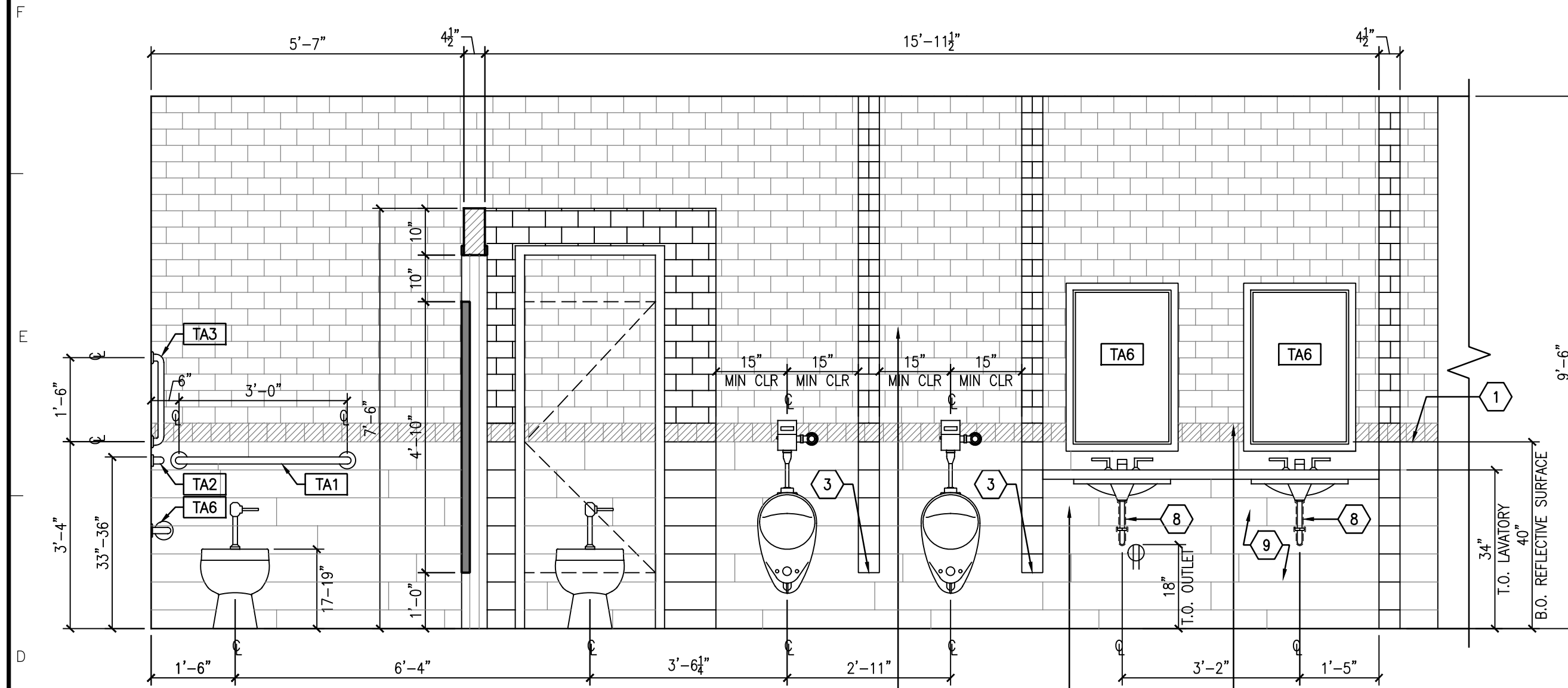
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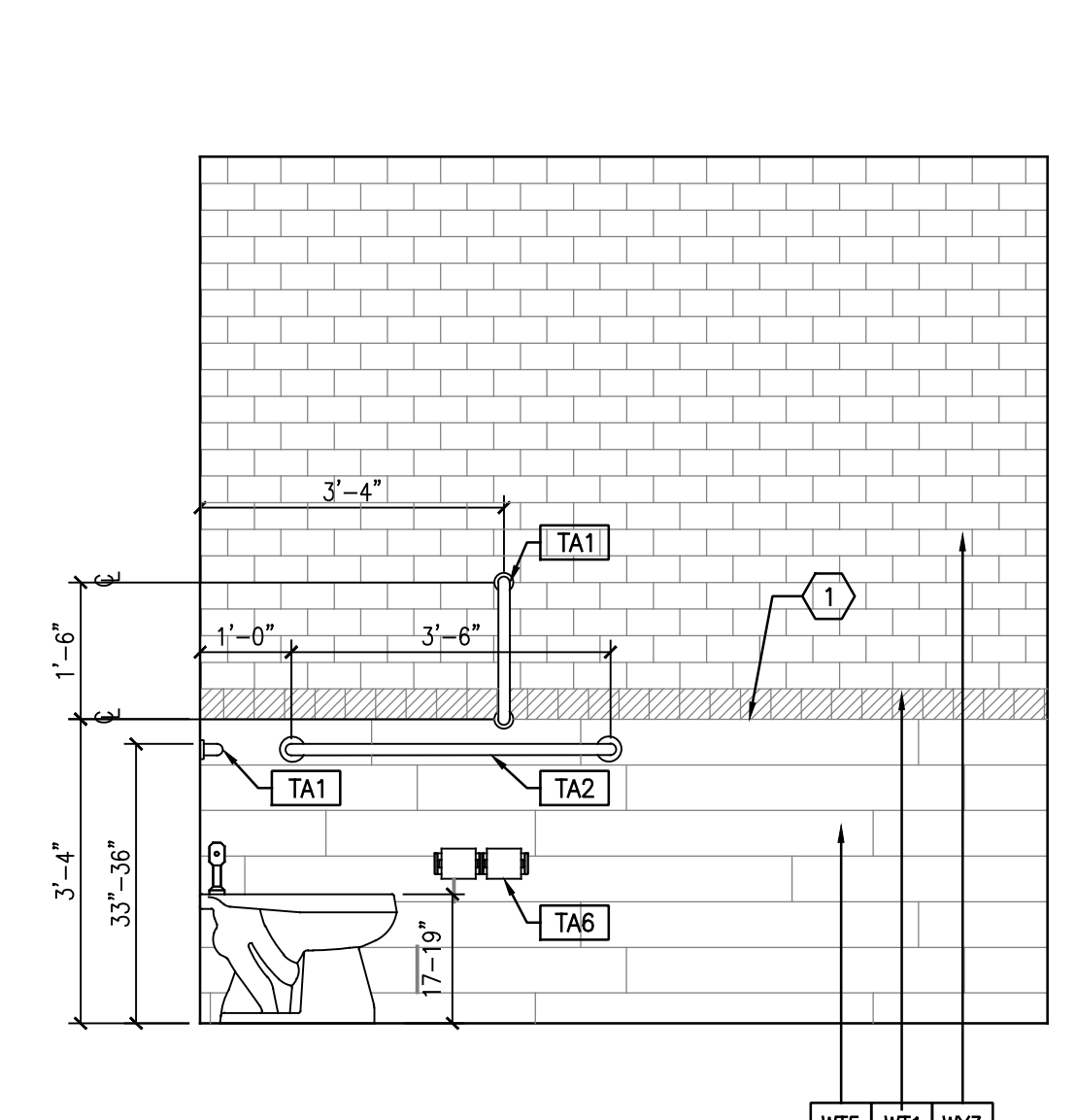
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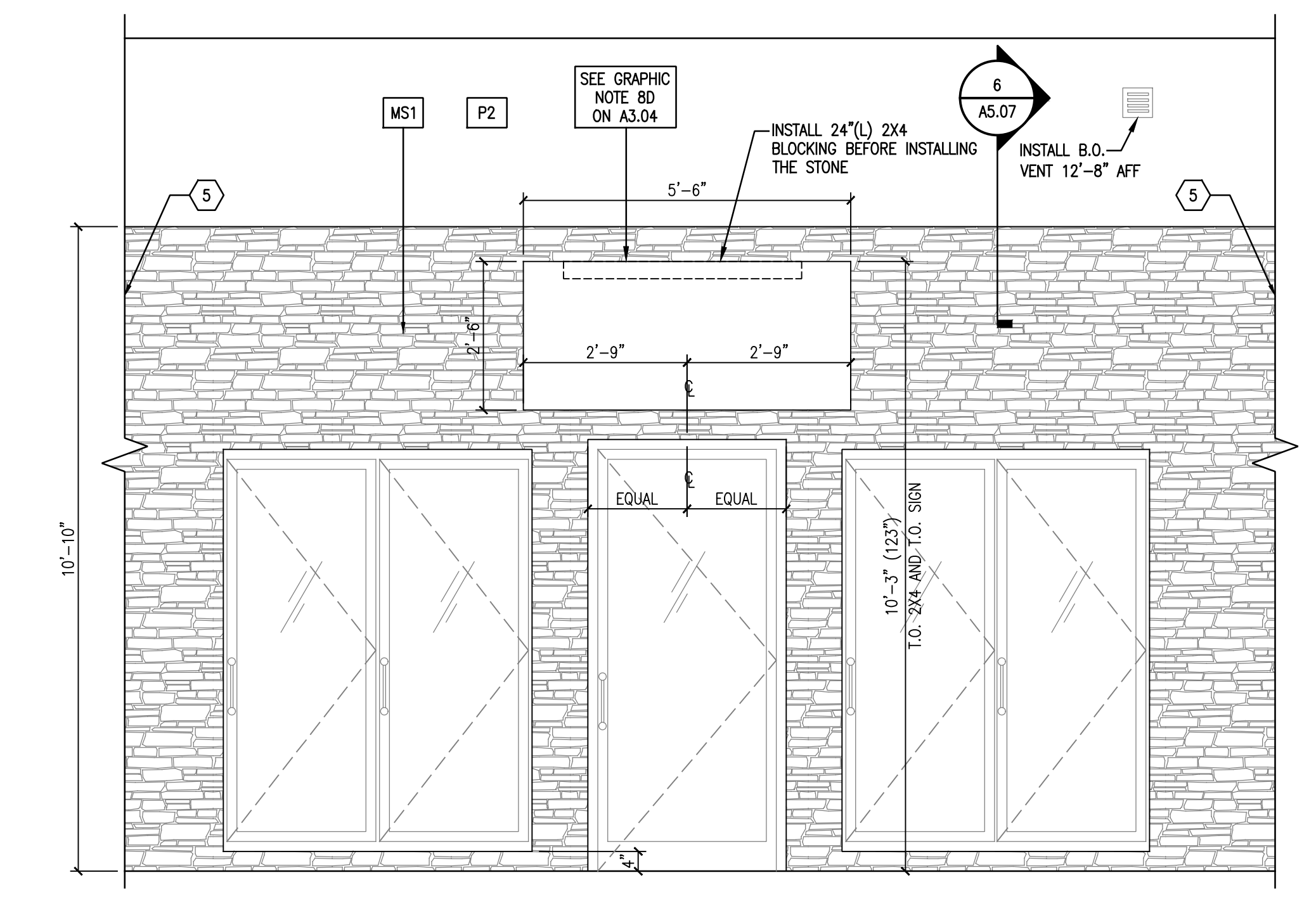
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A2.05  
1/2" = 1'-0"



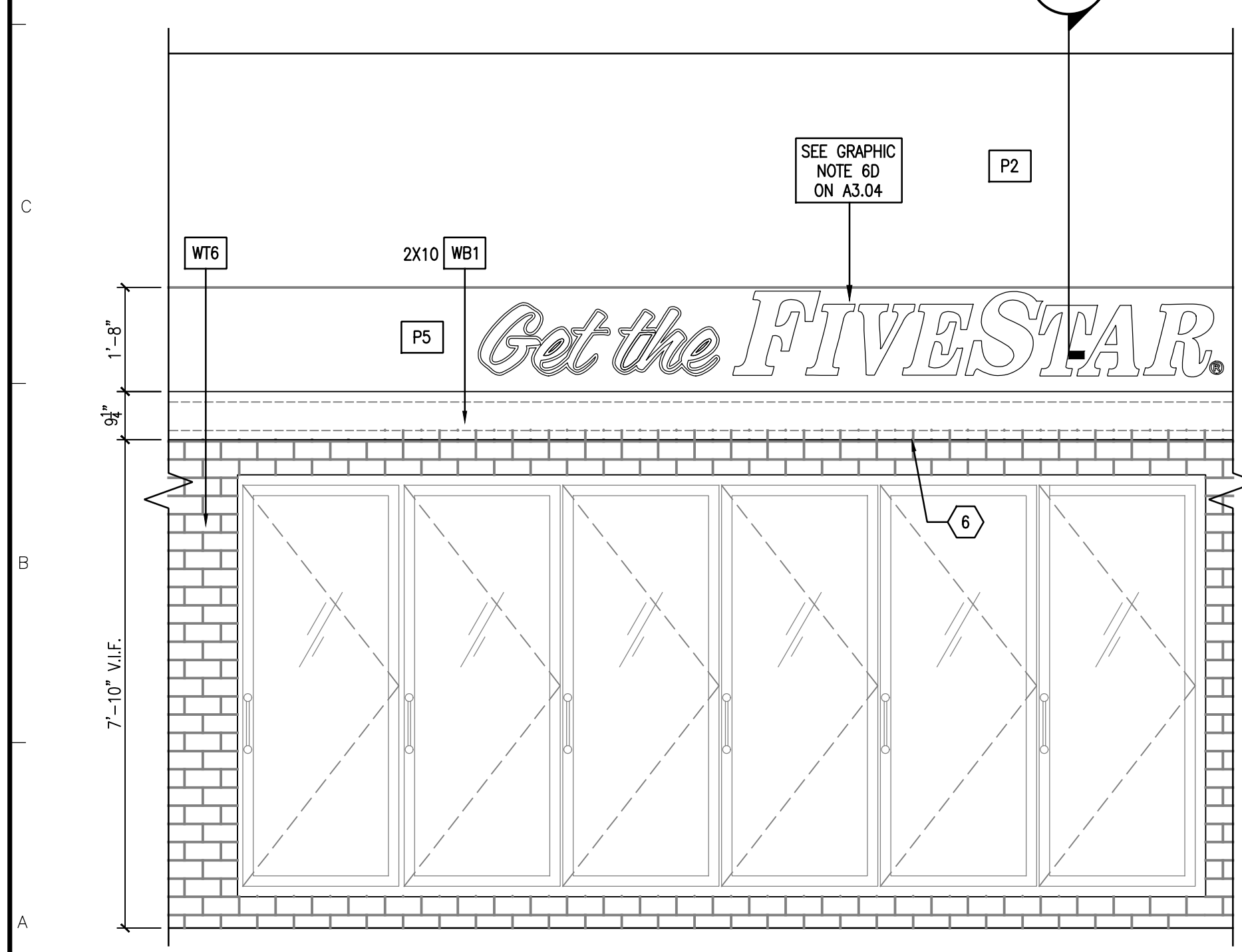
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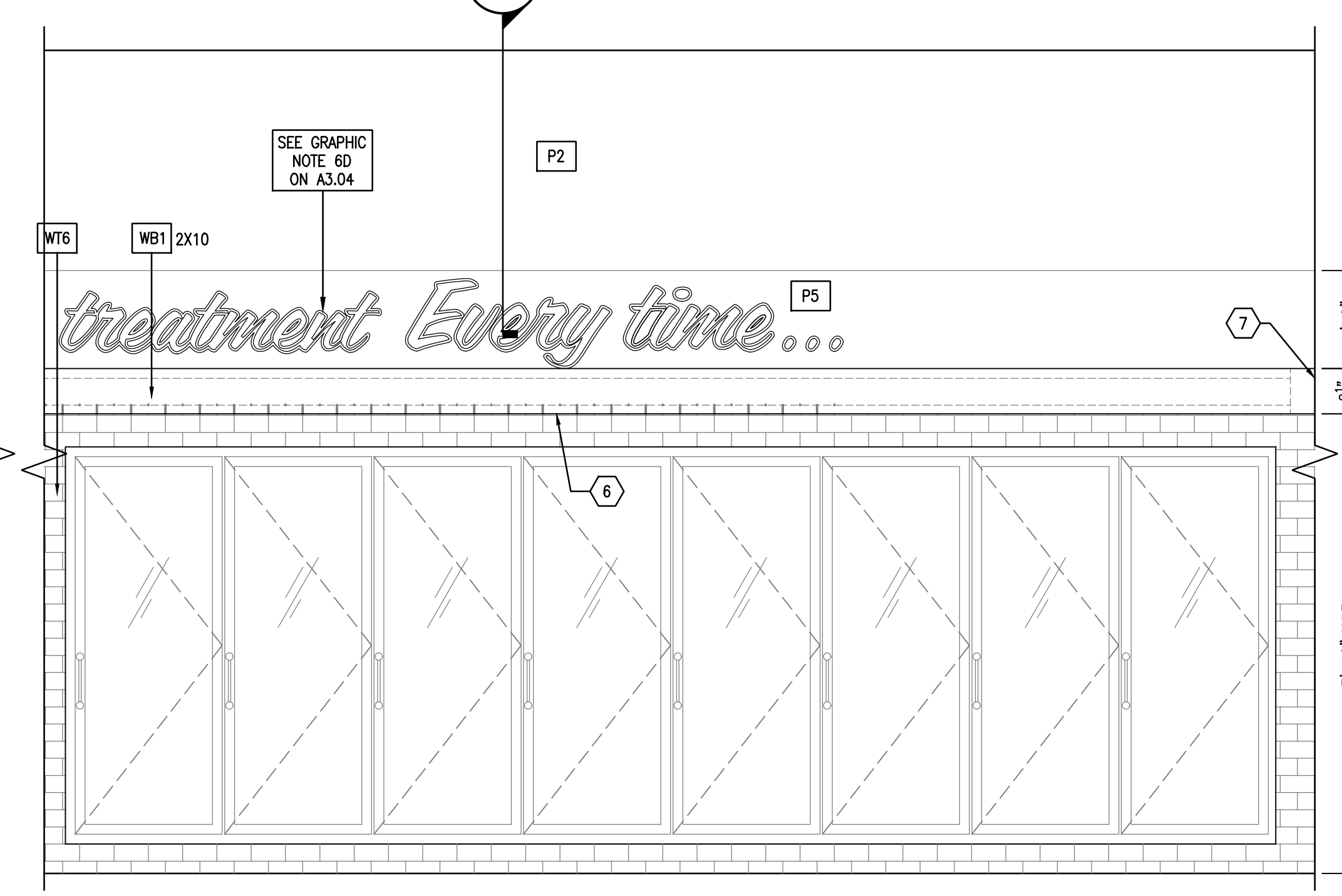
**3 INTERIOR ELEVATION**  
A2.05  
1/2" = 1'-0"



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



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

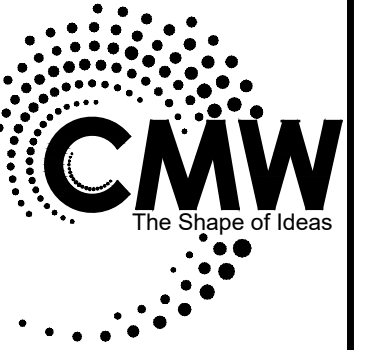


**4 INTERIOR ELEVATION**  
A2.05  
1/2" = 1'-0"

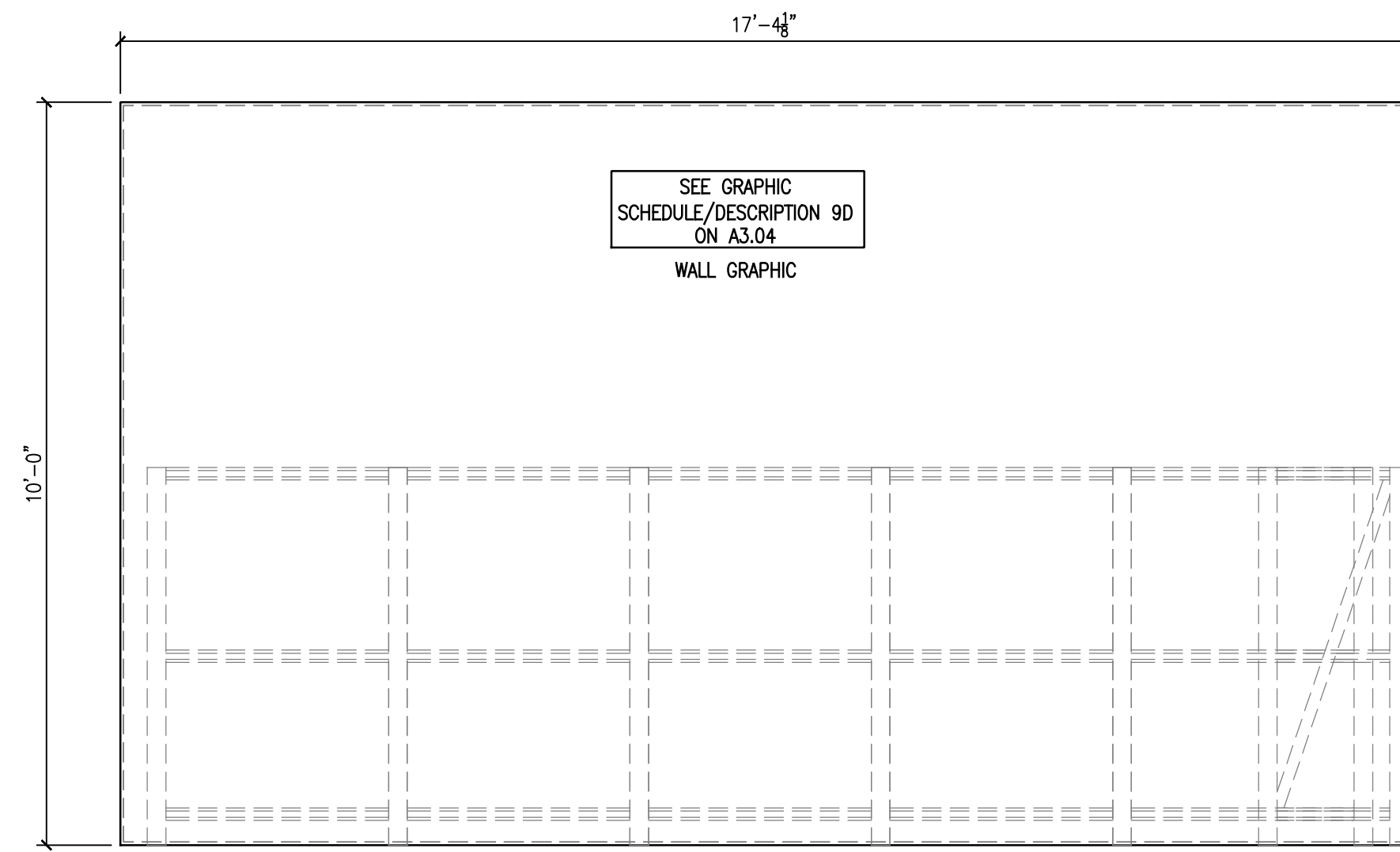
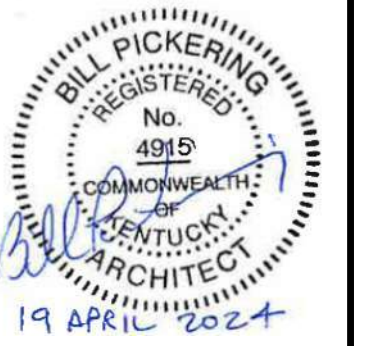


# GENERAL NOTES

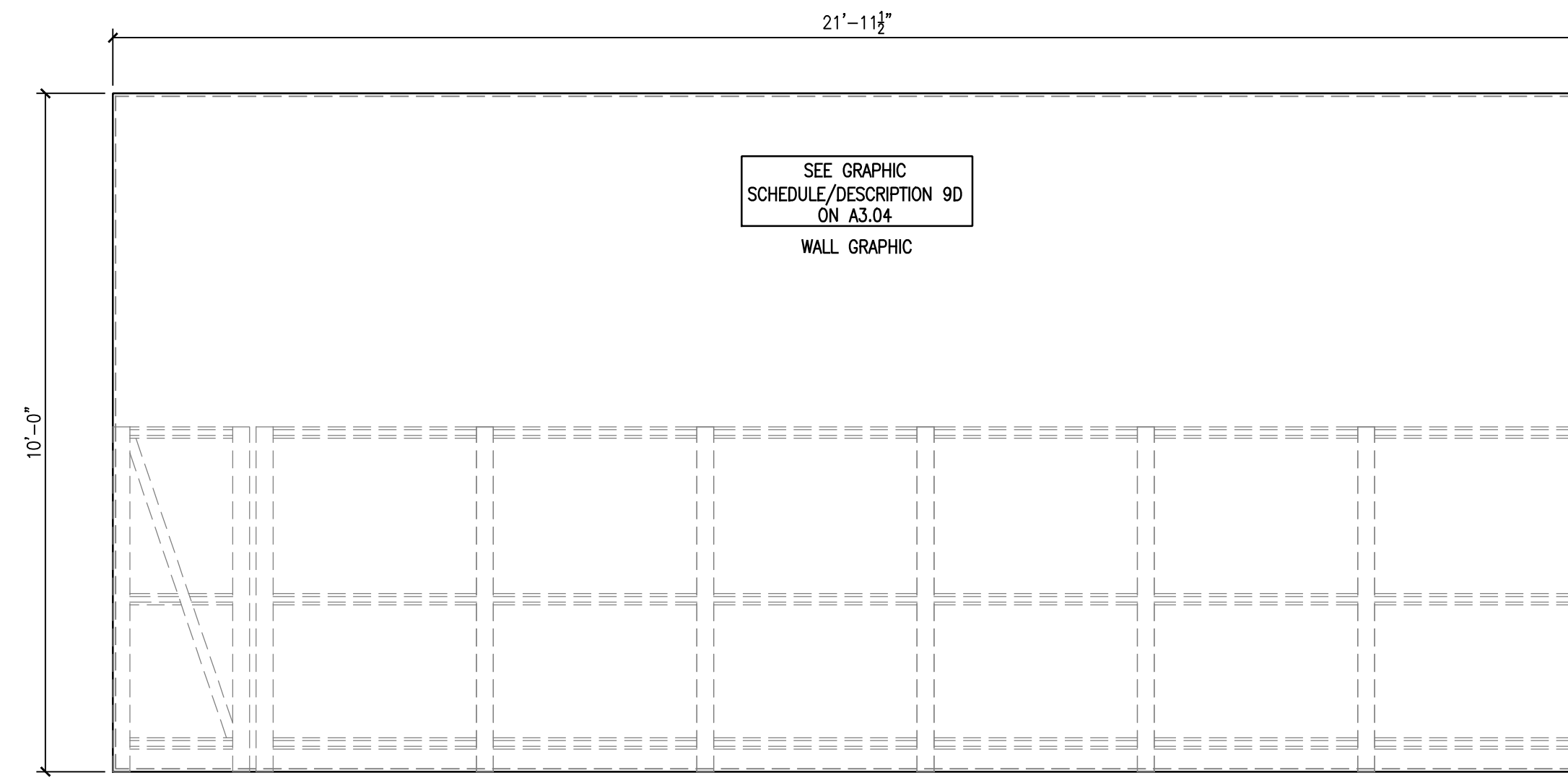
- A. REFER TO SHEET A1.01 'GENERAL NOTES'
- B. REFER TO SHEET A2.05 'SHEET KEYNOTES' AND 'TOILET / CUSTODIAL ACCESSORIES SCHEDULE'



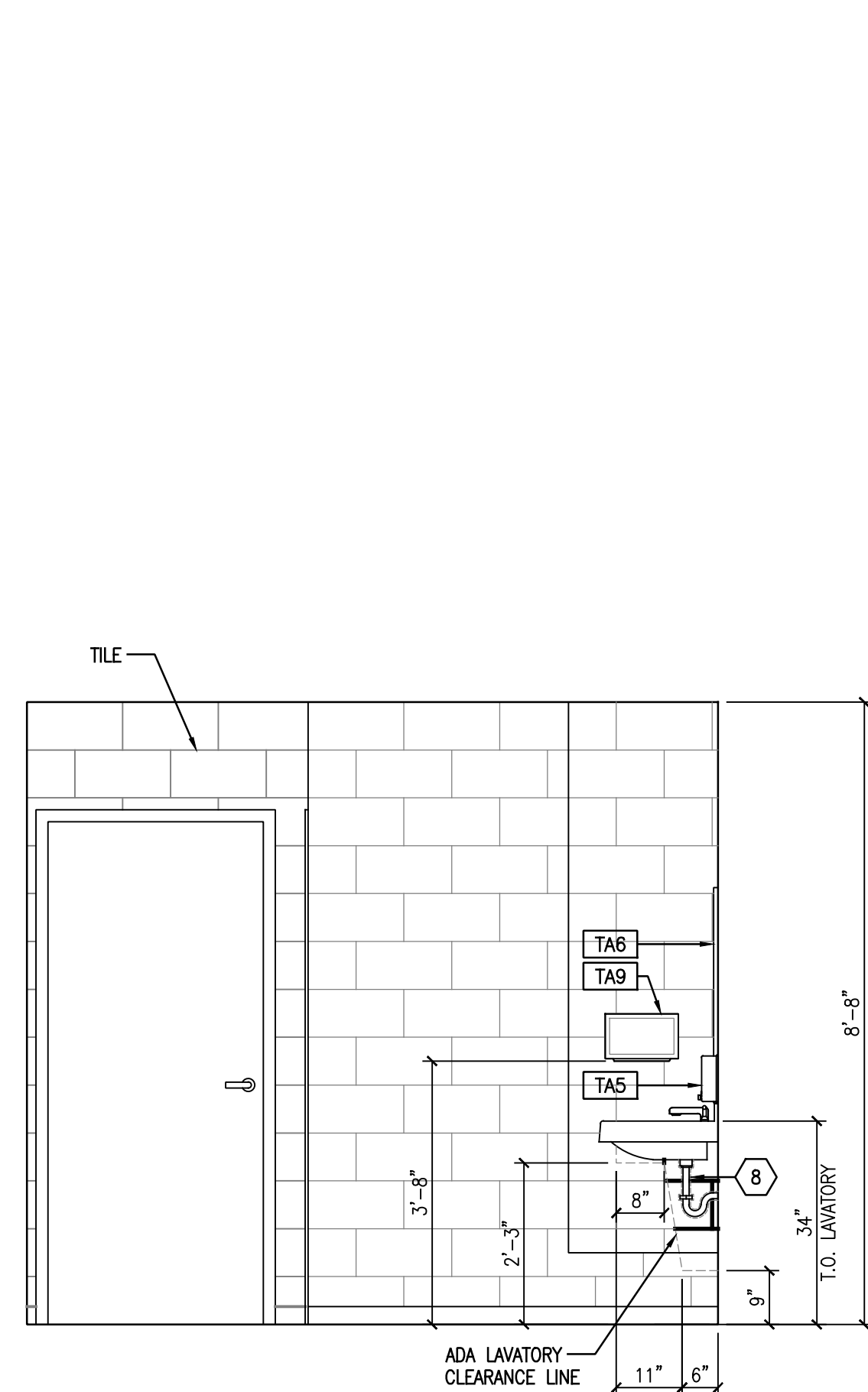
Architecture  
Civil Engineering  
Landscape Architecture  
a: 249 East Main Street  
Suite 100  
Lexington, Kentucky 40507  
o: (859) 254-6623  
w: www.cmwaecc.com



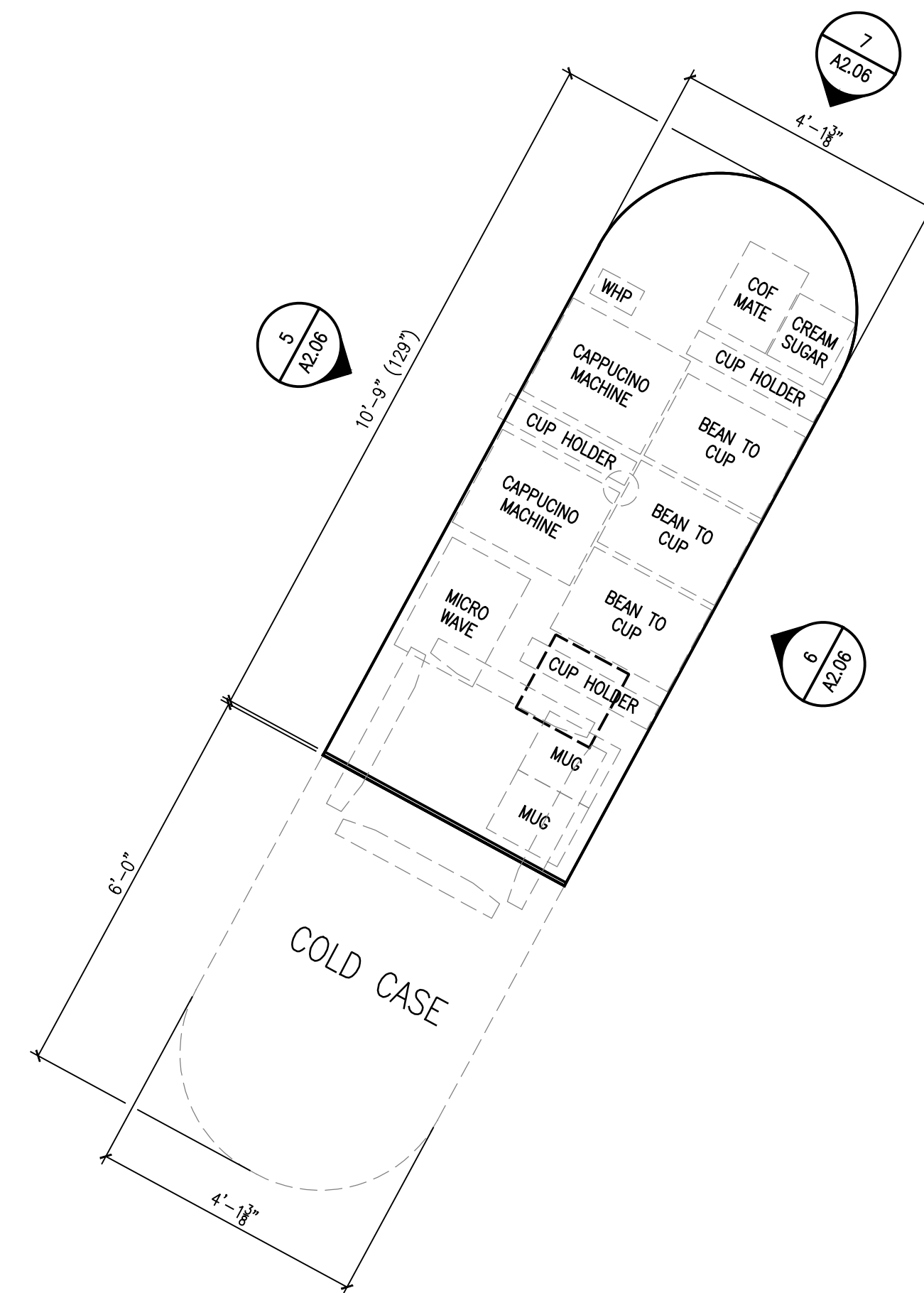
1 INTERIOR ELEVATION  
A2.06 1/2" = 1'-0"



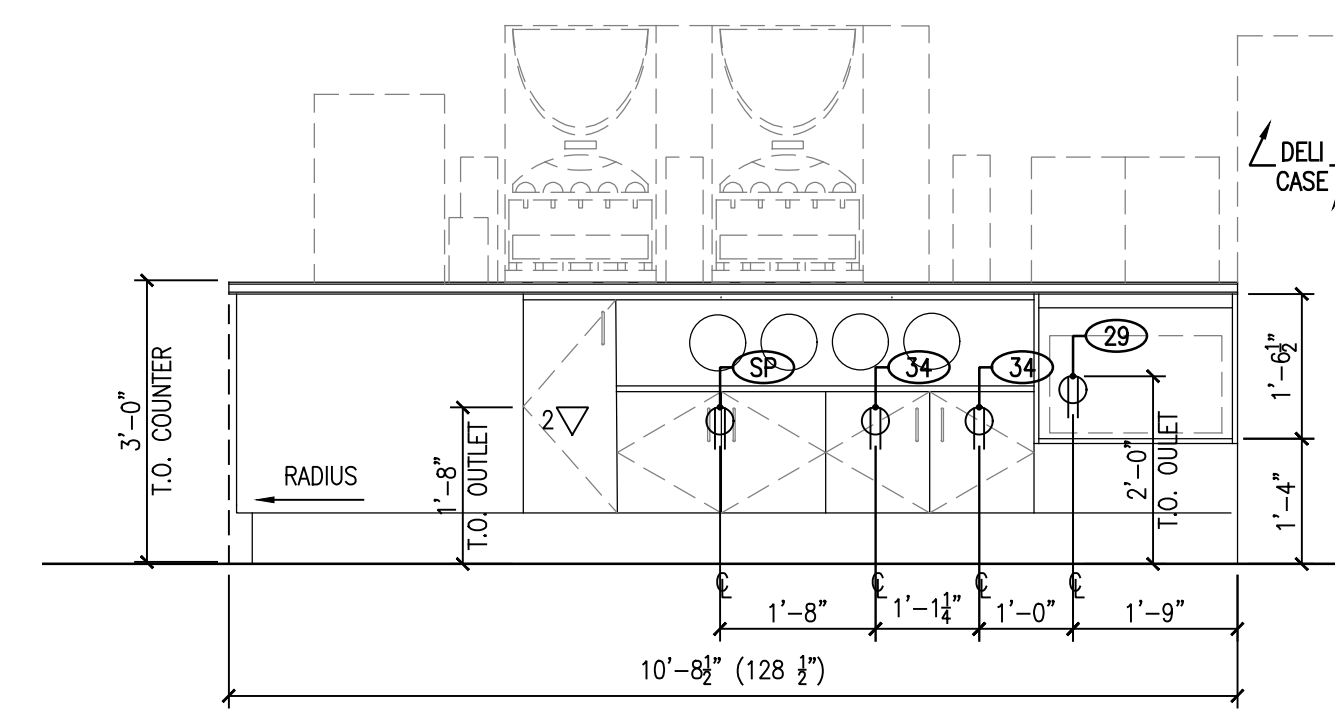
2 INTERIOR ELEVATION  
A2.06 1/2" = 1'-0"



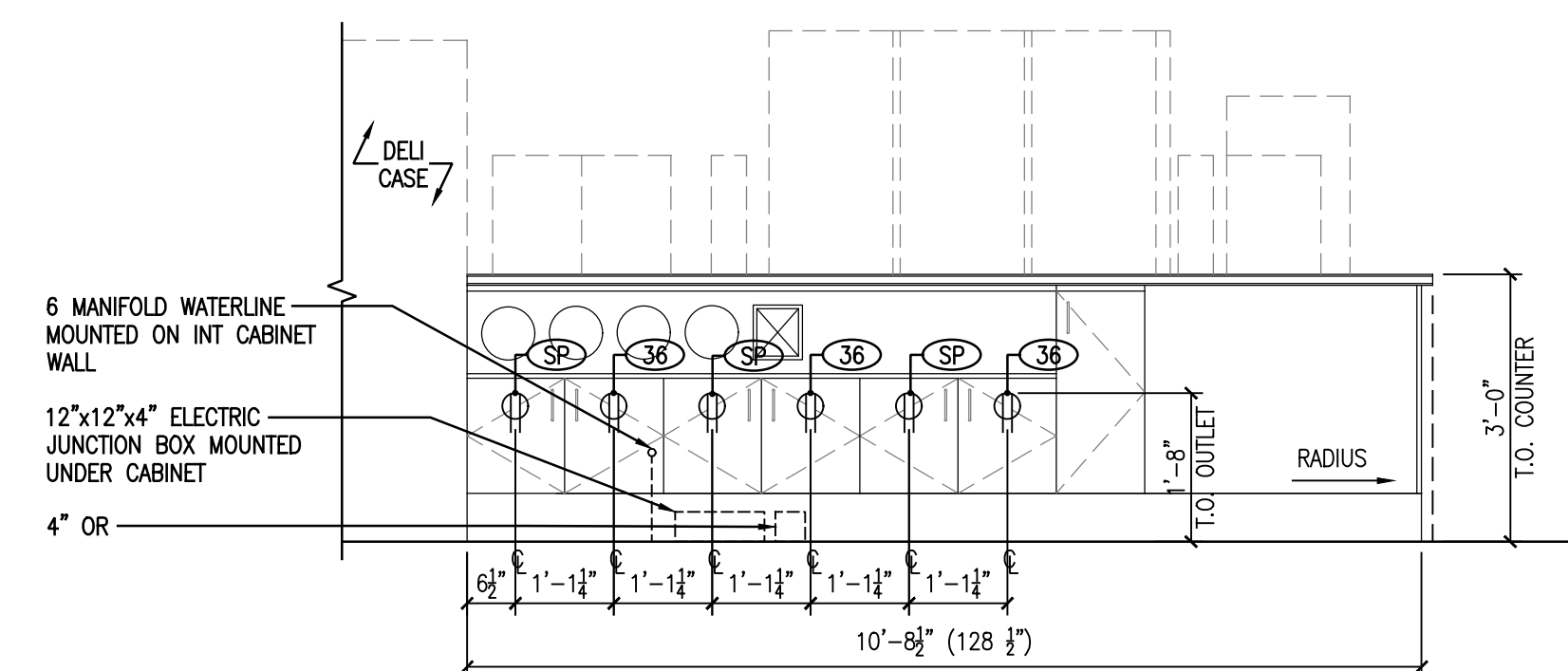
3 ADA REQUIREMENTS  
A2.06 1/2" = 1'-0"



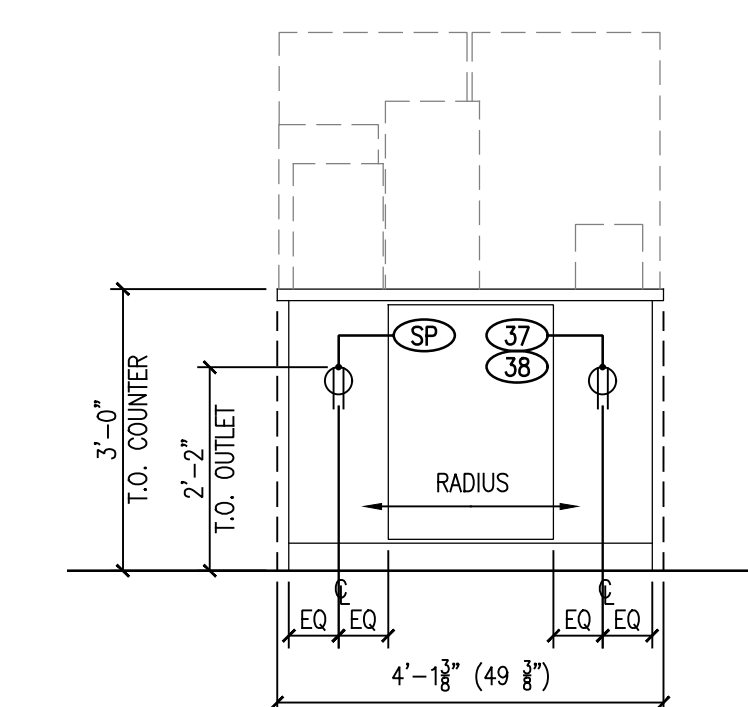
4 ENLARGED ISLAND PLAN  
A2.06 1/2" = 1'-0"



5 ISLAND ELEVATION  
A2.06 1/2" = 1'-0"



6 ISLAND ELEVATION  
A2.06 1/2" = 1'-0"



7 ISLAND ELEVATION  
A2.06 1/2" = 1'-0"

INTERIOR ELEVATIONS  
FiveStar #7624 - Paducah  
NEWCOMB OIL CO., LLC  
2310 LONE OAK RD.  
PADUCAH, KY 42003

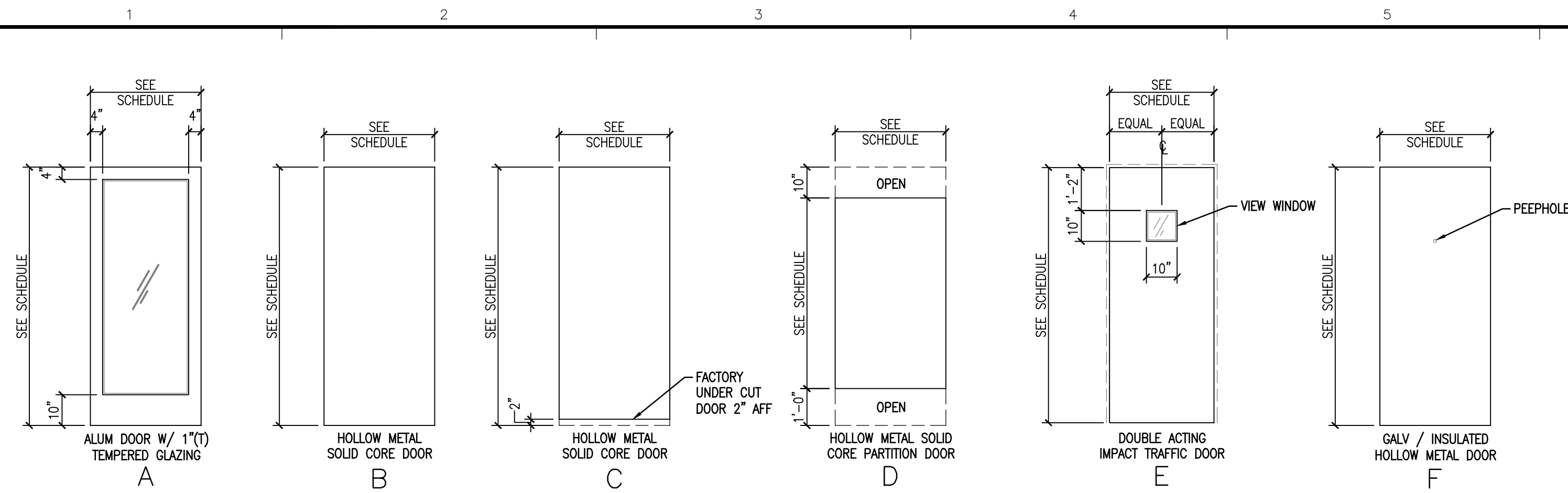
### CONSTRUCTION DOCUMENTS

Issue Date:	April 19, 2024
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Revisions:	
Mark	Date

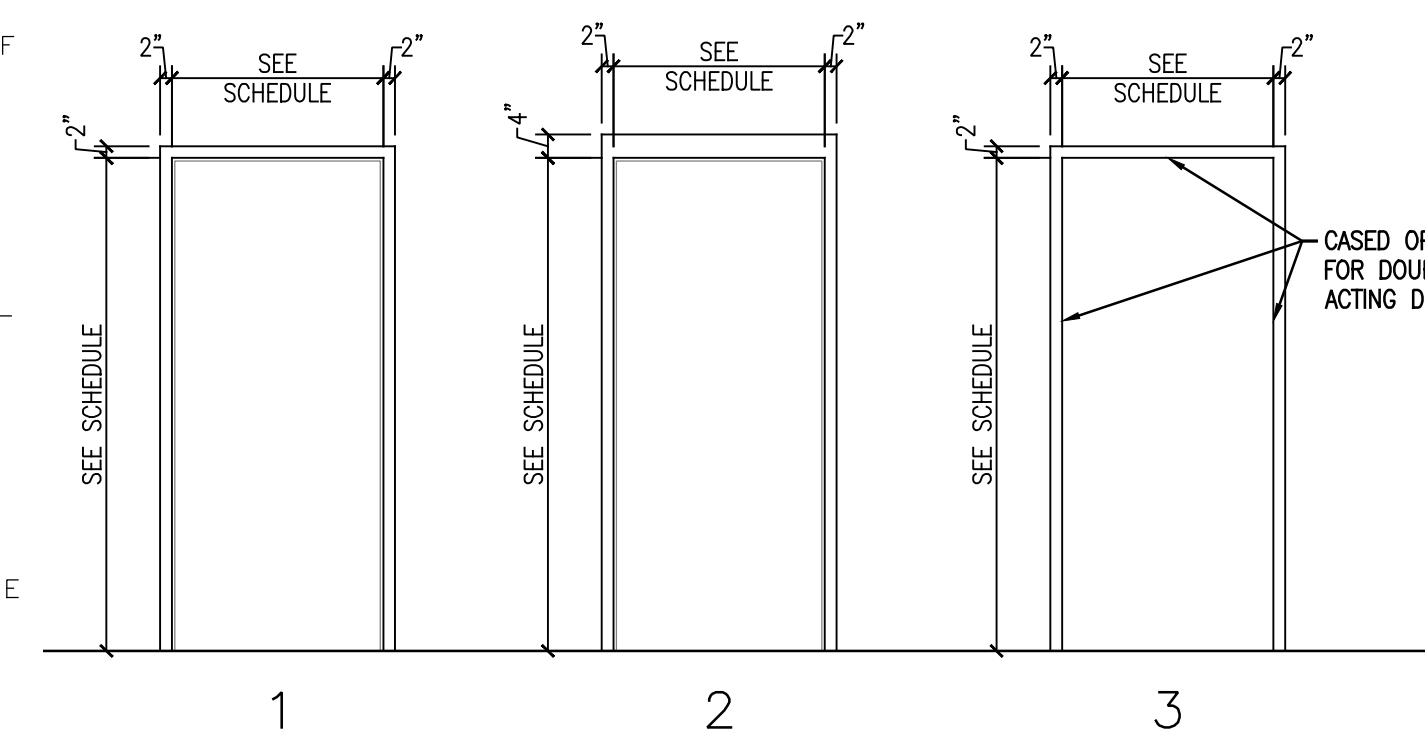
AHJ SEAL

Project Number  
**24013.01**

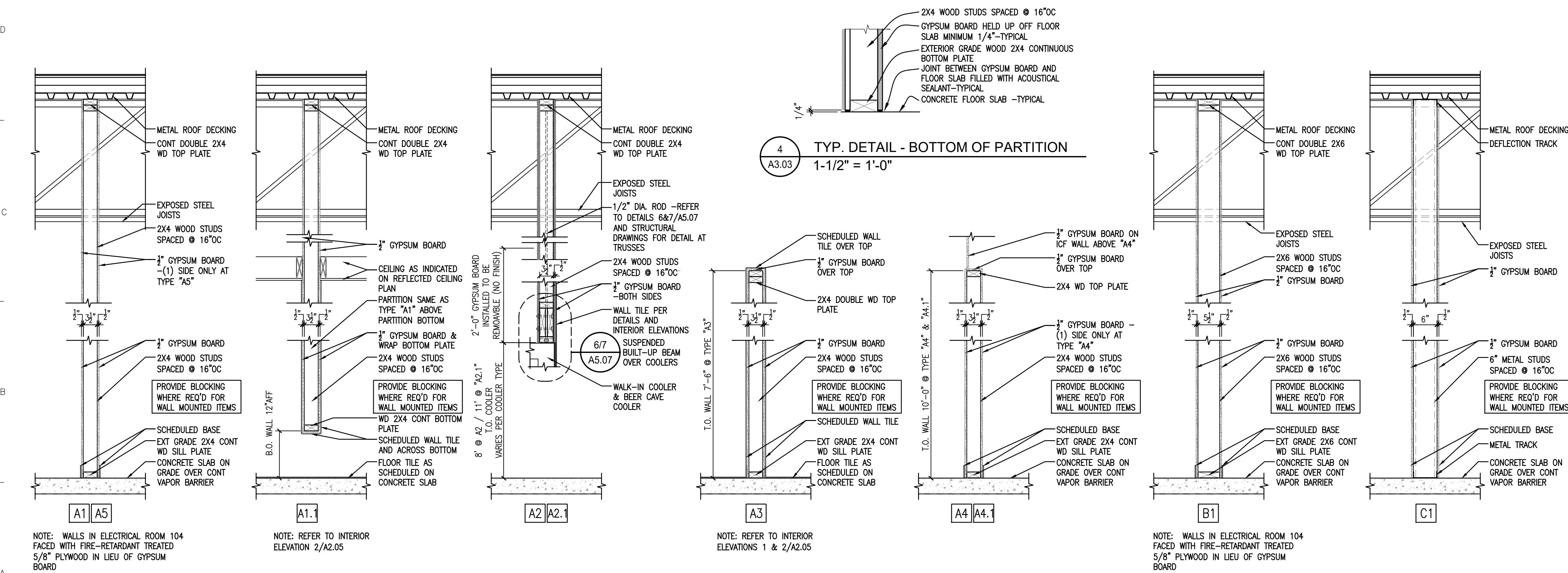
**A2.06**



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



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



4 TYP. DETAIL - BOTTOM OF PARTITION  
A3.03 1-1/2" = 1'-0"

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

DOOR AND FRAME SCHEDULE

DOOR NO.	ROOM NO.	SIZE	DOORS				FRAMES				DETAILS			RATING	HWR. SET	REMARKS	DOOR NO.
			MATERIAL	TYPE	CORE	FINISH	MATERIAL	TYPE	FINISH	DEPTH	HEAD	JAMB	SILL				
101	100 VESTIBULE	3'-0" x 7'-0" x 1 3/4"	ALUM	A	-	ANOD	ALUM	3/2.04	ANOD	4 1/2"	-	-	-	-	-	1:15:18	101
102	100 VESTIBULE	3'-0" x 7'-0" x 1 3/4"	ALUM	A	-	ANOD	ALUM	3/2.04	ANOD	4 1/2"	-	-	-	-	-	2:15:18	102
103	100 VESTIBULE	3'-0" x 7'-0" x 1 3/4"	ALUM	A	-	ANOD	ALUM	3/2.04	ANOD	4 1/2"	-	-	-	-	-	1:15:18	103
104	100 VESTIBULE	3'-0" x 7'-0" x 1 3/4"	ALUM	A	-	ANOD	ALUM	3/2.04	ANOD	4 1/2"	-	-	-	-	-	2:15:18	104
-	-	NOTUSED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
107	102 DELI	3'-0" x 7'-0" CASED OPENING	ALUM	E	-	ANOD	HM	3	PT	5 1/2"	-	-	-	-	-	4	107
108	102 DELI	3'-0" x 7'-0" CASED OPENING	ALUM	E	-	ANOD	HM	3	PT	5 1/2"	-	-	-	-	-	4	108
108A	108A STORAGE	3'-0" x 7'-0" x 1 3/4"	HM	B	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	108A	108A
109	103 OFFICE	3'-0" x 7'-0" x 1 3/4"	HM	B	-	PT	HM	1	PT	5 1/2"	-	-	-	-	TRILGY	5	109
110	103A OFFICE CLOSET	2'-0" x 7'-0" x 1 3/4"	HM	C	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	6:17	110
111	111 DISHWASHING	3'-6" x 7'-0" x 1 3/4"	GALV/ HM	F	-	PT	GALV HM	2	PT	8 1/2"	-	-	-	-	-	13	111
112	112 UTILITY ROOM	3'-0" x 7'-0" x 1 3/4"	HM	B	-	PT	HM	1	PT	5 1/2"	-	-	-	-	TRILGY	5:16	112
113	104 ELECTRICAL ROOM	3'-0" x 7'-0" x 1 3/4"	HM	C	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	16:19	113
-	-	NOTUSED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114	107 WOMENS RESTROOM	3'-0" x 6'-8" x 1 3/4"	HM	D	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	10	114
115	107 WOMENS RESTROOM	2'-4" x 6'-8" x 1 3/4"	HM	D	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	9	115
116	107 WOMENS RESTROOM	2'-4" x 6'-8" x 1 3/4"	HM	D	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	9	116
-	-	NOTUSED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
119	109 MENS RESTROOM	2'-4" x 6'-8" x 1 3/4"	HM	D	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	9	119
120	109 MENS RESTROOM	2'-4" x 6'-8" x 1 3/4"	HM	D	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	10	120
121	110 STORAGE	3'-0" x 7'-0" x 1 3/4" (PAIR)	GALV/ HM	F	INSUL	PT	GALV HM	1	PT	-	-	-	-	-	-	13:14	121
122	110 STORAGE	3'-0" x 7'-0" x 1 3/4"	HM	BIF	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	12	122
123	106 HALLWAY	3'-0" x 7'-0" x 1 3/4"	HM	B	-	PT	HM	1	PT	5 1/2"	-	-	-	-	-	8	123

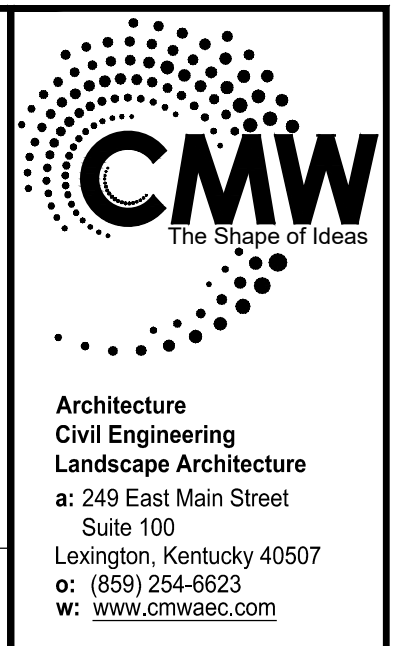
- DOOR AND FRAME SCHEDULE REMARKS:
- HARDWARE BY DOOR MANF - CLEAR ANODIZED ALUMINUM PUSH BAR ON PUSH SIDE OF "OUT DOOR" - REFER TO NOTES FOR ADDITIONAL HARDWARE
  - HARDWARE BY DOOR MANF - CLEAR ANODIZED ALUMINUM PUSH BAR ON PUSH SIDE OF "IN DOOR" - REFER TO NOTES FOR ADDITIONAL HARDWARE
  - HARDWARE 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 121 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 112 AND 113 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 (GROUTED SOLID), WEATHER STRIP, & BOTTOM RAIL SWEEP. REFER TO SCHEDULE FOR PUSH BARS AND PANIC DEVICE. NO PULLS ON ALUM DOORS.
  - LEVER, HINGES, WALL STOP

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 #7624 - Paducah  
NEWCOMB OIL CO., LLC  
2310 LONE OAK RD.  
PADUCAH, KY 42003

CONSTRUCTION DOCUMENTS

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AHJ SEAL	

Project Number  
24013.01

A3.03

**EXTERIOR FINISH SCHEDULE**

CODE	DESCRIPTION	COLOR / TYPE	MANUFACTURER NOTES
EX1	EXTERIOR BRICK	COLOR: CHARLESTON WELLINGTON TYPE: MODULAR BRICK	SILOUX CITY
EX2	EXTERIOR BRICK	COLOR: WHITE PLAINS TYPE: MODULAR BRICK	SILOUX CITY
EX3	METAL PARAPET CAP	COLOR: PATRIOT RED (METALLIC) TYPE: 24GA KYNAR FINISH	METAL SALES
EX4	METAL PARAPET CAP	COLOR: MYSTIC PLUS TYPE: 24GA KYNAR FINISH	METAL SALES
EX5	METAL ROOF 'TEE PANEL' STANDING SEAM ROOF	COLOR: PATRIOT RED (METALLIC) TYPE: 24GA KYNAR FINISH	METAL SALES
EX6	METAL ROOF DECKING & D.S.(GRAY)	COLOR: PATRIOT RED (METALLIC) TYPE: 24GA KYNAR FINISH	TENNESSEE VALLEY METALS GALVANIZED
EX7	ALUMINUM STOREFRONT	SEE A2.01 GENERAL NOTES	
EX8	ALUMINUM STOREFRONT	SEE A2.01 GENERAL NOTE 9	
EX9	SOFFIT PANEL	COLOR: GR50-KYNAR LINEN WHITE TYPE: V-GROOVE 12 (28GA)	METAL SALES
	GLAZING	SEE A2.01 GENERAL NOTES	
	INSULATED METAL PANEL	SEE A2.01 GENERAL NOTES	

**INTERIOR FINISH SCHEDULE**

CODE	DESCRIPTION / LABEL	AREA / SUBSTRATE	COLOR	PRODUCT # / SERIES	MANF	CONTACT
EF1	EPOXY FLOOR	FLOORS	STANDARD COLOR	-	-	-
FRP-1	MARLITE AT 10'-0"	WALL COVERING	STANDARD COLOR	-	MARLITE	-
FRP-2	MARLITE AT 4'-0"	WALL COVERING	STANDARD COLOR	-	MARLITE	-
FT1	12"x12" PORCELAIN STONE TILE (BRICKWORK PATTERN)	VESTIBULE / SALES FLR. / BEER CAVE / RR / STORAGE FLOORS	#VL78 ACCENT BROWN	-	-	-
	3/16" GROUT LINES	VESTIBULE / SALES FLR. / BEER CAVE / RR / STORAGE FLOORS	#145 LIGHT SMOKE SANDED GROUT	-	-	-
FT2	6"x24" PORCELAIN TILE	SALES FLR. / DELI FLOORS	#H03 TEAK	COLORBODY	-	-
	3/16" GROUT LINES	SALES FLR. / DELI FLOORS	#59 SADDLE BROWN SANDED GROUT	-	-	-
FT3	6X6 PAVER	-	0096 CHARCOAL STD Q096661P	-	-	-
	GROUT	-	#145 LIGHT SMOKE GROUT	POLY BLEND PLUS	-	-
L1	PLASTIC LAMINATE ARTISAN FINISH	-	6206-43	PLANKED DELUXE PEAR	FORMICA	1.800.FORMICA
L2	PLASTIC LAMINATE CASHMERE FINISH	-	P-260 CA	TATAM SABI	ARBORITE	800.361.8712
L3	PLASTIC LAMINATE CASHMERE FINISH	-	P-354 CA	TATAM KOKOJA	ARBORITE	800.361.8712
MS1	MANUFACTURED STONE VENEER	-	DRY CREEK	STACKED STONE	ELDORADO	800.925.1491
P1	SUPERPAINT INT. LATEX SATN / PRIMER	SALES FLR. & STORAGE ROOM WALLS / DRYWALL	SW7506 LOGGIA	A87W01151	SHERWIN WILLIAMS	-
P2	SUPERPAINT INT. LATEX SATN / PRIMER	ACCENT ABOVE COOLER WALL / DRYWALL	SW6221 MOODY BLUE	A87W01153	SHERWIN WILLIAMS	-
P3	SUPERPAINT INT. LATEX SATN / PRIMER	FRONT DOOR WALL / DRYWALL	SW7598 SIERRA REDWOOD	A87W01153	SHERWIN WILLIAMS	-
P4	PRO INDUST. PRECATAL. WATERBASED EPOXY EG-SHEL. / FINISH	DOOR JAMBS / STEEL	SW7515 HOMESTEAD BROWN	B53T01154	SHERWIN WILLIAMS	-
P5	SUPERPAINT INT. LATEX SATN / PRIMER	ABOVE WALK-IN COOLER / DRYWALL	SW6395 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 DRYWALL	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	AC TRUCK LINES - PRIMER	WHITE	B66W0310	SHERWIN WILLIAMS	-
P11	PRO INDUSTRIAL URETHANE ALKYD ENAMEL GLOSS / FINISH	AC TRUCK LINES - FINISH	WHITE	K46W01151	SHERWIN WILLIAMS	-
	M-1 ADVANCED MILDEW TREATMENT		CLEAR	78908M	SHERWIN WILLIAMS	-
SS1	1/2" SOLID SURFACING	-	SERENE SAGE	TERRA	CORAN	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	0093 FIREBROK	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" FIRED BRICK 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 QT01	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 114"	SCHLUTER SYSTEMS	1.800.472.4588
		ALL HIGH ABUSE CORNERS W/ TILE	SATIN NICKEL / ANODIZED ALUM	RONDEC 114"	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 THE ARE TO HAVE BLUE LED HALO LIGHTING PLACED BEHIND EACH INDIVIDUAL CIRCLE.
9D	ICE WALL GRAPHIC: IS TO BE A DIGITALLY PRINTED WALL GRAPHIC WRAP TO BE APPLIED TO THE INTERIOR WALLS OF THE BEER CAVE. MAKE SURE ALL ASSEMBLY ELEMENTS ARE ADAPTABLE FOR CONSTANT COLD TEMPERATURES.

**GENERAL NOTES**

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

**INTERIOR FINISH NOTES**

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

**EXTERIOR FINISH NOTES**

- PROVIDE MATERIAL COLOR & FINISH SAMPLES FOR APPROVAL (BY OWNER)
- PROVIDE LOW WEEP VENTS IN VENEER MASONRY, 24" O.C. MAX. USE 3/8" HONEYCOMB VENT
- MASONRY EXPANSION JOINTS: PROVIDE SANDED SEALANT (MATCH MORTAR) W/ COMPRESSIBLE BACKER. SEALANT TO COMPLY W/ ASTM C290, CLASS 50 SPECIFICATIONS.
- SIGNAGE: COORDINATE SIGN SIZE, POWER REQUIREMENTS, AND LAYOUT WITH SUPPLIER PRIOR TO INSTALLATION OF STOREFRONT.
- CANOPY: REFER TO STRUCTURAL FOR REQUIRED LOADING, CANOPY & DOWNSPOUTS SHOWN FOR REFERENCE. FINAL DESIGN & DETAILING BY CANOPY SUPPLIER. SUBMIT TO OWNER FOR APPROVAL.
- ALL DOWNSPOUTS TO BE SLEEVED AND ROUTED BELOW GRADE. COORDINATE WITH CIVIL FOR COLLECTION AND MANAGEMENT OF WATER ON SITE.
- GUTTERS SHALL BE TESTED FOR LEAKS BY DAMNING ALL DOWNSPOUTS AND FILLING GUTTERS WITH 2" (APPROX.) OF WATER.
- REFER TO FINISH SCHEDULE FOR HM DOOR AND FRAME PAINT COLORS.
- BOTTOM ALUMINUM SILL SHALL MEASURE 4-13/16" INSTEAD OF 2-1/4". THIS IS TO ALLOW THE TILE ON THE RAISED FLOOR TO BUTT UP AGAINST THE SILL INSTEAD OF HAVING A TILE/GAP ISSUE.

ALUMINUM STOREFRONT: AS MANUFACTURED BY TRULITE  
2" X 4-1/2" THERMALLY BROKEN, DARK BRONZE ANODIZED, CENTER GLAZED

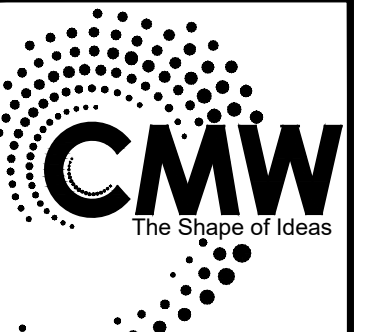
INSULATED GLASS:  
1" INSULATED, SOLAR BRONZE, (HEAT STRENGTHENED) OVER GUARDIAN SUNGUARD SN-68". FULLY TEMPERED BOTH LIGHTS AS REQUIRED BY CODE.

INSULATED PANELS:  
1" INSULATED, DARK BRONZE, "CITADEL GLAZEQUARD 1000 WR", - PRE-FINISHED TEXTURED ALUMINUM SKINS .010", HIGH DENSITY POLYPROPYLENE STABILIZERS, EXPANDED POLYSTYRENE FOAM (EPS) CORE 5/8"

**GRAPHICS SCHEDULE / DESCRIPTION NOTES**

CONTACT PARAGON FOR ORIGINAL ARTWORK

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



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**SCHEDULES**  
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**NEWCOMB OIL CO., LLC**  
2310 LONE OAK RD.  
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**CONSTRUCTION DOCUMENTS**

Issue Date: April 19, 2024  
Drawn By: JMT  
Checked By: BP

Revisions:	Mark	Date
-	-	-
-	-	-
-	-	-
-	-	-

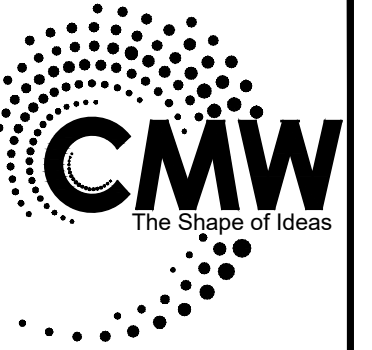
AHJ SEAL

Project Number  
**24013.01**

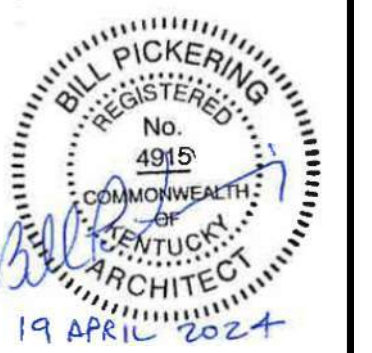
**A3.04**

# GENERAL NOTES

A. REFER TO SHEETS A1.01 AND A2.01 'GENERAL NOTES'



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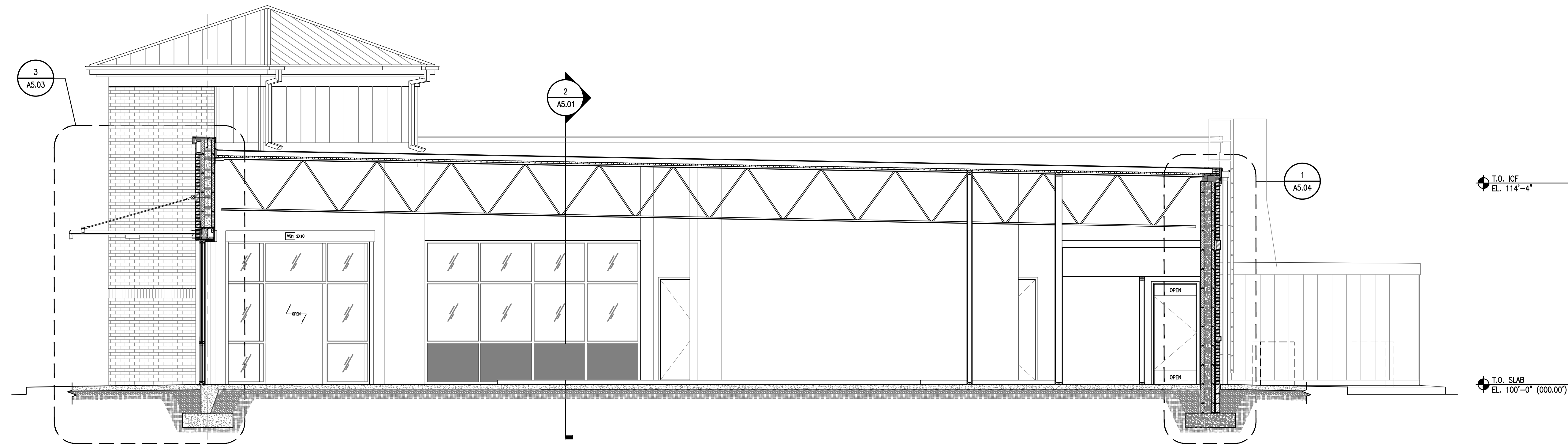
**BUILDING SECTIONS**  
FiveStar #7624 - Paducah  
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### CONSTRUCTION DOCUMENTS

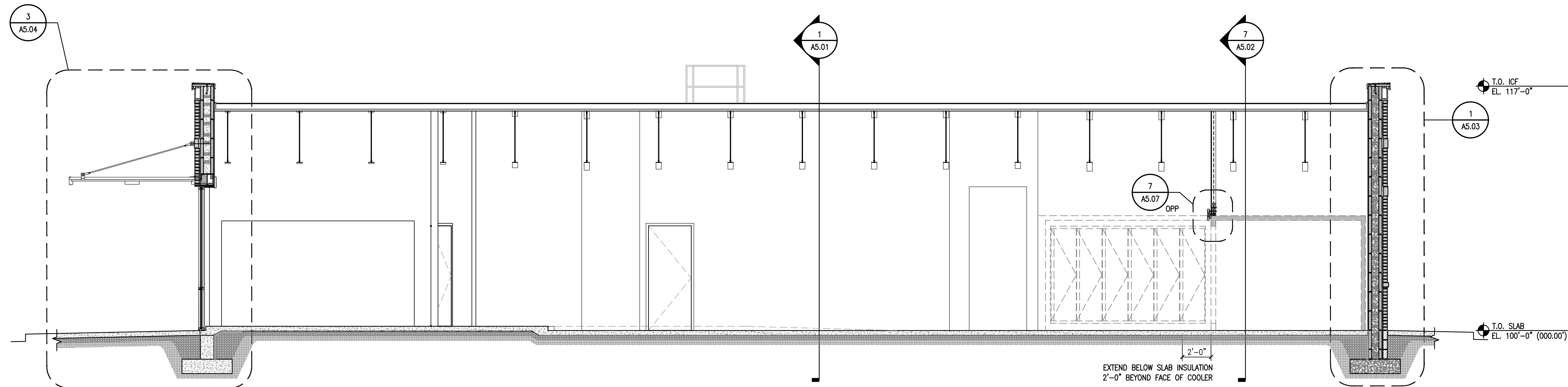
Issue Date:	April 19, 2024
Drawn By:	JMT
Checked By:	BP
Revisions:	
Mark	Date
AHJ SEAL	

Project Number  
**24013.01**

**A5.01**



**1** BUILDING SECTION  
A5.01 1/4" = 1'-0"

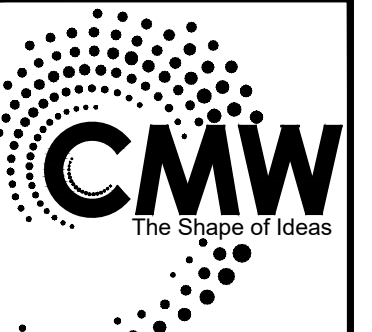


**2** BUILDING SECTION  
A5.01 1/4" = 1'-0"

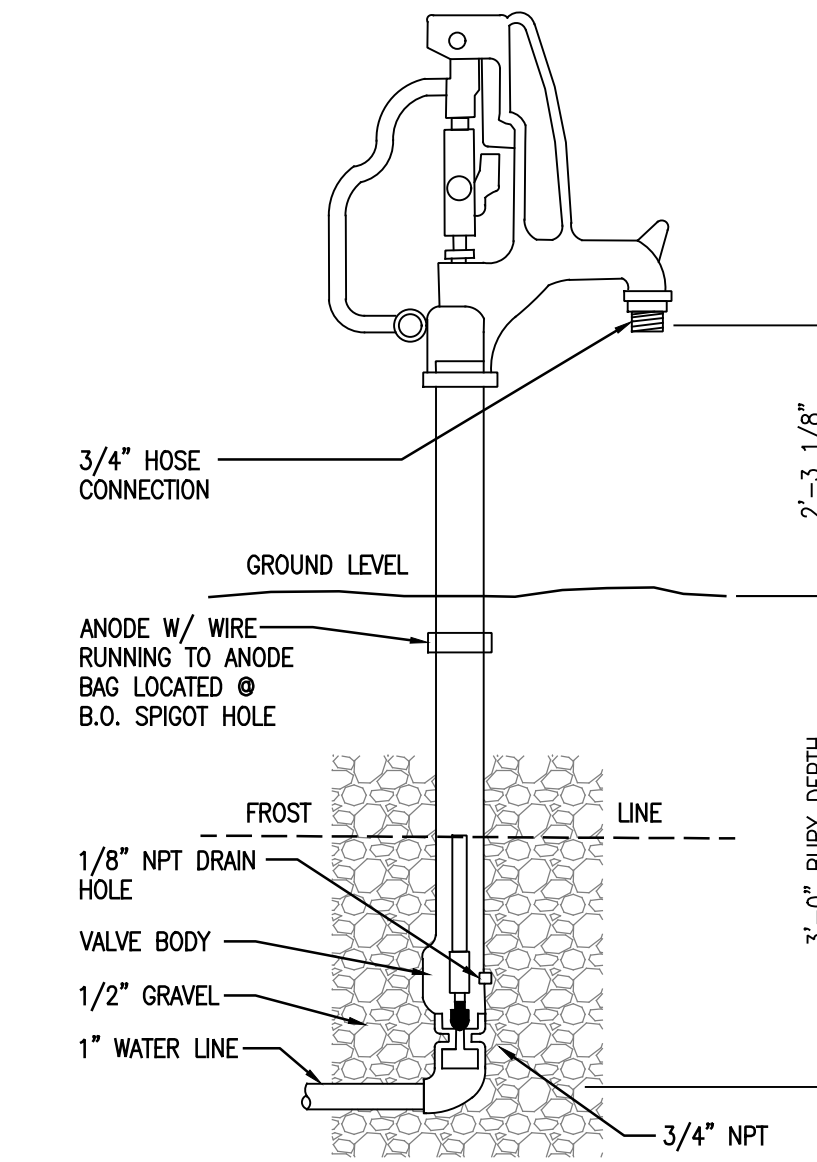
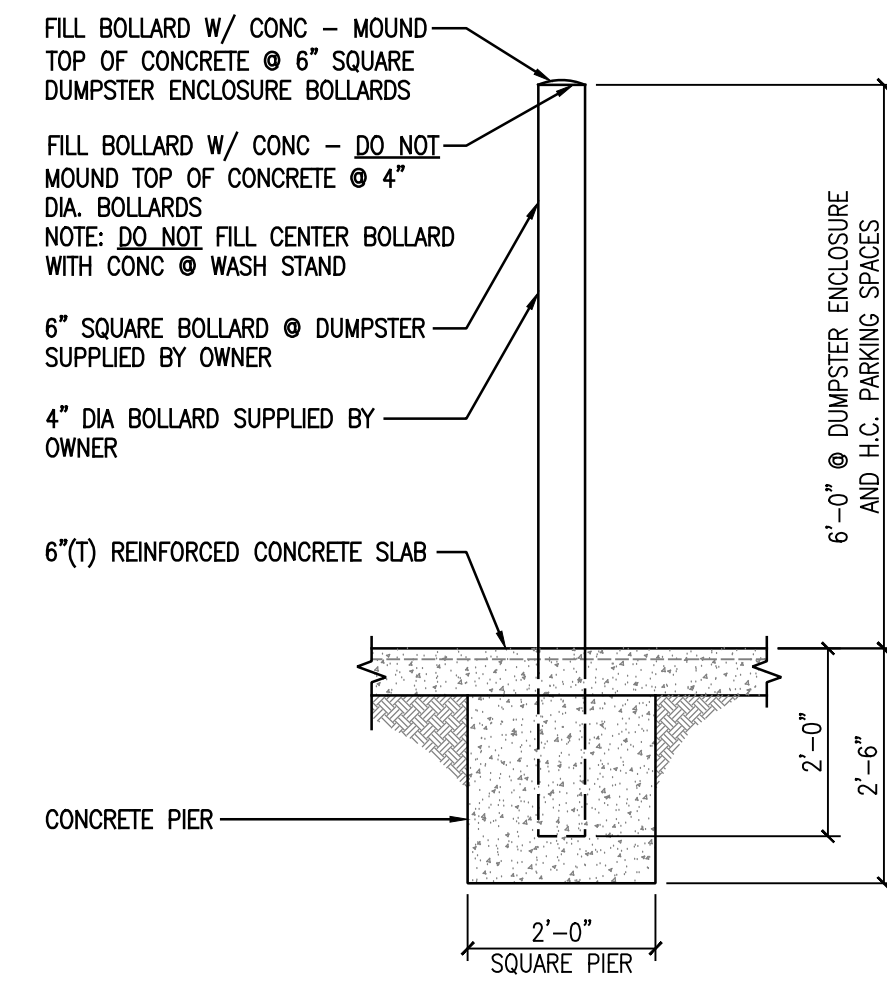
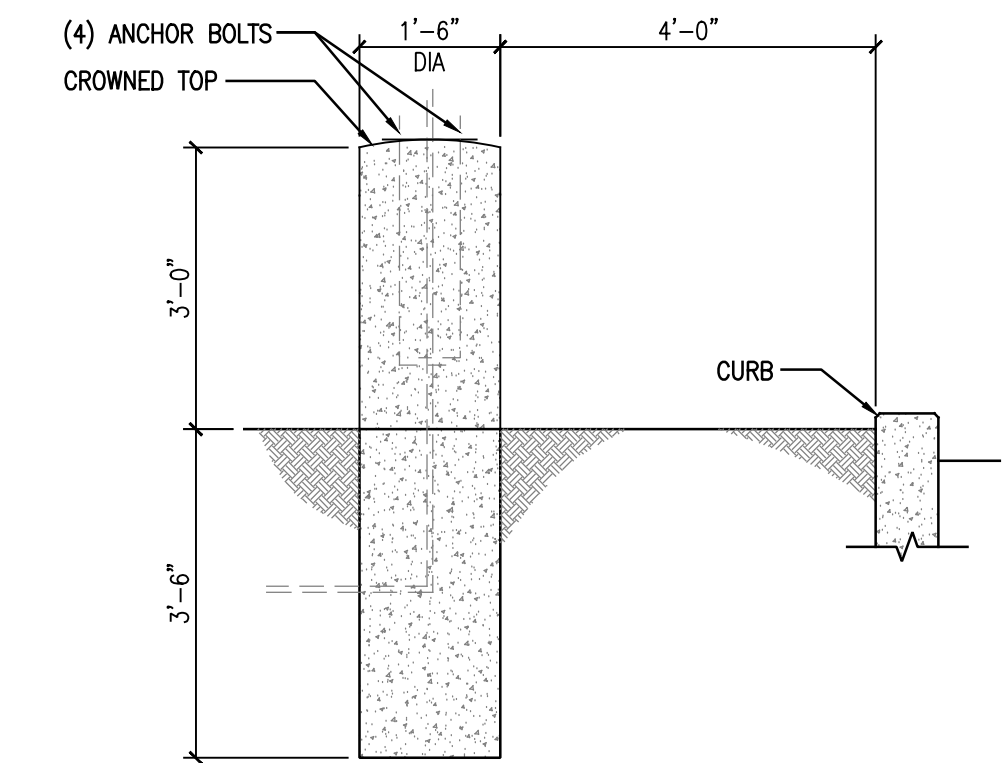
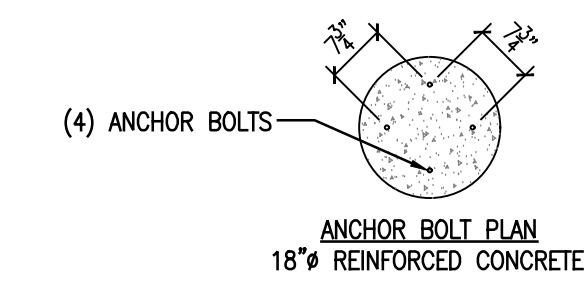
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# GENERAL NOTES

A. REFER TO SHEETS A1.01 AND A2.01 'GENERAL NOTES'



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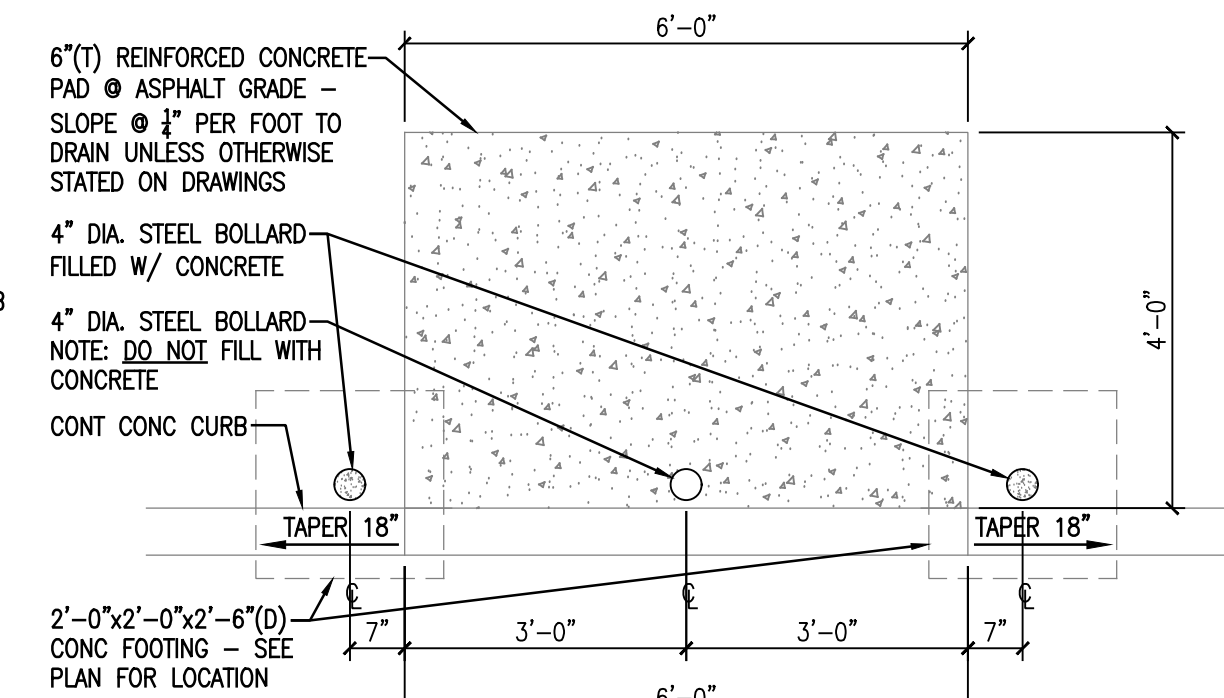
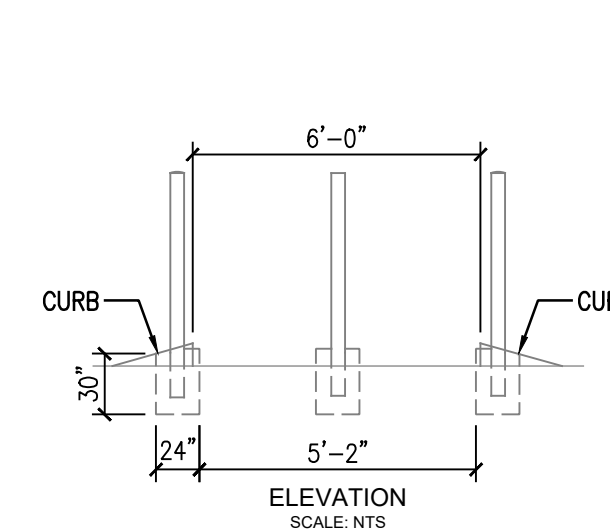
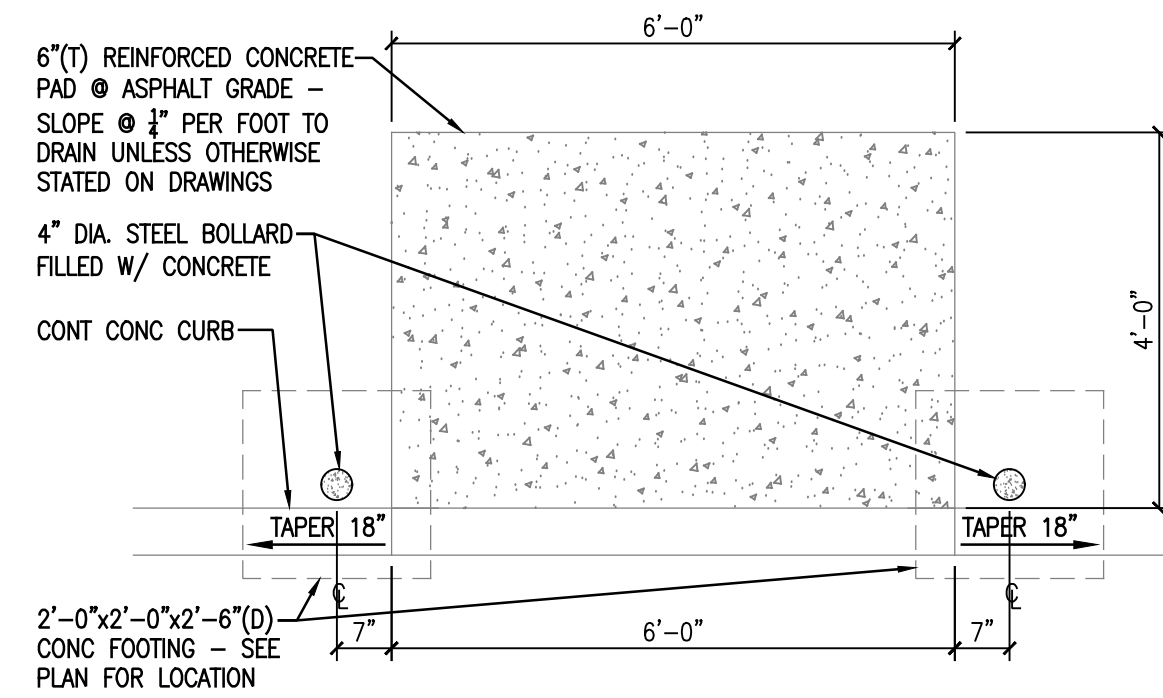
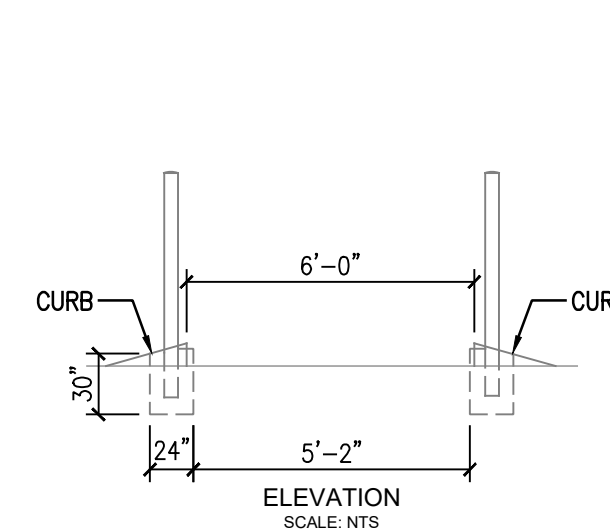


2 TYPICAL PIPE BOLLARD DETAIL  
A5.02 1/2" = 1'-0"

3 TYPICAL YARD SPIGOT  
A5.02 N.T.S.

4 NOT USED  
A5.02 1/2" = 1'-0"

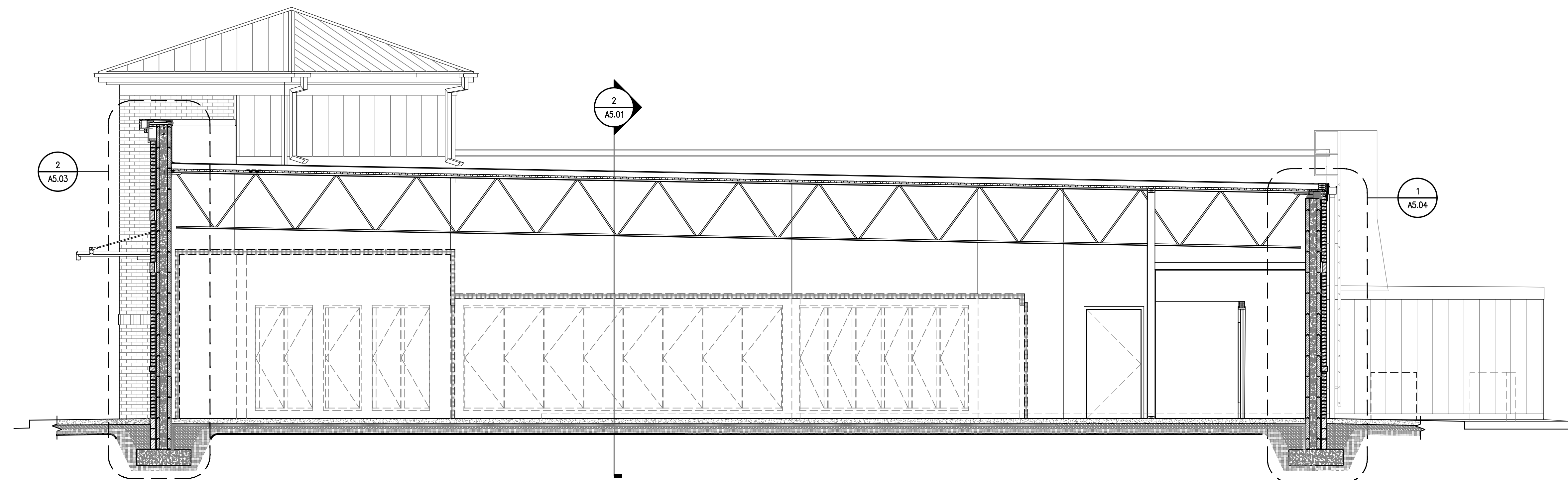
5 TYPICAL LIGHT POLE DETAIL  
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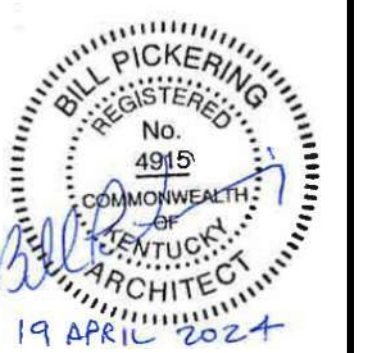
6 AIR & WATER CONCRETE PAD  
A5.02 1/2" = 1'-0"

8 WASH STAND  
A5.02 1/2" = 1'-0"

1 NOT USED  
A5.02 3/8" = 1'-0"



7 BUILDING SECTION  
A5.02 1/4" = 1'-0"



BUILDING SECTIONS / DUMPSTER ENCLOSURE

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Project Number  
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A5.02



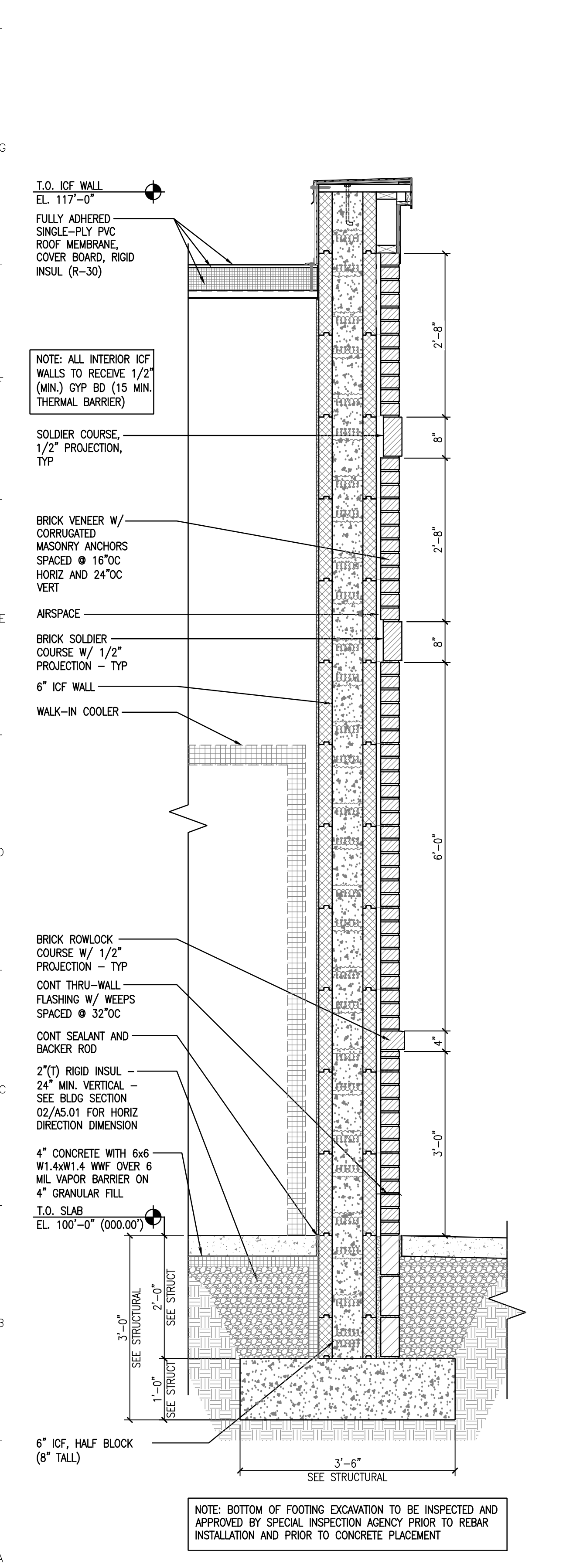
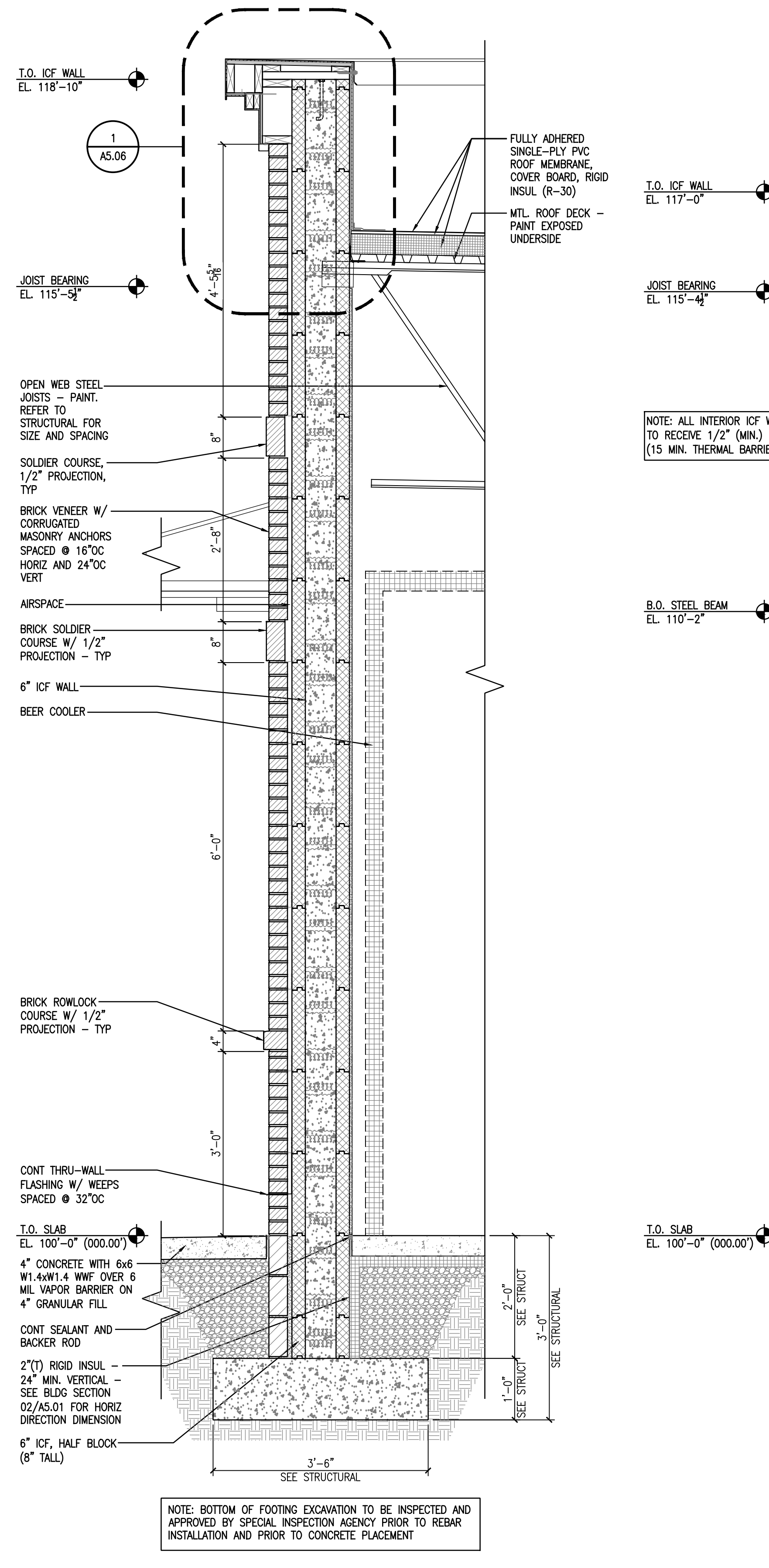
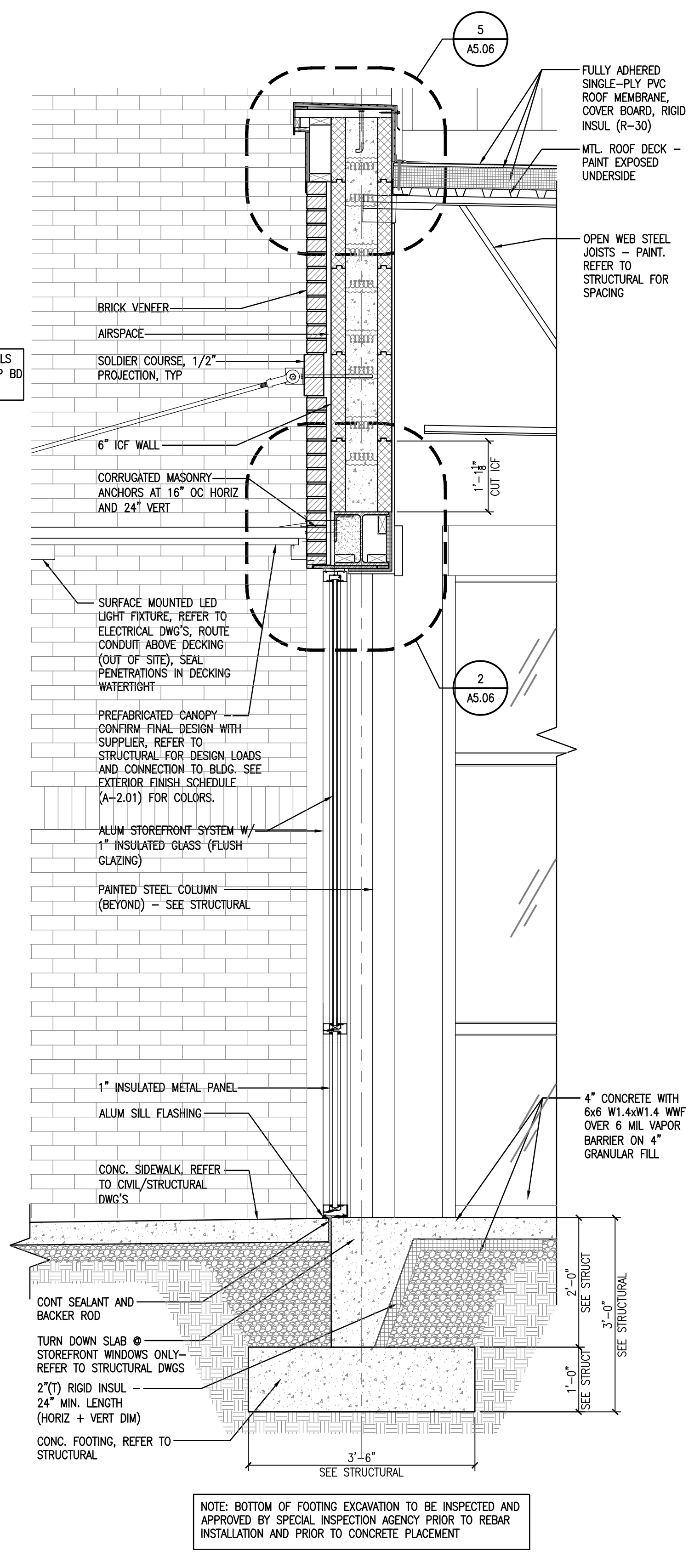
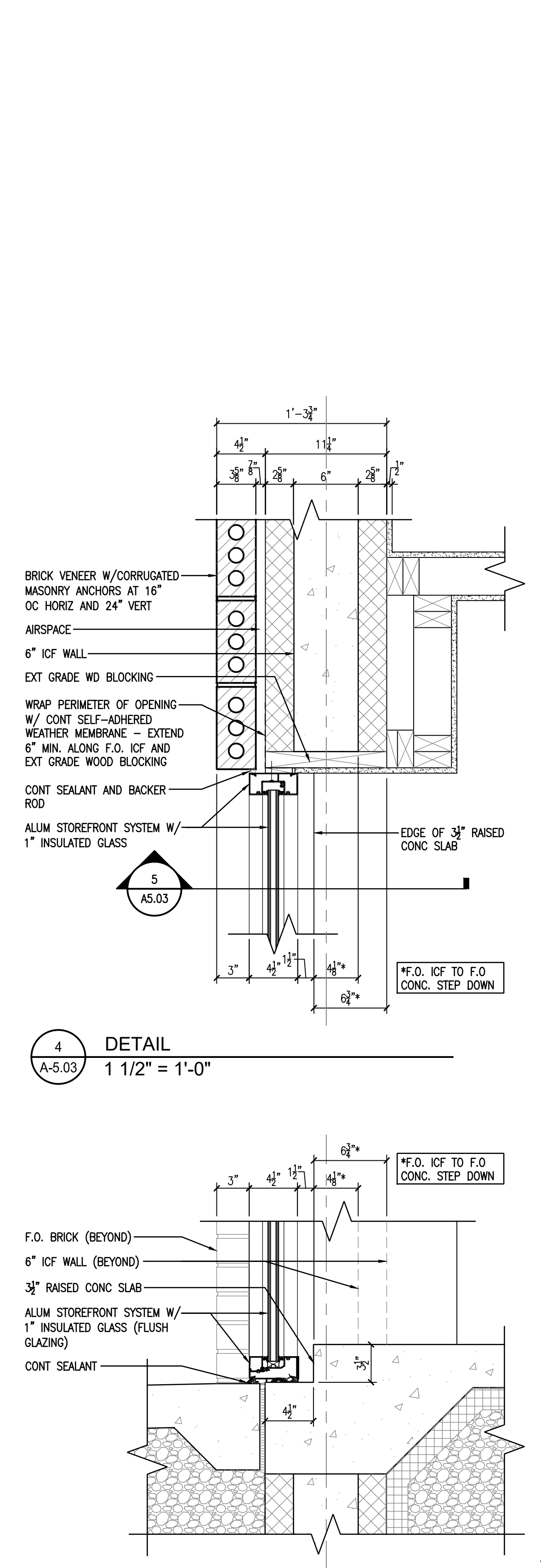
**WALL SECTIONS**  
FiveStar #7624 - Paducah  
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AHJ SEAL	

Project Number  
**24013.01**

**A5.03**



1 WALL SECTION  
A-5.03 3/4" = 1'-0"

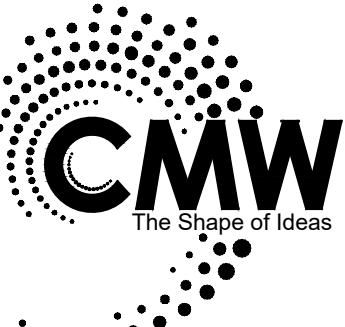
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A-5.03 3/4" = 1'-0"

3 WALL SECTION  
A-5.03 3/4" = 1'-0"

4 WALL SECTION  
A-5.03 1 1/2" = 1'-0"

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

Xrefs: 306245101\_Rev0001 A-5.03.01\_050001 A-5.03.02\_050001 A-5.03.03\_050001 A-5.03.04\_050001 A-5.03.05\_050001  
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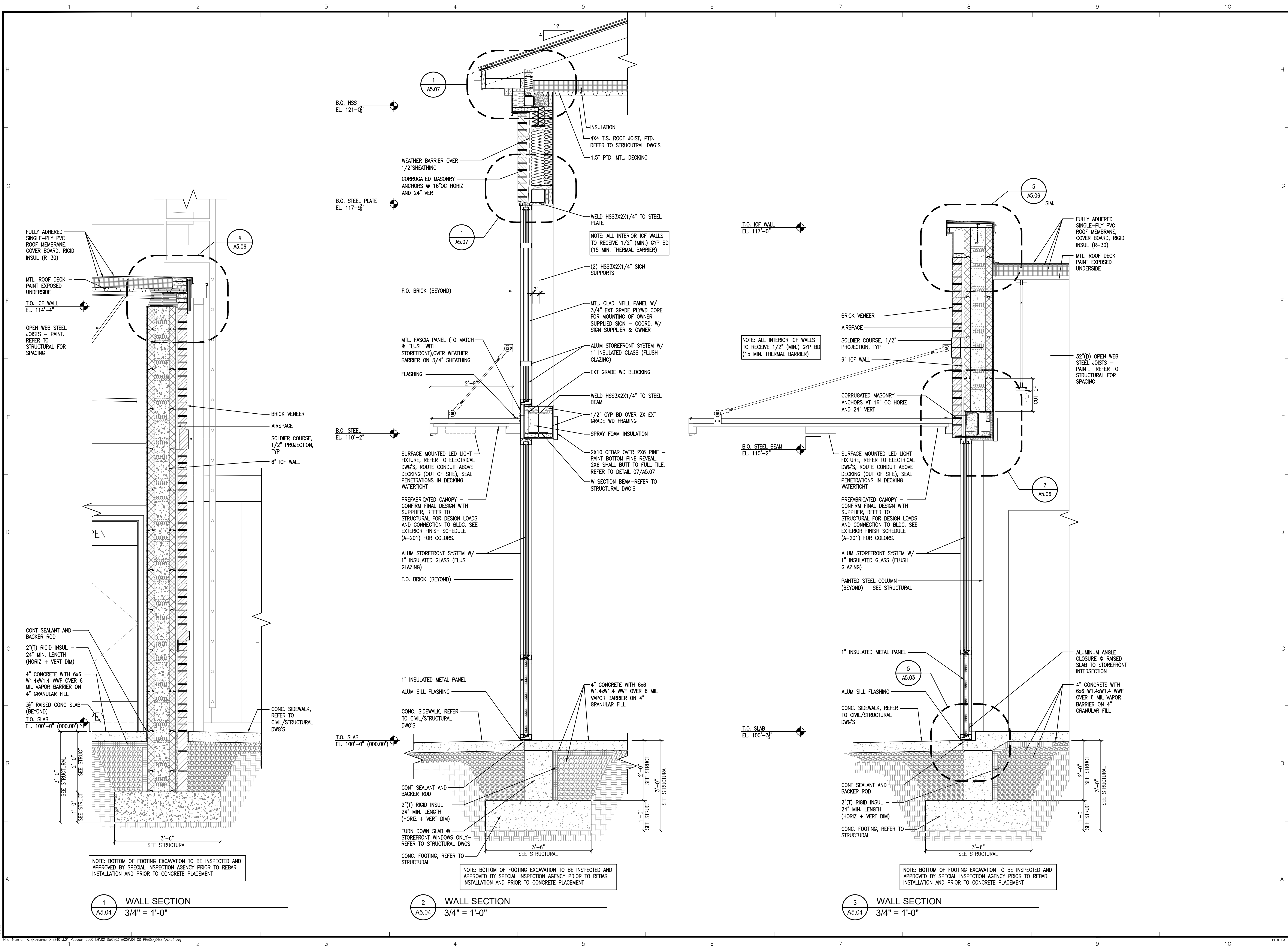
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Mark	Date

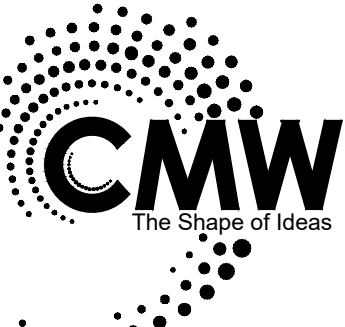
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Project Number  
**24013.01**

**A5.04**



File Name: C:\Newcomb Oil\24013.01 Paducah 8500 LH\02 DWG\03 ARCH\04 CP PHASE\SHEET\A5.04.dwg



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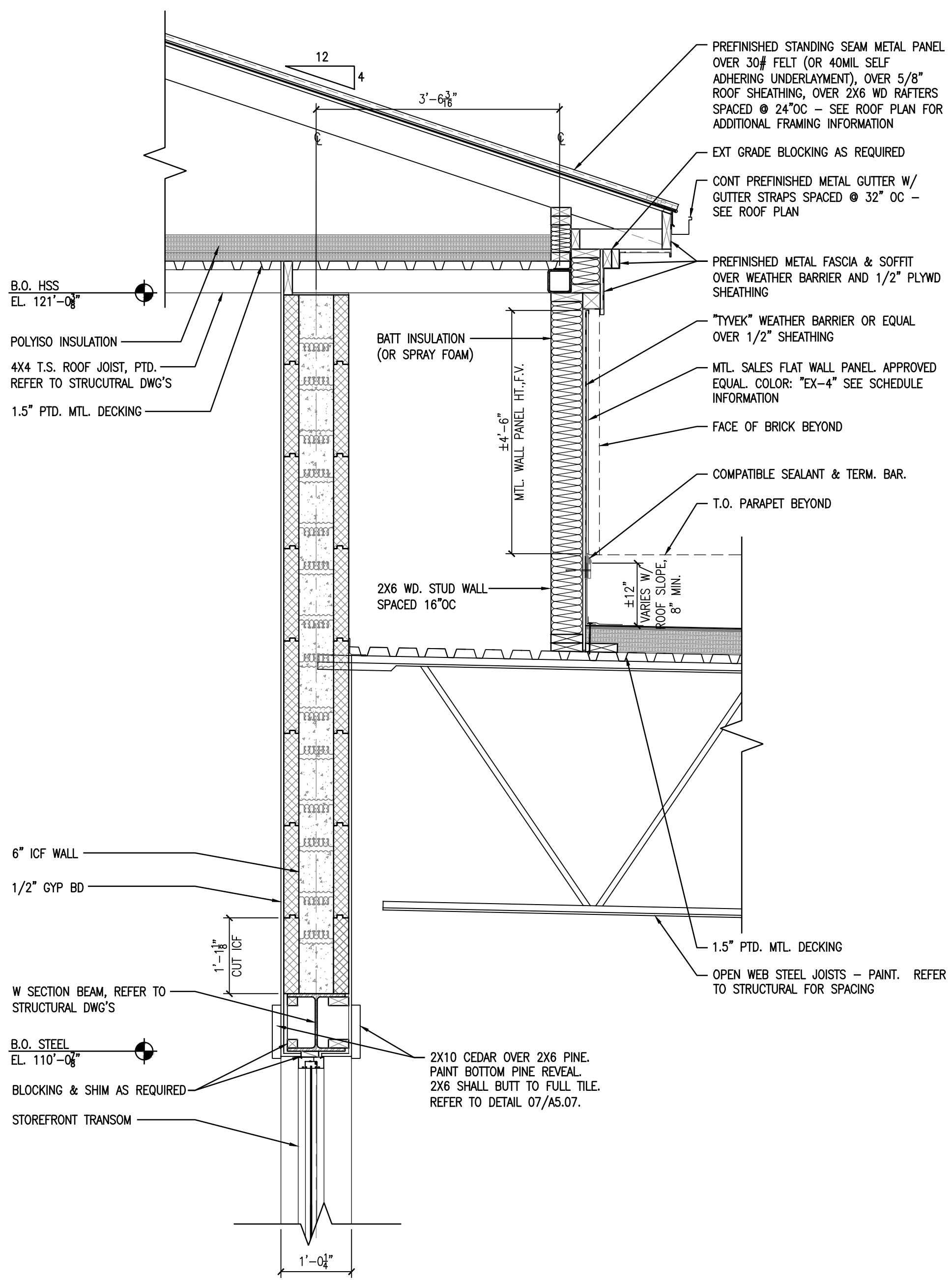
**WALL SECTIONS AND DETAILS**  
FiveStar #7624 - Paducah  
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**CONSTRUCTION DOCUMENTS**

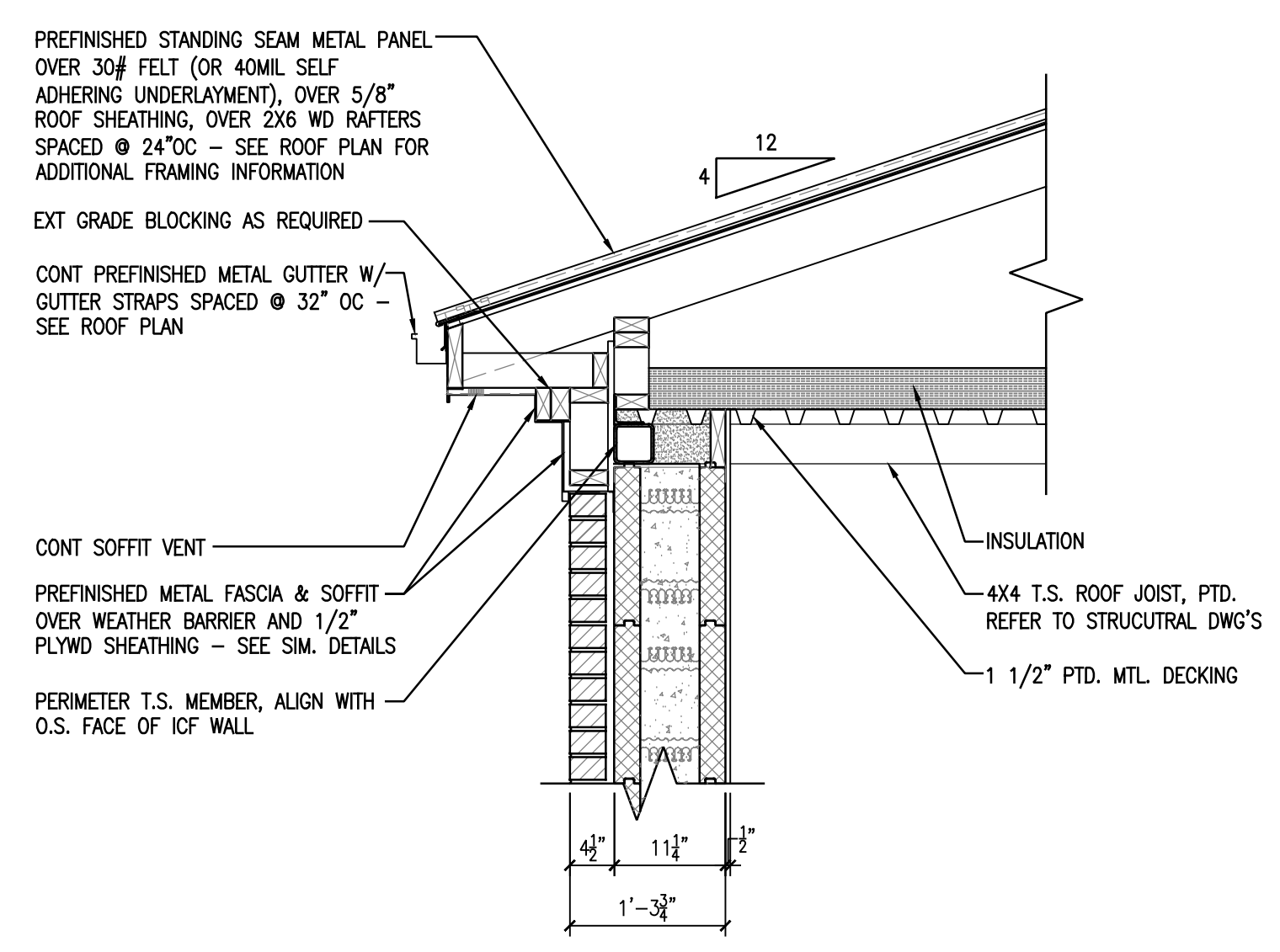
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Project Number  
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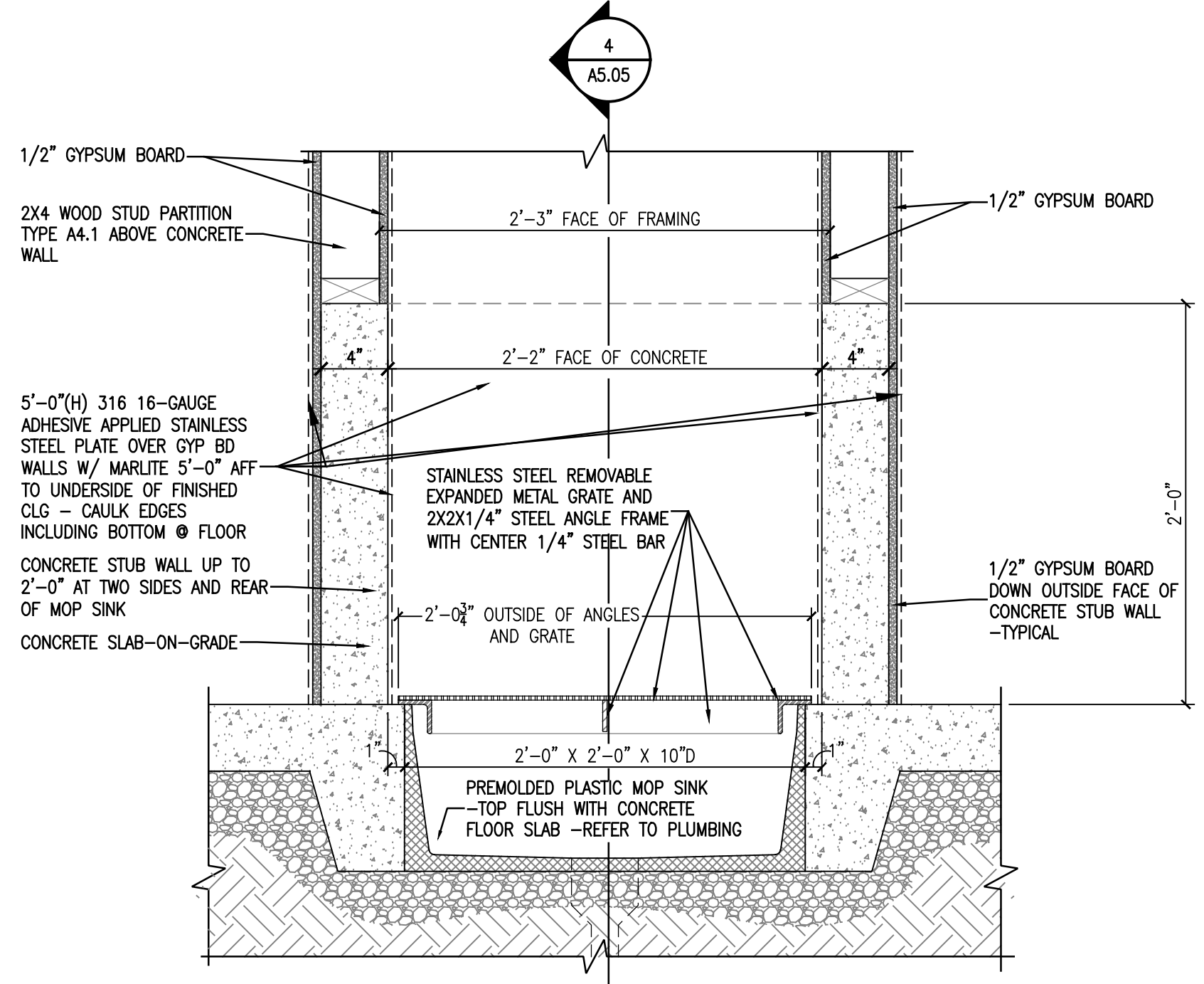
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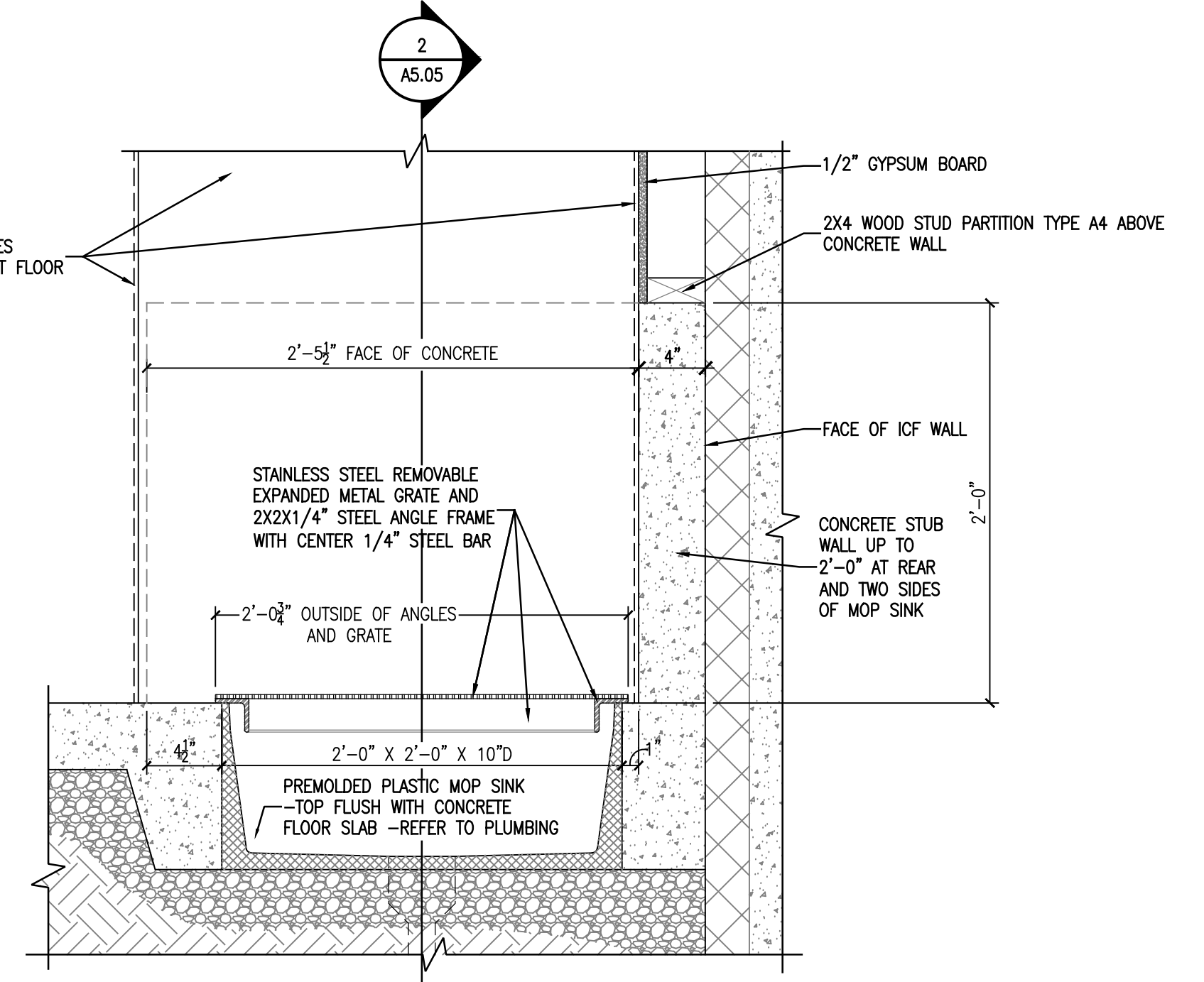
**1 WALL SECTION**  
A5.05 3/4" = 1'-0"



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



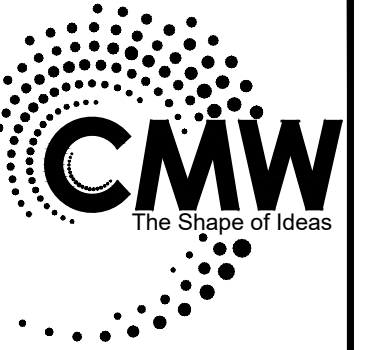
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A5.05 1 1/2" = 1'-0"



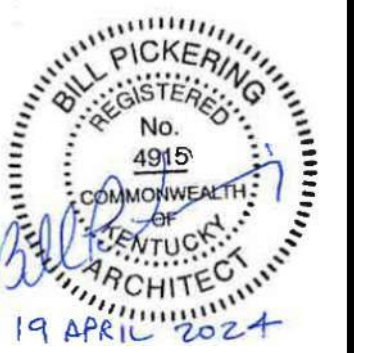
**4 SECTION - FLOOR MOP SINK**  
A5.05 1 1/2" = 1'-0"

Xref: 20070417\_Rev0001





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**ENLARGED DETAILS**  
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**CONSTRUCTION DOCUMENTS**

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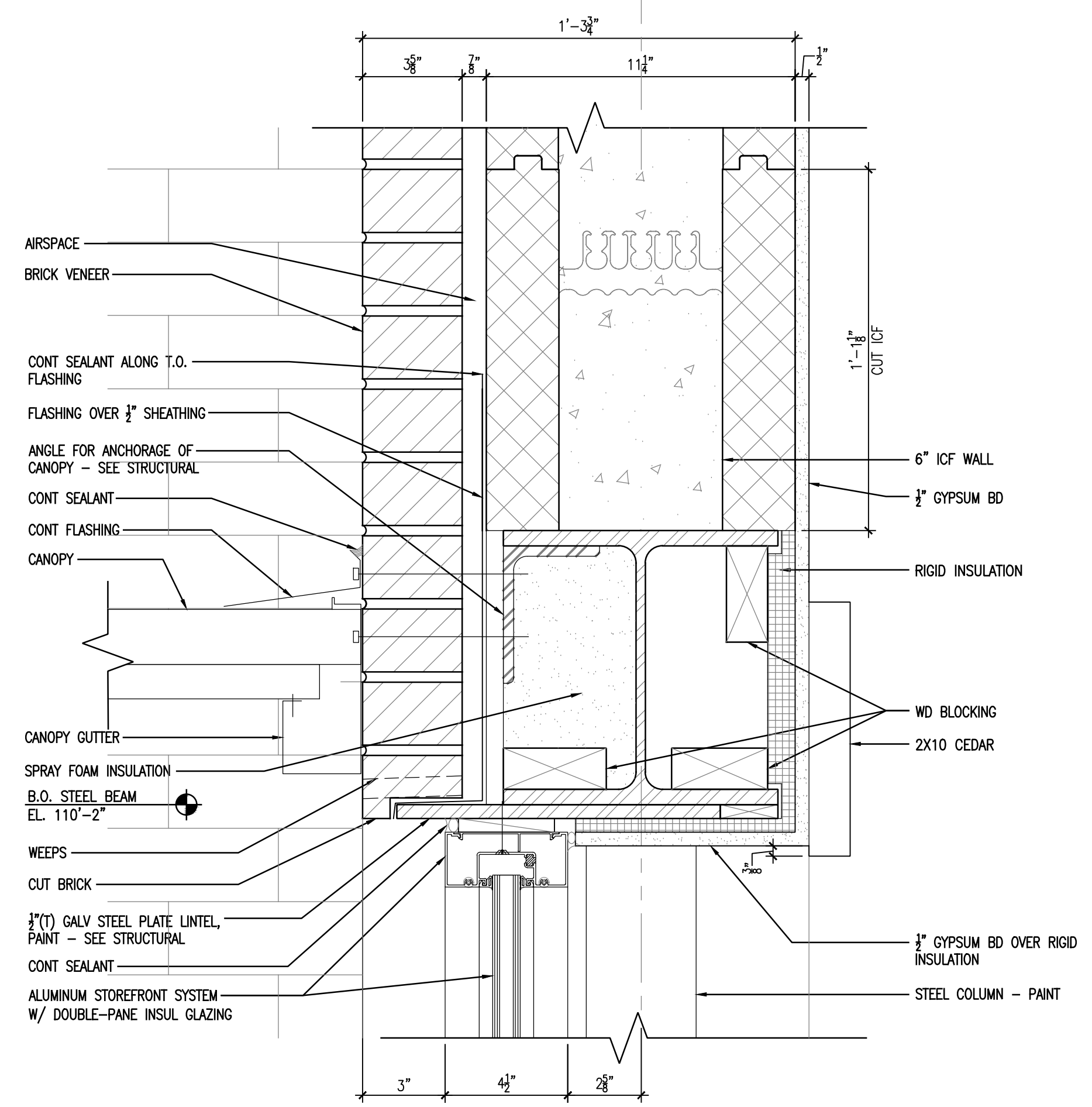
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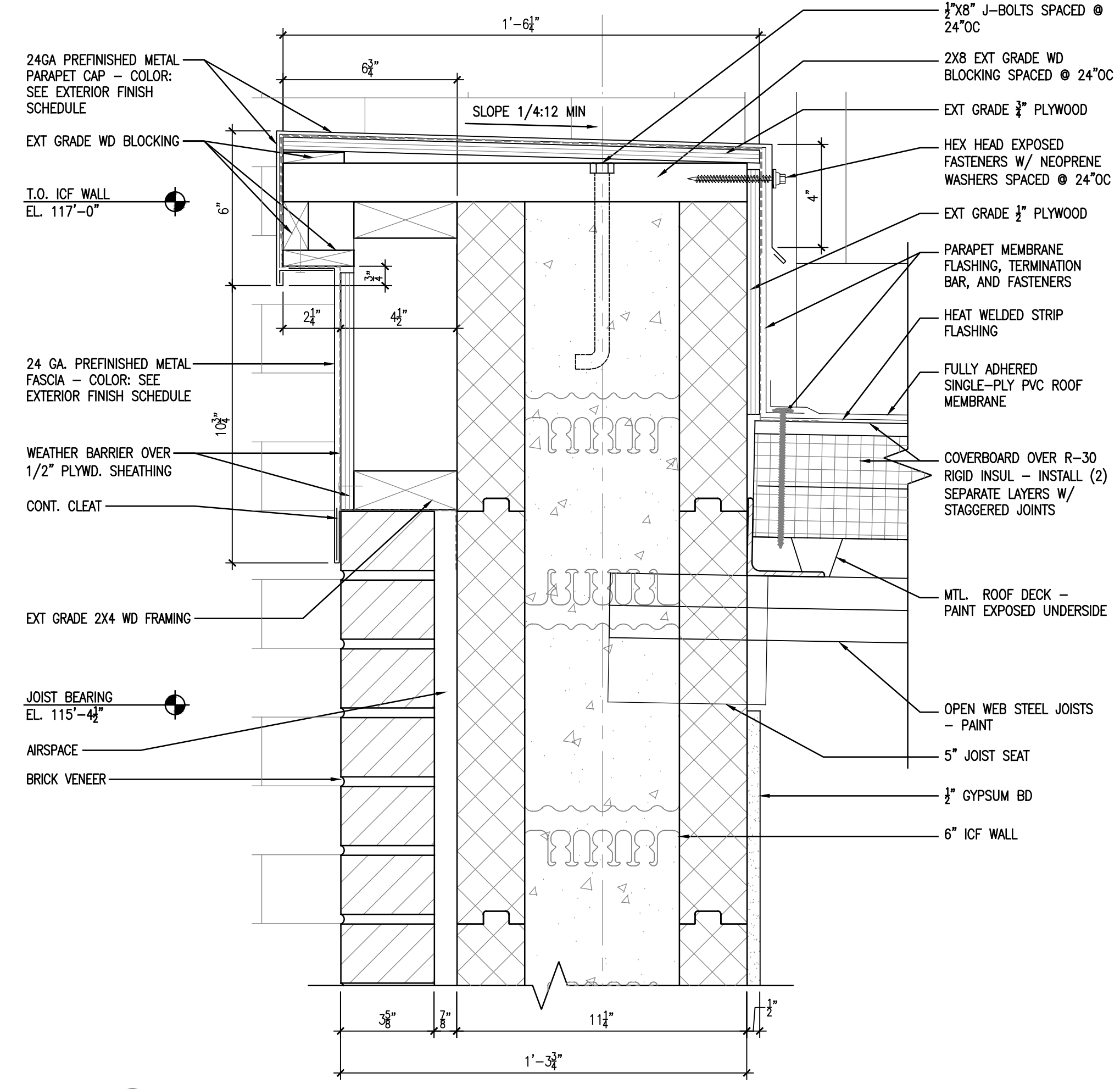
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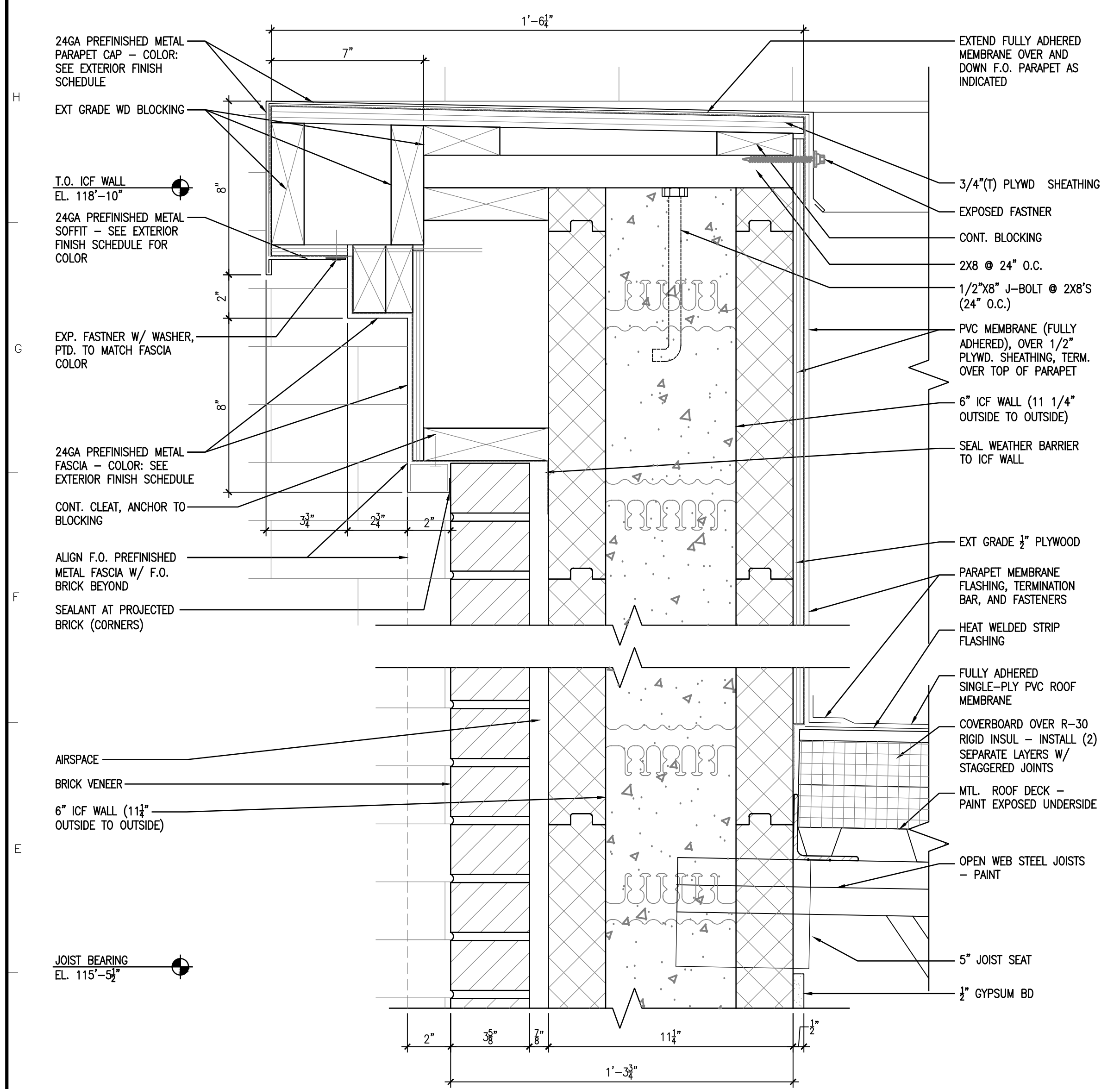
**A5.06**



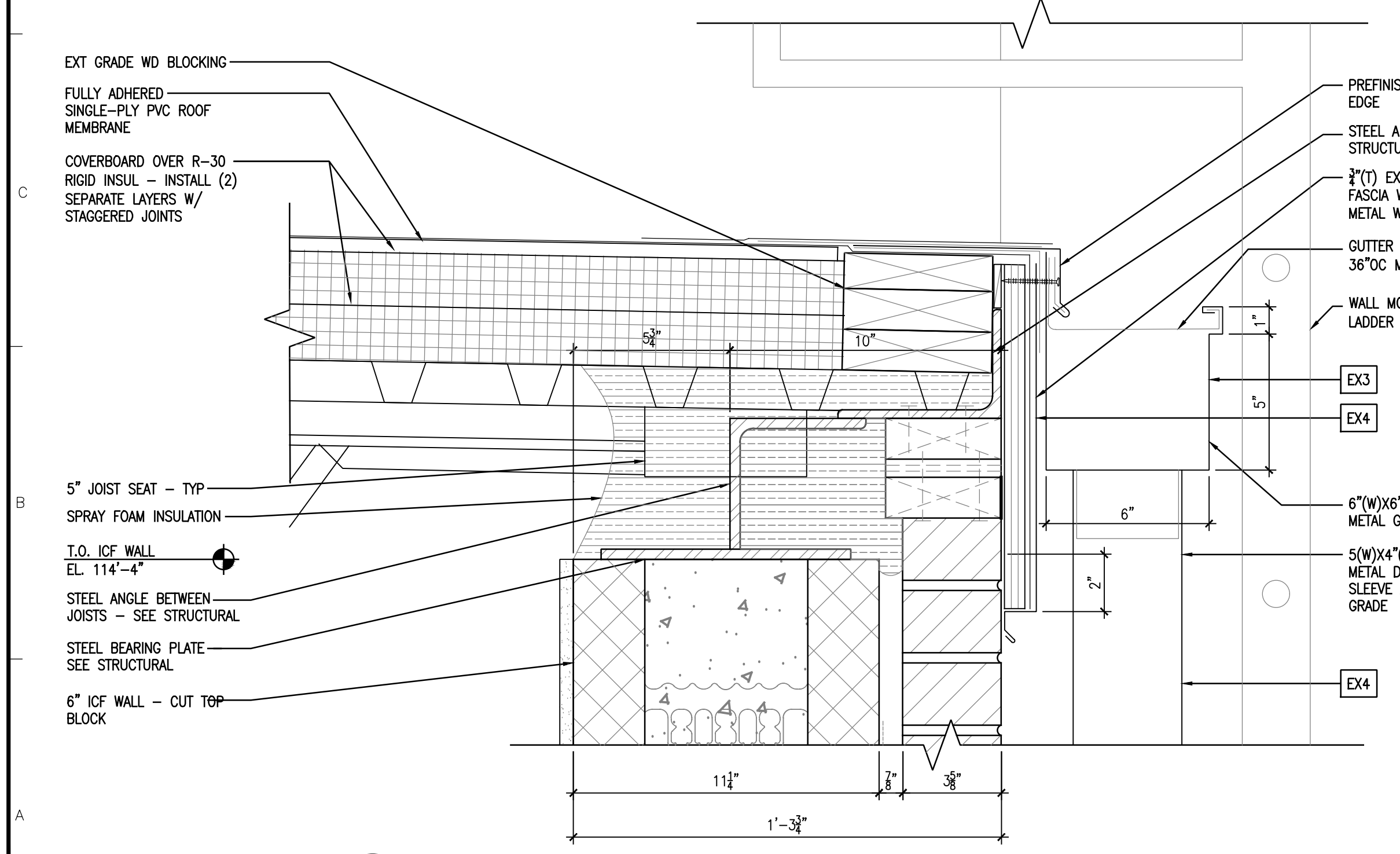
**2**  
A5.06 **ENLARGED DETAIL**  
3" = 1'-0"



**5**  
A5.06 **PARAPET DETAIL**  
3" = 1'-0"

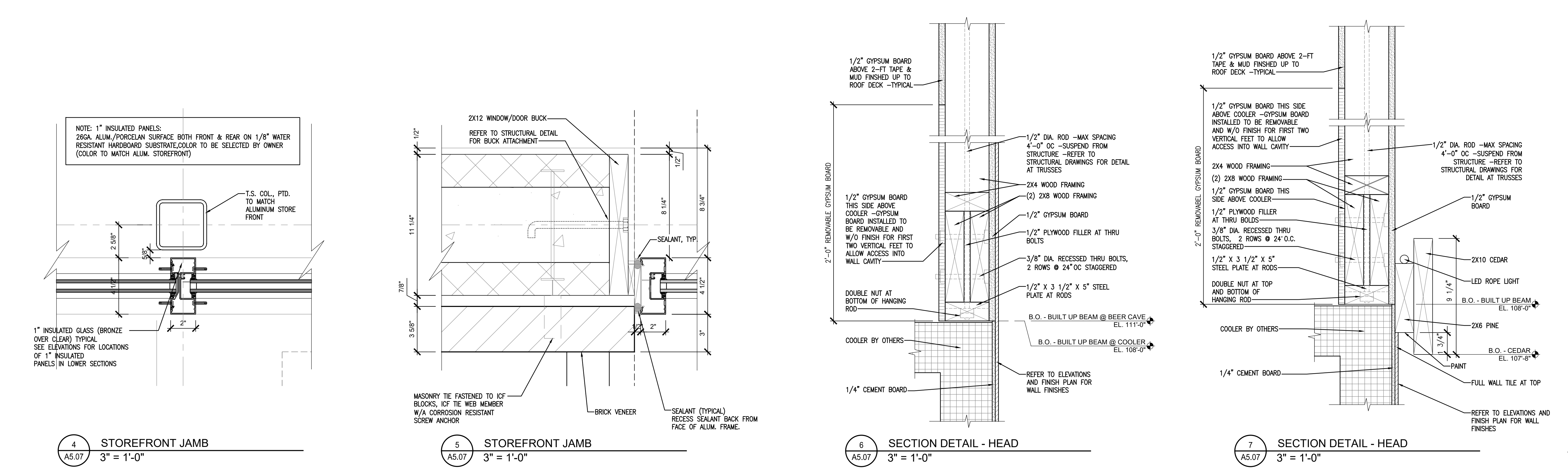
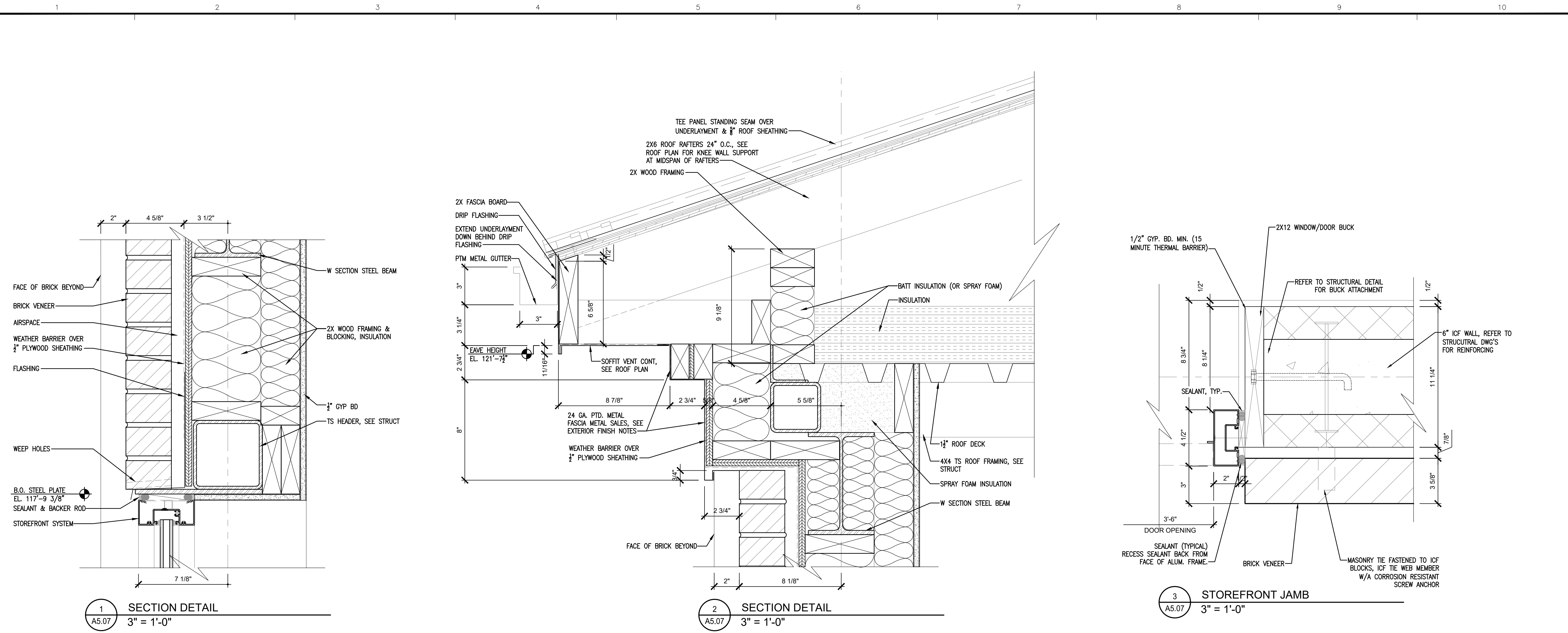


**1**  
A5.06 **ROOF DETAIL**  
3" = 1'-0"

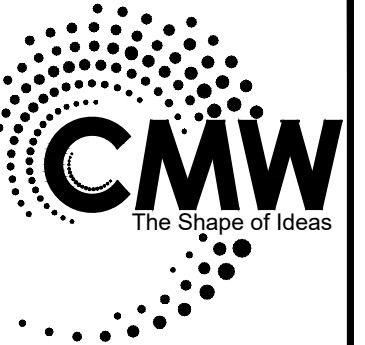


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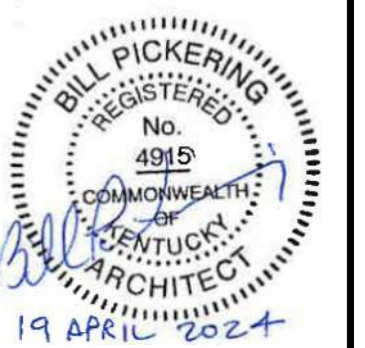
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WALK-IN COOLER / FREEZER SECTIONS AND DETAILS

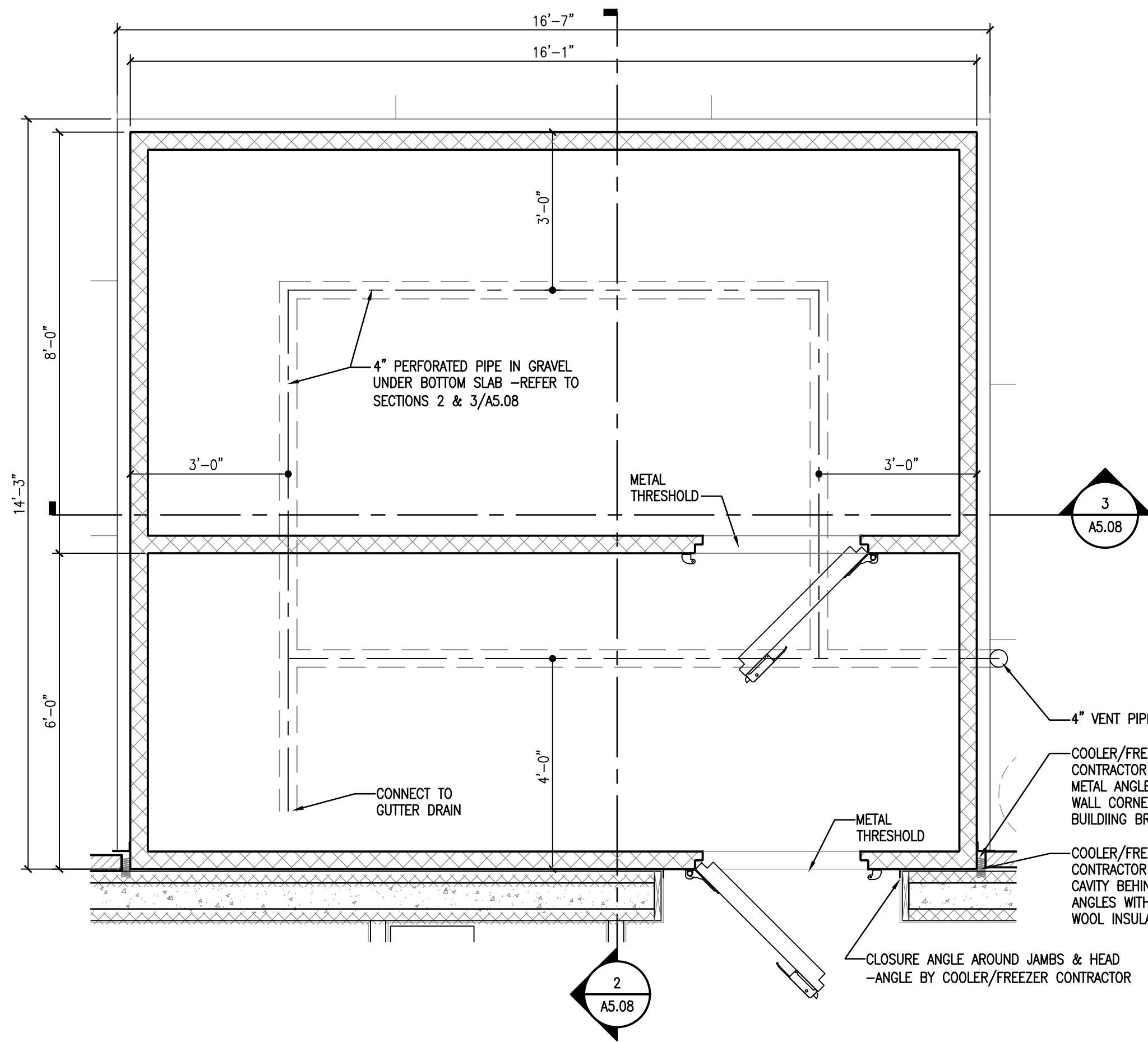
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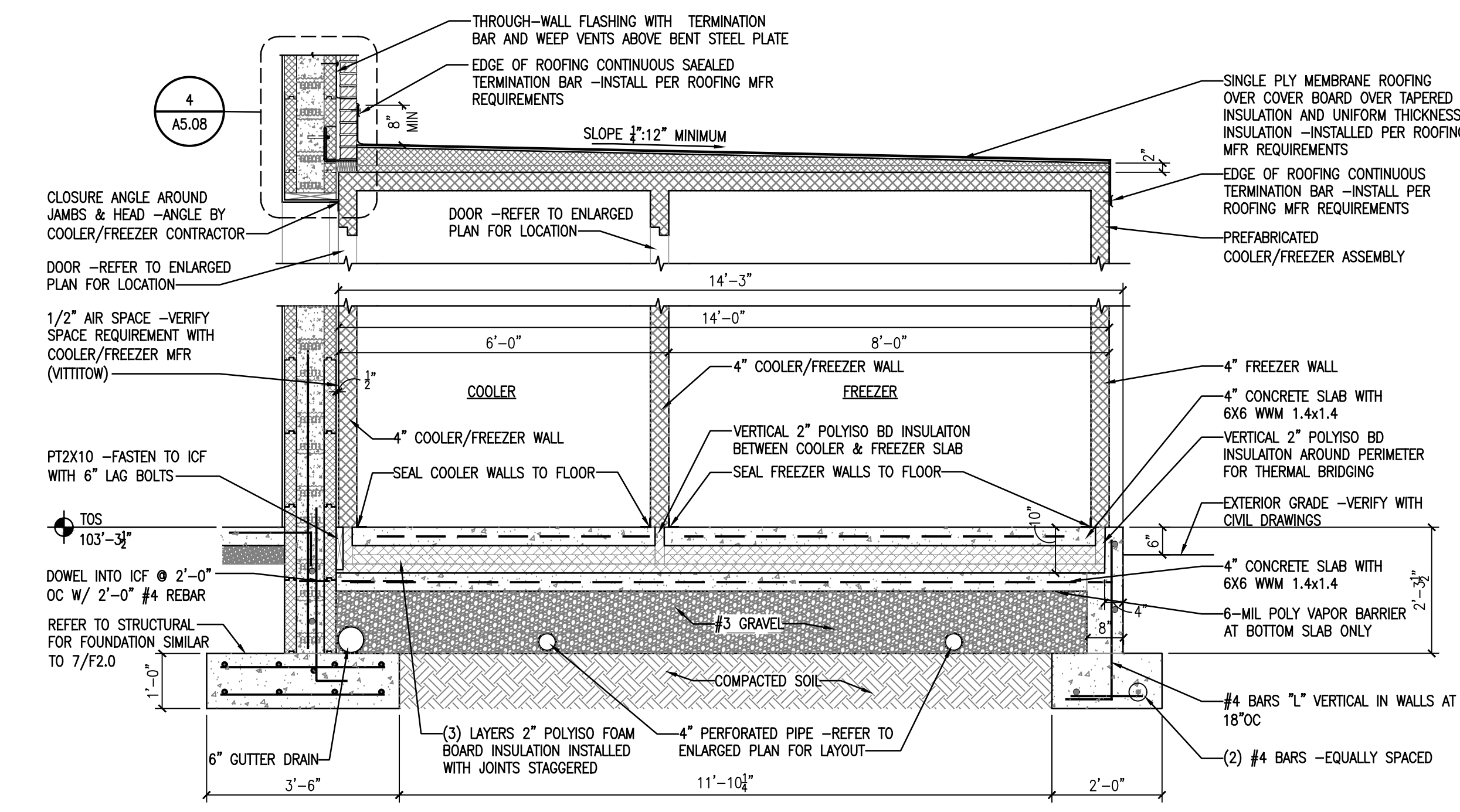
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Drawn By:	JMT
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Mark	Date
AHJ SEAL	

Project Number  
**24013.01**

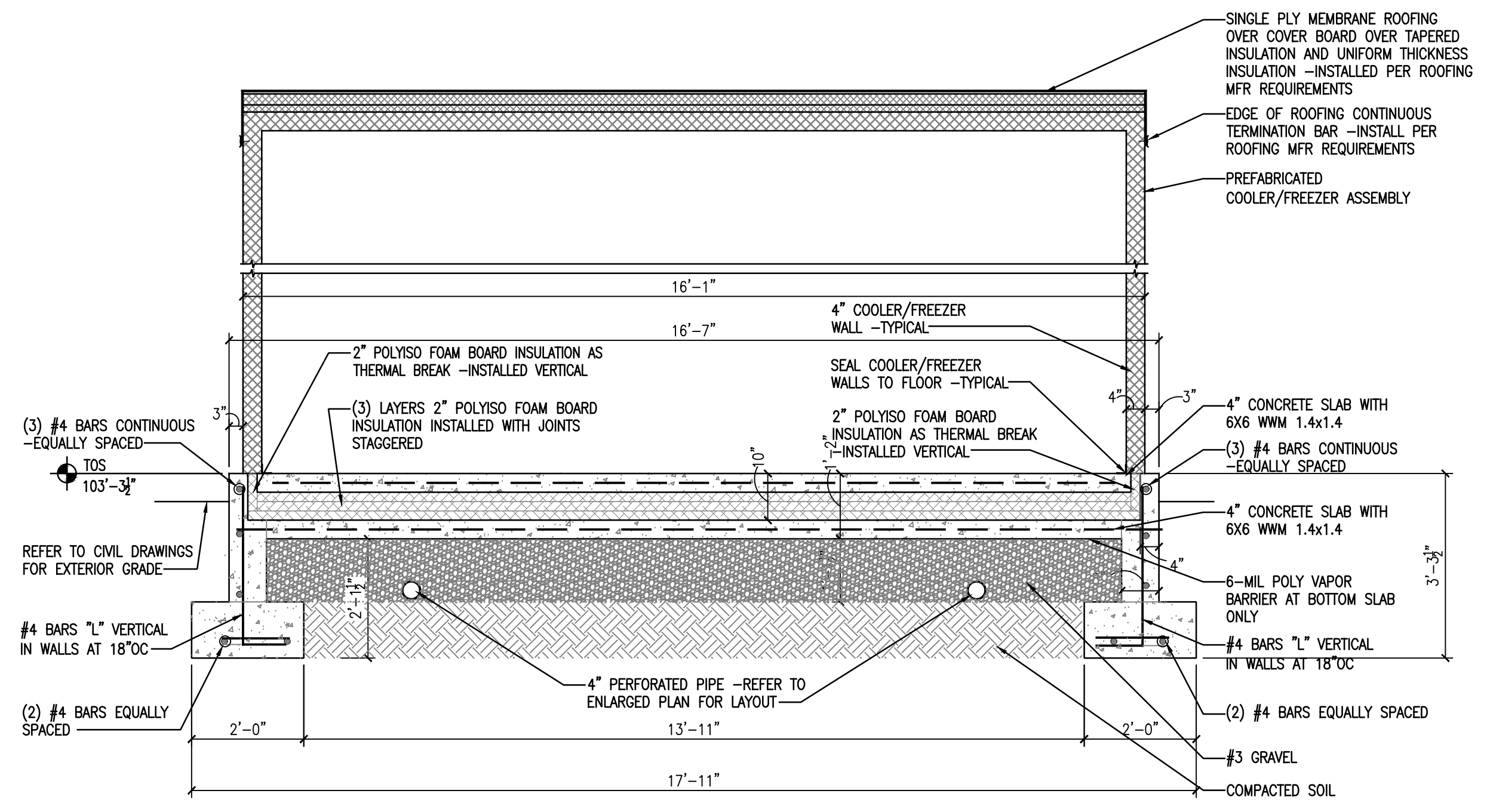
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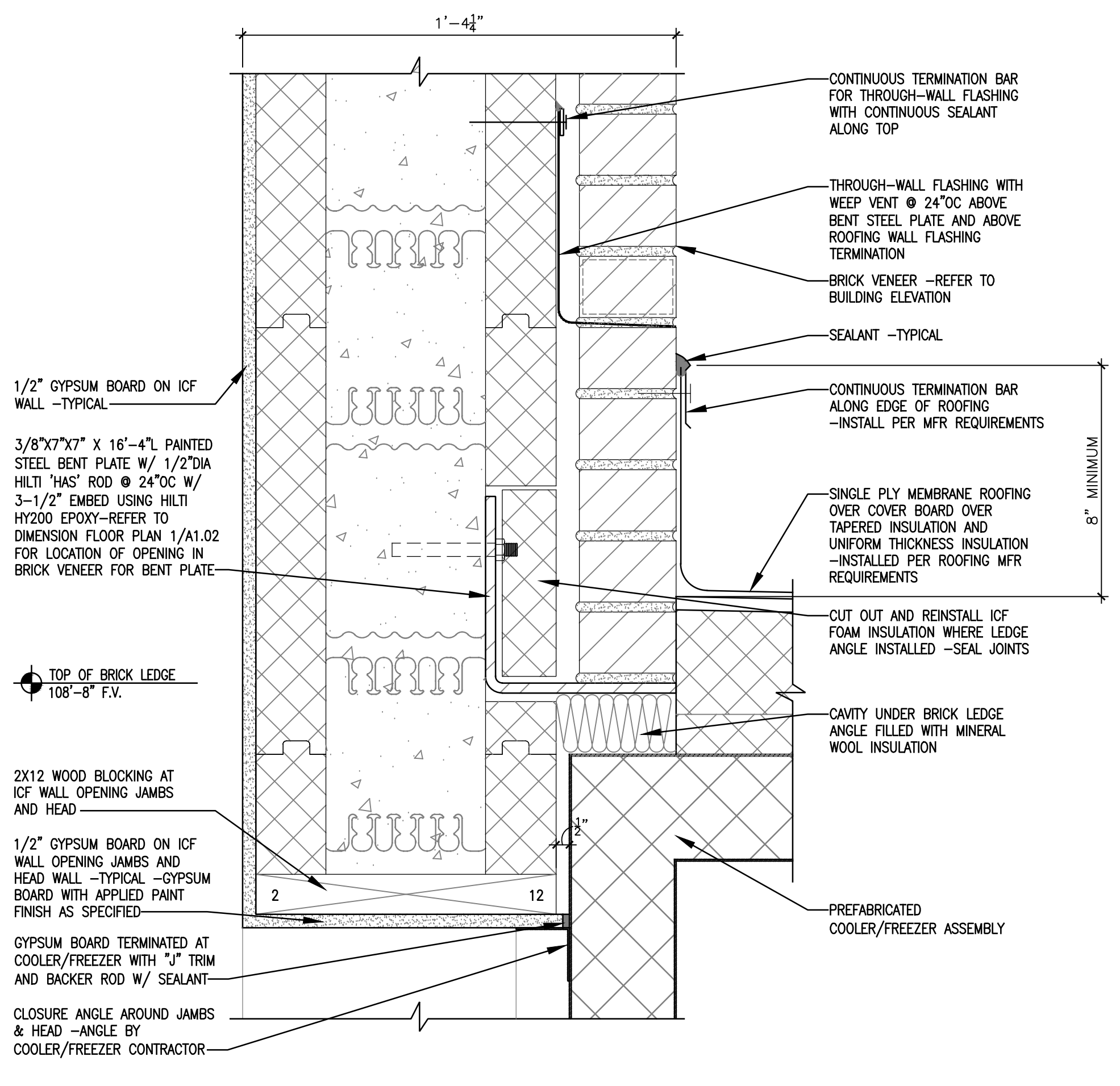
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1/2" = 1'-0"



**2**  
A5.08 SECTION - WALK-IN COOLER / FREEZER  
1/2" = 1'-0"



**3**  
A5.08 SECTION - WALK-IN COOLER / FREEZER  
1/2" = 1'-0"



**4**  
A5.08 SECTION DETAIL  
3" = 1'-0"

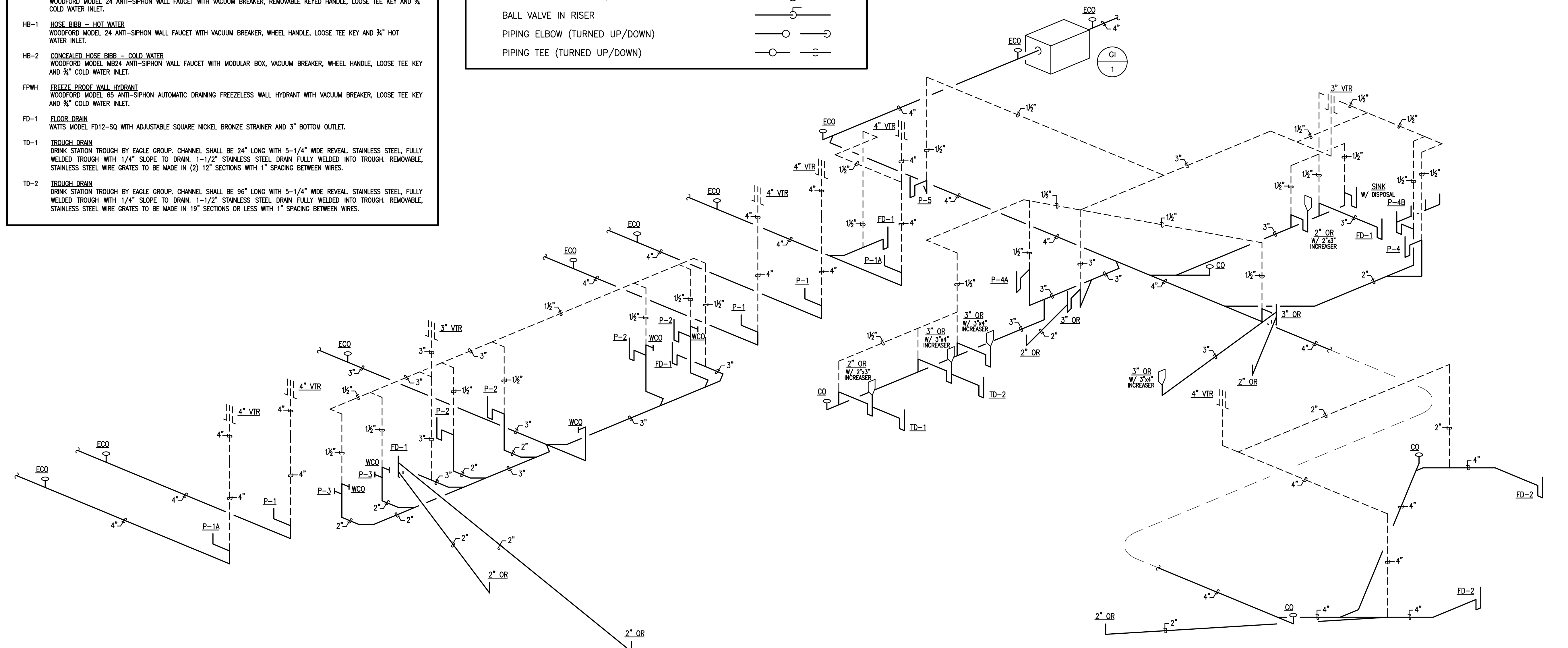
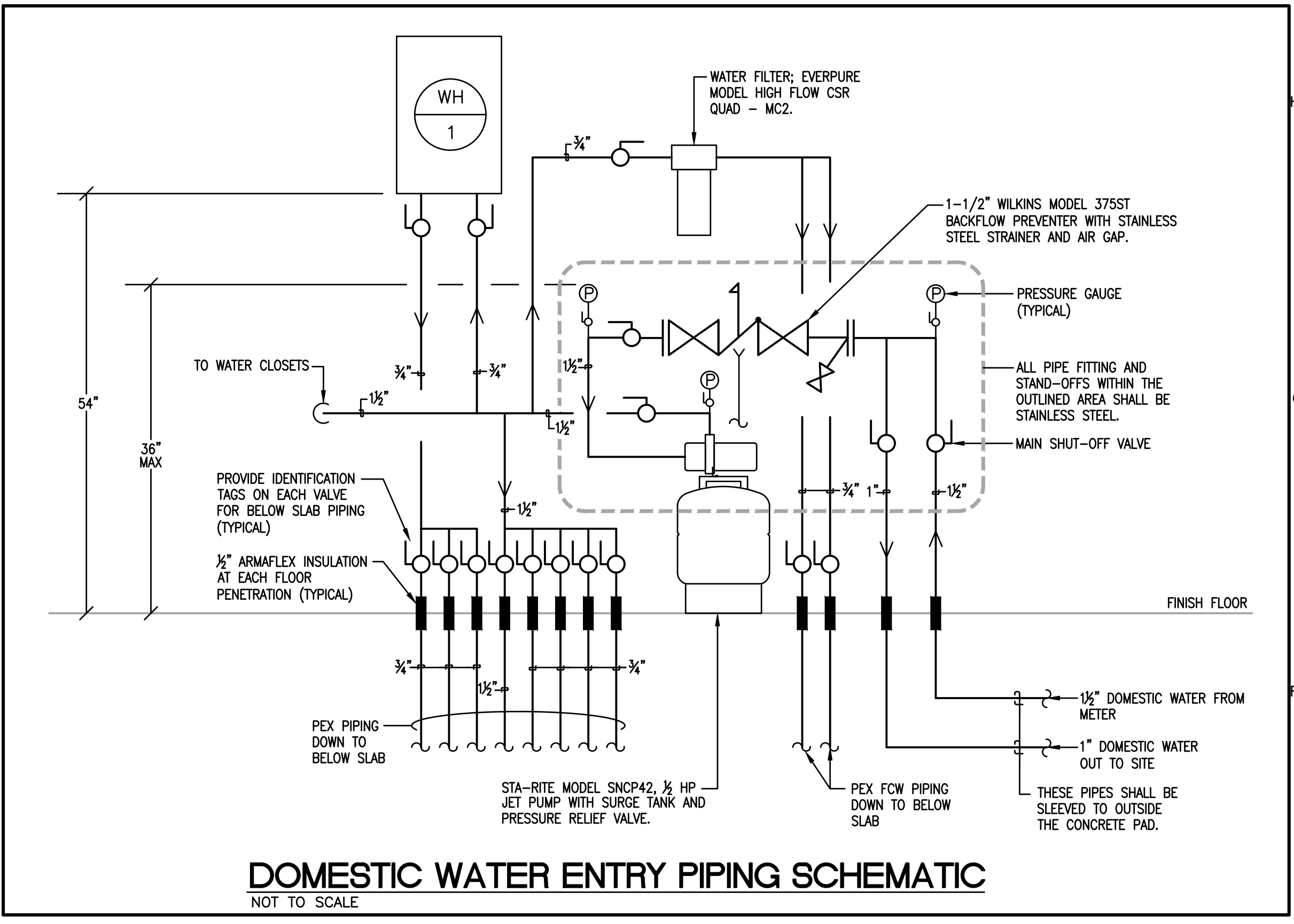
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**PLUMBING FIXTURE SPECIFICATIONS:**

- P-1 **WATER CLOSET - FLUSH VALVE, FLOOR MOUNTED - STANDARD HEIGHT**  
AMERICAN STANDARD MODEL 2234.015 "MADERA" VITREOUS CHINA, SIPHON JET, 1/2" TOP SPUD, ELONGATED BOWL WATER CLOSET WITH CHINA BOLT CAPS AND BEMIS MODEL 1955C WHITE OPEN FRONT SEAT WITH CHECK HINGE. FLUSH VALVE SHALL BE AS FOLLOWS:  
- SLOAN OPTIMA MODEL 111-ES-S "REGAL PRO" SENSOR OPERATED 1.6 GPF WATER CLOSET FLUSH VALVE WITH TRANSFORMER AND POLISHED CHROME FINISH.
- P-1A **WATER CLOSET - FLUSH VALVE, FLOOR MOUNTED - ADA HEIGHT**  
AMERICAN STANDARD MODEL 3043.102 "MADERA" VITREOUS CHINA, 17" HIGH, SIPHON JET, 1/2" TOP SPUD, ELONGATED BOWL WATER CLOSET WITH CHINA BOLT CAPS AND BEMIS MODEL 1955C WHITE OPEN FRONT SEAT WITH CHECK HINGE. INSTALL THE FLUSH VALVE ON THE "TOP" SIDE OF THE WATER CLOSET. FLUSH VALVE SHALL BE AS FOLLOWS:  
- SLOAN OPTIMA MODEL 111-ES-S "REGAL PRO" SENSOR OPERATED 1.6 GPF WATER CLOSET FLUSH VALVE WITH TRANSFORMER AND POLISHED CHROME FINISH.
- P-2 **LAVATORY - BOWL INTEGRAL TO COUNTERTOP - INFERRED FAUCET**  
REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COORDINATION OF LAVATORY BOWL INTEGRAL TO COUNTERTOP. PROVIDE LAVATORY DRAIN WITH INTEGRAL PERFORATED STRAINER, 3/8" RIGID SUPPLIES WITH STOPS AND P-TRAP. LAVATORY TRIM SHALL BE AS FOLLOWS:  
- SENSOR OPERATED FAUCET SHALL BE SLOAN OPTIMA MODEL ETI-600 WITH POLISHED CHROME-PLATED CAST BRASS FAUCET BODY, 0.5 GPM VANDAL RESISTANT AERATOR, MIXING VALVE AND TRANSFORMER.
- P-3 **URINAL - WALL HUNG - ADA**  
TOTO MODEL UT105UG VITREOUS CHINA WALL-HUNG, 0.125 GPF URINAL WITH 3/4" TOP SPUD AND CONCEALED WALL HANGER BRACKETS. FLUSH VALVE SHALL BE AS FOLLOWS:  
- SLOAN OPTIMA MODEL 186-0.125 DBP ESS SENSOR OPERATED 0.125 GPF URINAL FLUSH VALVE WITH TRANSFORMER AND POLISHED CHROME FINISH.
- P-4 **FOUR-COMPARTMENT SINK**  
JOHN BOOS MODEL E458-1620-14118 FOUR-COMPARTMENT TYPE 300 STAINLESS STEEL SINK WITH 16"x20"x14" DEEP BOWLS, 9-3/4" HIGH BOXED BACKSPASH, (2) 18" DRAINBOARDS AND STAINLESS STEEL LEGS WITH SIDE BRACING, STAINLESS STEEL GUSSETS AND BULLET FEET. PROVIDE WITH (4) T&S B-3990 LEVER HANDLE WASTES, CHROME SUPPLIES, STOPS, TAILPIECE, P-TRAP, DRAIN AND ESCUTCHEONS. SINK TRIM SHALL BE AS FOLLOWS:  
- (1) T&S BRASS MODEL B-0290 WALL MOUNTED FAUCET WITH 12" SWING SPOUT AND 4-ARM HANDLES.  
- (1) T&S BRASS MODEL B-0287-427-BC WALL MOUNTED PRE-RINSE FAUCET WITH 12" SWING SPOUT, 44" FLEXIBLE STAINLESS STEEL HOSE, AND 4-ARM HANDLES.
- P-4A **HAND SINK - BOWL INTEGRAL TO COUNTERTOP - GOOSENECK FAUCET**  
REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COORDINATION OF LAVATORY BOWL INTEGRAL TO COUNTERTOP. PROVIDE LAVATORY DRAIN WITH INTEGRAL PERFORATED STRAINER, 3/8" RIGID SUPPLIES WITH STOPS AND P-TRAP. LAVATORY TRIM SHALL BE AS FOLLOWS:  
- GOOSENECK FAUCET SHALL BE MOEN MODEL 8938 "SANI-STREAM" WITH POLISHED CHROME-PLATED CAST BRASS FAUCET BODY, 3-1/2" SPOUT, 2.0 GPM AERATOR AND WRIST BLADE HANDLES.
- P-4B **HAND SINK - WALL-HUNG**  
MANSFIELD GRAND ISLE MODEL 2018HNS VITREOUS CHINA LAVATORY WITH 4" CENTER FAUCET HOLES. PROVIDE CONCEALED ARM CARRIER, LAVATORY DRAIN WITH INTEGRAL PERFORATED STRAINER, 3/8" RIGID SUPPLIES WITH STOPS AND P-TRAP AND ADA COMPLIANT TRAP WRAP. MOUNT LAVATORY AT ADA HEIGHT. LAVATORY TRIM SHALL BE AS FOLLOWS:  
- SINGLE HANDLE FAUCET SHALL BE AMERICAN STANDARD RELIANT 3 MODEL 7385.004 WITH POLISHED CHROME-PLATED CAST BRASS FAUCET BODY WITH 1.2 GPM AERATOR.
- P-5 **MOP BASIN - 24"x24" - RECESSED IN FLOOR**  
ZURN MODEL Z1996-24 MOP SERVICE BASIN WITH MOLDED HIGH DENSITY COMPOSIT BASIN, PVC DRAIN BODY, STAINLESS STEEL STRAINER AND 3" GASKETED OUTLET CONNECTION. BASIN SHALL BE RECESSED IN CONCRETE FLOOR. REFERENCE DETAIL ON DRAWING A-551 FOR ADDITIONAL INFORMATION.
- P-6 **ICE MAKER CONNECTION BOX**  
IPS CORPORATION WATER-TITE MODEL AB9702HA ICE MAKER OUTLET BOX WITH INTEGRAL WATER HAMMER ARRESTOR AND PRELOADED NAILS. FIELD PAINT EXPOSED PORTION OF BOX TO MATCH ADJACENT WALL SURFACES. VERIFY PIPE CONNECTION TYPE PRIOR TO ORDERING.
- HB **HOSE BIBB - COLD WATER**  
WOODFORD MODEL 24 ANTI-SIPHON WALL FAUCET WITH VACUUM BREAKER, REMOVABLE KEYED HANDLE, LOOSE TEE KEY AND 3/4" COLD WATER INLET.
- HB-1 **HOSE BIBB - HOT WATER**  
WOODFORD MODEL 24 ANTI-SIPHON WALL FAUCET WITH VACUUM BREAKER, WHEEL HANDLE, LOOSE TEE KEY AND 3/4" HOT WATER INLET.
- HB-2 **CONCEALED HOSE BIBB - COLD WATER**  
WOODFORD MODEL MB24 ANTI-SIPHON WALL FAUCET WITH MODULAR BOX, VACUUM BREAKER, WHEEL HANDLE, LOOSE TEE KEY AND 3/4" COLD WATER INLET.
- FPWH **FREEZE PROOF WALL HYDRANT**  
WOODFORD MODEL 65 ANTI-SIPHON AUTOMATIC DRAINING FREEZELESS WALL HYDRANT WITH VACUUM BREAKER, LOOSE TEE KEY AND 3/4" COLD WATER INLET.
- FD-1 **FLOOR DRAIN**  
WATTS MODEL FD12-SQ WITH ADJUSTABLE SQUARE NICKEL BRONZE STRAINER AND 3" BOTTOM OUTLET.
- 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	VTR
WATER HEATER	WH
SANITARY PIPING	SAN
GREASE WASTE PIPING	GL
STORM PIPING	SS
SANITARY VENT PIPING	V
DOMESTIC COLD WATER PIPING	---
DOMESTIC HOT WATER PIPING (110° F)	---
FILTERED COLD WATER	FCW
NATURAL GAS PIPING	G
PRESSURE GAUGE	⊕
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 (OPPOSITE HAND FROM FLOOR PLAN)**

NOT TO SCALE

**CMW**  
The Shape of Ideas

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**PLUMBING LEGEND AND DETAILS**

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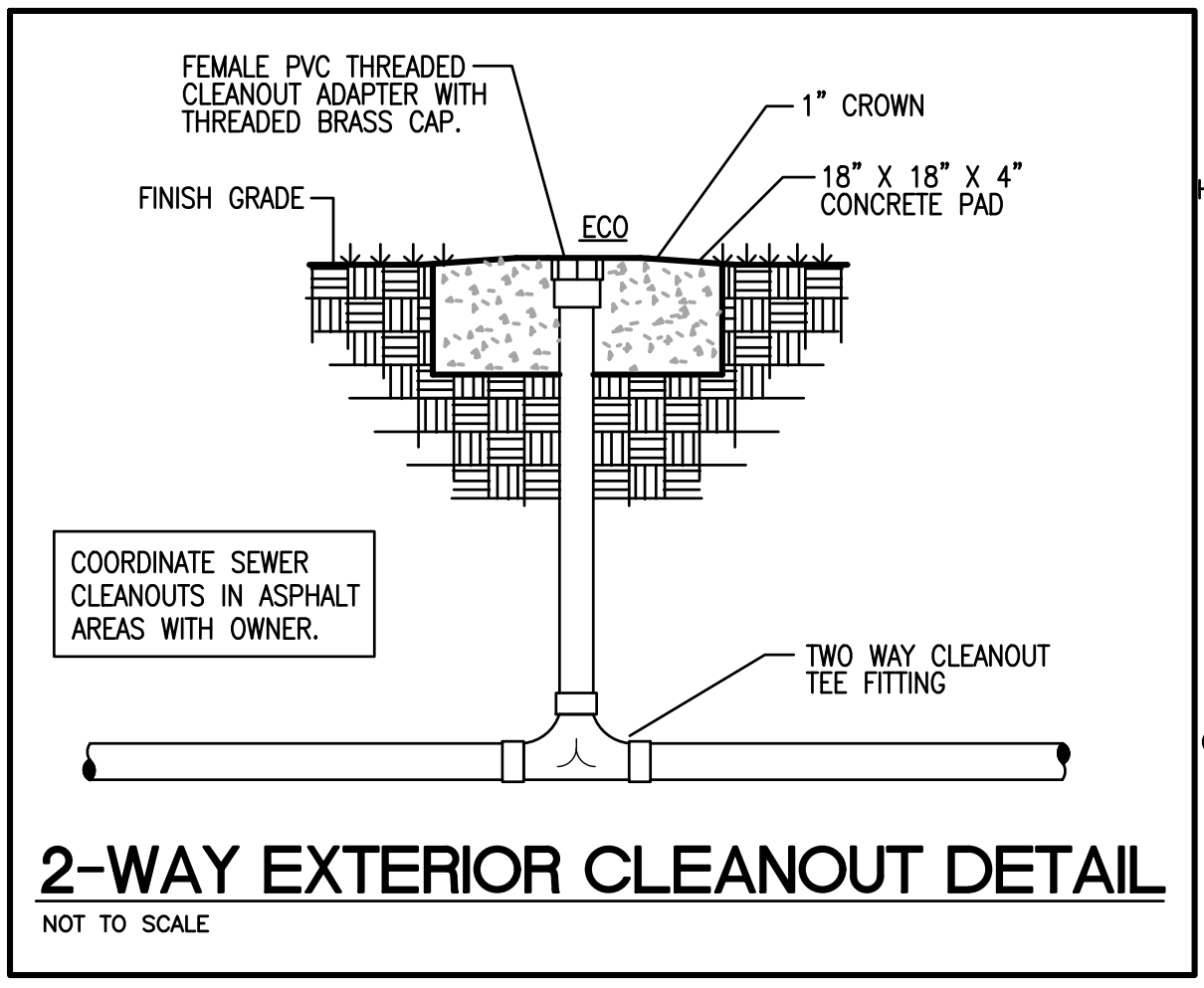
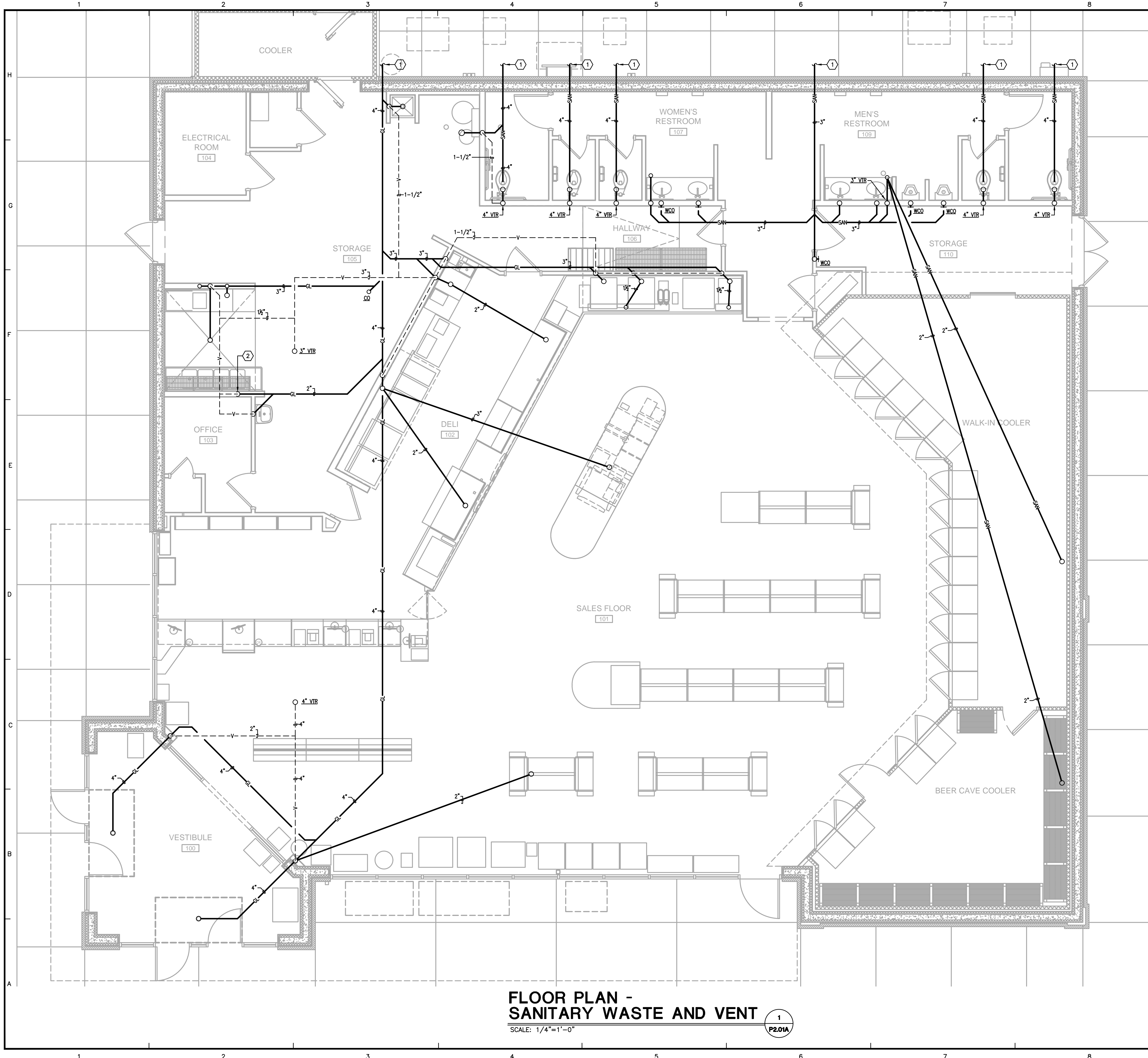
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**P-1.01**



- PLUMBING TAG NOTES:
- REFER TO SHEET P2.01B FOR CONTINUATION.
  - PROVIDE P-TRAP WITH HUB FOR MAINTENANCE PURPOSES.

- PLUMBING GENERAL NOTES:
- 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 PHOTOGRAPHY SHALL BE INDICATED ON THE AS-BUILT DRAWINGS.
  - THE OWNER SHALL CHECK WALLS FOR LOCATIONS OF ALL PLUMBING LINES PRIOR TO DRYWALL BEING INSTALLED.
  - 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.
  - THE FOUR COMPARTMENT SINK LIP SHALL BE SET AT 39" ABOVE FINISH FLOOR.
  - ALL TRENCHES UNDER PAVEMENT SHALL BE FILLED WITH STONE.
  - ALL TOILET FLANGES SHALL BE CAST IRON OR STAINLESS STEEL.
  - ALL INTERIOR AND EXTERIOR DOMESTIC WATER PIPING SHALL BE CROSS-LINKED POLYETHYLENE (PEX OR EQUAL).
  - ALL INTERIOR DOMESTIC WATER LINES SHALL BE 3/4" MINIMUM. WATER LINES SERVING FLUSH VALVES SHALL BE 1/2".
  - ALL DOMESTIC WATER LINES ENTERING AND EXITING THE BUILDING BELOW GRADE SHALL BE INSTALLED IN A SLEEVE FROM THE POINT WHERE THEY PENETRATE THE FLOOR TO BEYOND THE BLACK CONCRETE OR THE EQUIPMENT PAD, DEPENDING ON WHAT DIRECTION THEY EXIT THE BUILDING. THE SLEEVE SHALL BE AT LEAST 4" IN DIAMETER AND SHALL HAVE SWEEPING FITTINGS AT ANY BEND.
  - ALL WATER LINES SHALL BE SPACED 2" APART WHERE THEY PENETRATE THE FLOOR SLAB FOR EASE OF FUTURE MAINTENANCE.
  - ALL SHUT-OFF VALVES ON DOMESTIC WATER LINES SHALL BE TAGGED WITH 3/8"x1/2" ENGRAVED LAMINATED OR BRASS TAGS.
  - 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.
  - GAS AND WATER UTILITY ENTRANCES INTO THE BUILDING SHALL BE SLEEVED TO OUTSIDE THE CONCRETE PADS.
  - 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.
  - EXTERIOR SEWER CLEANOUTS SHALL BE PLACED WHERE INDICATED ON THE PLANS AND/OR A MAXIMUM OF 95'-0" APART.
  - ALL OUTSIDE CLEANOUTS SHALL BE BRASS.
  - ALL SANITARY AND GREASE WASTE PIPING SHALL BE SCHEDULE 40 PVC.

**FLOOR PLAN -  
SANITARY WASTE AND VENT**  
SCALE: 1/4"=1'-0"  
1  
P2.01A

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PLUMBING

**FLOOR PLAN - SANITARY WASTE AND VENT**  
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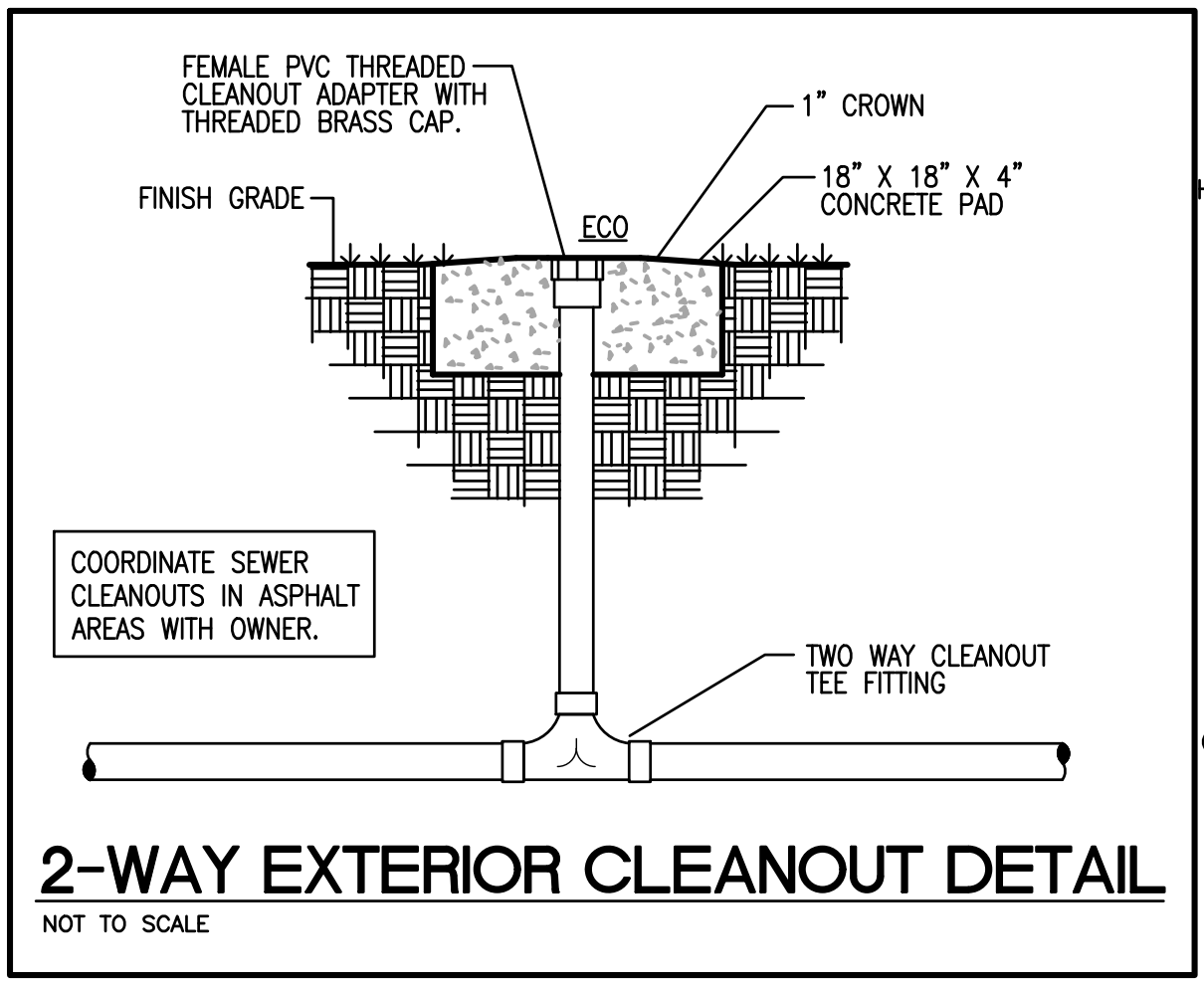
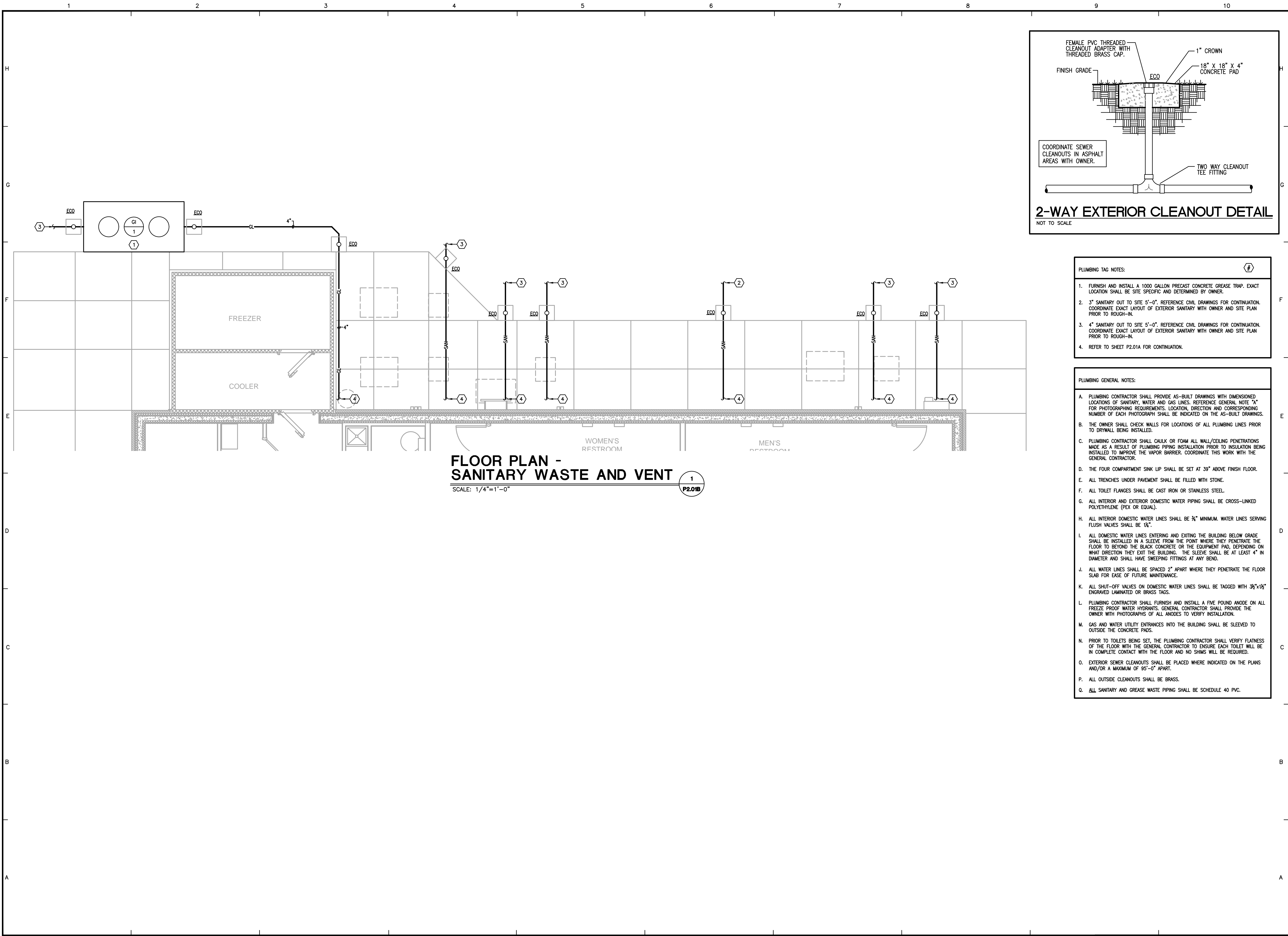
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**FLOOR PLAN -  
SANITARY WASTE AND VENT**

SCALE: 1/4"=1'-0" 1 P2.01B

- 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. REFER TO SHEET P2.01A FOR CONTINUATION.

- PLUMBING GENERAL NOTES:**
- 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.
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  - THE FOUR COMPARTMENT SINK LIP SHALL BE SET AT 39" ABOVE FINISH FLOOR.
  - ALL TRENCHES UNDER PAVEMENT SHALL BE FILLED WITH STONE.
  - ALL TOILET FLANGES SHALL BE CAST IRON OR STAINLESS STEEL.
  - ALL INTERIOR AND EXTERIOR DOMESTIC WATER PIPING SHALL BE CROSS-LINKED POLYETHYLENE (PEX OR EQUAL).
  - ALL INTERIOR DOMESTIC WATER LINES SHALL BE 3/4" MINIMUM. WATER LINES SERVING FLUSH VALVES SHALL BE 1/2".
  - ALL DOMESTIC WATER LINES ENTERING AND EXITING THE BUILDING BELOW GRADE SHALL BE INSTALLED IN A SLEEVE FROM THE POINT WHERE THEY PENETRATE THE FLOOR TO BEYOND THE BLACK CONCRETE OR THE EQUIPMENT PAD, DEPENDING ON WHAT DIRECTION THEY EXIT THE BUILDING. THE SLEEVE SHALL BE AT LEAST 4" IN DIAMETER AND SHALL HAVE SWEEPING FITTINGS AT ANY BEND.
  - ALL WATER LINES SHALL BE SPACED 2" APART WHERE THEY PENETRATE THE FLOOR SLAB FOR EASE OF FUTURE MAINTENANCE.
  - ALL SHUT-OFF VALVES ON DOMESTIC WATER LINES SHALL BE TAGGED WITH 3/2"x1/2" ENGRAVED LAMINATED OR BRASS TAGS.
  - 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.
  - GAS AND WATER UTILITY ENTRANCES INTO THE BUILDING SHALL BE SLEEVED TO OUTSIDE THE CONCRETE PADS.
  - 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.
  - EXTERIOR SEWER CLEANOUTS SHALL BE PLACED WHERE INDICATED ON THE PLANS AND/OR A MAXIMUM OF 95'-0" APART.
  - ALL OUTSIDE CLEANOUTS SHALL BE BRASS.
  - ALL SANITARY AND GREASE WASTE PIPING SHALL BE SCHEDULE 40 PVC.

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**FLOOR PLAN - SANITARY WASTE AND VENT**

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### PLUMBING FIXTURE SCHEDULE

DESIGNATOR	FIXTURE	CW	HW	SAN	VENT
P-1	WATER CLOSET - FLOOR SET - FLUSH VALVE	1/4"	--	4"	2"
P-1A	WATER CLOSET - FLOOR SET - FLUSH VALVE - ADA	1/4"	--	4"	4"
P-2	LAVATORY - INTEGRAL TO COUNTERTOP	1/2"	1/2"	1 1/2"	1 1/2"
P-3	URINAL - ADA	1/2"	--	2"	1 1/2"
P-4	FOUR COMPARTMENT STAINLESS STEEL SINK	3/4"	3/4"	2"	1 1/2"
P-4A	ONE COMPARTMENT HAND SINK INTEGRAL TO COUNTERTOP	1/2"	1/2"	1 1/2"	1 1/2"
P-4B	WALL-HUNG HAND SINK	1/2"	1/2"	1 1/2"	1 1/2"
P-5	RECESSED MOP BASIN - 24"x24"	--	--	3"	1 1/2"
P-6	ICE MAKER CONNECTION BOX	1/2"	--	--	--
HB	COLD WATER HOSE BIBB	3/4"	--	--	--
HB-1	HOT WATER HOSE BIBB	--	3/4"	--	--
HB-2	CONCEALED COLD WATER HOSE BIBB	3/4"	--	--	--
FPWH	FREEZE-PROOF WALL HYDRANT	3/4"	--	--	--
FD-1	SQUARE TOP FLOOR DRAIN - 3" OUTLET	--	--	3"	1 1/2"
FD-2	SQUARE TOP FLOOR DRAIN - 4" OUTLET	--	--	4"	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/IF REQUIRED BY THE DETAILS AND BY THE STATE PLUMBING CODE ALL EQUIPMENT SHALL BE CONNECTED PER THE MANUFACTURER'S REQUIREMENTS. THE PLUMBING CONTRACTOR SHALL ALSO INSTALL ANY DRAIN PIPING CONNECTIONS AND SPILL INDIRECTLY TO EITHER AN OPEN RECEPTACLE OR FLOOR DRAIN. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT OF ALL EQUIPMENT.

#### PLUMBING TAG NOTES:

- (1) 1/2" and (1) 1" DOMESTIC WATER LINES OUT TO SITE. REFERENCE CIVIL DRAWINGS FOR CONTINUATION. WATER LINES MUST BE CONTINUOUS WITH NO JOINTS ALL THE WAY TO THE METER.
- FURNISH AND INSTALL 1/2" WILKINS MODEL 375 BACKFLOW PREVENTER WITH AIR GAP AND STRAINER. REFERENCE THE DOMESTIC WATER ENTRY PIPING SCHEMATIC ON DRAWING P1.01 FOR ADDITIONAL INFORMATION.
- FURNISH AND INSTALL 6" PVC SLEEVE BELOW SLAB WITH (2) 45° ELBOWS ON EACH END.
- (1) 1/2" and (1) 1" DOMESTIC WATER LINES UP FROM BELOW SLAB. REFERENCE DOMESTIC WATER ENTRY SCHEMATIC ON DRAWING P1.01 FOR ADDITIONAL INFORMATION.
- NATURAL GAS SERVICE OUT TO SITE. COORDINATE PIPE MATERIAL, SIZE AND GAS PRESSURE WITH LOCAL UTILITY COMPANY.
- FURNISH AND INSTALL NEW NATURAL GAS METER PER LOCAL UTILITY COMPANY REQUIREMENTS.
- EXTEND 1" GAS TO COOLING UNIT 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 QCM43-6GX COPPER MANIFOLD AT EACH GROUP OF SHUT-OFF VALVES LOCATED WITHIN CABINET SPACE. (TYPICAL)
- STUB UP WATER UNDER CABINET BESIDE THE DRAIN (TYPICAL).

**NEW GAS METER LOAD:**

HVAC AIR HANDLING UNIT -	320,000 BTUH
DOMESTIC WATER HEATER -	180,000 BTUH
MAKE-UP AIR UNIT -	145,800 BTUH
KITCHEN EQUIPMENT -	326,000 BTUH
<b>TOTAL CONNECTED LOAD -</b>	<b>971,800 BTUH</b>

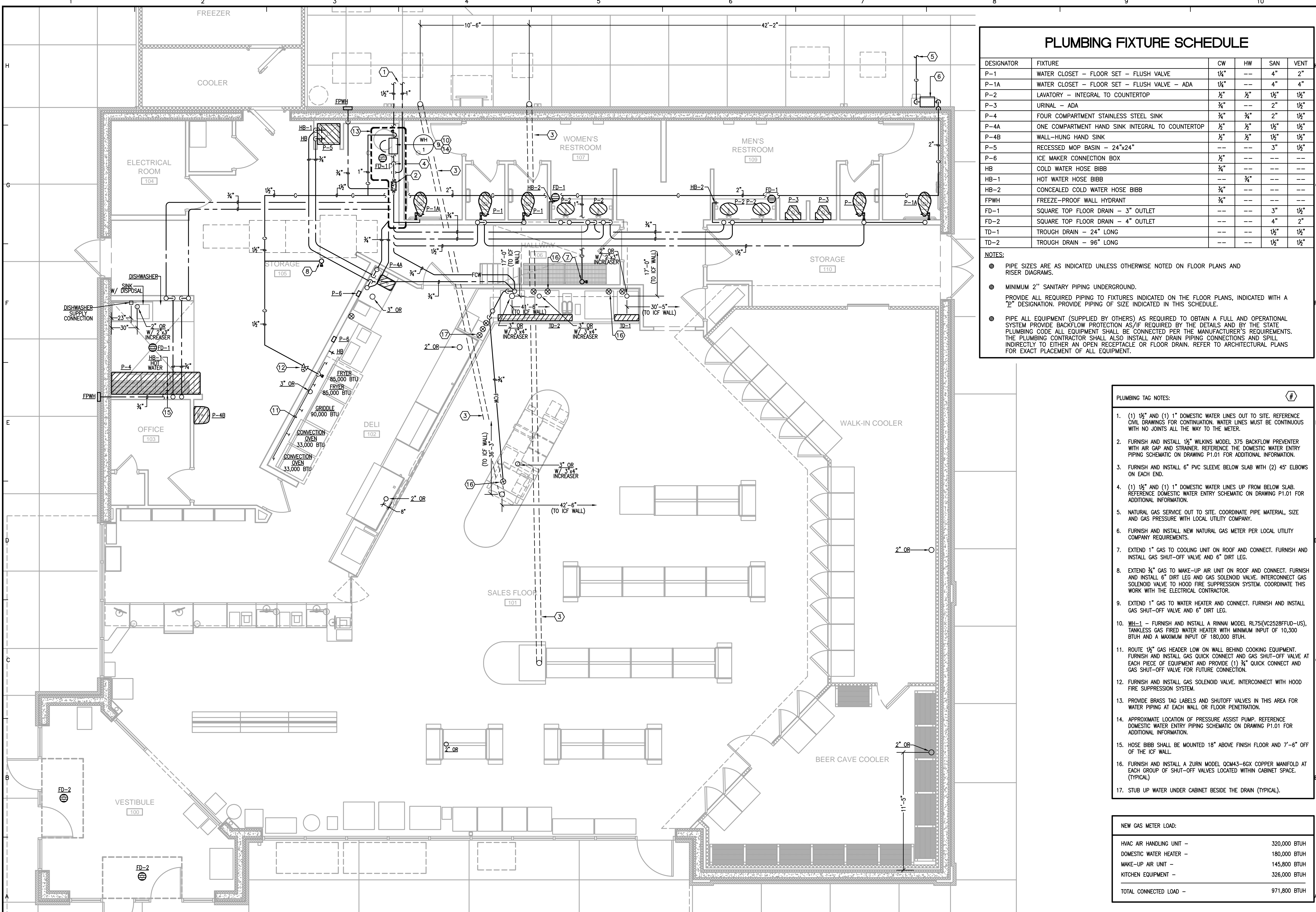
FLOOR PLAN - WATER AND GAS  
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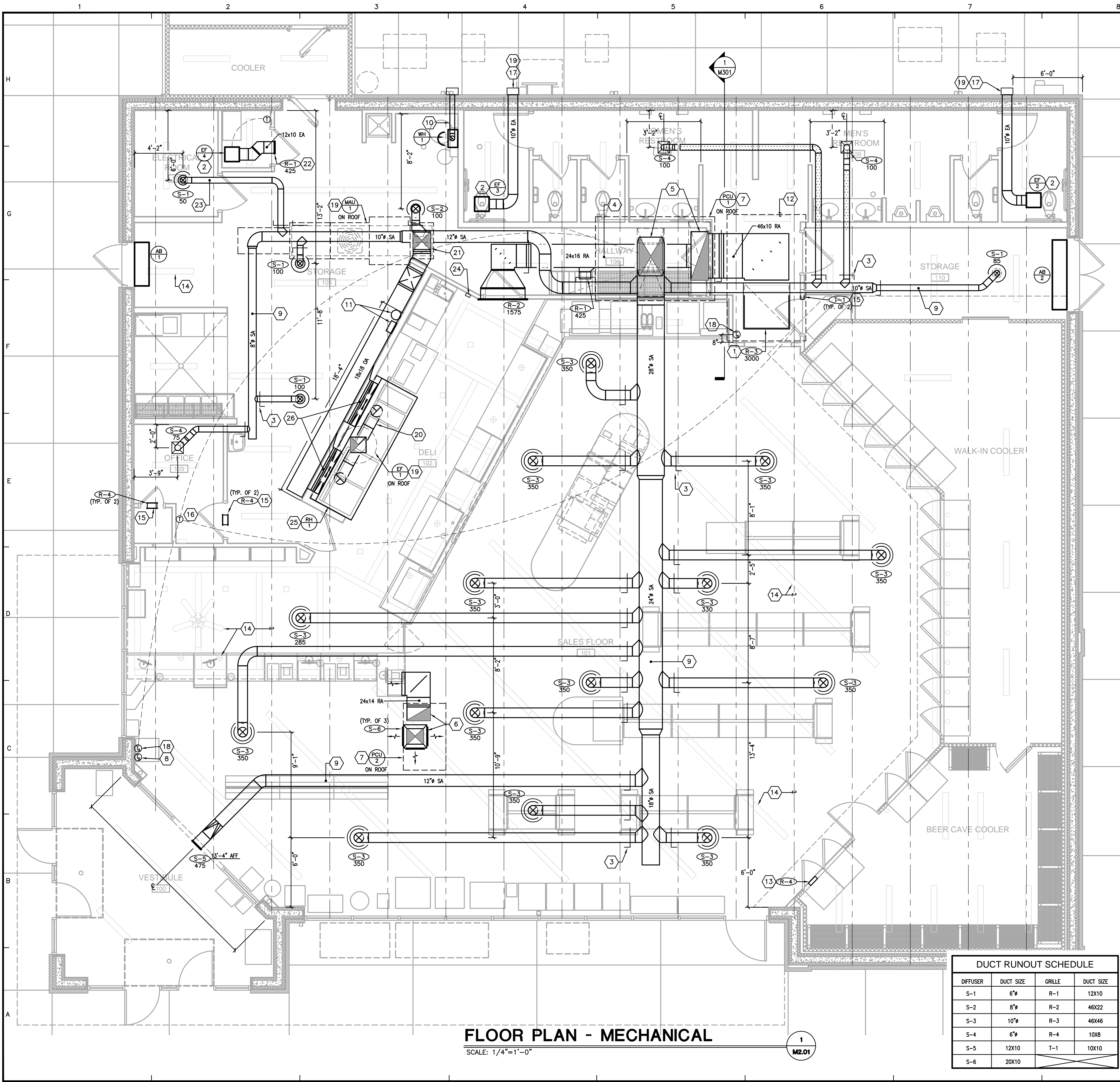
### FLOOR PLAN - WATER AND GAS

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

1  
P2.02







**FLOOR PLAN - MECHANICAL**

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

1  
M2.01

- 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.
  - 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 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.
  - DUCTWORK, PLENUMS AND OTHER APPURTENANCES SHALL BE CONSTRUCTED OF THE MATERIALS OF THE MINIMUM WEIGHTS OR GAUGES AS REQUIRED BY THE LATEST SMA24 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: (X)

- ORIENT RETURN GRILLE SO THAT OPENING IS DIRECTED TOWARD HALLWAY ENTRY (AWAY FROM BATHROOMS). PAINT INTERIOR OF RETURN PLENUM WITH FLAT BLACK PAINT.
- TRANSITION TO EXHAUST FAN OPENING AS NECESSARY. PROVIDE A 12" LENGTH OF FLEX DUCT AT FAN CONNECTION.
- 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 28"x28" SA AND 50"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. 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.
- TRANSFER GRILLE IS TO BE MOUNTED ABOVE COOLER ROOF, FACING OUT. PROVIDE GRILLE WITH 1/2" MESH SCREEN.
- 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 U1 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.
- ROUTE 12" GREASE DUCT (TYPICAL OF 2) FROM RH-1 HOOD OPENING TO 16" RISER. TRANSITION DUCTWORK TO FIT ROOF CURB PRIOR TO ROOF PENETRATION. ROOF CUTOUT SHALL BE 26"x26" 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. BALANCE EACH RUNOUT TO 1,250 CFM.
- 18X18 OA DUCT UP TO MAU-1. TRANSITION DUCTWORK TO FIT ROOF CURB BEFORE ROOF PENETRATION. ROOF CUTOUT FOR CURB SHALL BE 22"x18".
- CENTER GRILLE ABOVE DOOR AND ENSURE DOOR HAS 3/4" UNDERCUT.
- DO NOT ROUTE DUCTWORK DIRECTLY ABOVE ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL DRAWINGS.
- PULL STATION LOCATION FOR RANGE HOOD FIRE SUPPRESSION SYSTEM.
- RANGE HOOD IS OWNER FURNISHED, OWNER INSTALLED.
- 50"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.

**DUCT RUNOUT SCHEDULE**

DIFFUSER	DUCT SIZE	GRILLE	DUCT SIZE
S-1	6"	R-1	12X10
S-2	8"	R-2	46X22
S-3	10"	R-3	46X46
S-4	6"	R-4	10X8
S-5	12X10	T-1	10X10
S-6	20X10		

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**STATE OF KENTUCKY**  
REGISTERED PROFESSIONAL ENGINEER  
No. 12888  
Mechanical

**FLOOR PLAN - MECHANICAL**

**FiveStar #7624 - Paducah**  
**NEWCOMB OIL CO., LLC**  
2310 LONE OAK RD.  
PADUCAH, KY 42003

**CONSTRUCTION DOCUMENTS**

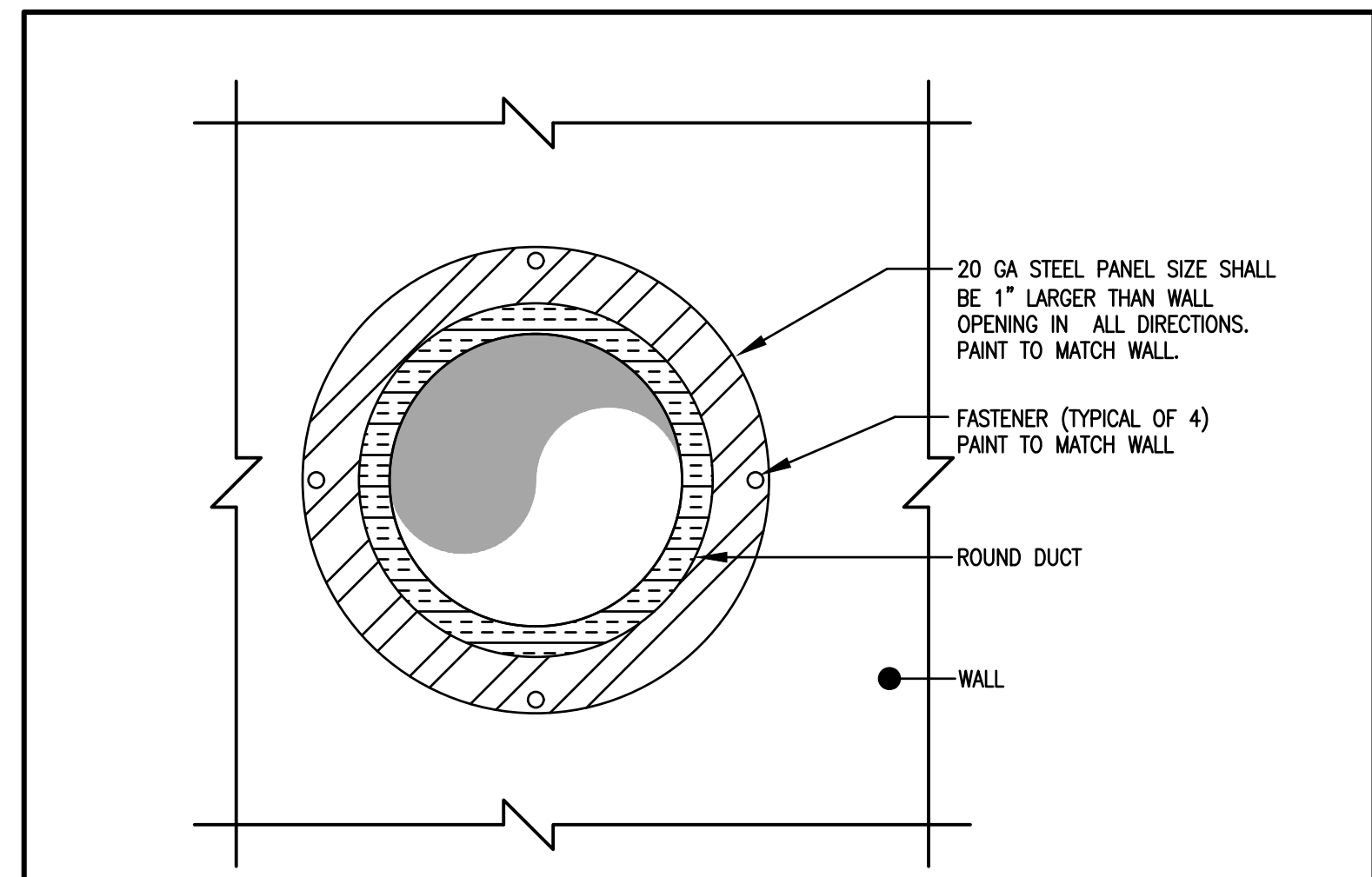
Issue Date: April, 19 2024  
Drawn By: WTD  
Checked By: DRH  
Revisions:

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

Project Number  
**24013.01**

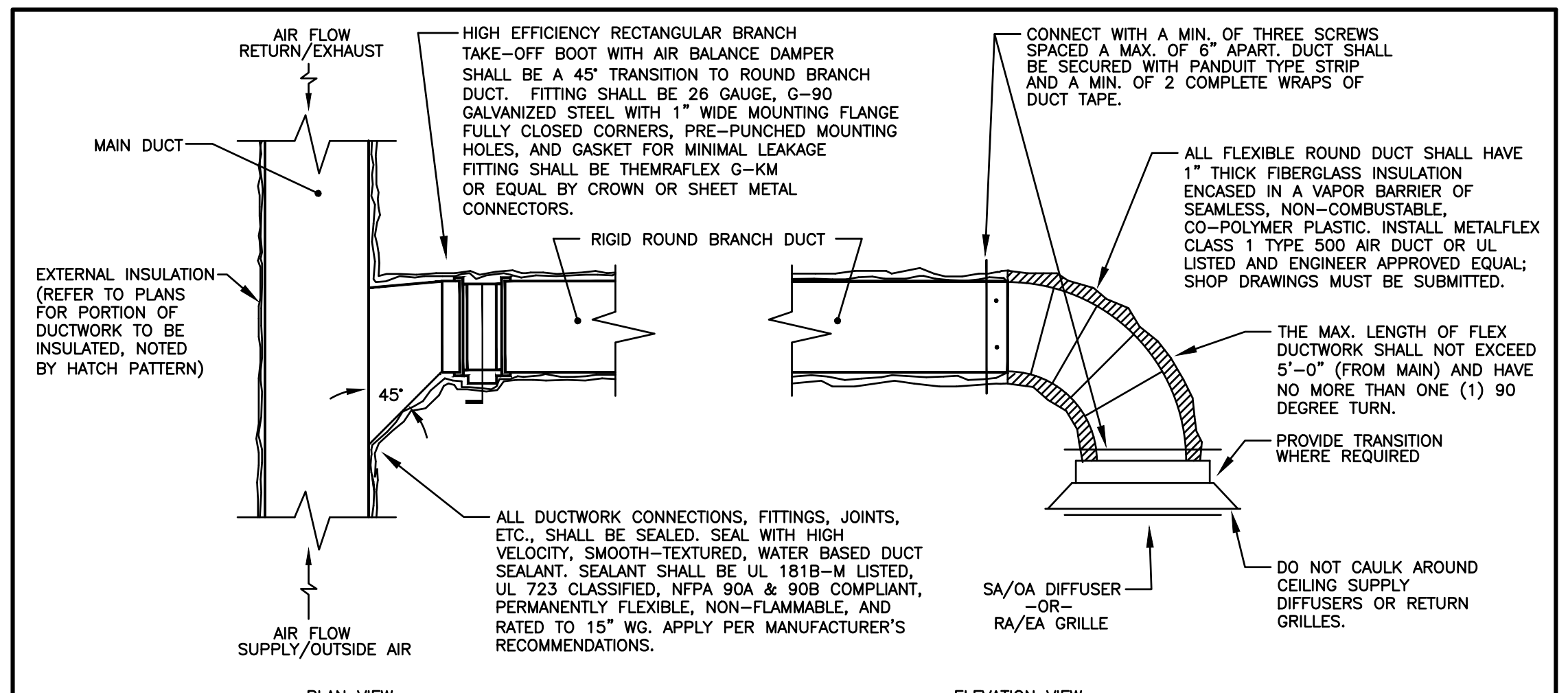
**M-2.01**

PLAT DATE: Friday, April 19, 2024 2:20:47 PM



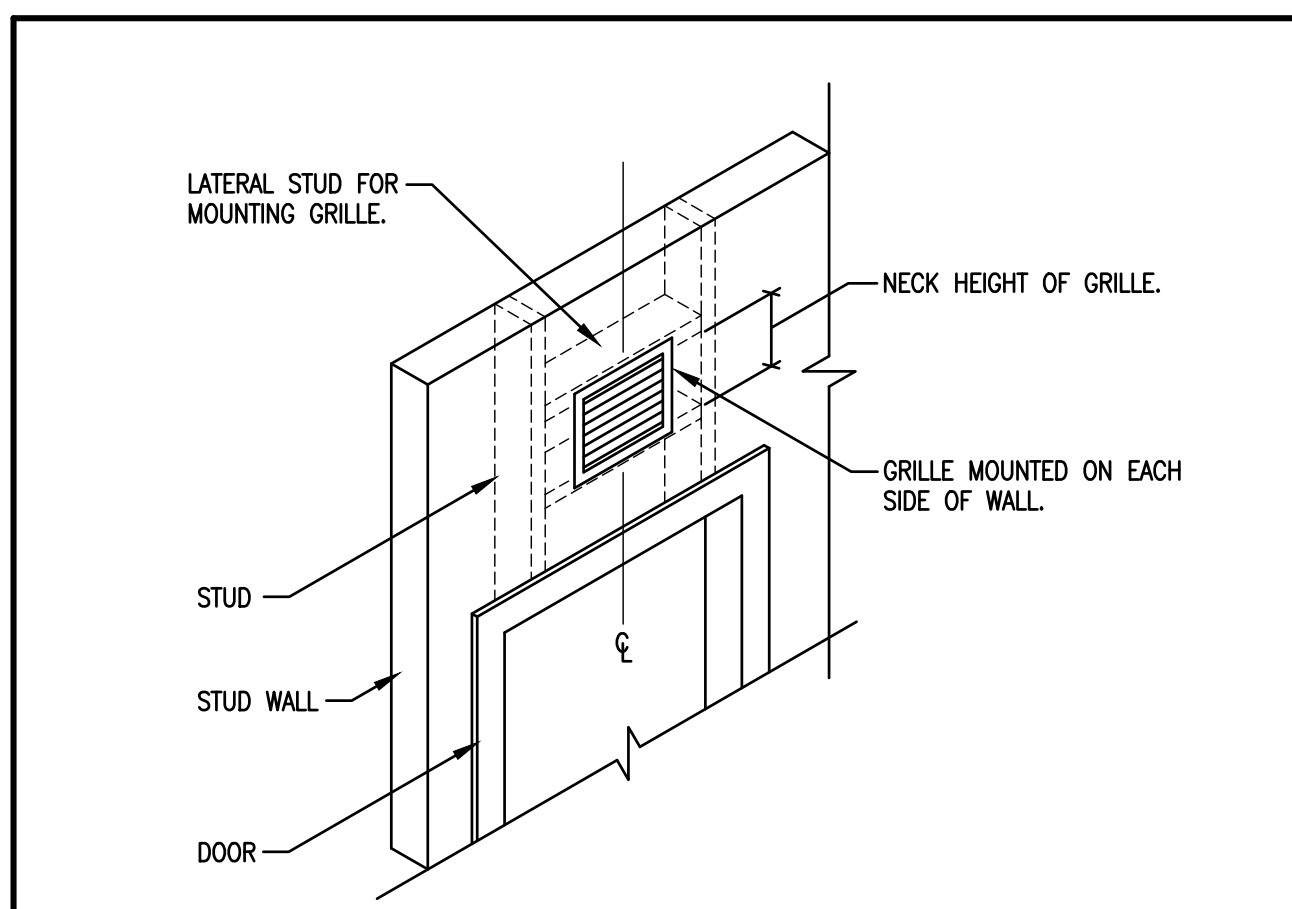
**EXPOSED DUCT WALL PENETRATION DETAIL**

NOT TO SCALE



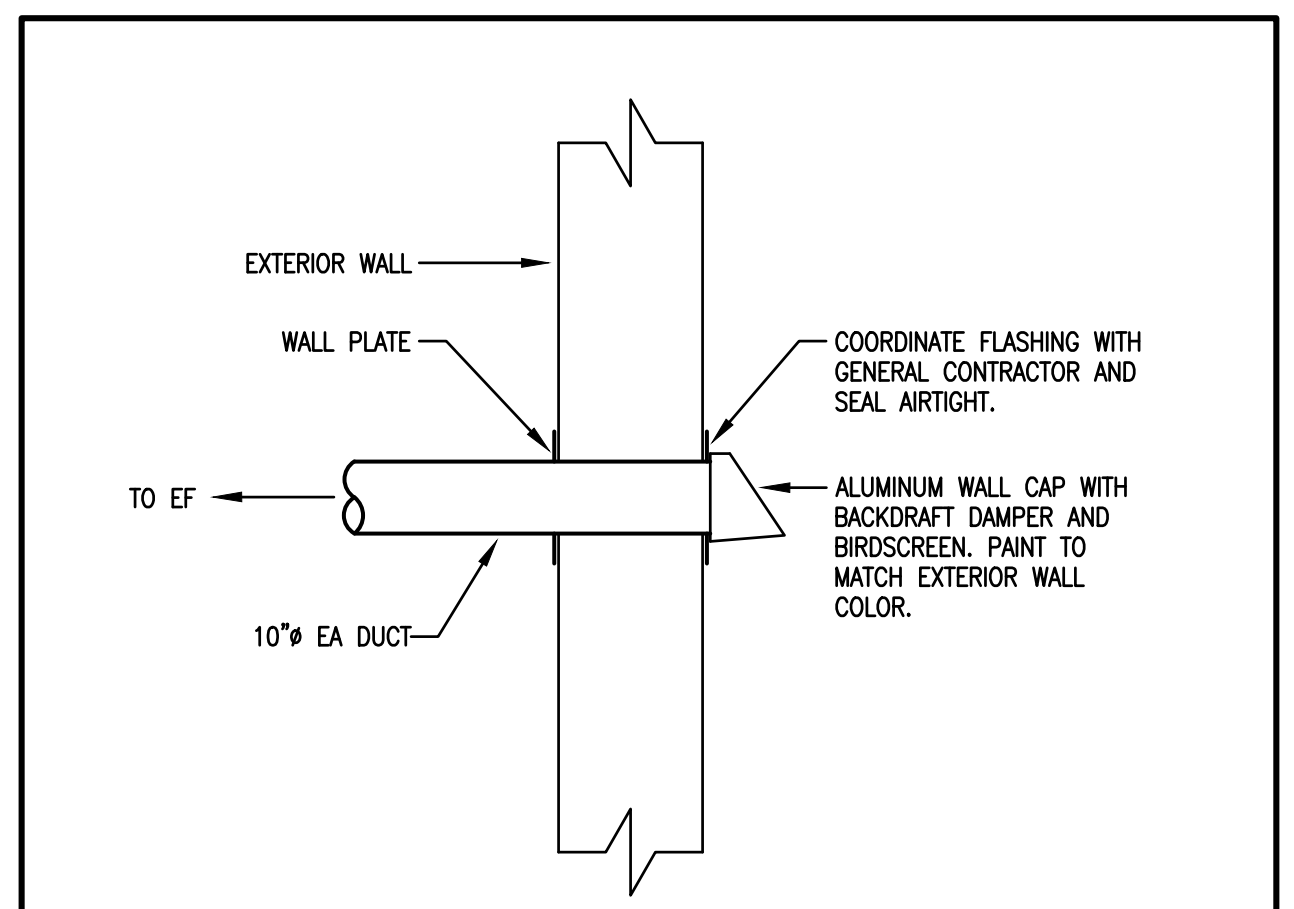
**TYPICAL RECTANGULAR-TO-ROUND BRANCH DUCT DETAIL**

NOT TO SCALE



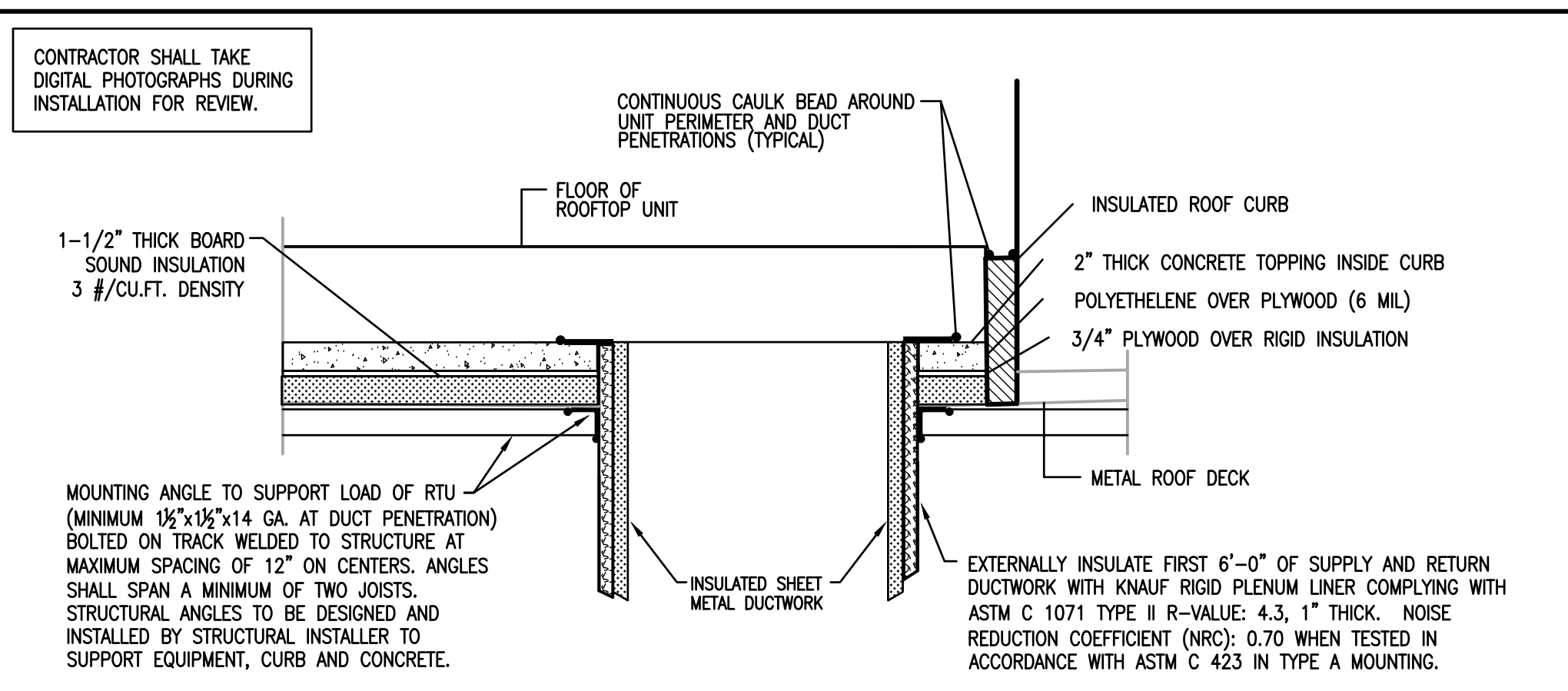
**TRANSFER AIR GRILLE DETAIL**

NOT TO SCALE



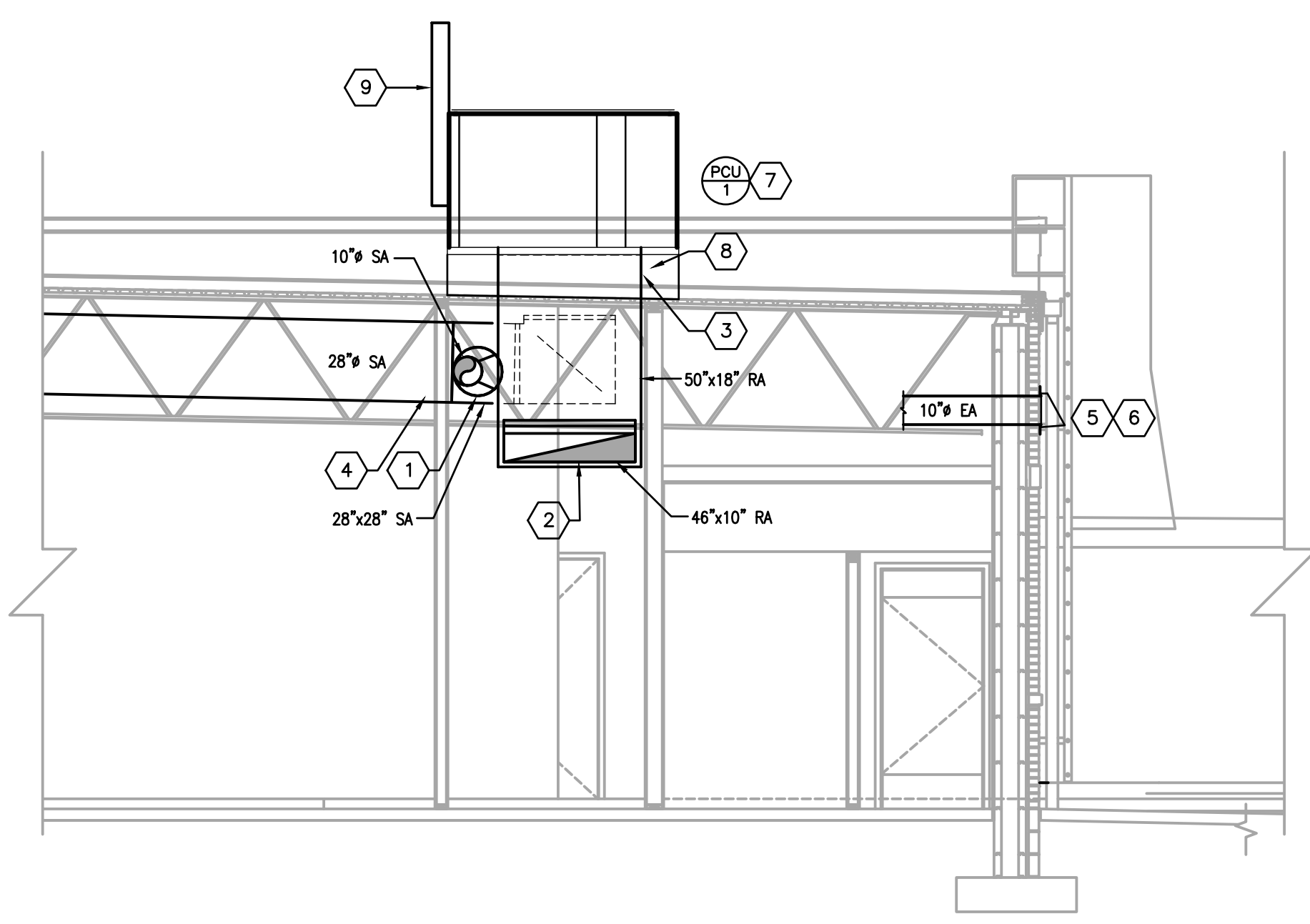
**TYPICAL EXHAUST DETAIL**

NOT TO SCALE



**ACOUSTICAL TREATMENT OF PCU-1/2**

NOT TO SCALE



**MECHANICAL - SECTION VIEW**

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

1  
M3.01

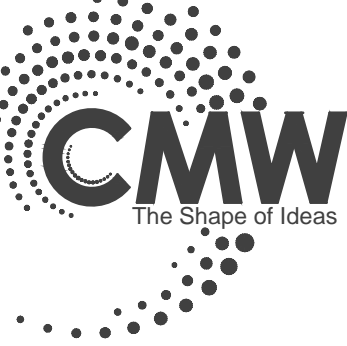
**GENERAL NOTES:**

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

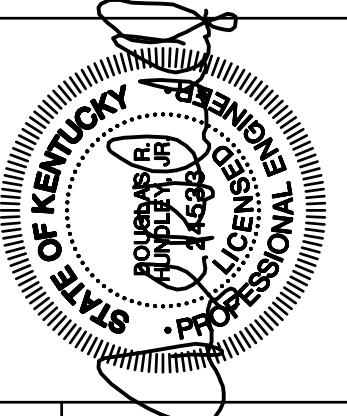
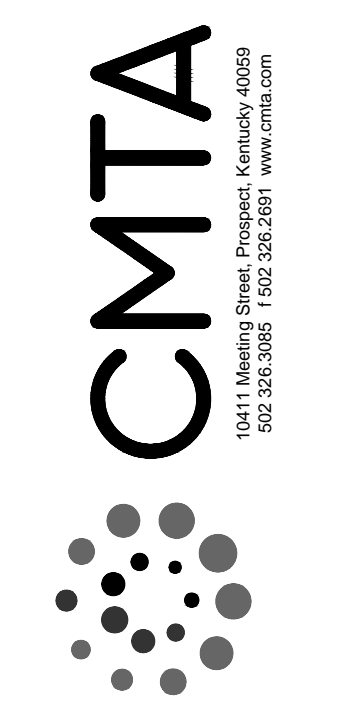
ROUND DIAMETER	DUCT GAUGE	RECTANGULAR WIDTH	DUCT GAUGE
3-12 INCHES	26 GA.	3-12 INCHES	26 GA.
13-18 INCHES	24 GA.	13-30 INCHES	24 GA.
19-28 INCHES	22 GA.	31-54 INCHES	22 GA.

**MECHANICAL TAG NOTES:**

1. PROVIDE HIGH EFFICIENCY TAKEOFFS AND VOLUME DAMPERS IN ALL BRANCH DUCT WORK. REFER TO DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION. TYPICAL OF ALL.
2. INSTALL RETURN DUCTWORK AS HIGH AS POSSIBLE, HOLDING TIGHT TO STRUCTURE. BOTTOM OF DUCT WILL BE AT A MINIMUM OF 9'-0".
3. TRANSITION FROM 28"x28" SA AND 50"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.
4. SUPPLY DUCT MAIN SHALL BE INSTALLED TO FOLLOW SLOPE OF ROOF WITHIN JOIST SPACE. ALL BRANCH DUCTWORK SHALL BE COORDINATED WITH JOIST OPENINGS.
5. EXHAUST CAP AT ELEVATION OF 10'-8". REFER TO DETAIL THIS SHEET FOR MORE INFORMATION.
6. MAINTAIN A 10'-0" MINIMUM DISTANCE FROM EXHAUST FAN OUTLET TO MECHANICAL EQUIPMENT'S INTAKE.
7. 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.
8. REFERENCE "ACOUSTICAL TREATMENT OF PCU-1" DETAIL (THIS SHEET) FOR MORE INFORMATION.
9. 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.



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MECHANICAL SECTION VIEWS AND DETAILS

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**CONSTRUCTION DOCUMENTS**

Issue Date: April, 19 2024  
Drawn By: WTD  
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Revisions:

Mark Date  
AHJ SEAL

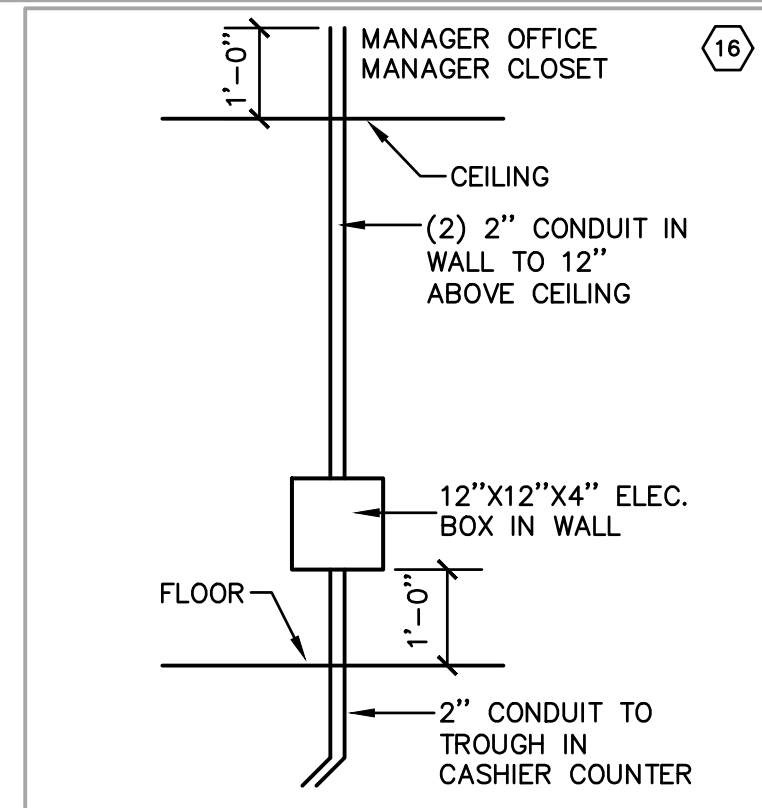
Project Number  
**24013.01**

**M-3.01**

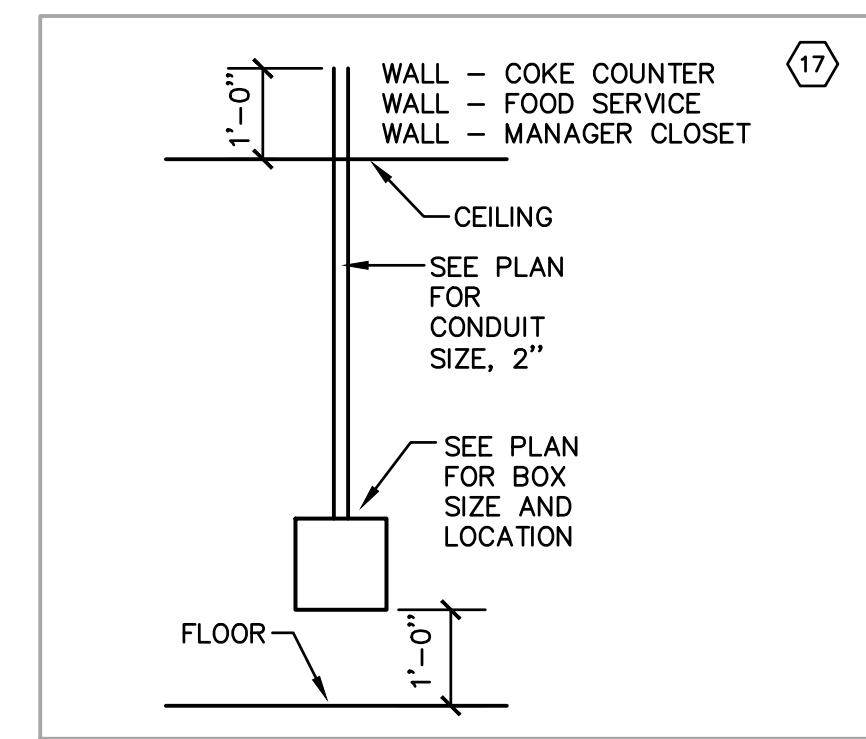
**LIGHT FIXTURE SCHEDULE**

TYPE	DESCRIPTION	MODEL	LAMPS	REMARKS	VOLTAGE
A4 72 FIXTURES	4' LED WITH HIGH STRENGTH POLYMER REFLECTOR AND HOUSING WITH TROUGH WIRING CHANNEL AND SURFACE OR SUSPENDED MOUNTING. PROVIDE 4000 LUMEN PACKAGE WITH 3500K COLOR TEMPERATURE.	LSI DW HO CW UE	LED'S INCLUDED.	PROVIDE WITH A MINIMUM 80 CRI AND 10 YEAR WARRANTY  MOUNT AT 11' ABOVE FINISHED FLOOR.	120V
A4E 7 FIXTURES	SAME FIXTURE AS "A4" BUT WITH EMERGENCY BATTERY.	LSI DW HO CW UE EM	LED'S INCLUDED.	PROVIDE WITH A MINIMUM 80 CRI AND 10 YEAR WARRANTY  MOUNT AT 11' ABOVE FINISHED FLOOR.	120V
C 15 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 HO CW UE	LED'S INCLUDED.	PROVIDE WITH A MINIMUM 80 CRI AND MINIMUM LM-80 RATING.	120V
EB 2 FIXTURES	LED COMPATIBLE, 375W, 90 MINUTE, SINE WAVE INVERTER WITH MAINTENANCE FREE BATTERY.	IOTA IIS 375 LED	NO LAMPS	PROVIDE SURFACE MOUNTED IN STORAGE ROOM AS INDICATED.	120V
F 5 FIXTURES	6" RECESSED LED DOWNLIGHT WITH SPECIFICATION GRADE REFLECTOR AND GALVANIZED STEEL FRAME.	RP 61100358/106300	LED'S INCLUDED.		120V
G 10 FIXTURES	LED SURFACE LIGHT WITH 5700K COLOR TEMPERATURE, DIE CAST ALUMINUM HOUSING WITH SYMMETRIC TYPE 5 DISTRIBUTION.	LSI CRU SM SC LED HO 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 9 FIXTURES	LED COVE LIGHTING.	(1) LSI-LDL3-12-LED-CW-24 (6) LSI LDL3-48-LED-CW-24 (6) LSI 12" JUMPER 35148302 (1) LSI RPSE40 LED 120 POWER SUPPLY (2) LSI RPSE100 LED 120 POWER SUPPLY	LED'S INCLUDED.	PROVIDE LENGTH AS INDICATED ON PLANS.  PROVIDE WITH A MINIMUM 85 CRI.	120V
J 9 FIXTURES	18" STEMS WITH CANOPY.	(7) LSI-AUP-S-LED-HO-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 10 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 HO CW UE BLK	LED'S INCLUDED.		120V
X1 2 FIXTURES	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 2TILED 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 4 FIXTURES	SINGLE HEAD EXTERIOR REMOTE EMERGENCY LIGHTING HEADS	LSI TILED W 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			

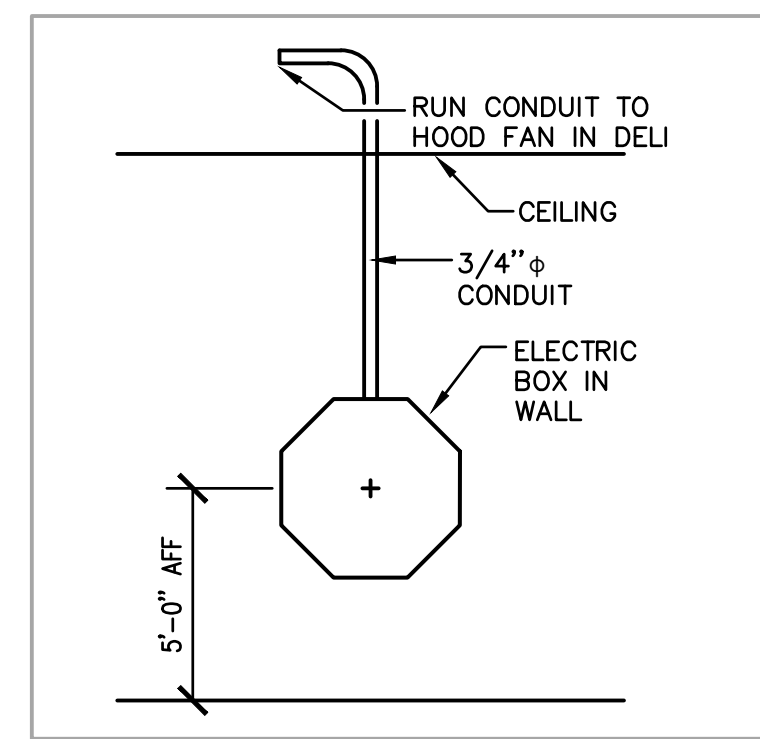
**EXTERIOR LIGHTING TIMECLOCK:**  
PROVIDE INTERMATIC ET9015C SINGLE CIRCUIT 365 DAY TIME CLOCK FOR EXTERIOR LIGHTING THROUGH SHUNT TRIP FUNCTION OF PANEL "D1"



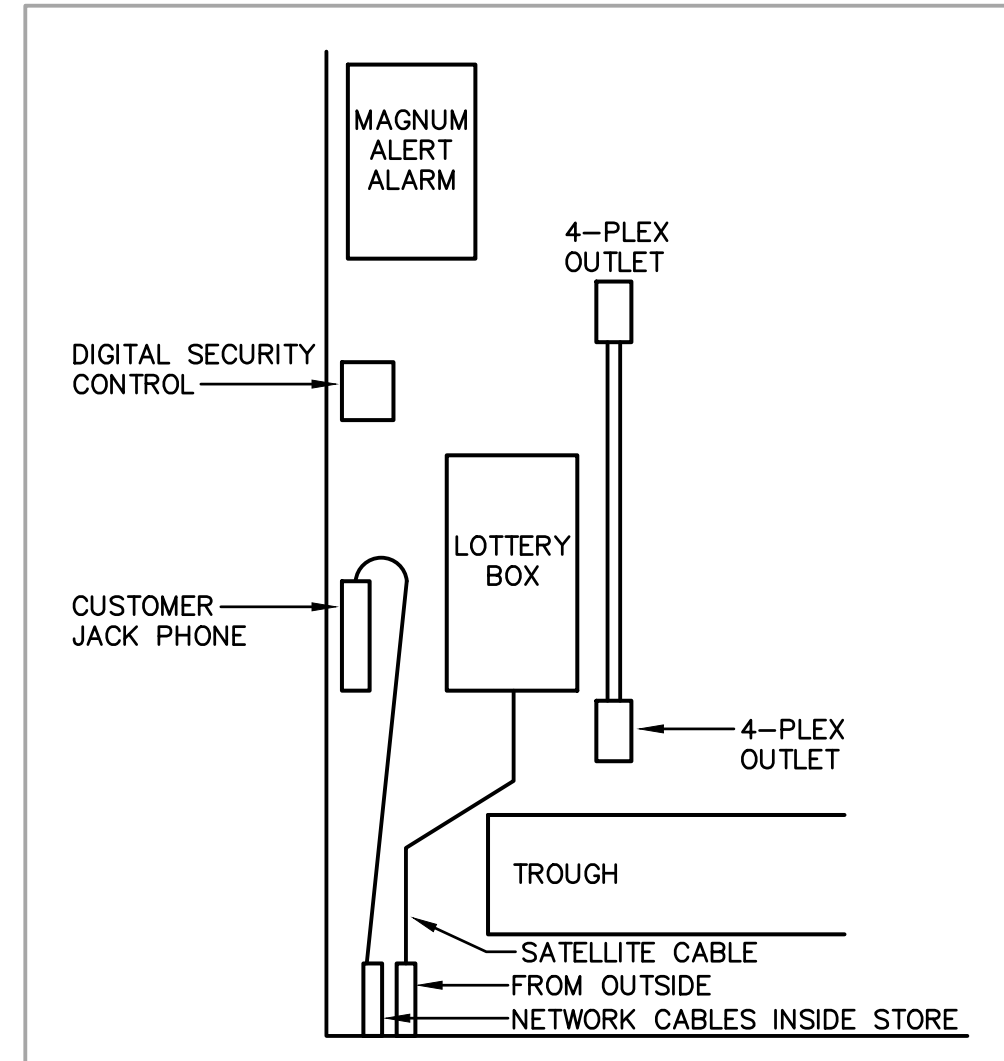
**01 WALL BOX DETAIL**  
E100 NO SCALE



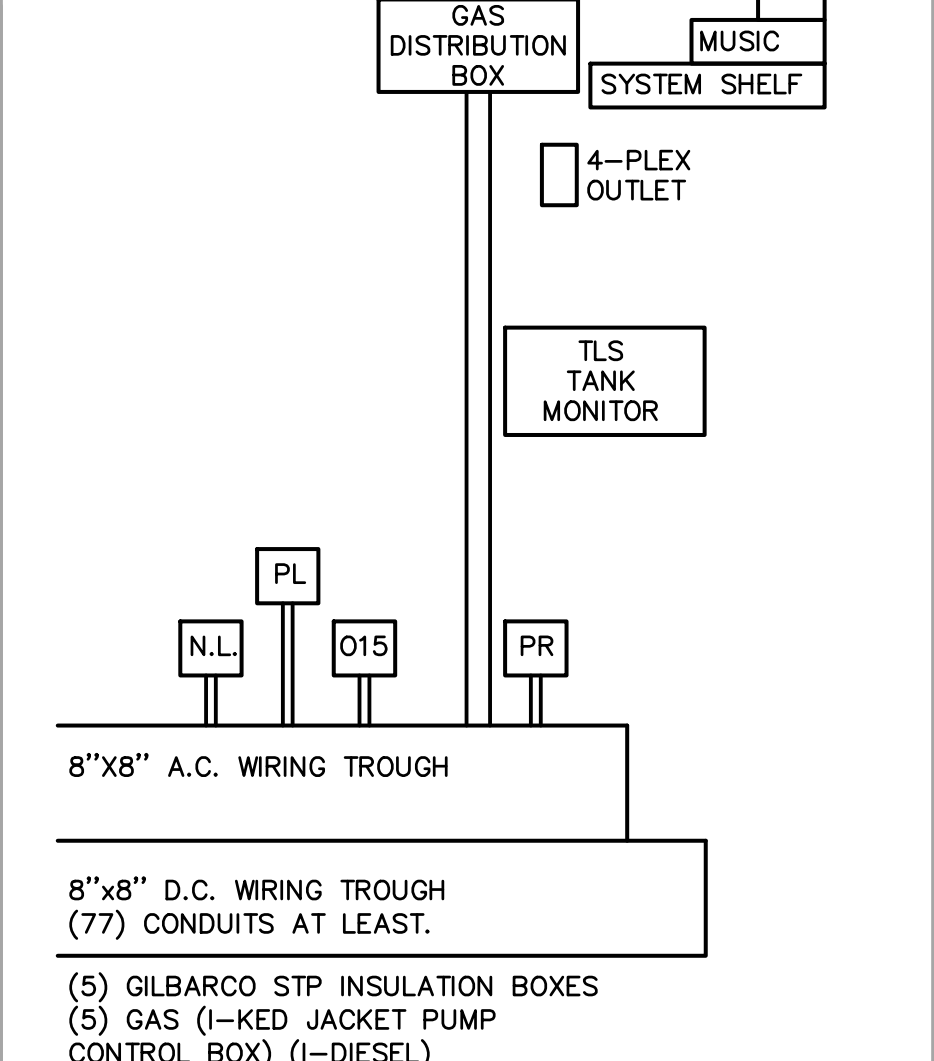
**02 WALL BOX DETAIL**  
E100 NO SCALE



**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

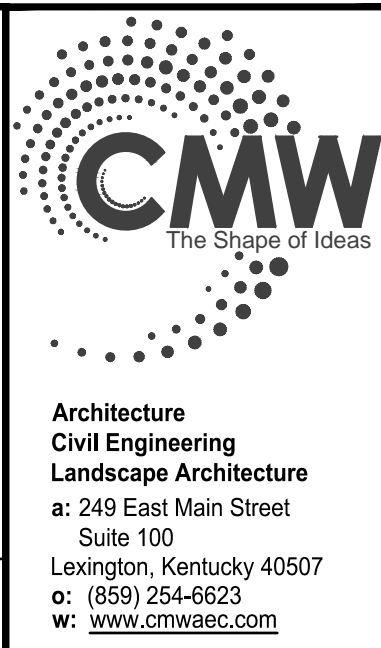
SYSTEM	ITEM	DEVICE MODEL & REFER TO SPEC'S IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL	
SYSTEM SWITCHES	LIGHT SWITCH - GENERAL PURPOSE			4'-0"	⊕	
	DIMMER SWITCH			4'-0"	⊕	
	THREE-WAY SWITCH			4'-0"	⊕	
	DUAL TECHNOLOGY ULTRASONIC WALL MOUNTED TYPE OCCUPANCY SENSOR	SENSOR SWITCH		4'-0"	⊕	
	PLOT LIGHT SWITCH ILLUMINATED WHEN LOAD IS ON			4'-0"	⊕	
	CEILING MOUNTED OCCUPANCY SENSOR	PAR ELECTRIC LIGHT ALERT SMART SWITCH - L02400		AS NOTED	⊕	
LIGHTING SHADING INDICATES EMERGENCY OPERATION, DIAGONAL SLASH INDICATES RECESSED	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		AS NOTED	⊕	
POWER OUTLETS	SIMPLEX			1'-6"	⊕	
	DUPLEX - SAFETY TYPE			1'-6"	⊕ S	
	DUPLEX			1'-6"	⊕	
	DUPLEX (ABOVE COUNTERTOP)			8" ACT.	⊕	
	DUPLEX WITH INTEGRAL GROUND FAULT PROTECTION			1'-6"	⊕ GFI	
	GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE DIVIDER IF LIGHTING CIRCUIT IS 277V)			4'-0"	⊕ C/S	
	QUADRUPLX RECEPTACLE			1'-6"	⊕	
	JUNCTION BOX			AS NOTED	⊕	
	208/1# RECEPTACLE, AS NOTED			1'-6"	⊕ SS	
	208/3# RECEPTACLE, AS NOTED			1'-6"	⊕ SS	
MISC. DUPLEX - SURGE SUPPRESSION TYPE			4'-0"	⊕ W		
DUPLEX - WALL MOUNTED			4'-0"	⊕		
WEATHER RESISTANT DUPLEX - WITH WEATHER-PROOF "W" IN USE" TYPE DIE-CAST METAL COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET. INTERMATIC CAUTIONARY SERIES OR EQUAL.			1'-6"	⊕ WP		
CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE. ARROWS INDICATE(S) HOME RUN & # OF 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				⊕ WP		
EMERGENCY PANELBOARD, SURFACE OR FLUSH MOUNTED			6'-6" TO TOP	⊕		
NORMAL PANELBOARD, SURFACE OR FLUSH MOUNTED			6'-6" TO TOP	⊕		
M.E.C. (MAJOR EQUIPMENT SCHEDULE) # INDICATOR				⊕		
TAGGED NOTE				⊕		
REVISION NOTE				⊕		
MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)				⊕		
JUNCTION BOX		AS NOTED	AS NOTED	⊕		
PROVIDE CONNECTION TO HAND ORDER				⊕		
PLUMBING FIXTURE SOLENOID 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 IF AS/IF PROVIDED. ADDITIONAL TRANSFORMERS OF SAME TYPE AS/IF NEEDED.				⊕		

SYSTEM	ITEM	DEVICE MODEL & REFER TO SPEC'S IF NONE LISTED	BACKBOX COVER IF APPLICABLE	MOUNTING HEIGHT	DRAWING SYMBOL
SPECIAL OUTLETS	PLUMBING FIXTURE SOLENOID VALVE/ELECTRIC EYE SENSOR CONNECTION. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER.				⊕
	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.		10	1'-6"	⊕
					⊕

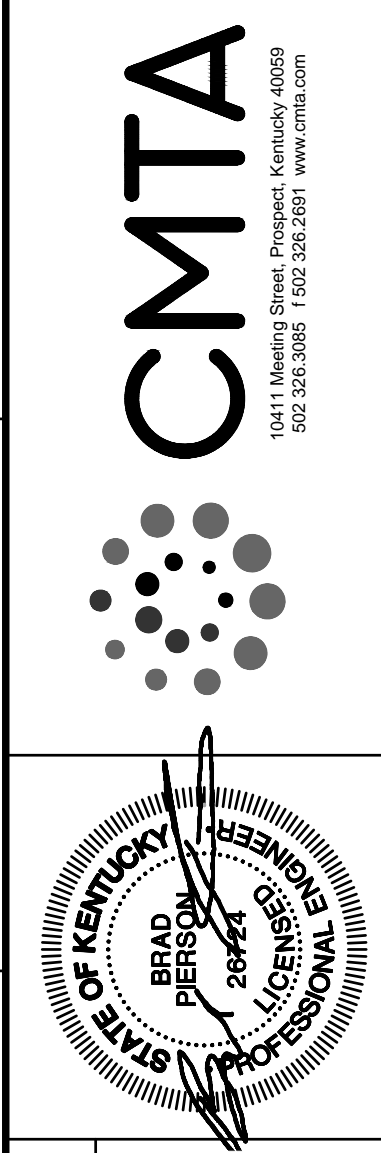
**AS BUILT DRAWINGS:**  
CONTRACTOR SHALL PROVIDE DETAILED AS BUILT DOCUMENTS UPON COMPLETION OF CONSTRUCTION INCLUDING A DIMENSIONED PLAN SHOWING LOCATIONS OF ALL CONDUITS.

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

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



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**ELECTRICAL LEGEND AND NOTES**  
FiveStar #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
2310 LONE OAK RD.  
PADUCAH, KY 42003

**CONSTRUCTION DOCUMENTS**

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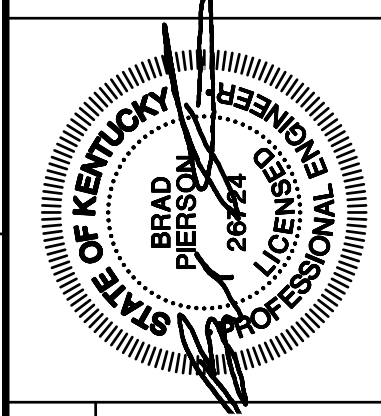
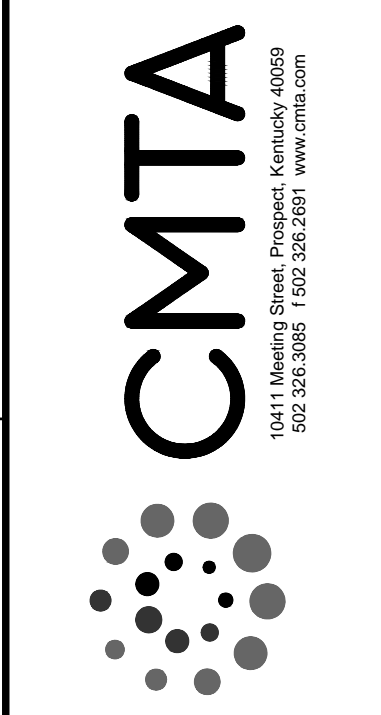
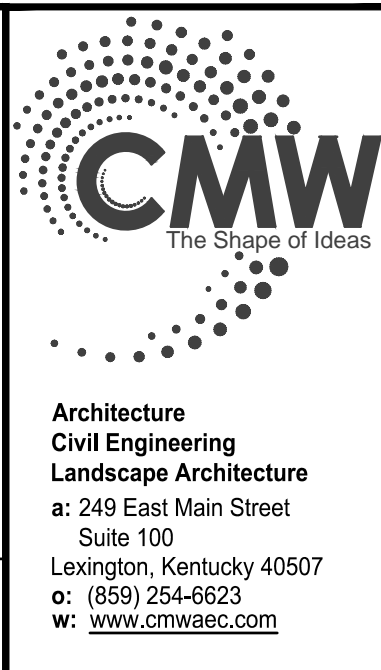
**PARTIAL FLOOR PLAN - LIGHTING**  
1/4" = 1'-0"

**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.G.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 RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. §310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. §300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. §100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- D. ALL UNDERGROUND TRENCHES SHALL BE FILLED WITH STONE.
- E. MC CABLING SHALL BE ACCEPTABLE WHERE CONCEALED IN WALLS AND CEILINGS. EMT SHALL BE USED AT ALL EXPOSED LOCATIONS.
- F. A DIMENSIONED AND DETAILED AS-BUILT PLAN SHALL BE PROVIDED BY THE CONTRACTOR INDICATING ALL CONDUIT ROUTES. THE CONTRACTOR SHALL TAKE AND PROVIDE PHOTOS OF ALL UNDERGROUND UTILITIES PRIOR TO COVERING OF TRENCHES.
- G. ALL EMPTY CONDUITS FOR FUTURE USE SHALL BE PROVIDED WITH A PULL STRING.
- H. ALL CONDUITS STUBBED UP FROM FLOOR INTO WIRING TROUGH SHALL BE SEALED AS REQUIRED FOR GAS SEALS. THIS SHALL APPLY TO ALL CONDUITS IN THE TROUGH WHETHER SERVING GAS EQUIPMENT OR NOT.
- I. ALL SWITCHES SHALL BE MOUNTED AS TIGHT TO DOOR FRAMES AS POSSIBLE TO MAXIMIZE AVAILABLE WALL SPACE. PROVIDE MULTITAP SWITCHBOXES WHEREVER POSSIBLE. NO SWITCHES SHALL BE MOUNTED ANY MORE THAN 12" FROM DOOR FRAME.

**TAGGED NOTES (LIGHTING):**

- 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) 3/4" CONDUITS THAT LOOP FROM ONE LEG OF THE SIGN TO THE OTHER LEG OF THE SIGN.
  - 6.C. ONE CONDUIT TO EACH SIGN SHALL HAVE (3) 120V 20 AMP CIRCUITS WITH #10 CONDUCTORS AND GROUND FOR EACH CIRCUIT. (2) CIRCUITS SHALL ALWAYS BE HOT AND ONE SHALL BE SWITCHED WITH THE EXTERIOR LIGHTING PHOTOCELL.
  - 6.D. ONE CONDUIT TO EACH SIGN IS FOR FUTURE LOW VOLTAGE USE. THIS CONDUIT SHALL NOT BE LOOPED BETWEEN SIGNS.
  - 6.E. THE SIGN CONDUIT SHALL NOT BE COMBINED WITH AREA LIGHTING. ALL AREA LIGHTS SHALL BE FEED THROUGH SEPARATE CONDUITS.
  - 6.F. ALL BUILDING SIGNS SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
  - 7. PROVIDE PERMANENT LABELS ON SWITCHES TO INDICATE LOAD SERVED.
  - 8. PROVIDE 2" CONDUIT FROM NEW SATELLITE LOCATION TO ELECTRIC 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 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 CONTACTOR FOR CONTROL OF ALL INTERIOR ZONE.
    - 11.B. EXTERIOR LIGHTING SWITCH: SHALL OVERRIDE EXTERIOR LIGHTING CONTACTOR.
    - 11.C. FAN SPEED CONTROL SWITCH.



**ELECTRICAL LIGHTING**  
 FiveStar #7624 - Paducah  
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**PARTIAL FLOOR PLAN - LIGHTING**  
1/4" = 1'-0"

**PARTIAL FLOOR PLAN - POWER/SYSTEMS**  
1/4" = 1'-0"

**FOOD SERVICE KITCHEN EQUIPMENT SCHEDULE :**

ITEM	QTY	DESCRIPTION	ELECTRICAL					REMARKS
			KW	HP	AMP	VOLT	PH	
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						● MULTIPLE ACC.
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	●
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			15.0	120	1	5-20P
34	2	CAPPUCCINO MACHINE			24.0	208	1	6-30P
36	3	BEAN TO CUP COFFEE			10.0	120	1	5-20P
37	1	CREAMER			3.0	120	1	5-20P
38	1	SUGAR						●
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	1.6		13.3	120	1	5-15P
56	1	CONVECTION WARMING OVEN	4.7		15.0	208	3	L15-20P
57	1	ICE CREAM CASE			4.6	120	1	5-15P
58	1	WORKTOP COOLER			2.0	120	1	5-15P

\* - DEVICES INDICATED WITH ASTERISKS SHALL BE ROUGHED IN WITH WIRE AND CONDUIT BUT PROVIDED WITH BLANK PLATE.

**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 (U.O.N.). CONDUIT SHALL BE 1/2" 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 RAN 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. MC CABLING SHALL BE ACCEPTABLE WHERE CONCEALED IN WALLS AND CEILINGS. EMT SHALL BE USED AT ALL EXPOSED LOCATIONS.
- E. A DIMENSIONED AND DETAILED AS-BUILT PLAN SHALL BE PROVIDED BY THE CONTRACTOR INDICATING ALL CONDUIT ROUTES. THE CONTRACTOR SHALL TAKE AND PROVIDE PHOTOS OF ALL UNDERGROUND UTILITIES PRIOR TO COVERING OF TRENCHES.
- 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. WHITE AT WHITE AND RED TILE, BROWN AT ALL BROWN TILE AND BY STORE FRONT, IVORY AGAINST ALL 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" CONDUITS 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 HAVE GALVANIZED 90'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.

**TAGGED NOTES (POWER) :**

1. PROVIDE EMERGENCY KILL SWITCH, ROUGH-IN AND STUB OUT ON EXTERIOR OF BUILDING FOR EMERGENCY PUMP SHUT DOWN. PROVIDE ADDITIONAL SINGLE GANG BOX BELOW FOR SPEAKER. ROUGH-INS SHALL BE CENTERED ABOUT BRICK. PROVIDE CONNECTION TO GAS PUMP PANEL SHUNT TRIP CONTROL AS REQUIRED. ROUGH-INS SHALL BE ON SIDE OF BUILDING FACING PUMP ISLAND. COORDINATE EXACT LOCATION FACING FILING AREA WITH PUMP INSTALLER. COORDINATE PRIOR TO START OF CONSTRUCTION FOR UNDERGROUND ROUTING REQUIREMENTS.
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 1 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/2P 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 10MM 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 CABLING FROM PHONE AND DATA DROPS INDICATED ON PLANS BACK TO THIS LOCATION. TERMINATE AND LABEL CABLING PER OWNER REQUIREMENTS. PROVIDE TELECOM UTILITY RACEWAYS FROM SITE TO RACK LOCATION. PROVIDE DEDICATED UTILITY SERVICE CONDUIT FOR LOTTERY PHONE LINE. COORDINATE EXACT REQUIREMENTS WITH OWNER AND SITE CONTRACTOR PRIOR TO ROUGH-IN. NETWORK AND VOICE CABLING SHALL BE CONTINUOUS 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, DEFROST 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 ELEVATIONS. 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 CABLING AND THE BOTTOM TROUGH SHALL BE USED FOR LOW VOLTAGE CABLING. TROUGHS SHALL BE OFFSET FROM EACH OTHER TO ALLOW ACCESS TO EACH TROUGH.
21. ALL RECEPTACLES ALONG COUNTER INDICATED SHALL BE INSTALLED

22. COMPLETELY TO THE BACK OF THE COUNTER AND SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS.
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 CANOPY ON SITE FOR CAMERA CABLING.
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 3/4" CONDUIT FROM BOX TO LOW VOLTAGE BOX ON INTERIOR SIDE OF WALL NEAR FLOOR. COORDINATE GAS CANOPY LOCATION WITH GENERAL CONTRACTOR AND INSTALL ON SIDE FACING CANOPY. MOUNT CENTERED ABOUT BRICK HORIZONTALLY AND VERTICALLY CENTERED ABOUT CLEARSTORY OPENING.
31. PROVIDE A TOTAL OF (4) 1" UNDERSLAB ELECTRICAL CONDUITS FOR WIRING FROM ELECTRICAL CLOSET. (1) CONDUIT SHALL BE SPARE AND PROVIDED WITH A PULL STRING. STUB UP AT LOCATION INDICATED ON ARCHITECTURAL DIMENSION PLAN.
32. PROVIDE EMPTY 3" CONDUIT WITH PULL STRING UNDERSLAB FROM ELECTRIC ROOM TO LOCATION INDICATED.

**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 (U.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 RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- D. ALL UNDERGROUND TRENCHES SHALL BE FILLED WITH STONE.
- E. MC CABLING SHALL BE ACCEPTABLE WHERE CONCEALED IN WALLS AND CEILINGS. EMT SHALL BE USED AT ALL EXPOSED LOCATIONS.
- F. A DIMENSIONED AND DETAILED AS-BUILT PLAN SHALL BE PROVIDED BY THE CONTRACTOR INDICATING ALL CONDUIT ROUTES. THE CONTRACTOR SHALL TAKE AND PROVIDE PHOTOS OF ALL UNDERGROUND UTILITIES PRIOR TO COVERING OF TRENCHES.
- G. ALL EMPTY CONDUITS FOR FUTURE USE SHALL BE PROVIDED WITH A PULL STRING.
- H. ALL CONDUITS STUBBED UP FROM FLOOR INTO WIRING TROUGH SHALL BE SEALED AS REQUIRED FOR GAS SEALS. THIS SHALL APPLY TO ALL CONDUITS IN THE TROUGH WHETHER SERVING GAS EQUIPMENT OR NOT.
- I. ALL SWITCHES SHALL BE MOUNTED AS TIGHT TO DOOR FRAMES AS POSSIBLE TO MAXIMIZE AVAILABLE WALL SPACE. PROVIDE MULTIGANG SWITCHBOXES WHEREVER POSSIBLE. NO SWITCHES SHALL BE MOUNTED ANY MORE THAN 12" FROM DOOR FRAME.

**TAGGED NOTES (LIGHTING) :**

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 SHELING 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 WIPPLE OUT THE BACKSIDE TO FEED SIGN. MOUNT 8-1/2" ABOVE FINISHED OPENING CENTERED OVER SHELING. 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 SIGN TO ANOTHER.
  - 6.B. ON THE POLE SIGN, PROVIDE (2) 3/4" CONDUITS THAT LOOP FROM ONE LEG OF THE SIGN TO THE OTHER LEG OF THE SIGN.
  - 6.C. ONE CONDUIT TO EACH SIGN SHALL HAVE (3) 120V 20 AMP CIRCUITS WITH #10 CONDUCTORS AND GROUND FOR EACH CIRCUIT. (2) CIRCUITS SHALL ALWAYS BE HOT AND ONE SHALL BE SWITCHED WITH THE EXTERIOR LIGHTING PHOTOCELL.
  - 6.D. ONE CONDUIT TO EACH SIGN IS FOR FUTURE LOW VOLTAGE USE. THIS CONDUIT SHALL NOT BE LOOPED BETWEEN SIGNS.
  - 6.E. THE SIGN CONDUIT SHALL NOT BE COMBINED WITH AREA LIGHTING. ALL AREA LIGHTS SHALL FEED THROUGH SEPARATE CONDUITS.
  - 6.F. ALL BUILDING SIGNS SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR.
7. PROVIDE PERMANENT LABELS ON SWITCHES TO INDICATE LOAD SERVED.
8. PROVIDE 2" CONDUIT FROM NEW SATELLITE LOCATION TO ELECTRIC 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 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.

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**REGISTERED PROFESSIONAL ENGINEER**  
STATE OF KENTUCKY  
No. 20424  
P. E. PERON  
2004

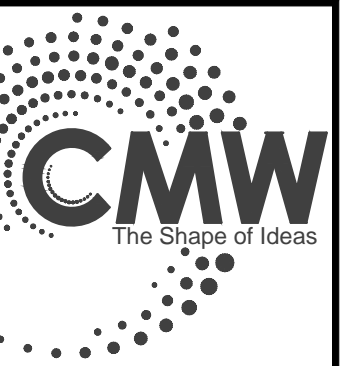
**ELECTRICAL PLANS**  
FiveStar #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
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**CONSTRUCTION DOCUMENTS**

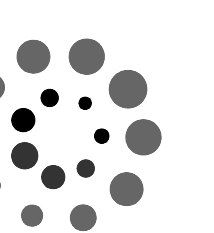
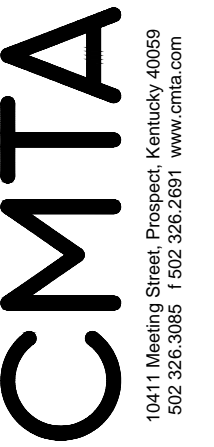
Issue Date: April, 19 2024  
Drawn By: WTD  
Checked By: DRH  
Revisions:

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LIGHTING CALCULATION - EMERGENCY

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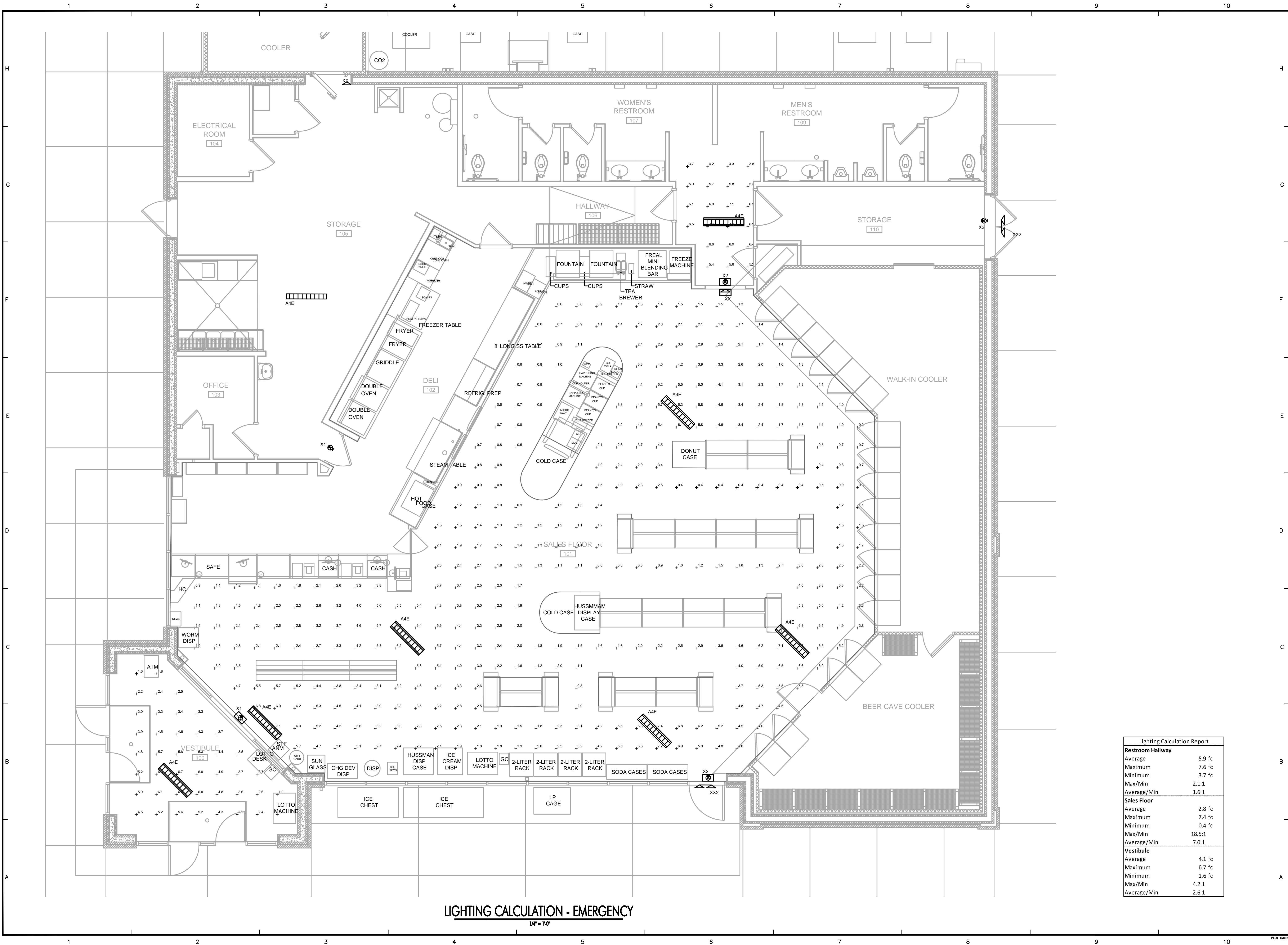
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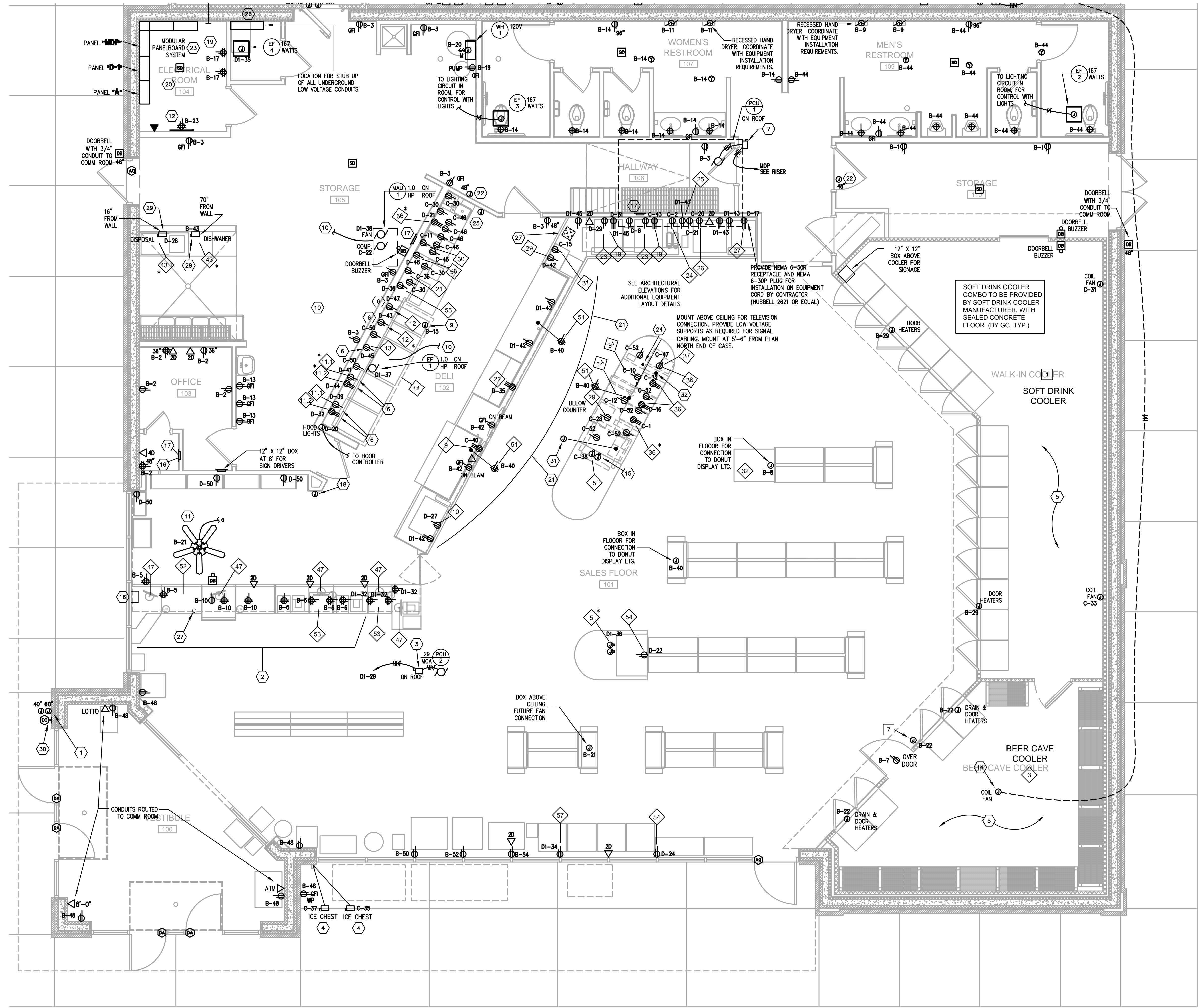
Project Number  
24013.01

E2.02

Lighting Calculation Report	
<b>Restroom Hallway</b>	
Average	5.9 fc
Maximum	7.6 fc
Minimum	3.7 fc
Max/Min	2.1:1
Average/Min	1.6:1
<b>Sales Floor</b>	
Average	2.8 fc
Maximum	7.4 fc
Minimum	0.4 fc
Max/Min	18.5:1
Average/Min	7.0:1
<b>Vestibule</b>	
Average	4.1 fc
Maximum	6.7 fc
Minimum	1.6 fc
Max/Min	4.2:1
Average/Min	2.6:1

LIGHTING CALCULATION - EMERGENCY  
1/4" = 1'-0"



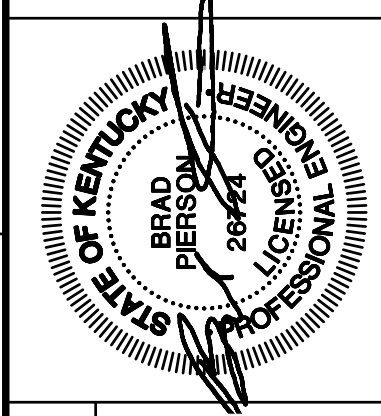


**PARTIAL ELECTRICAL - POWER/SYSTEMS**  
1/4" = 1'-0"

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**ELECTRICAL POWER/SYSTEMS**  
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Project Number  
**24013.01**

**E-3.00**

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

PANELBOARD:	A			AMPERES:	100	VOLTAGE:	120/208	PHASE:	1	WIRE:	3	MANUF.:	SQUARE D	TYPE:	MODULAR				
GND	CON	LOAD			DESIGNATION	WIRE	BKR	CKT	CKT	BKR	WIRE	DESIGNATION	LOAD	CON	GND				
		A	B	C									A	B	C				
12	3/4"	1.4			DISP 1+2	12	15/2	1	2	15/2	12	UNL STP	1.1			3/4"	12		
12	3/4"		1.4		DISP 3+4	12	15/2	3	4					1.1					
12	3/4"	1.4			DISP 5+6	12	15/2	5	6	15/2	12	SUPER STP	1.1			3/4"	12		
12	3/4"		1.4		DISP 7+8	12	15/2	7	8					1.1					
12	3/4"	1.4			DISP 9+10	12	15/2	9	10	15/2	12	DIESEL STP	1.1			3/4"	12		
12	3/4"		1.4		DISP 11+12	12	15/2	11	12					1.1					
12	3/4"	1.4			DISP 13+14	12	15/2	13	14	15/2	12	K-1 STP	0.7			3/4"	12		
12	3/4"		1.4		DISP 15+16	12	15/2	15	16					0.7					
12	3/4"	1.4			DISP 17+18	12	15/2	17	18	15/2	12	DEF STP	0.8			3/4"	12		
12	3/4"	0.6		0.6	GAS CANOPY LIGHTS	12	15/1	19	20					0.8					
12	3/4"	0.6		0.6	GAS CANOPY LIGHTS	12	15/1	21	22	15/1	12	DIESEL CANOPY LIGHTS	0.6			3/4"	12		
12	3/4"	0.6		0.6	GAS CANOPY LIGHTS	12	15/1	23	24	15/1	12	DIESEL CANOPY SIGN	1.0			3/4"	12		
12	3/4"	1.0			GAS CANOPY SIGN	12	15/1	25	26	20/2		SPARE							
					SPARE SWITCHED NEUTRAL		15/2	29	30	20/2		SPARE							
					SPARE SWITCHED NEUTRAL		15/2	33	34	20/2		SPARE							
					SPARE SWITCHED NEUTRAL		15/2	37	38	20/2		SPARE							
					SPACE			41	42	15/1	12	OUTLET FOR D-BOX	1.0			3/4"	12		
					SPACE			43	44	15/1		SPARE							
					SPACE			45	46	15/1		SPARE							
					SPACE			47	48	20/1		SPARE							
					SPACE			49	50	20/1		SPACE							
					SPACE			51	52	20/1		SPACE							
SUB-TOTAL					KVA				SUB-TOTAL				6.4	5.8					
EMERGENCY POWER					NO	MAIN BREAKER					EMERGENCY POWER								
BRANCH						MAIN LUGS				YES	A.I.C. RATING: 35,000							30.40	
GENERAL RECEPTACLE LOAD: 0.0 KVA					EQUIPMENT / LIGHTING LOAD: 27.6 KVA					NEC DEMAND LOAD: 27.6 KVA									

**TAGGED NOTES:**

- PROVIDE SQUARE "D" INTEGRATED POWER CENTER DISTRIBUTION SYSTEM AS SHOWN. MAIN DISTRIBUTION EQUIPMENT SHALL BE 1000A/120/208V/3PH/4W AND SHALL BE MAIN SERVICE RATED. PROVIDE WITH I-LINE STYLE MAIN DISTRIBUTION WITH MAIN SERVICE RATED BREAKERS FEEDING LOADS AS INDICATED ON RISER AND FLOOR PLANS. PROVIDE WITH MODULAR PANELBOARDS AND CONTACTORS AS INDICATED ON RISER AND FLOORPLANS FOR BRANCH CIRCUIT DISTRIBUTION AND CONTROL. ALL OVERCURRENT DEVICES IN MAIN PANEL AND ASSOCIATED MODULAR EQUIPMENT SHALL HAVE A RATING AT A MINIMUM OF 35 KAIC SHORT CIRCUIT RATINGS. PROVIDE A SURGE SUPPRESSION DEVICE "SPD" AT THE MAIN DISTRIBUTION PANEL AS WELL AS EACH BRANCH PANEL.
- PANEL "A" AND ASSOCIATED FUEL CONTACTOR SHALL BE DEDICATED FOR FUEL DISTRIBUTION EQUIPMENT. COORDINATE EXACT BRANCH CIRCUIT OVERCURRENT REQUIREMENTS WITH FUEL SERVICE PLANS AND CONTRACTOR. PROVIDE A STUBOUTS AS REQUIRED FOR BRANCH CIRCUITS AND CONTROLS. PROVIDE SEALS AT RACEWAY OPENINGS AS REQUIRED FOR SERVING FUEL DISTRIBUTION EQUIPMENT.
- PROVIDE PANEL "D-1" AND ASSOCIATED CONTACTOR AS REQUIRED FOR EXTERIOR LIGHTING CONNECTIONS AND CONTROL. REFER TO FLOORPLANS AND SCHEDULES FOR FURTHER REQUIREMENTS. COORDINATE EXACT CONTROL REQUIREMENTS WITH KITCHEN HOOD SHOP DRAWINGS AND INSTALLER.

**GENERAL POWER RISER NOTES:**

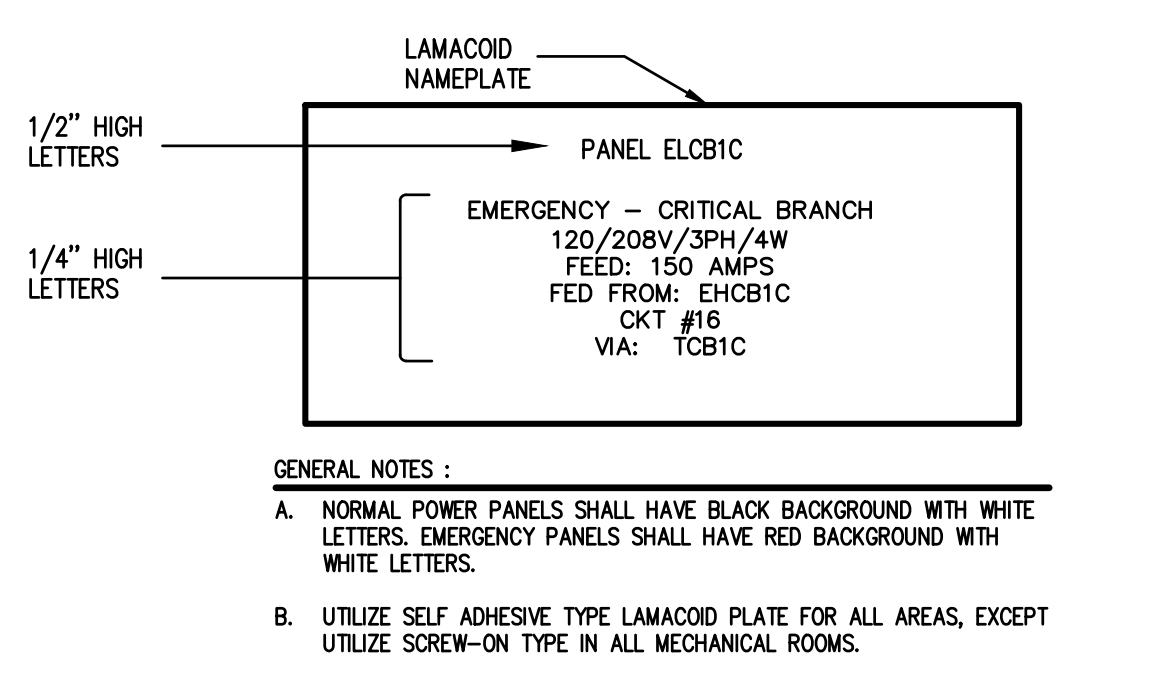
- REFER TO DETAIL FOR TYPICAL PANEL LABELING REQUIREMENTS.
- ALL "I-LINE" PANELS SHALL BE AS SCHEDULED ON THIS RISER (EXCEPT WHERE INDICATED, THE CONTRACTOR SHALL REFER TO THE PANELBOARD SCHEDULES FOR COMPLETE BREAKER SCHEDULE).
- SERVICE EQUIPMENT SHALL BE MARKED WITH THE MAXIMUM AVAILABLE FAULT-CURRENT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

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

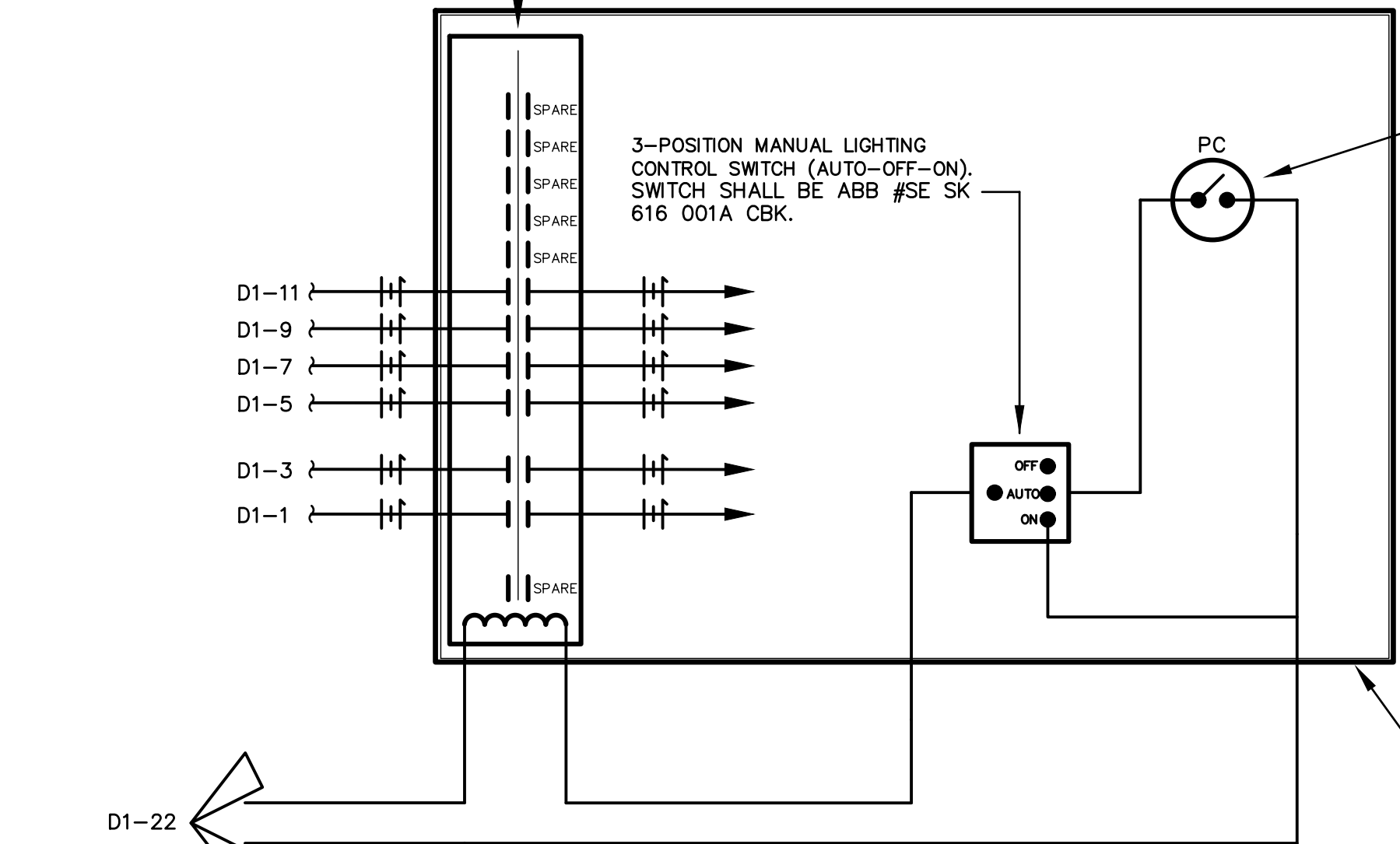
LOAD	KVA	3 PHASE AMPS
PANEL "A"	26.7 KVA	74A
PANEL "B"	65.2 KVA	181A
PANEL "C"	54.4 KVA	151A
PANEL "D"	53.5 KVA	149A
PANEL "D-1"	59.7 KVA	166A
HVAC PCU-1	28.5 KVA	79A
<b>TOTAL</b>	<b>258.0 KVA</b>	<b>715A</b>

**POWER RISER FEEDER SCHEDULE:**

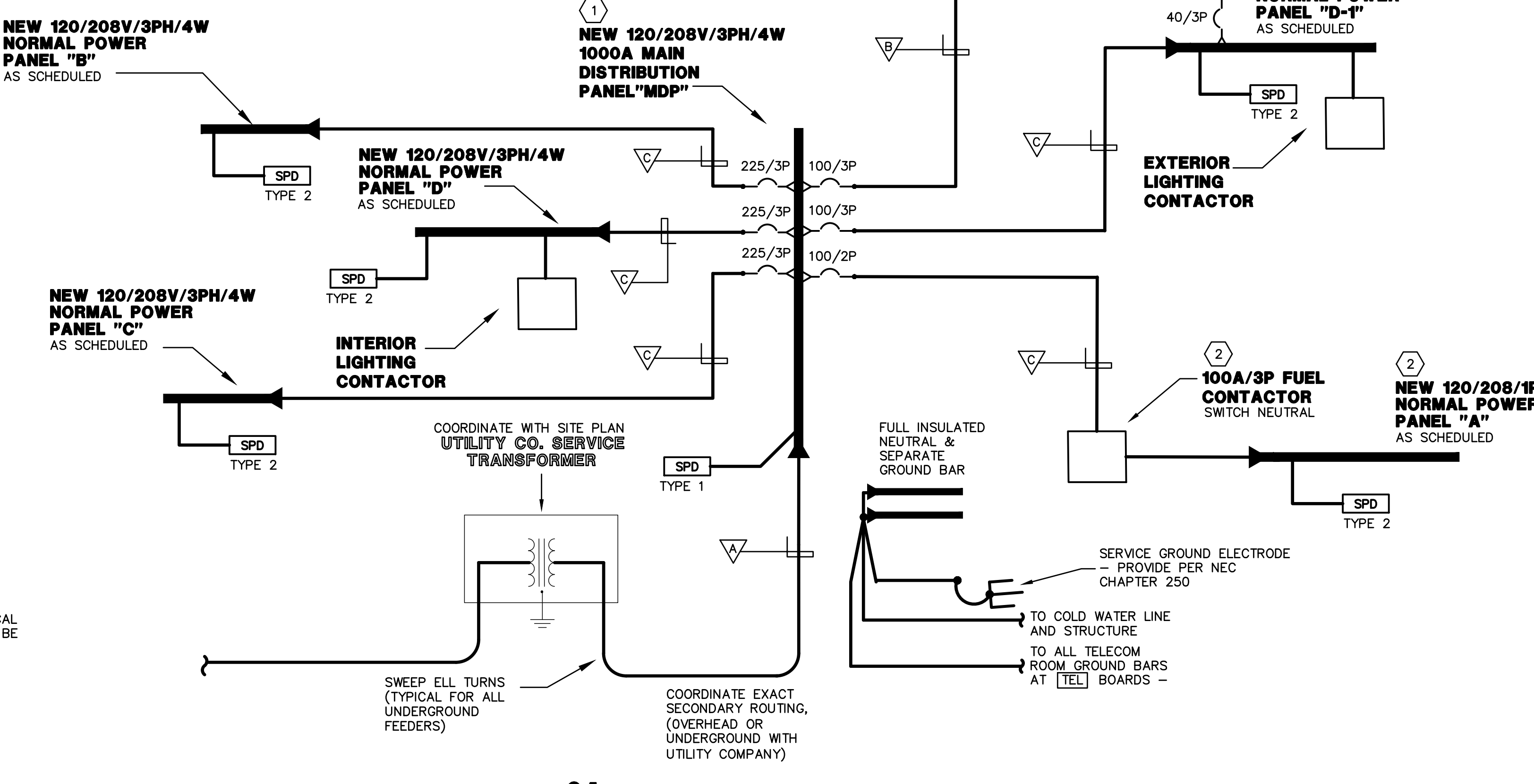
- PROVIDE 3 PARALLEL RUNS OF 4 #400 Kcmil IN 3" CONDUITS.
- PROVIDE (3) #3 + (1) #8 GROUND IN 1-1/4" CONDUIT.
- INTEGRATED PANEL FEEDERS SHALL BE FACTORY INSTALLED TYPE THHN POWER CABLES AND SHALL BE SIZED PER NEC CHAPTER 310. WHERE EQUIPMENT MUST BE DISASSEMBLED FOR SHIPPING THE CONTRACTOR SHALL TERMINATE FACTORY PROVIDED CABLES AS REQUIRED UPON REASSEMBLY. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER.
- PROVIDE (3) #8 + (1) #10 GROUND IN 3/4" CONDUIT.



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



**AUTOMATIC LIGHTING CONTROL SCHEMATIC**  
NO SCALE

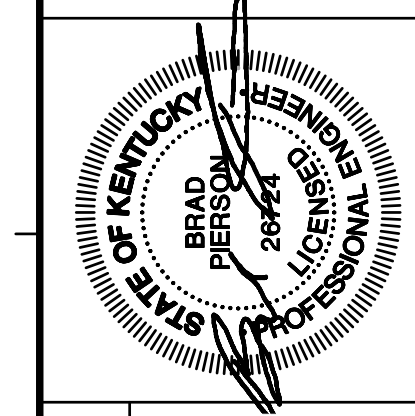


**01 POWER DISTRIBUTION RISER DIAGRAM**  
NO SCALE

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ELECTRICAL RISER AND SCHEDULES

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Project Number	<b>24013.01</b>

E-4.00



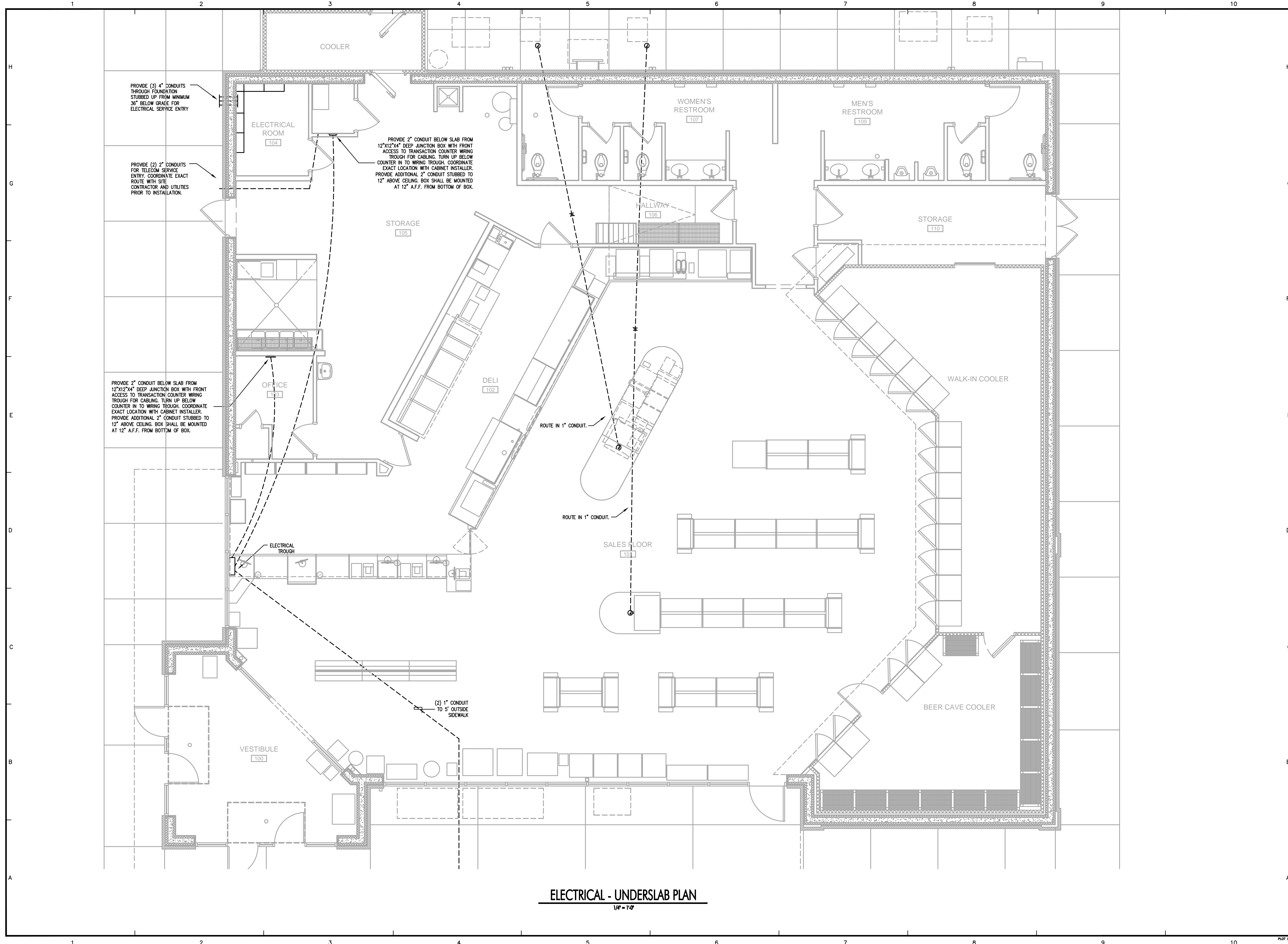
PANELBOARD AND WIRING SCHEDULE																			
PANELBOARD: B				AMPERES:	225	VOLTAGE 120/208	PHASE:	3	WIRE:	4	MANUF.:	SQUARE D	TYPE:	MODULAR					
GND	CON	LOAD			DESIGNATION	WIRE	BKR	CKT	OCT	BKR	WIRE	DESIGNATION	LOAD			CON	GND		
		A	B	C									A	B	C				
12	3/4"	0.4			STORAGE - RCP	12	GFI	1	2	20/1	12	OFFICE - RCP	1.2			3/4"	12		
12	3/4"		0.7		STORAGE - RCP	12	GFI	3	4	20/1	12	CASH REGISTER - RCP	0.6			3/4"	12		
12	3/4"			0.7	CASH REGISTER - RCP	12	GFI	5	6	20/1	12	CASH REGISTER - RCP	0.8			3/4"	12		
12	3/4"	0.2			BEER CAVE DOOR - RCP	12	GFI	7	8	20/1	12	DONUT CASE	0.2			3/4"	12		
12	3/4"		1.0		HAND DRYER - MBNS	12	GFI	9	10	20/1	12	LOTTERY	0.4			3/4"	12		
12	3/4"			1.0	HAND DRYER - WOMENS	12	GFI	11	12	GFI	12	EXTERIOR RECEPTACLES - REAR	0.4			3/4"	12		
12	3/4"	0.8			STORAGE - RCP	12	GFI	13	14	GFI	12	WOMEN'S RESTROOM - RCP	0.7			3/4"	12		
12	3/4"		0.0		HOOD GAS SOLENOID (SHUNT T.)	12	GFI	15	16	20/2	12	FOUNTAIN ICE MACHINE	1.2			3/4"	12		
12	3/4"			0.7	ELEC ROOM - RCP	12	GFI	17	18	---	---	---	1.2			---	---		
12	3/4"	0.4			JOKEY PUMP	12	GFI	19	20	20/1	12	WH-1	1.0			3/4"	12		
12	3/4"		0.9		CEILING FANS	12	GFI	21	22	20/1	12	BEER CAVE DOOR HEATERS	1.0			3/4"	12		
12	3/4"			0.4	TELECOM - RCP	12	GFI	23	24	20/1	12	STORE - RCP	1.0			3/4"	12		
12	3/4"	1.2			DELI CASE - COMPRESSOR	12	GFI	25	26	40/3	8	WALK-IN FREEZER - COMP.	4.5			3/4"	10		
---	---		1.2		---	---	---	27	28	---	---	---	4.5			---	---		
12	3/4"			1.0	SOFT DRINK DOOR HEATERS	12	GFI	29	30	---	---	---	4.5			---	---		
---	---		3.2		BEER CAVE COMPRESSOR	8	40/3	31	32	20/1	12	WALK-IN FREEZER - LIGHTS	0.5			3/4"	12		
---	---			3.2	---	---	---	33	34	20/1	12	COUNTER - RCP	0.6			3/4"	12		
---	---			3.2	---	---	---	35	36	20/2	12	FOUNTAIN ICE MACHINE	1.2			3/4"	12		
10	3/4"	3.2			WALK-IN BEV. COOLER COMP.	8	40/3	37	38	---	---	---	1.2			---	---		
---	---		3.2		---	---	---	39	40	20/1	12	FOUNTAIN SIGNS	0.1			3/4"	12		
---	---			3.2	---	---	---	41	42	20/1	12	COFFEE TV'S	0.4			3/4"	12		
10	1"				FUT. DISHWASHER	6	60/3	43	44	20/1	12	RCP - MENS RESTROOM	0.7			3/4"	12		
---	---				---	---	---	45	46	20/1	12	WALK-IN FREEZER - HEAT	0.5			3/4"	12		
---	---				---	---	---	47	48	20/1	12	VESTIBULE - RCP	1.0			3/4"	12		
---	---				---	---	---	49	50	20/1	12	STOREFRONT - RCP	0.2			3/4"	12		
---	---				---	---	---	51	52	20/1	12	STOREFRONT - RCP	0.2			3/4"	12		
---	---				---	---	---	53	54	20/1	12	STOREFRONT - RCP	0.2			3/4"	12		
		9.4	10.2	10.2	<b>SUB-TOTAL</b>	KVA					KVA	<b>SUB-TOTAL</b>	10.2	9.1	10.7				
EMERGENCY POWER:		NO				MAIN BREAKER:				MAIN LUGS:		YES		A.I.C. RATING: 18,000					
BRANCH:						YES		A.I.C. RATING: 18,000								59.8			

GENERAL RECEPTACLE LOAD: 12.2 KVA  
EQUIPMENT / LIGHTING LOAD: 53.0 KVA  
NET DEMAND LOAD: 65.2 KVA

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	CKT	OCT	BKR	WIRE	DESIGNATION	LOAD			CON	GND		
		A	B	C									A	B	C				
12	3/4"	1.0			CUSTOMER AREA - LTG.	12	GFI	1	2	20/1	12	COUNTER AREA - LTG.	1.9			3/4"	12		
12	3/4"		1.6		CUSTOMER AREA - LTG.	12	GFI	3	4	20/1	12	BUILDING CANOPY - LTG.	1.3			3/4"	12		
12	3/4"			0.9	COOLER - LTG.	12	GFI	5	6	20/1	12	COVE - LTG.	0.4			3/4"	12		
12	3/4"	1.1			BACK ROOM - LTG.	12	GFI	7	8	20/1	12	GRAPHICS - LTG.	1.0			3/4"	12		
12	3/4"		0.2		BACK ROOM - LTG.	12	GFI	9	10	20/1	12	EMERGENCY LTG.	0.1			3/4"	12		
10	1"			1.2	SITE SIGN	10	GFI	11	12	20/1	10	SITE POLE LIGHTS	1.5			1"	10		
10	1"	1.2			SITE SIGN	10	GFI	13	14	---	---	---	1.5			---	---		
10	1"			1.2	SITE SIGN	10	GFI	15	16	---	---	---	1.5			---	---		
10	1"			1.2	SITE SIGN	10	GFI	17	18	20/1	12	CUSTOMER AREA - LTG.	0.9			3/4"	12		
12	3/4"	0.2			COOLER / FREEZER LTG.	12	GFI	19	20	20/1	12	HOOD LIGHTS	1.0			3/4"	12		
10	3/4"		3.5		OVEN / PROOFER	8	40/3	21	22	20/1	12	HUSSMAN DISPLAY	1.1			3/4"	12		
---	---		3.5		---	---	---	23	24	20/1	12	HUSSMAN DISPLAY	1.1			3/4"	12		
---	---			3.5	---	---	---	25	26	40/3	8	OVEN / PROOFER	3.5			3/4"	10		
12	3/4"		1.5		HOT SANDWICH CASE 120V	12	GFI	27	28	---	---	---	3.5			---	---		
12	3/4"			1.0	FOUNTAIN MACHINE	12	GFI	29	30	---	---	---	3.5			---	---		
10	3/4"	1.7			ICEMAKER - INDOOR UNIT	10	GFI	31	32	20/2	12	HOLDING CABINET	1.0			3/4"	12		
---	---		1.7		---	---	---	33	34	GFI	---	---	1.0			---	---		
12	3/4"			0.5	FOOD PREP TABLE	12	GFI	35	36	20/1	12	FUT. FOOD WARMER	1.2			3/4"	12		
---	---			0.5	---	---	---	37	38	20/2	10	COOLER - COMPRESSOR	1.2			3/4"	10		
12	3/4"		1.0		CONVECTION OVEN	12	GFI	39	40	---	---	---	1.2			---	---		
12	3/4"				FUT. CONVECTION OVEN	12	GFI	41	42	GFI	12	MICROWAVE	1.2			3/4"	12		
12	3/4"				FUT. FRYER	12	GFI	43	44	20/2	12	FUT. HOLDING CABINET	1.0			3/4"	12		
12	3/4"		1.0		GRIDDLE	12	GFI	45	46	GFI	---	---	1.0			---	---		
12	3/4"			1.4	FRYER	12	GFI	47	48	20/1	12	WORKTOP COOLER	1.0			3/4"	12		
12	3/4"	0.3			LTG - BEER CAVE	12	GFI	49	50	20/1	12	OGARETTE WALL - RCP	0.5			3/4"	12		
12	3/4"		0.2		STORAGE - LTG	12	GFI	51	52	20/2	12	DELI CASE - COMPRESSOR	1.2			3/4"	12		
12	3/4"			0.5	RESTROOM - LTG	12	GFI	53	54	---	---	---	1.2			---	---		
		9.5	11.9	10.1	<b>SUB-TOTAL</b>	KVA					KVA	<b>SUB-TOTAL</b>	11.6	10.9	10.8				
EMERGENCY POWER:		NO				MAIN BREAKER:				MAIN LUGS:		YES		A.I.C. RATING: 18,000					
BRANCH:						YES		A.I.C. RATING: 18,000								64.8			

GENERAL RECEPTACLE LOAD: 6.0 KVA  
EQUIPMENT / LIGHTING LOAD: 0.5 KVA  
NET DEMAND LOAD: 6.5 KVA

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	CKT	OCT	BKR	WIRE	DESIGNATION	LOAD			CON	GND		
		A	B	C									A	B	C				
10	3/4"				FUT. BEAN TO CLIP MACHINE	10	GFI	1	2	GFI	12	TEA MACHINE	1.0			3/4"	12		
---	---				---	---	---	3	4	GFI	12	FOUNTAIN WALL RCP	0.2			3/4"	12		
12	3/4"			1.2	COFFEE BREWER	12	GFI	5	6	GFI	12	FOUNTAIN MACHINE	1.0			3/4"	12		
12	3/4"	0.2			BACK DELI WALL RCP	12	GFI	7	8	GFI	12	FOUNTAIN WALL RCP	0.2			3/4"	12		
12	3/4"		1.0		TOASTER - RCP	12	GFI	9	10	30/1	10	CAPPUCCINO	1.0			3/4"	10		
12	3/4"		1.5		INDUCTION RANGE - RCP	12	GFI	11	12	30/1	10	CHOCOLATE CAPPUCCINO	1.0			3/4"	10		
12	3/4"	1.0			BACK DELI WALL RCP	12	GFI	13	14	GFI	12	FRAPPE MACHINE	1.0			3/4"	12		
12	3/4"		1.0		BAKED GOODS RECEPTACLE	12	GFI	15	16	30/2	10	BEAN TO CLIP MACHINE	2.5			3/4"	10		
12	3/4"		1.2		FROZEN CARB. BEVERAGE	12	GFI	17	18	---	---	---	2.5			---	---		
---	---		1.2		---	---	---	19	20	GFI	12	FREAL FREEZER	1.2			3/4"	12		
12	3/4"		1.2		FREAL MIXER	12	GFI	21	22	20/3	12	MAU COMPRESSOR	0.8			3/4"	12		
12	3/4"			1.0	MICROWAVE	12	GFI	23	24	---	---	---	0.8			---	---		
12	3/4"	1.0			BEER CAVE DOORS	12	GFI	25	26	---	---	---	0.8			---	---		
12	3/4"		1.0		COOLER DOORS	12	GFI	27	28	GFI	12	MICROWAVE	1.2			3/4"	12		
12	3/4"			1.0	BEER CAVE EVAPORATOR	12	GFI	29	30	GFI	12	HOOD WALL - RCP	0.8			3/4"	12		
12	3/4"	1.5			COOLER EVAPORATOR	12	GFI	31	32	30/2	10	BEAN TO CLIP MACHINE	2.5			3/4"	10		
12	3/4"		1.5		COOLER EVAPORATOR	12	GFI	33	34	---	---	---	2.5			---	---		
12	3/4"			1.0	ICE CHEST	12	GFI	35	36	GFI	12	FREEZER - RCP	1.0			3/4"	12		
12	3/4"	1.0			ICE CHEST	12	GFI	37	38	GFI	12	REFRIGERATED CASE	0.4			3/4"	12		
12	3/4"		0.2		FOUNTAIN WALL RCP	12	GFI	39	40	50/2	8	STEAM TABLE	2.6			3/4"	10		
12	3/4"			0.2	FOUNTAIN WALL RCP	12	GFI	41	42	---	---	---	2.6			---	---		
10	3/4"	1.7			ICEMAKER - INDOOR UNIT	10	GFI	43	44	GFI	12	FRONT DELI WALL RECEPTACLE	0.2			3/4"	12		
---	---		1.7		---	---	---	45	46	GFI	12	HOOD WALL - RCP	1.0			3/4"	12		
12	3/4"			1.2	CREAM AND SUGAR MACH.	12	GFI	47	48	GFI	12	CARBONATION PUMPS	1.0			3/4"	12		
---	---			1.2	---	---	---	49	50	GFI	12	HOOD WALL - RCP	0.4			3/4"	12		
---	---			1.2	---	---	---	51	52	20/1	12	DELI ISLAND - RCP	0.7			3/4"	12		
---	---			1.2	---	---	---	53	54	GFI	12	FOUNTAIN WALL RCP	0.7			3/4"	12		
		7.6	7.6	8.3	<b>SUB-TOTAL</b>	KVA					KVA	<b>SUB-TOTAL</b>	7.7	12.5	10.7				
EMERGENCY POWER:		NO				MAIN BREAKER:				MAIN LUGS:		YES		A.I.C. RATING: 18,000					
BRANCH:						YES		A.I.C. RATING: 18,000								54.4			



PROVIDE (3) 4" CONDUITS THROUGH FOUNDATION STUBBED UP FROM MINIMUM 36" BELOW GRADE FOR ELECTRICAL SERVICE ENTRY

PROVIDE (2) 2" CONDUITS FOR TELECOM SERVICE ENTRY. COORDINATE EXACT ROUTE WITH SITE CONTRACTOR AND UTILITIES PRIOR TO INSTALLATION.

PROVIDE 2" CONDUIT BELOW SLAB FROM 12"x12"x4" DEEP JUNCTION BOX WITH FRONT ACCESS TO TRANSACTION COUNTER WIRING TROUGH FOR CABLING. TURN UP BELOW COUNTER IN TO WIRING TROUGH. COORDINATE EXACT LOCATION WITH CABINET INSTALLER. PROVIDE ADDITIONAL 2" CONDUIT STUBBED TO 12" ABOVE CEILING. BOX SHALL BE MOUNTED AT 12" A.F.F. FROM BOTTOM OF BOX.

PROVIDE 2" CONDUIT BELOW SLAB FROM 12"x12"x4" DEEP JUNCTION BOX WITH FRONT ACCESS TO TRANSACTION COUNTER WIRING TROUGH FOR CABLING. TURN UP BELOW COUNTER IN TO WIRING TROUGH. COORDINATE EXACT LOCATION WITH CABINET INSTALLER. PROVIDE ADDITIONAL 2" CONDUIT STUBBED TO 12" ABOVE CEILING. BOX SHALL BE MOUNTED AT 12" A.F.F. FROM BOTTOM OF BOX.

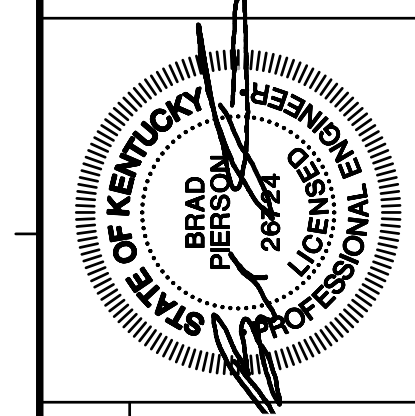
(2) 1" CONDUIT TO 5' OUTSIDE SIDEWALK

**ELECTRICAL - UNDERSLAB PLAN**  
1/8" = 1'-0"

**CMW**  
The Shape of Ideas

Architecture  
Civil Engineering  
Landscape Architecture  
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**ELECTRICAL UNDERSLAB PLAN**  
FiveStar #7624 - Paducah  
**NEWCOMB OIL CO., LLC**  
2310 LONE OAK RD.  
PADUCAH, KY 42003

**CONSTRUCTION DOCUMENTS**

Issue Date:	April, 19 2024
Drawn By:	WTD
Checked By:	DRH
Revisions:	
Mark	Date
AHJ SEAL	

Project Number  
**24013.01**

**UE-3.00**