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Issue Record:	
04/03/24	ICP Sketch
05/29/24	Permit Issue
06/12/24	Bid Issue
09/02/24	Construction Set
09/06/24	Construction Addenda

[illegible]

Project No.
01768

Life Safety Plan

G001

1. RE CODE COMPLIANCE DATA ON SHEET 6000 FOR ADDITIONAL CODE STUDY INFORMATION.

2. EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 200 FEET PER TABLE 1017.2

3. COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 30 FEET FROM ANY SEAT TO A POINT WHERE AN OCCUPANT HAS THE CHOICE OF TWO PATHS OF EGRESS TRAVEL TO TWO EXITS, PER SECTION 1030.8.

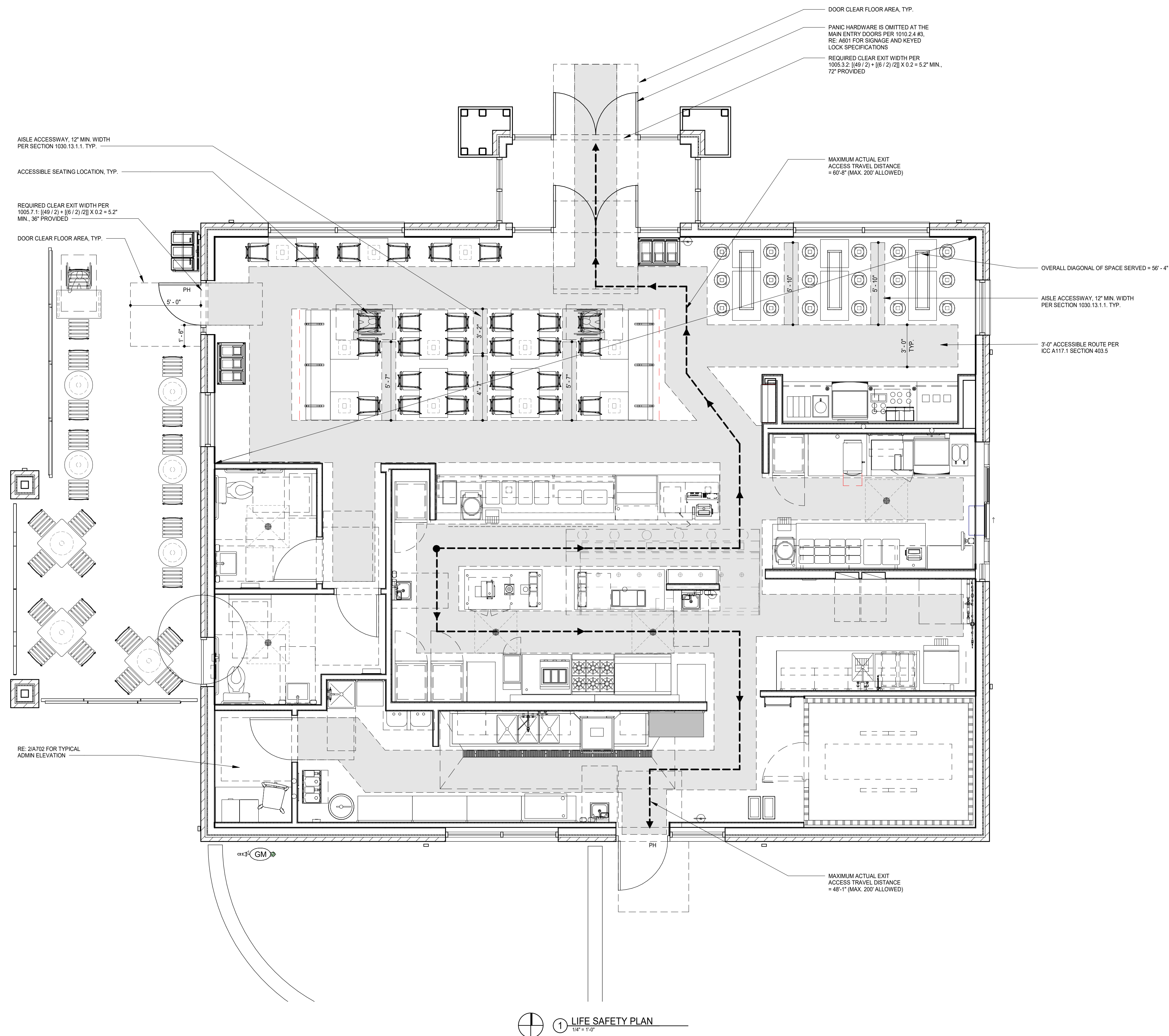
4. SECTION 1030.8 EXCEPTION 1: FOR AREAS SERVING LESS THAN 50 OCCUPANTS, THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 75 FEET.

RE: A130 FOR PORTABLE FIRE EXTINGUISHER LOCATIONS.

RE: A130 FOR TACTILE EXIT SIGN AND OCCUPANT LOAD SIGN LOCATIONS.

RE: SP100 FOR ACCESSIBLE PARKING LOCATIONS AND ACCESSIBLE PATH TO MAIN ENTRY.

PH DESIGNATES PANIC HARDWARE: RE: A801 FOR DOOR HARDWARE SCHEDULE.



 **1** LIFE SAFETY PLAN
1/4" = 1'-0"

2.1 Materials:	3.1 Installation	3. Finish	2. Fabricate millwork in accordance with AWI "Custom Grade" requirements. Where details are not shown, comply with applicable Quality Standards or with alternate details acceptable to Architect as fabricator's option.
A. Resinous Flooring: Manufacturer: aiflooring 1. Contact: 1218 West 41st Street, Suite B, Tulsa, Oklahoma 74107. Phone: 918-445-0627	A. Surface Conditions 1. Examine substrate, with installer present, for conditions affecting performance of finish. Correct conditions detrimental to timely and proper work. Do not proceed until unsatisfactory conditions are corrected. 2. Verify that base slab meets finish and surface profile requirements in Division 3 Section "Cast-In-Place Concrete," and Project Conditions above. 3. Prior to application, verify that floor surfaces are free of construction latents.	a. Patio railing shall be painted PPG Durethane, color 518-6 Knight's Armor. Refer to Section 09900 - Paints and Coatings for preparation.	3. Fabricate finished work properly framed, closely fit and accurately set to required lines and levels and rigidly secured in place.
2.1 Flooring System:	B. Application The following RetroPlate process will be followed as listed below: A concrete grinding machine must be used. Please proceed accordingly. The process is as follows: 1. Floors should be started using 50, 80 or 100 grit diamond pucks depending on the condition of the slab. 2. Clean the floor using automatic scrubber or comparable. 3. Grind floor using 200 grit resin diamonds. 4. Clean the floor using automatic scrubber or comparable. 5. Apply RetroPlate 99 to floor at 200 sq. ft. per gallon, scrubbing product into the floor and allowing product to soak until turning slick. If it becomes sticky, apply water to the surface as necessary, leaving the product on the floor for at least 60 minutes. 6. Grind floor using 400 grit resin diamonds. 7. Clean the floor using automatic scrubber or comparable. 8. Clean and remove any excess RetroPlate. Let the floor dry overnight. 9. Continue the polishing process using 800 grit resin diamonds. 10. Clean the floor using automatic scrubber or comparable. 11. Alternately, depending on slab condition, grind floor using 1200-1500 grit resin diamonds. 12. Clean the floor using automatic scrubber or comparable. 13. The same process will be used for new floors as well as rehab floors. Floor prep for the rehab floors will be separate. 14. Apply an even coat of RetroGuard Sealer with a brush, roller, or low-pressure sprayer, and when surface is dry, burnish the floor with a black burnishing pad. Apply a second coat of RetroGuard one hour after the initial application, and again burnish the floor with a black burnishing pad. 15. Do not walk on surface for 12 hours, and do not introduce any water or moisture for at least 48 hours, allowing for proper drying and setting of RetroPlate and RetroGuard. Water will minimize the sealing properties of RetroPlate and RetroGuard.	F. Exposed Fasteners: 1. Diamond Plate: #8 x 1" bevel headed stainless steel screw. 2. Patio Railing: a. All fasteners shall be stainless steel and powder coated to match railing sections. b. Spacer washers separating railing sections shall be 1 1/2" diameter and 1/2" thick they shall be one piece thick washers and not comprised of stacking washers c. Spacer washers shall be used on all straight sections and when railing panels join at 90 degree corner angles. G. Shop paint primer: Refer to Section 09900 - Paints and Coatings	4. Fabricate work straight, plumb, level and in true alignment; neatly and accurately fit, scribed and thoroughly secured. Plane and sand miters and other joints. Ease all square edges. Provide millwork clean and free from warp, twist, open joints and other defects. 5. Provide finished woodwork dressed and sanded free from machine and tool marks, abrasions, raised grain or other defects on surfaces exposed to view in finished work.
2.3 Product Substitutions:	C. Start any of the floor finish applications in presence of manufacturer's technical representative.	3.1 Installation: Comply with the Architectural Drawing details and the following:	D. Finish: Sayerlack Hydroplus Waterborne Clear, 5 sheen for spalted veneer
A. Substitutions: No substitutions permitted.	D. Sealing, Hardening and Polishing of Concrete Surface 1. Concrete must be in place a minimum of 28 days or as directed by the manufacturer before application can begin. 2. Application is to take place at least 10 days to the prior to racking and other in-store accessory installation, thus providing a complete, uninhibited concrete slab for application. 3. Only a certified applicator shall apply RetroPlate 99. Procedures must be followed as recommended by the product manufacturer and as required to match approved test sample. 4. Achieve waterproofing, hardening, dust-proofing, and abrasion resistance of the surface without changing the natural appearance of the concrete, except for the sheen. 5. Polish to a level 2 shine.	A. Exposed Fasteners: 1. Flat Metal Panels: Provide 18" vertical and horizontal pattern or spaced equally if 18" pattern does not finish evenly. Exposed fasteners shall remain unpainted in natural factory supplied finish. 2. Diamond Plate: Provide counter sunk fasteners at perimeter of panels at 2'-0" on center maximum as well as fully adhering to surface. B. Stainless Steel: 1. Wall: a. Clean stainless steel panel with mineral spirits. b. Install stainless steel panels with Henry 117 oil based adhesive applied to wall with 1/8" notch tooth trowel. c. Trim seams as indicated on the Drawings. No exposed fasteners. C. Diamond Plate: 1. Wall: Mount over plywood substrate w/ flush exposed fasteners. 2. Floor: Provide continuous bead of silicone sealant to back side perimeter of plate prior to installation. 3. Mount with exposed fasteners. Provide continuous bead of silicone sealant to perimeter of plate after installation. D. Patio Railing System: 1. Railing posts shall be set 6" deep into a core drilled hole, 4"-6" diameter 2. Railing posts shall be grouted in using non gypsum quick set grout. 3. Railing posts shall be set in grout plumb and level, with a tolerance of 1/8" in 4 feet. E. Hand-inspect all joints and edges of installed metal materials. Unless otherwise indicated, fit exposed connections accurately together to form tight hairline joints. Grind and ease exposed joints, and edges smooth and free of burrs.	3.1 Installation
2.4 Source Quality:	E. Workmanship and Cleaning 1. The premises shall be kept clean and free of debris at all times. 2. Remove spatter from adjoining surfaces, as necessary. 3. Repair damages to surface caused by cleaning operations. 4. Remove debris from jobsite a. Dispose of materials in separate, closed containers in accordance with local regulations.	5.1 Installation: Comply with the Architectural Drawing details and the following:	A. Install finish carpentry and millwork products plumb, level, true and straight with no distortion. Shim as required using concealed shims. Install to a tolerance of 1/8" in 8'-0" for plumb and level (including countertops) and with 1/16" maximum offset in flush adjoining surfaces, 1/8" maximum offsets in revealed adjoining surfaces. 1. Scribe and cut finish carpentry and millwork products to fit adjoining work. 2. Anchor finish carpentry and millwork items to built-in place blocking, furnished under Section 06100, or directly attach to substrate framing. Secure to grounds, blocking and nailers with countersunk, concealed fasteners and blind nailing as required for a complete installation. 3. For installation of prefinished millwork wall panels, use finish nails for exposed nailing, installed with pneumatic nailer as per the following guidelines: a. Nailer to be set for countersunk head approximately 1/8" on the face. b. Use 16 ga straight finish nails in 2" length c. Provide "dab" of construction adhesive on backside of panels at regular intervals. d. Random placement preferred, do NOT group nails together. e. No nails closer than 2" from any edge. f. All nails to be no greater than 16-18" apart in any direction. g. When using digital printed MDF panels, plan the layout so adjacent panels do not have the same artwork 4. Touch-up shop finished materials marred or damaged during delivery, storage and installation with custom blended polyurethane to equal Minwax "Wipe on Poly".
A. Source Quality: Obtain resinous materials, including patching and leveling materials from a single manufacturer.		DIVISION 6 - WOOD AND PLASTICS	B. Install casework without distortion so that doors and drawers will fit openings properly and be accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. C. Install plastic laminate countertops, shelving and trim. Provide work level, true to alignment, accurately fit to wall conditions and securely fastened to base units and other support systems as indicated.
3.1 Manufacturer's Instructions:		SECTION 06100 - ROUGH CARPENTRY	SECTION 06605 - FIBERGLASS REINFORCED PLASTIC PANELS
3.2 Examination:		1.1 General: Provide rough carpentry work as shown and specified.	1.1 General: Provide fiberglass reinforced plastic panels as shown and specified.
A. Site Verifications of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions: 1. Before applying materials, inspect surfaces to receive new materials and report any unsatisfactory conditions. Absence of any such report shall constitute installer's acceptance of surfaces as satisfactory for installing materials.		A. Standards: Materials and construction shall conform to following: 1. NIST PS-1-95 "Construction and Industrial Plywood." 2. NIST PS-2-95 "Performance Standards for Wood-Based Structural-Use Panels." 3. NIST PS-20-99 "American Softwood Lumber Standard." 4. NF&PA NDS-97 "Wood Construction and Supplement." 5. AWWA "Wood Treatment Standards."	2.1 Materials:
3.3 Preparation:		2.1 Materials:	A. Manufacturer: Marlite, (330) 343-6621, internet www.marlite.com.
A. Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage during product installation.		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	B. Panel System: "P6" Per Finish Schedule, Series: Standard FRP - "Marlite Class 1/A" Fiberglass Reinforced Polyester (FRP) Panels, 3/32" thick, 48" wide x full height required. Color: P100 White, Class A, pebbled matte surface texture. USDA approved for incidental food contact. 1. Panel trim: Extruded PVC, color matching panel color. Provide 1/2" x 1/2" inside corners, edge trim, and division moldings as required to complete the installation. a. Inside Corner - M350 b. Outside Corner - M360 c. Division - M365 d. Edge - M370 2. Panel trim: Stainless Steel, color matching panel color. Provide 1-1/2" x 1-1/2" outside corners as required to complete the installation. 3. Sealant: Marlite "Silicone Sealant", white gunnable silicone sealant. 4. Panel adhesive: Marlite "C-551" water-based construction adhesive for panel application over porous surfaces. C. Panel System: "P2" Per Finish Schedule, Series: Standard FRP - "Marlite Class 1/A" Fiberglass Reinforced Polyester (FRP) Panels, 3/32" thick, 48" wide x full height required. Color: S100G White, smooth matte surface texture. USDA approved for incidental food contact. 1. Panel trim: Extruded PVC, color matching panel color. Provide division moldings as required to complete the installation. a. Edge - M370 2. Sealant: Marlite "Silicone Sealant", white gunnable silicone sealant. 3. Panel adhesive: Marlite "C-551" water-based construction adhesive for panel application over porous surfaces. D. Alternate Panel "P2" per Finish Schedule: Color: S100 S/2/S White, smooth matte surface texture.
B. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.		2.2 Wood Treatment:	3.1 Installation
3.5 Protection:		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	A. Install the FRP system products using panel adhesive in accordance with the manufacturer's instructions and layout as shown in drawings. 1. Install panels plumb, level, true and straight with no distortion; providing a continuous bead of silicone sealant in each joint and trim groove and between trim and adjacent construction. 2. Provide corner trim, closure trim at intersections of dissimilar materials and moldings at abutting panels.
A. Protection: Protect installed product and finish surfaces from damage during construction.		2.2 Wood Treatment:	SECTION 07720 - ROOF SCUTTLE & LADDER SAFETY POST 1.1 General: Provide roof scuttle and safety post as shown & specified.
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	A. Coordination: Before starting work, verify with the Tenant's Construction Manager and the Owner the following: 1. Verify that other trades with related work are complete before installing roof scuttle(s). 2. Mounting surfaces shall be straight and secure; substrates shall be of proper width. 3. Refer to the construction documents, shop drawings, and manufacturer's installation instructions. 4. Coordinate installation with roof membrane and roof insulation manufacturer's instructions before starting.
		2.2 Wood Treatment:	2.1 Materials:
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	A. Manufacturer: The Bilco Company, (203) 934-6363, internet www.bilco.com or approved equal. 1. Roof Scuttle: Type S-50 metal roof scuttle, size 3'-0" width x 2'-6" length (length denotes hinge side). The roof scuttle shall be single leaf and come pre-assembled from the manufacturer. Factory finish shall be mill finish aluminum. 2. Safety Post: Model 4 ladder safety post. The ladder safety post shall come pre-assembled from the manufacturer. Factory finish shall be mill finish aluminum.
		2.2 Wood Treatment:	3.1 Installation:
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	A. Verify that roof scuttle & ladder safety post installation will not disrupt other trades. Verify that the substrate is dry, clean, and free of foreign matter. Report and correct defects prior to any installation.
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification marking. 1. Treated materials shall meet "Interior Type A" FR-S ratings of not more than 25 for flame spread, smoke developed and fuel contributed when tested in accordance with UL 723 or ASTM E84, with no increase in flame spread and evidence of significant progressive combustion upon continuation of test for additional 30 minutes. C. Kiln-dry all treated lumber and plywood materials after treatment to maximum 15% moisture content.	
		2.2 Wood Treatment:	
		A. Lumber: Factory grade-marked, dressed, seasoned dimension lumber, S4S, air-dried, maximum 19% moisture content complying with PS-20, dimensions indicated. 1. Blocking, nailers and similar members: Standard Grade Western Dimension Lumber or Southern Pine species. a. Provide preservative treated lumber, where indicated. B. Plywood: Factory grade-marked, complying with PS-1, square edge, 5/8" thick. 1. APA-RATED SHEATHING EXP1. a. Provide Exterior Grade (EXT) plywood, where indicated. b. Provide fire-retardant treated plywood, where required by Building Code. C. Oriented Strand Board (OSB): Factory grade-marked, complying with PS-2, square edge, 5/8" thick 2.2 Wood Treatment: A. Preservative Treatment: Comply with applicable requirements of AWWA Standards C2 (Lumber). 1. Pressure preservative treat lumber with water-borne preservatives, acceptable to authorities having jurisdiction, to a minimum retention of 0.25 pcf. 2. Treat wood blocking, nailers and similar members in connection with roofing and flashing. 3. Treat wood plates, blocking, furring and similar concealed members in contact with masonry or concrete. B. Fire-Retardant Treatment: Comply with applicable requirements of AWWA Standards C27 (Plywood). Identify "fire-retardant-treated plywood" with appropriate UL classification	

GENERAL NOTES

1. ALL DIMENSIONS ARE TO INTERIOR FACE OF GYPSUM BOARD AT EXTERIOR WALLS AND/OR FACE OF EDGE OF STOREFRONT FRAMING, U.N.O.
2. ALL WORK NOTED TO BE BY LANDLORD UNDER SEPARATE PERMIT U.N.O. AND SHALL BE ASSUMED TO BE COMPLETED AT THE TIME TENANT TAKES POSSESSION OF PREMISES
3. ALL DIMENSIONS & INFORMATION ON THIS SHEET ARE EXISTING & TO BE FIELD VERIFIED BY TENANT'S GC PRIOR TO START OF TENANT FINISH CONSTRUCTION. NOTIFY TENANT AND ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES
4. LANDLORD SHALL PROVIDE ROOF STRUCTURE CAPABLE OF SUPPORTING ALL ROOF-SUPPORTED EQUIPMENT, INCLUDING (2) RTU'S, MAKE-UP AIR, HOOD EXHAUST FAN AND GREASE EXHAUST HOOD PER CODE, RE: A140 & M100.
5. TENANT'S G.C. SHALL TAKE DIGITAL PHOTOS OF THE INTERIOR PERIMETER OF THE DEMISED SPACE PRIOR TO THE START OF CONSTRUCTION AND SEND TO THE TENANT AND ARCHITECT FOR REVIEW. ANY STRUCTURE, PIPING, CONDUIT, ETC. THAT MAY IMPACT CONSTRUCTION OF THE SPACE OR BE UNSIGHTLY IF EXPOSED IS OF PARTICULAR INTEREST
6. GENERAL CONTRACTOR TO SCOPE EXISTING SANITARY LINES PRIOR TO PREPARING FOR NEW CONNECTIONS

DUNGAN
DESIGN
GROUP

8826 Santa Fe Drive Suite 304
Overland Park, KS 66212
913-341-2466

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Conway AR 72034

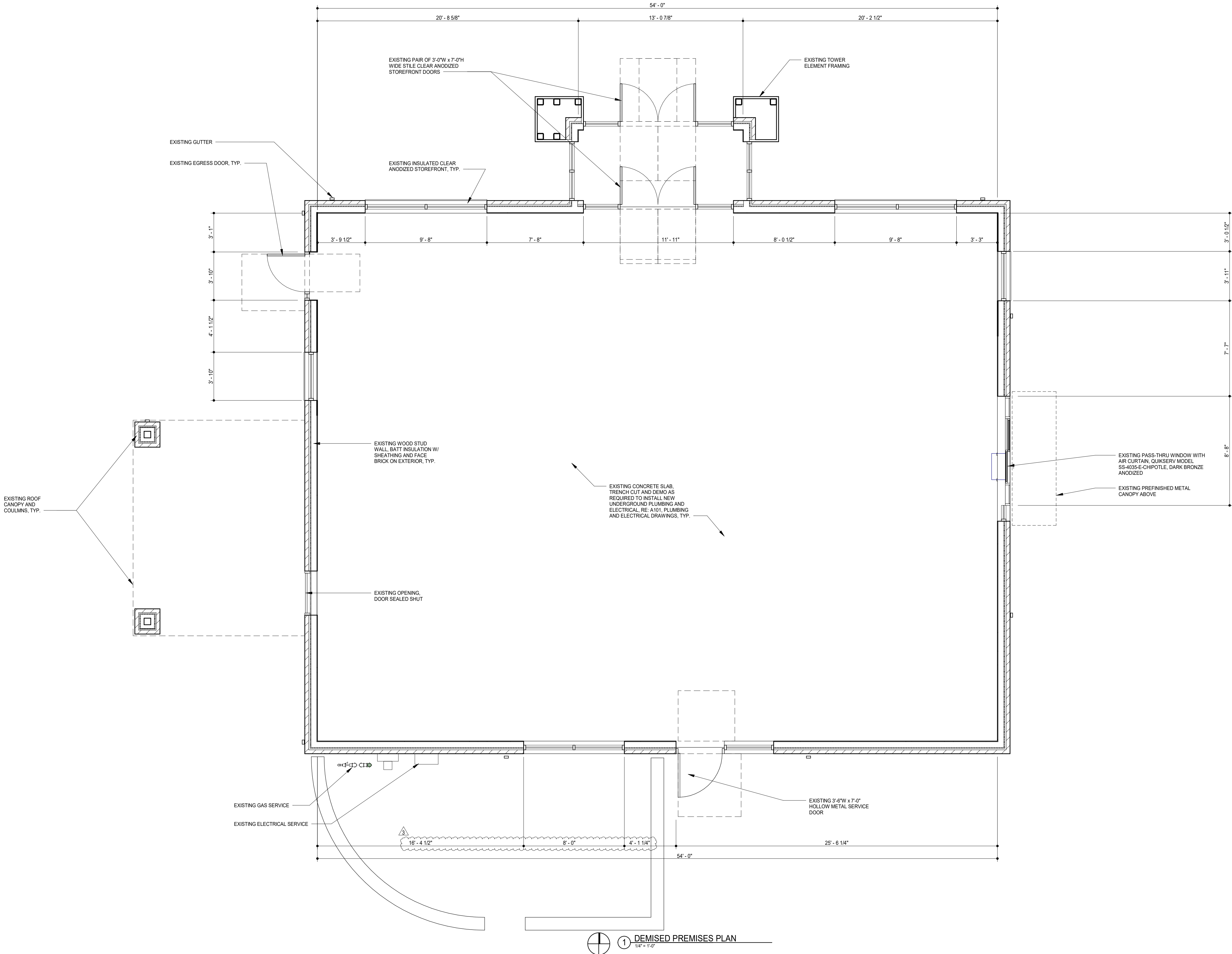
Issue Record:	
04/03/24	ICP Sketch
05/29/24	Permit Issue
06/12/24	Bid Issue
09/02/24	Construction Set
09/06/24	Construction Addenda

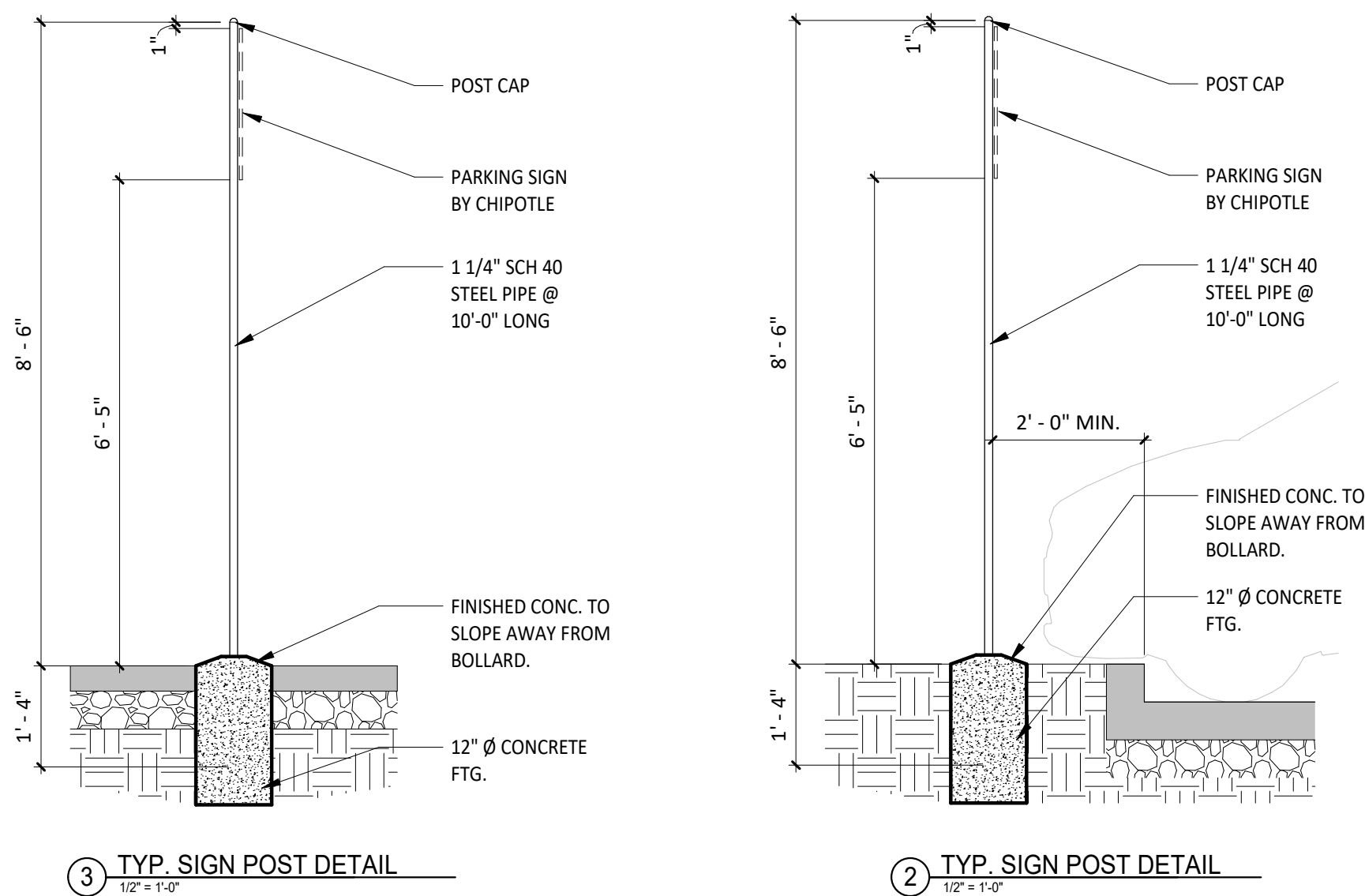
Revisions:	
09/27/24	CB 03

Project No.
01768

Demised Premises
Plan

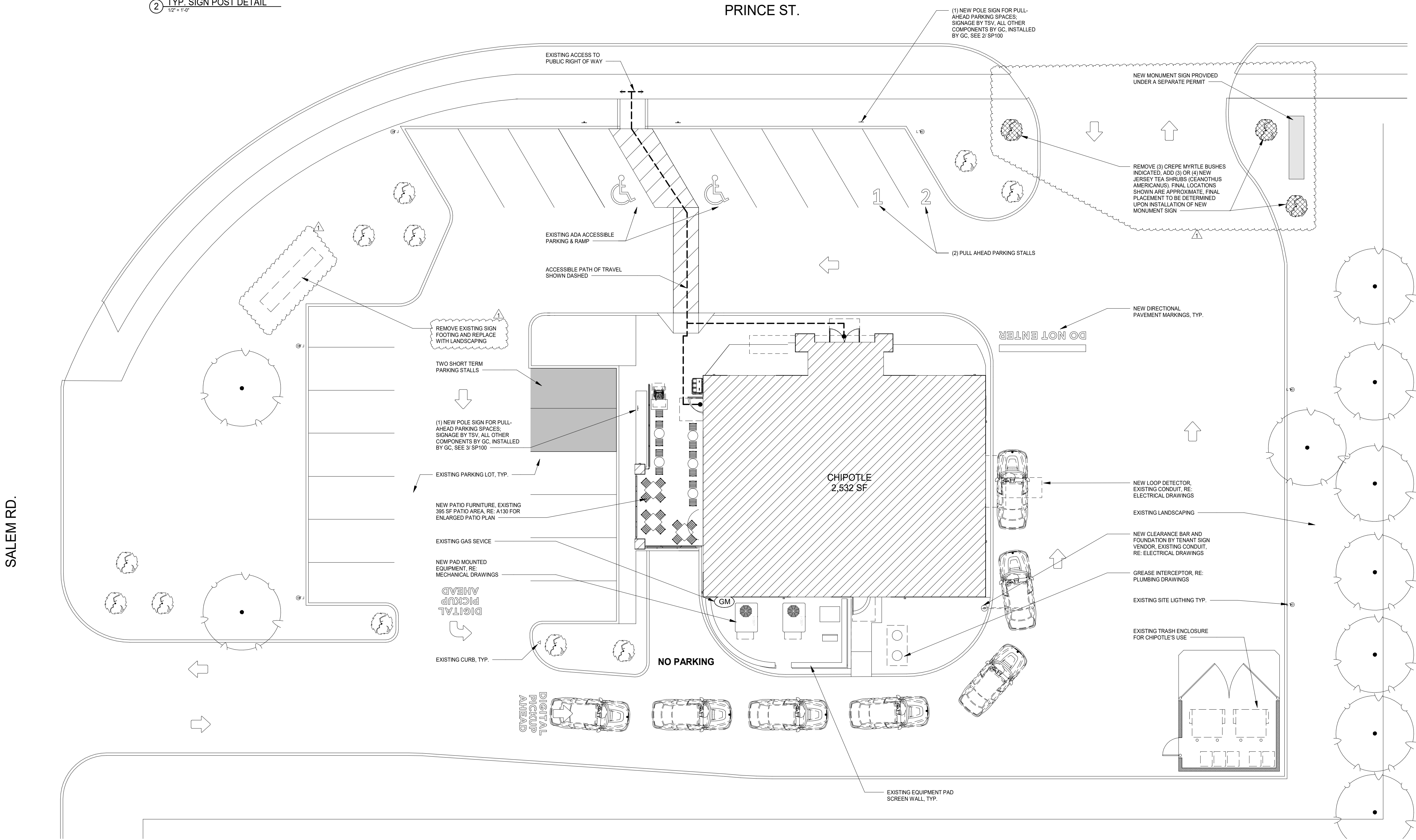
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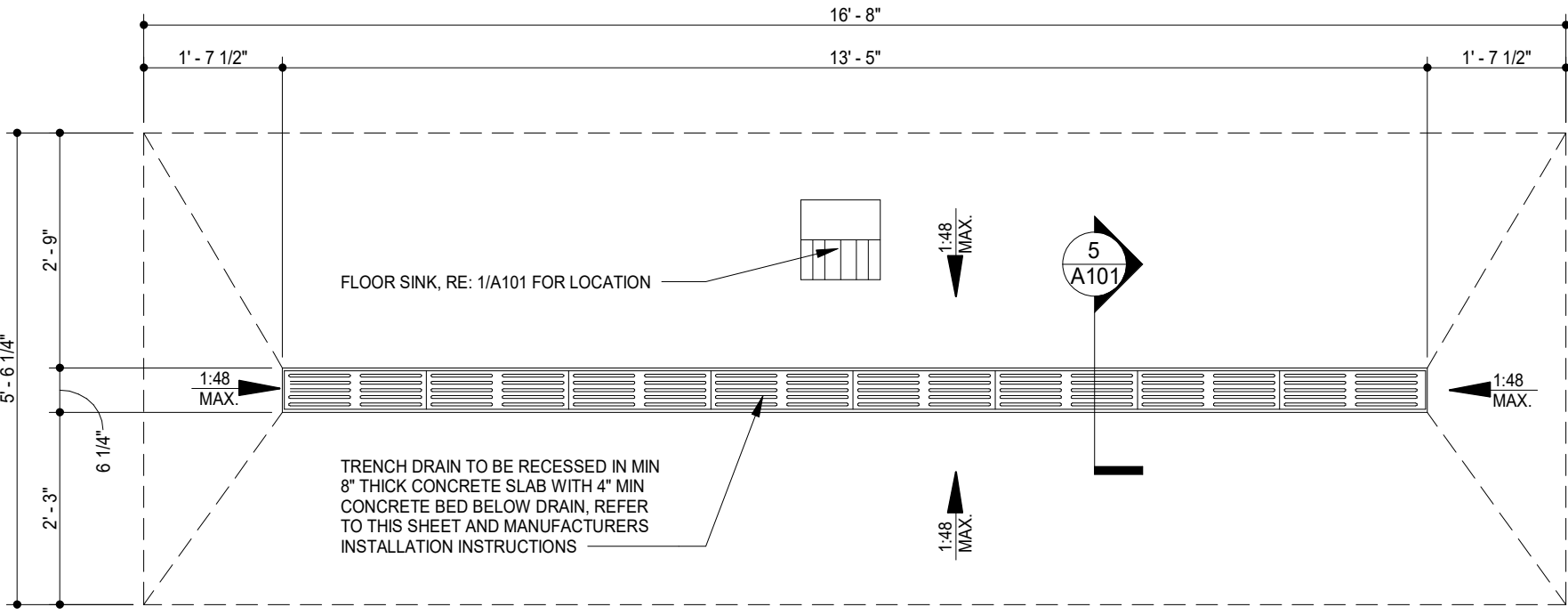




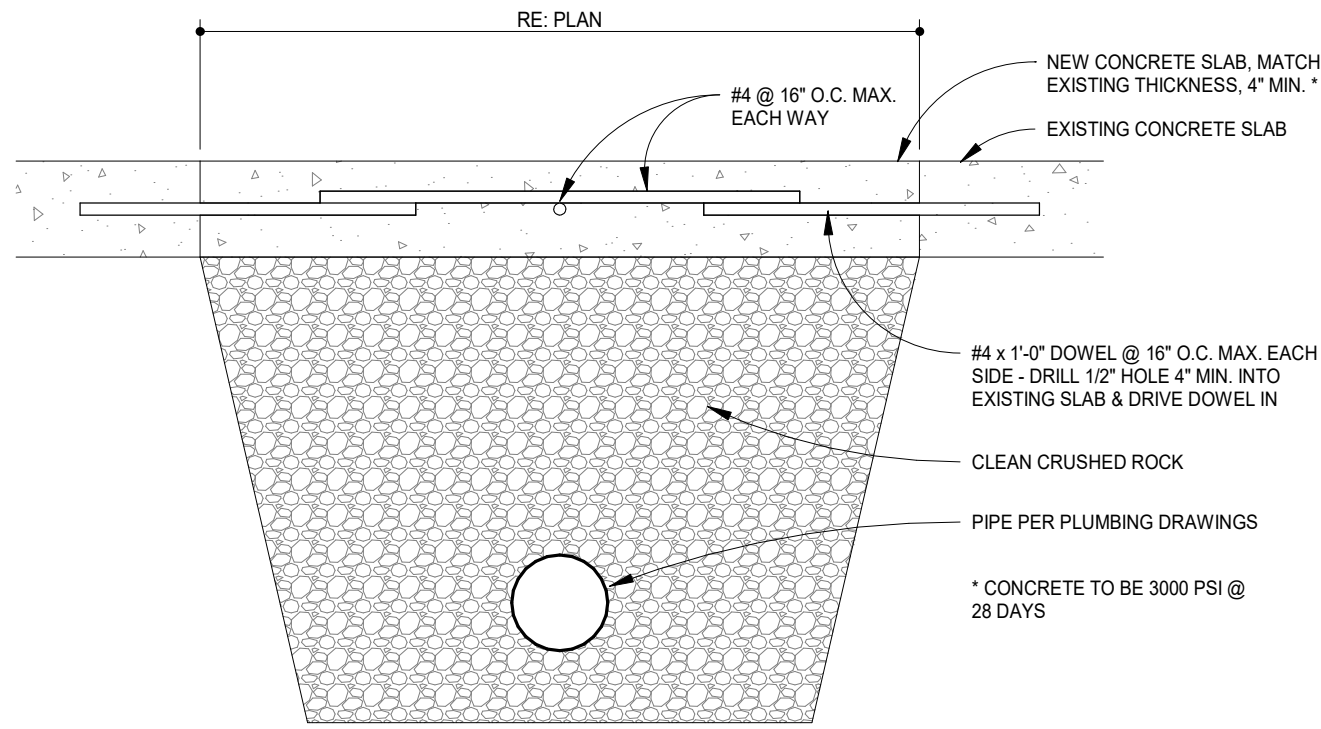
GENERAL NOTES

1. ALL SITE WORK NOTED AS "EXISTING" IS EITHER AN EXISTING CONDITION OR NEW WORK THAT WILL BE PERFORMED BY THE LANDLORD UNDER A SEPARATE PERMIT PRIOR TO CHIPOTLE TAKING POSSESSION. ANY SITE FEATURE NOT NOTED SHALL BE ASSUMED TO BE "EXISTING". ALL SITE WORK NOTED AS "NEW" IS IN THE SCOPE OF WORK OF THIS PROJECT.
2. STENCILS FOR PARKING MARKINGS AVAILABLE FROM PAVEMENT STENCIL COMPANY, PHONE: (800) 250-5547, EMAIL: STENCILS@PAVEMENTSTENCIL.COM

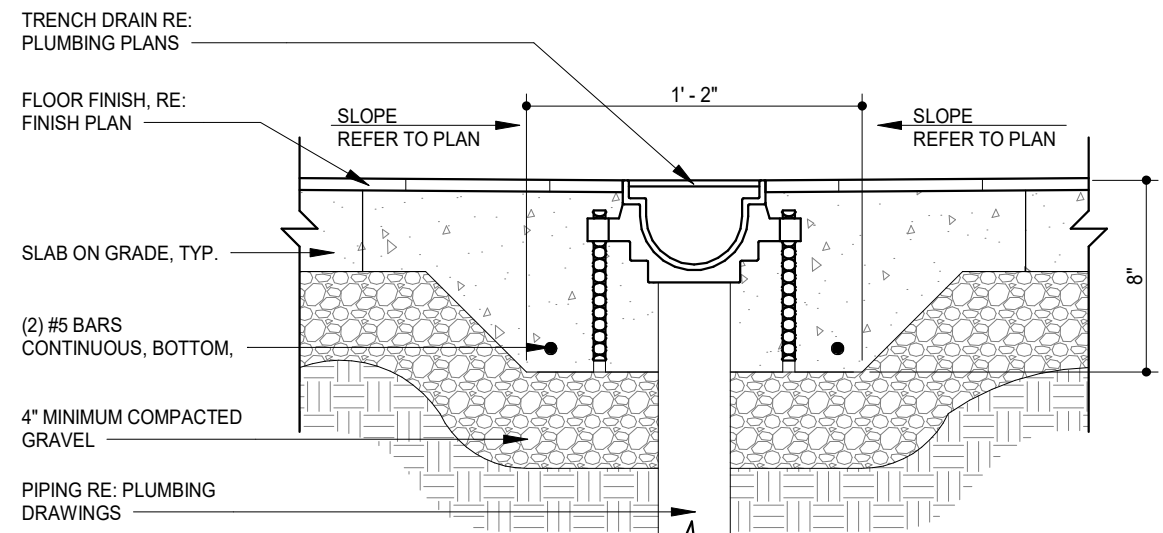




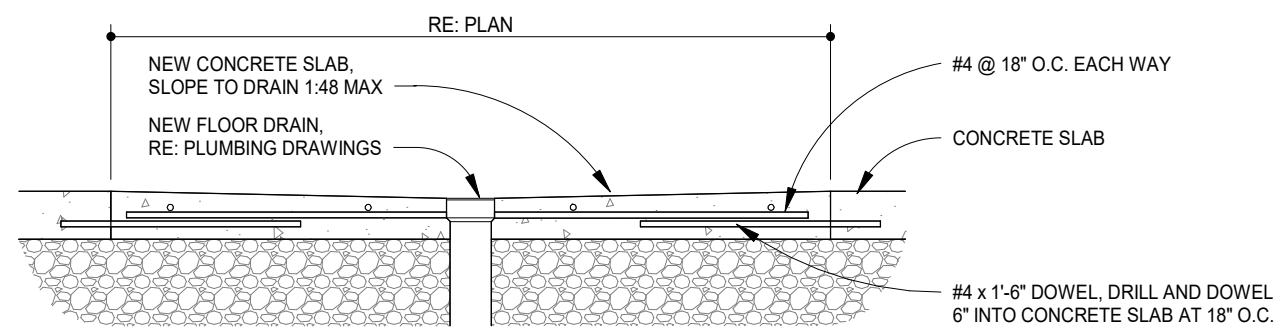
7 TRENCH DRAIN DETAIL
1/2" = 1'-0"



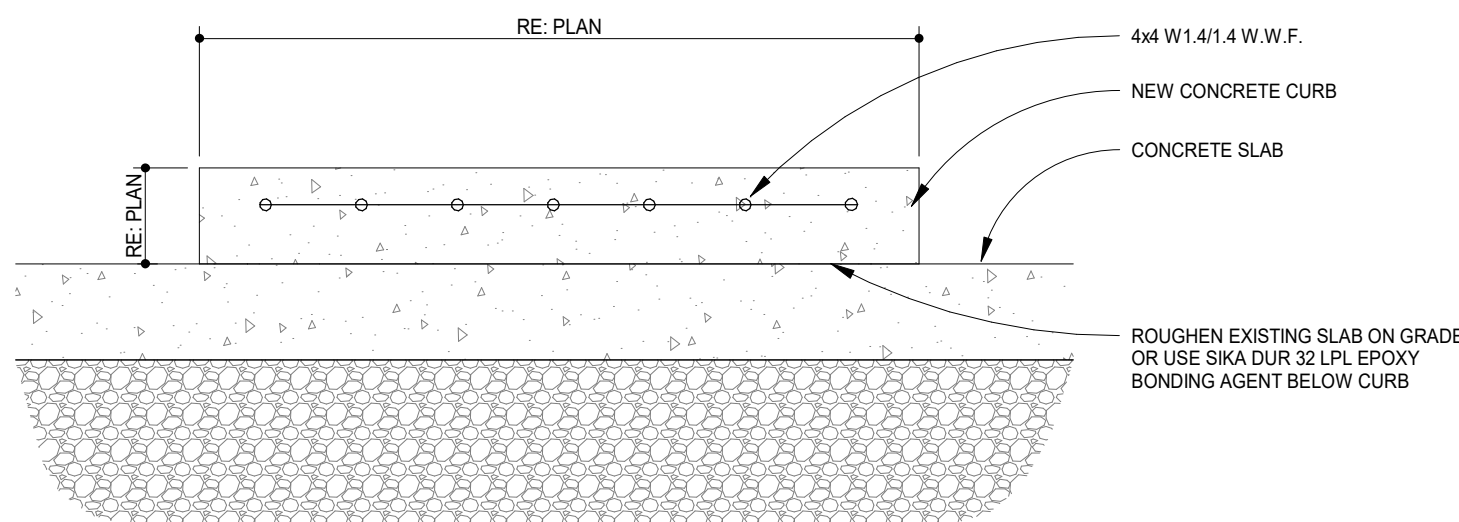
6 TYPICAL FLOOR SLAB DETAIL @ TRENCH
1 1/2" = 1'-0"



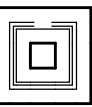
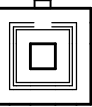
5 TRENCH DRAIN DETAIL
1 1/2" = 1'-0"



4 TYPICAL FLOOR SLAB DETAIL @ SLOPED DRAIN
1 1/2" = 1'-0"



3 TYPICAL FLOOR SLAB DETAIL @ CURB
1 1/2" = 1'-0"



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09/06/24	Construction Addenda

Revisions:	
09/06/24	CB 01
09/27/24	CB 03

Project No.
01768

Architectural Floor
Plan

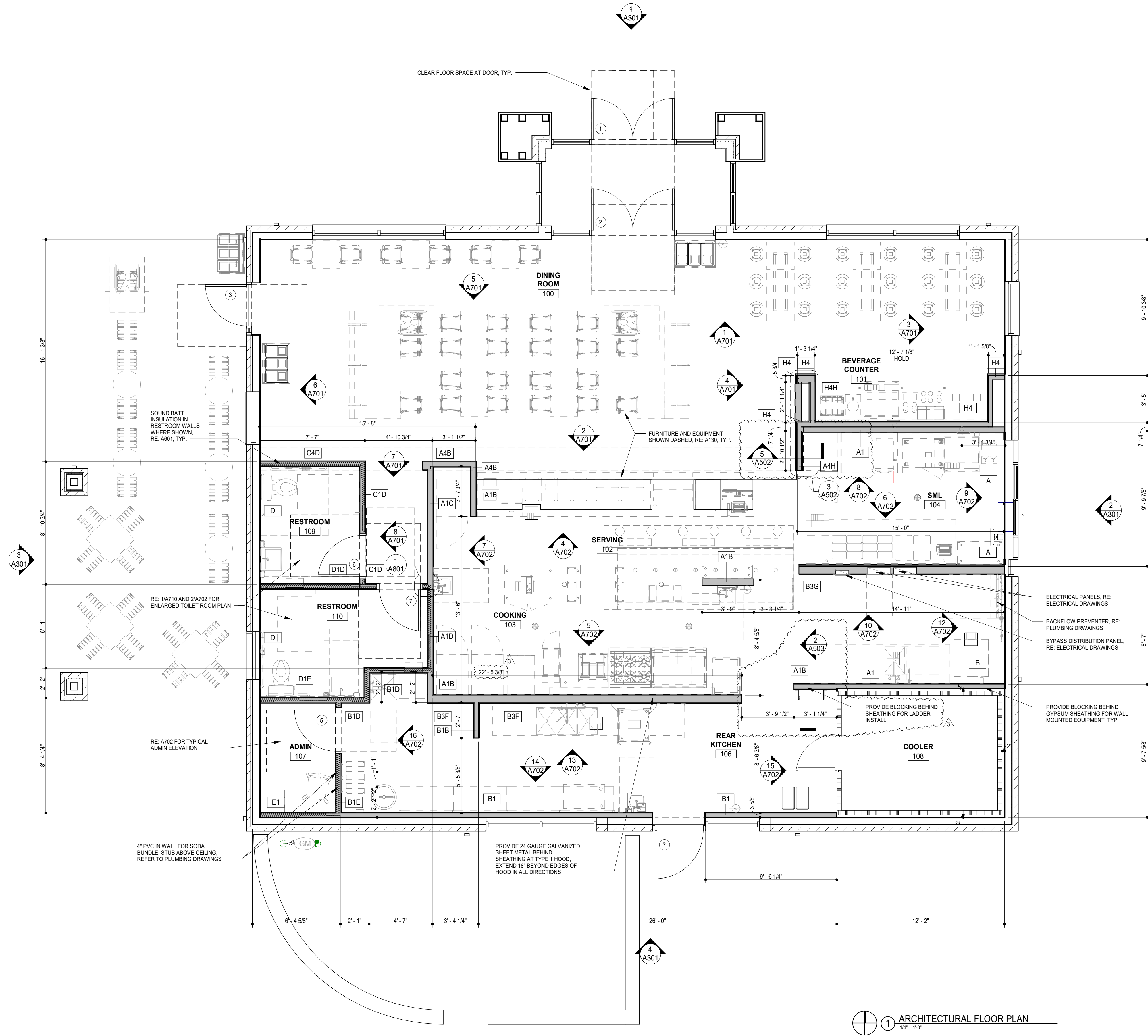
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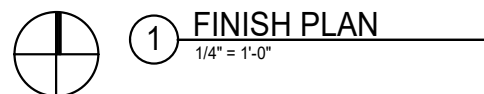
GENERAL NOTES

- ALL DIMENSIONS ARE TO F.O. NEW FRAMING, F.O. EXISTING WALL, OR CENTERLINE OF STRUCTURE U.N.O.
- RE: A100 FOR FINISH PLAN.
- EDGE OF DOOR FRAME JAMBS SHALL BE 4" OFF OF ADJACENT WALL, U.N.O.
- PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED SHELVING AND TOILET ROOM AND KITCHEN FIXTURES. RE: A701, A702 AND A710 FOR LOCATIONS.
- TENANT'S G.C. TO PERFORM LAYOUT OF ENTIRE SPACE PRIOR TO STARTING FRAMING AND REPORT ANY DISCREPANCIES IN NOTED DIMENSIONS TO ARCHITECT AND CHIPOTLE MEXICAN GRILL. CONSTRUCTION MANAGER PRIOR TO PROCEEDING. FAILURE TO ADHERE TO THESE REQUIREMENTS RESULTING IN ANY REMEDIATION REQUIRED TO MEET DESIGN INTENT WILL BE AT G.C.'S COST.

LEGEND

EXISTING CONSTRUCTION	
NEW CONSTRUCTION	
SOUND BATT INSULATION	
WALK-IN COOLER	
DOOR TYPE, RE: A601	
WALL TYPE, RE: A501	





ROOM #	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	CEILING HEIGHT	REMARKS
010	VESTIBULE	B3	B3	P3P10	C3		
100	DINING ROOM	F6	RE. PLAN	RE. PLAN	C3	STRUCTURE	RE: A701
101	BEVERAGE COUNTER	F6	B3	P9	C6	8'-1 3/4"	RE: A701
102	SERVING	F2	RE. PLAN	RE. RCP	RE. RCP		RE: A702
103	COOKING	F2	B2	RE. PLAN	RE. RCP	RE. RCP	RE: A702
104	SML	F2	B2	P5	C4	10'-0"	RE: A701 & A702
105	PREP	F2	B2	P6	RE. RCP	RE. RCP	RE: A702
106	REAR KITCHEN	F2	B2	P6	C4	10'-0"	RE: A702
107	ADMIN	F2	B2	P6	C4	9'-0"	RE: A702
108	COOLER	F2	B2	P7	C5	-	RE: MANUFACTURERS SHOP DRAWINGS
109	RESTROOM	F6	B6	P2P3	C3	8'-0"	RE: A710
110	RESTROOM	F6	B6	P2P3	C3	8'-0"	RE: A710

FLOOR FINISHES		WALL BASE FINISHES		WALL FINISHES		DOOR FINISHES		CEILING/DECK FINISHES	
F1	POLISHED CONCRETE	B1	NOT USED	P1	PLYWOOD BETWEEN TRUSSES, VERTICAL GRAIN, RE: 5A802	D1	PANT "BLACK"	C1	OPEN TO STRUCTURE, UNPAINTED
F2	QUARRY TILE							C2	NOT USED
F3	EXTERIOR CONCRETE	B2	QUARRY TILE WITH COVE, RE: 4-7IA802 & 18/A802	P2	FIBERGLASS REINFORCED PANELS TO 4'-0" AFF (SMOOTH FINISH)	D2	PANT "KNIGHT'S ARMOR"	C3	GYPSUM BOARD; PAINT "MOONLIT SNOW"
F4	SEALED CONCRETE							C4	2X4 VINYL-FACED LAY-IN
F5	RESINOUS FLOORING	B3	4" BLACK RUBBER BASE WITH COVE, RE: 3, 4, 5 & 18/A801	P3	GYPSUM BOARD; PAINT "THIN ICE", EGGSHELL, REFER TO 701 AND A710			C5	EXPOSED COOLER PANEL (EMBOSSOED COATED STEEL)
F6	PORCELAIN TILE								
		B4	QUARRY TILE - NO COVE, RE: 2/A802	P4	GYPSUM BOARD; PAINT "THIN ICE", SEMI-GLOSS FINISH BELOW 4'-3" A.F.F.			C6	STONEWOOD PANEL CEILING
		B5	CERAMIC TILE BASE, RE: 3/A802	P5	CERAMIC TILE - WHITE, RE: A802				
		B6	8" CERAMIC BASE, W/COVE, DA TILE V.7012241P6, P36C9 (6X12), V.70 AMPPLY BLACK	P6	FIBERGLASS REINFORCED PANELS (PEBBLED FINISH)				
					P7	EXPOSED COOLER WALL (EMBOSSOED COATED STEEL)			
				P8	SPALTED MAPLE PANEL, HORIZONTAL GRAIN				
				P9	STONEWOOD PANEL, RE: 5/A801				
				P10	STONEWOOD WAINSCOT, RE: 2,3,16&18/A801				
				P11	CERAMIC TILE - ACCENT - BRONZE 3" X 12", RE: A802				
				P12	NOT USED				
				P13	ALUMINUM STOREFRONT, EXISTING				

GROUP	SPRINKLERED EXIT ENCLOSURES & EXIT PASSAGEWAYS	CORRIDOR	ROOMS & ENCLOSED SPACES	NON-SPRINKLERED EXIT ENCLOSURES & EXIT PASSAGEWAYS	CORRIDOR	ROOMS & ENCLOSED SPACES
A-2	A	B	C	A	A	B
B	B	B	C	A	B	C

*REF. AND/OR GROUP TYPE AND IF RULING IS SPRINKLERED OR NON-SPRINKLERED

1. PAINT ALL GYPSUM BOARD CEILINGS "MOONLIT SNOW," U.N.O.
2. RE: A801 AND A802 FOR STANDARD FINISH DETAILS.
3. CHANGE FLOOR MATERIALS UNDER DOOR WHERE OCCURS.
4. ALL FINISHES TO BE CLASS B PER THE INTERIOR WALL AND CEILING FINISH REQUIREMENTS LEGEND ABOVE.
5. ENSURE THAT ALL STOREFRONT HAS CONTINUOUS, CLEAN SEALANT AROUND THE INTERIOR AND EXTERIOR PERIMETER BETWEEN THE STOREFRONT AND ADJACENT WALL FINISHES. GC IS RESPONSIBLE FOR SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES.
6. SPATIAL MAPLE PANELS PROVIDED BY TMS, INSTALLED BY GC. INSTALL PER SPECIFICATION SECTION 06210 - FINISH CARPENTRY AND MILLWORK.
7. STONEWOOD WALL PANELS AND WAINSCOT PANELS PROVIDED BY TMS, INSTALLED BY GC.

- (1) RE: 11/A802 FOR CERAMIC TILE-TO-CERAMIC TILE CORNER DETAIL
- (2) 1 1/2" X 1 1/2" STAINLESS STEEL CORNER GUARDS TO 5'-0" AFF WITH 1-1/2" X 1-1/2" FRP CORNER TRIM ABOVE
- (3) ALIGN LOW EDGE OF RENO RAMP WITH FRONT EDGE OF EQUIPMENT CURB AND FACE OF ADJACENT WALL BASE FINISH; AT DOORS, ALIGN LOW EDGE WITH FRONT FACE OF DOOR
- (4) PROVIDE BULLNOSE FLOOR TRANSITION PER DETAIL 23/A802
- (5) ALUMINUM PLATE AT END OF WALL & HEADER/JAMBS/SILL OF WALL PASS-THRU, RE: 12&13/A802
- (6) ALUMINUM PLATE AT WINDOW OPENING HEADER/JAMBS/SILL, RE: 4/A502 & 12&13/A802
- (7) INSTALL QUARRY TILE ON TOP OF CURB WHERE INDICATED, RE: 1/A802
- (8) INSTALL COVELESS QUARRY TILE BASE BULLNOSE CORNER (OORL-1885) ON SIDE OF CURB FACING DINING ROOM (AT SERVLINCE CURB ONLY); INSTALL COVERED QUARRY TILE BASE ON SIDE OF CURB FACING QUARRY TILE FLOOR, BEHIND BULLNOSE BASE, RE: 8/A802
- (9) RE: 17/A802 FOR DETAIL AT PRECUTTING TABLE POWER SOURCE
- (10) RE: 14/A801 FOR DETAIL AT FRP CLOSURE PANEL TO WALK IN COOLER PANEL
- (11) AT QUARRY TILE BASE OUTSIDE CORNERS, RE: 6&7/A802
- (12) RE: 18/A801 FOR SLOPED QUARRY TILE FLOOR TO FLOOR DRAIN DETAIL
- (13) PROVIDE 18 GAUGE STAINLESS STEEL SHROUD AROUND EXPOSED ICE MAKER LINES, RE: 4/A130
- (14) RE: 12/A801 FOR SPALTED MAPLE PLYWOOD-TO-STONEWOOD OUTSIDE CORNER DETAIL
- (15) RE: 13/A801 FOR SPALTED MAPLE PLYWOOD-TO-SPALTED MAPLE PLYWOOD OUTSIDE CORNER DETAIL
- (16) EQUIPMENT AND FURNITURE SHOWN DASHED, RE: A130
- (17) NOT USED
- (18) PROVIDE WATERPROOFING AT ALL KITCHEN & ADMIN WALL/FLOOR JUNCTIONS, RE: 4&5/A802
- (19) PROVIDE WATERPROOFING AT ALL RESTROOM WALL/FLOOR JUNCTIONS, RE: 18/A801
- (20) PROVIDE STAINLESS STEEL TO 24" ABOVE MOP SINK, FLASH BOTTOM EDGE OVER MOP SINK RIM, BEND STAINLESS STEEL AT INSIDE CORNER SO THERE IS NO JOINT, RE: 17/A801
- (21) RE: 6/A801 FOR SPALTED MAPLE FLOOR END CONDITION DETAIL
- (22) RE: 7/A801 FOR STONEWOOD END CONDITION DETAIL
- (23) RE: 8/A801 FOR STONEWOOD INSIDE CORNER DETAIL
- (24) RE: 9/A801 FOR STONEWOOD OUTSIDE CORNER DETAIL
- (25) RE: 9/A802 FOR CERAMIC TILE-TO-CERAMIC TILE INSIDE CORNER DETAIL
- (26) RE: 20/A801 FOR RESTROOM INSIDE FRP CORNER
- (27) START FLOOR PATTERN W/ FULL QUARRY TILE AT THIS LOCATION
- (28) PROVIDE FLOOR FINISH TRANSITION @ CENTER OF DOOR FRAME

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Overland Park, KS 66212
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2885 Prince Street
Conway AR 72034

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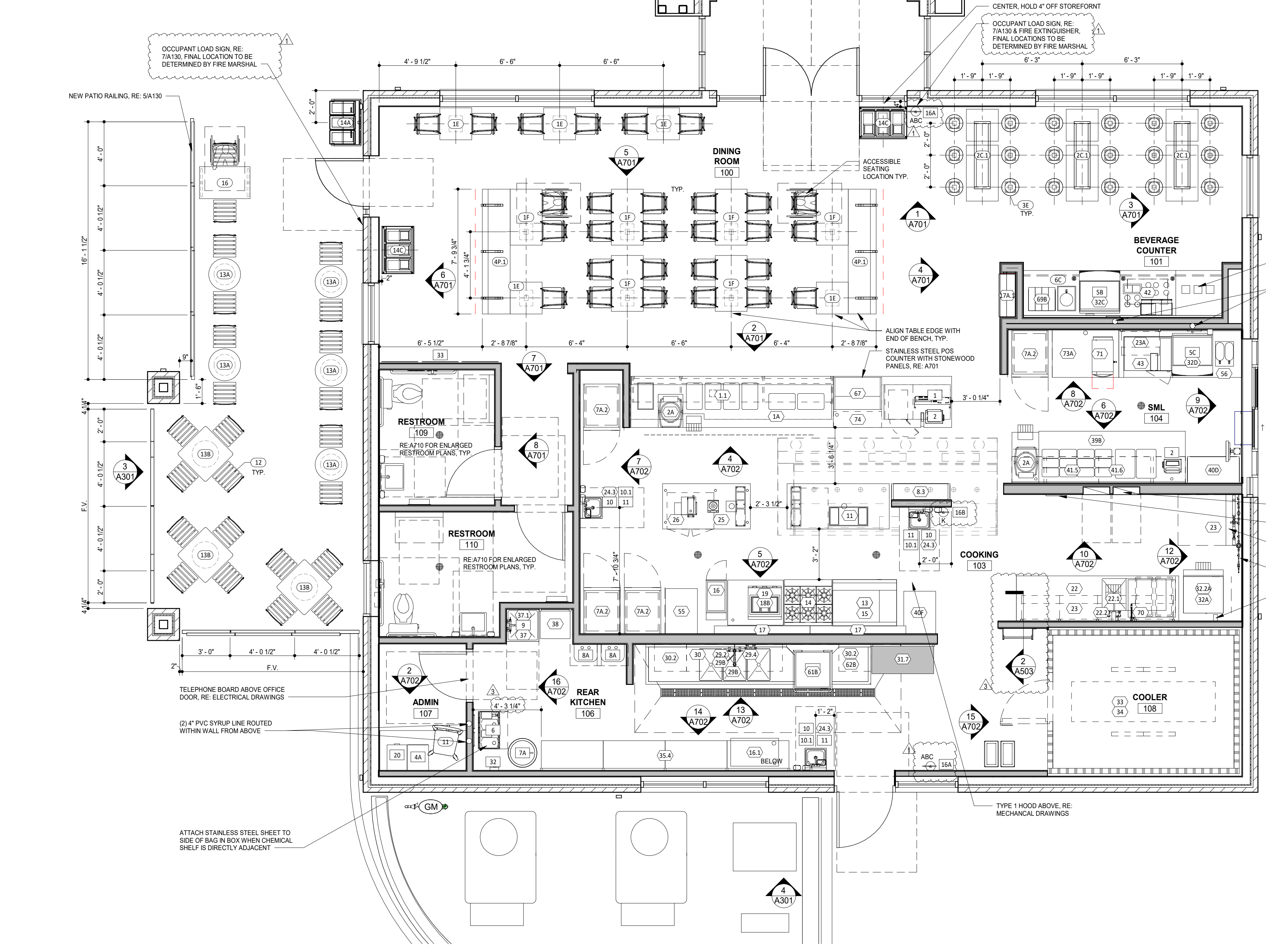
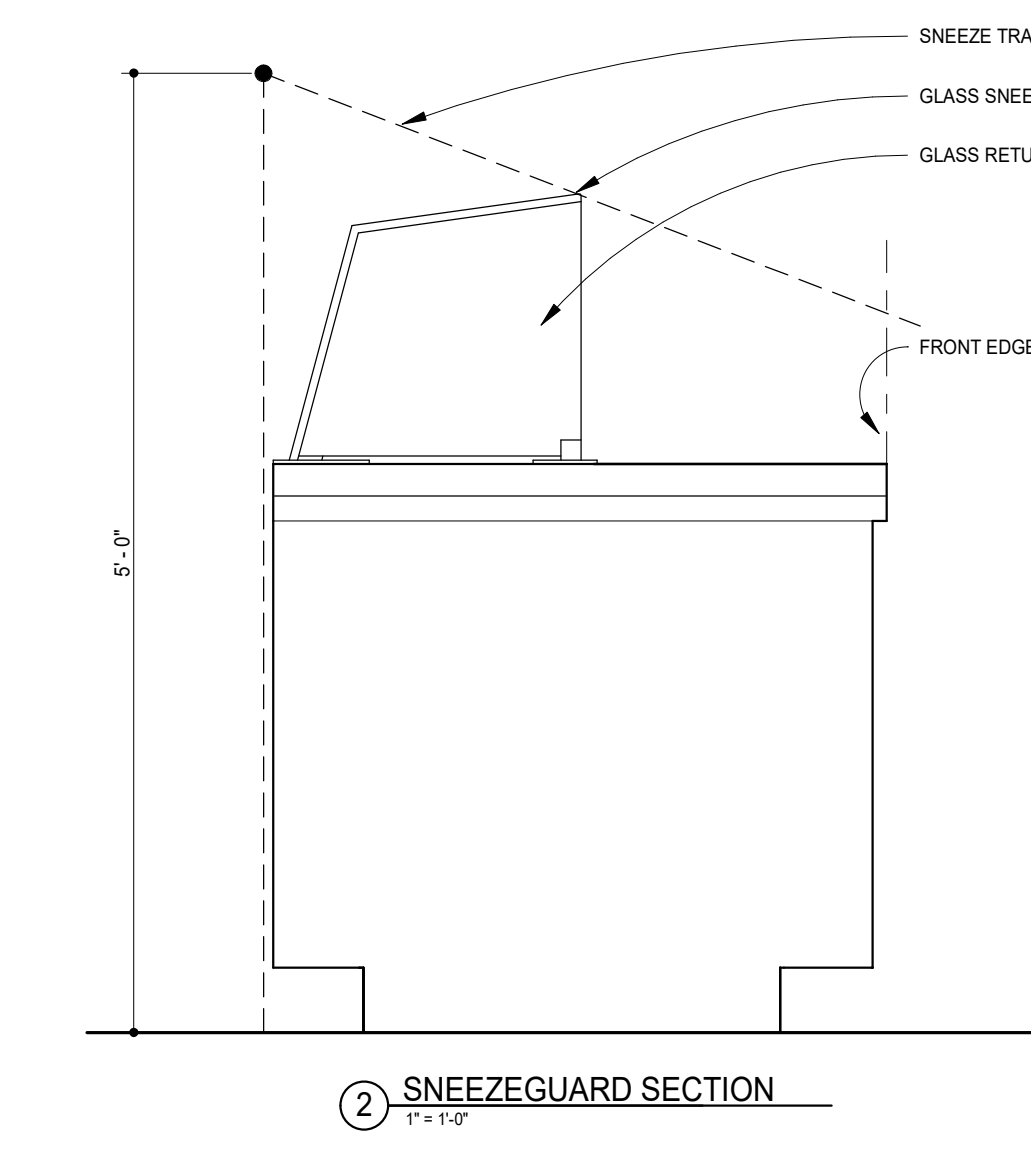
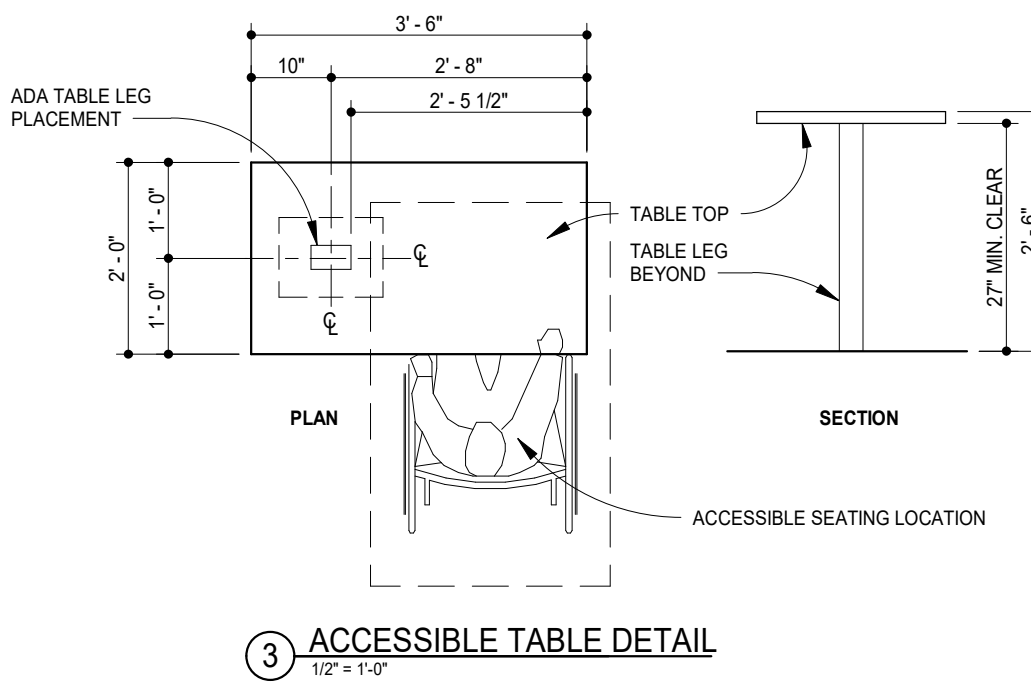
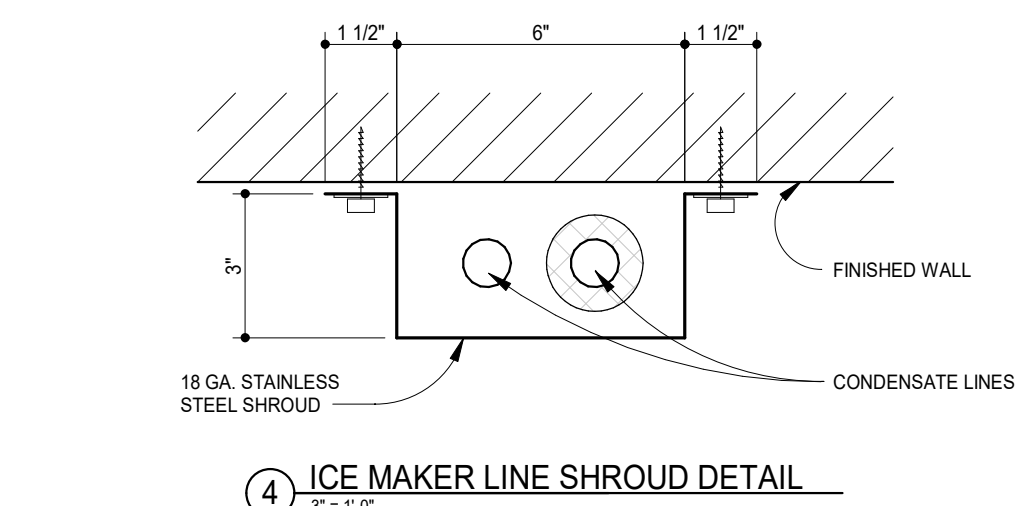
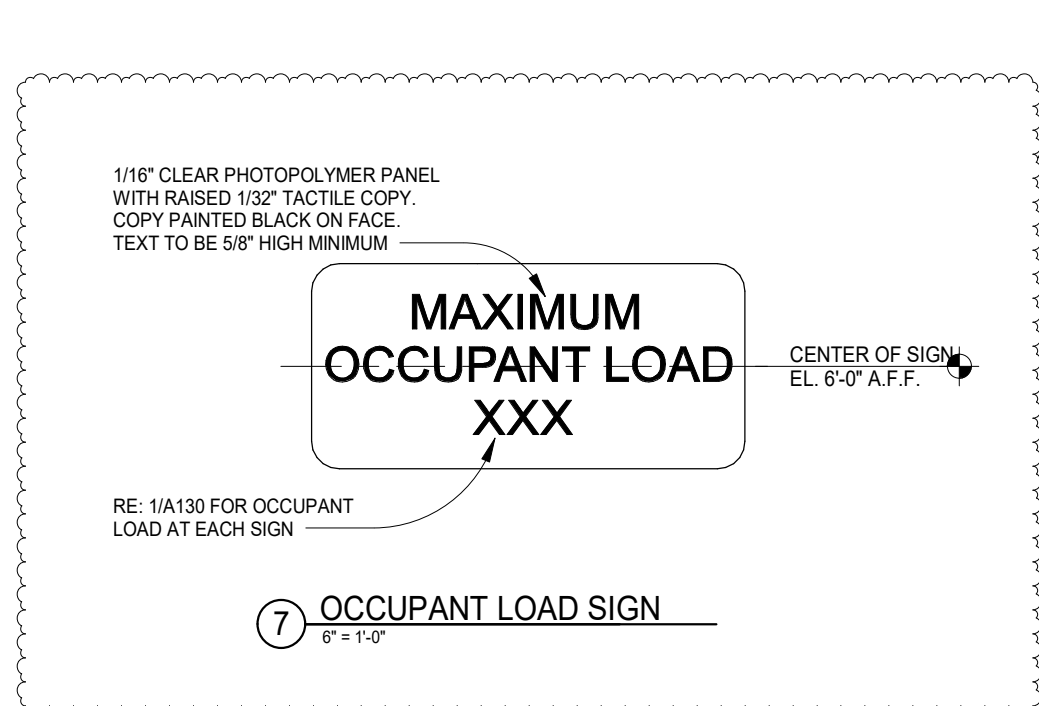
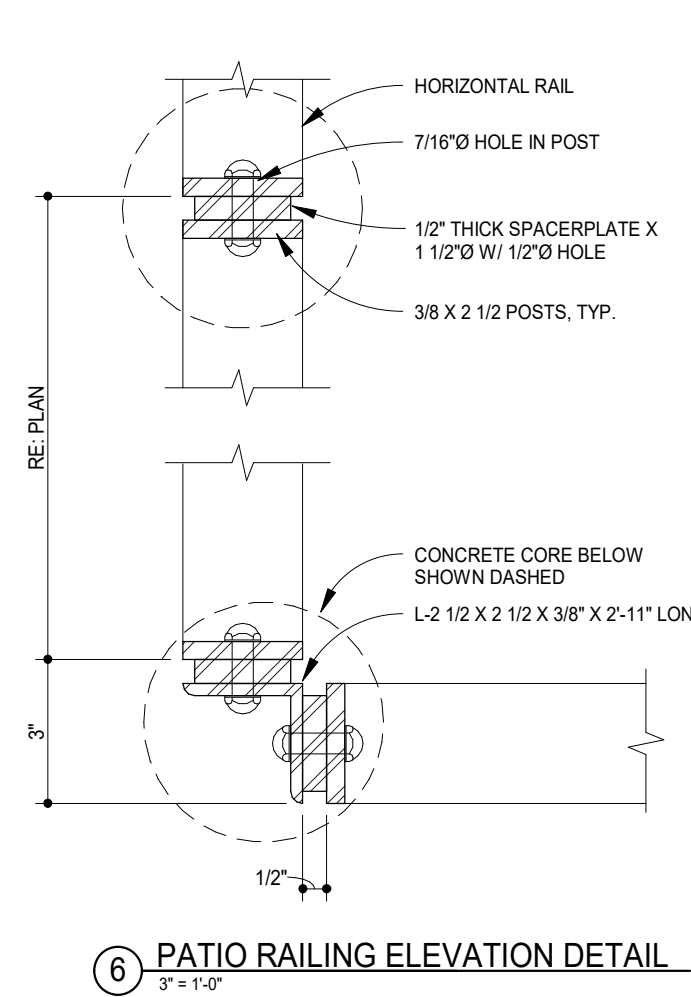
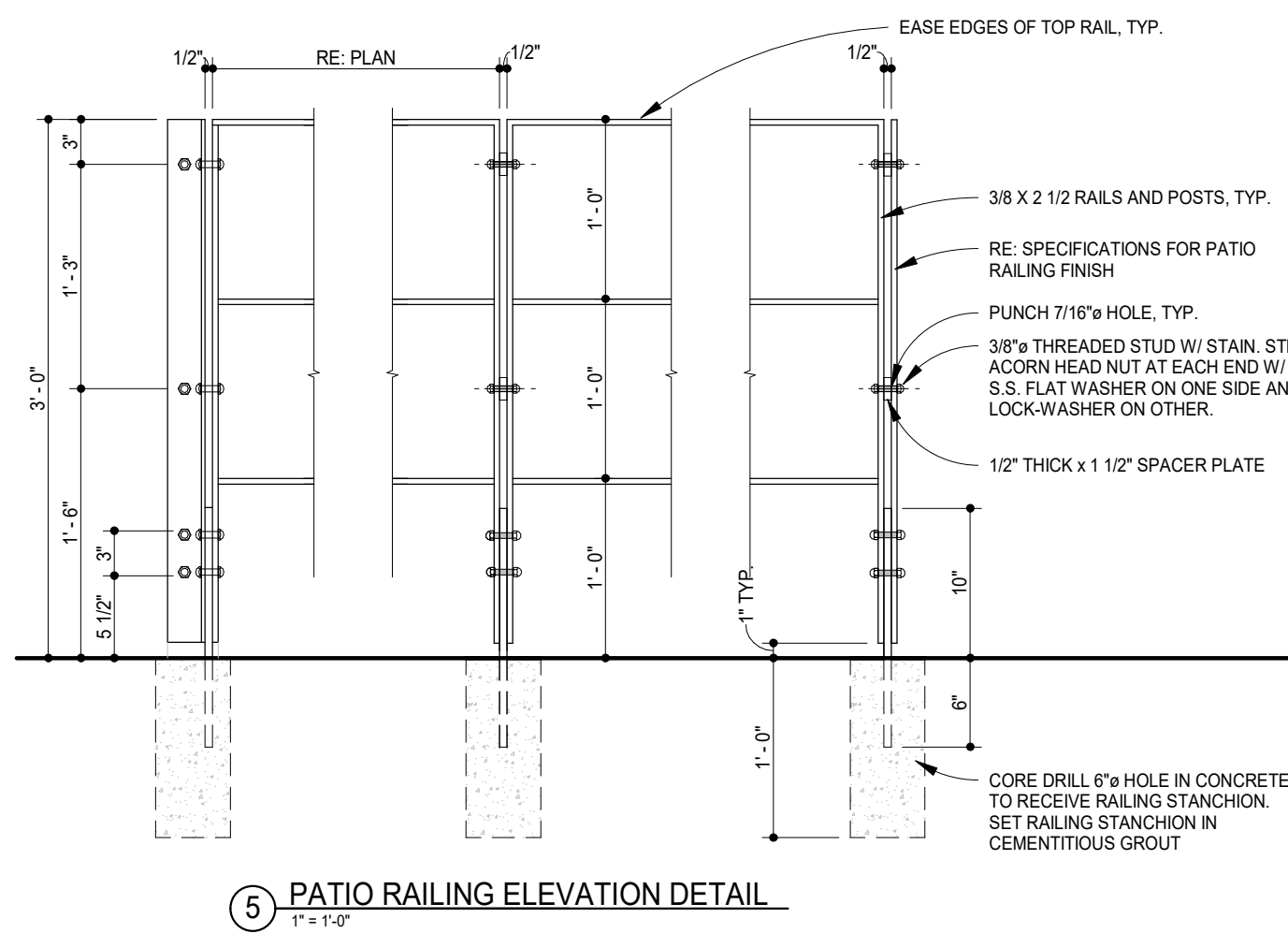
Revisions:

1	09/06/24	CB 01
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Project No
01768

Finish Plan

A120



GENERAL NOTES

- RE: A131 & A132 FOR EQUIPMENT & FURNITURE SCHEDULES.
- ALL DIMENSIONS TO FACE OF GYPSUM BOARD, FACE OF FINISH PLYWOOD, CENTERLINE/EDGE OF FURNITURE, OR COLUMN GRID, U.N.O.
- ALL FURNITURE SHALL BE SQUARE TO TENANT SPACE/WALLS AS SHOWN ON PLANS.
- MAINTAIN MINIMUM 3'-0" CLEAR @ QUEUE LINE & EXIT PATHWAYS, TYP.
- SEE INTERIOR ELEVATIONS FOR ADDITIONAL DIMENSIONS, RE: A701 & A702.
- PROVIDE BLOCKING IN WALLS FOR WALL-MOUNTED ARTWORK, TOILET ROOM AND KITCHEN FIXTURES.
- PROVIDE PORTABLE FIRE EXTINGUISHERS AS FOLLOWS:
(1) TYPE ABC - SHOWN ON PLAN, FINAL LOCATION PER FIRE MARSHAL.
(2) TYPE K - SHOWN ON PLAN, FINAL LOCATION PER FIRE MARSHAL.
- ALL ENTRANCES AND EXTERIOR GROUND FLOOR EXIT(S) TO BUILDINGS AND FACILITIES SHALL COMPLY WITH CBC SECTION 11B-404.

**DUNGAN
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GROUP**

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09/06/24	CB 01
09/27/24	CB 03

Project No.
01788

Fixtures, Furniture &
Equipment Plan

A130

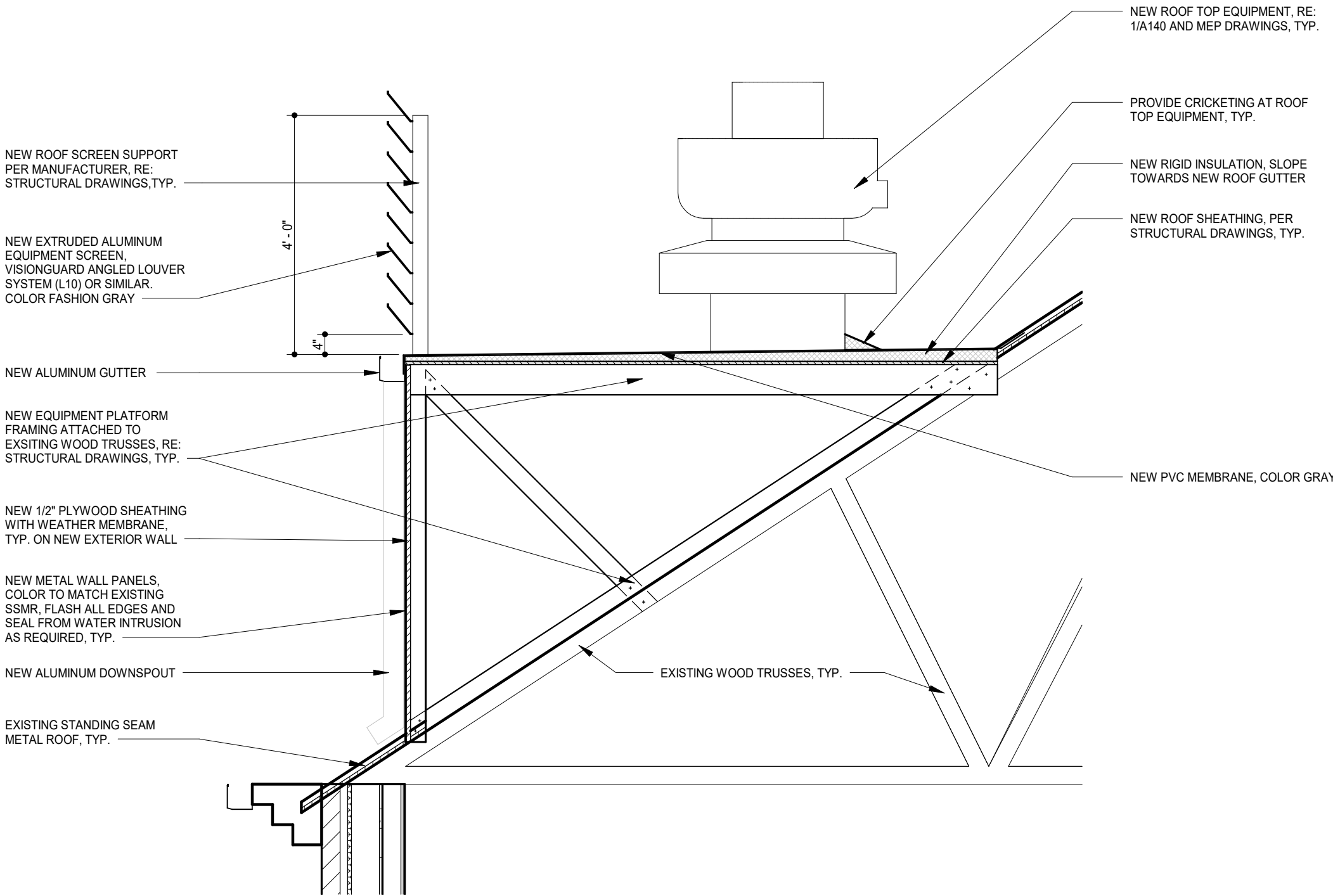
HVAC EQUIPMENT

DESCRIPTION	SUPPLIED BY	INSTALLED BY	UTILITY				REMARKS
			ELEC	GAS	WATER	SEWER	
EXHAUST FANS & CURBS	HS	GC	•				CURB FURNISHED BY HS, INSTALLED BY GC
MAKE UP AIR UNIT & CURBS	HS	GC	•	•	•	•	CURB FURNISHED BY HS, INSTALLED BY GC
ROOF TOP UNITS & CURBS	HES	GC	•	•	•	•	CURB FURNISHED BY HS, INSTALLED BY GC
TEST & BALANCE SYSTEM	TAB						FURNISH HVAC TEST & BALANCE PER TENANT'S NATIONAL ACCOUNT PROGRAM

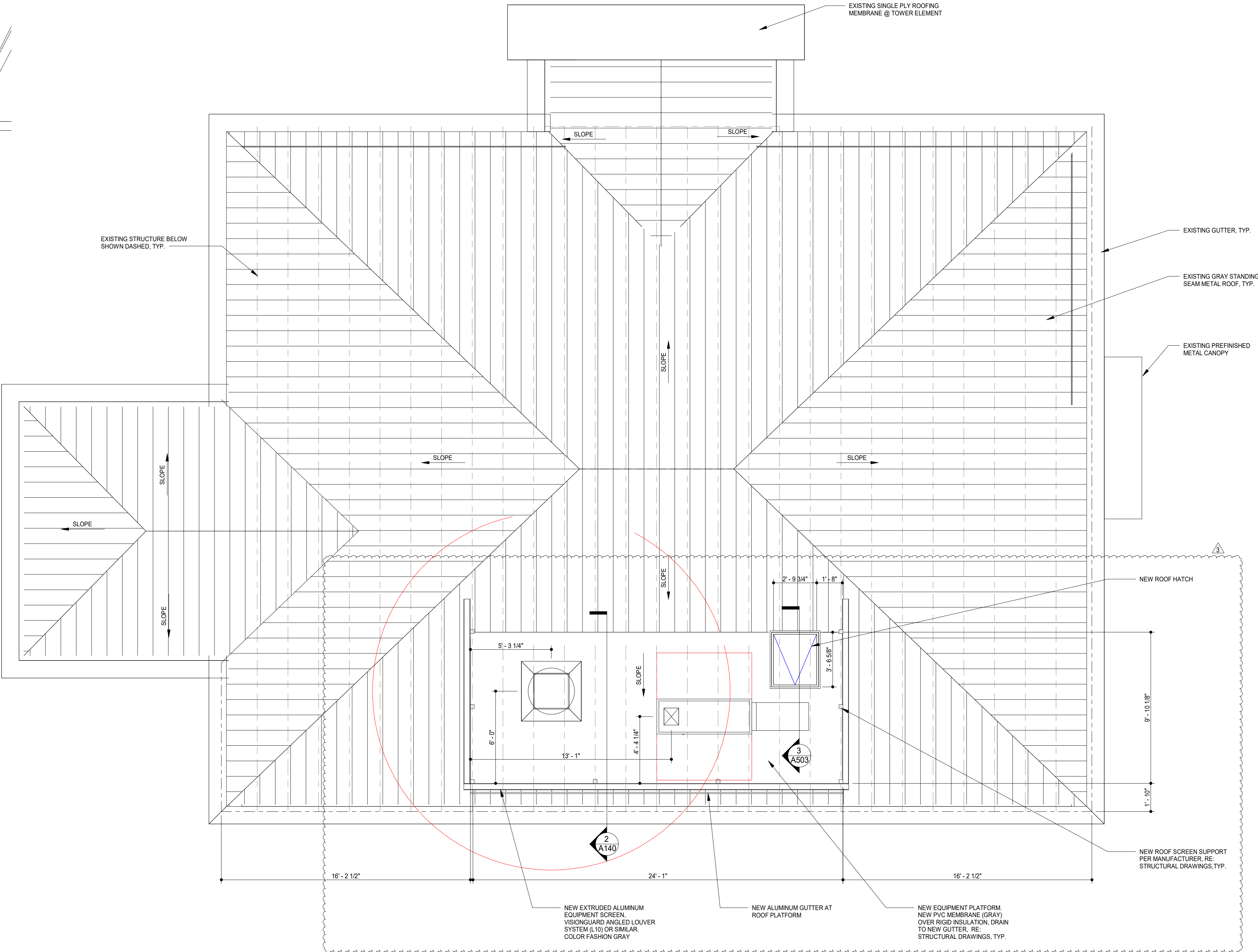
NOTE: UTILITIES BY GC, REFER TO MECHANICAL DRAWINGS.

GENERAL NOTES

- RE: STRUCTURAL DRAWINGS FOR LOCATIONS & SIZE OF STRUCTURAL ROOF REINFORCEMENTS.
- RE: MECHANICAL PLANS FOR ROOF TOP EQUIPMENTS.
- COORDINATE ALL ROOF PENETRATIONS, FLASHING AND REPAIR WITH TENANT ROOF TOP EQUIPMENT PRIOR TO COMMENCEMENT OF WORK.
- DIMENSIONS ARE TO THE OUTSIDE FACE OF CURB AND ARE FOR REFERENCE ONLY. EQUIPMENT WITHOUT CURBS ARE DIMENSIONED TO THE CENTER OF THE EQUIPMENT. CONTRACTOR TO ADJUST AS NECESSARY IN FIELD TO MAINTAIN WORKING CLEARANCES AND TO COORDINATE BEST WITH EXISTING STRUCTURAL MEMBERS. CONTACT ARCHITECT FOR ANY NECESSARY MODIFICATION TO LAYOUT. TRUSSES FOR THE SHELL BUILDING WERE DESIGNED FOR THE RTU WEIGHTS AND PLACEMENTS EXHIBITED. IF THE LOCATION OR ORIENTATION OF A UNIT MUST CHANGE, NOTIFY ARCHITECT IMMEDIATELY.
- RE: M700 FOR PENETRATION DETAILS AT RTUS, MAKU, AND EXHAUST FANS.
- LANDLORD SHALL PROVIDE ROOF STRUCTURE CAPABLE OF SUPPORTING ALL ROOF-SUPPORTED EQUIPMENT, INCLUDING (2) RTUS, MAKE-UP AIR UNIT, HOOD EXHAUST FAN, GREASE EXHAUST HOOD, RESTROOM EXHAUST FAN, AND (5) CONDENSING UNITS PER CODE.
- PROVIDE INSULATED CURBS FOR ALL EQUIPMENT IN EXPOSED DECK AREA ONLY.
- PROVIDE TAPERED INSULATION CRICKET AT ALL EQUIPMENT CURBS.
- PROVIDE ROOF HYDRANT, RE: PLUMBING DRAWINGS.
- TO MAINTAIN ORIGINAL WARRANTY WHERE PROVIDED, USE ORIGINAL ROOF CONTRACTOR.
- PAINT EXTERIOR EXPOSED GAS PIPING PER SPEC SECTION 0900.
- PROVIDE ROOF TOP WALKING PADS PER ROOF MANUFACTURER REQUIREMENTS.
- LOCATE ALL MECHANICAL UNITS SO DUCT DROPS BETWEEN TRUSSES. NOTIFY ARCHITECT IMMEDIATELY IF ANY UNITS NEED TO SHIFT FROM PLAN LOCATIONS SHOWN.



2 ROOF PLATFORM SECTION
1/2" = 1'-0"



1 ARCHITECTURAL ROOF PLAN
1/8" = 1'-0"

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09/27/24	CB 03

Project No.
01768

Architectural Roof
Plan

A140

SPEAKER SCHEDULE

ITEM #	QTY	DESCRIPTION	COLOR/FINISH	MOUNT	REMARKS
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SECURITY SYSTEM

DESCRIPTION	QTY	SUPPLIED BY	INSTALLED BY	ELEC	GAS	SEWER	WATER	REMARKS
SECURITY MONITOR	1	SSS	SSS	•				
SECURITY ALARM - MOTION DETECTORS	1	T.B.D.	T.B.D.	•				GC RESPONSIBLE FOR COORDINATING SEQUENCING OF PREWIRING WITH COMPLETION OF INTERIOR FINISHES (GYP. BD. FINISHES)
72 HR SECURITY DVR	1	SSS	SSS	•				
CLOSED CIRCUIT T.V. CAMERA - OUTDOOR	2	SSS	SSS	•				INSTALL AT 9'-0" U.N.O.
CLOSED CIRCUIT T.V. CAMERA - INDOOR	6	SSS	SSS	•				

GENERAL NOTES

- ALL INTERIOR LIGHT FIXTURES AND LAMPS PROVIDED BY T.S. INSTALLED BY GC.
- ALL INTERIOR LIGHT FIXTURES AND LAMPS INSTALLED BY GC. CAREFULLY REVIEW LIGHTING FIXTURE SCHEDULE ON SHEET E100.
- KITCHEN EXHAUST HOOD PROVIDED BY HS. INSTALLED BY GC. GC TO COORDINATE PRESSURE TEST AND VIBROGUARD WITH ENVIRONMENTAL.
- ANSUL BOX AND FIRE SUPPRESSION SYSTEM PROVIDED BY HS. HOOD INTERLOCK AND ELECTRICAL CONNECTION BY GC. RE: ELECTRICAL DRAWINGS.
- MENU BOARD ASSEMBLY PROVIDED BY GC. INSTALLED BY GC.
- PROVIDE BLOCKING IN CEILING ABOVE MENU BOARD FOR INSTALLATION.
- RE: "10900 PAINTING - GENERAL" IN SPECIFICATIONS FOR FINISHES AT EXPOSED CEILING AREAS IN ADDITION TO NOTES LISTED ON THIS SHEET AND A120.
- UNISTRUT TO BE LEFT UNPAINTED. PROVIDE MATCHING CLOSER STRIPS AND END CAPS. CLOSER STRIP TO BE APPLIED TO THE UNDERSIDE OF THE UNISTRUT.
- RE: A701 & A702 FOR PENDANT & WALL-MOUNTED FIXTURE INSTALLATION HEIGHTS.
- LIGHT DETAILS ARE LOCATED ON SHEET A210. FIXTURE AND LAMP SPECIFICATIONS ARE LOCATED ON E100.
- ALL UNISTRUT SUPPORTING CEILING ELEMENTS AND/OR DUCT WORK SHALL NOT CONTAIN ANY ELECTRICAL CONDUIT. ALL ELECTRICAL CONDUIT MUST RUN IN SEPARATE UNISTRUT.
- ALL UNISTRUT, CONDUIT, SPRINKLER & WATER LINES SHALL BE INSTALLED TO THE BOTTOM OF THE DECK OR AS SHOWN IN DETAILS & LEFT UNPAINTED.
- ALL DIMENSIONS ARE TO FACE OF WALL SHEATHING OR CENTERLINE OF FIXTURE UNLESS NOTED OTHERWISE.
- SEE ELECTRICAL DRAWINGS FOR SHATTER RESISTANT LAMP LOCATIONS.
- ALL EMERGENCY FIXTURES, LIGHTS AND STROBES SHALL BE ALIGNED OR CENTERED ON WALLS.
- FULL CERAMIC TILE COURSEING SHALL TAKE PRECEDENT OVER CEILINGHEADER DIMENSION INDICATED. ACTUAL HEADER AND CEILING HEIGHT IN FRONT KITCHEN AREAS TO BE ADJUSTED IN FIELD SO THERE ARE FULL TILES BETWEEN TOP OF BASE AND FINISHED CEILING OR HEADER.
- ALL CONDUIT AND PIPE PENETRATIONS OF THE SERVING LINE SOFFIT ARE TO BE HELD TIGHT TO THE DECK. PLEASE CONSULT WITH CHIPOTLE ON IF ANY CONFLICTS ARISE.
- BATT INSULATION IS TO BE INSTALLED ABOVE THE RESTROOM CEILING WHEN THE SURROUNDING WALLS DO NOT GO TO DECK AND THE CEILING IS OPEN TO THE DINING ROOM SPACE.
- LAY-IN CEILING PENETRATIONS TO BE HELD TIGHT TO WALLS. RE: 4/A210 & PLUMBING DRAWINGS.
- RE: STRUCTURAL DRAWINGS FOR HOOD SUSPENSION DETAILS.
- ALL EXTERIOR BUILDING MOUNTED AND PATIO LIGHT FIXTURES AND LAMPS PROVIDED BY T.S. INSTALLED BY GC.
- RE: A120 FOR FINISH SCHEDULE.
- ALL CEILING HEIGHTS NOTED ON THE PLAN ARE TO BOTTOM OF FINISHED CEILING.
- PROVIDE TEN FOOT CABLES OF SHIELDED LIGHT THROUGHOUT COOLER, FLUORESCENT LIGHTING FOR COOLER BY MANUFACTURER.
- RE: 11/A210 FOR SUSPENDED CEILING DETAIL.

CONDUIT GUIDELINES

NO FLEXIBLE METALLIC CONDUIT IS ALLOWED IN ANY AREAS WHERE IT WOULD BE EXPOSED TO VIEW. ONLY RIGID METALLIC CONDUIT (THICK-WALL OR THIN-WALL AS NEEDED) IS ALLOWED IN THESE AREAS.

RCP SCHEDULE

RE: E100 FOR FIXTURE AND LAMP SCHEDULE

ITEM #	MOUNT	DESCRIPTION	QTY	REMARKS
A1	LAY-IN	2x2 LED LENSED TROFFER	7	SEE SHEET E100
B1	CEILING	RECESSED 6IN CAN LIGHT	7	SEE SHEET E100
B2	CEILING	RECESSED 6IN CAN LIGHT	33	SEE SHEET E100
B3	CEILING	M4.0 - RECESSED 6IN CAN LIGHT (BLACK)	4	SEE SHEET E100
C0	SURFACE	LOW PROFILE LED 1FT	2	SEE SHEET E100
C2	SURFACE	LOW PROFILE LED 3FT	16	SEE SHEET E100
C3	SURFACE	LOW PROFILE LED 4FT	10	SEE SHEET E100
E4	SURFACE	WHITE EXIT LIGHT - STANDARD RED LETTERS	3	SEE SHEET E100
E7	SURFACE	EMERGENCY LIGHT - DUAL HEAD	6	SEE SHEET E100
H1	SURFACE	VAPOR PROOF HOOD LIGHT	8	SEE SHEET E100
J4	PENDANT	M4.0 - PENDANT LIGHT	2	SEE SHEET E100
P5	PENDANT	M4.0 - PENDANT LIGHT	3	SEE SHEET E100
P6	PENDANT	M4.0 - MULTI-PENDANT LIGHT	1	SEE SHEET E100 & A701
T1	TRACK	TRACK LIGHTING HEAD	14	SEE SHEET E100
T-4	SUSPENDED	M4.0 - TRACK 4'	1	SEE SHEET E100
T-6	SUSPENDED	M4.0 - TRACK 6'	4	SEE SHEET E100

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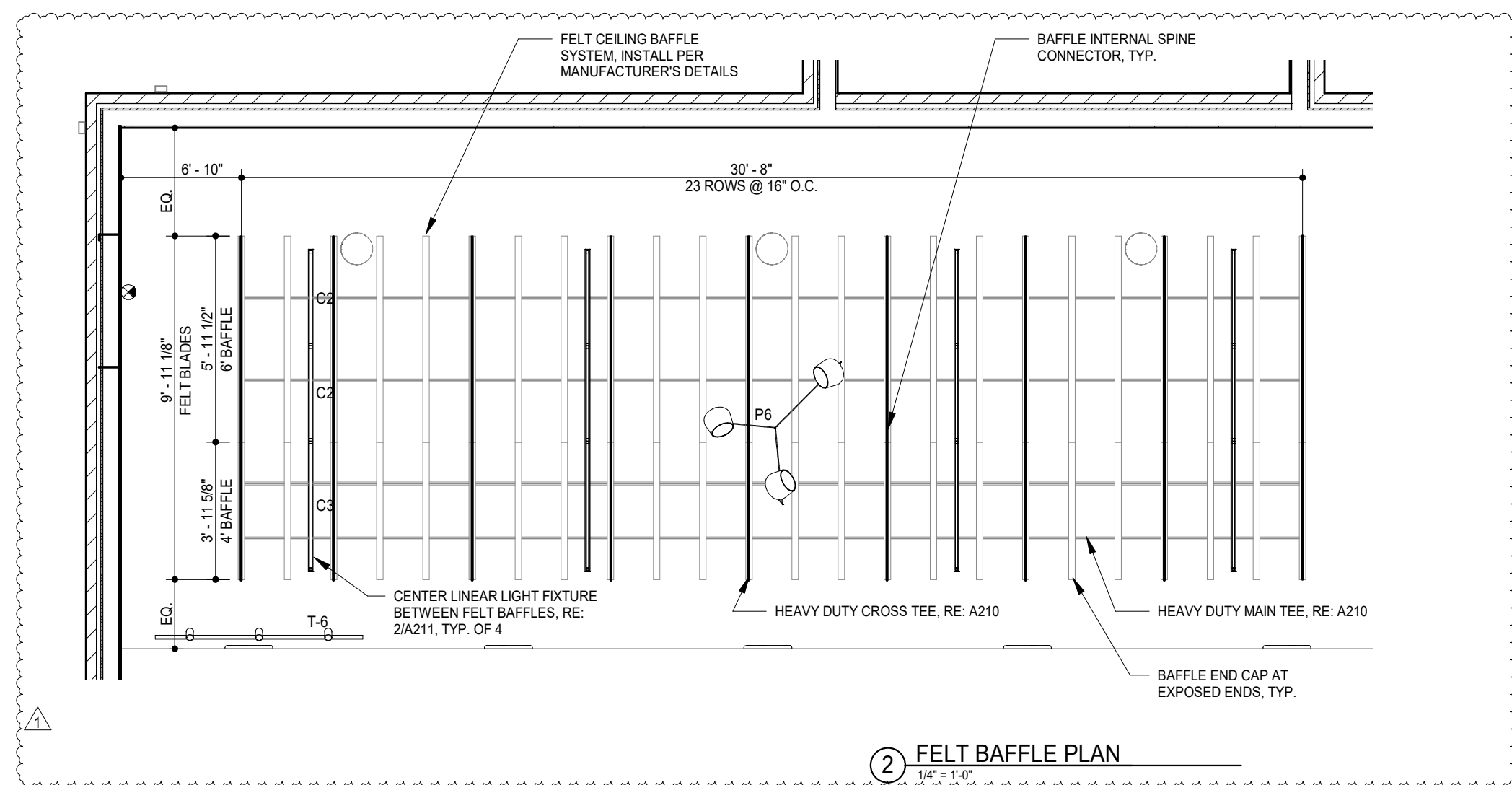
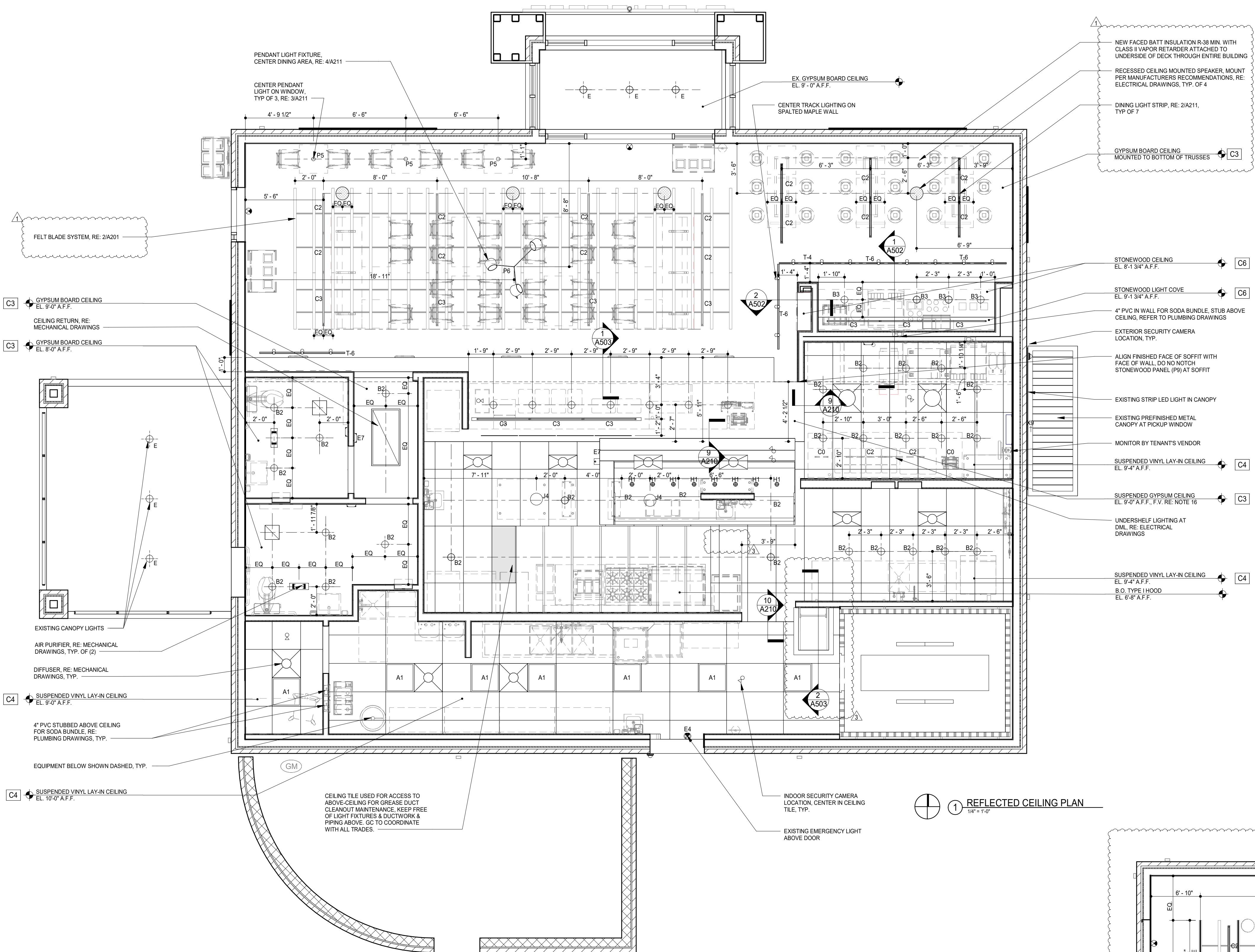
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Revisions:	
09/06/24	CB 01
09/27/24	CB 03

Project No.
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Reflected Ceiling
Plan

A201



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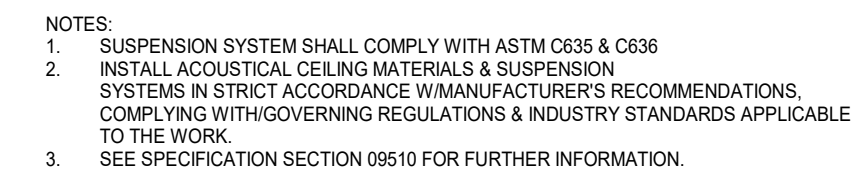
Revisions:

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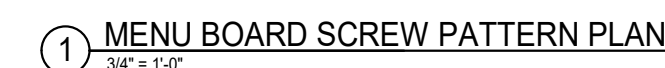
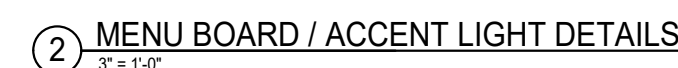
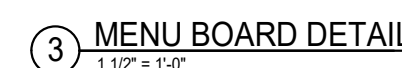
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Ceiling Details

A210



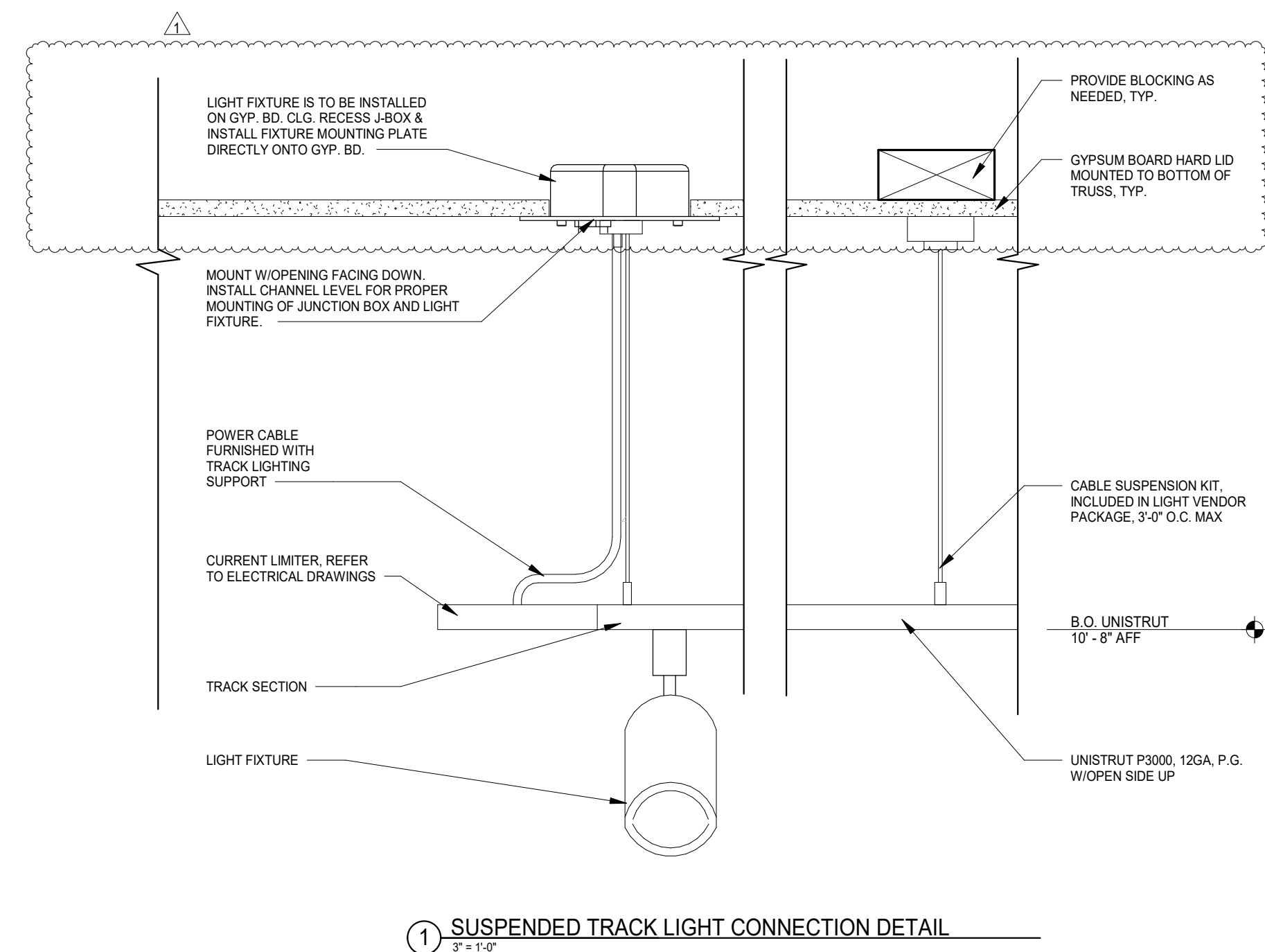
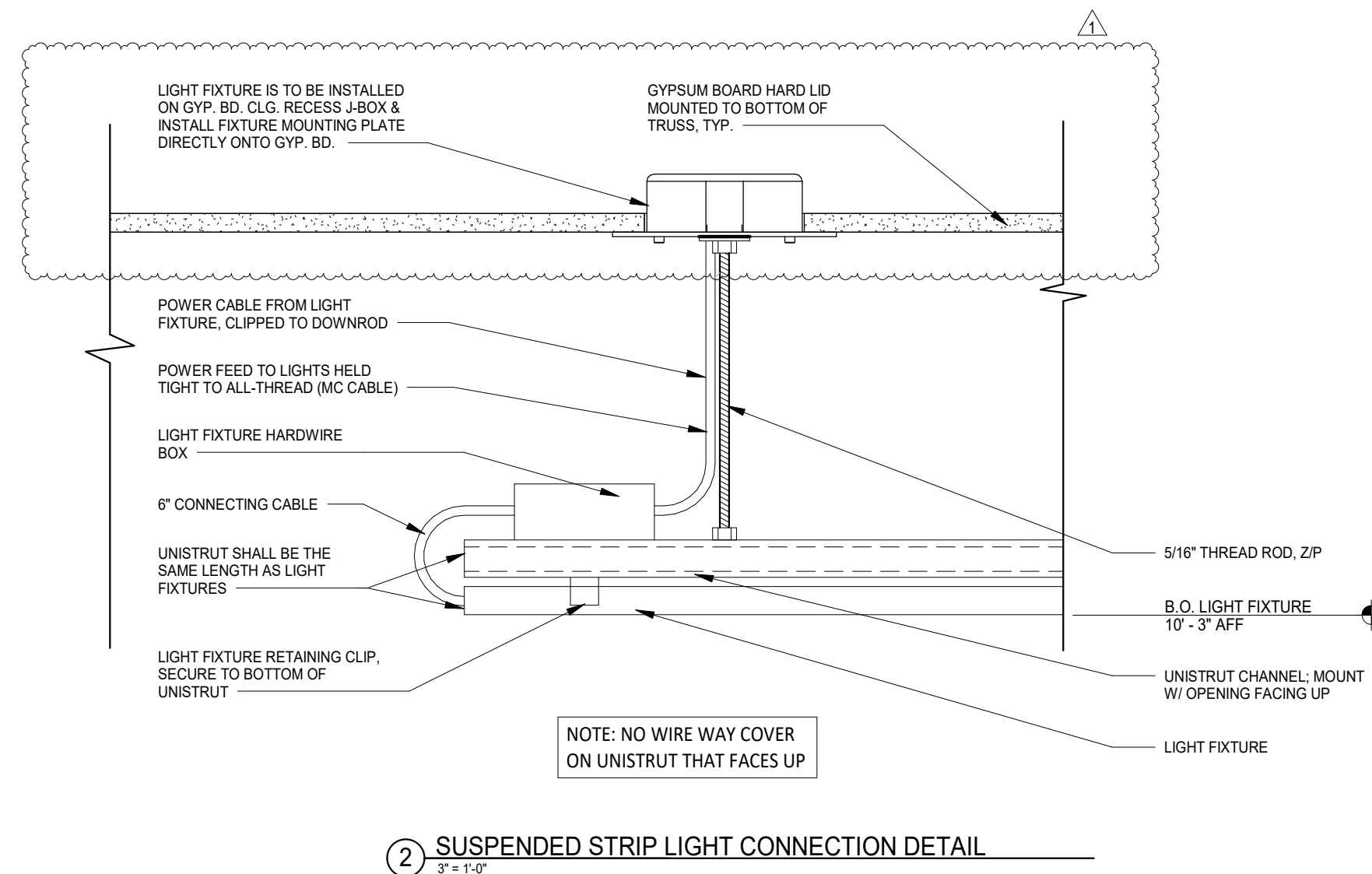
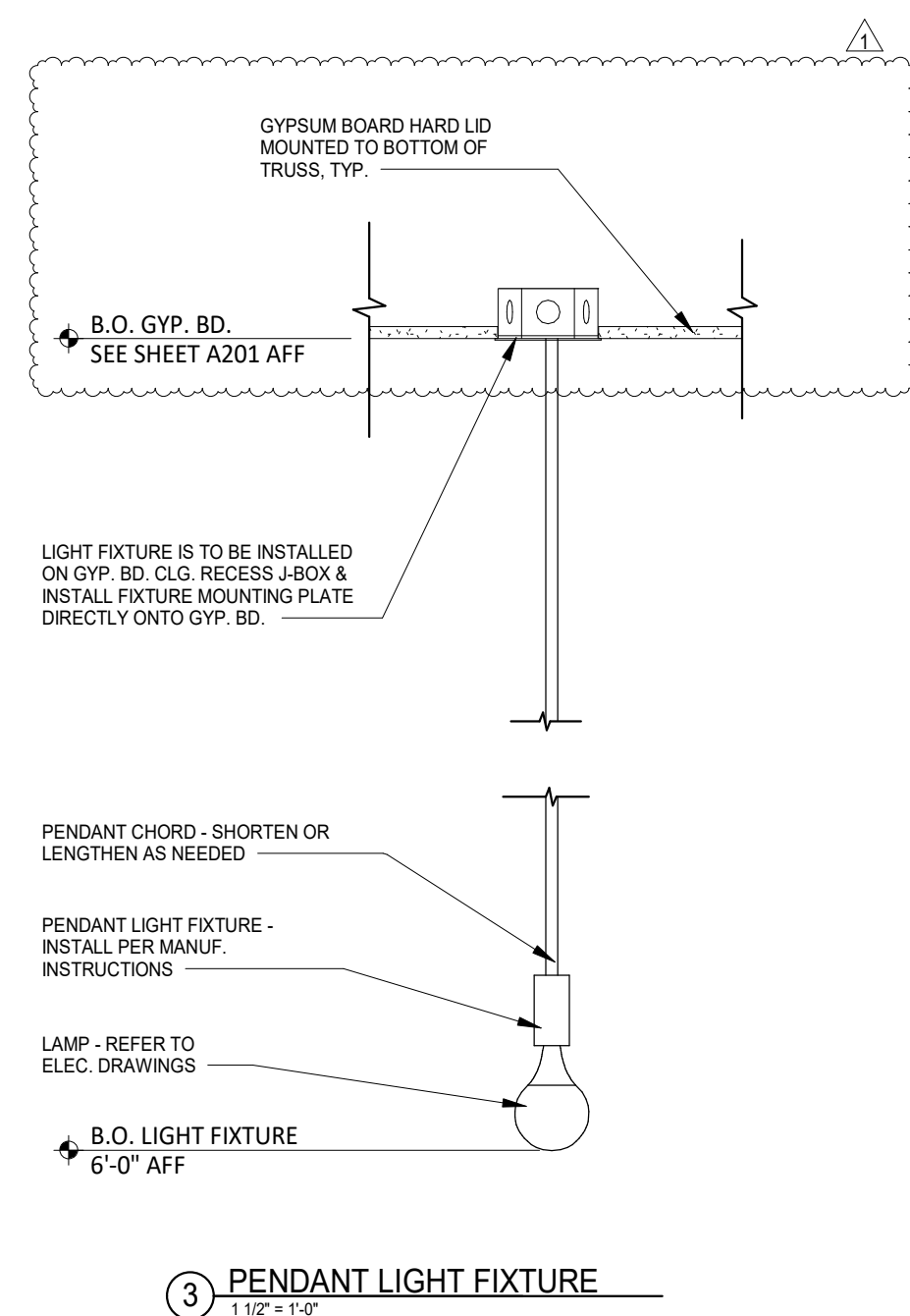
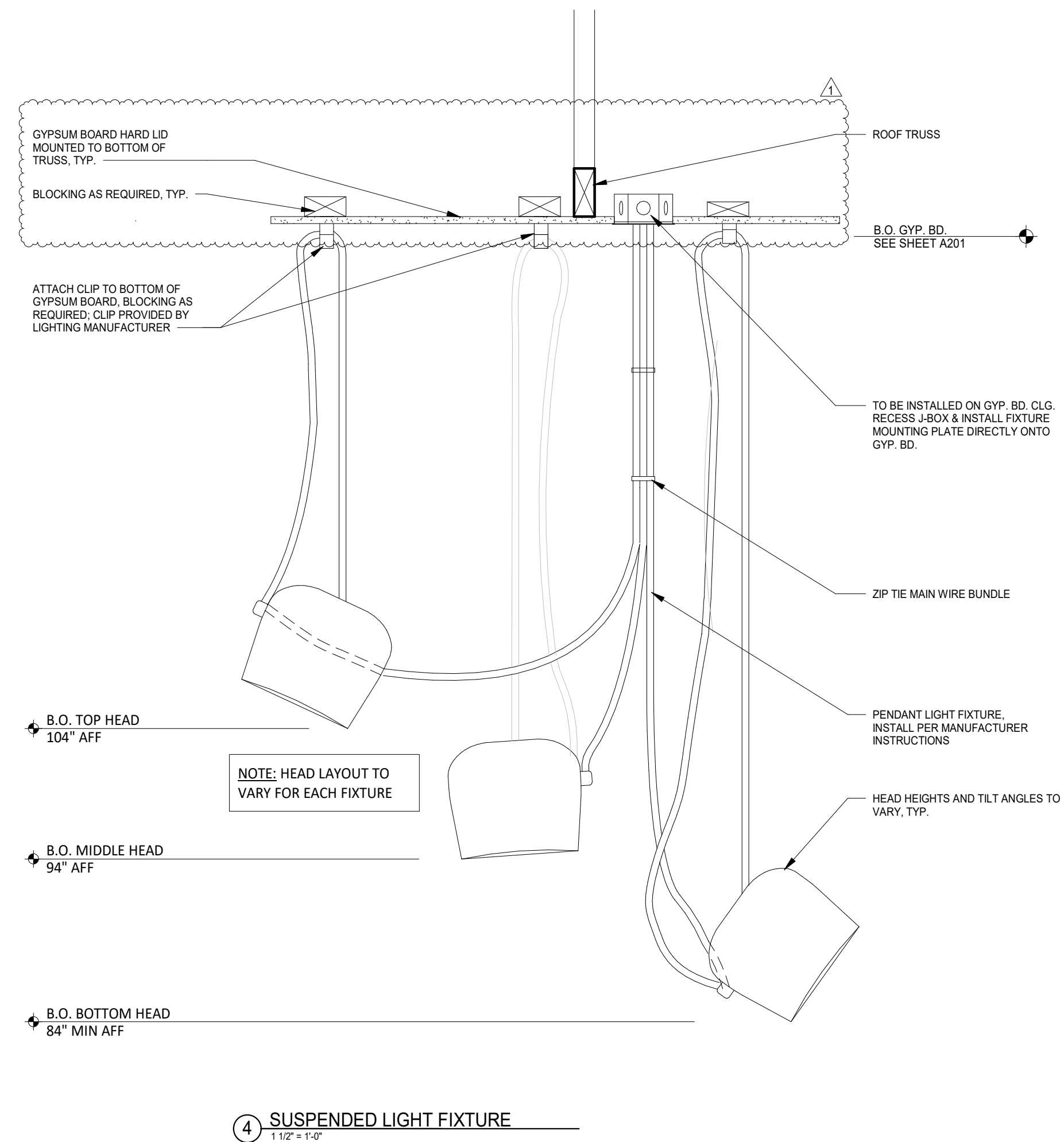
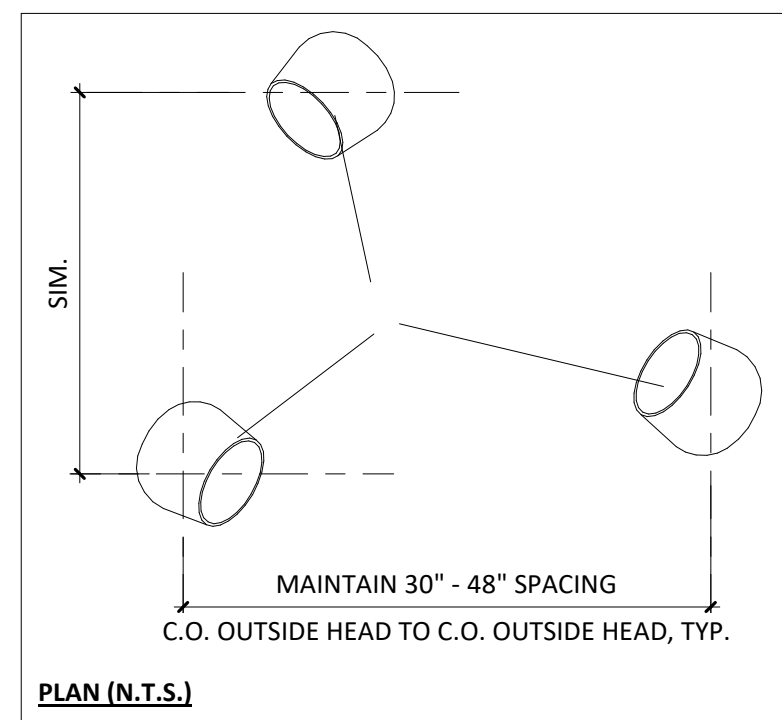
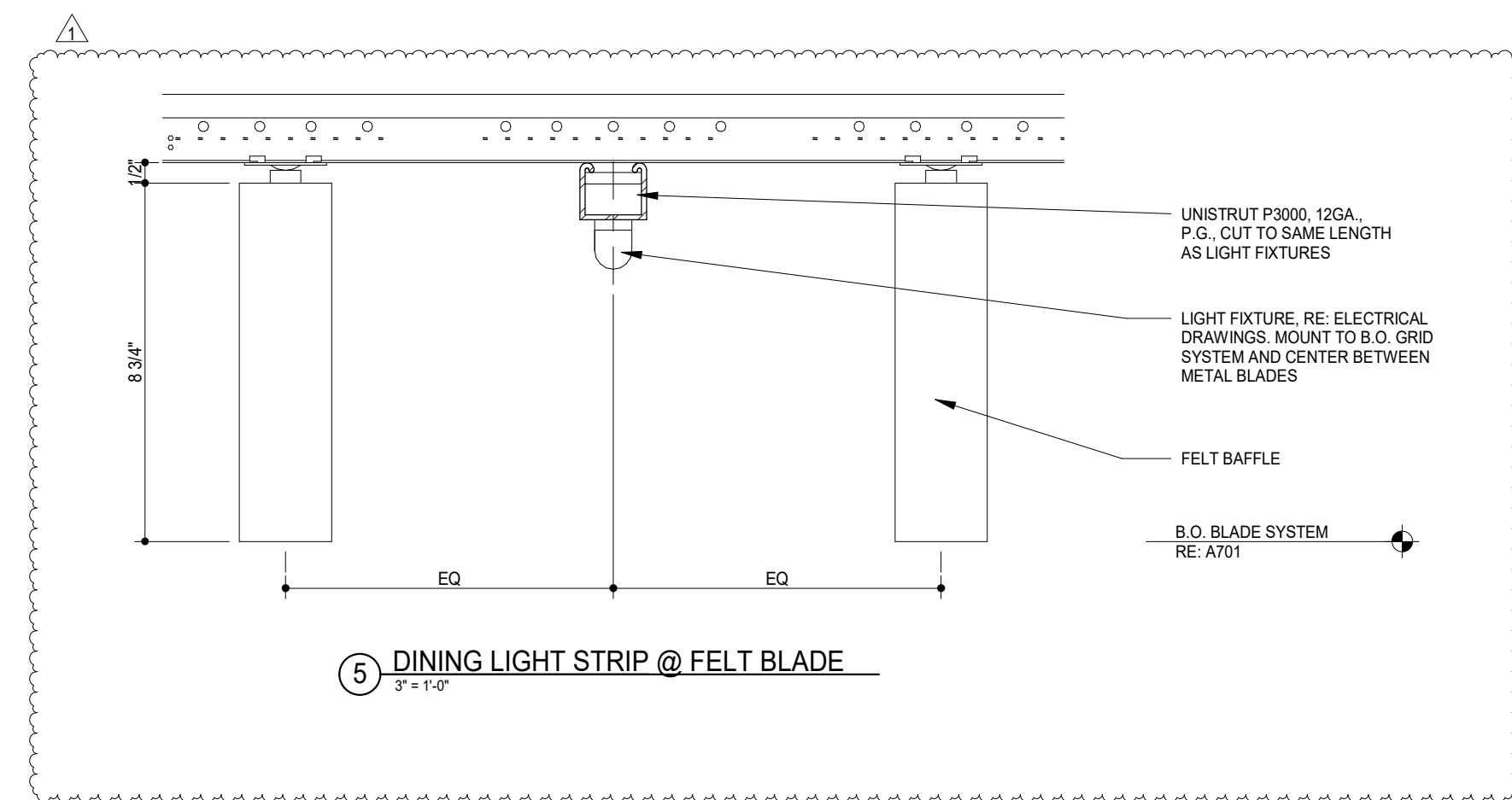
DETAILS 5, 6, 7 & 8 NOT USED



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GENERAL NOTES

- SIGNAGE IS SHOWN ONLY FOR PLACEMENT, SCALE & DESIGN INTENT. ALL SIGNAGE SHALL BE REVIEWED UNDER SEPARATE PERMIT.
 - EXTERIOR SIGNAGE PROVIDED BY TSV AND INSTALLED BY TSV. GC TO MAKE FINAL CONNECTION.
- PATCH AND REPAIR ALL FACADES IN PREMISES WHERE EXISTING SIGNS OR FIXTURES HAVE BEEN REMOVED OR WHERE FACADE HAS BEEN DAMAGED OR IS DISCLOSED.
- ENSURE THAT ALL STOREFRONT HAS CONTINUOUS, CLEAN SEALANT AROUND THE INTERIOR AND EXTERIOR PERIMETER BETWEEN THE STOREFRONT AND THE EXTERIOR WALL FINISHES.
- ALL COMPONENTS NOTED AS "EXISTING" IS EITHER AN EXISTING CONDITION OR NEW WORK THAT WILL BE PERFORMED BY THE LANDLORD UNDER A SEPARATE PERMIT PRIOR TO CHIPOTLE TAKING POSSESSION. ANY COMPONENT NOT NOTED SHALL BE ASSUMED TO BE "EXISTING". ALL COMPONENTS NOTED AS "NEW" IS IN THE SCOPE OF WORK OF THIS PROJECT.

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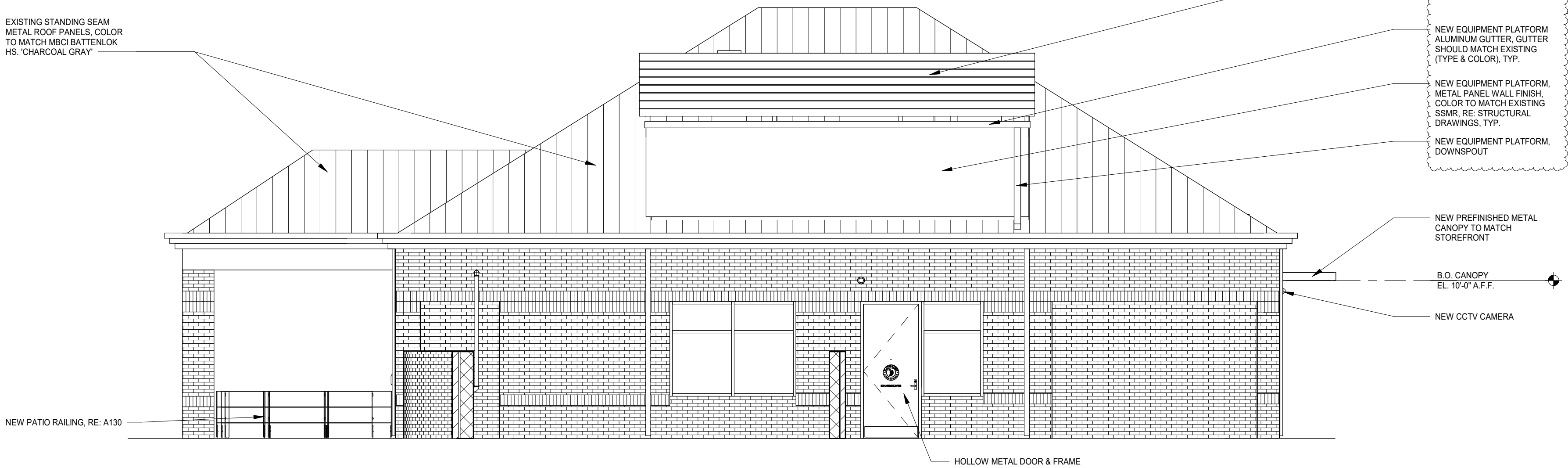
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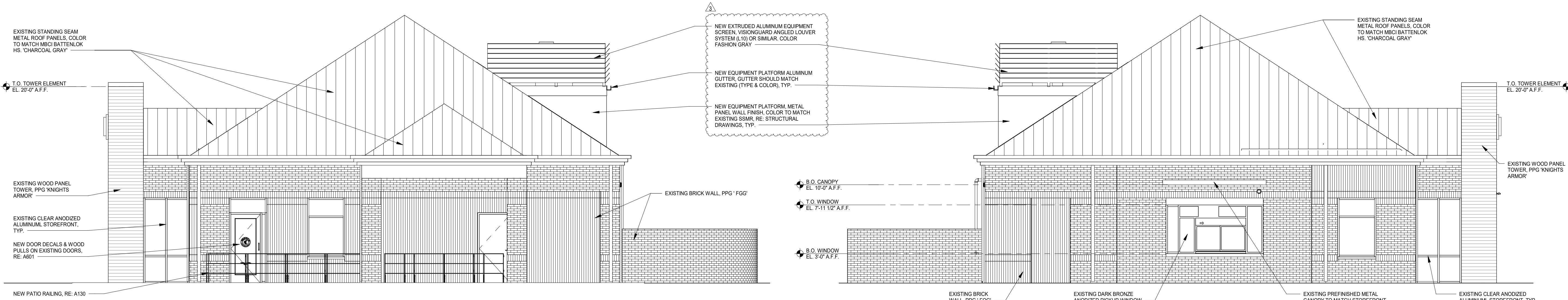
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Exterior Elevations

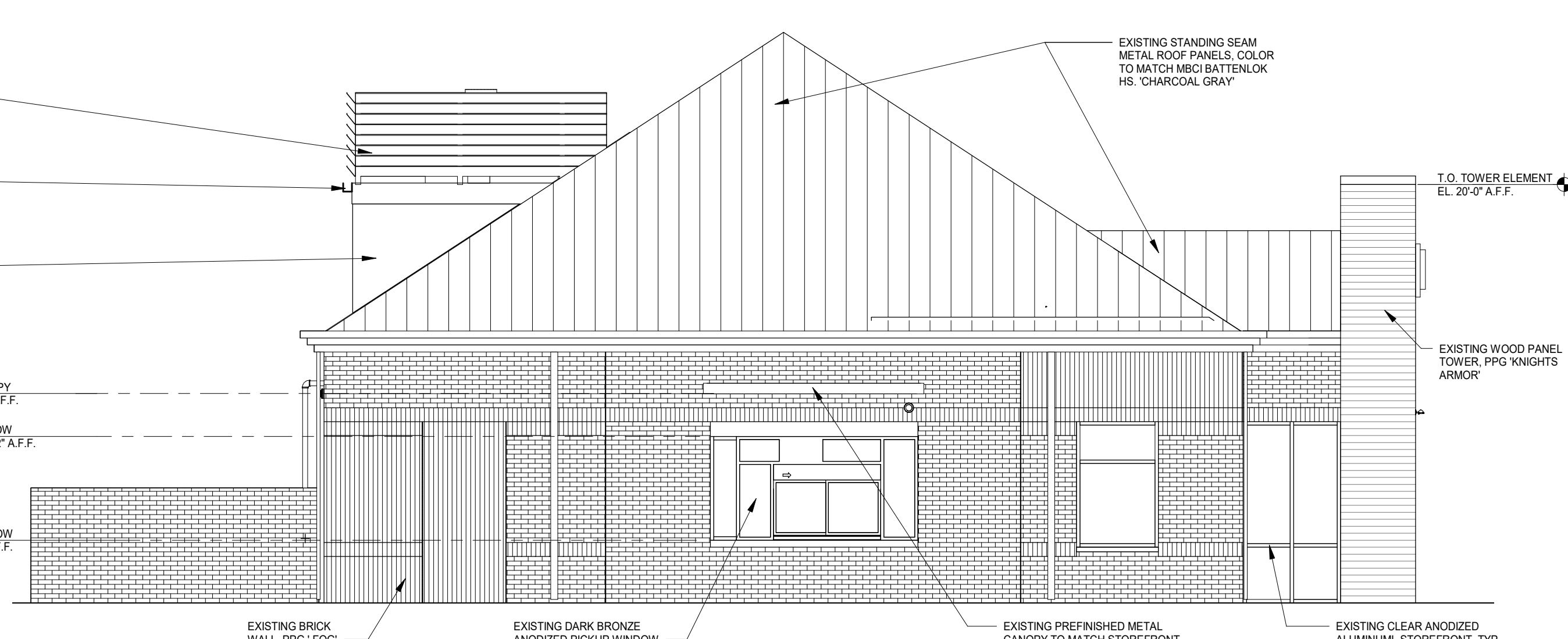
A301



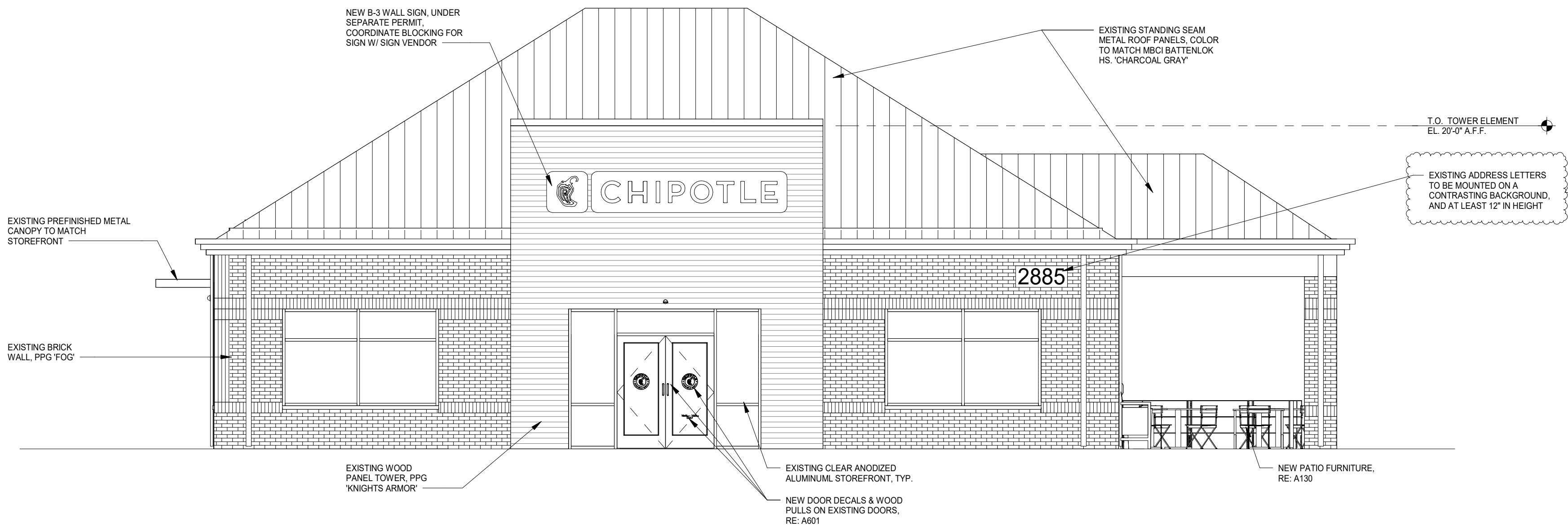
4 DEMO ELEVATION- SOUTH
3/16" = 1'-0"



3 ELEVATION- WEST
3/16" = 1'-0"

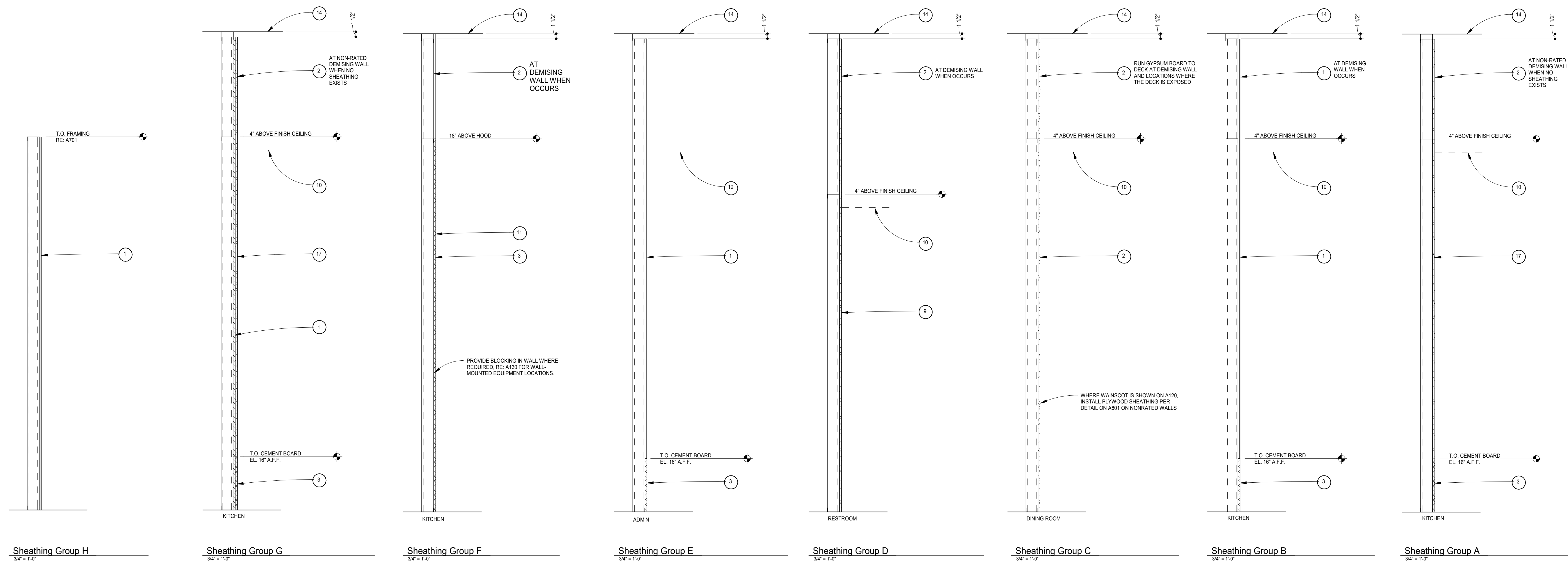


2 ELEVATION- EAST
3/16" = 1'-0"



1 ELEVATION- NORTH
3/16" = 1'-0"

WALL SHEATHING GROUPS



METAL STUD TABLE

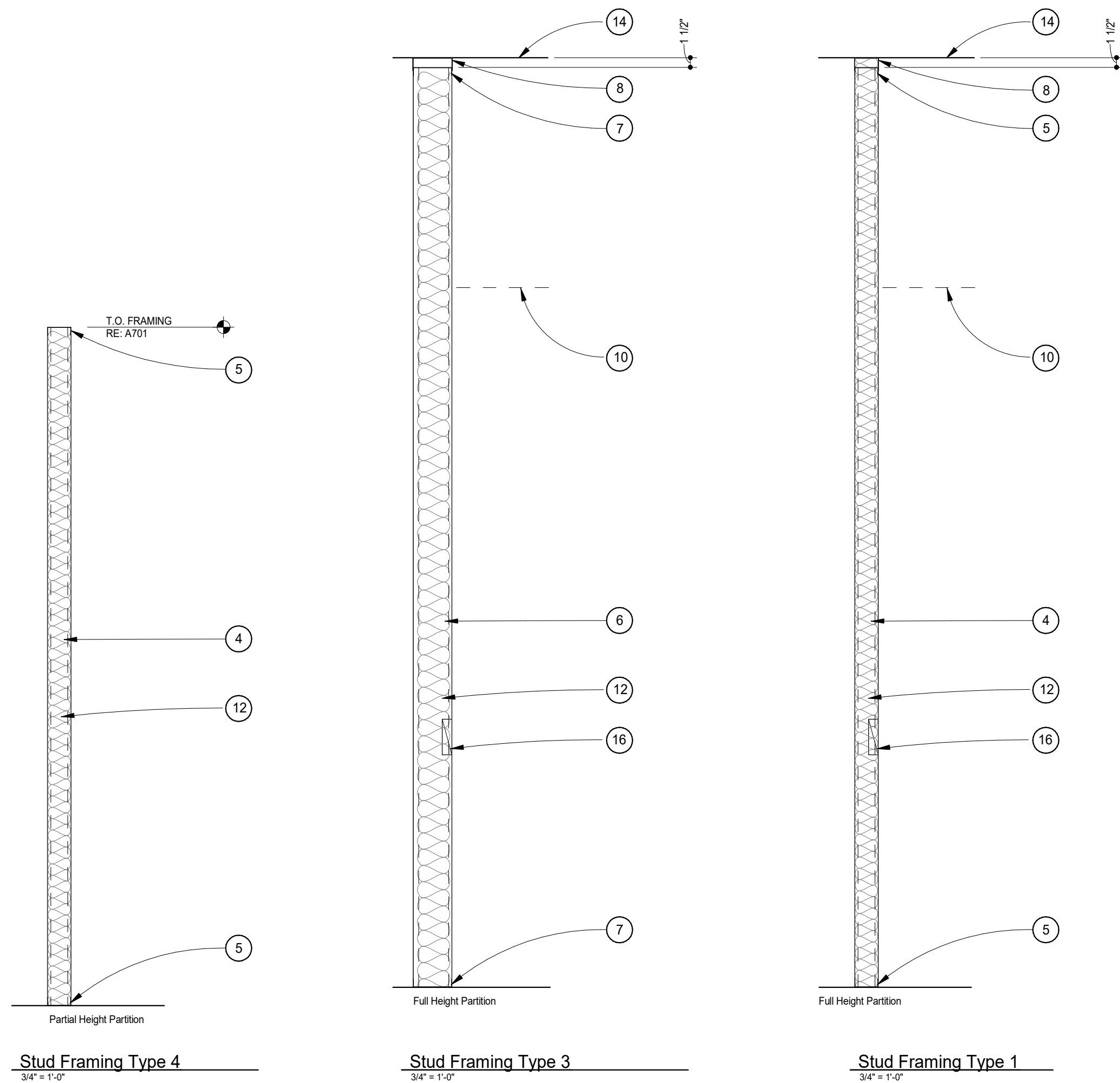
Stud Type	Spacing	Max. Height w/out Tie	Max. Height w Tie
PROSTUD 25 15ML	12" 16"	16'-8" 15'-2"	14'-7" 13'-3"
PROSTUD 22 18ML	12" 16"	17'-4" 15'-9"	15'-2" 13'-6"
PROSTUD 20 22ML	12" 16"	18'-11" 17'-2"	16'-6" 15'-0"

Stud Type	Spacing	Max. Height w/out Tie	Max. Height w Tie
PROSTUD 25 15ML	12" 16"	22'-0" 20'-8"	20'-6" 18'-7"
PROSTUD 22 18ML	12" 16"	23'-4" 21'-2"	20'-4" 18'-6"
PROSTUD 20 22ML	12" 16"	26'-0" 23'-7"	23'-0" 20'-11"

NOTES:

1. RE: STRUCTURAL DRAWINGS FOR BEARING WALLS
2. FOR PENETRATIONS UP TO 3'-0" WIDE THROUGH FRAMED
3. WALLS, PROVIDE AN ANCHOR BOLT FOR EACH FULL HEIGHT STUD
4. THAT NEEDS TO BE SHORTENED TO ACCOMMODATE THE
5. PENETRATION, DISTRIBUTING THE EXTRA JAMB STUDS EVENLY
6. ON EITHER SIDE OF THE OPENING. PROVIDE A TRACK SECURING
7. THE TOPS OF WALLS THAT ARE SHORTENED BELOW
8. PENETRATION.
9. METAL STUDS SHALL BE PROTRAK BY DIETRICH BUILDING
10. SYSTEMS OR EQUIVALENT, ES #0171
11. PROVIDE BRACING PER MANUFACTURER
12. STUDS SPECIFIED HAVE 1 1/4" FLANGES

METAL STUD FRAMING TYPES

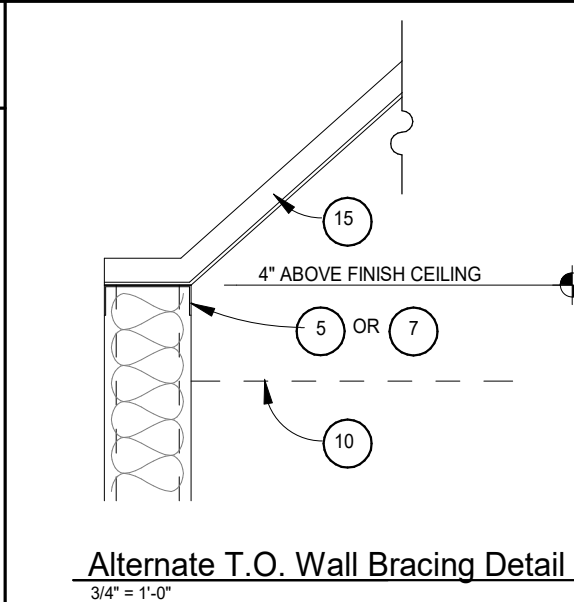


Keynotes

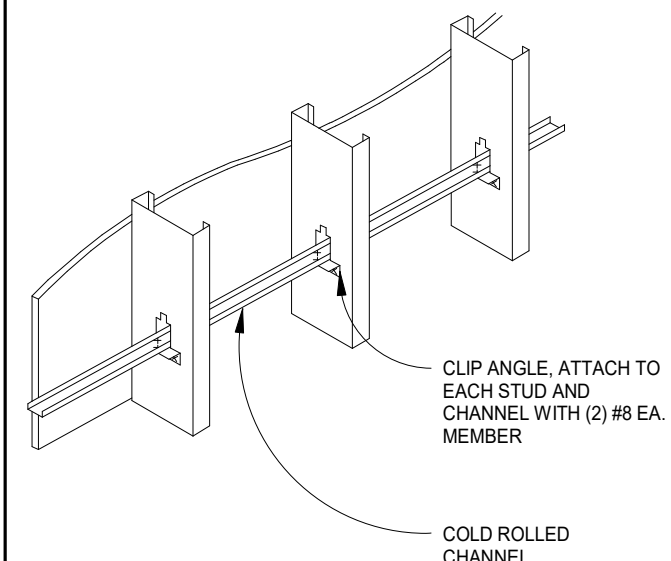
- | | |
|----|--|
| 1 | 5/8" PLYWOOD SHEATHING |
| 2 | 5/8" TYPE 'X' GYPSUM BOARD |
| 3 | 5/8" CEMENT BOARD |
| 4 | 3 5/8" METAL STUDS, SIZE PER METAL STUD TABLE UNLESS GIVEN ELSEWHERE IN THE DRAWINGS |
| 5 | 3 5/8" X 1 1/4" 20 GAUGE TRACK |
| 6 | 6" METAL STUDS, SIZE PER METAL STUD TABLE UNLESS GIVEN ELSEWHERE IN THE DRAWINGS |
| 7 | 6" X 1 1/4" 20 GAUGE TRACK |
| 8 | 2 1/2" HIGH, 20 GAUGE SLIP TRACK, OR PROVIDE TOP OF WALL BRACING DETAIL PER THIS SHEET |
| 9 | 5/8" MOISTURE RESISTANT GYPSUM BOARD |
| 10 | FINISH CEILING AS OCCURS - RE: PLANS AND SCHEDULES FOR FINISH AND MATERIAL |
| 11 | PROVIDE SHEET OF 24 GAUGE GALVANIZED METAL BEHIND SHEATHING, EXTEND 18" BEYOND EDGE OF HOOD IN ALL DIRECTIONS |
| 12 | 3 1/2" SOUND ATTENUATION BATTS AS OCCURS, UNFACED GLASS FIBER ACoustICAL INSULATION COMPLYING WITH ASTM C585, TYPE I RE: PLANS FOR LOCATION. |
| 13 | 5 1/2", R-21 THERMAL BATT INSULATION AS OCCURS, KRAFT-FACED GLASS FIBER INSULATION COMPLYING WITH ASTM C585, TYPE II, CLASS C, RE: PLANS FOR LOCATION. |
| 14 | BOTTOM OF ROOF OR FLOOR DECK |
| 15 | 3 5/8" 20 GA METAL STUD BRACING @ 6'-0". SECURE TO TOP TRACK OF WALL AND ROOF STRUCTURE |
| 16 | WOOD BLOCKING IN WALL TO SUPPORT WALL-MOUNTED EQUIPMENT/FURNITURE (EXCEPT AT WALLS WITH PLYWOOD SHEATHING). LOCATION/QUANTITY AS NEEDED TO PROPERLY INSTALL EQUIPMENT/FURNITURE. RE: A130 AND INTERIOR ELEVATIONS. |
| 17 | 5/8" DENSISHIELD GLASS-MAT GYPSUM BACKING BOARD |

GENERAL NOTES

1. ALL WALL SHEATHING SHALL BE ATTACHED TO STUDS AND FLOOR & CEILING RUNNERS WITH 1/2" X 7" X 1" LONG SELF-DRILLING SELF-TAPPING SCREWS. SCREWS SHALL BE SPACED AT 16" O.C. EDGES OF BOARDS 12" & 12" O.C. IN FIELD OF THE BOARDS.
2. SEAL ALL OPENINGS AT POINT OF DEMISING WALLS WHERE APPLICABLE.
3. ALL METAL STUDS TO CONFORM TO LOCAL BUILDING CODES.
4. ALL STUDS & PARTITIONS SHALL REQUIRE GYPSUM BOARD ON BOTH SIDES FOR THE FULL HEIGHT OF THE STUDS UNLESS SPECIFICALLY DETAILED OTHERWISE.
5. SUSPENDED WALLS SHALL HAVE GYPSUM BOARD WHICH EXTENDS 4" ABOVE THE SUSPENDING CEILING UNLESS SHOWN AND/OR NOTED OTHERWISE.
6. ALL STUD WALLS AND PARTITIONS SHALL HAVE CONTINUOUS LINES OF BRIDGING SPACING AT 4'-0" MAXIMUM ON CENTER. THE BRIDGING SHALL BE SIZED TO BRIDGE THE STUDS WITH EITHER SCREWS OR WELDS. REFER TO DETAIL THIS SHEET.
7. ALL STUDS SHALL BE CEED, STUDS WITH FLANGE STIFFENERS.
8. ALL STUDS SHALL BE SIZED TO SUPPORT ALL PARTITION INSTALLATIONS, WHERE THE STUD MANUFACTURER'S RECOMMENDATIONS OR LOADS ARE MORE RESTRICTIVE, THEY SHALL APPLY.
9. PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED ARTWORK, TOILETS AND KITCHEN CABBINETS.
10. ALL SHEATHED METAL STUDS PER DETAIL THIS SHEET. AT CONTRACTOR'S OPTION, USE ALTERNATE T-1 WALL BRACING DETAIL ON THIS SHEET FOR WALLS THAT DO NOT HAVE WALL BRACING EXTENDING TO S.O. ROOF OR FLOOR DECK ABOVE FASTENERS.
- A STEEL STUDS TO STEEL STUDS OR TRACKS:
 - 20 GAUGE - #6 - 18" X 1 1/2" X 7" TYPEX WITH PHILLIPS PAN HEAD - MIN. 2 PER CONNECTION
 - 18/16 GAUGE - #10 - 16" X 3/4" TYPEX WITH PHILLIPS PAN HEAD - MIN. 3 PER CONNECTION
- B STEEL STUDS TO STUDS TO WOOD RUILERS, GRIDDERS AND BEAMS:
 - #14 - 10 X 1 1/2" X 1 1/2" H.W. TYPE "S" METAL-TO-WOOD TEKS AT 12" O.C. 2" FROM EACH END
 - 10 STEEL STUDS TO TRACKS TO STRUCTURAL STEEL (TUBESIDE FULM CLOS. B.MFS, GRIDDERS, ETC.)
 - 0.145 DAD. 1/4" X 1/4" X 2" SELF FASTENERS, 5/8" MIN. LENGTH
 - 20 MIN. OF 2" PER CONNECTION
- C STEEL STUDS TO CONDUIT APPLICATIONS SUCH AS TRACKS, UNO.
- D PLYWOOD FOR STEEL STUDS:
 - #10 - 24 X 1-1/4" TEKS (PLYMETALKS) WITH W/IN THIN WATER - 4" O.C. FILLED, 12" O.C. PERIMETER
- E GYPSUM BOARD TO STEEL STUDS:
 - #7 1/4" X 1/4" PLOW TYPE "S" BUGLE HEAD SCREWS FOR 3/8" TO 1/2" STUDS TO 12 GAUGE OR 20 GAUGE OR TRACKS
 - #7 1/4" X 1/4" TYPE "S" BUGLE HEAD SCREWS FOR 3/8" TO 5/8" TO 18 GAUGE OR 16 GAUGE STUDS OR TRACKS
 - FIELD - 12" O.C. CEILINGS, 24" O.C. WALLS
 - BUTT JOINTS 12" O.C.
- F STEEL STUDS OR TRACKS TO CONCRETE:
 - 1/4" DAD. 1/4" X 1/4" X 2" SELF FASTENERS, 1" MIN. LENGTH, 2 ROWS AT 16" O.C.

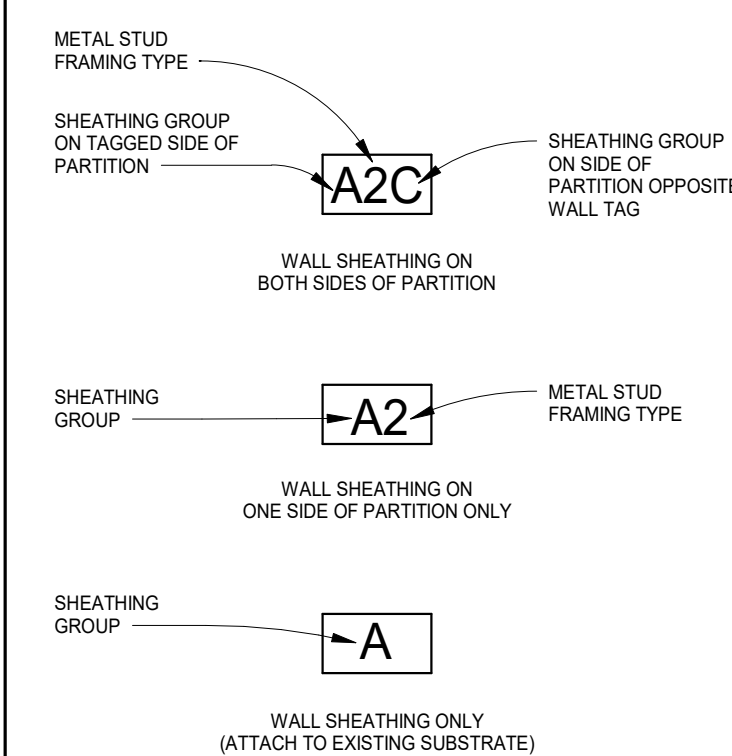


Alternate T.O. Wall Bracing Detail



Unsheathed Wall Stabilization

WALL TYPE SYMBOL LEGEND



DUNGAN
DESIGN
GROUP

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West Conway
Store No. 5356
2885 Prince Street
Conway AR 72034

Issue Record:

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Revisions:

[illegible]

Project No.

01768

Architectural Wall Types

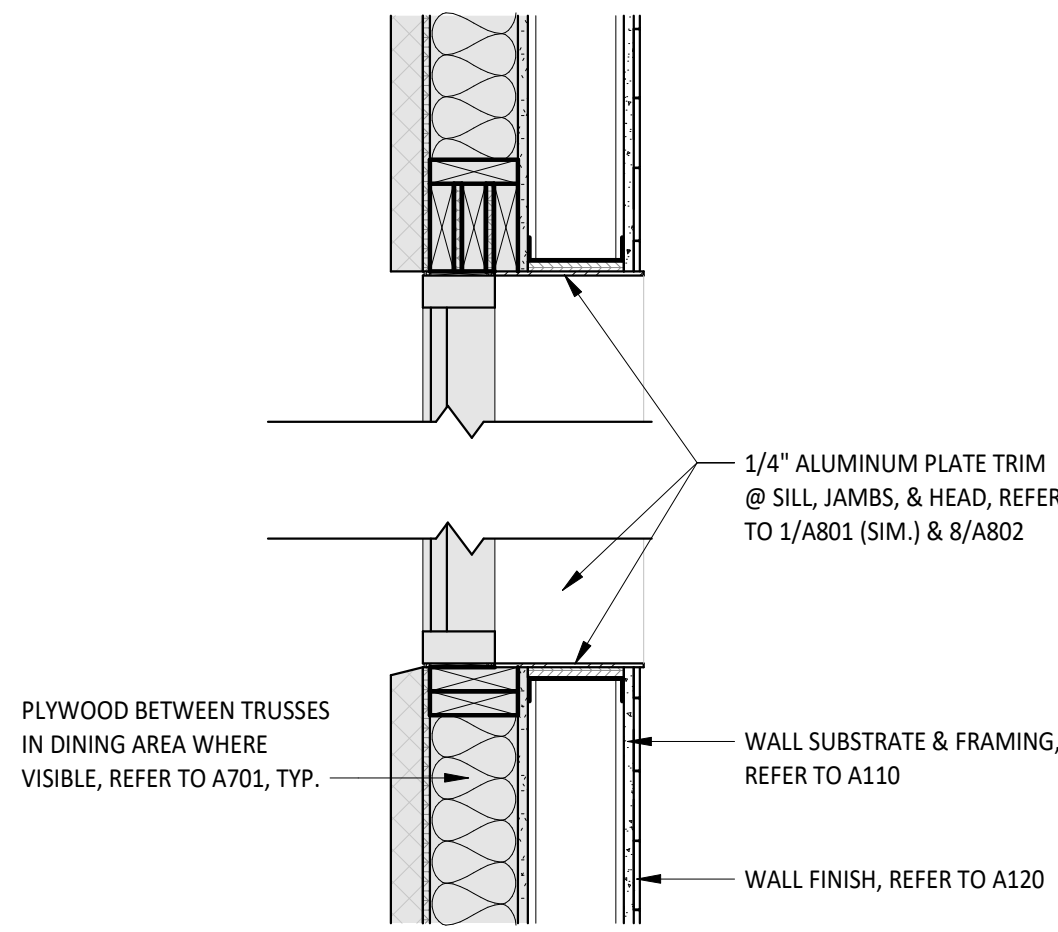
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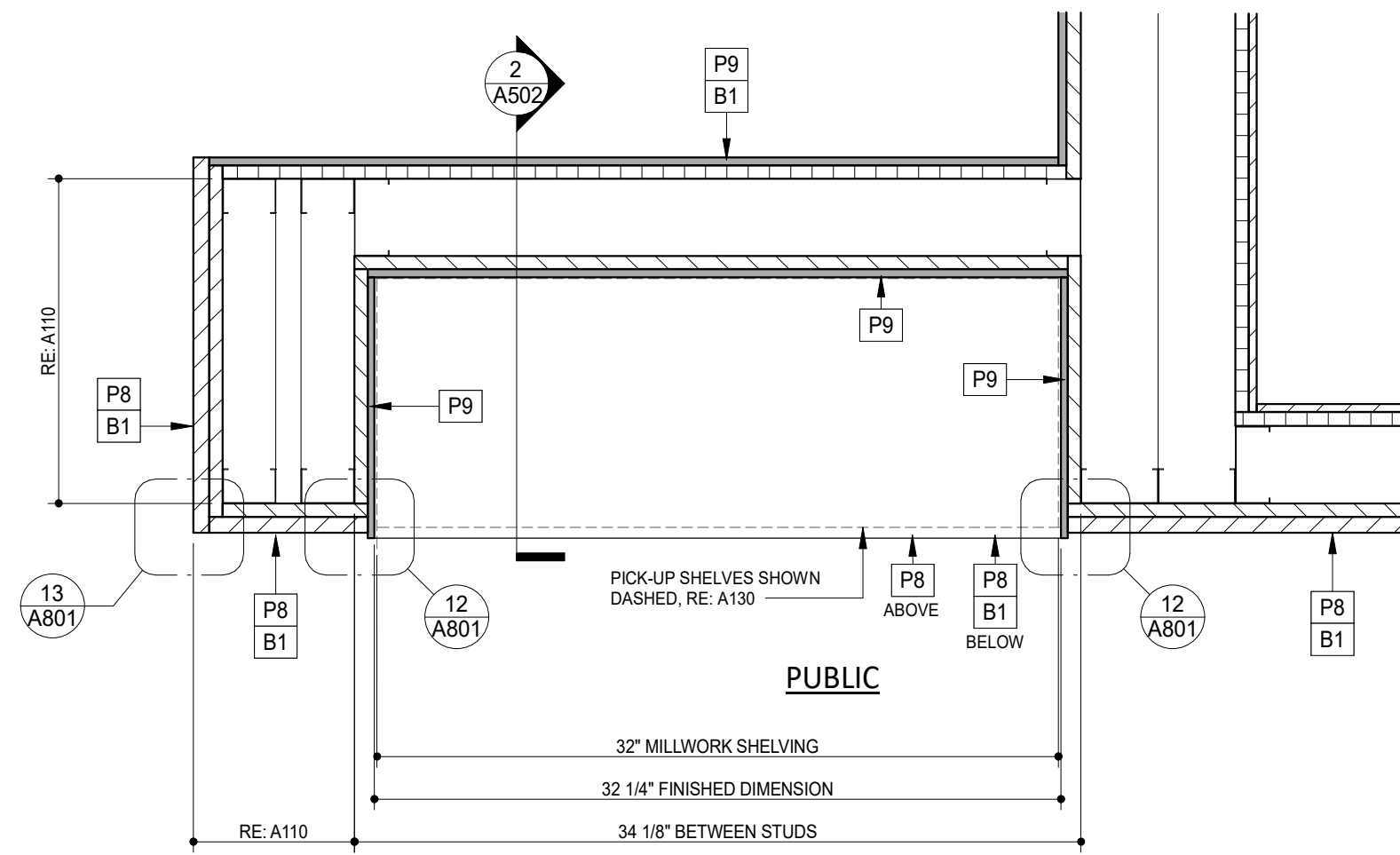
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Revisions:	
09/06/24	CB 01

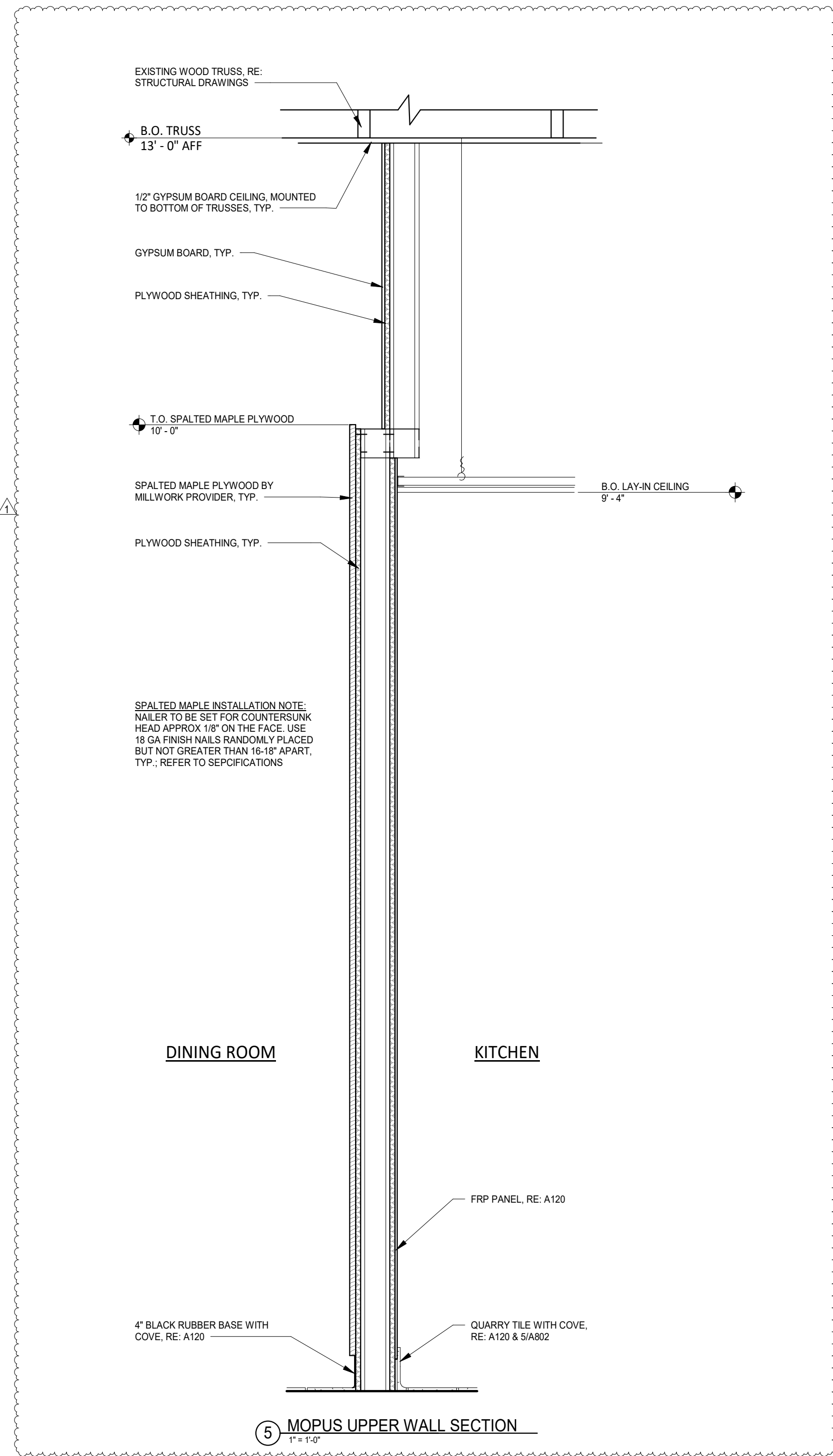
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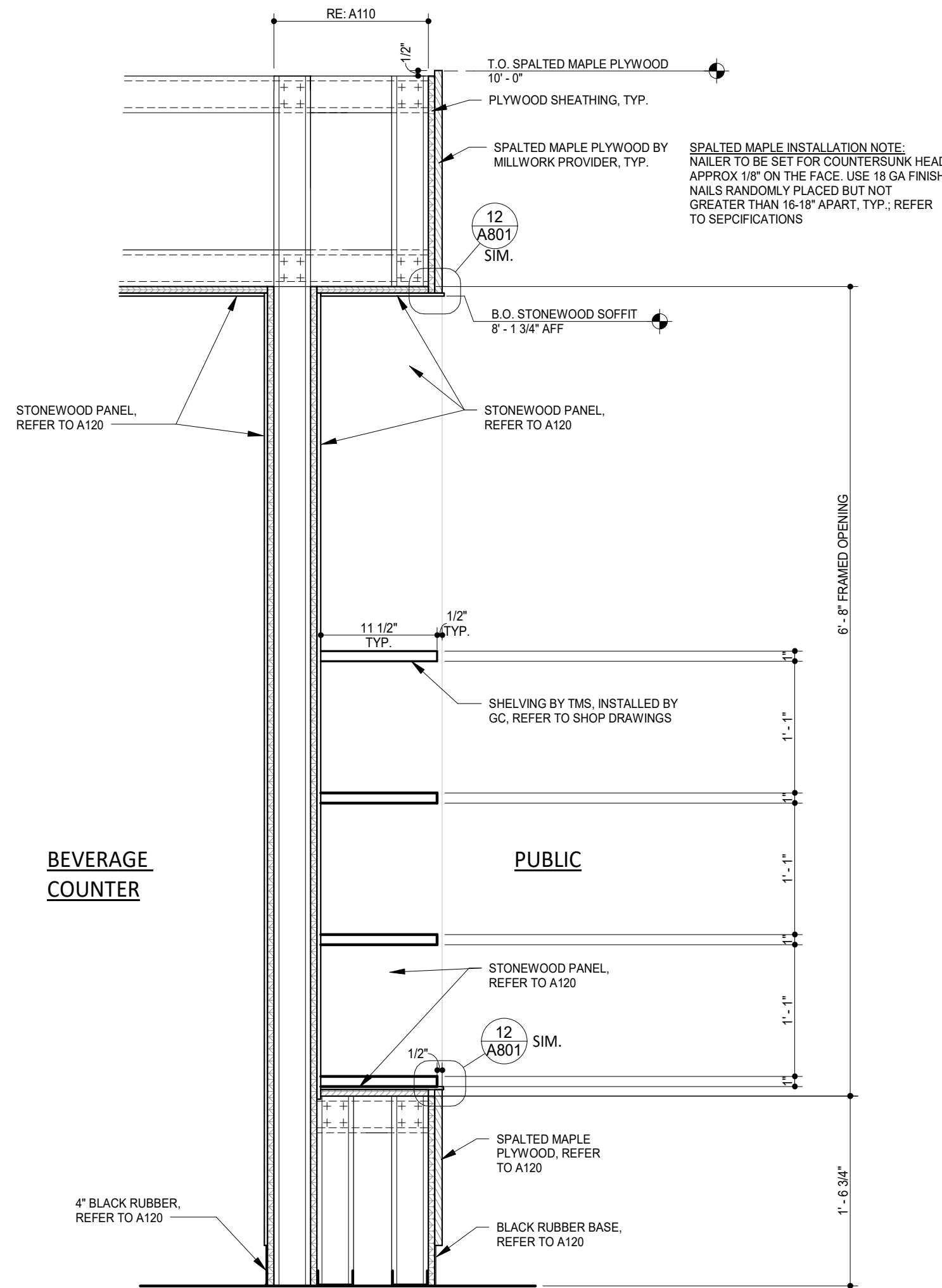
4 WINDOW FINISH SECTION
1" = 1'-0"



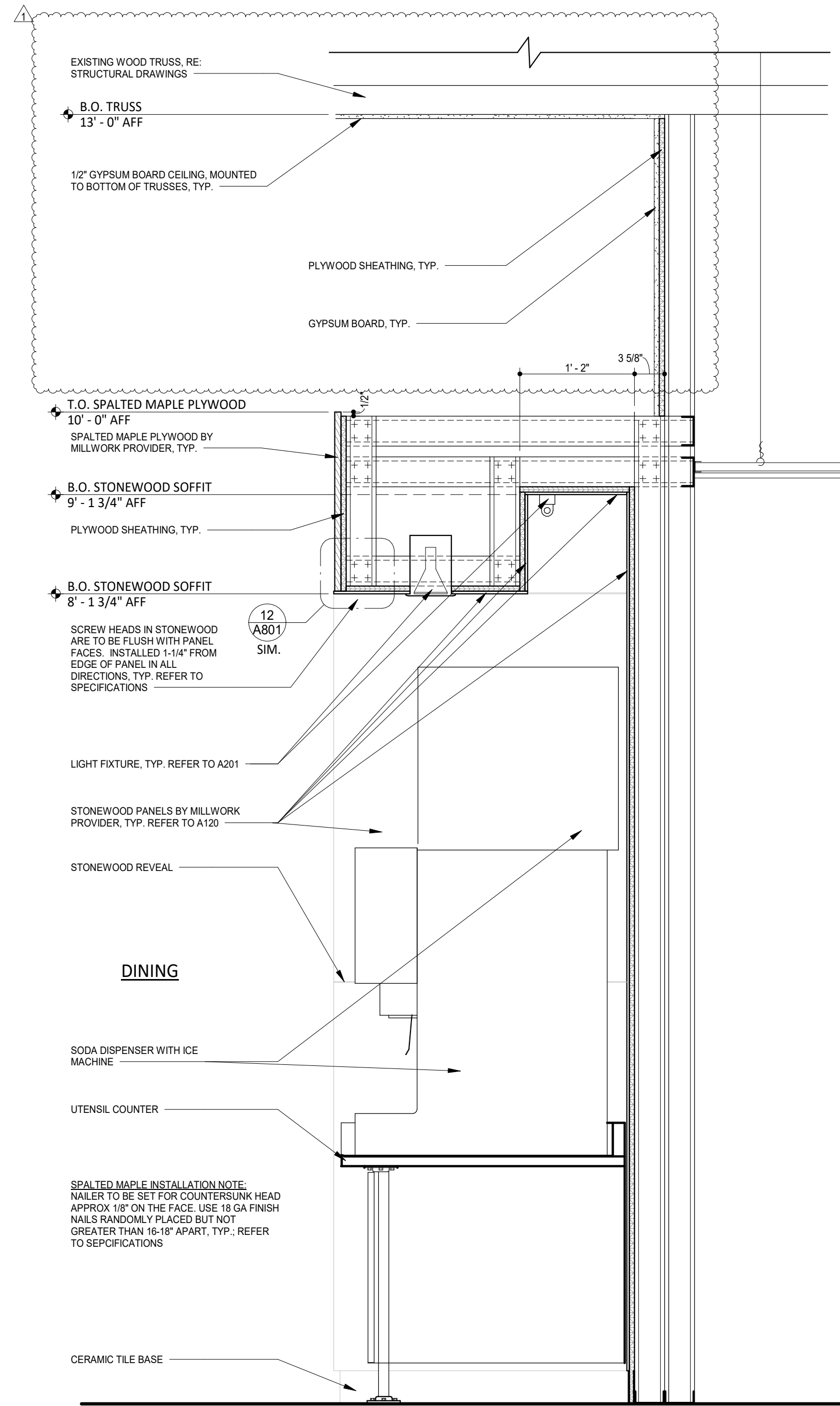
3 ENLARGED PLAN AT MOBILE ORDER PICKUP SHELVES (MOPUS)
1 1/2" = 1'-0"



5 MOPUS UPPER WALL SECTION
1" = 1'-0"



2 MOPUS SECTION
1" = 1'-0"



1 UTENSIL COUNTER SECTION
1" = 1'-0"

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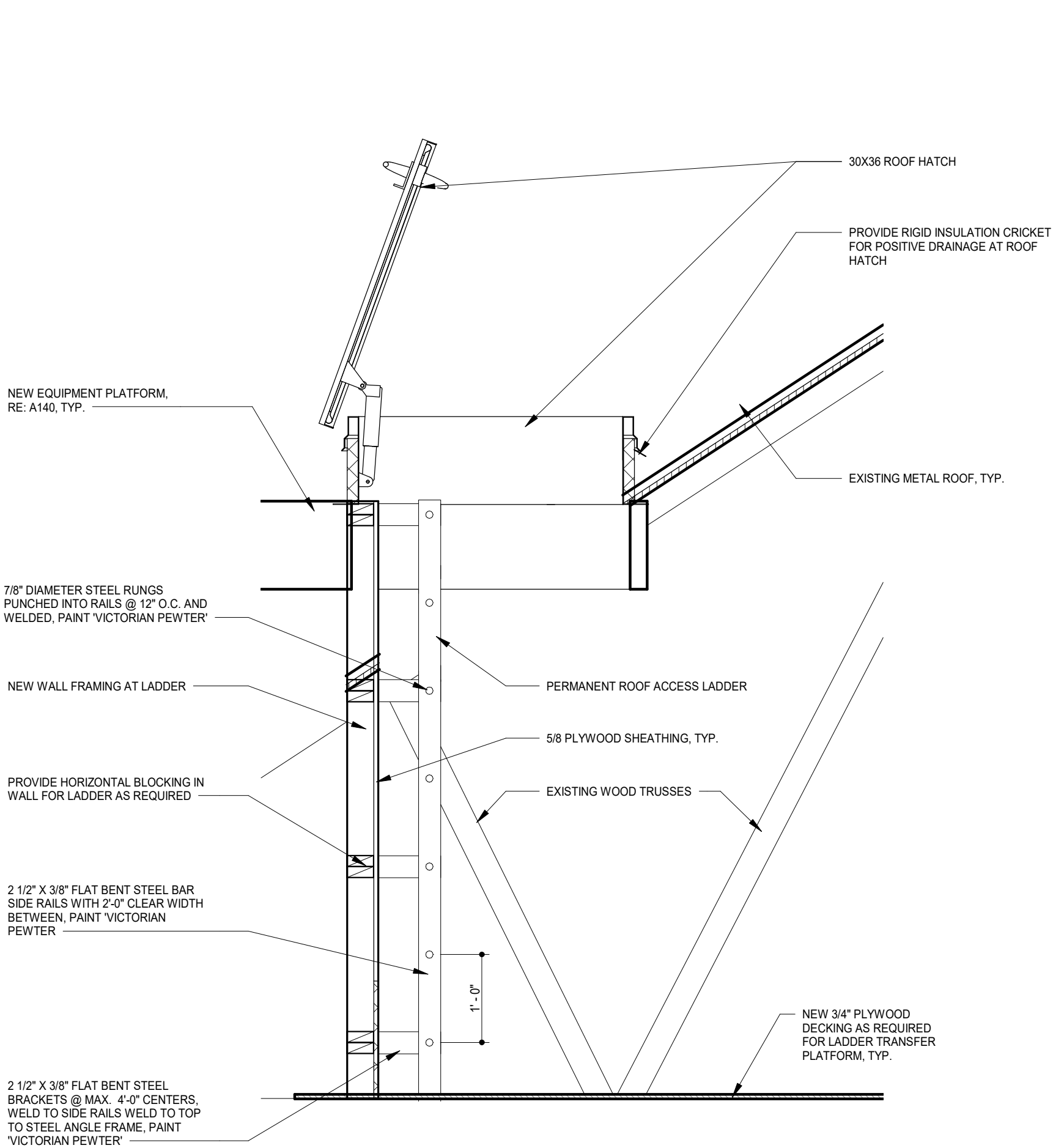
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Revisions:	
09/06/24	CB 01
09/27/24	CB 03

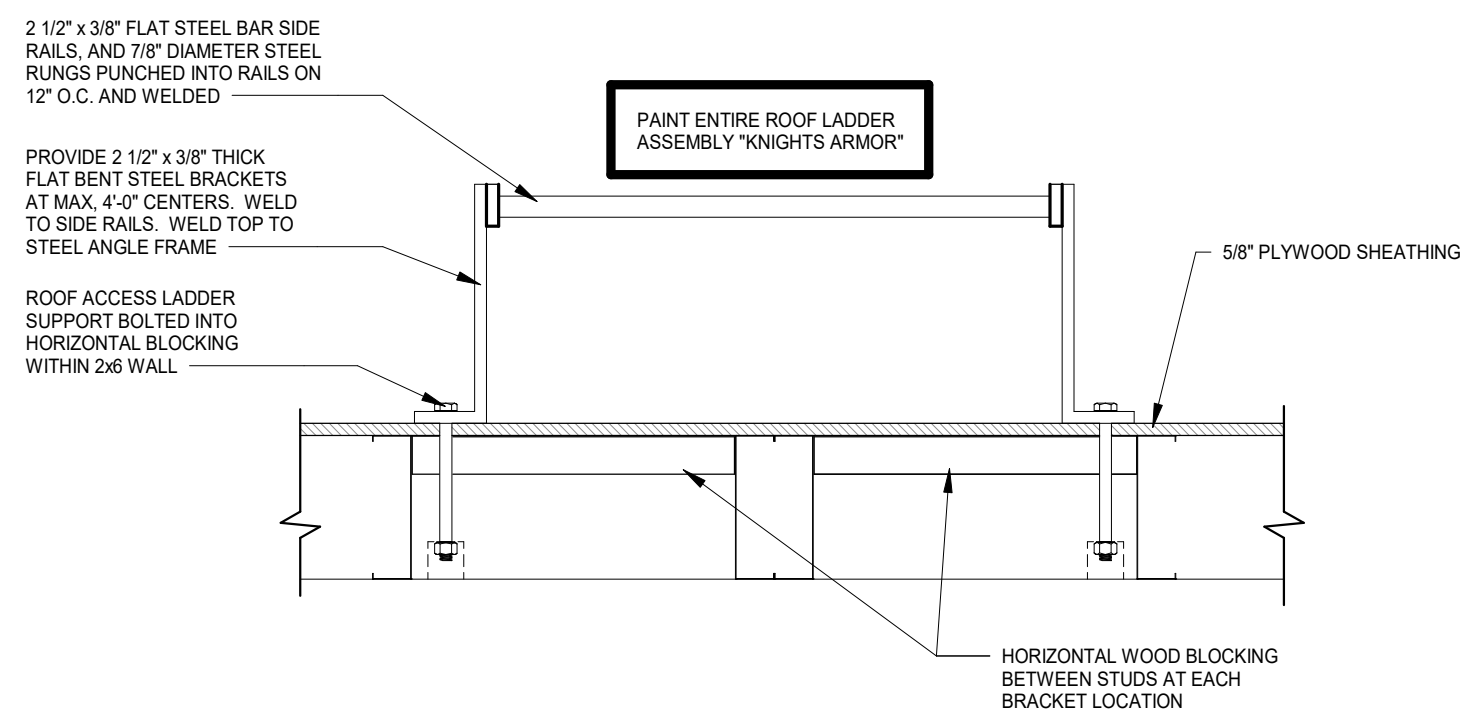
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01768

Interior Sections

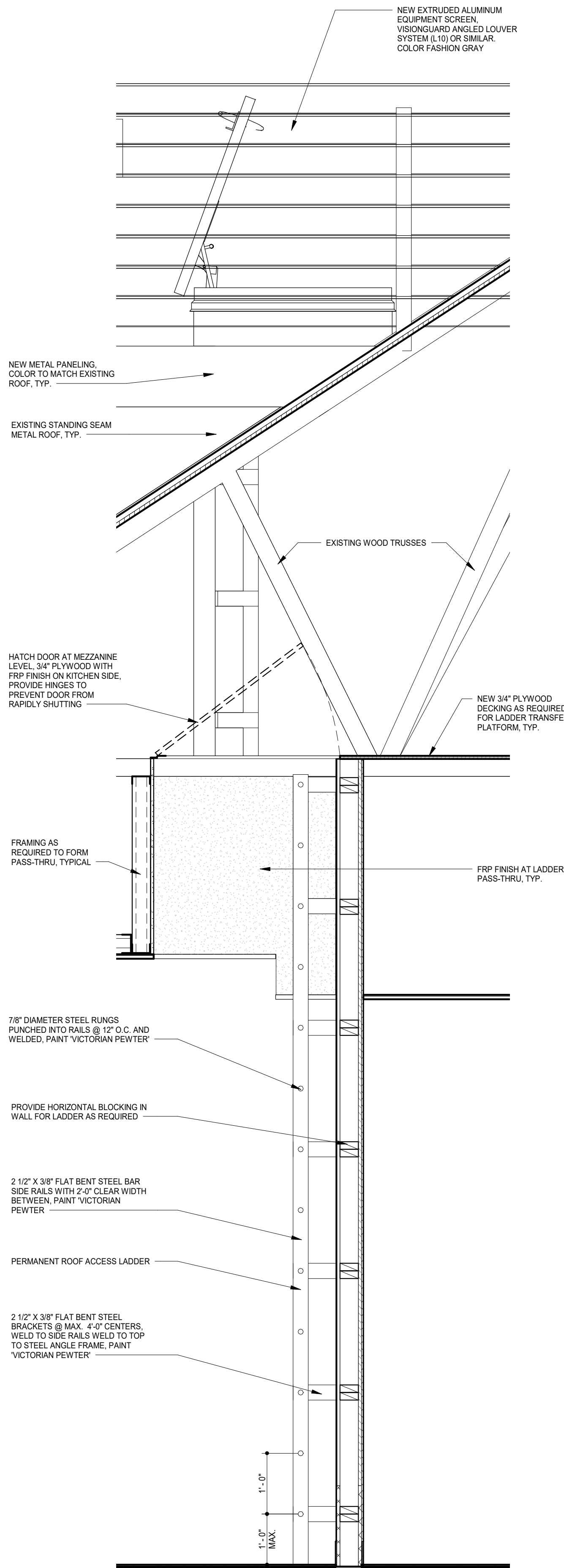
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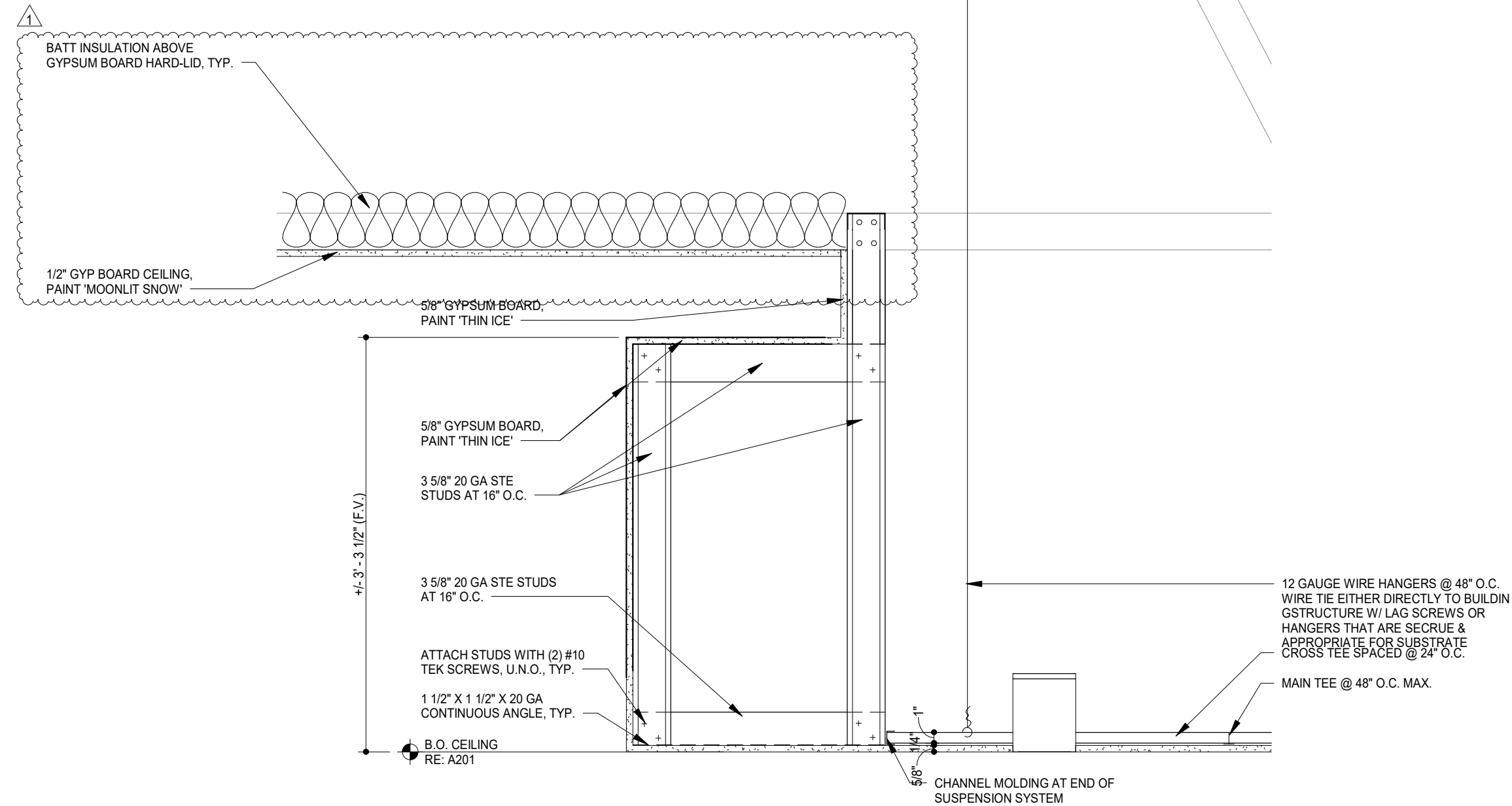
3 ROOF LADDER SECTION - HIGH
3/4" = 1'-0"



4 ROOF LADDER DETAIL
1 1/2" = 1'-0"



2 ROOF LADDER SECTION - LOW
3/4" = 1'-0"



1 SEVICELINE SOFFIT DETAIL
1" = 1'-0"

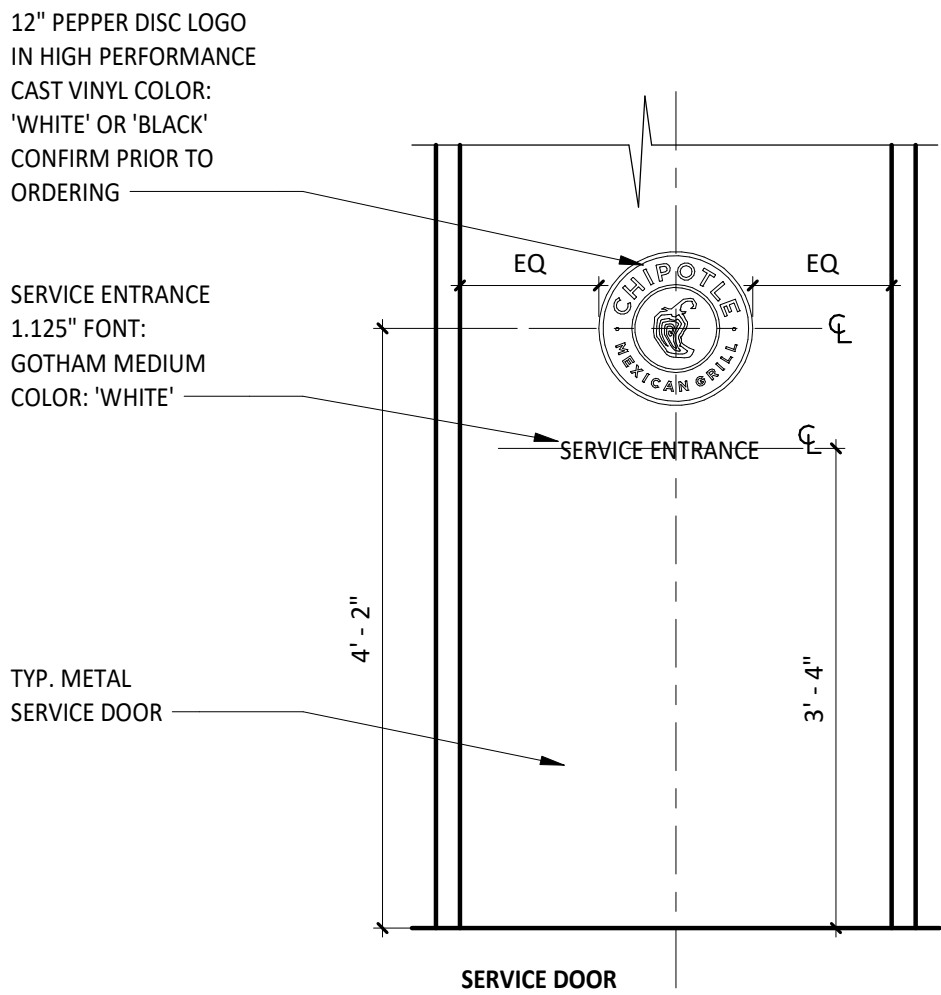
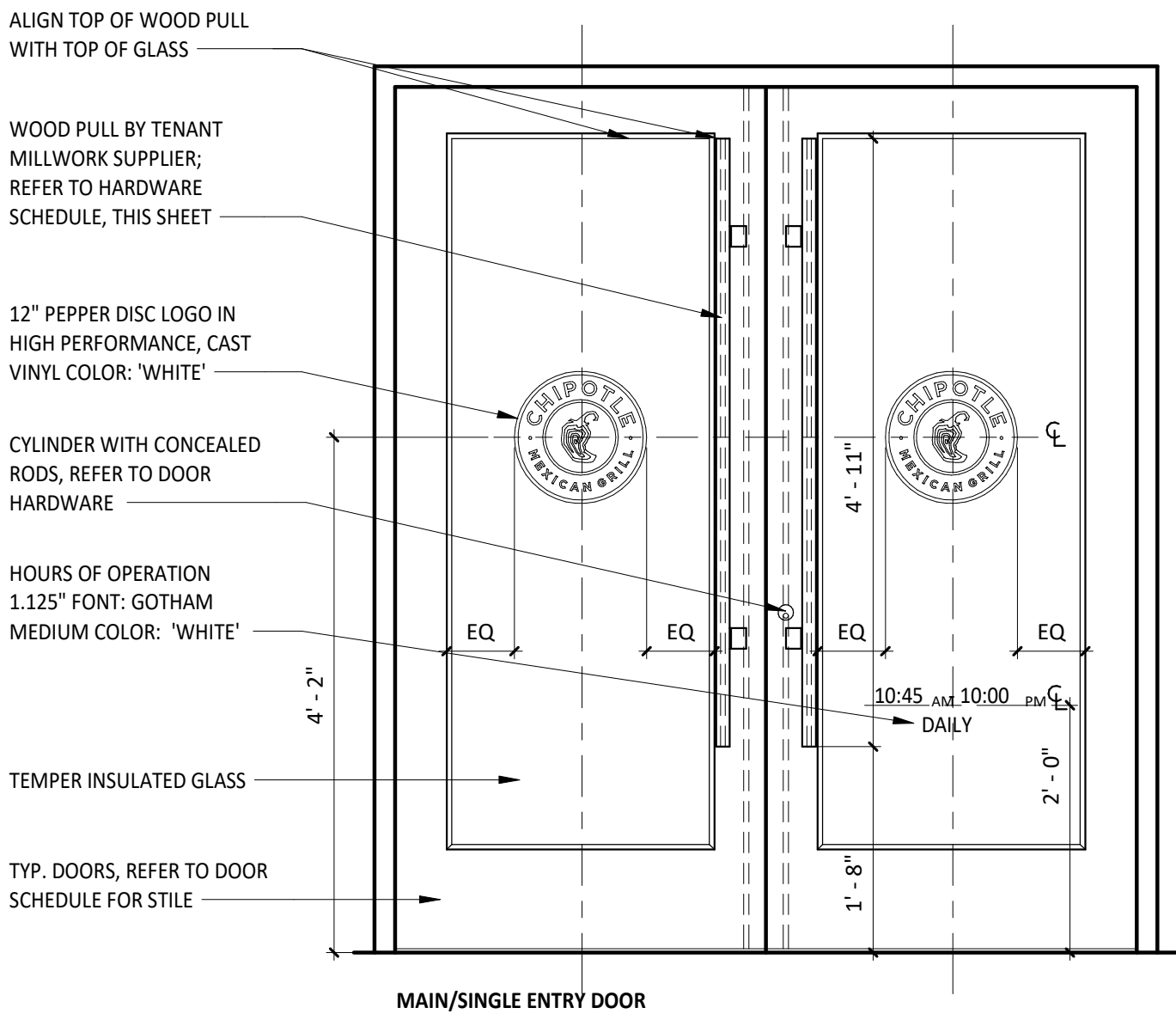
DOOR SCHEDULE

TAG	DESCRIPTION	DOOR	STATUS	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	STILE	DOOR FINISH	FRAME	FRAME TYPE	FRAME FINISH	HARDWARE SET	FIRE RATING	REMARKS
1	MAIN ENTRY - PAIR	EXISTING	6'-0"	7'-0"	1 3/4"	A	WIDE	CLEAR ANODIZED	EXISTING	ALUM. STOREFRONT	CLEAR ANODIZED		1		1,2,4,5
2	VESTIBULE - PAIR	EXISTING	6'-0"	7'-0"	1 3/4"	A	WIDE	CLEAR ANODIZED	EXISTING	ALUM. STOREFRONT	CLEAR ANODIZED		6		1,2,4,5
3	DINING EXIT - SINGLE	EXISTING	3'-0"	7'-0"	1 3/4"	A	WIDE	CLEAR ANODIZED	NEW	ALUM. STOREFRONT	CLEAR ANODIZED		2		1,3,4,5
4	KITCHEN EXIT - SINGLE	EXISTING	3'-6"	7'-0"	1 3/4"	D	-	D1, RE: A120	NEW	HOLLOW METAL	D1, RE: A120		3		1,4,6. ONLY PAINT INTERIOR SIDE OF DOOR & FRAME, EXTERIOR PAINT IS EXISTING
5	ADMIN - SINGLE	NEW	3'-0"	7'-0"	1 3/4"	C	-	D1, RE: A120	NEW	HOLLOW METAL	D1, RE: A120		4		
6	RESTROOM 109 - SINGLE	NEW	3'-0"	7'-0"	1 3/4"	B	-	D1, RE: A120	NEW	HOLLOW METAL	D1, RE: A120		5		
7	RESTROOM 110 - SINGLE	NEW	3'-0"	7'-0"	1 3/4"	B	-	D1, RE: A120	NEW	HOLLOW METAL	D1, RE: A120		5		

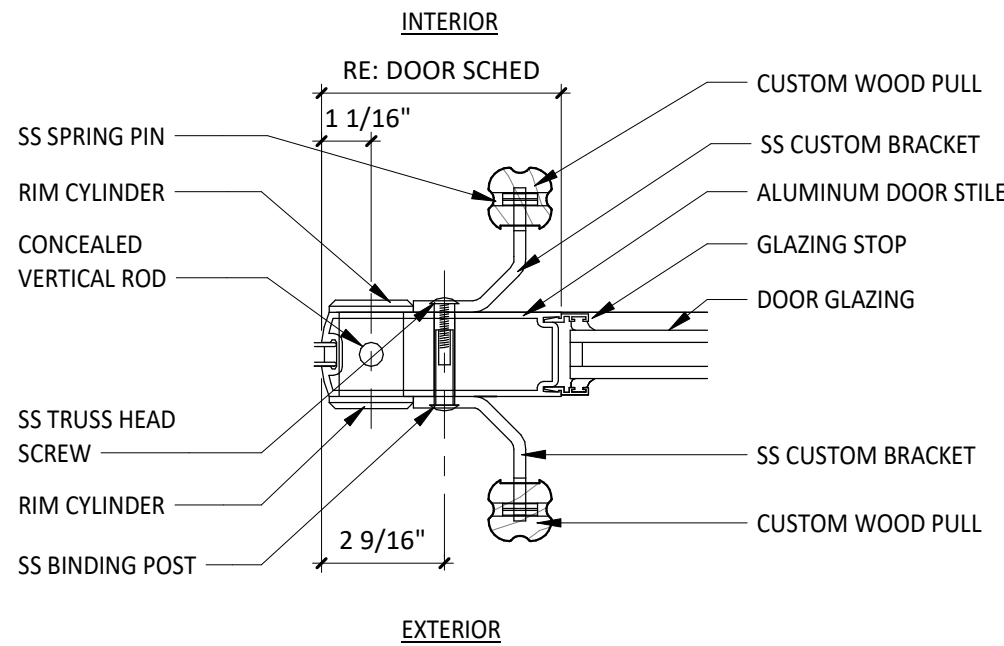
DOOR SCHEDULE REMARKS

- DOORS WITH REMARK #1 TO BE KEYPED THE SAME
 - EXIT INDICATOR ARRIVES WITH SIGN STATING THIS DOOR TO REMAIN UNLOCKED WHEN THE BUILDING IS OCCUPIED* SIGN TO BE PLACED IN A VISIBLE LOCATION ABOVE THE DOORS
 - THERE ARE TO BE NO EXTERIOR HOLES OR CYLINDERS
 - USE NON-SHRINK STRUCTURAL GROUT BED UNDER THRESHOLD
 - BLACK DOOR SWEEP TO BE USED WITH CHARCOAL OR DARK BRONZE STOREFRONT. LIGHT GRAY DOOR SWEEP TO BE USED WITH CLEAR ANODIZED ALUMINUM STOREFRONT
 - DOOR AND FRAME FINISHES FOR EXTERIOR DOOR APPLY ONLY TO THE INTERIOR SIDE OF EXTERIOR DOOR. RE: EXTERIOR ELEVATIONS FOR EXTERIOR FINISHES
- * IF STATUS IS "EXISTING" G.C. TO DETERMINE CONDITION OF EXISTING HARDWARE. IF HARDWARE IS IN POOR CONDITION, PROVIDE HARDWARE IN HARDWARE SCHEDULE. CONFIRM REPLACEMENT WITH CHIPOTLE CM.

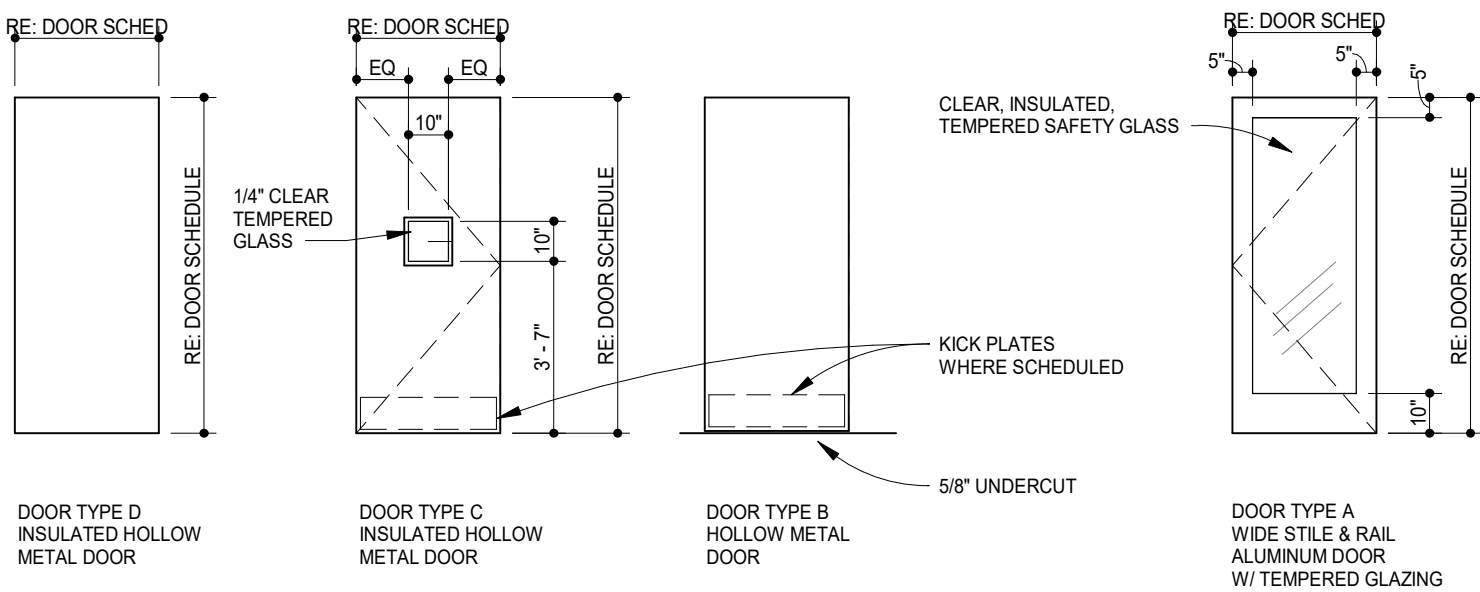
TYPICAL EXTERIOR DOOR TYPES



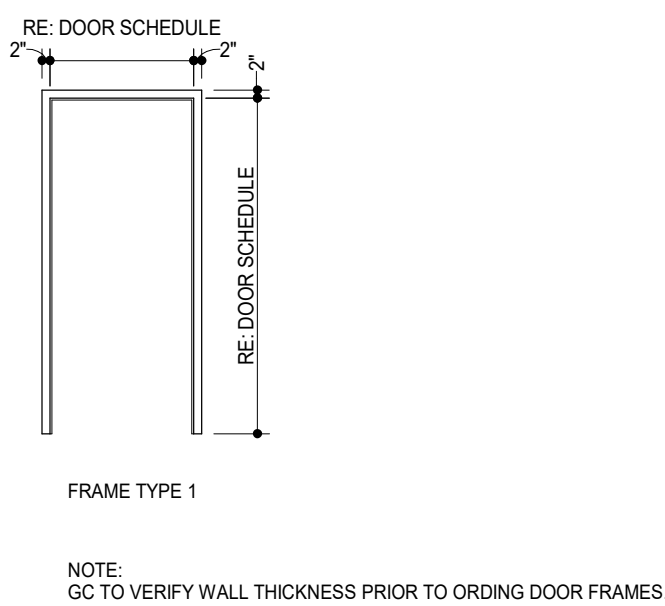
CUSTOM WOOD PULL



DOOR TYPES



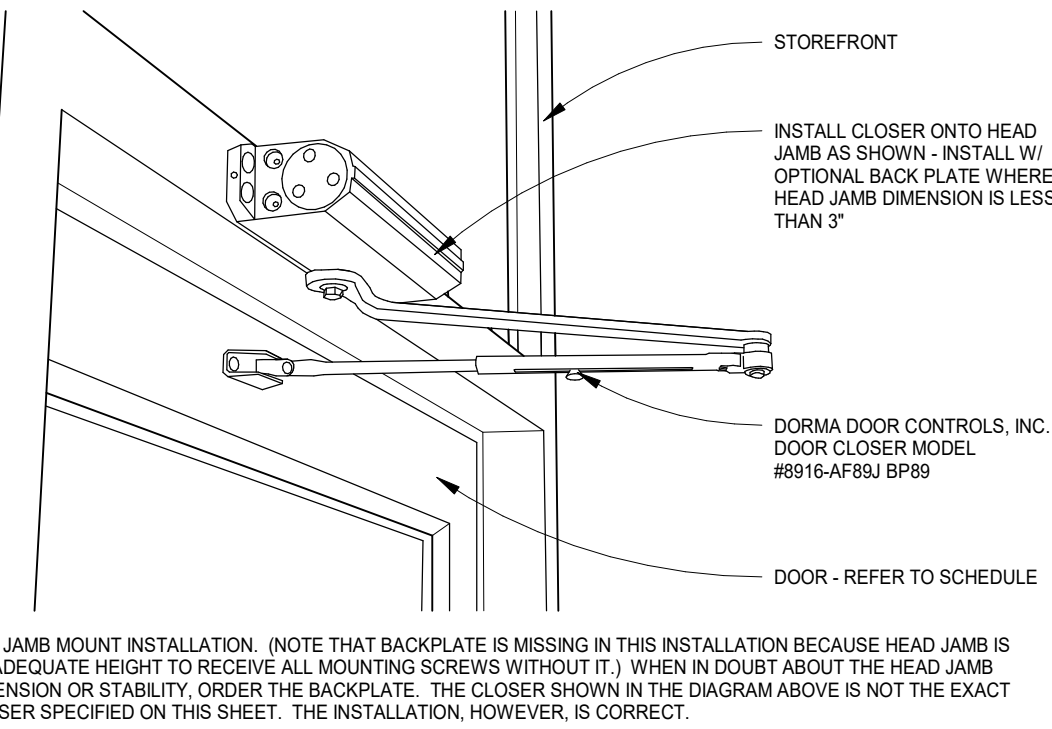
FRAME TYPES



DOOR NOTES

- ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- LATCHES, HANDLES, PANIC BARS AND ALL DOOR HARDWARE WILL COMPLY WITH SECTION 7.2 OF NFPA 101 PER THE SPECIFICATIONS.
- THE MANAGER HAS A KEY TO UNLOCK RESTROOM DOORS, FROM THE OUTSIDE IN THE CASE OF AN EMERGENCY.
- ALL DOORS ARE TO REMAIN UNLOCKED DURING BUSINESS HOURS.
- RE: THIS SHEET FOR EXTERIOR DOOR SIGNAGE INFORMATION.
- MAXIMUM EFFORT TO OPERATE EXTERIOR OR INTERIOR DOORS WITH CLOSERS SHALL NOT EXCEED 5 POUNDS. THIS MAY BE INCREASED TO 15 POUNDS FOR FIRE-RATED DOORS.
- ALL INTERIOR HOLLOW METAL DOORS, HOLLOW METAL DOOR FRAMES, AND DOOR HARDWARE (EXCEPT WOOD PULLS/PUSHES - PROVIDED BY TENANT MILLWORK SUPPLIER) ARE PROVIDED BY CHIPOTLE'S HARDWARE SUPPLIER AND INSTALLED BY TENANT G.C. CONTACT PETE KLIMEK WITH TWIN CITY HARDWARE AT 763-535-4660 TO ARRANGE DELIVERY.
- THE BOTTOM 10 INCHES OF ALL DOORS SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.
- ALL SUPPORT SIGNAGE PROVIDED BY TENANT'S SUPPORT SIGNAGE SUPPLIER AND INSTALLED BY G.C.
- ALL GLAZING IN DOORS SHALL BE CLEAR, TEMPERED SAFETY GLAZING.

DOOR CLOSER



DUNGAN
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Project No.
01768

Door & Hardware
Schedule

A601



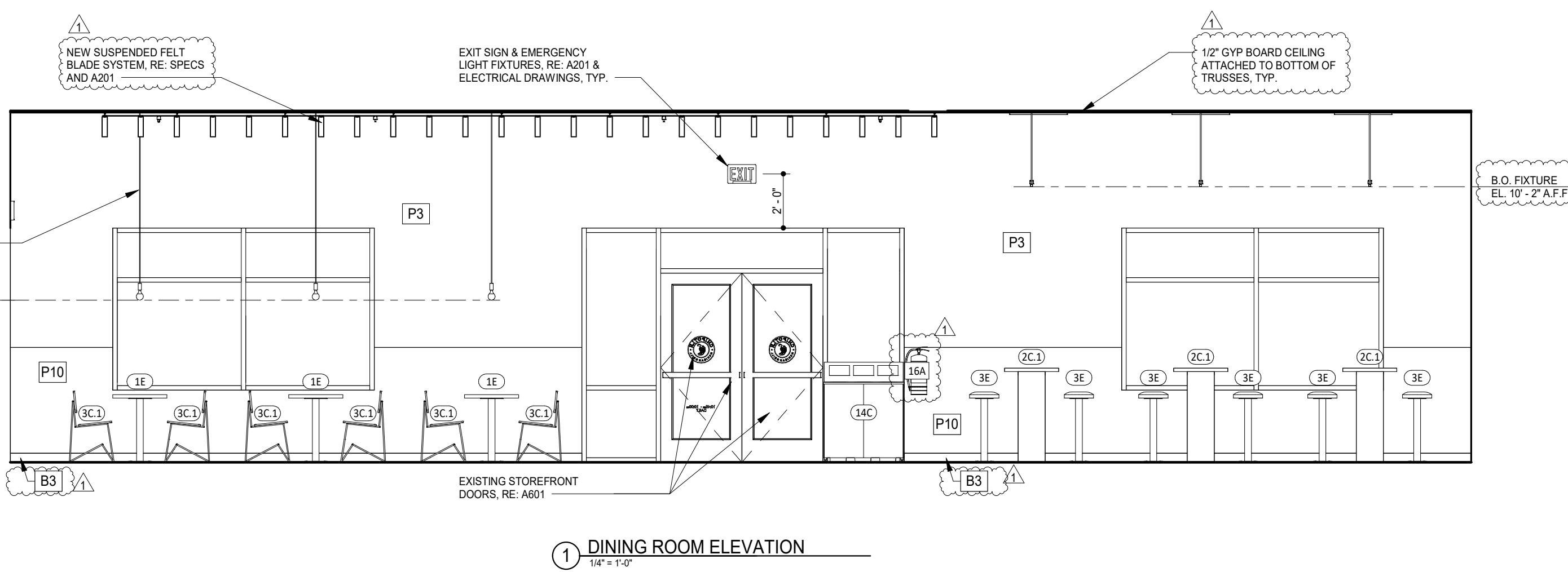
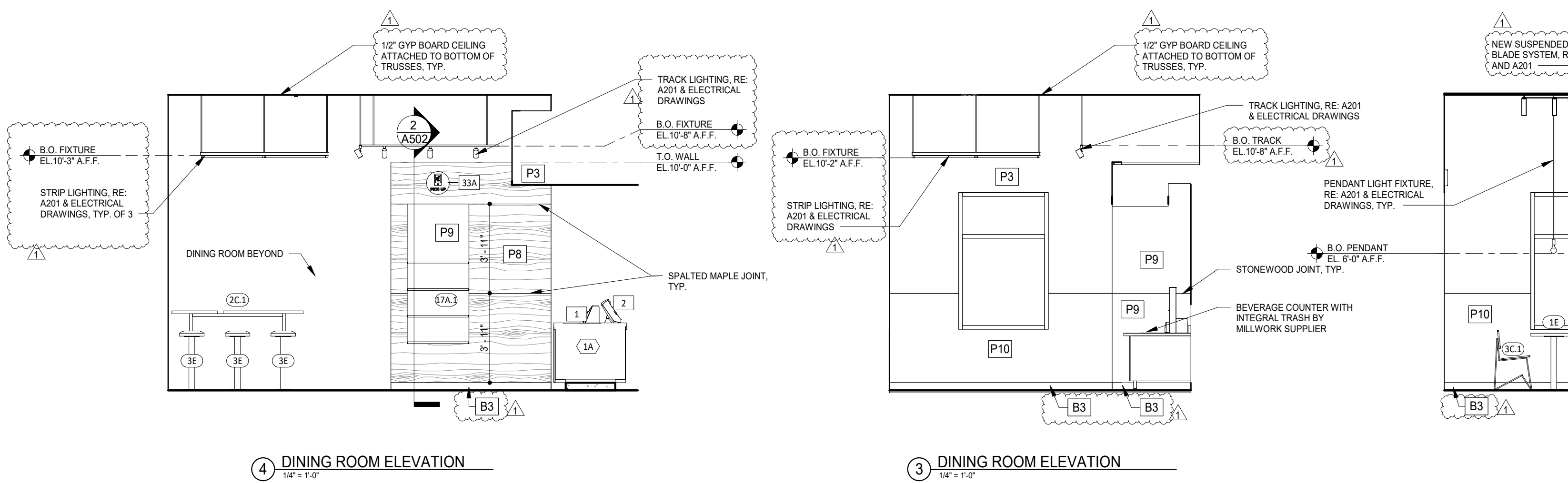
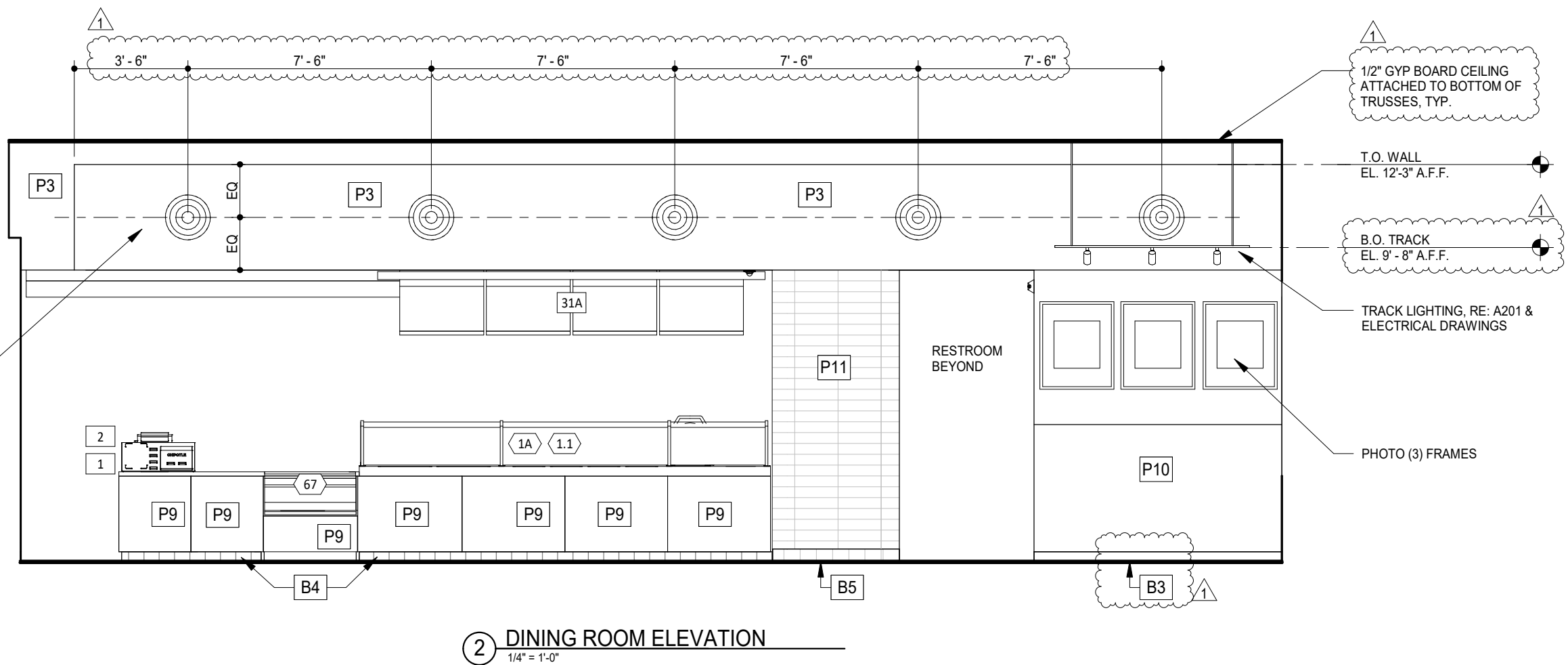
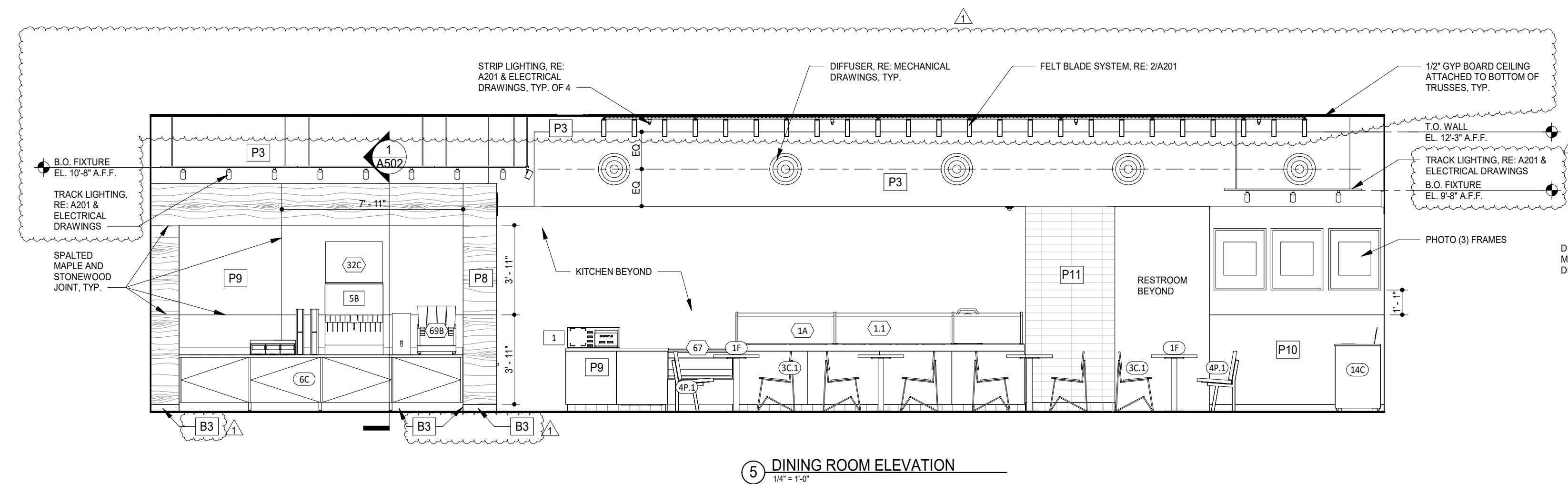
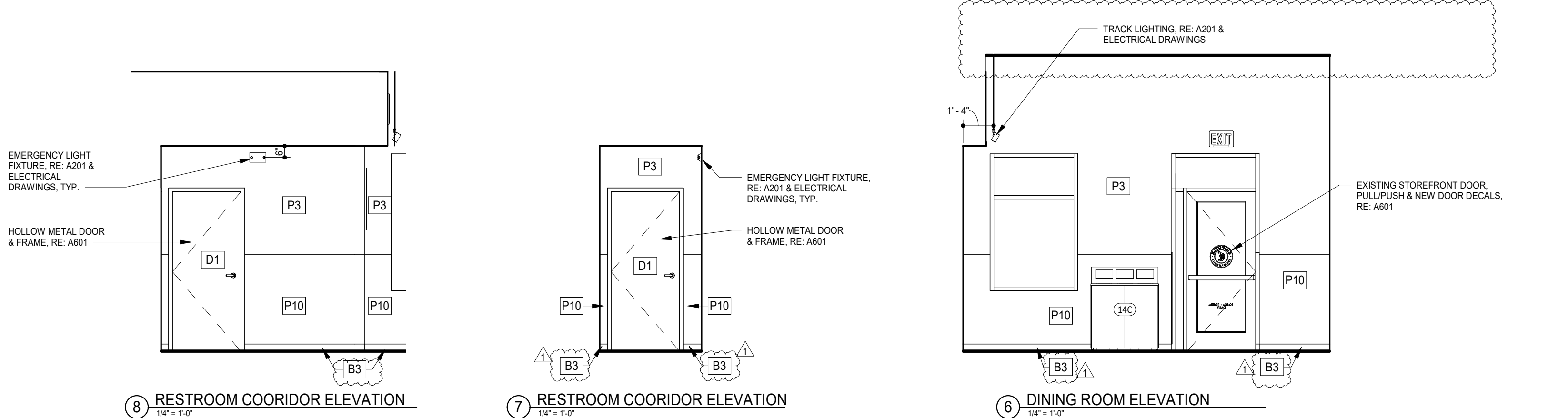
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09/06/24	CB 01

Project No.	01768
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FINISH LEGEND

WALL BASE FINISHES		WALL FINISHES		DOOR FINISHES	
B1	NOT USED	P1	PLYWOOD BETWEEN TRUSSES, VERTICAL GRAIN, RE: 5A502	D1	PAINT "BLACK"
B2	QUARRY TILE WITH COVE, RE: 4/7A802 & 19A802	P2	FIBERGLASS REINFORCED PANELS TO 4'-0" AFF (SMOOTH FINISH)	D2	PAINT "KNIGHT'S ARMOR"
B3	4" BLACK RUBBER BASE WITH COVE, RE: 3, 4, 5 & 10A801	P3	GYPSUM BOARD, PAINT "THIN ICE", EGGSHELL, REFER TO 701 AND A710		
B4	QUARRY TILE - NO COVE, RE: 2/A802	P4	GYPSUM BOARD, PAINT "THIN ICE", SEMI-GLOSS FINISH BELOW 4'-3" A.F.F.		
B5	CERAMIC TILE BASE, RE: 3/A802	P5	CERAMIC TILE - WHITE, RE: A802		
B6	6" CERAMIC BASE W/COVE, DAL TILE VL701224P6, P302 (X12), VL70 AMPLIFY BLACK	P6	FIBERGLASS REINFORCED PANELS (PEBBLED FINISH)		
		P7	EXPOSED COOLER WALL, (EMBOSSED COATED STEEL)		
		P8	SPALTED MAPLE PANEL, HORIZONTAL GRAIN		
		P9	STONEWOOD PANEL, RE: 5A801		
		P10	STONEWOOD WANSCOT, RE: 2.3, 168 19/A801		
		P11	CERAMIC TILE - ACCENT - BRONZE 3" X 12", RE: A802		
		P12	NOT USED		
		P13	ALUMINUM STOREFRONT, EXISTING		
			DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.		





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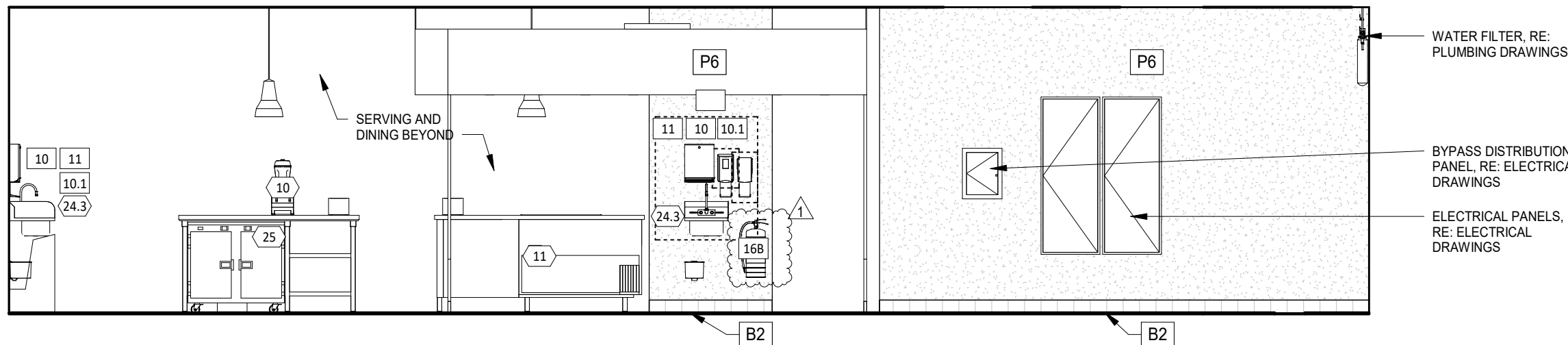
Project No.
01768

Elevations - Interior
Kitchen

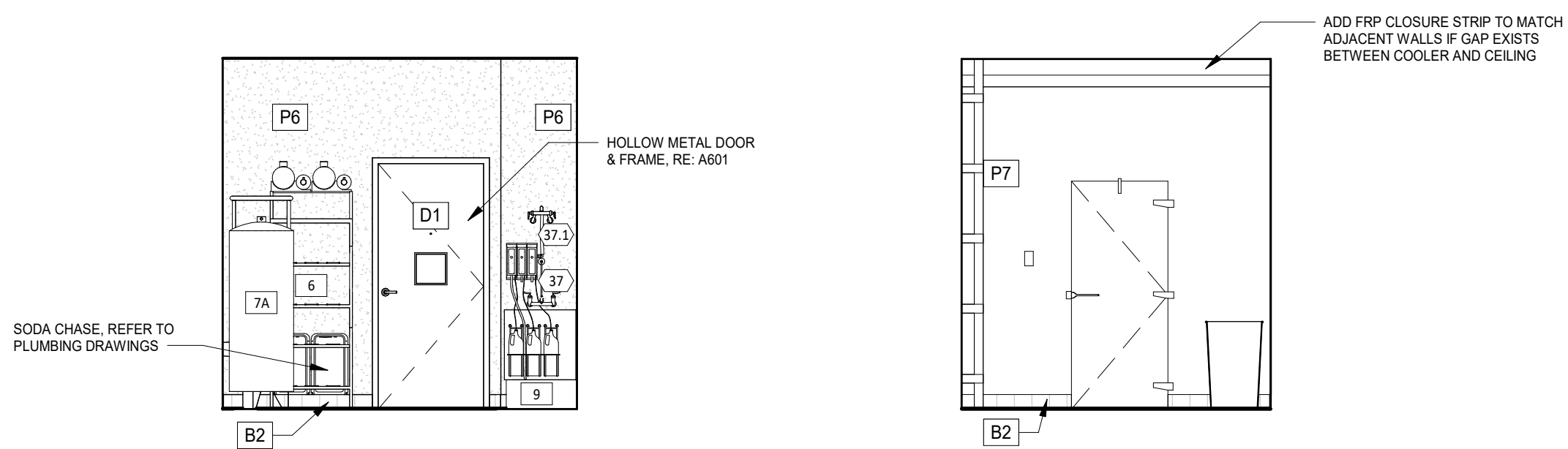
A702

FINISH LEGEND

WALL BASE FINISHES		WALL FINISHES		DOOR FINISHES	
B1	NOT USED	P1	PLYWOOD BETWEEN TRUSSES, VERTICAL GRAIN, RE: 5/A502	D1	PAINT "BLACK"
B2	QUARRY TILE WITH COVE, RE: 4-7/A502 & 19/A502	P2	FIBERGLASS REINFORCED PANELS TO 4'-0" AFF (SMOOTH FINISH)	D2	PAINT "KNIGHTS' ARMOR"
B3	4" BLACK RUBBER BASE WITH COVE, RE: 3, 4, 5 & 18/A501	P3	GYPSON BOARD, PAINT "THIN ICE", EGGSHELL, REFER TO 701 AND A710		
B4	QUARRY TILE - NO COVE, RE: 2/A502	P4	GYPSON BOARD, PAINT "THIN ICE", SEMI-GLOSS FINISH BELOW 4'-3" A.F.F.		
B5	CERAMIC TILE BASE, RE: 3/A502	P5	CERAMIC TILE - WHITE, RE: A502		
B6	6" CERAMIC BASE W/COVE, DALL TILE VL7012241P6, P36C9 (6X12), VL70 AMPLYFY BLACK	P6	FIBERGLASS REINFORCED PANELS (PEBBLED FINISH)		
		P7	EXPOSED COOLER WALL (EMBOSSED COATED STEEL)		
		P8	SPALTED MAPLE PANEL, HORIZONTAL GRAIN		
		P9	STONEWOOD PANEL, RE: 5/A501		
		P10	STONEWOOD WAINSCOT, RE: 2.3, 168/19/A501		
		P11	CERAMIC TILE - ACCENT - BRONZE 3" X 12", RE: A502		
		P12	NOT USED		
		P13	ALUMINUM STOREFRONT, EXISTING		
		DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.			

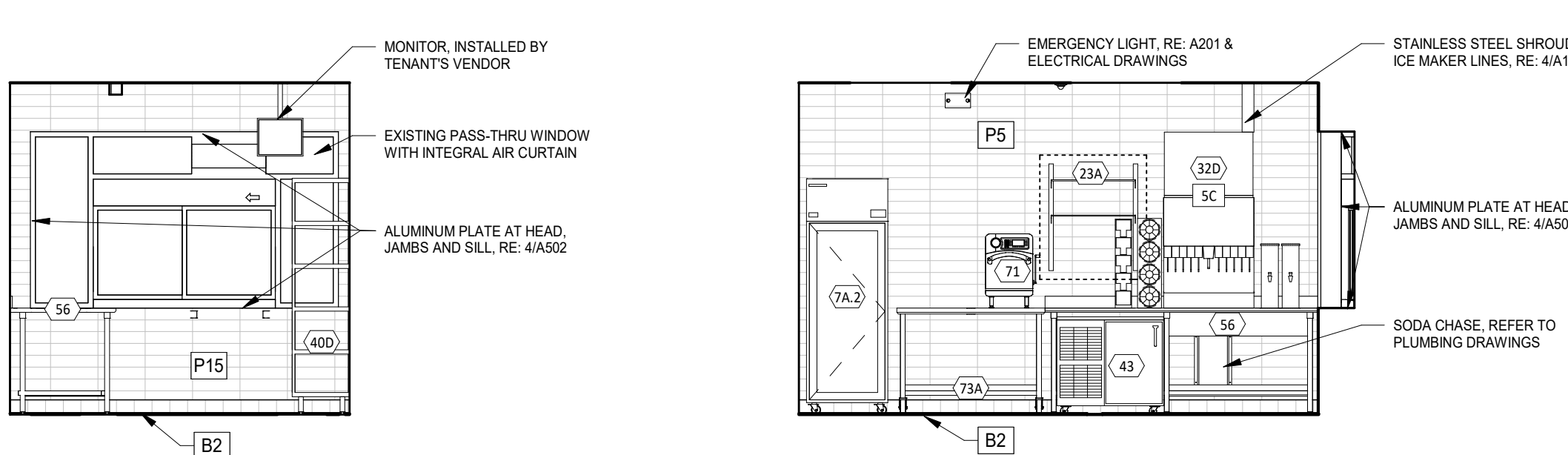


10 KITCHEN ELEVATION
1/4" = 1'-0"



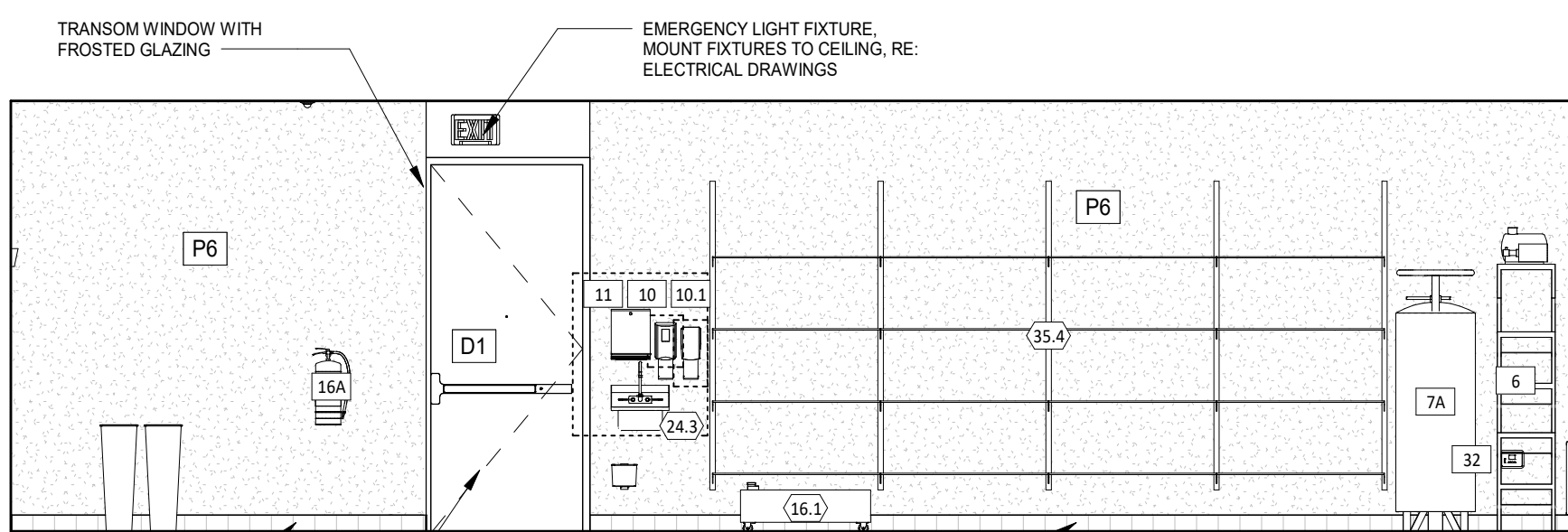
16 KITCHEN ELEVATION
1/4" = 1'-0"

15 KITCHEN ELEVATION
1/4" = 1'-0"

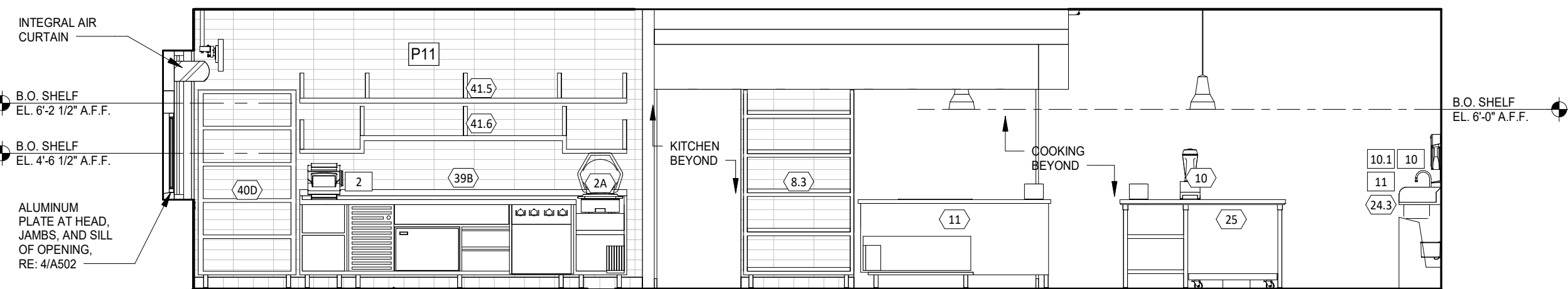


9 KITCHEN ELEVATION
1/4" = 1'-0"

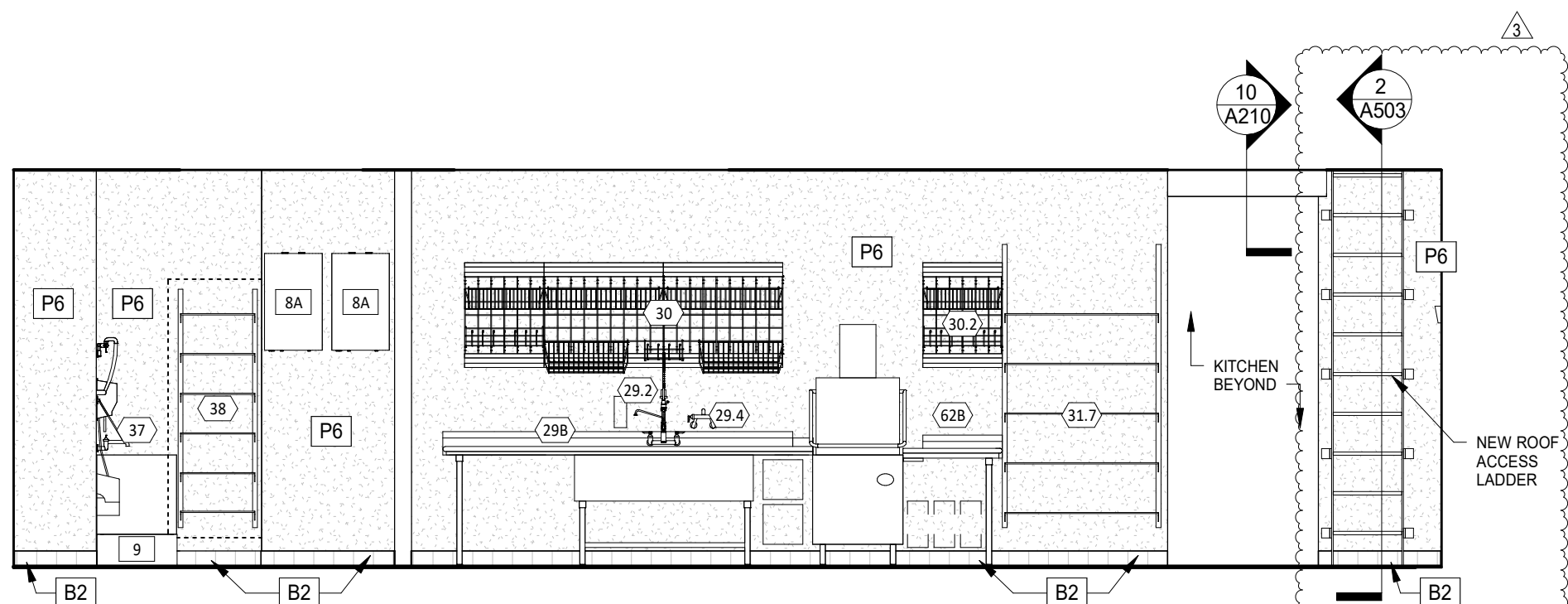
8 KITCHEN ELEVATION
1/4" = 1'-0"



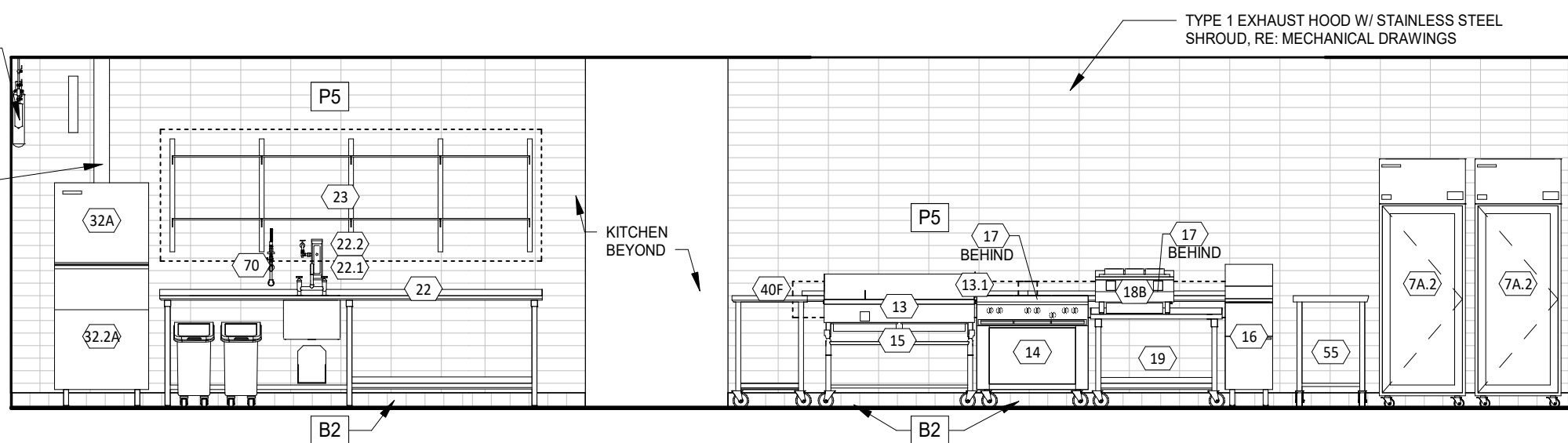
14 KITCHEN ELEVATION
1/4" = 1'-0"



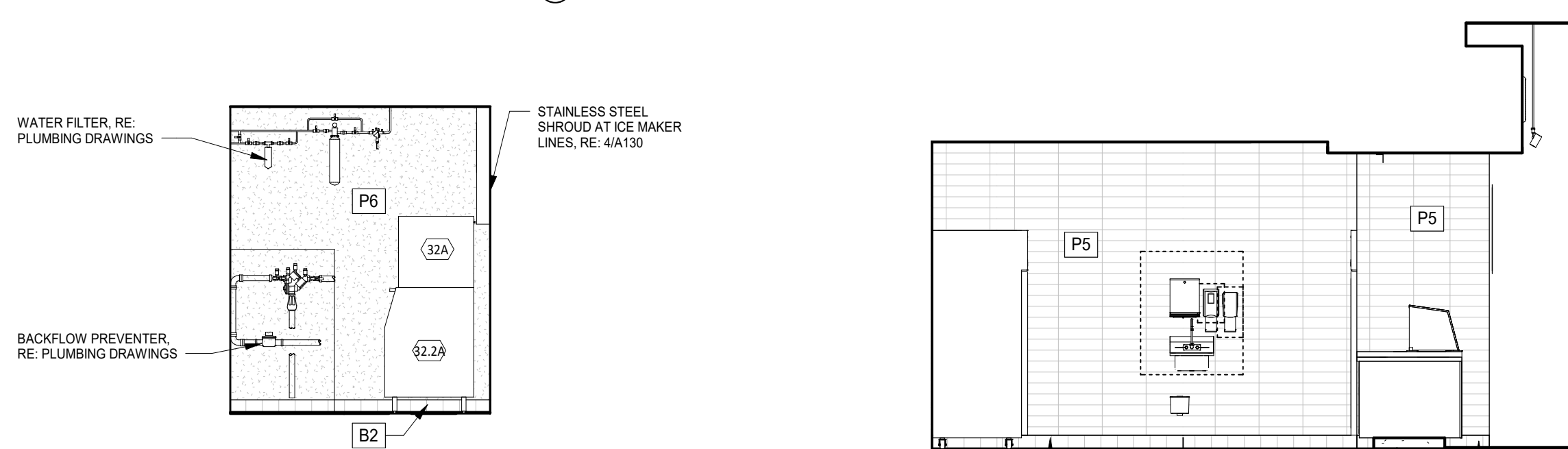
6 KITCHEN ELEVATION
1/4" = 1'-0"



13 KITCHEN ELEVATION
1/4" = 1'-0"

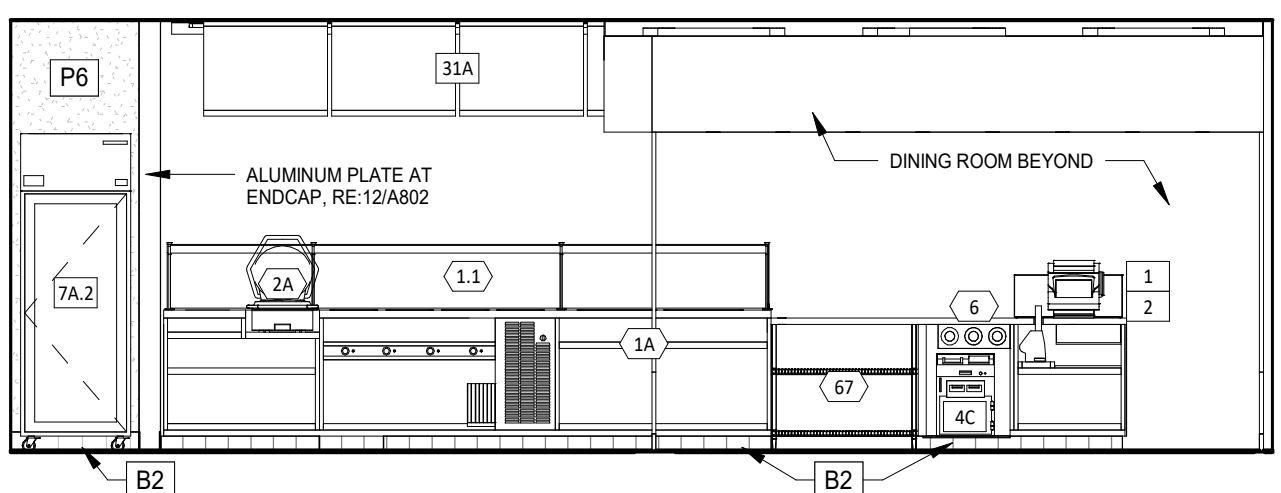


5 KITCHEN ELEVATION
1/4" = 1'-0"

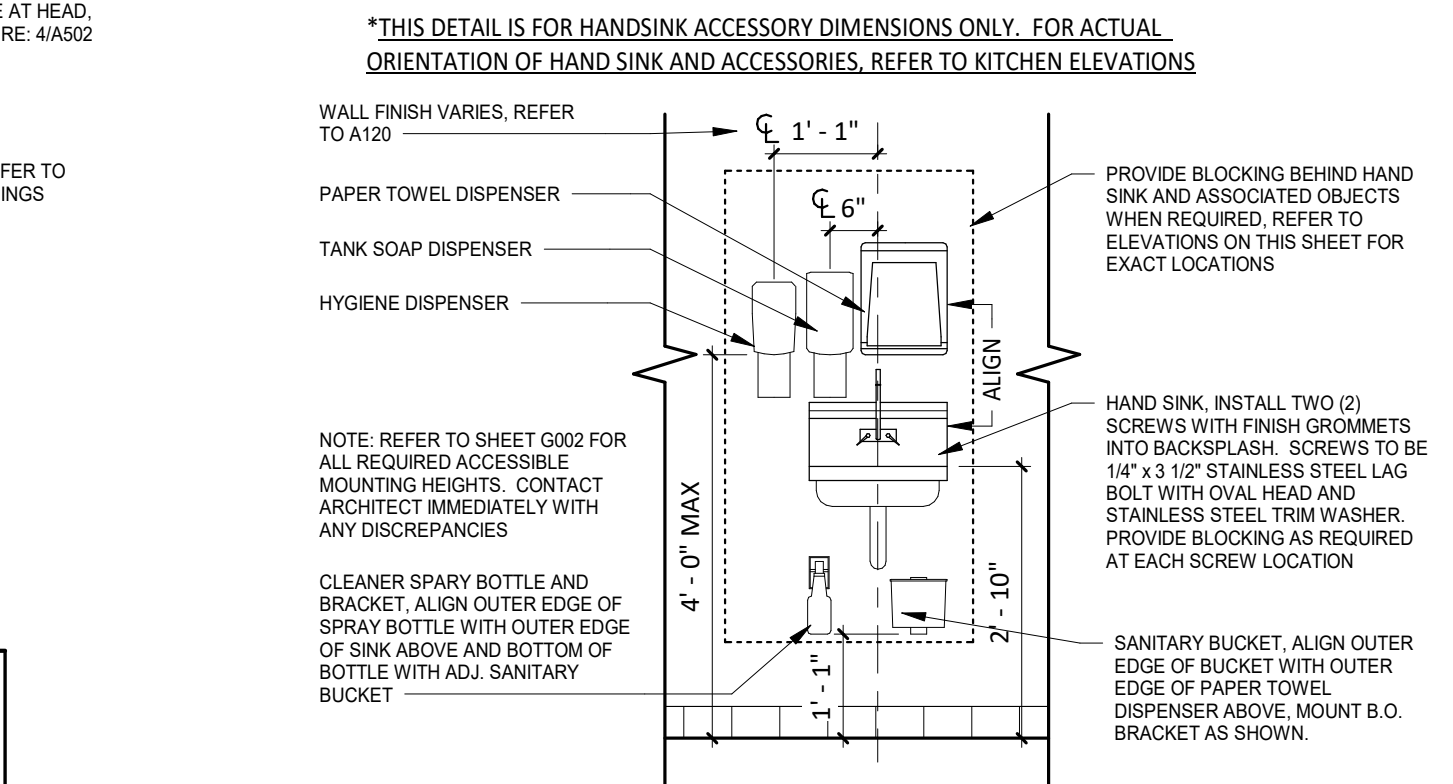


12 KITCHEN ELEVATION
1/4" = 1'-0"

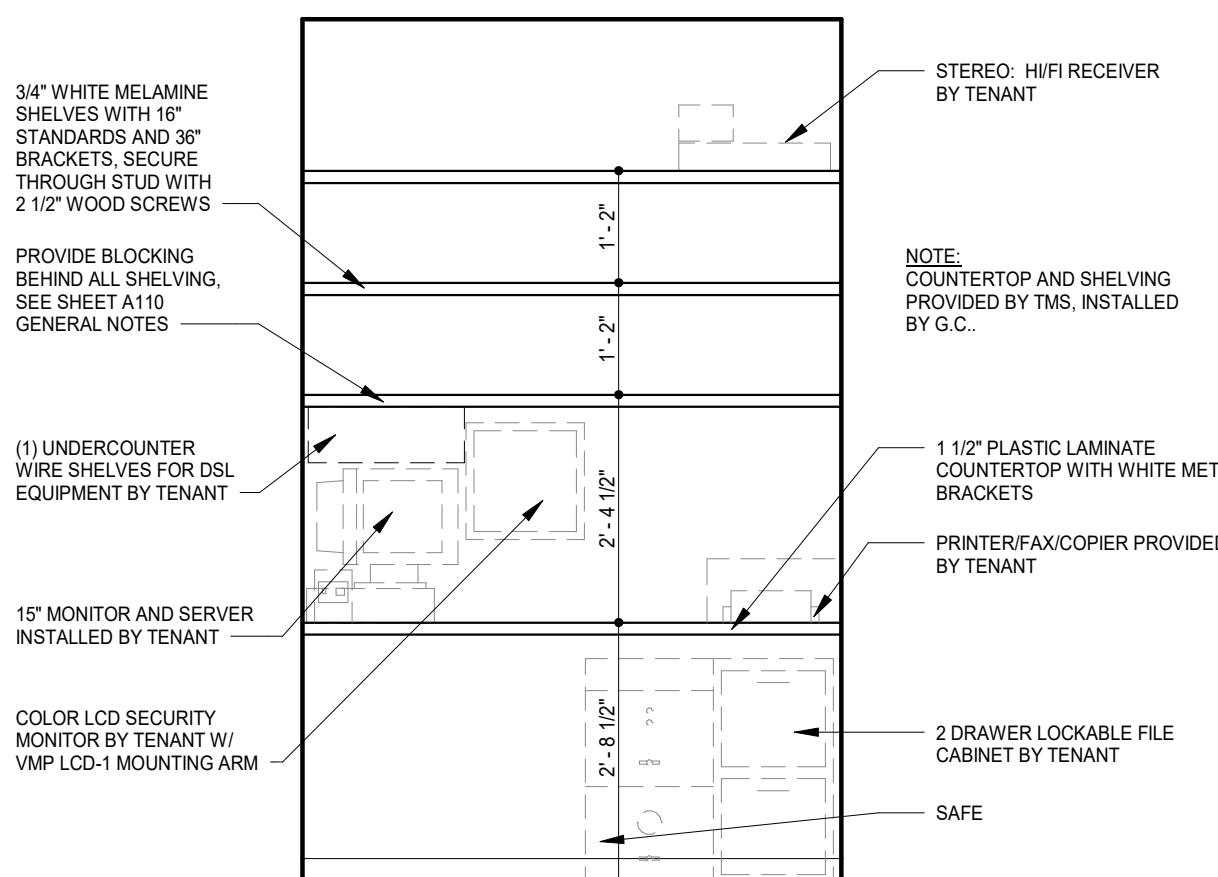
7 KITCHEN ELEVATION
1/4" = 1'-0"



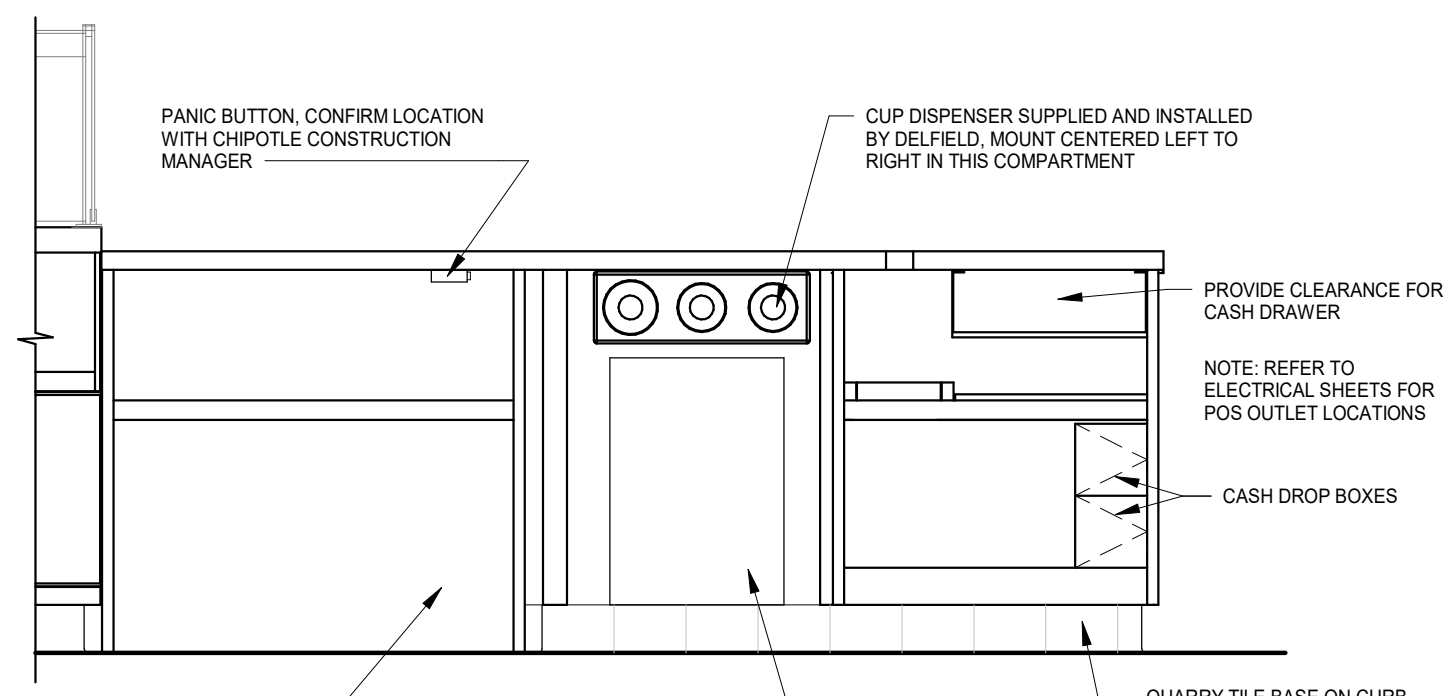
4 KITCHEN ELEVATION
1/4" = 1'-0"



3 TYP ELEVATION @ HAND SINK
1/2" = 1'-0"



2 TYP ELEVATION @ OFFICE SHELVING
1/2" = 1'-0"



1 TYP. ELEV - POS
3/4" = 1'-0"

RESTROOM ACCESSORY SCHEDULE

ITEM #	DESCRIPTION	MFGR	MODEL	QTY	PROVIDED BY	INSTALLED BY	UTILITY				MOUNTING HEIGHT	REMARKS
							ELEC	GAS	WATER	SEWER		
1A	Grab Bar - 36in	ASI	3501-36	2	WA	GC					36" AFF to Top of Grasping Surface	Provide Plywood Blocking to Mount to Wall
1C	Grab Bar - 18in	ASI	3501-18	2	WA	GC					40" AFF to Centerline of Bottom Return	Provide Plywood Blocking to Mount to Wall
1D	Grab Bar - 48in	ASI	3501-48	2	WA	GC					36" AFF to Top of Grasping Surface	Provide Plywood Blocking to Mount to Wall
3	Mirror	ASI	0600B 18x36	2	WA	GC					Bottom Edge of Reflecting Surface at 40" AFF	Provide Plywood Blocking to Mount to Wall
5	Touch-Free Soap Dispenser	Purell	CS8	2	WA	GC					47 1/2" AFF to Top of Unit	Recess Mounted in Wall - Rough Opening: 6 1/4"W x 12 1/4"H x 3 3/8"D, Top Of Rough Opening @ 29 1/4" AFF
7	Recessed Toilet Paper Dispenser	ASI	OC31	2	WA	GC					29" AFF to Top of Unit	
9	Recessed Convertible Paper Towel Dispenser and Waste Receptacle, Recess Mounted in Wall	Bobrick	B-3944	2	WA	GC					Bottom of Unit at Top of Floor Base, Bottom of Dispenser to be at 40" AFF, Recess Mounting In Wall	Rough Opening: 16"W x 54 3/4"H x 4" D, Provide Plywood Blocking to Mount to Wall
12	Napkin Disposal - Recessed	ASI	O473	2	WA	GC					Top of Rough Opening @ 29" AFF	Recess Mounted in Wall - Rough Opening: 11 1/4"W x 15 3/4"H x 4"D
14	Restroom Hand Sink	Kohler	K-2084	2	GC	GC					Mount Bottom of Front Edge Of The Sink At Exactly 29" AFF	To Be Furnished With .5 GPM Aerator Installed. Thermostatic mixing valve is also included.
14.1	Restroom Hand Sink Faucet	T&S	EC-3102-TMV-LF-05	2	KES	GC						
15	Hand Sanitizer Dispenser	Purell	ES8	2	WA	GC					Align T.O. Unit With T.O. Soap Dispenser	GC to Provide adequate blocking to support the baby changing equipment. Blocking shall be installed in such a manner to not damage or compromise the rated assembly of the existing wall construction
16A	Surface Mounted Horizontal Baby Changing Station	Koala Care	KB300-05	2	WA	GC					Mount Bottom of Open Changing Bed at Exactly 27" AFF	

FINISH LEGEND

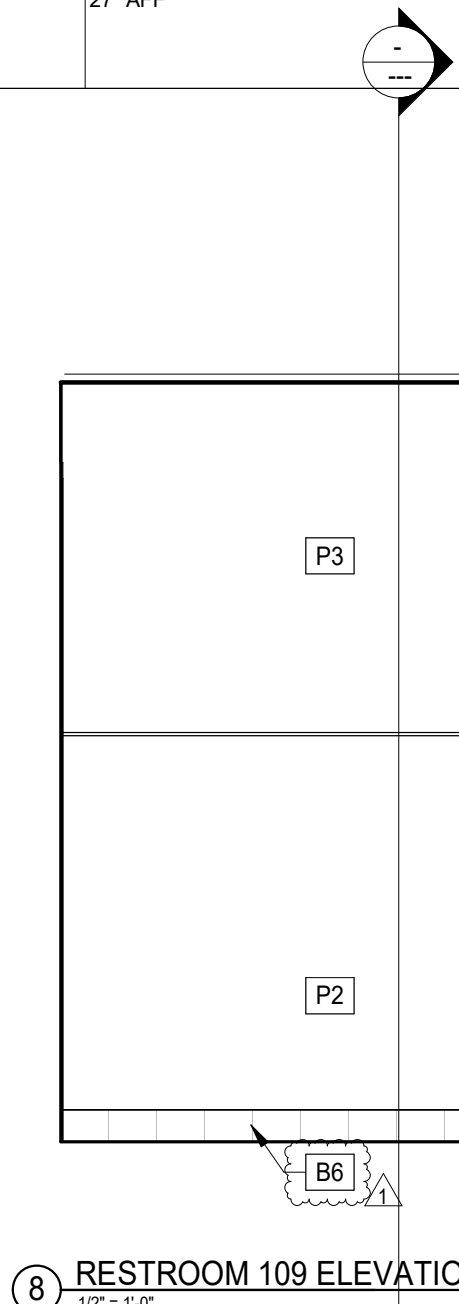
WALL BASE FINISHES		WALL FINISHES		DOOR FINISHES	
B1	NOT USED	P1	PLYWOOD BETWEEN TRUSSES, VERTICAL GRAIN, RE: 5/A502	D1	PAINT "BLACK"
B2	QUARRY TILE WITH COVE, RE: 4/7A802 & 19/A802	P2	FIBERGLASS REINFORCED PANELS TO 4'-0" AFF (SMOOTH FINISH)	D2	PAINT "KNIGHTS ARMOR"
B3	4" BLACK RUBBER BASE WITH COVE, RE: 3, 4, 5 & 19/A801	P3	GYPSON BOARD, PAINT "THIN ICE", EGGSHELL, REFER TO 701 AND A710		
B4	QUARRY TILE - NO COVE, RE: 2/A802	P4	GYPSON BOARD, PAINT "THIN ICE", SEMI-GLOSS FINISH BELOW 4'-3" A.F.F.		
B5	CERAMIC TILE BASE, RE: 3/A802	P5	CERAMIC TILE - WHITE, RE: A802		
B6	6" CERAMIC BASE W/COVE, D/L TILE VL7012241P6, P/WC3 (BX12), V/L TO AMPHURY BLACK	P6	FIBERGLASS REINFORCED PANELS (PEBBLED FINISH)		
		P7	EXPOSED COOLER WALL (EMBOSSSED COATED STEEL)		
		P8	SPALTED MAPLE PANEL, HORIZONTAL GRAIN		
		P9	STONEWOOD PANEL, RE: 5/A801		
		P10	STONEWOOD WAINSCOT, RE: 2.3,16&19/A801		
		P11	CERAMIC TILE - ACCENT - BRONZE 3" X 12", RE: A802		
		P12	NOT USED		
		P13	ALUMINUM STOREFRONT, EXISTING		

GENERAL NOTES

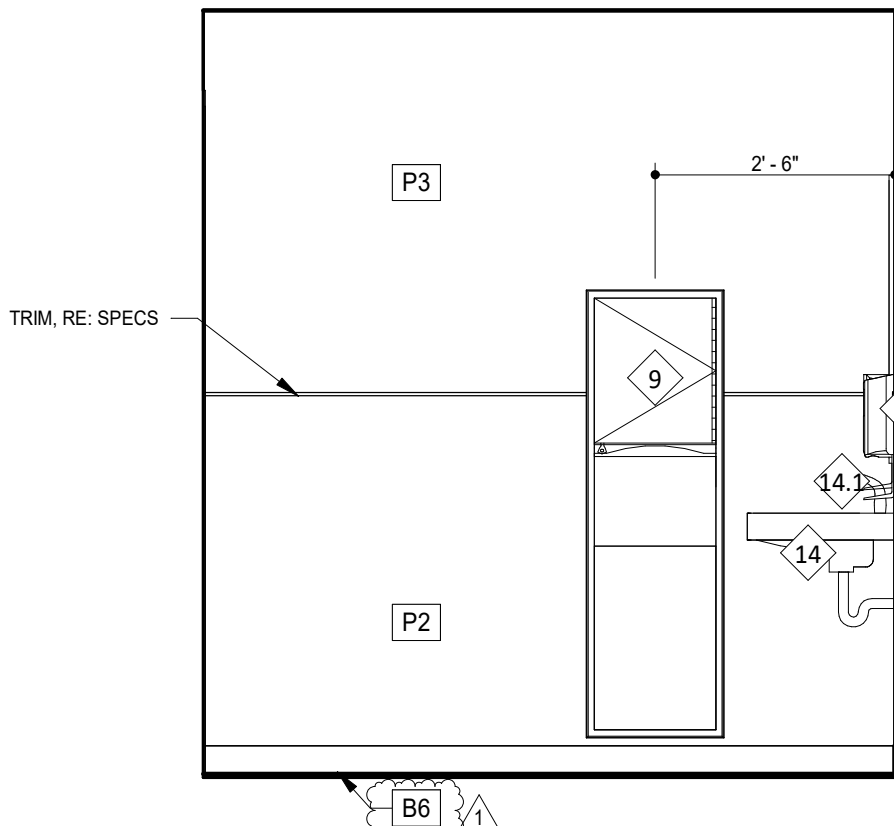
- ALL DIMENSIONS ARE TO FINISHED FACE OF WALL, CENTER OF FIXTURE, OR EDGE OF FIXTURE, U.N.O.
- ALL ACCESSORIES SHALL BE BY MANUFACTURER NOTED IN RESTROOM ACCESSORY SCHEDULE OR TENANT APPROVED EQUAL
- PROVIDE SOLID WOOD BLOCKING AS NECESSARY FOR INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS

ELEVATION LEGEND

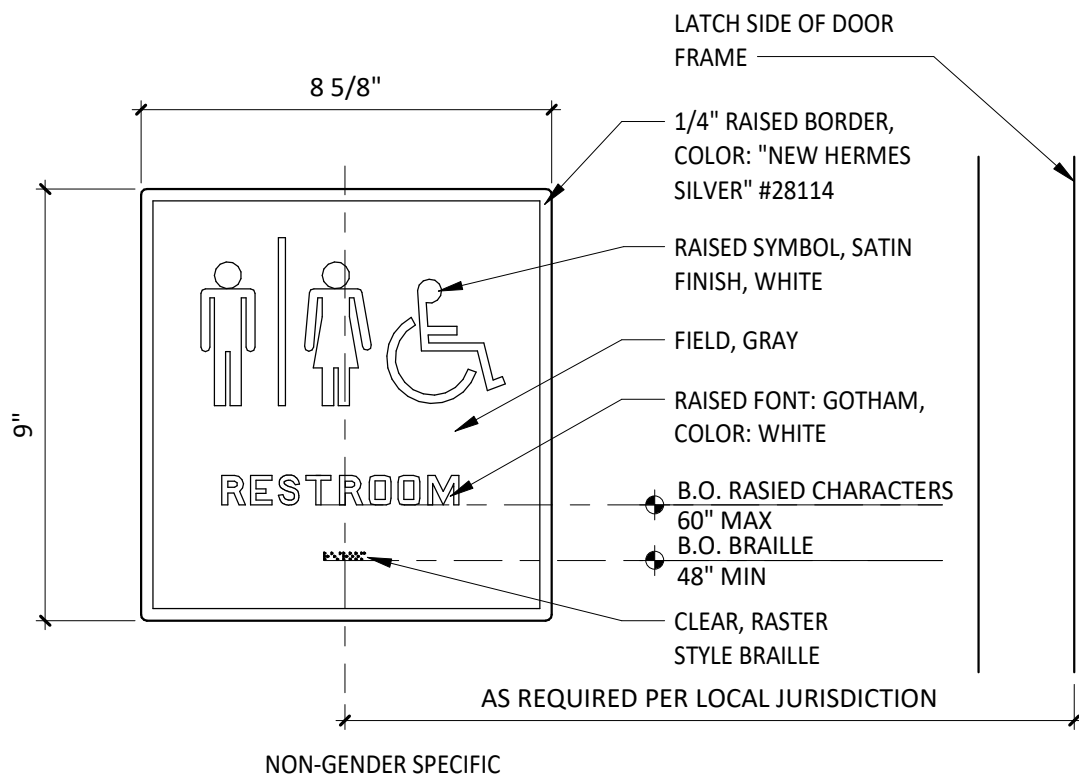
--- DENOTES WOOD BLOCKING IN WALL BEHIND WALL MOUNTED OBJECT U.N.O.



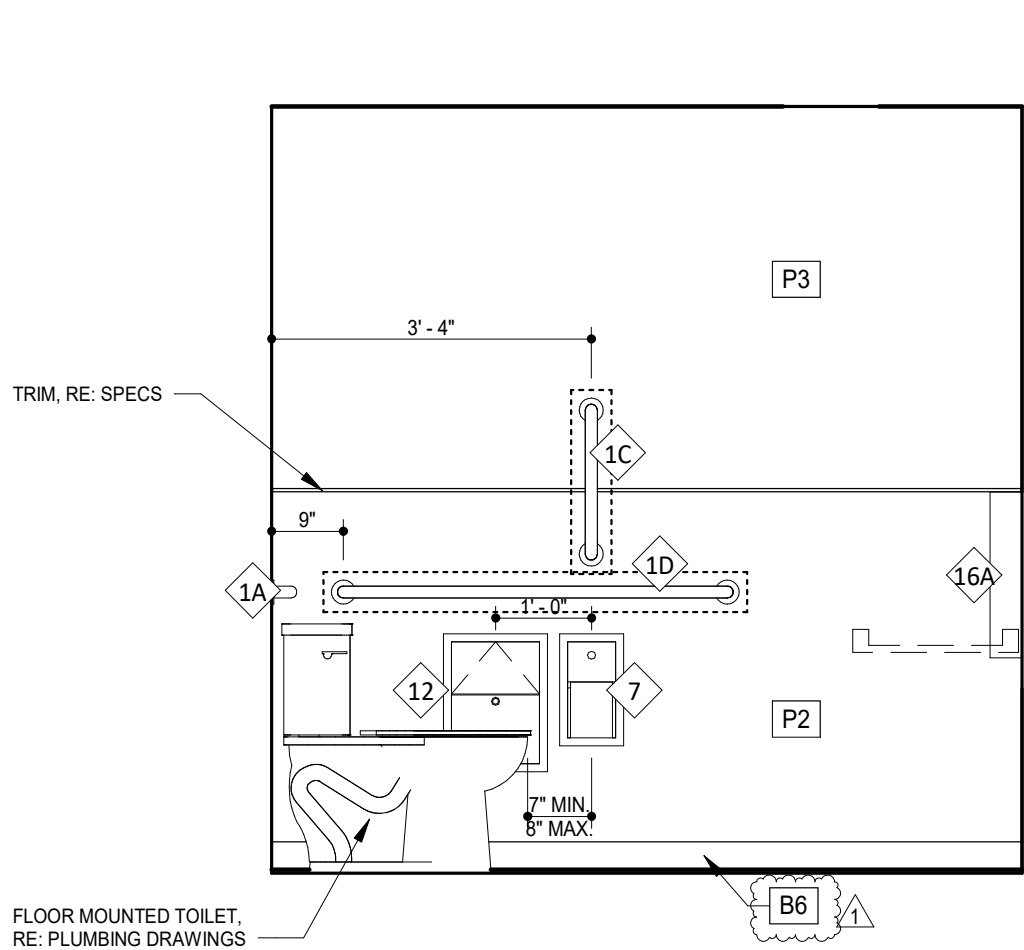
8 RESTROOM 109 ELEVATION
1/2" = 1'-0"



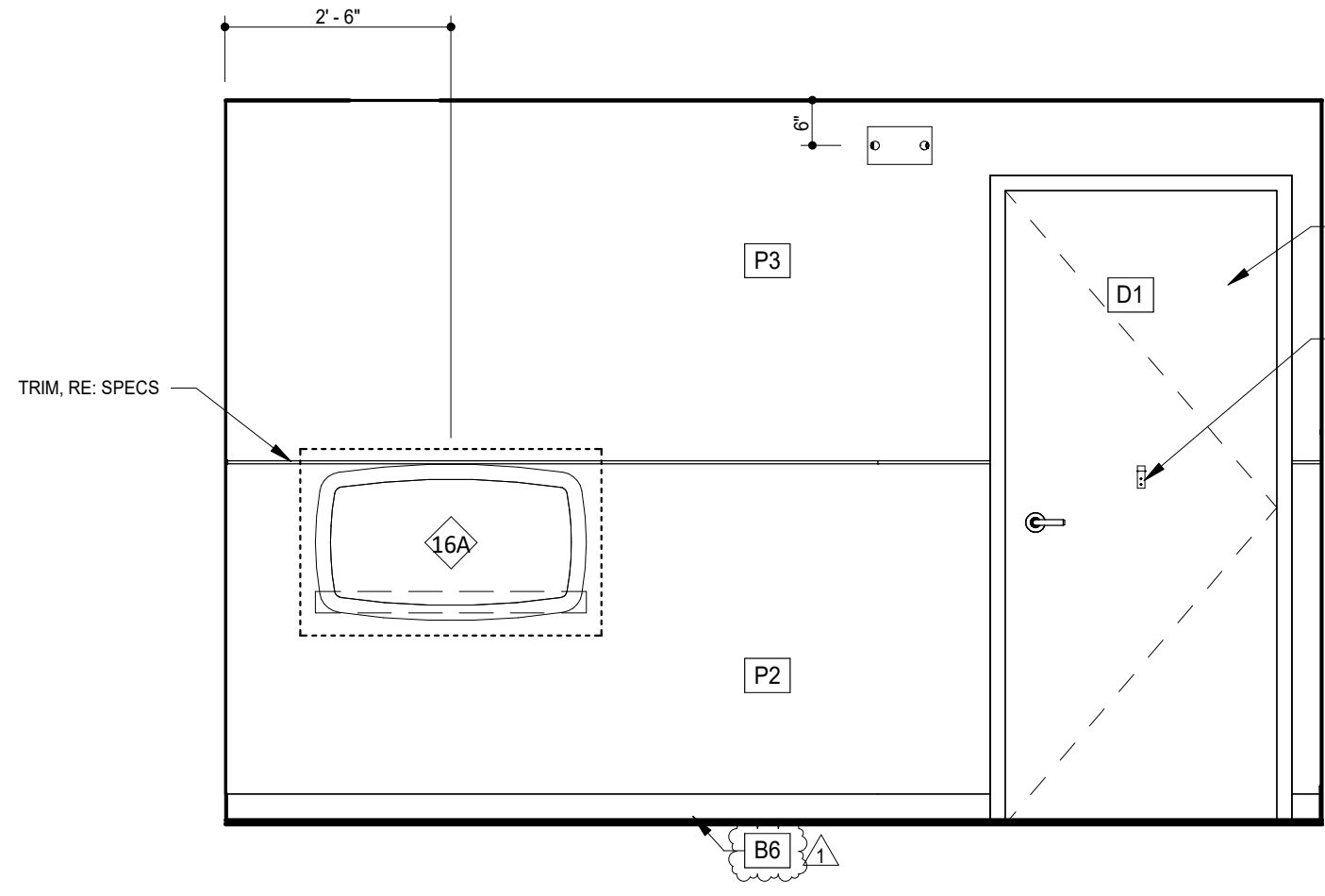
5 RESTROOM 108 ELEVATION
1/2" = 1'-0"



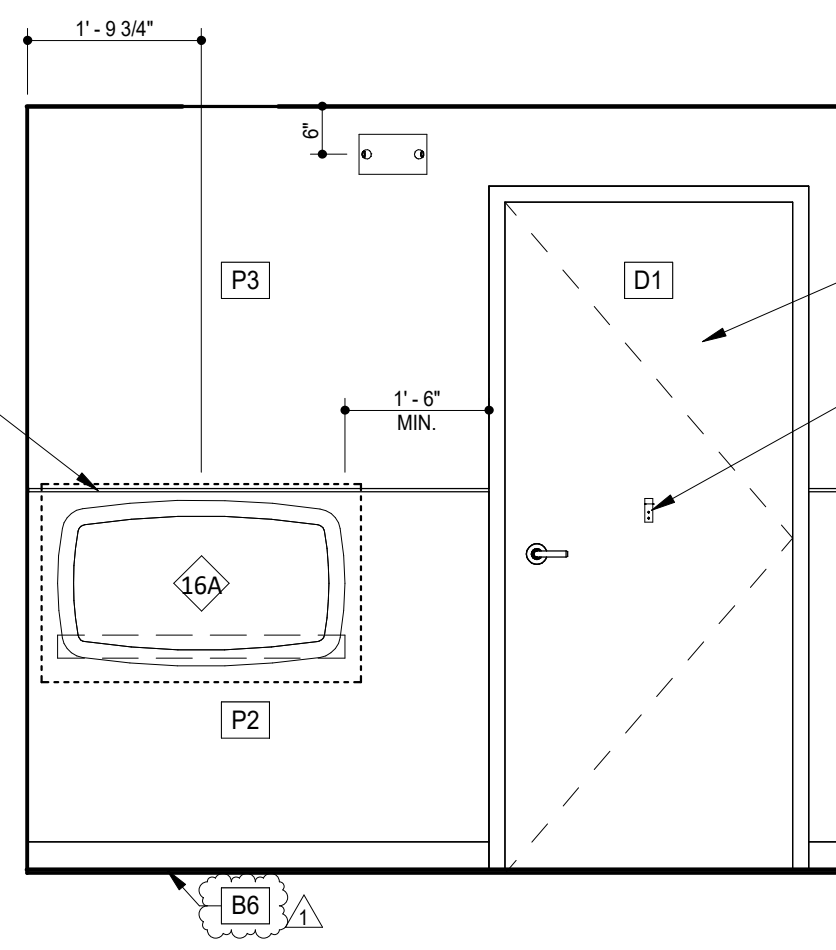
2 TYPICAL WASHROOM SIGNAGE
3" = 1'-0"



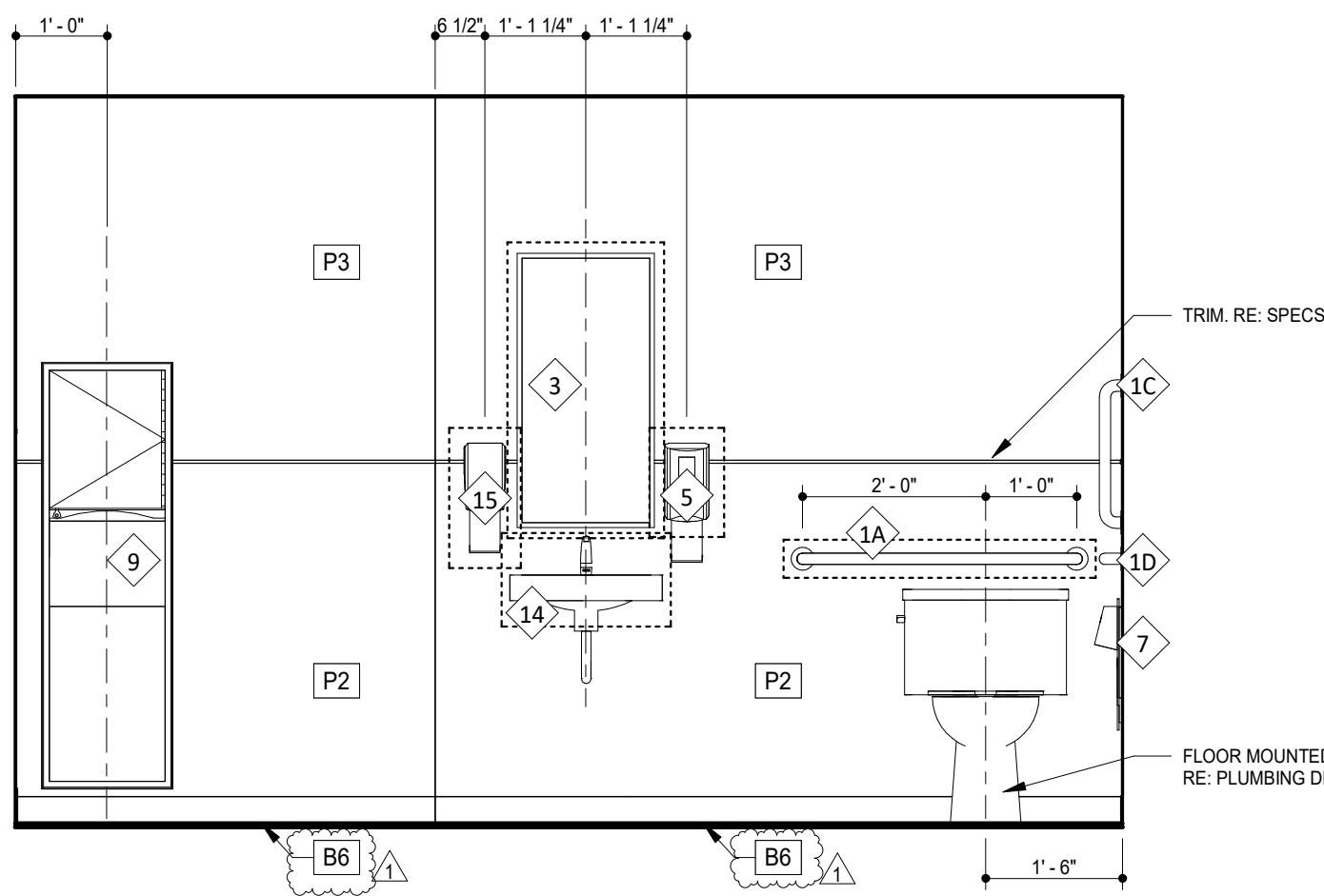
10 RESTROOM 109 ELEVATION
1/2" = 1'-0"



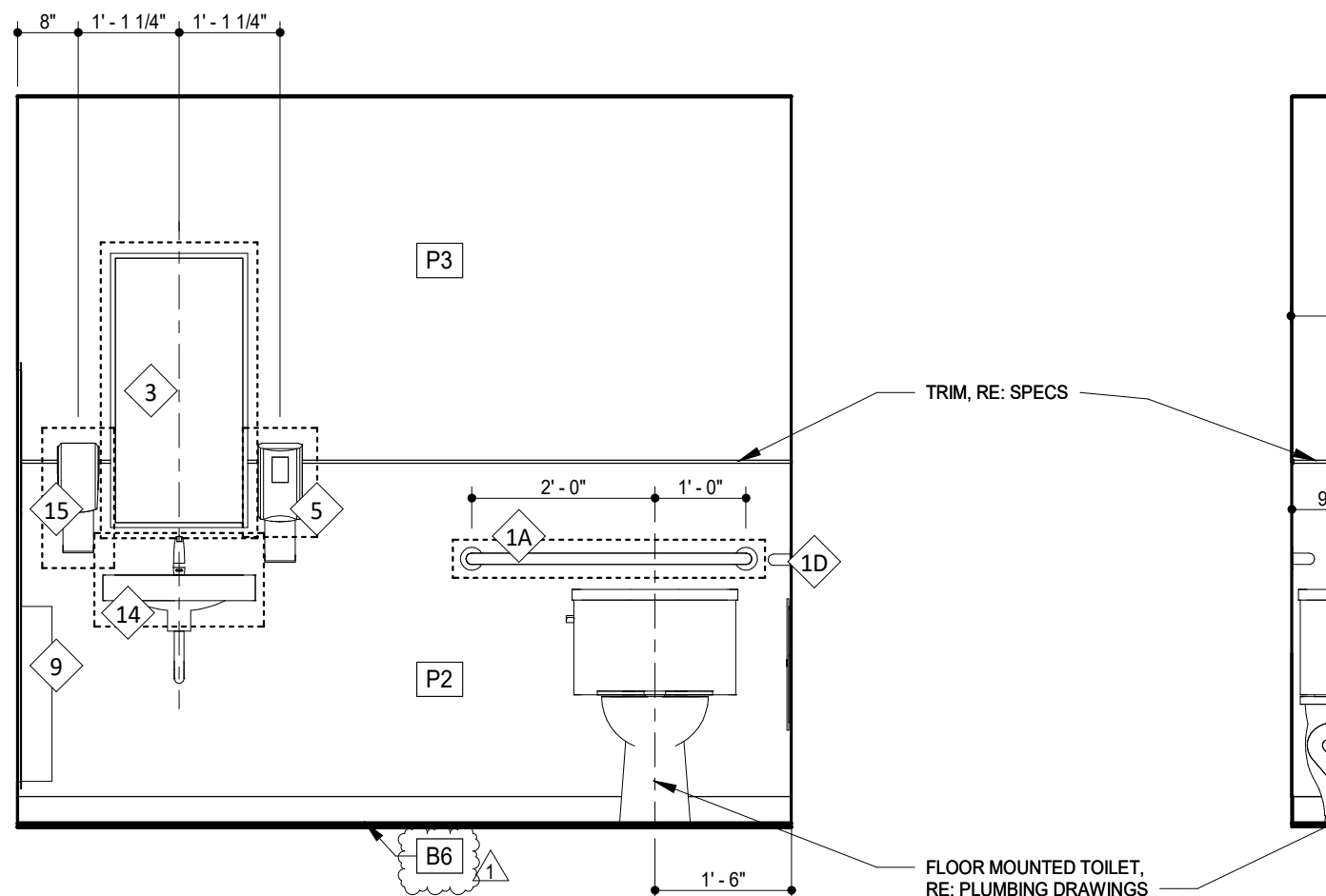
7 RESTROOM 109 ELEVATION
1/2" = 1'-0"



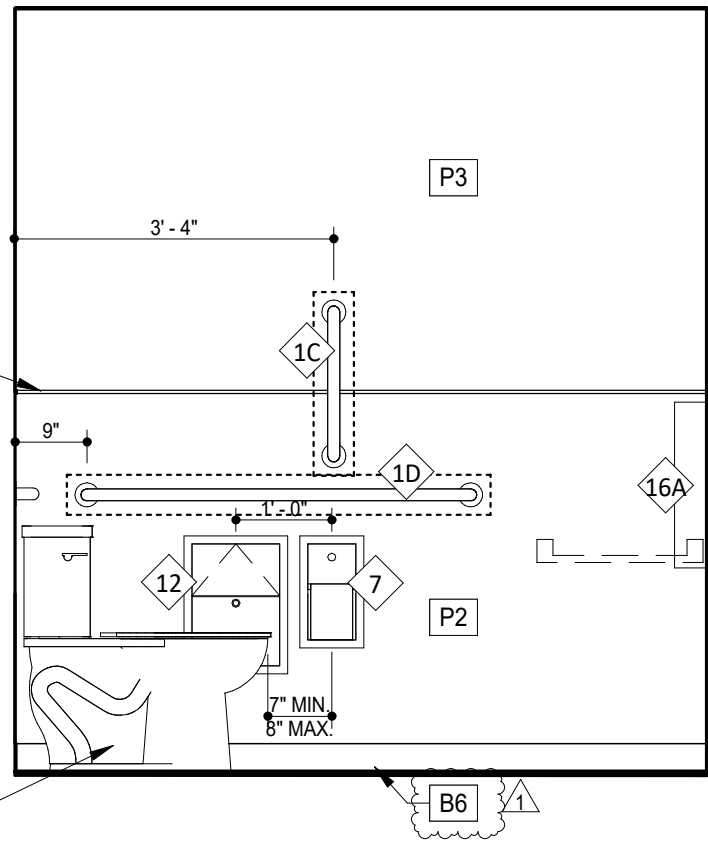
4 RESTROOM 108 ELEVATION
1/2" = 1'-0"



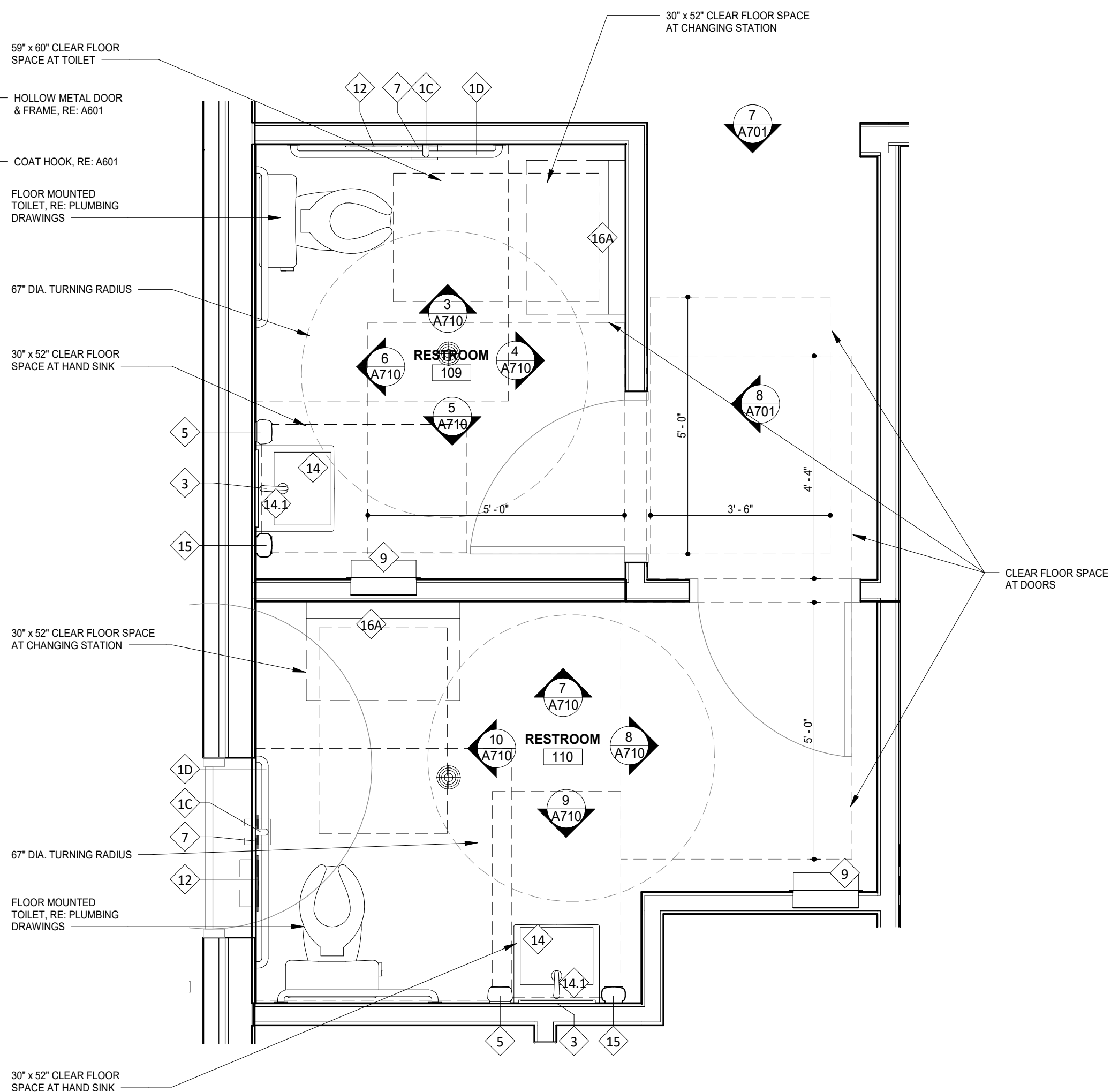
9 RESTROOM 109 ELEVATION
1/2" = 1'-0"



6 RESTROOM 108 ELEVATION
1/2" = 1'-0"



3 RESTROOM 108 ELEVATION
1/2" = 1'-0"



1 ENLARGED TOILET ROOM PLAN
1/2" = 1'-0"

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Revisions:	
09/06/24	CB 01

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Toilet Room Details

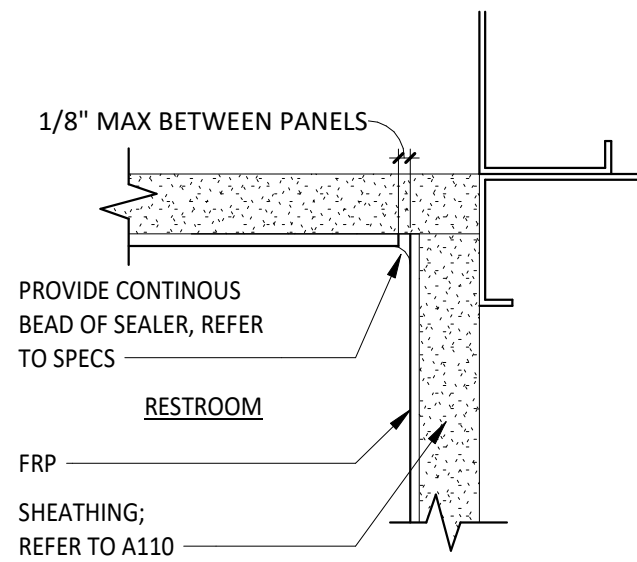
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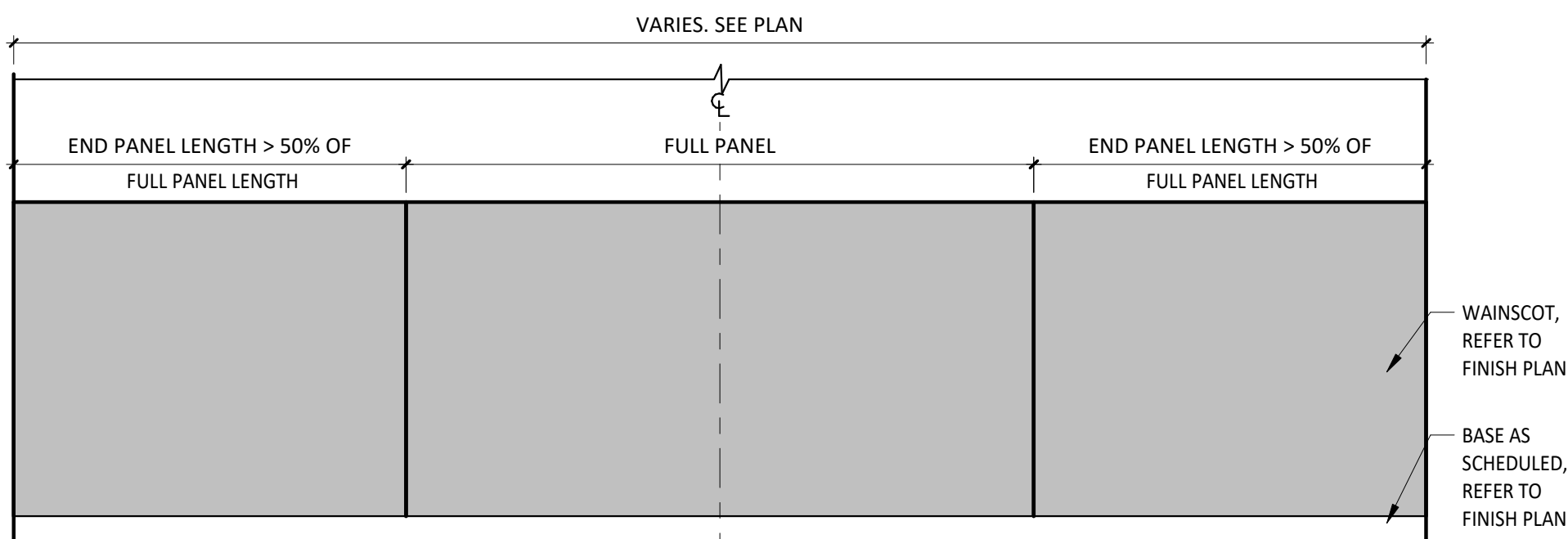
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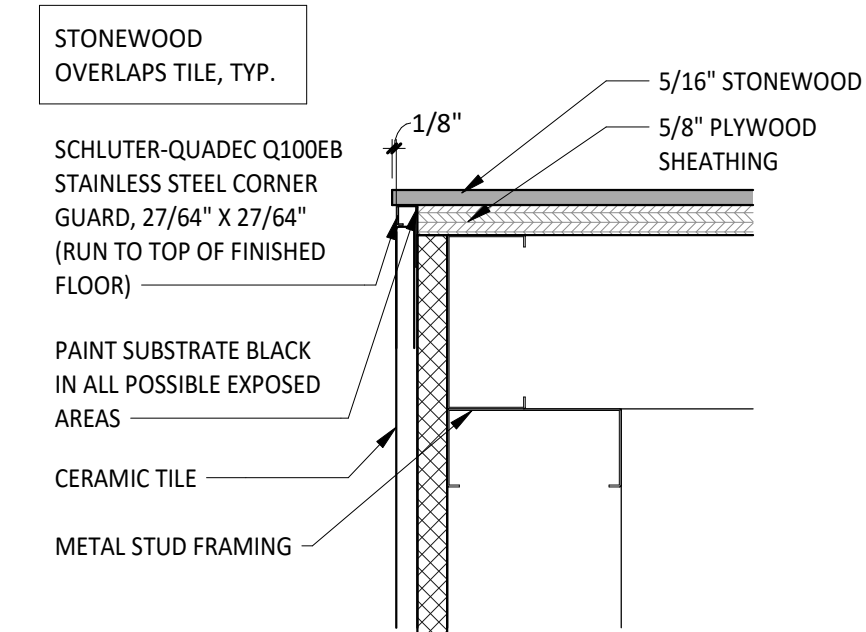
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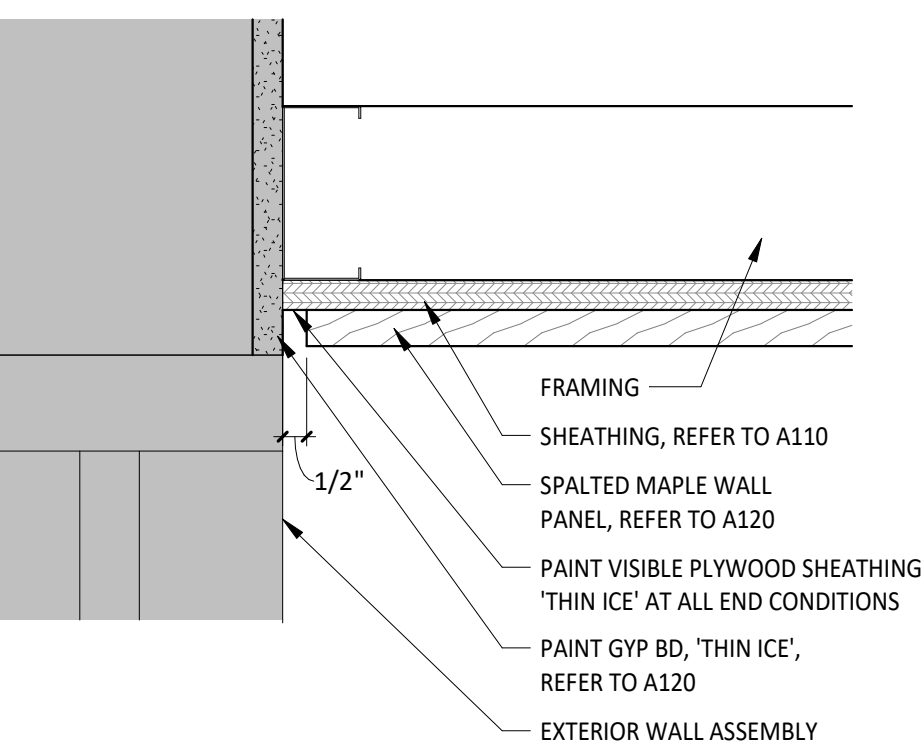
20 PLAN - RESTROOM FRP INSIDE CORNER
6\"/>



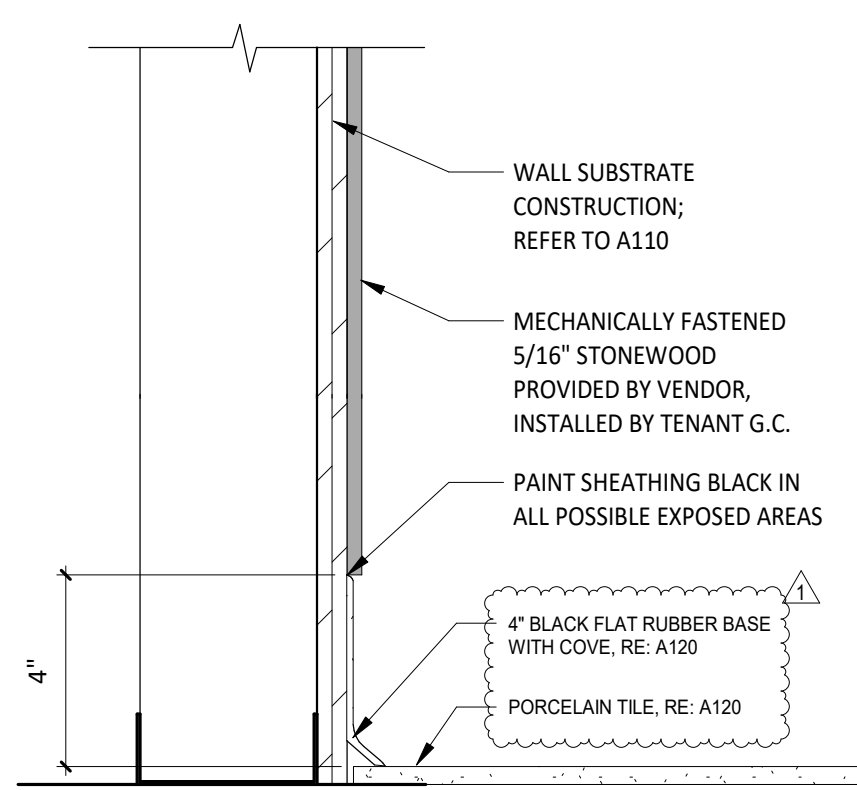
16 ELEVATION - WAINSCOT LAYOUT
12\"/>



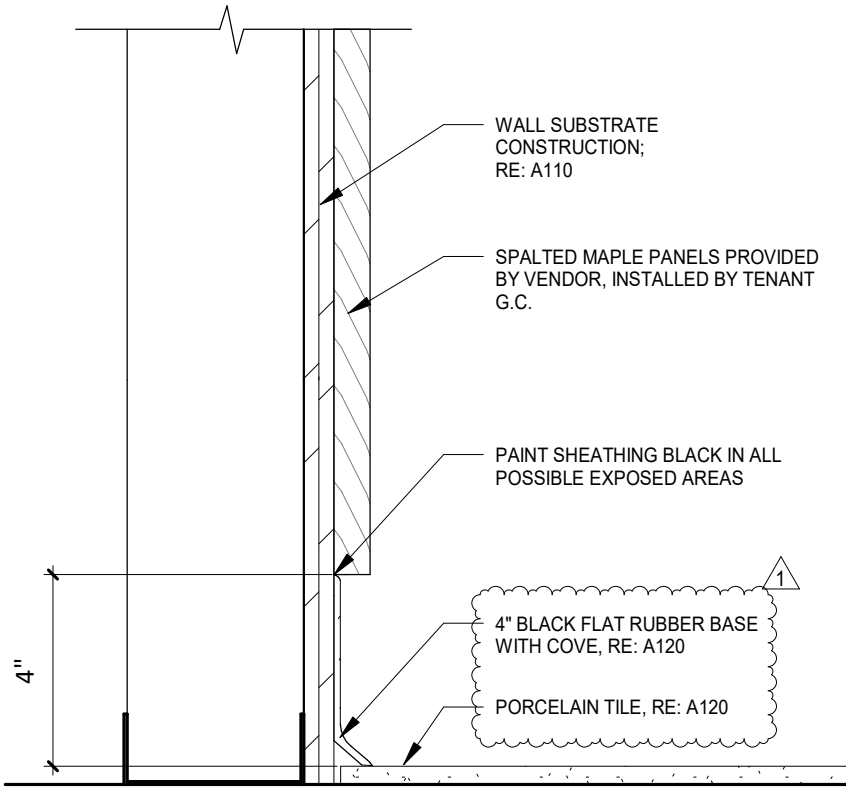
11 PLAN - STONEWOOD-TO-TILE OUTSIDE CORNER
3\"/>



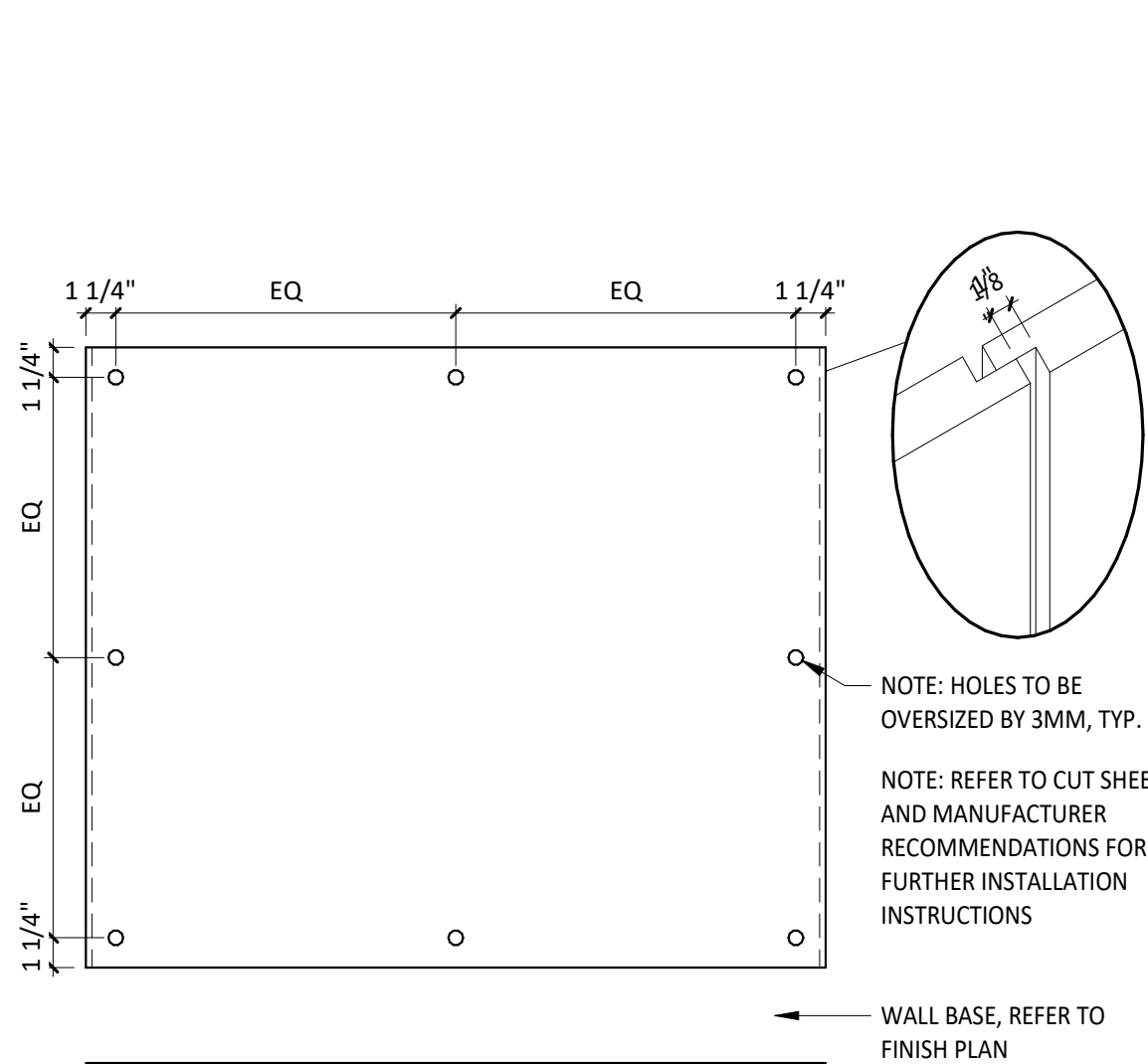
6 PLAN - SPALTED PLYWOOD END CONDITION
3\"/>



5 SECTION - STONEWOOD
3\"/>

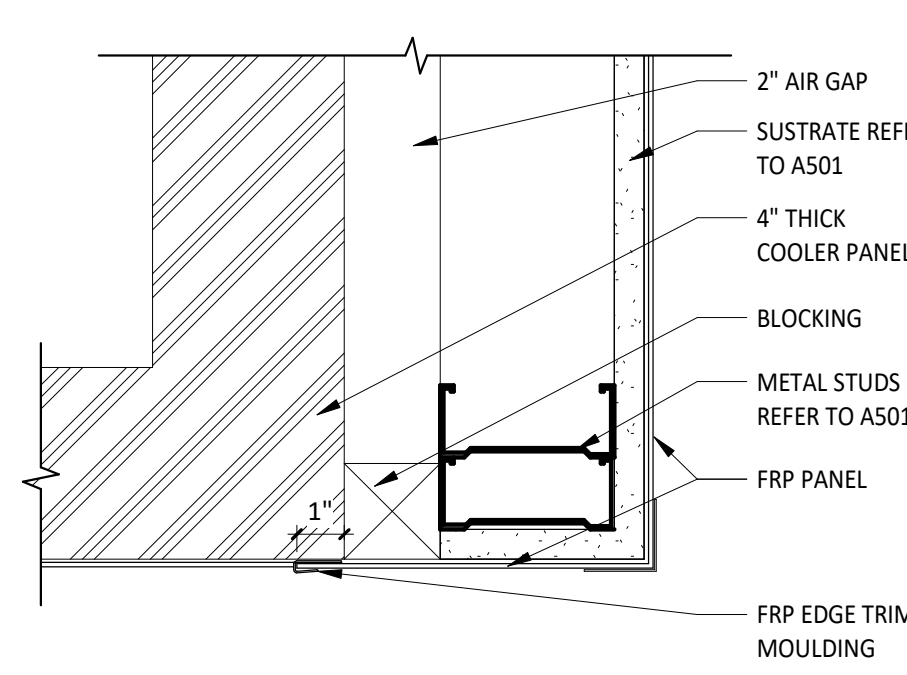


4 SECTION - SPALTED MAPLE
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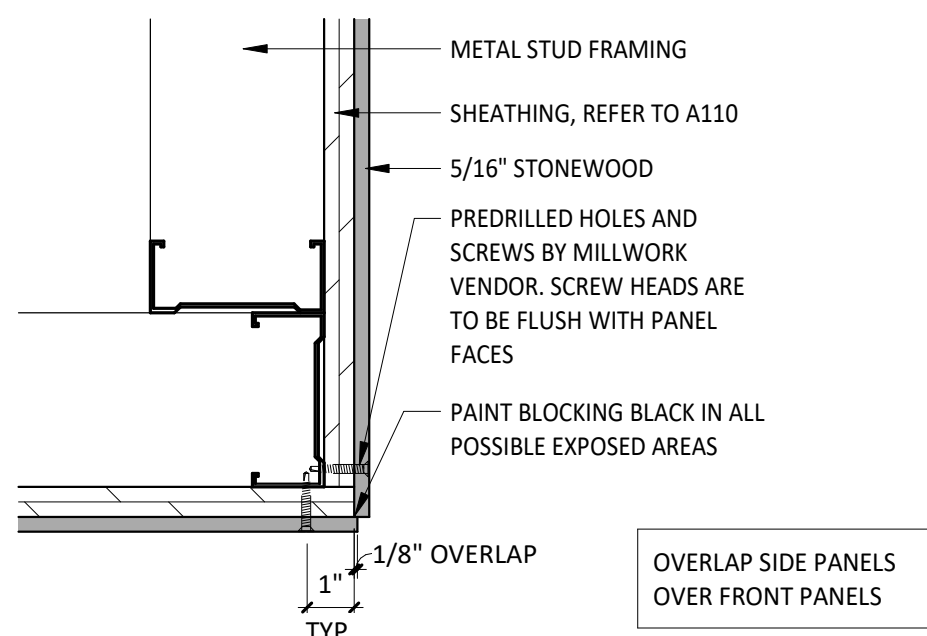


19 ELEVATION - WAINSCOT PANEL DETAIL
1 1/2\"/>

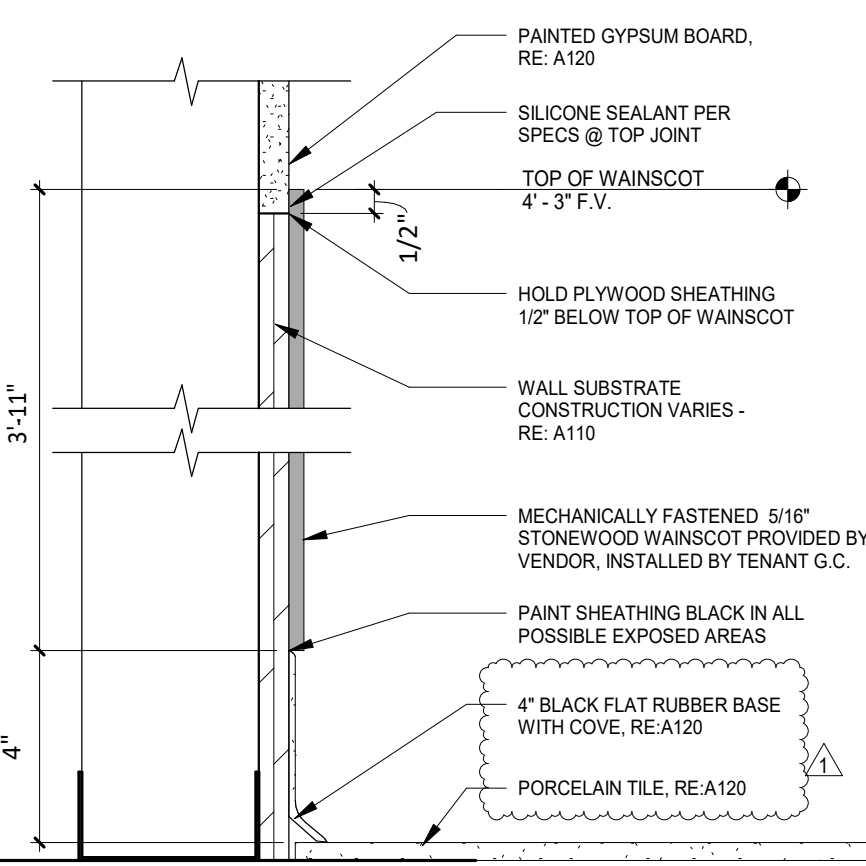
DETAIL 15 NOT USED



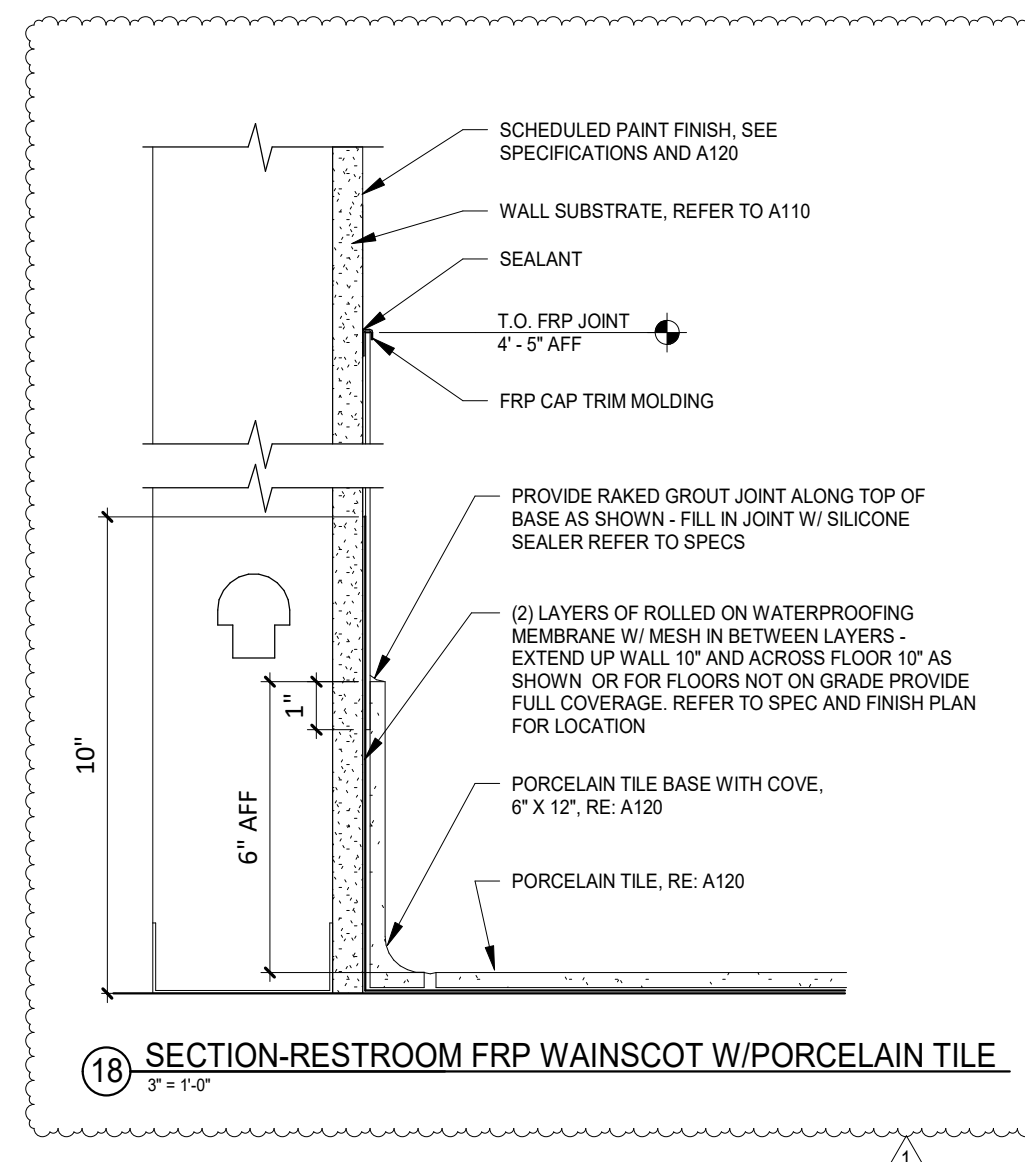
14 PLAN - FRP CLOSURE @ COOLER
3\"/>



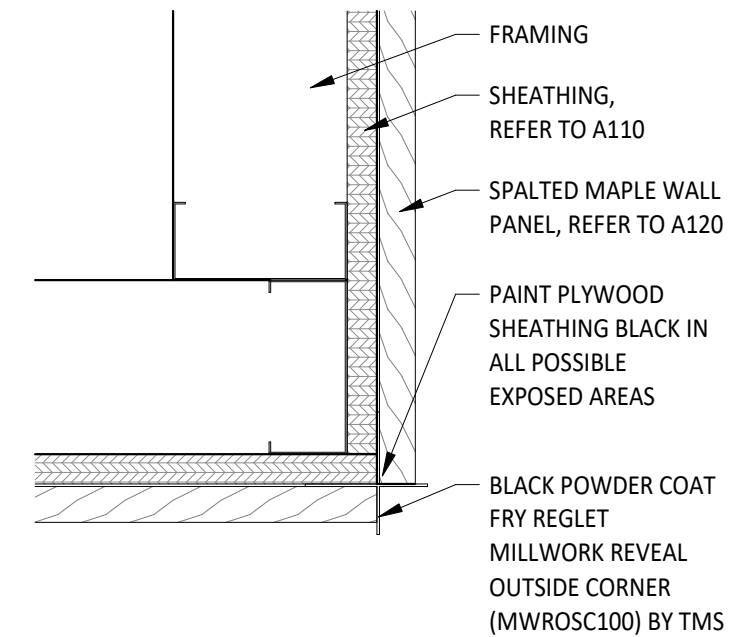
9 PLAN - STONEWOOD OUTSIDE CORNER
3\"/>



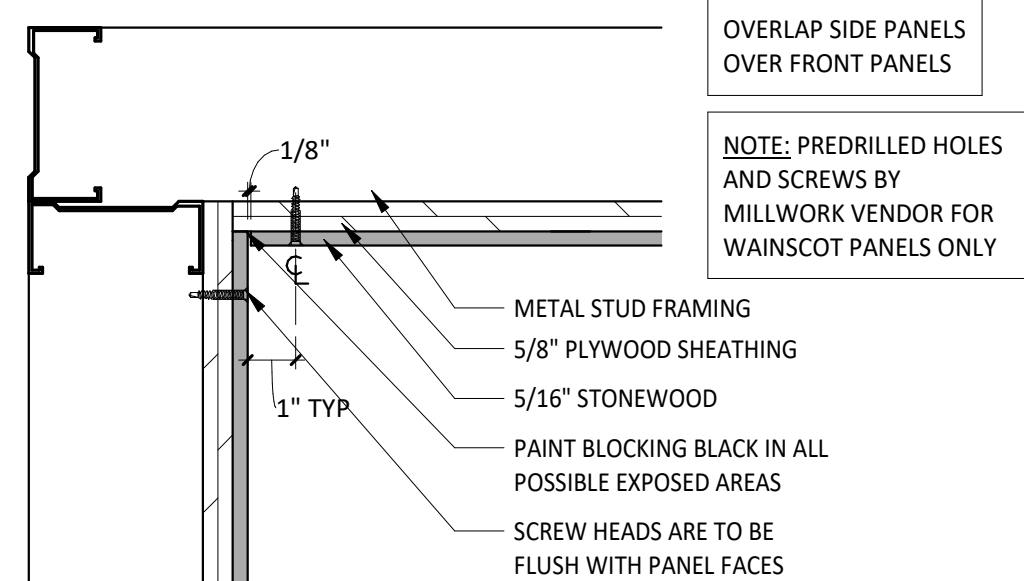
3 SECTION - WAINSCOT - PLYWOOD BACKING (PREFERRED)
3\"/>



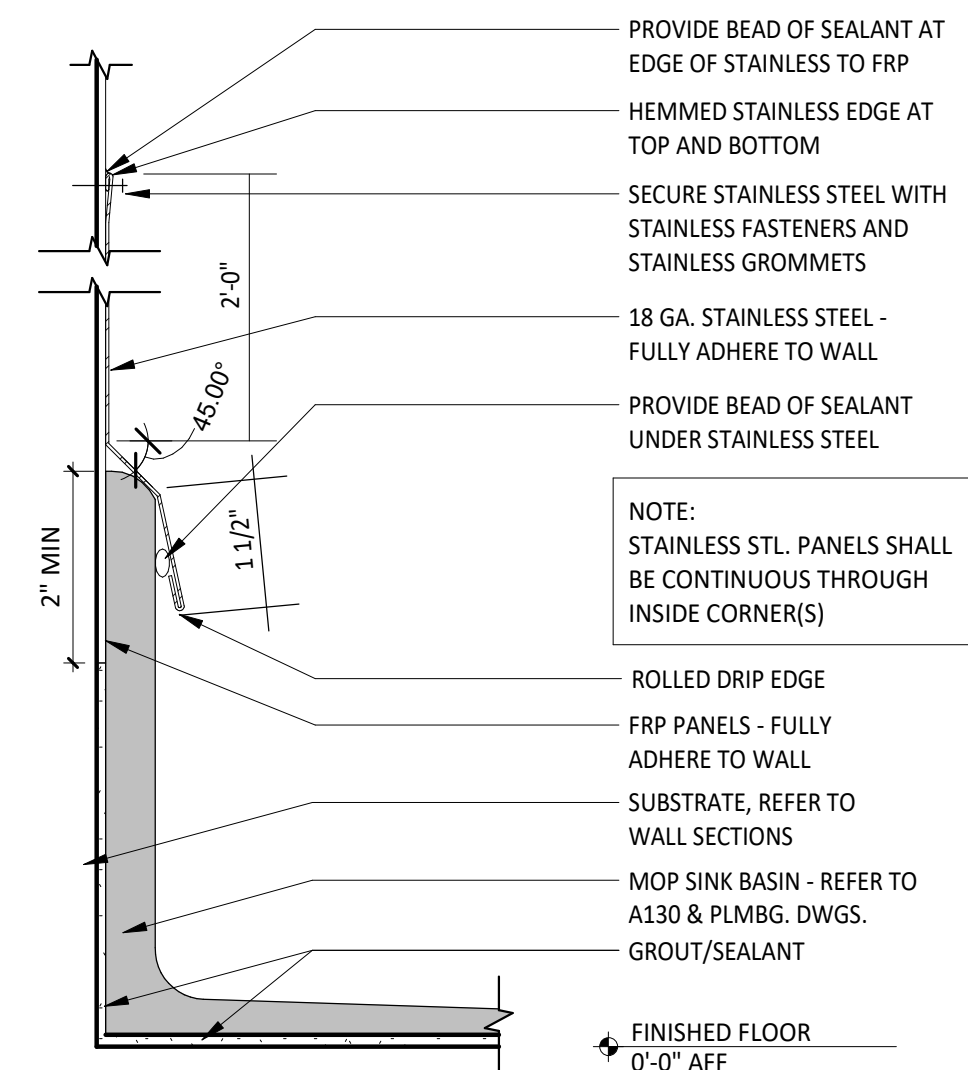
18 SECTION-RESTROOM FRP WAINSCOT W/PORCELAIN TILE
3\"/>



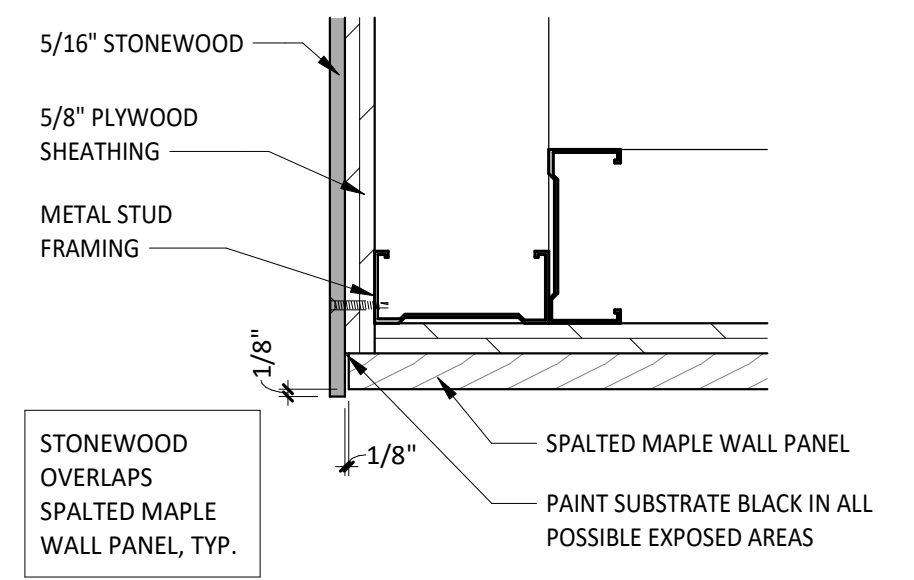
13 PLAN - SPALTED MAPLE-TO-SPALTED MAPLE CORNER
3\"/>



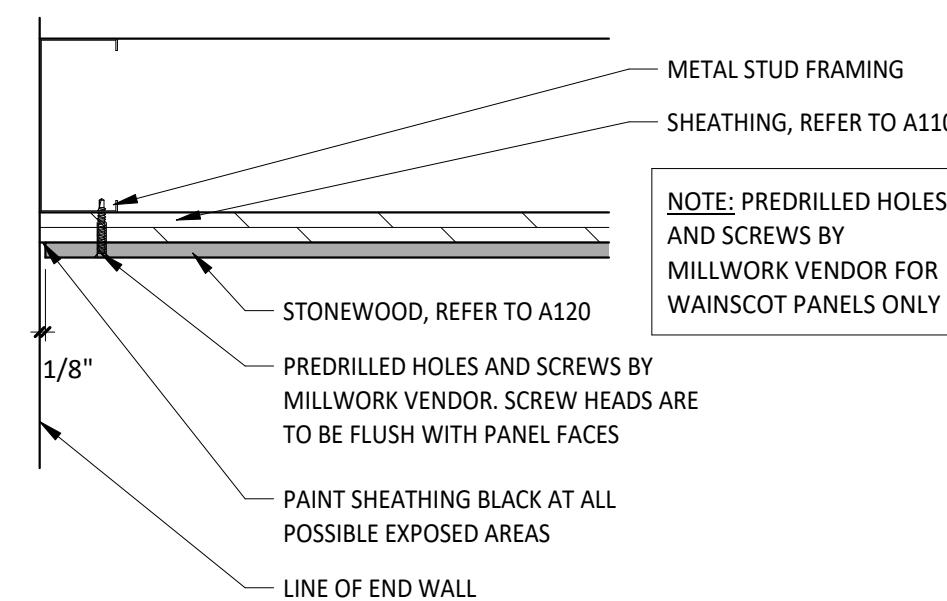
8 PLAN - STONEWOOD INSIDE CORNER
3\"/>



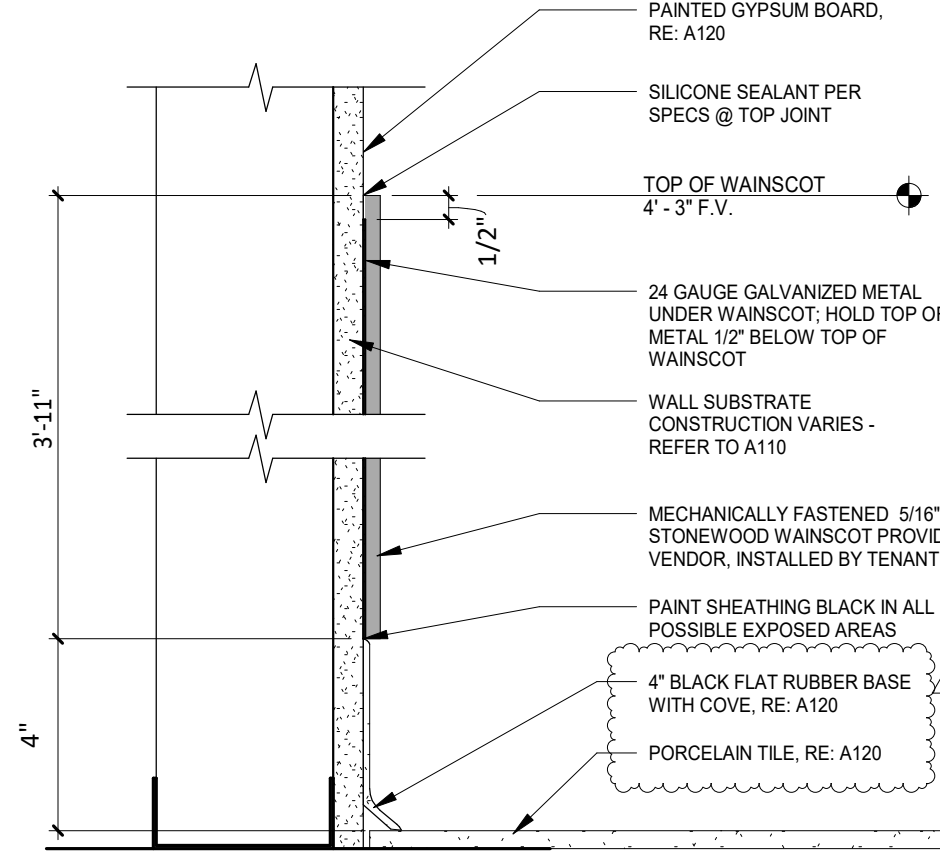
17 SECTION - MOP SINK
6\"/>



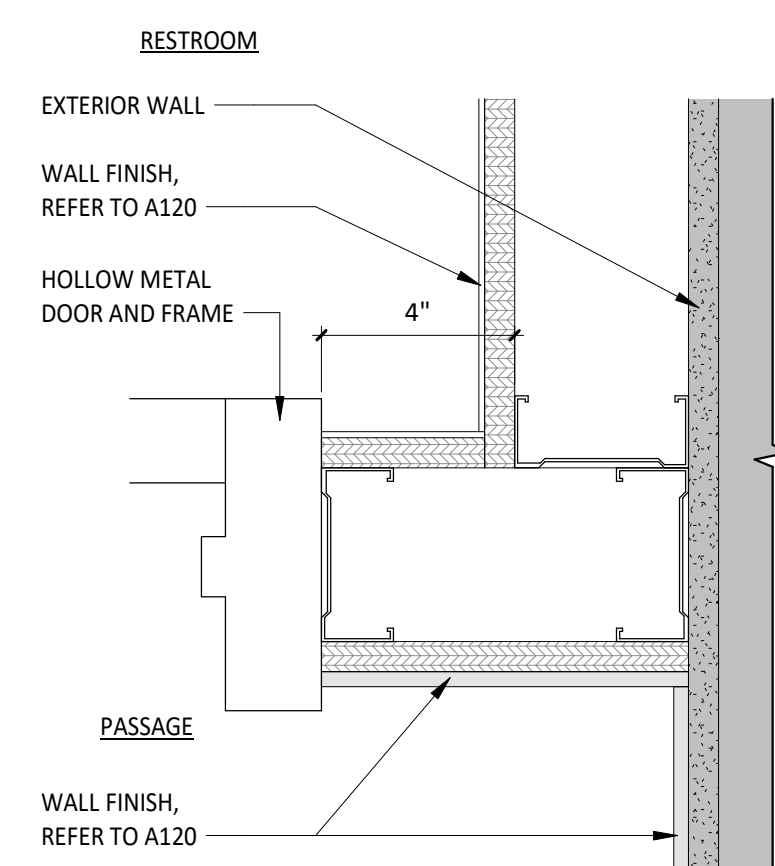
12 PLAN - SPALTED MAPLE-TO-STONEWOOD OUTSIDE CORNER
3\"/>



7 PLAN - STONEWOOD END CONDITION
3\"/>



2 SECTION - WAINSCOT - GALV. BACKING (@ RATED WALLS ONLY)
3\"/>



1 PLAN - DOOR JAMB
3\"/>



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Finish Details

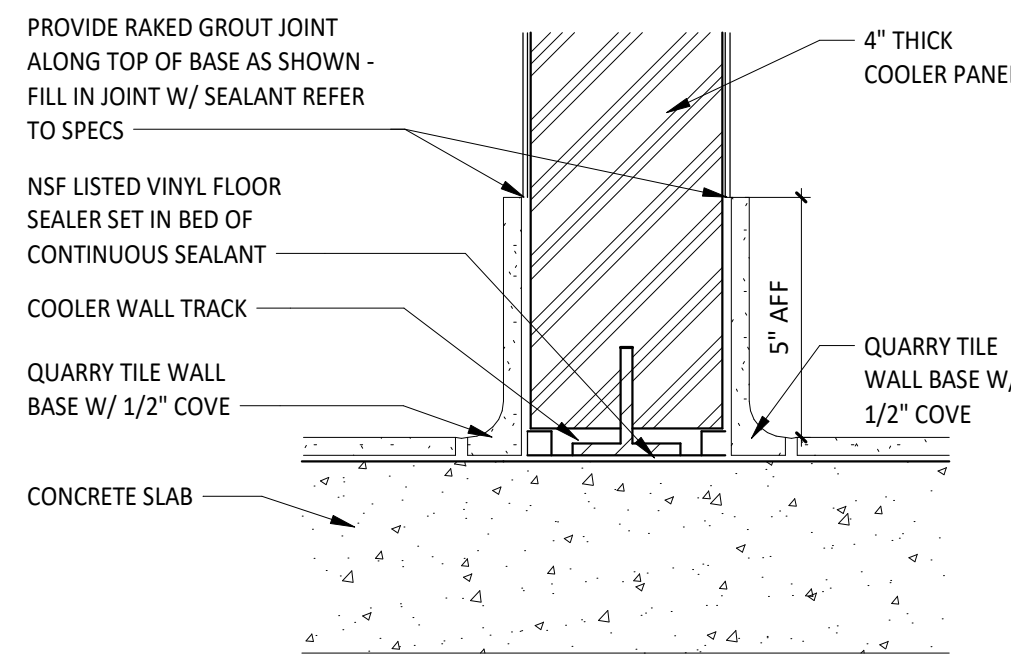
A802

GENERAL NOTES

1. TILE INSTALLER SHALL COORDINATE WITH GENERAL CONTRACTOR AND PROVIDE LAYOUT OF ALL WALL TILE PRIOR TO INSTALLATION. GENERAL CONTRACTOR SHALL PREPARE WALLS AS TO NOT HAVE ANY CUT TILES IN EITHER DIRECTION (HORIZONTALLY OR VERTICALLY) ON ANY WALLS. LAYOUT SHALL BE APPROVED BY CHIPOTLE CM PRIOR TO INSTALLATION. CONTRACTOR SHALL CONTACT ARCHITECT OF ANY DISCREPANCIES IN DIMENSIONS FOR DIRECTION PRIOR TO INSTALLATION. FAILURE TO ADHERE TO THESE REQUIREMENTS RESULTING IN ANY REMEDIATION REQUIRED TO MEET DESIGN INTENT WILL BE AT CONTRACTOR'S COST.
2. IF REQUIRED TO CUT TILES, CONTRACTOR TO MEASURE OVERALL WALL WIDTH AND DETERMINE WHICH SOLUTION WILL ALLOW FOR THE GREATER THAN 50% TILE WIDTH AT WALL TERMINATIONS.
3. UNLESS OTHERWISE NOTED, ALL WALL TILES SHOULD BE CENTERED ON THE WIDTH OF THE WALL PER DETAIL 14 OR 15 THIS SHEET.
4. THERE SHOULD NEVER BE ANY CUT TILES VERTICALLY BETWEEN THE BASE AND THE CEILING. REFER TO A120 AND A201.

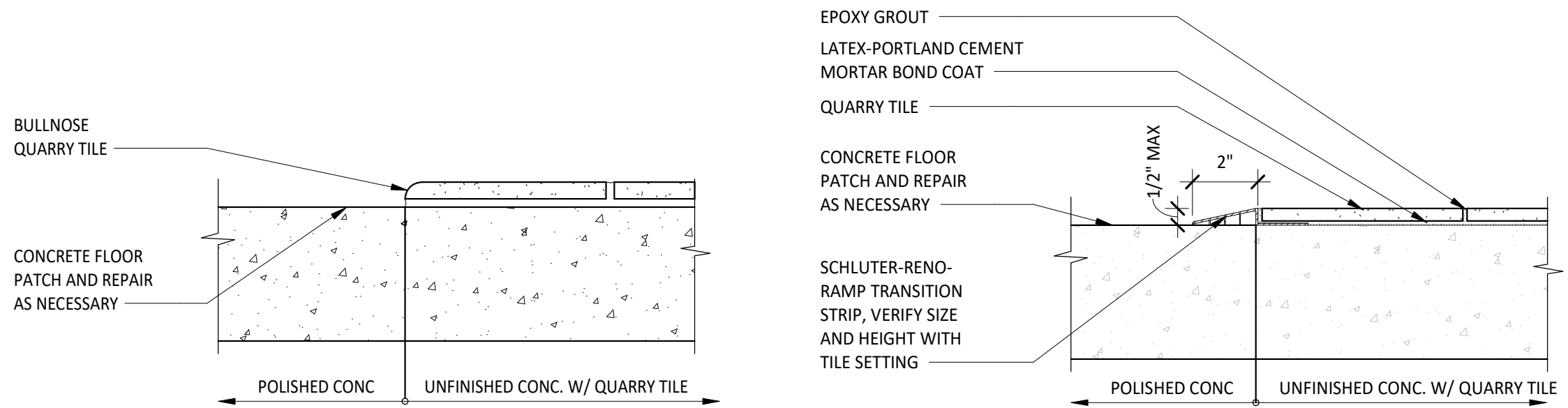
INTERIOR

EXTERIOR



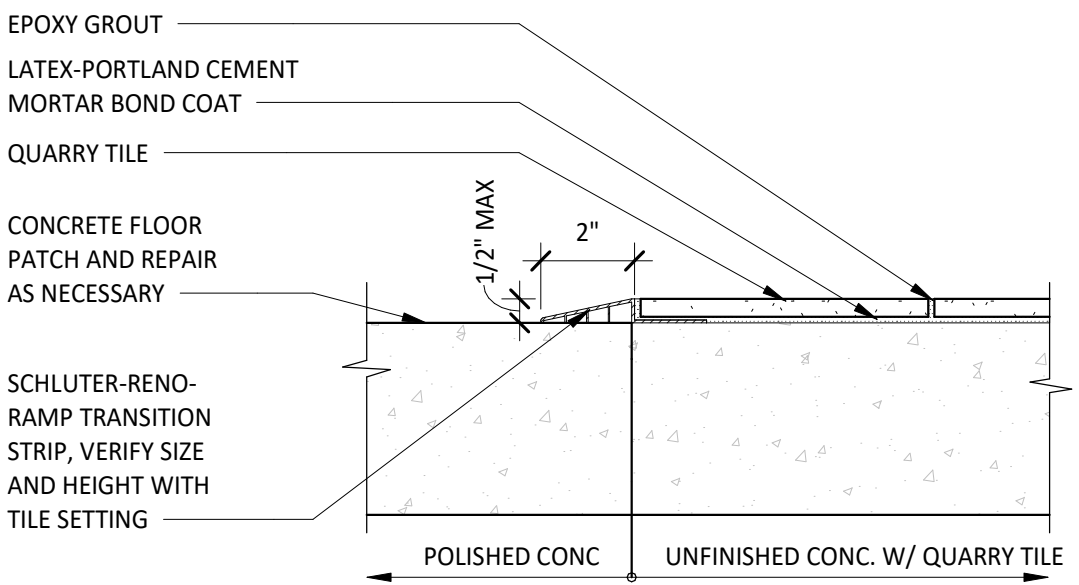
19 SECTION - QUARRY TILE BASE @ COOLER WALL

3" = 1'-0"



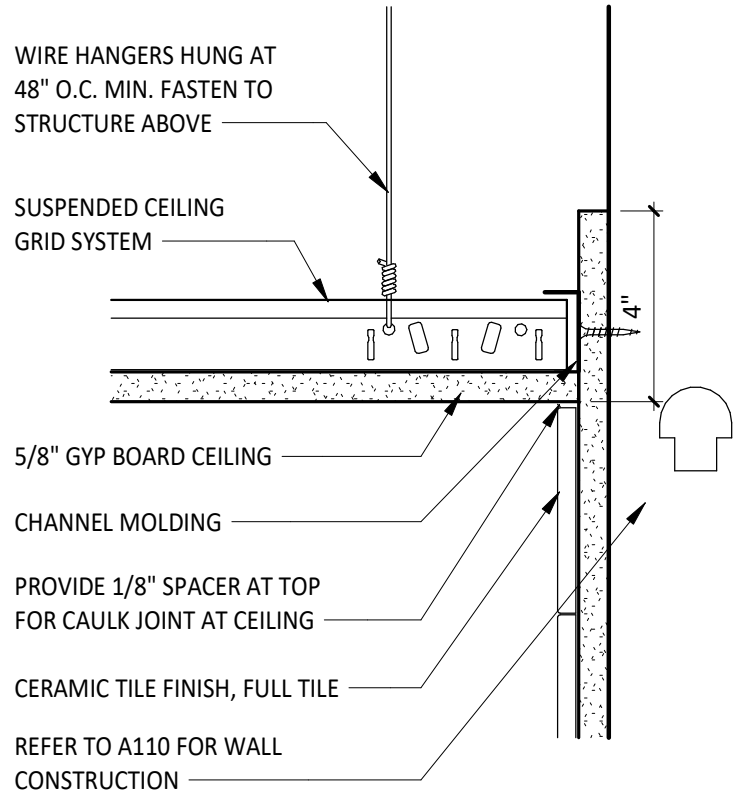
23 SECTION - BULLNOSE FLOOR TRANSITION

3" = 1'-0"



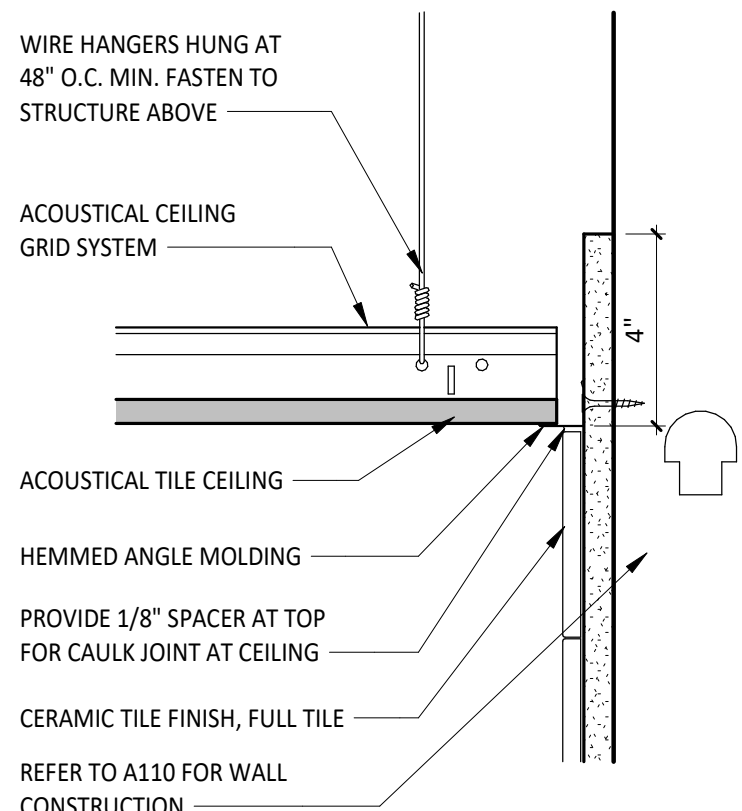
22 SECTION - FLOOR TRANSITION W/ RAMP

3" = 1'-0"



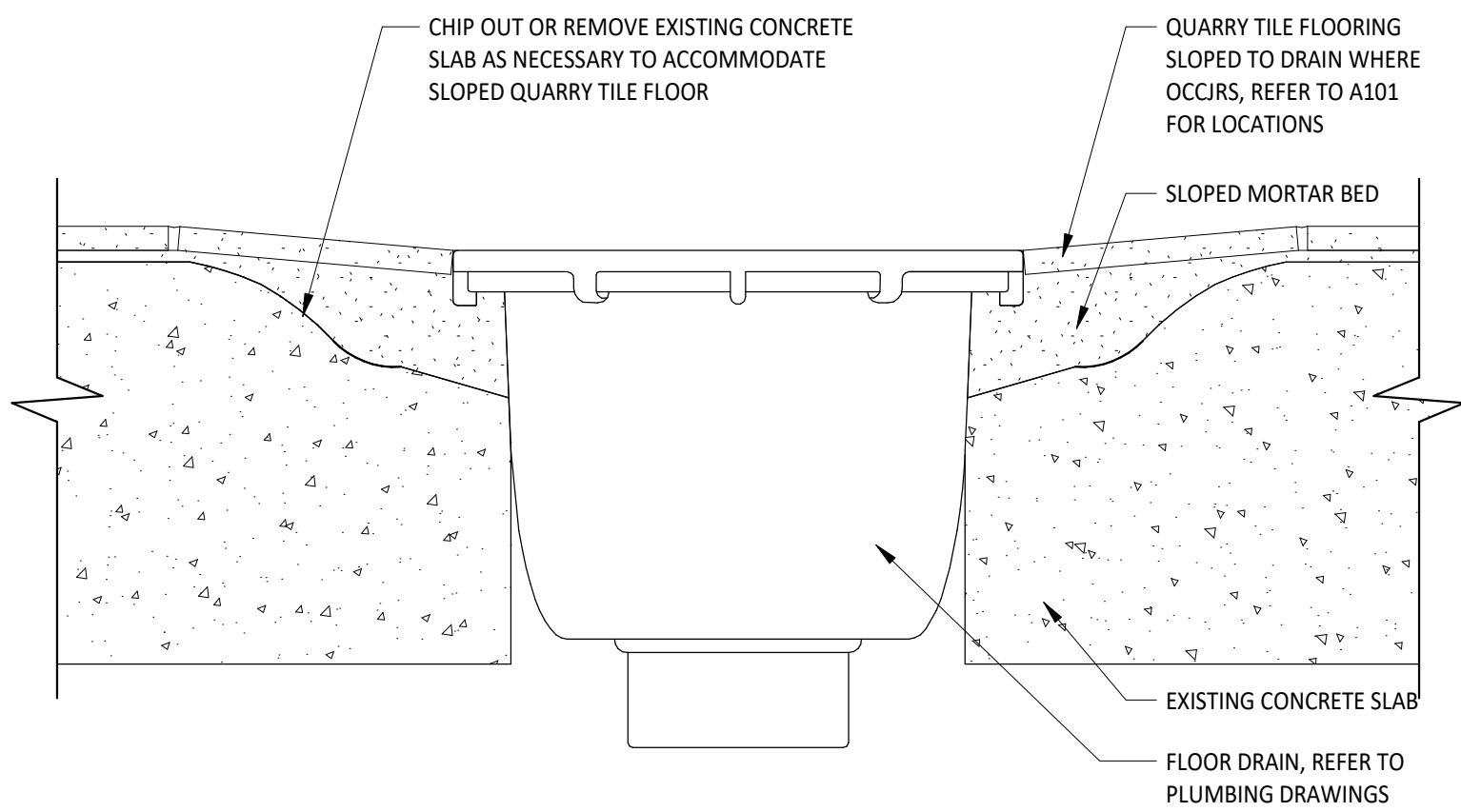
21 SECTION - TILE @ GYPSUM BOARD CEILING

3" = 1'-0"



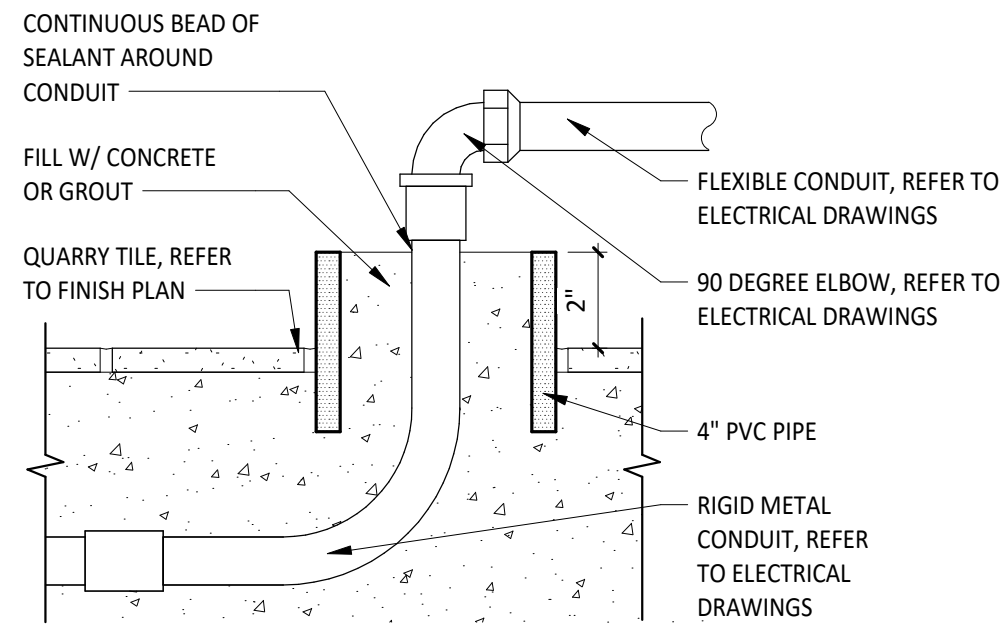
20 SECTION - TILE @ LAY-IN CEILING

3" = 1'-0"



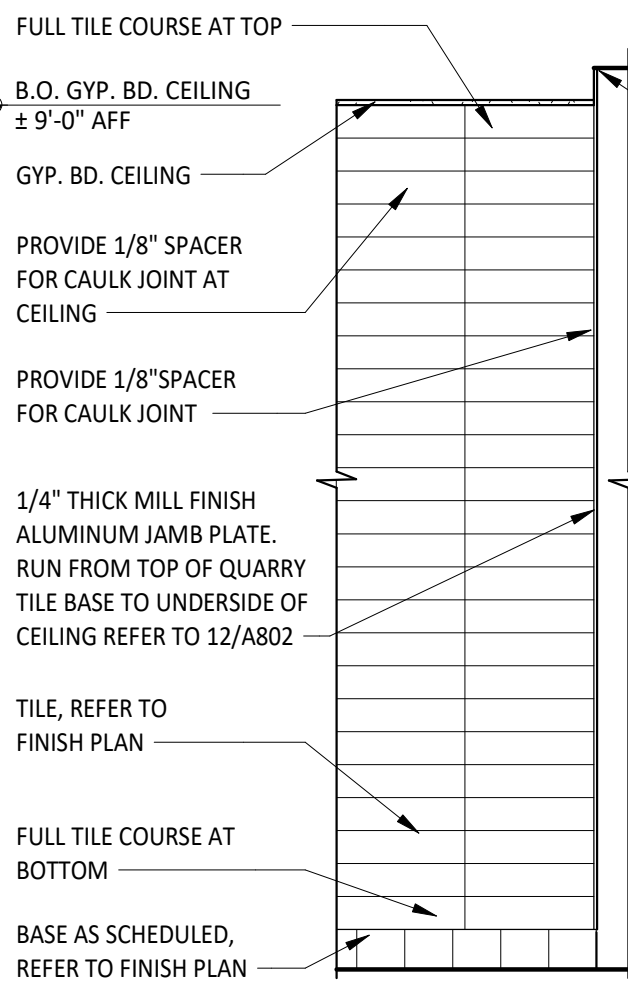
18 FLOOR DRAIN IN QUARRY TILE DETAIL

3" = 1'-0"



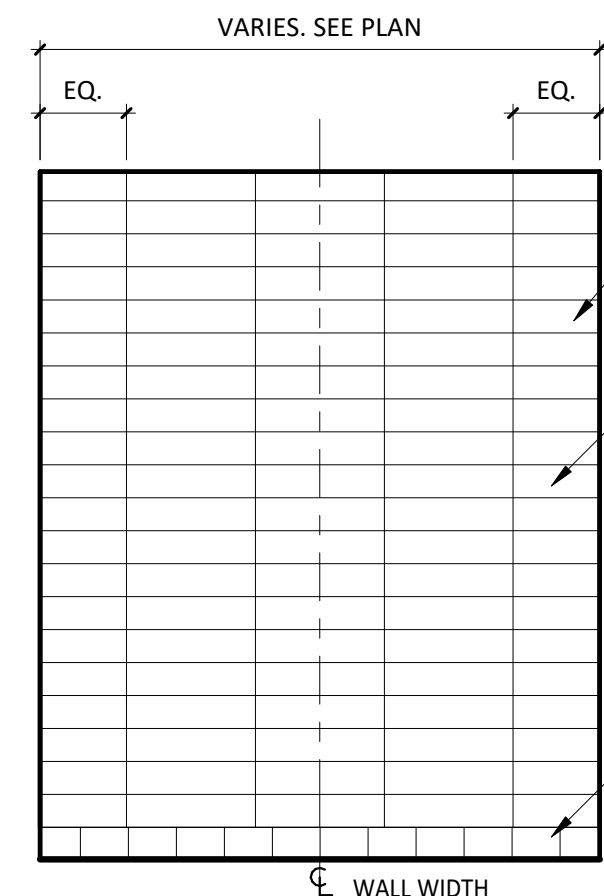
17 SECTION - POWER STUB UNDER TABLES

3" = 1'-0"



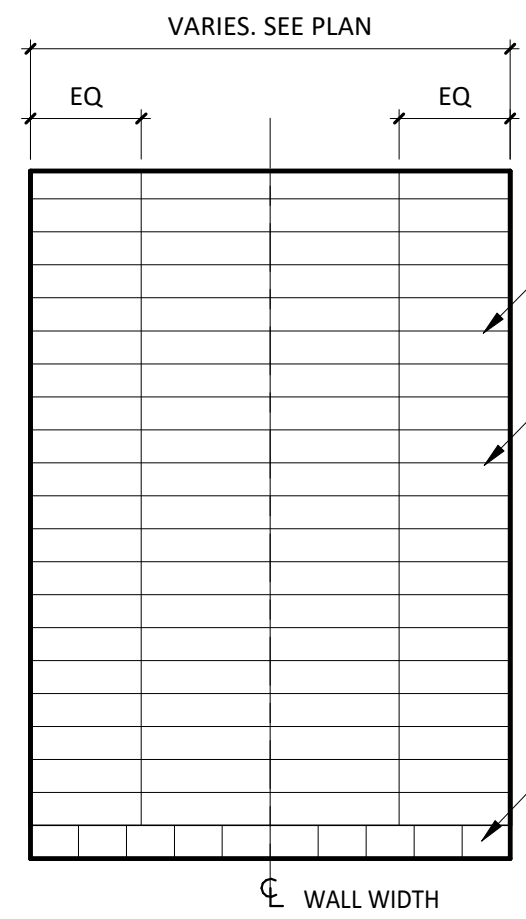
16 TILE LAYOUT - WALL ENDCAP

1/2" = 1'-0"



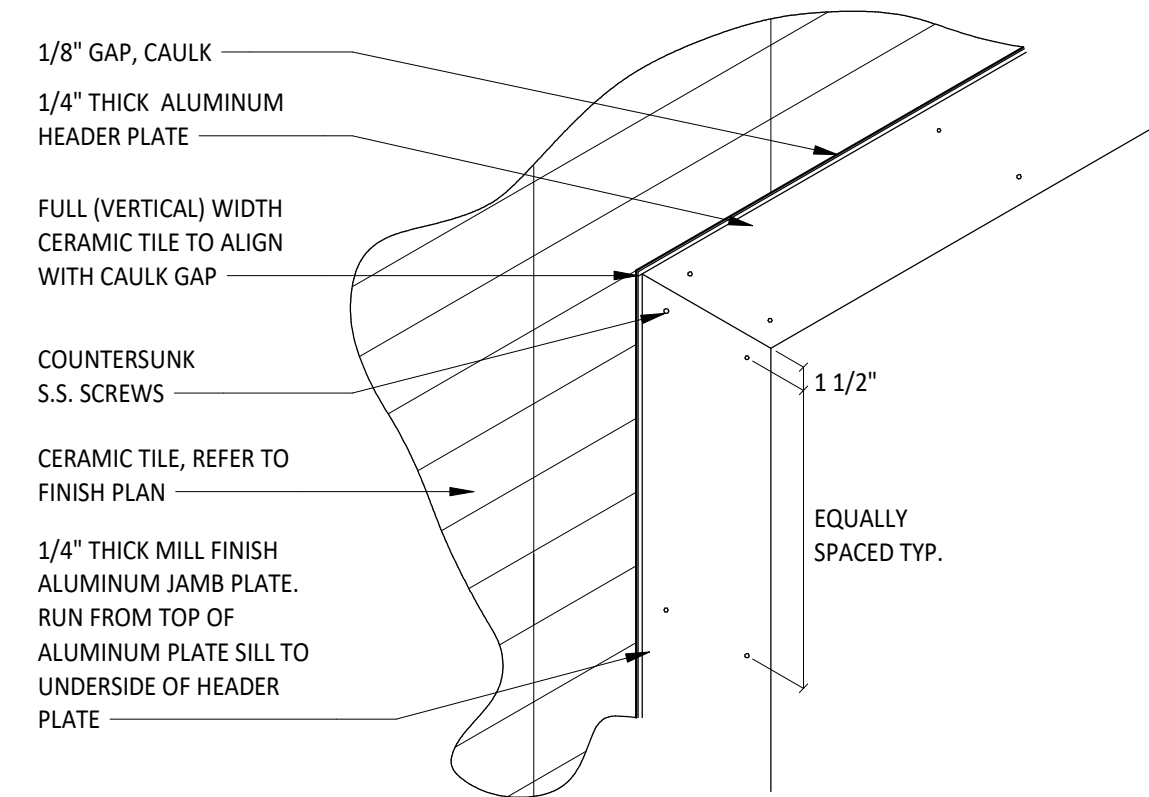
15 TILE LAYOUT - TILE CENTERED ON WALL

1/2" = 1'-0"



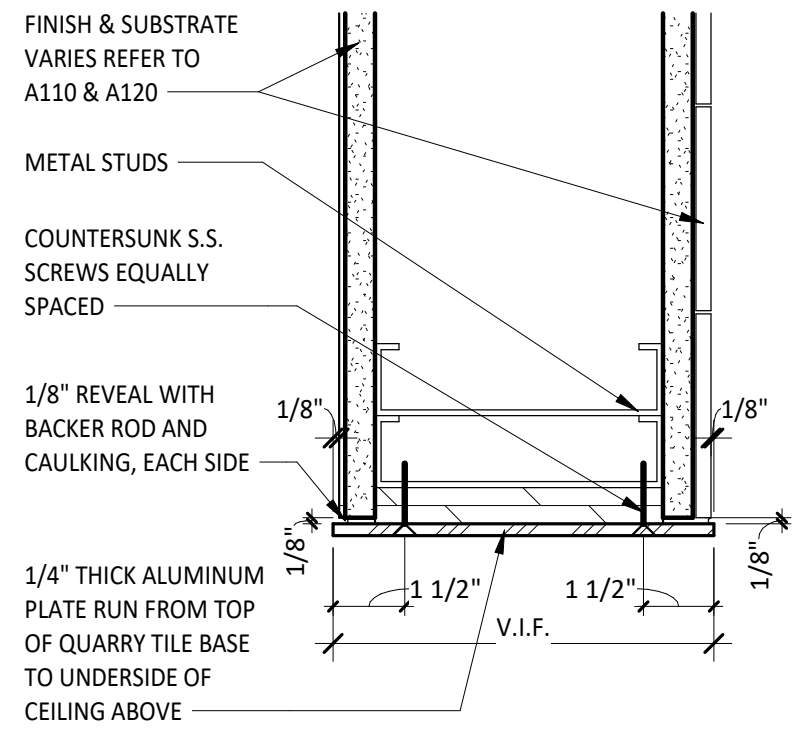
14 TILE LAYOUT - GROUT JOINT CENTERED ON WALL

1/2" = 1'-0"



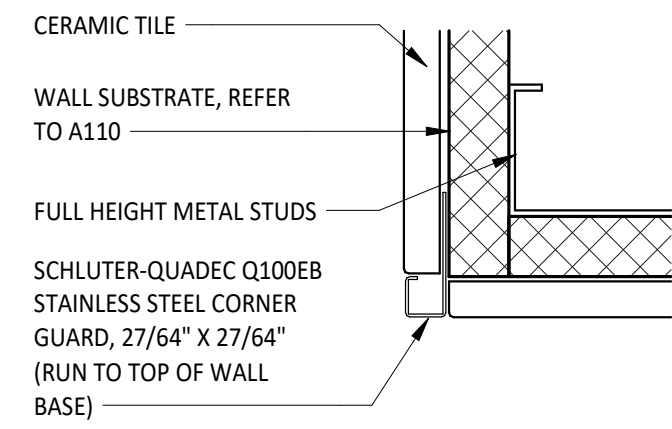
13 TILE DETAIL @ ALUMINUM PLATE JAMB/HEADER

1" = 1'-0"



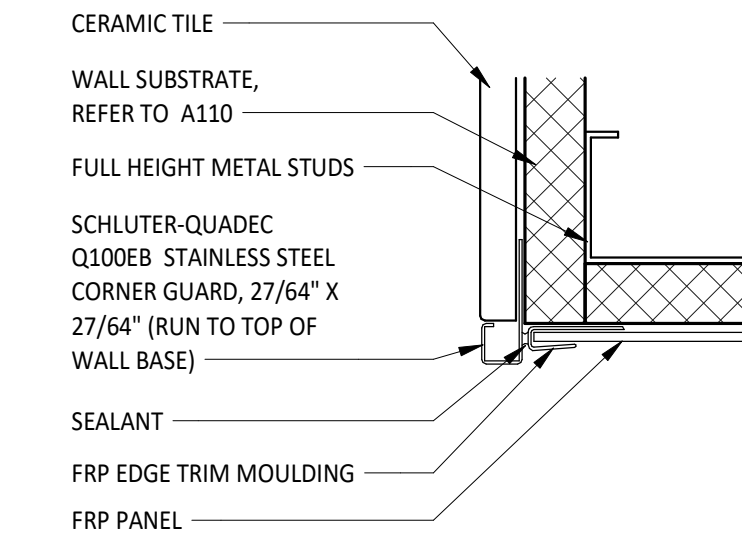
12 PLAN - ALUMINUM PLATE @ JAMB/HEAD/SILL

3" = 1'-0"



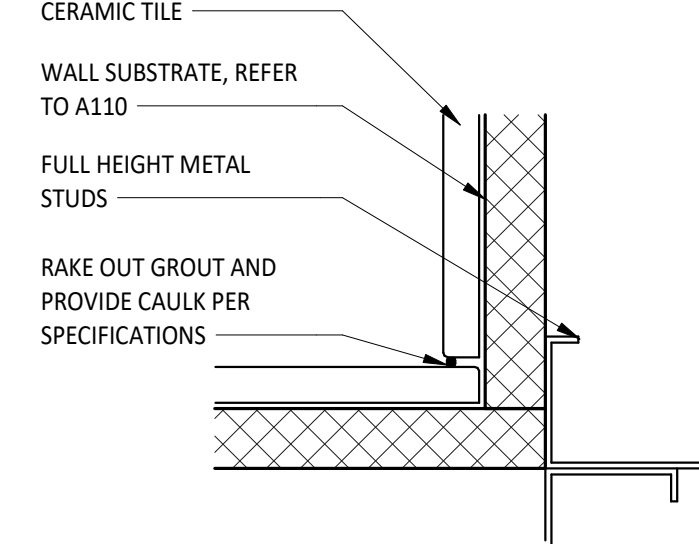
11 PLAN - TILE-TO-TILE OUTSIDE CORNER

6" = 1'-0"



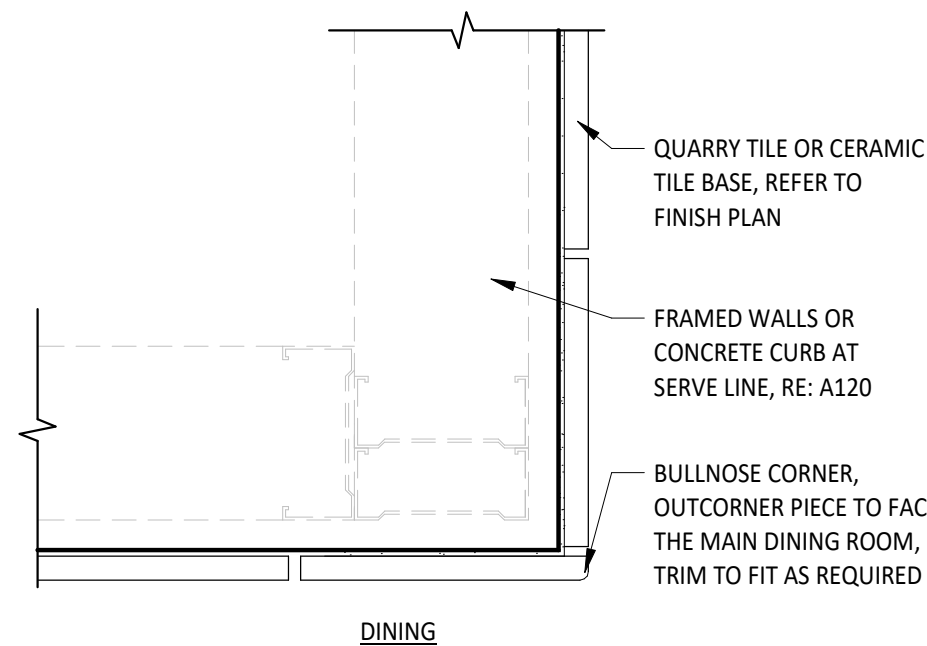
10 PLAN - TILE-TO-FRP OUTSIDE CORNER

6" = 1'-0"



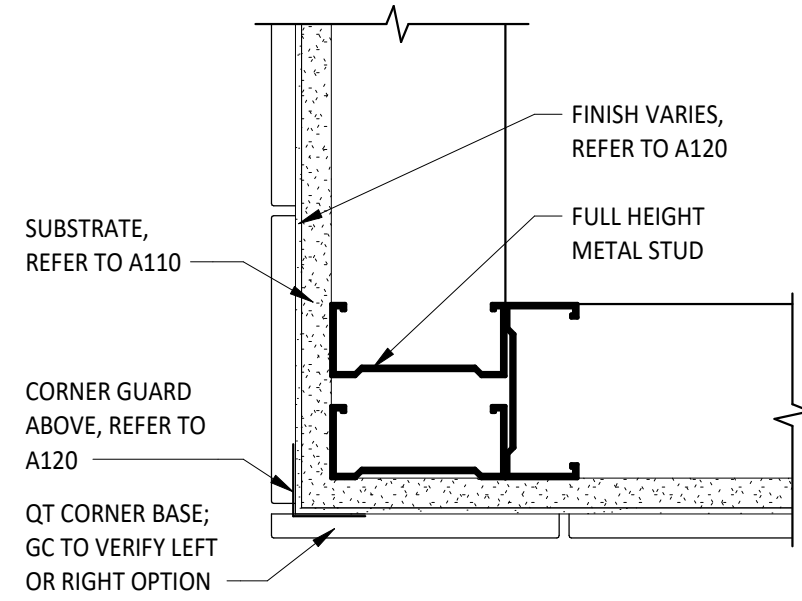
9 PLAN - TILE-TO-TILE INSIDE CORNER

6" = 1'-0"



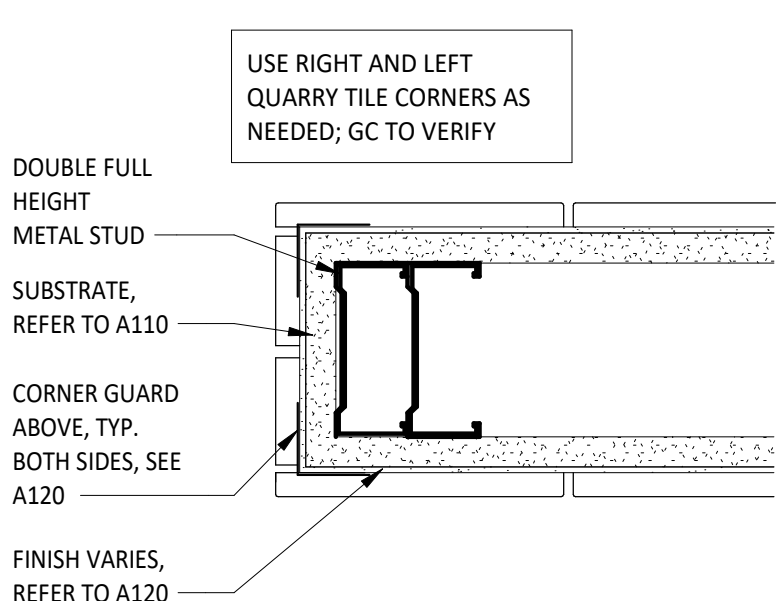
8 PLAN - TILE BASE @ OUTSIDE CORNER (DINING)

6" = 1'-0"



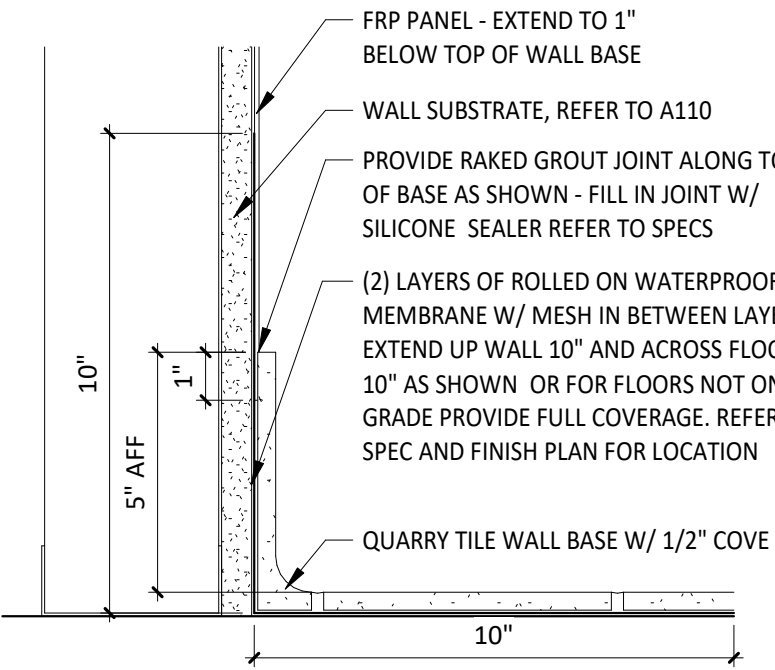
7 PLAN - QT BASE @ OUTSIDE CORNER (KITCHEN)

3" = 1'-0"



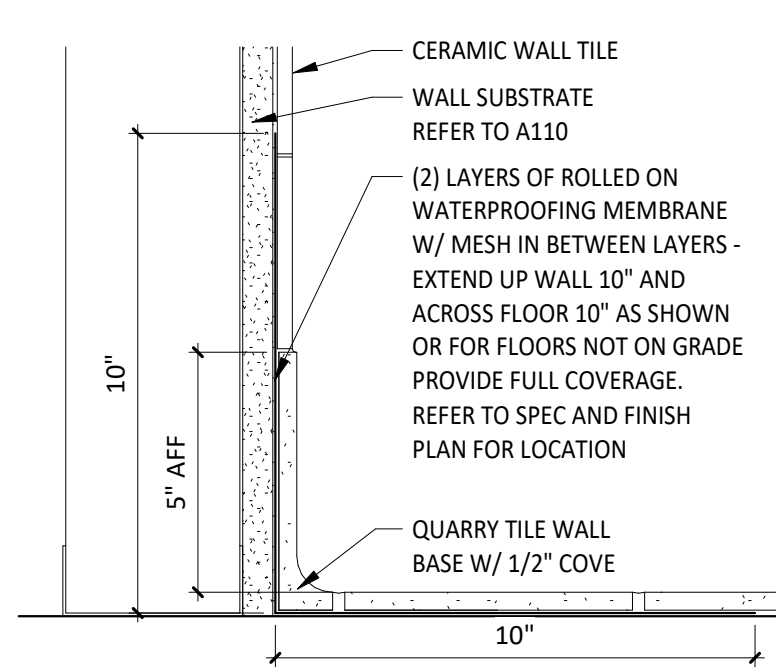
6 PLAN - QUARRY TILE BASE @ ENDCAP

3" = 1'-0"



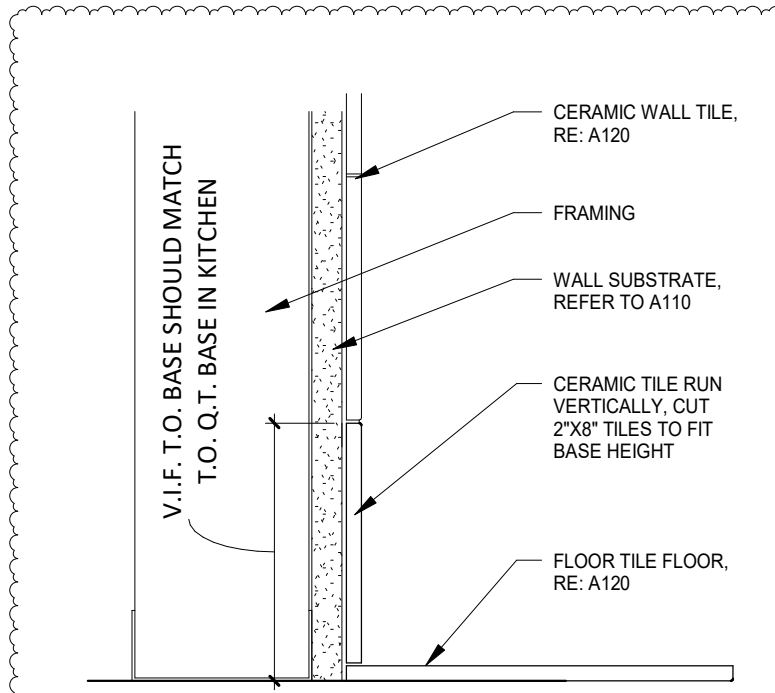
5 SECTION - QUARRY TILE BASE @ FRP

3" = 1'-0"



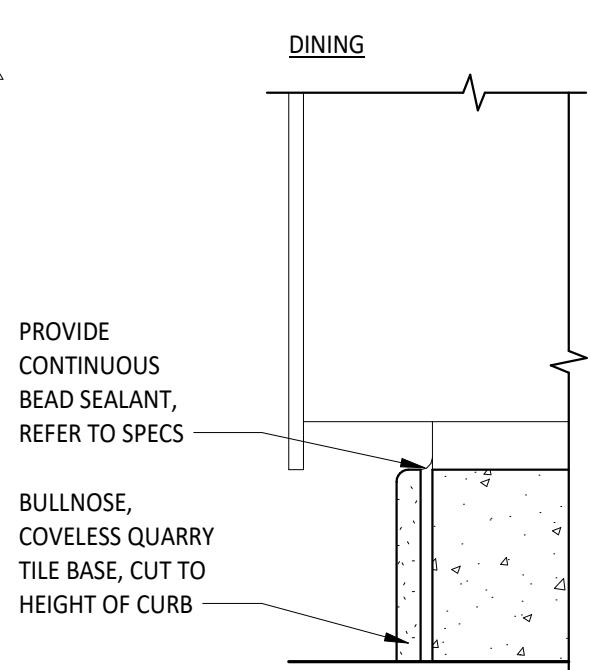
4 SECTION - QUARRY TILE BASE @ CERAMIC TILE

3" = 1'-0"



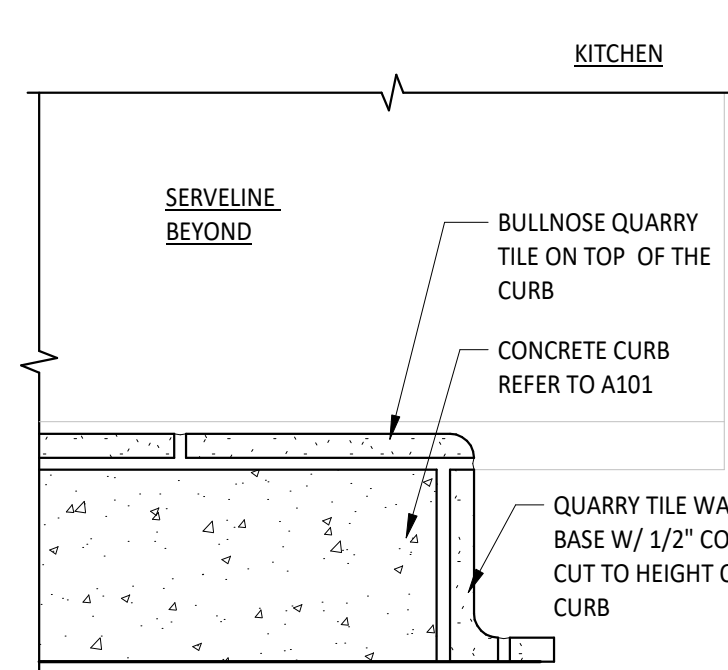
3 SECTION - CERAMIC TILE BASE @ TILE WALL

3" = 1'-0"



2 SECTION - QUARRY TILE @ CURB

3" = 1'-0"



1 SECTION - QUARRY TILE @ CURB

3" = 1'-0"



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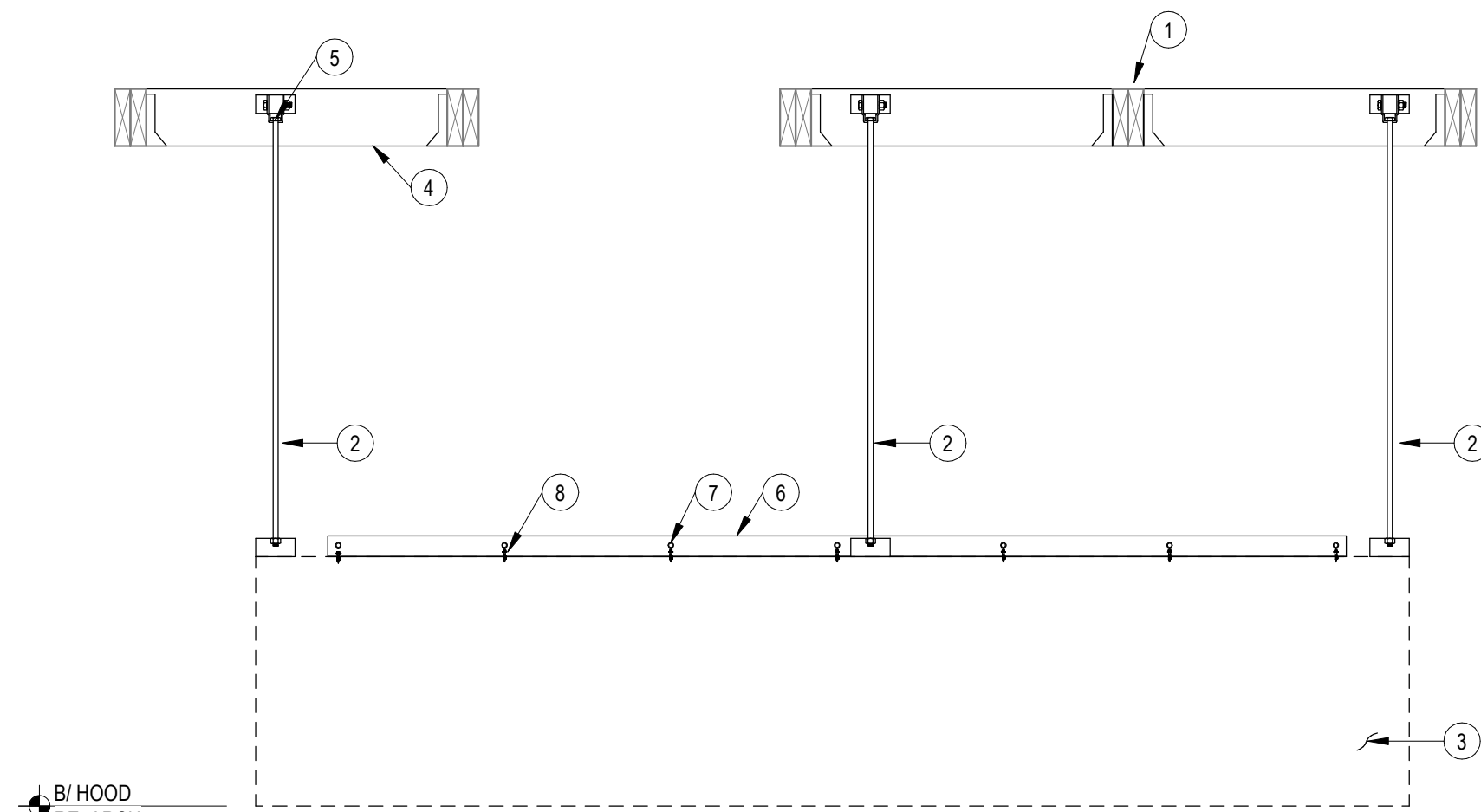
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Interior Perspectives

A900

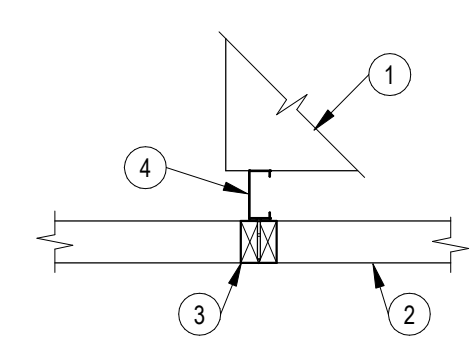


- DETAIL NOTES:**
- EXISTING TRUSS BOTTOM CHORD
 - (8) 1/2" Ø THREADED ROD WITH LOCK NUTS EA END. LOCATE ONE @ EA CORNER & THIRD POINTS OF EA LONG SIDE
 - VENT HOOK, RE: MECH
 - (2) 2x4 BLOCKING PANEL W/ SIMPSON LUS24-2 EA END TYP
 - UNISTRUT P2682 W/ P2677 HANGER CLEVIS W/ (2) 7/16"Ø x2 1/2" LAG SCREWS. TYP INSTALL ABOVE 1/2 OF BLOCKING HEIGHT
 - 8"x3"x16 GA CONT LENGTH OF HOOD ATTACHED TO WALL ON BACKSIDE OF HOOD. NOTCH FOR DUCT @ CENTER OF HOOD
 - #8x3" WOOD SCREW @ 16" OC INTO WALL STUDS PROVIDE BLOCKING IN WALL AS REQD
 - #10 TEK SCREWS @ 16" OC

LONG DIMENSION OF HOOD PERPENDICULAR TO TRUSSES

4 ROOF SECTION

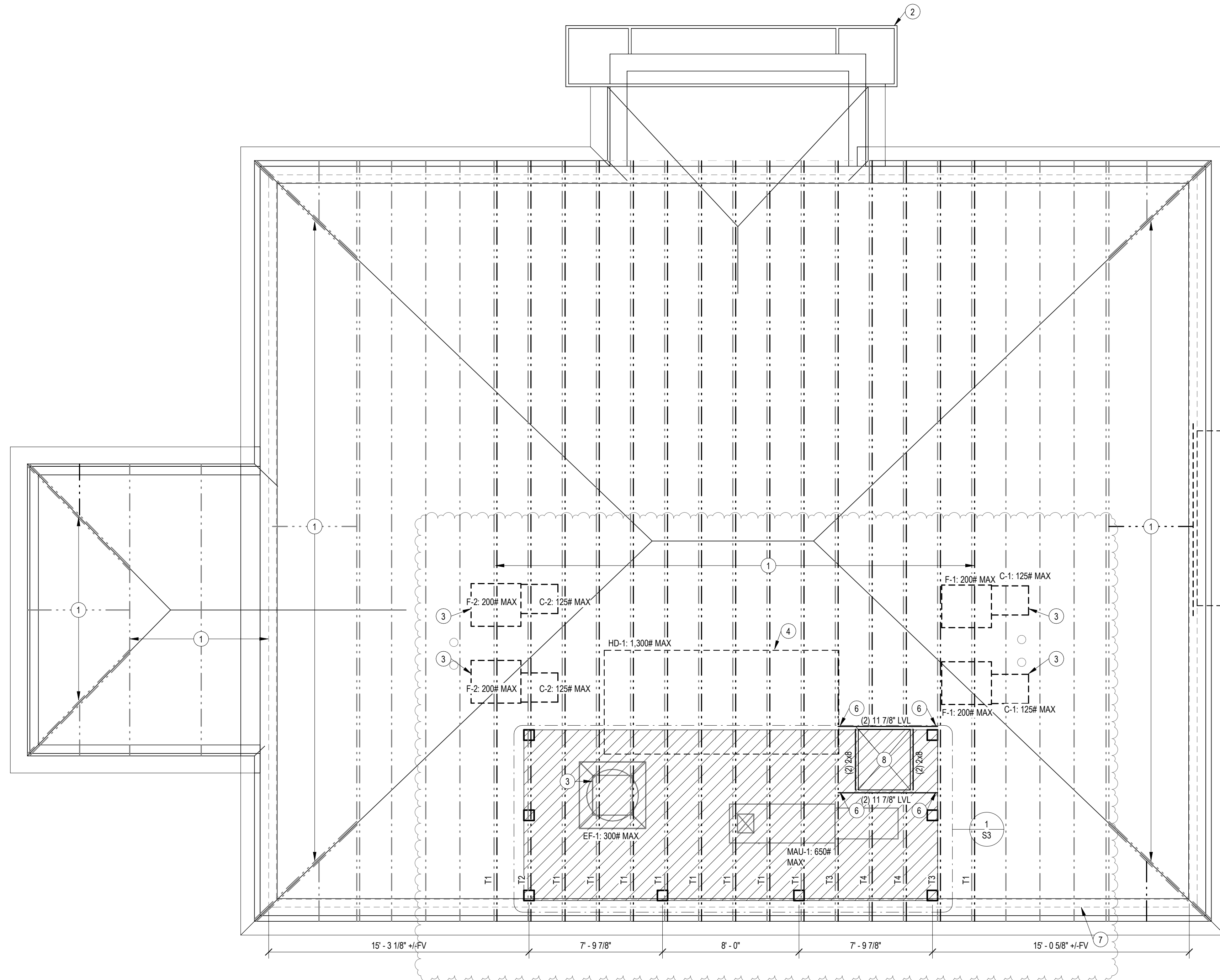
3/4" = 1'-0"



- DETAIL NOTES:**
- MECHANICAL UNIT. RE: MEP
 - EXISTING TRUSS BOTTOM CHORD
 - (2) 2x4 AT ALL SIDE OF MEP UNIT. FASTEN W/ LUS24-2 EA END
 - ROOFTOP MECHANICAL EQUIPMENT, RE: MEP. DESIGN STRUCTURE FOR WEIGHT OF UNIT AND CURB. DESIGN TO SPAN TRUSSES

3 ROOF SECTION

3/4" = 1'-0"

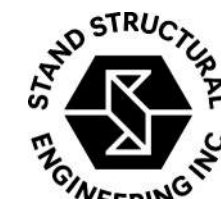


PLAN NOTES:

- EXISTING ROOF TRUSS TO REMAIN
- EXISTING FRONT SIGN STRUCTURE TO REMAIN
- FRAME ALL MEP EQUIPMENT IN ATTIC SPACE W/ (2) 2x4 ON ALL SIDE. FASTEN W/ SIMPSON LUS24-2 EA END, RE: 3/S2
- HOOD SUPPORT, RE: 4/S2
- NOT USED
- PROVIDE SIMPSON BA3 56/11.88 HANGER EA END OF HEADER. PROVIDE 2-PLY SOLID BLOCKING AT HANGER LOCATION. FASTEN PER MFCR W/ (14) 16d
- SHEATH ENTIRE INSIDE FACE OF WALL W/ 7/16" OSB SHEATHING. FASTEN W/ 8d @ 6" EDGE SPACING AND 12" IN THE FIELD
- ROOF HATCH, RE: ARCH

SHEET NOTES:

- A. REFERENCE SHEET S00x FOR STRUCTURAL GENERAL NOTES. REVIEW NOTES & DETAILS FOR APPLICABILITY.
- B. SEE ARCHITECTURAL DRAWING FOR DETAILS & DIMENSIONS NOT SHOWN.
- C. REFER TO S0xx FOR TYPICAL FRAMING DETAILS.
- D. CONTRACTOR TO FIELD VERIFY STRUCTURE AND NOTIFY ARCH / ENGINEER OF ANY DISCREPANCIES.
- E. TRUSS REINFORCEMENT IS NOTED ON PLAN AS "T#". REFER TO CORRESPONDING REINFORCEMENT DETAILS ON S4.
- F. CONTRACTOR TO SUFFICIENTLY SHORE TRUSSES AND INSTALL ALL REINFORCEMENT PRIOR TO ANY DEMO.



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West Conway

Store No.: 5356

2885 Prince Street
Conway AR 72034

Issue Record:
05/02/2024 PERMIT ISSUE

Revisions:
3. 09/27/24 CB.03

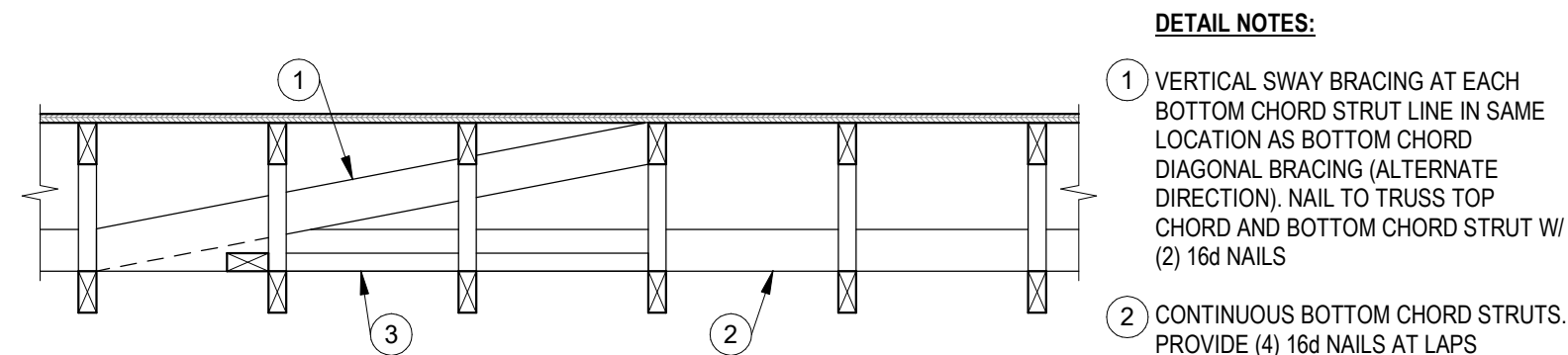
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24019

ROOF FRAMING
PLAN

S2

1 ROOF FRAMING PLAN

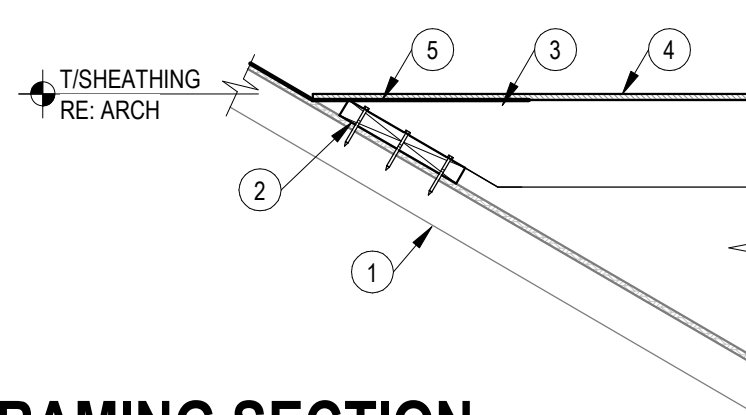
1/4" = 1'-0"



NOTES:
A. ALL BRACING TO BE MINIMUM 2x4 AND NAILED TO EACH TRUSS.
B. DIAGONAL AND SWAY BRACING TO BE PLACED AT APPROXIMATELY 45° ANGLES.
C. WHERE TRUSS FRAMING CHANGES DIRECTION, EXTEND STRUTS TO BOTTOM CHORD OF PERPENDICULAR TRUSSES. THESE TRUSSES ARE CONSIDERED A BRACING LOCATION.

5 TYPICAL TRUSS BRACING DETAIL

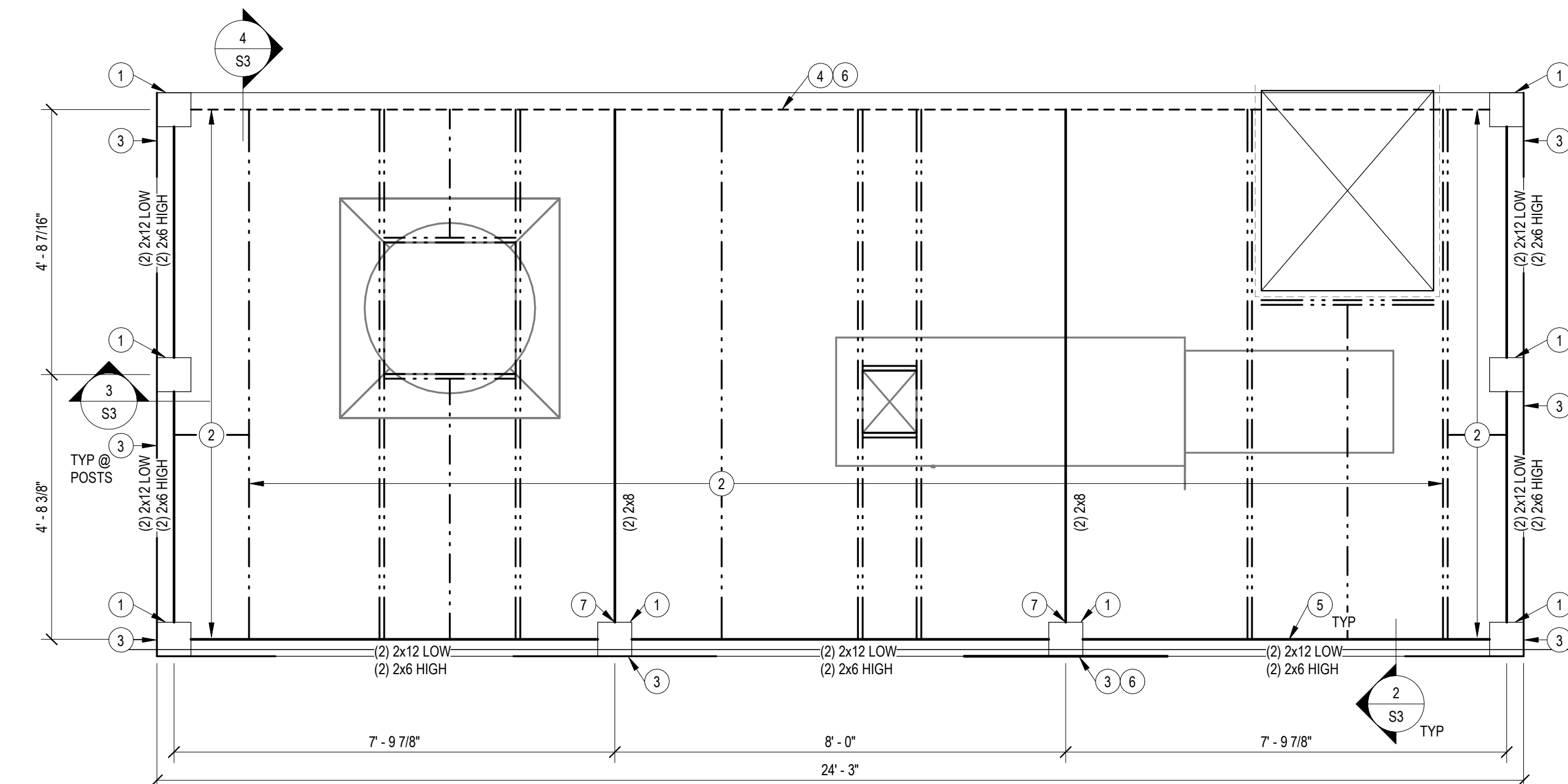
3/4" = 1'-0"



- DETAIL NOTES:**
- EXISTING ROOF STRUCTURE
 - CONT TREATED LEDGER, RE: PLAN
 - WOOD JOISTS W/ HANGERS, RE: PLAN
 - SHEATHING, RE: GENERAL NOTES
 - PROVIDE SIMPSON LSTA STRAP @ EA JOIST. EXTEND 18" EA ONTO JOIST AND 18" ONTO ROOF

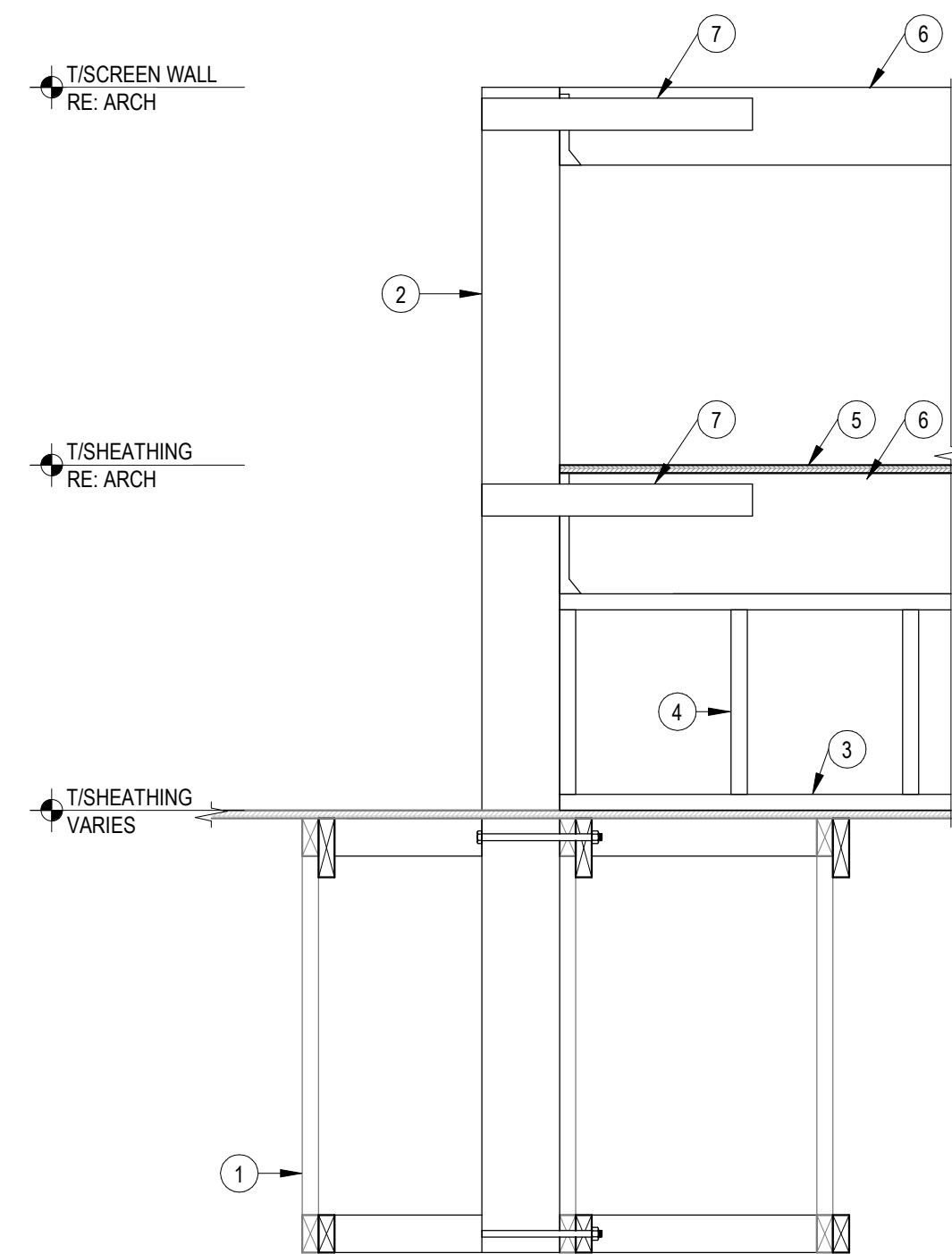
4 FRAMING SECTION

3/4" = 1'-0"



1 ROOF PLATFORM FRAMING PLAN

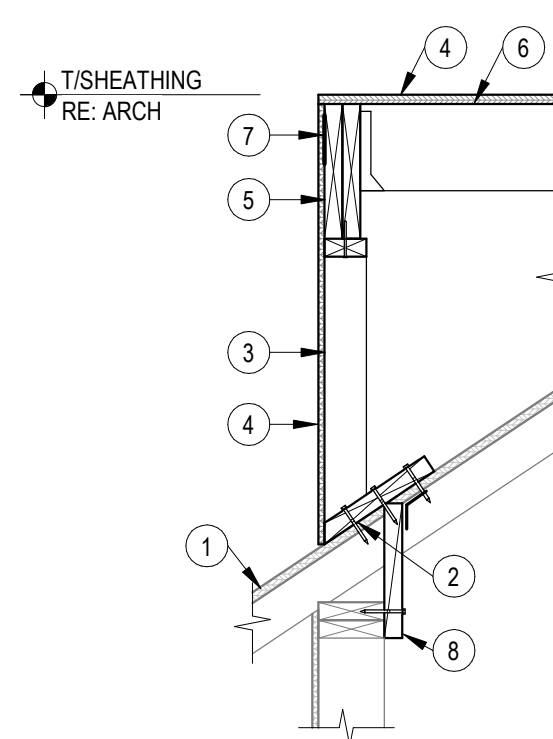
1/2" = 1'-0"



- DETAIL NOTES:**
- EXISTING ROOF STRUCTURE, RE: PLAN
 - WOOD POST, RE: PLAN. FASTEN W/ 5/8" Ø THROUGH BOLTS @ TOP AND BOTTOM CHORD LOCATIONS
 - CONT TREATED 2x6, RE: 2/S3
 - 2x4 STUDS @ 16" OC, RE: 2/S3
 - SHEATHING, RE: GENERAL NOTES. WALL SHEATHING NOT SHOWN FOR CLARITY
 - CONT WOOD BEAM HIGH & LOW W/ HANGERS, RE: PLAN
 - METAL STRAP AROUND POST HIGH & LOW, RE: PLAN

3 FRAMING SECTION

3/4" = 1'-0"



- DETAIL NOTES:**
- EXISTING ROOF STRUCTURE, RE: PLAN
 - CONT TREATED 2x12. FASTEN TO ROOF SHEATHING W/ (3) 1/4" Ø x 3 1/2" SDS SCREWS @ 16" OC
 - 2x4 STUDS @ 16" OC. PROVIDE CONT SINGLE TOP PLATE AND FASTEN TOP PLATE W/ 12d @ 12" OC
 - SHEATHING, RE: GENERAL NOTES
 - CONT WOOD BEAM, RE: PLAN
 - WOOD JOIST W/ HANGERS, RE: PLAN. CONTRACTOR TO TAPER JOIST TO 1/8" PER FOOT SLOPE OR PROVIDE SLEEPERS
 - METAL STRAP AROUND POST, RE: PLAN
 - PROVIDE 2x12 BLOCKING FROM WALL TOP PLATE TO UNDERSIDE OF SHEATHING BETWEEN EA TRUSS. FASTEN BOTTOM W/ 16d @ 12" OC. FASTEN TOP W/ SIMPSON A34 EA SIDE

2 FRAMING SECTION

3/4" = 1'-0"

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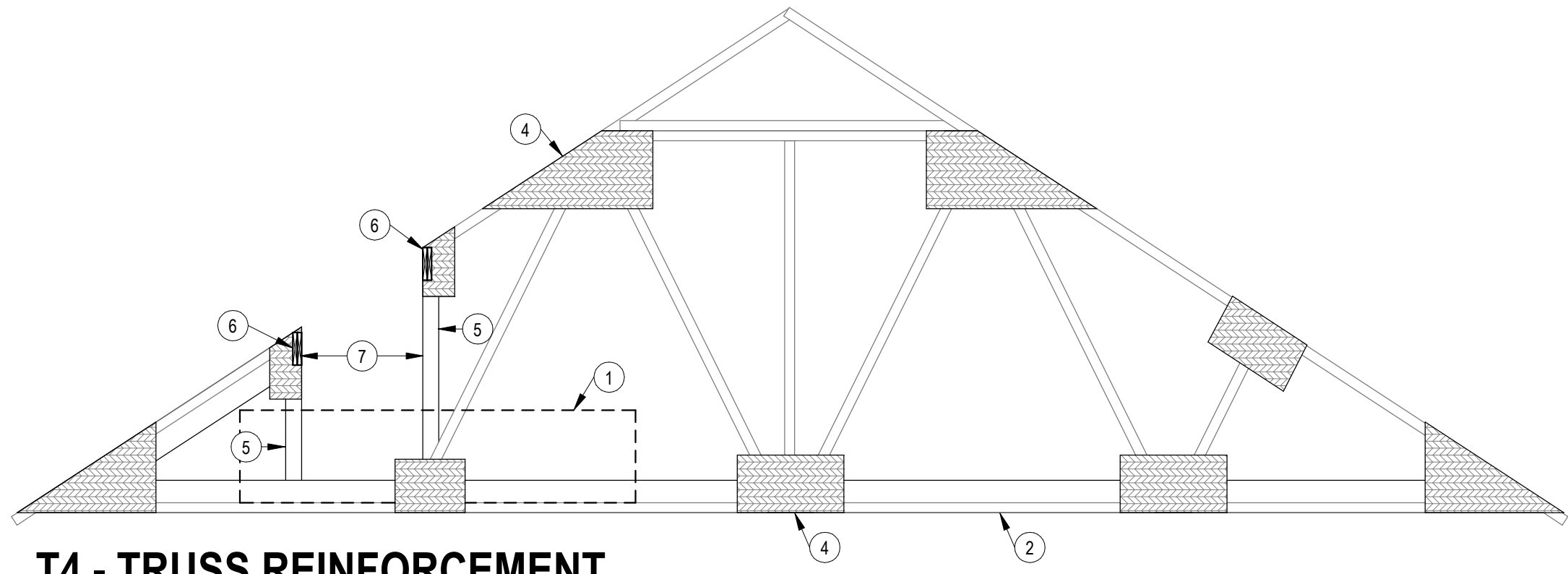
ROOF PLATFORM
FRAMING PLAN
AND SECTIONS

1 S3

4

T4 - TRUSS REINFORCEMENT

1/4" = 1'-0"



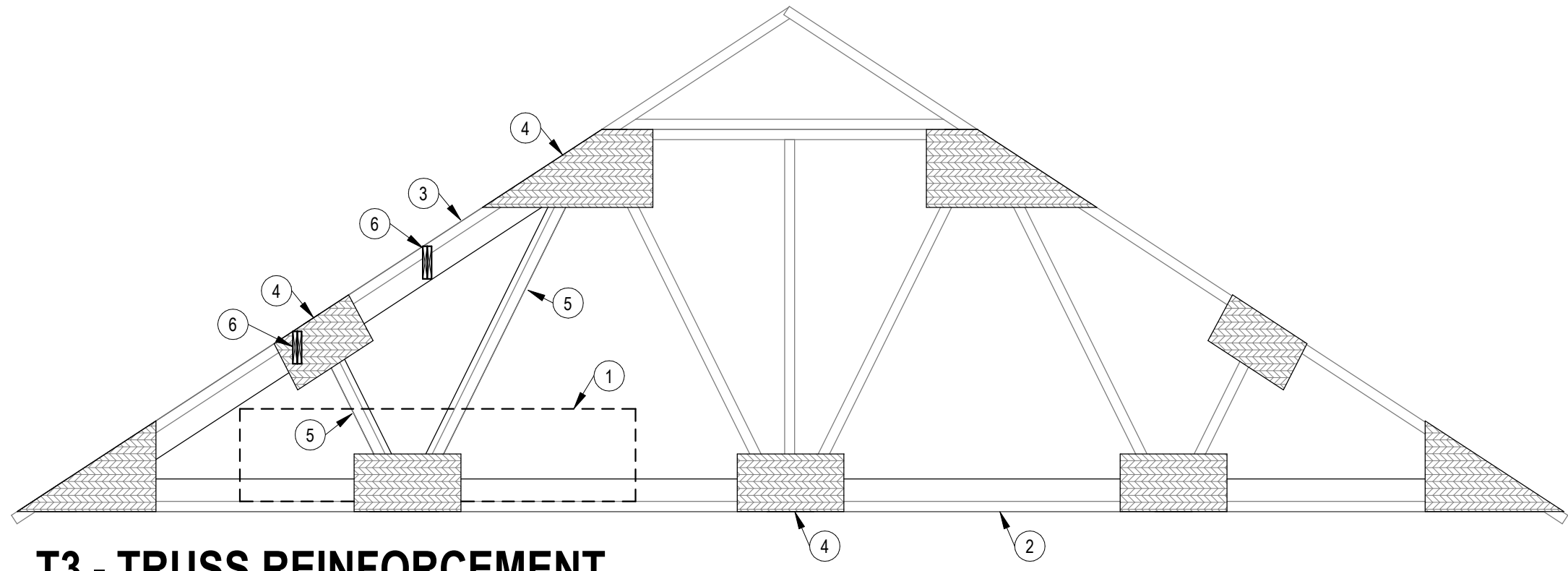
DETAIL NOTES:

- 1 MEP EQUIPMENT, RE: PLAN, ORIENT TRUSS REINFORCING PLAN PER WHAT SIDE THE MEP EQUIPMENT IS ON
- 2 REINFORCE EXISTING BOTTOM CHORD FULL LENGTH W/ NEW 11 7/8" LVL. FASTEN W/ (2) 1/4"x3 1/2" SDS SCREWS @ 12" OC AND (12) 1/4"x3 1/2" SDS SCREWS @ EA END. STAGGER SPLICES FROM EXISTING SPLICE LOCATIONS. AT SPLICES PROVIDE SIMPSON LST173 STRAP
- 3 REINFORCE EXISTING TOP CHORD BELOW ROOF HATCH W/ NEW 11 7/8" LVL. FASTEN W/ (2) 1/4"x3 1/2" SDS SCREWS @ 6" OC AND (12) 1/4"x3 1/2" SDS SCREWS @ EA END. STAGGER SPLICES FROM EXISTING SPLICE LOCATIONS. AT SPLICES PROVIDE SIMPSON LST173 STRAP
- 4 REINFORCE ALL PANEL POINTS ON LOWER TRUSS W/ 3/4" OSB GUSSET ON OPPOSITE SIDE OF CHORD REINFORCEMENT. FASTEN W/ (20) 1/4"x3 1/2" SDS SCREWS NAILS TO EACH TRUSS MEMBER. SIZE PLYWOOD IN FIELD AS NEEDED SO AS TO LOCATE NEW NAILING PATTERNS BEYOND THE EDGES OF THE EXISTING NAIL PLATE
- 5 INSTALL NEW 2x6 VERT EA SIDE OF ROOF HATCH. CUT TIGHT AND FASTEN W/ OSB GUSSET PER NOTE 4
- 6 HEADER MEMBER, RE: PLAN. PROVIDE SOLID BLOCKING IN WEB AT LOCATION AS REQD FOR HANGER ATTACHMENT
- 7 CONTRACTOR TO SUFFICIENTLY SHORE TRUSS AND PERFORM ALL REINFORCEMENT AND ATTACHMENT TO ADJACENT TRUSSES PRIOR TO DEMO OF TOP CHORD AND WEB MEMBER

3

T3 - TRUSS REINFORCEMENT

1/4" = 1'-0"



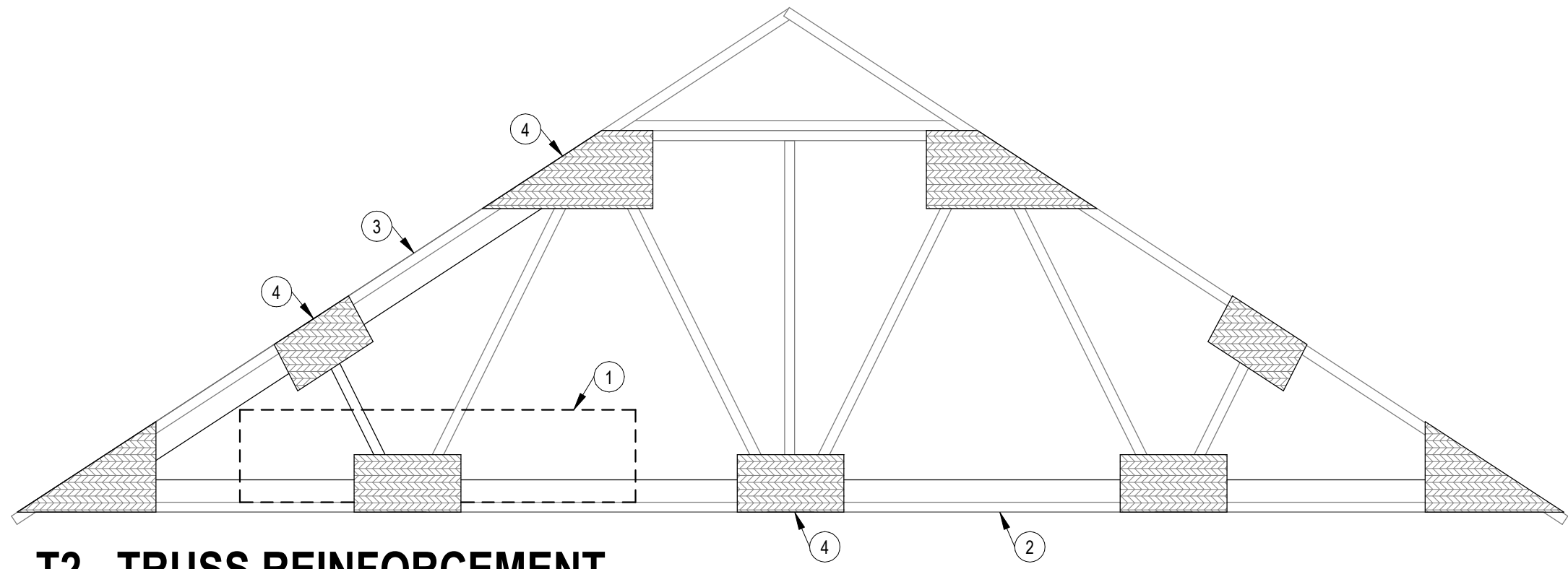
DETAIL NOTES:

- 1 MEP EQUIPMENT, RE: PLAN, ORIENT TRUSS REINFORCING PLAN PER WHAT SIDE THE MEP EQUIPMENT IS ON
- 2 REINFORCE EXISTING BOTTOM CHORD FULL LENGTH W/ NEW 11 7/8" LVL. FASTEN W/ (2) 1/4"x3 1/2" SDS SCREWS @ 12" OC AND (12) 1/4"x3 1/2" SDS SCREWS @ EA END. STAGGER SPLICES FROM EXISTING SPLICE LOCATIONS. AT SPLICES PROVIDE SIMPSON LST173 STRAP
- 3 REINFORCE EXISTING TOP CHORD FULL LENGTH W/ NEW 11 7/8" LVL. FASTEN W/ (2) 1/4"x3 1/2" SDS SCREWS @ 12" OC AND (20) 1/4"x3 1/2" SDS SCREWS @ EA END. STAGGER SPLICES FROM EXISTING SPLICE LOCATIONS. AT SPLICES PROVIDE SIMPSON LST173 STRAP
- 4 REINFORCE ALL PANEL POINTS ON LOWER TRUSS W/ 3/4" OSB GUSSET ON OPPOSITE SIDE OF CHORD REINFORCEMENT. FASTEN W/ (40) 1/4"x3 1/2" SDS SCREWS NAILS TO EACH TRUSS MEMBER. SIZE PLYWOOD IN FIELD AS NEEDED SO AS TO LOCATE NEW NAILING PATTERNS BEYOND THE EDGES OF THE EXISTING NAIL PLATE
- 5 REINFORCE EXISTING WEB FULL LENGTH W/ NEW 2x8. FASTEN W/ (2) 10d @ 12" OC AND (8) 10d @ EA END. STAGGER SPLICES FROM EXISTING SPLICE LOCATIONS
- 6 HEADER MEMBER, RE: PLAN. PROVIDE SOLID BLOCKING IN WEB AT LOCATION AS REQD FOR HANGER ATTACHMENT

2

T2 - TRUSS REINFORCEMENT

1/4" = 1'-0"



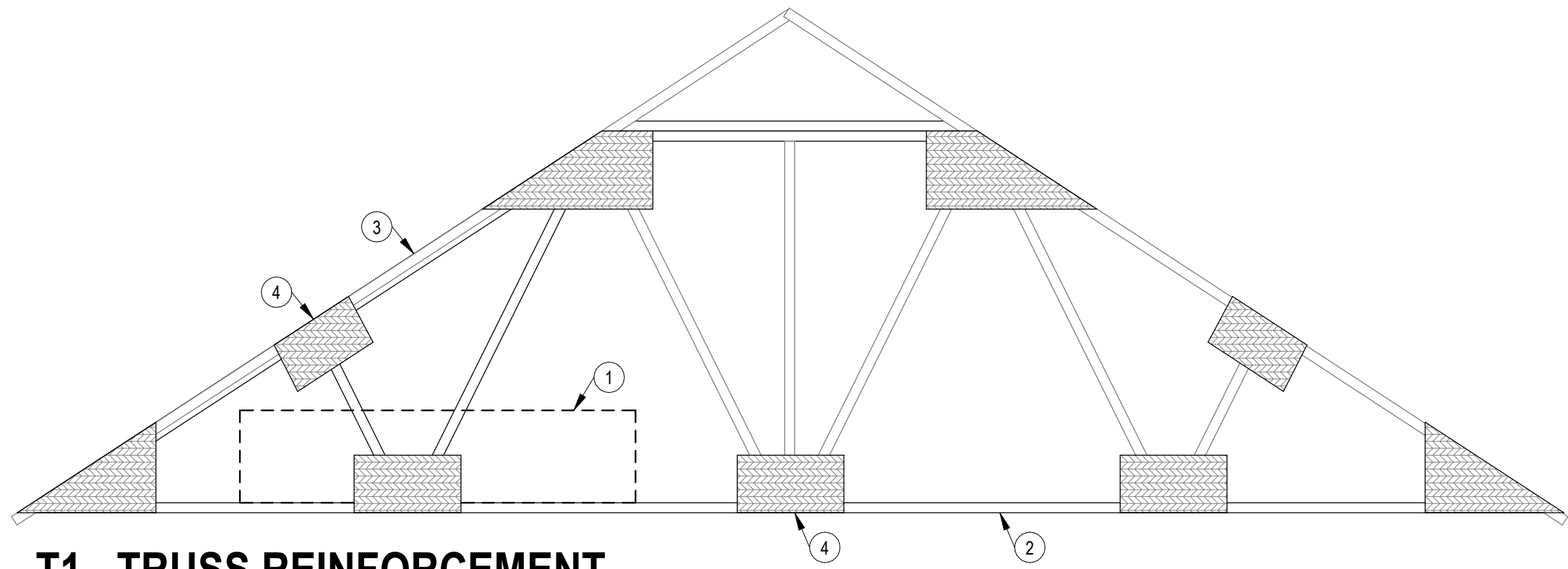
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- 2 REINFORCE EXISTING BOTTOM CHORD FULL LENGTH W/ NEW 11 7/8" LVL. FASTEN W/ (2) 1/4"x3 1/2" SDS SCREWS @ 12" OC AND (20) 1/4"x3 1/2" SDS SCREWS @ EA END. STAGGER SPLICES FROM EXISTING SPLICE LOCATIONS. AT SPLICES PROVIDE SIMPSON LST173 STRAP
- 3 REINFORCE EXISTING TOP CHORD FULL LENGTH W/ NEW 11 7/8" LVL. FASTEN W/ (2) 1/4"x3 1/2" SDS SCREWS @ 12" OC AND (20) 1/4"x3 1/2" SDS SCREWS @ EA END. STAGGER SPLICES FROM EXISTING SPLICE LOCATIONS. AT SPLICES PROVIDE SIMPSON LST173 STRAP
- 4 REINFORCE ALL PANEL POINTS ON LOWER TRUSS W/ 3/4" OSB GUSSET ON OPPOSITE SIDE OF CHORD REINFORCEMENT. FASTEN W/ (18) 10d NAILS TO EACH TRUSS MEMBER. SIZE PLYWOOD IN FIELD AS NEEDED SO AS TO LOCATE NEW NAILING PATTERNS BEYOND THE EDGES OF THE EXISTING NAIL PLATE

1

T1 - TRUSS REINFORCEMENT

1/4" = 1'-0"



DETAIL NOTES:

- 1 MEP EQUIPMENT, RE: PLAN, ORIENT TRUSS REINFORCING PLAN PER WHAT SIDE THE MEP EQUIPMENT IS ON
- 2 REINFORCE EXISTING BOTTOM CHORD FULL LENGTH W/ NEW 2x4. FASTEN W/ (2) 10d @ 8" OC AND (8) 10d @ EA END. STAGGER SPLICES FROM EXISTING SPLICE LOCATIONS. AT SPLICES PROVIDE SIMPSON LST173 STRAP
- 3 REINFORCE EXISTING TOP CHORD FULL LENGTH W/ NEW 2x6. FASTEN W/ (2) 10d @ 8" OC AND (12) 10d @ EA END. STAGGER SPLICES FROM EXISTING SPLICE LOCATIONS. AT SPLICES PROVIDE SIMPSON LST173 STRAP
- 4 REINFORCE ALL PANEL POINTS ON LOWER TRUSS W/ 3/4" OSB GUSSET ON OPPOSITE SIDE OF CHORD REINFORCEMENT. FASTEN W/ (20) 10d NAILS TO EACH TRUSS MEMBER. SIZE PLYWOOD IN FIELD AS NEEDED SO AS TO LOCATE NEW NAILING PATTERNS BEYOND THE EDGES OF THE EXISTING NAIL PLATE



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Revisions:

09/27/24 CB.03

STAND Project No.

24019

TRUSS
REINFORCEMENT
DETAILS

1
S4

SECTION 15732 - PACKAGED ROOFTOP AIR-CONDITIONING UNITS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data and Shop Drawings.
- B. Comply with ASHRAE 15.
- C. EER: Equal to or greater than prescribed by the energy code adopted by the Authority Having Jurisdiction.
- D. Warranties: Submit a written warranty, signed by the manufacturer, agreeing to the repair or replacement of components that fail within 5 years of Substantial Completion.

PART 2 - PRODUCTS

2.1 PACKAGED UNITS, 5 TO 20 TONS

- A. Factory assembled and tested, consisting of compressors, condensers, evaporator coils, condenser and evaporator fans, refrigeration and temperature controls, filters, and dampers.
 - 1. Refer to Rooftop Heating/Cooling Unit Schedule on drawing M600 for capacities, and manufacturers.
 - 2. Evaporator Fans: Belt or direct driven, forward curved centrifugal.
 - 3. Exhaust/Relief Fans: Direct drive, forward curved centrifugal or propeller.
 - 4. Condenser Fans: Direct drive propeller.
 - 5. Refrigerant Coils: Aluminum fins and copper coil.
 - 6. Compressors: Serviceable hermetic or fully hermetic, with safety controls, hot gas bypass, and timed off controls.
 - 7. Heat Exchangers: Gas fired, with gas controls, electronic ignition, high limit cutout, and forced draft proving switch.
 - 8. Economizer controls (Comparative Enthalpy, 100% capacity).
 - 9. Smoke Detectors: Photoelectric in supply and/or return as called for in schedule on sheet M600.
 - 10. Operating Controls: Two stage heating and two stage cooling on units 7-1/2 tons and over.
 - 11. Roof curb.
 - 12. Control Wiring from T-stat to rooftop unit: Shall be 18ga / 7 conductor, rated for plenum applications.
 - 13. Control Wiring from T-stat to remote sensor: Shall be a separate 18ga / 2 conductor shielded, rated for plenum applications.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install units level and plumb and firmly anchored.
- B. Connect gas piping to burner with pipe same size as gas train inlet, and provide union with sufficient clearance for burner removal and service.
- C. Install ducts to termination in roof mounting frames. Terminate ducts through roof structure.
- D. Connect units to wiring systems and to ground.

END OF SECTION 15732

SECTION 15810 - DUCTS AND ACCESSORIES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: Product Data for fire and smoke dampers.
- B. Comply with NFPA 90A for systems serving spaces more than 25,000 cu. ft. in volume or building Types II, IV, and V construction more than 3 stories in height.
- C. Comply with NFPA 90B for systems serving spaces in 1 or 2 family dwellings or serving spaces less than 25,000 cu. ft..
- D. Comply with NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations," for kitchen hood ducts.
- E. Comply with UL 181 and UL 181A for ducts and closures.
- F. Testing, Adjusting, and Balancing Agency Qualifications: AABC certified (to be furnished by Tenant).

PART 2 - PRODUCTS

2.1 DUCTS

- A. Spiral Duct: Spiral Lock Seam, without insulation, G90 galvanized finish, ASTM A-653/924
 - 1. Basis of Design Manufacturers: Lindab SPIROsafe, alternates to the basis of design must be submitted for review.
 - 2. Fittings: Factory produced standing seam construction with internal sealing. Fittings with a major axis of 36" or smaller shall be 20 gauge. Fittings with a major axis of 37"-48" shall be 18 gauge.
- B. Galvanized Steel Sheet: Forming steel, ASTM A 653/653M, G90 coating designation.
- C. Duct Liner: ASTM C 1071, Type II, with an airstream surface coated with a temperature resistant coating. Thickness: 1-1/2 inch. R-value : 8.
 - 1. Adhesive: ASTM C 916, Type I.
 - 2. Mechanical Fasteners: Galvanized steel pin, length as required to penetrate liner plus a 1/8 inch projection maximum into the airstream.
- D. Joint and Seam Tape: Comply with UL 181A.
- E. Joint and Seam Sealant: Comply with UL 181A.
- F. Rectangular Metal Duct Fabrication: Comply with SMACNA's "HVAC Duct Construction Standard" for metal thickness, reinforcing types and intervals, tie rod applications, and joint types and intervals.

2.2 ACCESSORIES

- A. Volume-Control Dampers: Factory fabricated volume control dampers, complete with required hardware and accessories. Single blade and multiple opposed blade, standard leakage rating, and suitable for horizontal or vertical applications.
- B. Fire Dampers: Factory-fabricated fire dampers, complete with required hardware and accessories. UL labeled according to UL 555, "Fire Dampers".
- C. Flexible Connectors: Flame retardant or noncombustible fabrics, coatings, and adhesives complying with UL 181, Class 1.
- D. Flexible Ducts: Factory fabricated, insulated, round duct, with an outer jacket enclosing 2 inch thick, glass fiber insulation, R-value: 6.0, around a continuous inner liner.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Duct System Pressure Class: Construct and install each duct system with 2 inch positive and negative duct pressure classifications.
- B. Conceal ducts from view in finished and occupied spaces. Except where noted as exposed.
- C. Avoid passing through electrical equipment spaces and enclosures.
- D. Support and connect metal ducts according to SMACNA's "HVAC Duct Construction Standard".
- E. Install duct accessories according to applicable portions of details of construction as shown in SMACNA standards.
- F. Install liner and/or insulation on ductwork per the material schedule on sheet M010.
- G. Install volume control dampers in lined duct with methods to avoid damage to liner and to avoid erosion of duct duct liner.
- H. Install fire and smoke dampers according to manufacturer's UL approved written instructions.
- I. Install fusible links in fire dampers.
- J. Provide saddle taps at tees for exposed ductwork.

3.2 TESTING, ADJUSTING, AND BALANCING

- A. The Tenant will supply an independent balance agent to to balance and adjust the HVAC installation. The balance agent will be responsible for any pulley or belt changes required.
- B. The GC is to have trained staffed available during the balancing to correct issues noted by the balance agent.
- C. The balance agent is to balance airflow within distribution systems, including submains, branches, and terminals to indicated quantities +/- 10%. The hood exhaust system shall be balanced to a tolerance of -0+10% and the make-up air system to a tolerance of -10+0%.
- D. The balance agent is to supply a copy of the balance report to the Tenant, engineer and general contractor for review.

END OF SECTION 15810

SECTION 15855 - DIFFUSERS, REGISTERS, AND GRILLES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: None.

PART 2 - PRODUCTS

2.1 OUTLETS AND INLETS

- A. All air terminal devices:
 - 1. Refer to Grills, Registers, and Diffusers Schedule for equipment schedule
 - 2. Manufacturer: As scheduled (NO SUBSTITUTIONS)
 - 3. Material: As scheduled.
 - 4. Finish: As scheduled.
 - 5. Mounting: As scheduled.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Coordinate location and installation with duct installation and installation of other ceiling and wall mounted items.
- B. Locate ceiling diffusers, registers, and grilles, as indicated on the architectural "reflected ceiling plans." Unless otherwise indicated, locate units in center of acoustical ceiling panels.

END OF SECTION 15855

HVAC GENERAL NOTES

- A. GENERAL NOTES APPLY TO HVAC SHEETS.
- B. WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE AUTHORITY HAVING JURISDICTION, INCLUDING APPLICABLE SECTIONS OF NFPA, THE MECHANICAL CODE, AND ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE PERMITS ASSOCIATED WITH THE WORK. OBTAIN INSPECTIONS REQUIRED BY CODE. SEE ARCHITECTURAL SHEETS FOR THE PREVAILING CODES.
- C. CONTRACTOR AND SUBCONTRACTORS SHALL REVIEW A COMPLETE SET OF THE CONSTRUCTION DOCUMENTS.
- D. COORDINATE WORK WITH THE WORK OF OTHER TRADES, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND OF THE EXISTING CONDITIONS AT THE PROJECT SITE.
- E. DRAWINGS FOR THE MECHANICAL WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWING SHALL NOT BE SCALED FOR EXACT MEASUREMENTS, REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, OFFSETS, ACCESSORIES, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- F. DUCT DIMENSIONS ON PLANS INDICATE DIMENSIONS OF INTERNAL FREE AREA.
- G. PERFORATED CEILING DIFFUSERS SHALL BE 4-WAY UNLESS NOTED OTHERWISE.
- H. COORDINATE ROOF WORK WITH THE OWNER'S CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION.
- I. UNLESS NOTED OTHERWISE RECTANGULAR DUCT ELBOWS GREATER THAN 45° SHALL BE MITERED ELBOWS WITH DOUBLE-THICKNESS TURNING VANES AND RECTANGULAR DUCT ELBOWS 45° OR LESS SHALL BE RADIUSED ELBOWS WITH AN INSIDE RADIUS OF AT LEAST 1/2 THE WIDTH OF THE DUCT.
- J. REPLACE AIR FILTERS WITH NEW, CLEAN MERV 8 AIR FILTERS AT TURNOVER.
- K. THE TERM "FURNISH" MEANS SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. THE TERM "INSTALL" DESCRIBES THE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
- L. INSTALL LABELING CALLED FOR IN THE HVAC DRAWINGS USING ENGRAVED PHENOLIC PLATES (WHITE WITH BLACK LETTERING).
- M. PROVIDE P3000 12 GA. UNISTRUT WITH PG FINISH FOR DUCT SUPPORTS AND OTHER UNISTRUT IN AREAS EXPOSED TO VIEW. SLOTTED UNISTRUT AND OTHER UNISTRUT WITH HOLES IS NOT ACCEPTABLE.

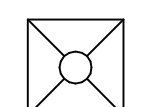
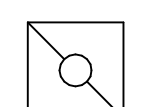
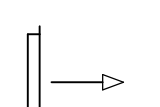
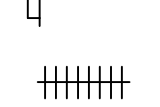
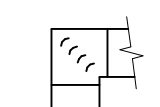
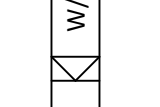
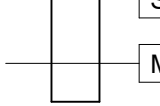
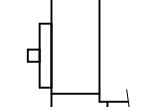
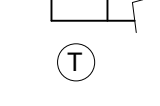
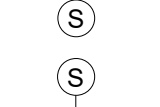
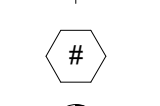
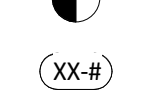
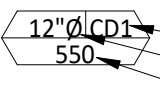
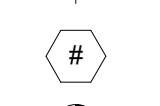
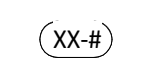
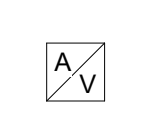
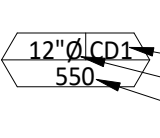
HVAC MATERIAL SCHEDULE		
	APPLICATION	ALLOWABLE MATERIAL
DUCT		
	CONCEALED, GENERAL EXHAUST	RECT. OR ROUND AS SHOWN
	CONCEALED, RETURN	RECT. OR ROUND AS SHOWN, LINED OR INSULATED
	CONCEALED, SUPPLY	RECT. OR ROUND AS SHOWN, LINED OR INSULATED
	CONCEALED, TYPE I HOOD EXHAUST	RECTANGULAR 16 GA. BLACK IRON W/ WRAP OR UL 1978 FACTORY-MANUFACTURED DUCT W/ WRAP (SUBMIT SHOP DRAWINGS FOR FACTORY-MANUFACTURED DUCT PRIOR TO ORDERING FOR APPROVAL)
	EXPOSED GENERAL EXHAUST	RECTANGULAR, NO EXPOSED DUCT-SEALING MASTIC
	EXPOSED RETURN	RECTANGULAR, NO EXPOSED DUCT-SEALING MASTIC
	EXPOSED SUPPLY	RECT. LINED OR ROUND AS SHOWN, NO EXPOSED DUCT-SEALING MASTIC

HVAC ABBREVIATIONS

- (E) EXISTING
- ABV ABOVE
- ADA AMERICANS WITH DISABILITIES ACT
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AHJ AUTHORITY HAVING JURISDICTION
- BFF BELOW FINISHED FLOOR
- BFG BELOW FINISHED GRADE
- BOH BACK OF HOUSE
- CLG CEILING
- CTE CONNECT TO EXISTING
- DN DOWN
- EXG EXISTING
- FLR FLOOR
- FOH FRONT OF HOUSE
- GYP GYPSUM BOARD
- NTS NOT TO SCALE
- O/H OVERHEAD
- OBD OPPOSED BLADE DAMPER
- TYP TYPICAL
- U/G UNDERGROUND
- UNO UNLESS NOTED OTHERWISE
- VFD VARIABLE FREQUENCY DRIVE
- VSC VARIABLE SPEED CONTROLLER
- W/ WITH
- WIC WALK-IN COOLER

- C02AS TENANT'S CO2 ALARM SUPPLIER
- GC GENERAL CONTRACTOR
- HES TENANT'S HVAC EQUIPMENT SUPPLIER
- HS TENANT'S HOOD SUPPLIER
- KES TENANT'S KITCHEN EQUIPMENT SUPPLIER
- LL LANDLORD
- SPS TENANT'S SODA POP SUPPLIER
- TAB TENANT'S TEST AND BALANCE VENDOR
- TCC TENANT'S CABLING CONTRACTOR
- TDC TENANT'S DUCT CLEANER
- TEMS TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER
- TLS TENANT'S LIGHT/LAMP SUPPLIER
- TMB TENANT'S MENU BOARD SUPPLIER
- TMS TENANT'S MILLWORK SUPPLIER
- TP TENANT'S PHONE SUPPLIER
- TPS TENANT'S PANELBOARD SUPPLIER
- TRS TENANT'S RAILING SUPPLIER
- TSV TENANT'S SIGN VENDOR
- TUV TENANT'S UV SNAITIZER SUPPLIER
- WCS TENANT'S WALK-IN COOLER SUPPLIER
- WHS TENANT'S WATER HEATER SUPPLIER

HVAC SYMBOLS

-  CEILING DIFFUSER
-  CEILING-MOUNTED RETURN OR EXHAUST REGISTER
-  SUPPLY REGISTER
-  RETURN GRILLE
-  FLEXIBLE DUCT
-  MITERED CORNER WITH TURNING VANES
-  DUCTWORK INTERNAL FREE DIMENSIONS (WIDTH/HEIGHT)
-  RECTANGULAR TO ROUND DUCT TRANSITION
-  DUCT-MOUNTED SMOKE DETECTOR
-  MOTOR-OPERATED DAMPER
-  MANUAL VOLUME DAMPER
-  GREASE DUCT CLEANOUT
-  MITERED CORNER WITHOUT TURNING VANES
-  GRIDPOINT THERMOSTAT
-  GRIDPOINT ZONE SENSOR MODULE
-  GRIDPOINT SUPPLY PROBE
-  PLAN NOTE: SEE PLAN NOTES LISTED ON THE SAME SHEET FOR NOTE MEANING
-  CONNECT TO EXISTING
-  EQUIPMENT TAG: SEE EQUIPMENT SCHEDULE ON SHEET M600 FOR EQUIPMENT INFORMATION
-  AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET
-  GRILL, REGISTER, OR DIFFUSER TAG: TAG NECK SIZE AIRFLOW [CFM]

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Issue Record:	
05/29/2024	PERMIT ISSUE
09/06/2024	CONSTRUCTION ADDENDA

Revisions:

Drawn:	Checked:
IJD	AJD

Project No.
241001

Contents:

HVAC
SPECIFICATIONS

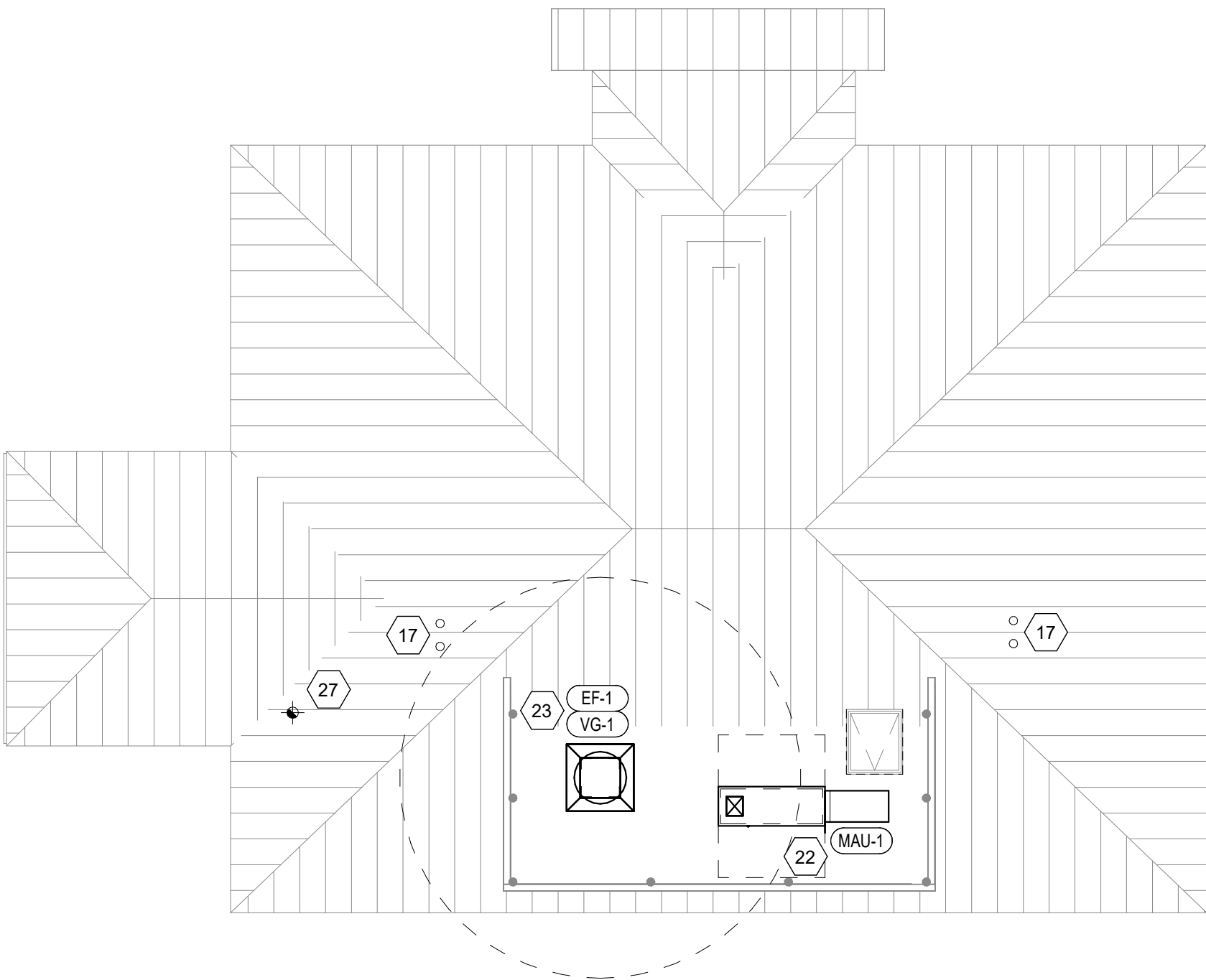
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HVAC PLAN NOTES

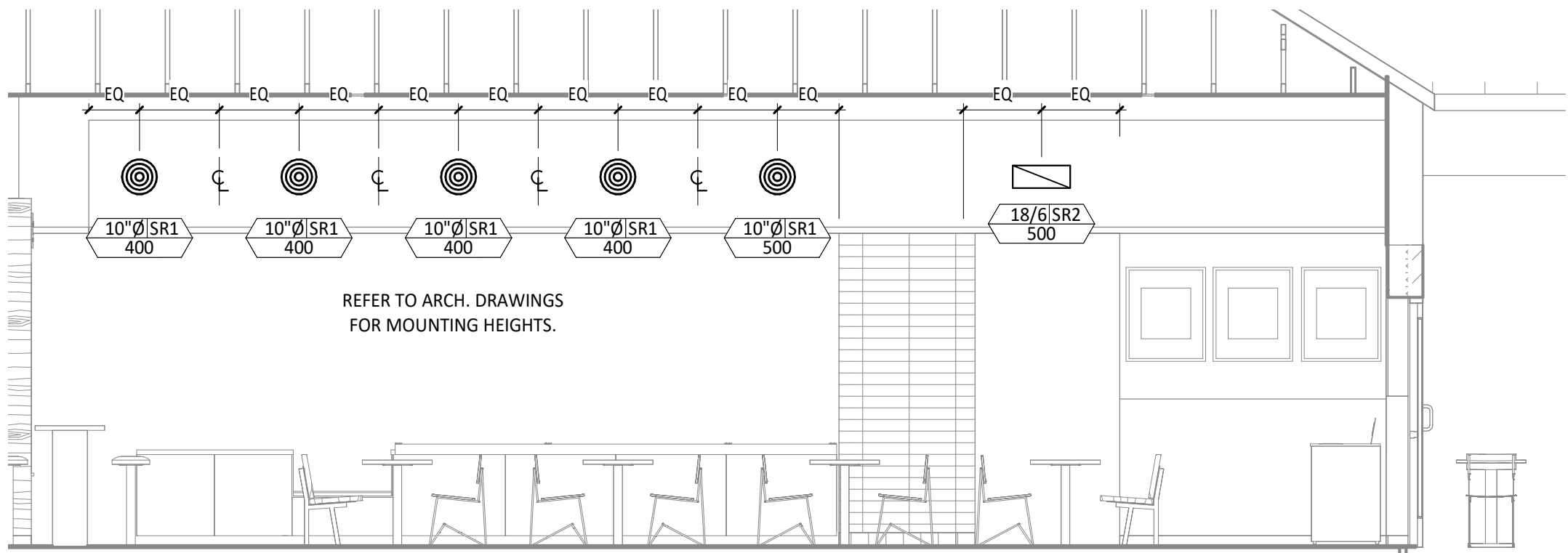
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR CEILING MOUNTED EQUIPMENT LOCATION. TYPICAL.
- PAINT DUCTWORK VISIBLE THROUGH DINING ROOM SUPPLY REGISTERS BLACK. TYPICAL.
- PENETRATIONS THROUGH SHEAR WALLS SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITHIN 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.
- 16/14 DUCT TRANSITION TO F2 RETURN CONNECTION. UNIT SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO F2 OPERATION. PROVIDE BALANCING DAMPER UPSTREAM OF RETURN CONNECTION.
- 16/14 DUCT TRANSITION TO F1 RETURN CONNECTION. UNIT SHALL HAVE AN INTEGRAL SMOKE DETECTOR MOUNTED IN THE RETURN AIR STREAM. INTERLOCK SMOKE DETECTOR TO F1 OPERATION. PROVIDE BALANCING DAMPER UPSTREAM OF RETURN CONNECTION.
- 16/16 DUCT FOR BUILDING SUPPLY. TRANSITION TO F2 SUPPLY CONNECTION AS NECESSARY.
- 16/16 DUCT FOR BUILDING SUPPLY. TRANSITION TO F1 SUPPLY CONNECTION AS NECESSARY.
- 14/14 DUCT UP THROUGH ROOF. TRANSITION TO MAU-1 SUPPLY CONNECTION IN ROOF CURB.
- 24/10 DUCT UP FROM HOOD THROUGH ROOF TO EF-1 COMPLIANT WITH NFPA 96. PROVIDE RADIUSSED ELBOWS WITH AN INSIDE RADIUS OF 0.5W AT ELBOWS IN GREASE DUCT.
- PROVIDE RESTROOM EXHAUST FAN MOUNTED PER MANUFACUTRER'S RECOMMENDATIONS. SEE SCHEDULE, SHEET M600, FOR MORE INFORMATION.
- 28/6 DUCT DOWN TO MAKEUP AIR PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL FOR 3.
- 8" DIA. DUCT DOWN TO AC PSP DUCT CONNECTION. TRANSITION TO SUPPLY PLENUM OPENING SIZE. TYPICAL. CAP UNUSED DUCT CONNECTIONS.
- INSTALL SINGLE-GANG VERTICAL J-BOX FOR (4) GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR F1'S & F2'S AT THIS LOCATION AT 48" AFF. COORDINATE WITH ELECTRICAL SWITCHING IN THIS AREA. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR F1 AT THIS LOCATION 72" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT ZONE SENSOR MODULE FURNISHED BY TEMS FOR F2 AT THIS LOCATION 66" AFF DIRECTLY TO WALL (NO JUNCTION BOX). COORDINATE LOCATION WITH EQUIPMENT. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS FOR SUPPLY DUCTWORK UPSTREAM FROM THE FIRST BRANCH CONNECTION. PROVIDE WIRING AS SHOWN IN DETAIL 8/E710.
- PROVIDE AND INSTALL CONCENTRIC VENT KIT FOR FURNACES PER MANUFACTURER'S RECOMMENDATIONS. LOCATE AS SHOWN.
- INSTALL REMOTE TEMPERATURE SENSOR FOR HOOD HD-1 AT THIS LOCATION 72" AFF. COORDINATE LOCATION WITH EQUIPMENT. PROVIDE (2) #18 G. THERMISTOR CABLE FROM TEMPERATURE SENSOR TO HOOD CONTROL PANEL.
- INSTALL KITCHEN HOOD, HD-1. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL HOOD ACCORDING TO THE REQUIREMENTS OF ITS LISTING, IN COMPLIANCE WITH NFPA 96, THE BUILDING CODE, AND AUTHORITIES HAVING JURISDICTION. HOOD SHALL HAVE AN INTEGRAL DUCT COLLAR TEMPERATURE SENSOR TO AUTOMATICALLY ENERGIZE THE EXHAUST AND MAKEUP AIR FANS IF COOKING TEMPERATURES ARE DETECTED. EXHAUST DUCT SYSTEM TO BE WELDED OR FACTORY-MANUFACTURED WATER AND AIR TIGHT. INSTALL CLEANOUTS PER CODE AND AS SHOWN. INSTALL HOOD PER DETAILS 2, 4, AND 9/M700. CHIPOTLE WILL PROVIDE AN INDEPENDENT TESTING AGENCY FOR TESTING THE INTEGRITY OF THE GREASE DUCT SYSTEM.

HVAC PLAN NOTES

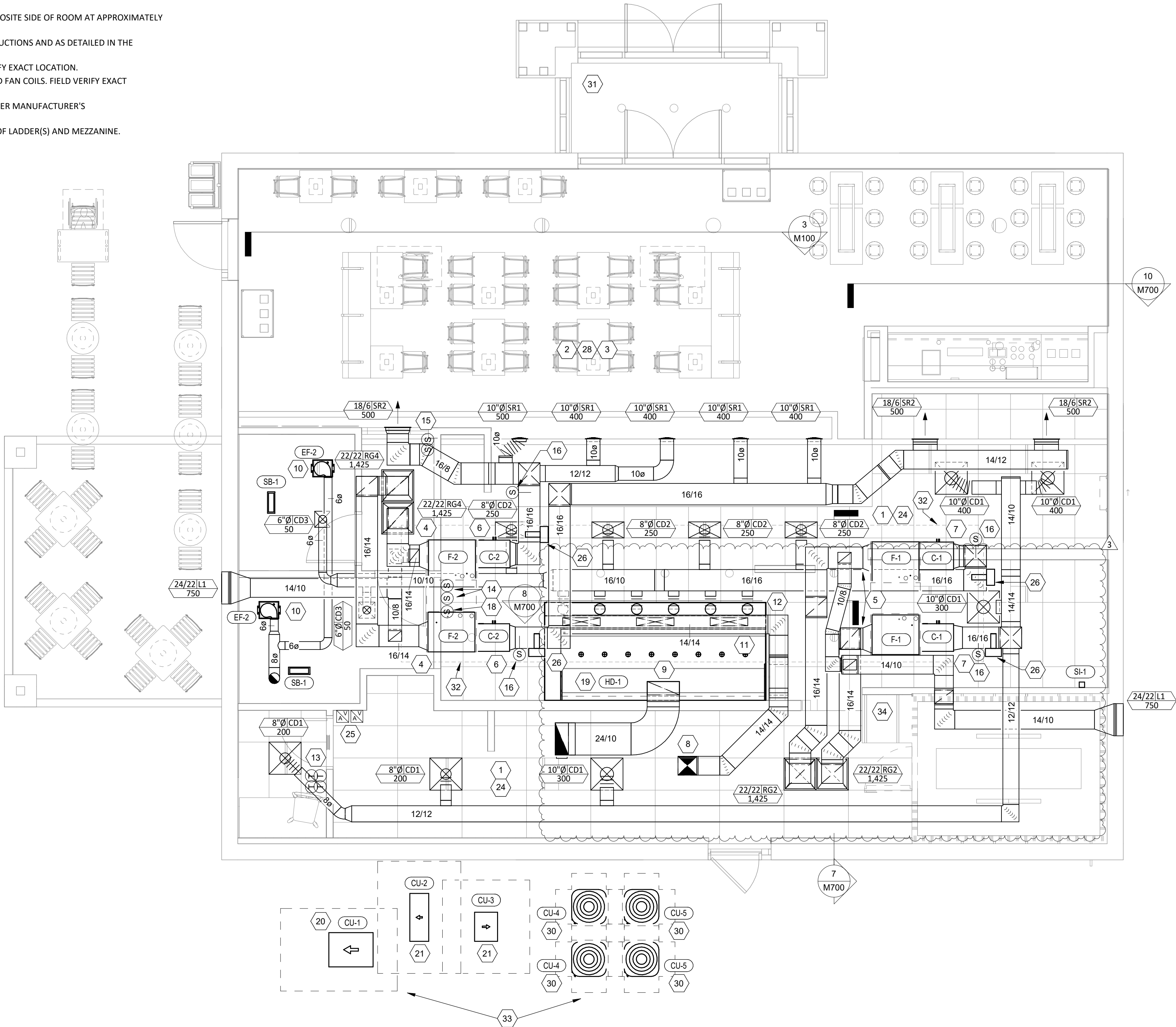
- INSTALL REMOTE CONDENSING UNIT FOR WALK-IN COOLER AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE CONDENSING UNIT. CUT 2-1/2" HOLE IN WALK-IN COOLER ROOF FOR REFRIGERANT LINE SET AND SEAL PER THE COOLER MANUFACTURER'S INSTALLATION INSTRUCTIONS AFTER LINE SET IS INSTALLED.
- INSTALL REMOTE CONDENSER FOR ICE MACHINE AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL REFRIGERANT LINE SET, THERMOSTATIC EXPANSION VALVE, SOLENOID VALVE, TEMPERATURE CONTROL, SIGHT GLASS, FILTER DRIER, PRESSURE CONTROL, LOW AMBIENT CONTROLS, AND WEATHERPROOF HOUSING. TRAP AND SLOPE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS. SEAL PIPING PENETRATIONS THROUGH ROOF. INSTALLATION SHALL COMPLY WITH ASHRAE/ANSI STANDARD 15. INSTALL THE REFRIGERANT LINE SET UNDER THE ROOF DECK TO WITHIN 3' OF THE REMOTE CONDENSER. IF REFRIGERANT PIPING TO ICE MAKER IS EXPOSED TO PUBLIC VIEW CONCEAL WITHIN A STAINLESS STEEL SHROUD AS SHOWN IN THE ARCHITECTURAL DRAWINGS.
- INSTALL ROOFTOP EQUIPMENT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- INSTALL EXHAUST FAN EF-1 PER DETAIL 5/M700 AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. INSTALL GREASE VIROGUARD SYSTEM FURNISHED BY CHIPOTLE ON EXHAUST FAN, EF-1.
- PROVIDE SUPPLY DIFFUSER CONNECTION TO SUPPLY SYSTEM PER DETAIL 1/M700. TYPICAL.
- PROVIDE AUDIO/VISUAL REMOTE SMOKE DETECTOR ANNUNCIATOR WITH REMOTE KEY OPERATED RESET. WIRE A UNIT BACK TO EACH SMOKE DETECTOR. MOUNT UNIT 60" AFF. TYPICAL.
- INSTALL REME HALO AIR PURIFIER FURNISHED BY TUV IN SUPPLY DUCT PER DETAIL 6/M700. SEE ELECTRICAL DRAWINGS FOR POWER CONNECTION INFORMATION. INSTALL UV WARNING STICKERS ON FACE OF ENCLOSURE PER DETAIL AND ON ANY UNIT ACCESS DOOR(S) THROUGH WHICH THE REME HALO WOULD BE VISIBLE IF OPENED.
- MAINTAIN 10' CLEARANCE BETWEEN FLUE TERMINATIONS AND EXHAUST DISCHARGES AND OUTSIDE AIR INTAKES.
- ADJUST SUPPLY REGISTERS SO THAT SUPPLY AIR HITS WALL ON OPPOSITE SIDE OF ROOM AT APPROXIMATELY 7' AFF WITH NO DRAFTS FELT IN THE DINING ROOM.
- INSTALL CONDENSERS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND AS DETAILED IN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- EXISTING ELECTRIC HEATER FOR VESTIBULE TO REMAIN. FIELD VERIFY EXACT LOCATION.
- EXISTING MEZZANINE TO BE RE-USED FOR INTERIOR FURNACES AND FAN COILS. FIELD VERIFY EXACT DIMENSIONS.
- EQUIPMENT IN THIS AREA IS TO BE MOUNTED ON CONCRETE PAD PER MANUFACTURER'S RECOMMENDATIONS.
- COORDINATE ROUTING OF ALL DUCTWORK IN THIS AREA WITH ROOF LADDER(S) AND MEZZANINE.



2 M100 HVAC ROOF PLAN 1/8" = 1'-0"



3 M100 HVAC DINING ROOM SECTION 1/4" = 1'-0"



1 M100 HVAC FLOOR PLAN 1/4" = 1'-0"

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Issue Record:
05/29/2024 PERMIT ISSUE
09/06/2024 CONSTRUCTION ADDENDA

Revisions:
3 09/27/24 CB 03

Drawn: IJD
Checked: AJD

Project No.
241001

Contents:

HVAC PLAN

M100

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HVAC SCHEDULES

M600

SANITIZING EQUIPMENT SCHEDULE

TAG	COUNT	DESCRIPTION	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	REMARKS
SB-1	2	BATHROOM AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	BRU ASSEMBLY	SEE ELECTRICAL SHEETS FOR CONNECTION INFORMATION
SH-1	4	HVAC AIR PURIFICATION UNIT	TUV	GC	RGF ENVIRONMENTAL GROUP	REME-HALO	SEE DETAIL 6/M700 FOR INSTALLATION INFORMATION.
SI-1	1	ICE MACHINE TREATMENT SYSTEM	TUV	GC	RGF ENVIRONMENTAL GROUP	IMS-B-GA	SEE PLUMBING DRAWINGS FOR INSTALLATION INFORMATION.

FAN SCHEDULE

TAG	DESCRIPTION	AIRFLOW	E.S.P.	WEIGHT	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
					MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
EF-1	UPBLAST UL762 EXHAUST FAN	2,550 CFM	1.20 in-wg	300 lb	2 hp	208/3/60	HS	GC	MAUFACTURER CAPTIVE-AIRE	MODEL DU180HFA	DIRECT DRIVE UL762 UPBLAST EXHAUST FAN FURNISHED WITH WEATHERPROOF DISCONNECT AND VENTED SLOPED ROOF CURB
EF-2	RESTROOM EXHAUST FAN	75 CFM	0.70 in-wg	20 lb		120/1	GC	GC	COOK	GC-148	FURNISH WITH MANUFACTURER'S STANDARD 8" ROOF CAP AND BACKDRIFT DAMPERS AT FANS AND ROOF CAP.

VIROGUARD SCHEDULE

TAG	COUNT	DESCRIPTION	DUCT CONNECTION SIZE	FAN	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN MANUFACTURER
VG-1	1	VIROGUARD HOOD EXHAUST FAN ROOFTOP CONTAINMENT SYSTEM	16" X 16"	CAPTIVE-AIRE DU180HFA	TDC	GC	ENVIROMATIC

CONDENSING UNIT SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY	NUMBER OF		REFRIGERANT		WEIGHT	ELECTRICAL			FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			COMPRESSORS	CIRCUITS	TYPE	CHARGE		MOCP	FLA	V/P/H			MANUFACTURER	MODEL	
CU-1	CONDENSING UNIT - WALK-IN COOLER		1	1	R-404A	10.4 lb	250 lb	15 A	9 A	208/3/60	WCS	GC	HARFORD	KPLC9M2OP-3E	FURNISHED WITH WALK-IN COOLER
CU-2	REMOTE CONDENSER - LOW CAPACITY ICE MAKER		0	1	R-404A	11.46 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-9FZ	FURNISHED WITH ICE MAKER
CU-3	REMOTE CONDENSER - SODA MACHINE ICE MAKER		0	1	R-404A	3.86 lb	100 lb			120/1/60	KES	GC	HOSHIZAKI	URC-5FZ	FURNISHED WITH ICE MAKER
CU-4	OUTDOOR UNIT (F-1 & C-1)	5 ton			PURON		250 lb	50 A	33 A	208/1/60	GC	GC	CARRIER	24SPA	PERFORMANCE SINGLE STAGE AIR CONDITIONER
CU-5	OUTDOOR UNIT (F-2 & C-2)	5 ton			PURON		250 lb	50 A	33 A	208/1/60	GC	GC	CARRIER	24SPA	PERFORMANCE SINGLE STAGE AIR CONDITIONER

MAKEUP AIR UNIT SCHEDULE

TAG	DESCRIPTION	AIRFLOW	E.S.P.	HEATING			WEIGHT	ELECTRICAL		FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
				INPUT	OUTPUT	EAT		MOTOR POWER	V/P/H			MANUFACTURER	MODEL	
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	1,300 CFM	0.50 in-wg	225,000 Btu/h	220,000 Btu/h	21 °F	650 lb	1 hp	208/3/60	HS	GC	CAPTIVE-AIRE	A1-D.250-15D	12.5:1 MAX TURNDOWN. FURNISHED WITH DISCONNECT, SLOPED ROOF CURB, SCREEN INTAKE, AND WASHABLE ALUMINUM FILTERS

KITCHEN HOOD SCHEDULE

TAG	DESCRIPTION	MAX COOKING TEMP.	EXHAUST PLENUM								PERFORATED SUPPLY PLENUMS								NO. OF LIGHT FIXTURES	WEIGHT	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
			AIRFLOW	E.S.P.	DUCT COLLARS			LENGTH	WIDTH	LENGTH	WIDTH	MAU PLENUM			AC PLENUM										
					NO.	WIDTH	LENGTH					AIRFLOW	NO.	DIAMETER											
															NO.	WIDTH	LENGTH	NO.					DIAMETER		
HD-1	TYPE I CANOPY HOOD WITH PERFORATED MAU AND AC SUPPLY PLENUMS	600°F	2,550 CFM	0.97 in-wg	1	10"	2' - 0"	12' - 9"	4' - 3"	13' - 9"	1' - 7"	1,300 CFM	3	6"	2' - 4"	700 CFM	6	8"	8	1,300 lb	HS	GC	CAPTIVE-AIRE	5424 ND-2-ACSP-F	MAT'L: 18 GA. TYPE 430 SS. FURNISHED WITH VERTICAL END PANELS, VAPORPROOF INCANDESCENT LIGHT FIXTURES, 16" TALL HE SS FILTERS, INTEGRAL UTILITY CABINET, KITCHEN EXHAUST SUPPRESSION SYSTEM, DUCT COILANT TEMPERATURE SENSOR, PREWIRE PACKAGE, SPARE FIRE SYSTEM DRY CONTACT, AND 4-POLE 20A CONTACTOR

FURNACE & COIL SCHEDULE

TAG	DESCRIPTION	NOMINAL CAPACITY	AIRFLOW		NET COOLING CAPACITY				HEATING CAPACITY				WEIGHT	ELECTRICAL			BASIS FOR DESIGN		REMARKS			
			TOTAL	OA	E.S.P. (IN. W.C.)	TOTAL (MBH)	EAT		COND. EAT	INPUT (BTU/h)	OUTPUT (BTU/h)	EAT		MOCP	MCA	V/P/H	MANUFACTURER	MODEL				
							SENSIBLE (MBH)	DB												WB		
C-1	INDOOR COIL	5 ton			0.8	52.2	43.1	75 °F	60 °F	96 °F				125 lb				CARRIER	CAPM	ALUMINUM EVAPORATOR COIL. GC TO PROVIDE DRAINPAN UNDER COIL AND/OR CONDENSATE OVERFLOW ALARM.		
C-2	INDOOR COIL	5 ton			0.8	52.2	43.1	75 °F	60 °F	96 °F				125 lb				CARRIER	CAPM	ALUMINUM EVAPORATOR COIL. GC TO PROVIDE DRAINPAN UNDER COIL AND/OR CONDENSATE OVERFLOW ALARM.		
F-1	FURNACE		1,800 CFM	375 CFM									80,000	78,000	60 °F	200 lb	15 A	13.1 A	120/1	CARRIER	595C	SINGLE STAGE GAS FURNACE
F-2	FURNACE		1,800 CFM	375 CFM									80,000	78,000	60 °F	200 lb	15 A	13.1 A	120/1	CARRIER	595C	SINGLE STAGE GAS FURNACE

CONTROL FUNCTIONS

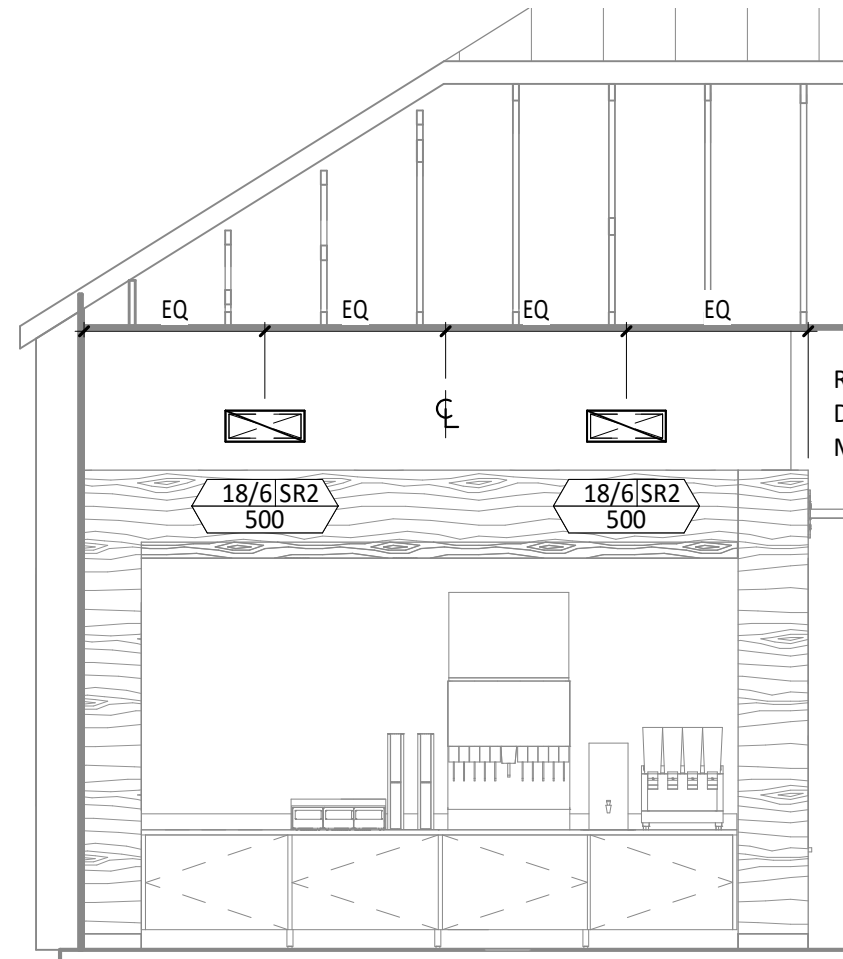
- A. THE MAIN COOKING EXHAUST FAN AND MAKE-UP AIR UNIT SHALL BE INTERLOCKED TO OPERATE TOGETHER. THIS CONTROL CIRCUIT IS ACTIVATED BY A SWITCH AND INCLUDES A FIRE PROTECTION OVERRIDE.
- B. THE TEMPERATURE IN EACH ZONE IS CONTROLLED BY SPACE TEMPERATURE SENSORS CONNECTED TO THE THERMOSTATS LOCATED IN THE OFFICE. ALL ZONES SHALL OPERATE WITH CONTINUOUS FAN OPERATION DURING OCCUPIED TIMES AND INTERMITTENTLY AS NEEDED TO MAINTAIN SET POINTS DURING UNOCCUPIED TIMES. OUTSIDE AIR DAMPERS SHALL BE OPEN CONTINUOUSLY WHEN EITHER IN OCCUPIED MODE OR WHEN THE HOOD SYSTEM IS ON AND SHALL BE CLOSED DURING UNOCCUPIED PERIODS.
- C. THE THERMOSTATS SHALL DETERMINE OCCUPIED/UNOCCUPIED STATUS BASED ON THE SCHEDULE IN THE ENERGY MANAGEMENT SYSTEM.

AIR BALANCE SCHEDULE

TAG	SUPPLY FLOW	RETURN FLOW	EXHAUST FLOW	SUBTOTAL
EF-1	0 CFM	0 CFM	2,550 CFM	-2,550 CFM
EF-2	0 CFM	0 CFM	75 CFM	-150 CFM
F-1	1,800 CFM	1,425 CFM	0 CFM	750 CFM
F-2	1,800 CFM	1,425 CFM	0 CFM	750 CFM
MAU-1	1,300 CFM	0 CFM	0 CFM	1,300 CFM
NET PRESSURIZATION				100 CFM

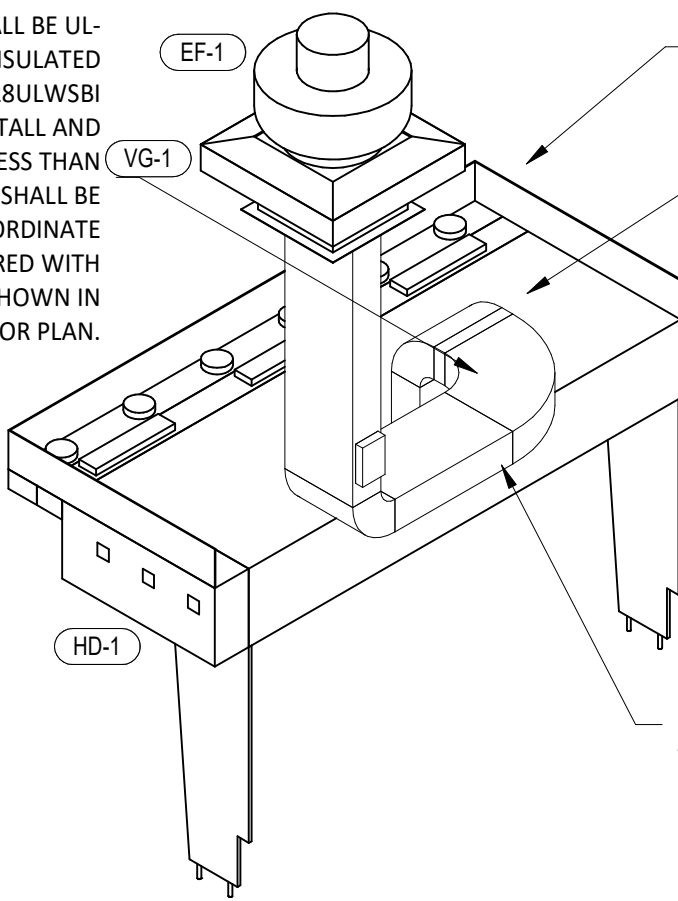
AIR TERMINAL SCHEDULE

TAG	DESCRIPTION	FACE SIZE	MATERIAL	FINISH	MOUNTING	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		NOTES
								MANUFACTURER	MODEL	
CD1	PERFORATED CEILING DIFFUSER	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD
CD2	PERFORATED CEILING DIFFUSER	24" X 12"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4320A TYPE L	PROVIDE WITH INTEGRAL OBD, REMOVE 4-WAY DEFLECTORS
CD3	PERFORATED CEILING DIFFUSER	12" X 12"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4320A TYPE S	PROVIDE WITH INTEGRAL OBD
L1	ADJUSTABLE LOUVER	24" X 22"	ALUMINUM	REFER TO ARCH.	WALL	GC	GC	RUSKIN	ELM6375DX	6" DEEP LOUVER WITH DRAINABLE BLADES AND FRAME. PROVIDE WITH FACTORY MOUNTED 120V CONTROL DAMPER ACTUATOR AS WELL AS BIRD/INSECT SCREEN.
RG2	PERFORATED CEILING RETURN	24" X 24"	ALUMINUM	WHITE	LAY-IN CEILING	GC	GC	NAILOR	4330R TYPE L	
RG4	PERFORATED CEILING RETURN	24" X 24"	ALUMINUM	WHITE	SURFACE MOUNT	GC	GC	NAILOR	4330R TYPE S	
SR1	ADJUSTABLE TURBO NOZZLE	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	AIR CONCEPTS	ANR-10	PROVIDE WITH CONCEALED MOUNTING AND FACE ACCESSIBLE OBD
SR2	DOUBLE DEFLECTION SUPPLY REGISTER	SEE NECK SIZE	ALUMINUM	WHITE	WALL	GC	GC	NAILOR	51DH	PROVIDE WITH INTEGRAL OBD



REFER TO ARCH.
DRAWINGS FOR
MOUNTING HEIGHTS.

GREASE DUCT CLEANOUTS SHALL BE UL-LISTED DUCTMATE PREINSULATED CLEANOUT DOORS MODEL D128ULWSBI FOR DUCTS AT LEAST 17" TALL AND DW128ULWSBI FOR DUCTS LESS THAN 17" TALL. CLEANOUTS SHALL BE FURNISHED BY TENANT. COORDINATE NUMBER AND SIZE REQUIRED WITH ENVIROMATIC. INSTALL AS SHOWN IN THE HVAC FLOOR PLAN.



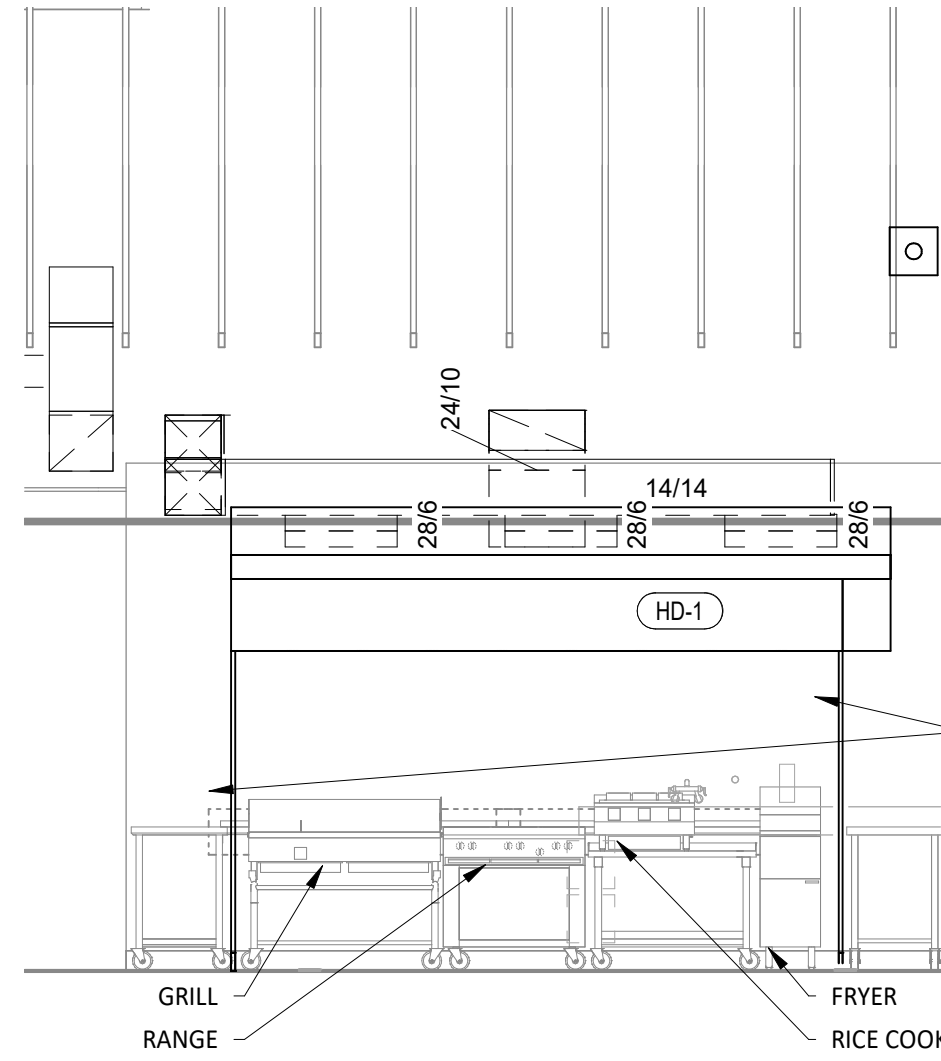
PROVIDE FIRE RESISTANT INSULATION ON TYPE I HOOD EXHAUST DUCT FROM CONNECTION TO HOOD TO CONNECTION TO EXHAUST FAN PER DETAIL 3/M700.

SLOPE HORIZONTAL GREASE DUCT A MINIMUM OF 1/4" PER FOOT DOWN TOWARD THE CONNECTION TO THE HOOD.

PROVIDE RADIUS ELBOWS WITH AN INSIDE RADIUS OF 0.5 X THE DUCT DIMENSION AT ALL CHANGES OF DIRECTION IN THE TYPE I HOOD EXHAUST DUCT.

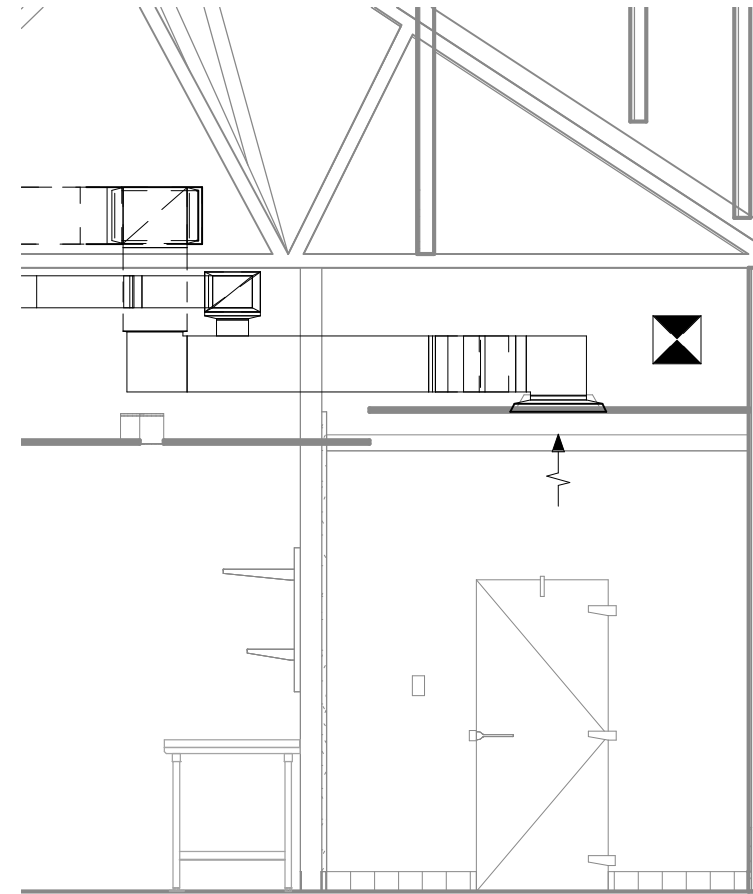
10
M700
HVAC DINING ROOM SECTION
1/4" = 1'-0"

9
M700
HOOD EXHAUST ISOMETRIC
NOT TO SCALE

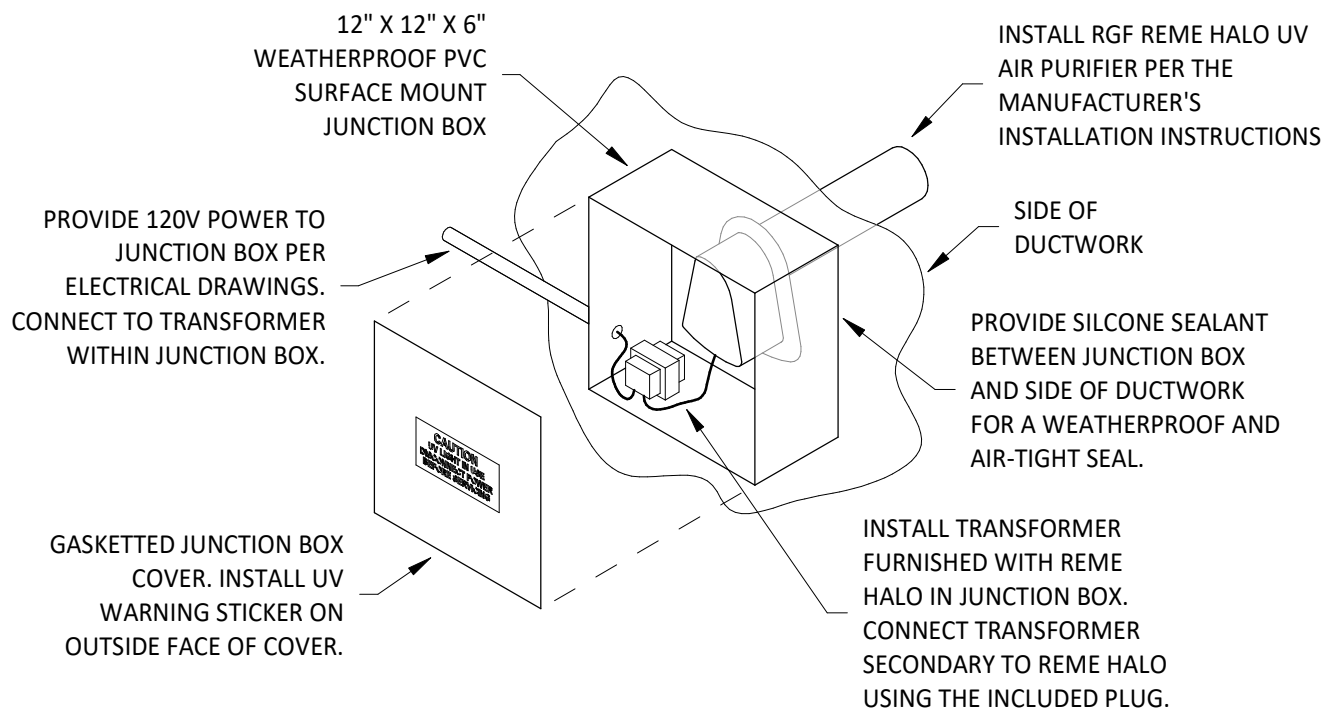


INSTALL VERTICAL END PANELS AT EACH END OF HOOD AS SHOWN. HOOD IS UL-LISTED FOR 0" OVERHANG WHEN USED WITH VERTICAL END PANELS.

8
M700
HOOD ELEVATION
1/4" = 1'-0"

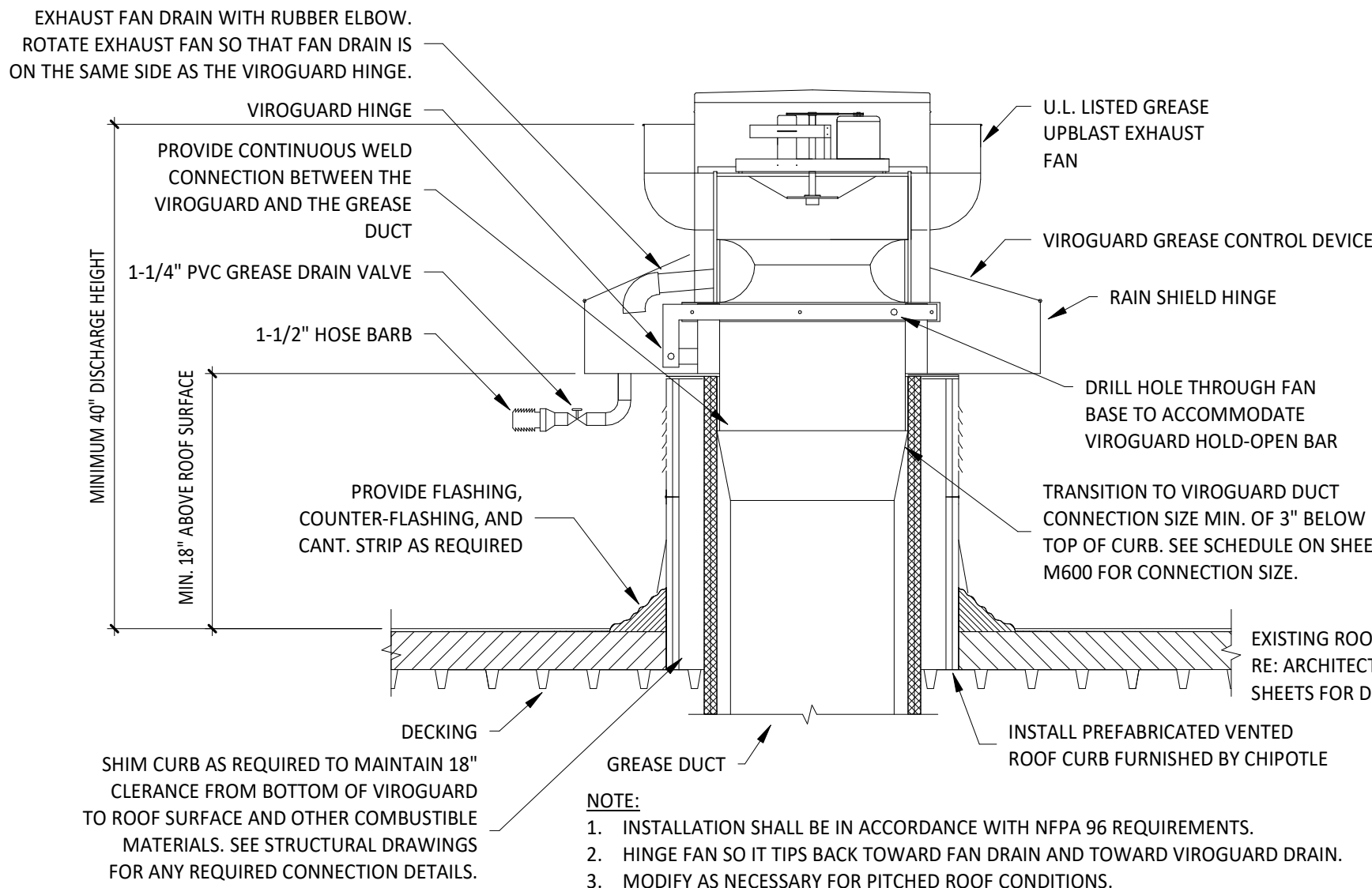


7
M700
DUCT SECTION AT HOOD
1/4" = 1'-0"



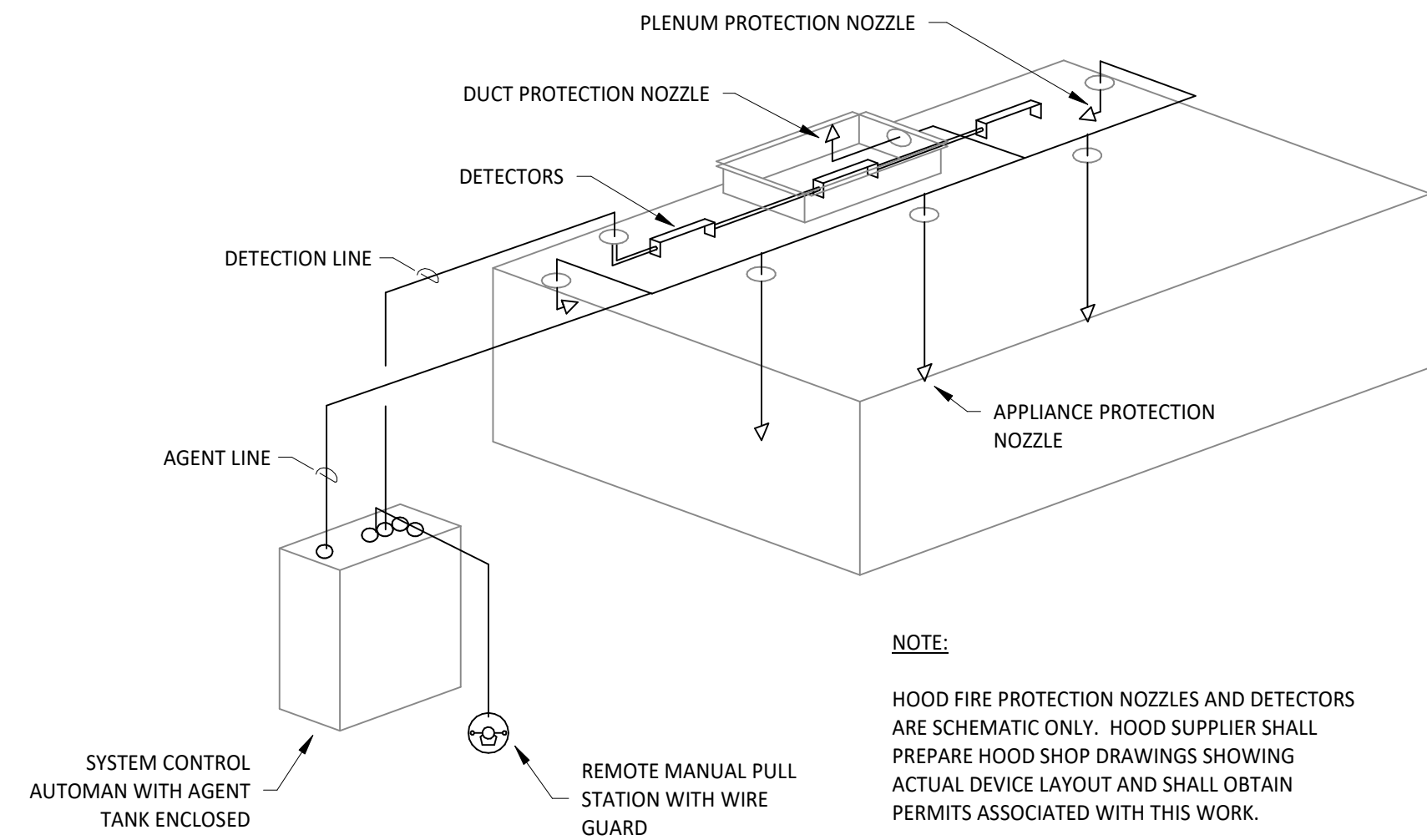
INSTALLATION LOCATION
INSTALL AIR PURIFIER WITH JUNCTION BOX ON OUTSIDE FACE OF SUPPLY DUCT AND WITH UV LAMP TUBE EXTENDING INTO THE INTERIOR OF THE DUCTWORK. FIELD VERIFY EXACT LOCATION TO AVOID DAMAGING, TOUCHING, OR INTERFERING WITH ANY MECHANICAL UNIT INTERIOR COMPONENTS.

6
M700
UV AIR PURIFIER INSTALLATION
NOT TO SCALE



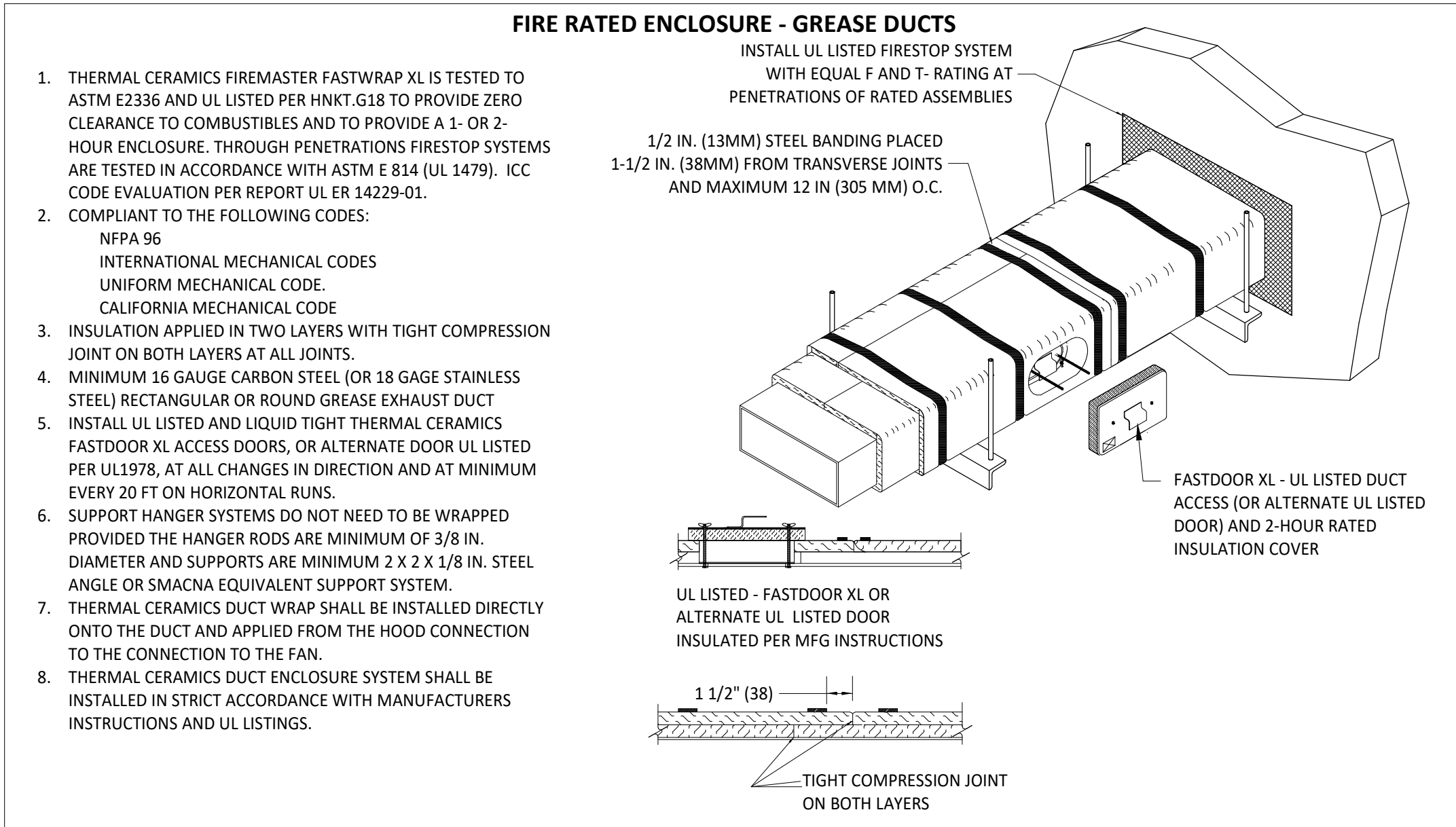
NOTE:
1. INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96 REQUIREMENTS.
2. HINGE FAN SO IT TIPS BACK TOWARD FAN DRAIN AND TOWARD VIROGUARD DRAIN.
3. MODIFY AS NECESSARY FOR PITCHED ROOF CONDITIONS.

5
M700
GREASE EXHAUST FAN
NOT TO SCALE



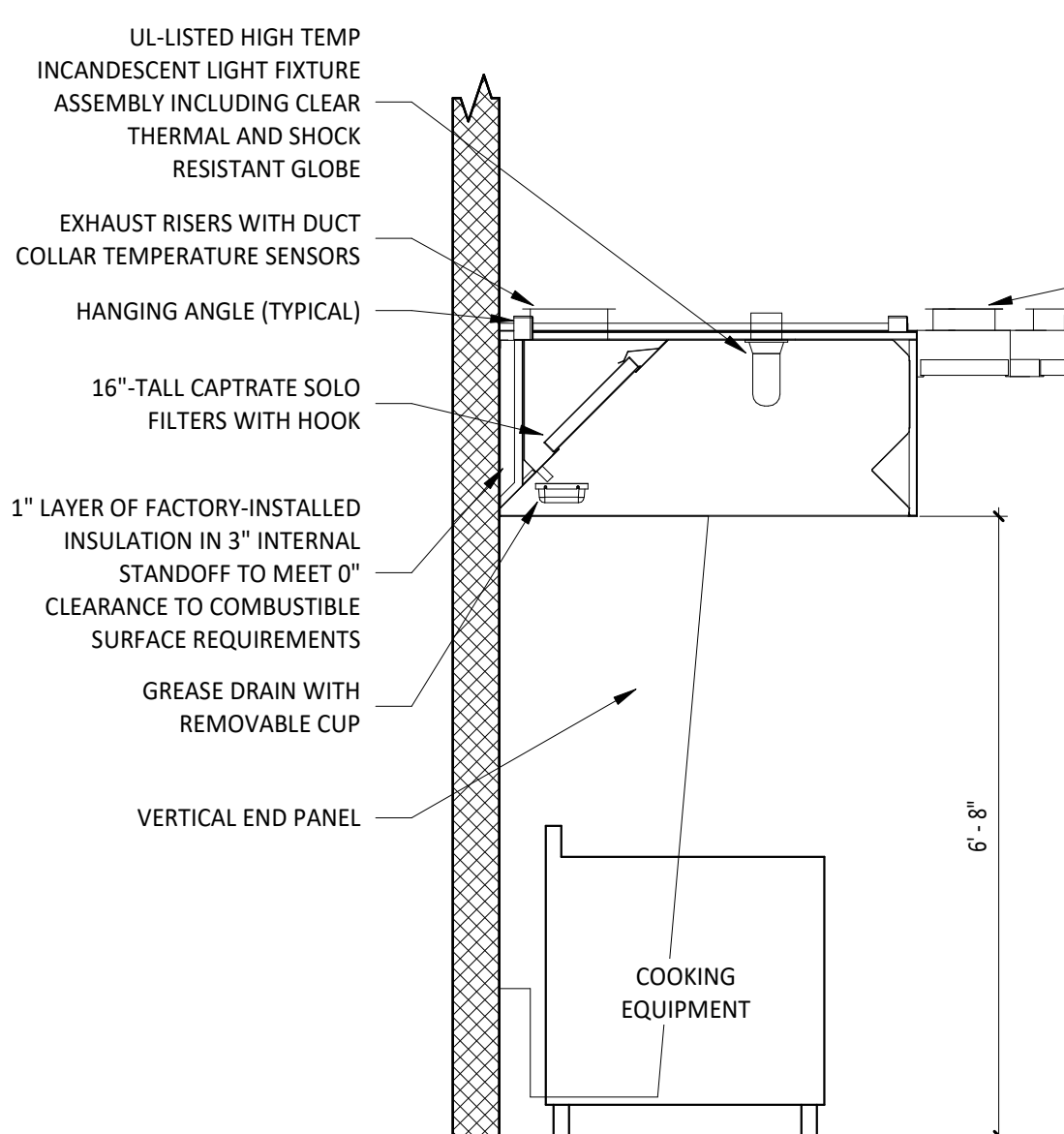
NOTE:
HOOD FIRE PROTECTION NOZZLES AND DETECTORS ARE SCHEMATIC ONLY. HOOD SUPPLIER SHALL PREPARE HOOD SHOP DRAWINGS SHOWING ACTUAL DEVICE LAYOUT AND SHALL OBTAIN PERMITS ASSOCIATED WITH THIS WORK.

4
M700
FIRE SUPPRESSION SYSTEM SCHEMATIC
NOT TO SCALE

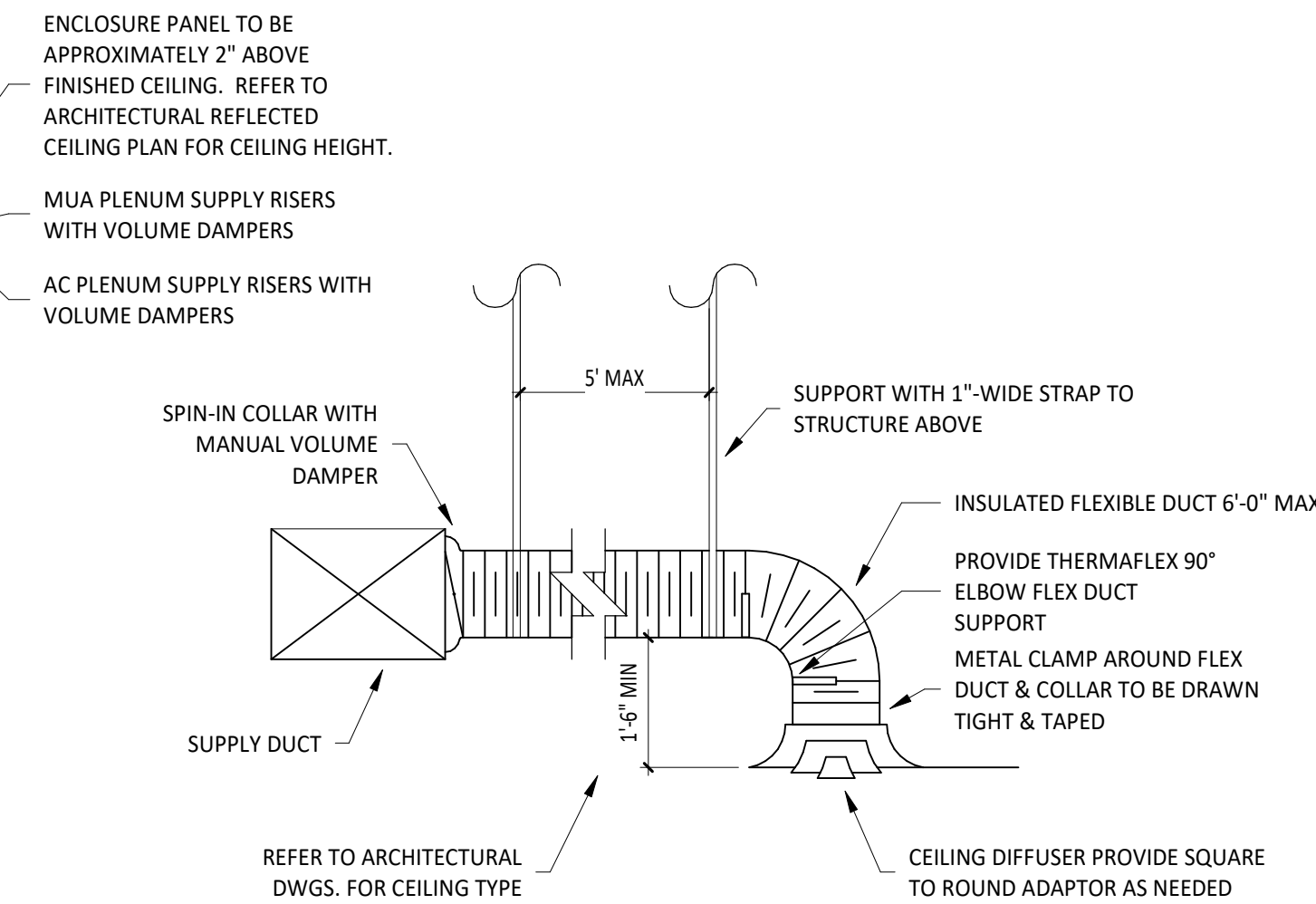


- THERMAL CERAMICS FIREMASTER FASTWRAP XL IS TESTED TO ASTM E2336 AND UL LISTED PER HNKT.G18 TO PROVIDE ZERO CLEARANCE TO COMBUSTIBLES AND TO PROVIDE A 1- OR 2- HOUR ENCLOSURE. THROUGH PENETRATIONS FIRESTOP SYSTEMS ARE TESTED IN ACCORDANCE WITH ASTM E 814 (UL 1479). ICC CODE EVALUATION PER REPORT UL ER 14229-01.
- COMPLIANT TO THE FOLLOWING CODES:
 - NFPA 96
 - INTERNATIONAL MECHANICAL CODES
 - UNIFORM MECHANICAL CODE
 - CALIFORNIA MECHANICAL CODE
- INSULATION APPLIED IN TWO LAYERS WITH TIGHT COMPRESSION JOINT ON BOTH LAYERS AT ALL JOINTS.
- MINIMUM 16 GAUGE CARBON STEEL (OR 18 GAGE STAINLESS STEEL) RECTANGULAR OR ROUND GREASE EXHAUST DUCT
- INSTALL UL LISTED AND LIQUID TIGHT THERMAL CERAMICS FASTDOOR XL ACCESS DOORS, OR ALTERNATE DOOR UL LISTED PER UL1978, AT ALL CHANGES IN DIRECTION AND AT MINIMUM EVERY 20 FT ON HORIZONTAL RUNS.
- SUPPORT HANGER SYSTEMS DO NOT NEED TO BE WRAPPED PROVIDED THE HANGER RODS ARE MINIMUM OF 3/8 IN. DIAMETER AND SUPPORTS ARE MINIMUM 2 X 2 X 1/8 IN. STEEL ANGLE OR SMACNA EQUIVALENT SUPPORT SYSTEM.
- THERMAL CERAMICS DUCT WRAP SHALL BE INSTALLED DIRECTLY ONTO THE DUCT AND APPLIED FROM THE HOOD CONNECTION TO THE CONNECTION TO THE FAN.
- THERMAL CERAMICS DUCT ENCLOSURE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND UL LISTINGS.

3
M700
FIREMASTER DUCT WRAP - UL HNKT-G18
NOT TO SCALE



2
M700
HOOD SECTION VIEW
NOT TO SCALE



NOTE:
1. METHOD OF INSTALLATION FOR AIRTIGHT SEAL IS TYPICAL FOR ALL FLEX CONNECTIONS TO AIR DISTRIBUTION DEVICES.

1
M700
DIFFUSER CONNECTION
NOT TO SCALE

Consultant:



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Issue Record:
05/29/2024 PERMIT ISSUE
09/06/2024 CONSTRUCTION ADDENDA

Revisions:

Drawn: IJD
Checked: AJD

Project No.
241001

Contents:

HVAC DETAILS

M700

SECTION 15055 - COMMON PIPING REQUIREMENTS

PART 1 - GENERAL

A. SECTION REQUIREMENTS

1. Comply with the requirements of the Building Code and the local authority having jurisdiction.

PART 2 - PRODUCTS

2.1 SUPPORTING DEVICES

- A. Hanger and Pipe Attachments: Factory fabricated with galvanized coatings; nonmetallic coated for hangers in direct contact with copper tubing.
- B. Building Attachments: Powder actuated type, drive pin attachments with pullout and shear capacities appropriate for supported loads and building materials; UL listing and FM approval for fire protection systems.
- C. Mechanical Anchor Fasteners: Insert-type attachments with pullout and shear capacities appropriate for supported loads and building materials; UL listing and FM approval for fire protection systems.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install piping free of sags and bends.
- B. Install fittings for changes in direction and branch connections.
- C. Install sleeves for pipes passing through concrete and masonry walls, gypsum board partitions, and concrete floor and roof slabs.
- D. Exterior Wall, Pipe Penetrations: Mechanical sleeve seals installed in steel or cast iron pipes for wall sleeves.
- E. Fire Barrier Penetrations: Seal pipe penetrations with through-penetration firestop systems.
- F. Install unions adjacent to each valve and at final connection to each piece of equipment.
- G. Install dielectric unions and flanges to connect piping materials of dissimilar metals in gas piping.
- H. Install dielectric coupling and nipple fittings to connect piping materials of dissimilar metals in water piping.
- I. Provide full ring escutcheons at plumbing penetrations through walls or ceilings. Tightly seal escutcheons to the adjacent surface.

3.2 HANGERS AND SUPPORTS

- A. Install building attachments within concrete or to structural steel. Install additional attachments at concentrated loads, including valves, flanges, guides, strainers, expansion joints, and at changes in direction of piping.
- B. Install powder actuated drive pin fasteners in concrete after concrete is cured. Do not use in lightweight concrete or in slabs less than 4 inches thick.
- C. Install mechanical anchor fasteners in concrete after concrete is cured. Do not use in lightweight concrete or in slabs less than 4 inches thick.
- D. Support fire protection system piping independent of other piping.
- E. Load Distribution: Install hangers and supports so piping live and dead loading and stresses from movement will not be transmitted to connected equipment.

END OF SECTION 15055

SECTION 15080 - MECHANICAL INSULATION

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: None.
- B. Quality Assurance: Labeled with maximum flame-spread rating of 25 and maximum smoke developed rating of 50 according to ASTM E 84.

PART 2 - PRODUCTS

2.1 PIPE INSULATION

- A. Preformed Glass Fiber Pipe Insulation: ASTM C 547, Class 1, with factory applied, all purpose, vapor retarder jacket.
- B. Polyolefin Pipe Insulation: Unicellular polyethylene, preformed pipe insulation. Comply with ASTM C 534, Type I, except for density.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install vapor barriers on insulated pipes with surface operating temperatures below 60 deg F.
- B. Insulate fittings, valves, and specialties.
- C. Seal vapor barrier penetrations for hangers, supports, anchors, and other projections.
- D. Coat glass fiber pipe insulation ends with vapor barrier coating.
- E. Roof Penetrations: Apply insulation for interior applications to a point even with the top of the roof flashing.
- F. Exterior Wall Penetrations: For penetrations of below grade exterior walls, terminate insulation flush with mechanical sleeve seal.
- G. Interior Walls and Partitions Penetrations: Apply insulation continuously through walls and partitions, except fire rated walls and partitions.
- H. Fire Rated Walls and Partitions Penetrations: Terminate insulation at penetrations through fire rated walls and partitions. Seal around penetration with through penetration firestop systems.
- I. Floor Penetrations: Terminate insulation at the underside of the floor assembly and at the floor support at top of floor. Seal around penetration with through penetration firestop systems.
- J. Glass Fiber Insulation Installation: Bond insulation to pipe with adhesive. Seal seams and joints with vapor barrier compound.
- K. Interior Piping System Applications: Insulate the following piping systems:
- Domestic cold, hot, and recirculation water pipes.
 - Exposed sanitary drains and water supply pipes for public hand sinks.
 - Refrigerant piping.
- L. Do not apply insulation to the following systems, materials, and equipment:
- Flexible connectors.
 - Fire protection piping systems.
 - Sanitary drainage and vent piping.
 - Chrome plated pipes and fittings, except for plumbing fixtures for the disabled.
 - Piping specialties, including air chambers, unions, strainers, check valves, plug valves, and flow regulators.
- M. Pipe Insulation Thickness Application Schedule: Insulate piping with the following materials and thicknesses:
- Domestic Hot and Recirculation water pipes: 1-inch preformed glass fiber pipe insulation.
 - Domestic Cold Water: 1/2-inch preformed glass fiber pipe insulation.
 - Storm Drain: 1/2-inch preformed glass fiber pipe insulation.
 - P-Trap and Fixture Supplies for public hand sinks: ADA-compliant pre-formed insulation.

END OF SECTION 15080

SECTION 15110 - VALVES

PART 1 - GENERAL (Not Applicable)

PART 2 - PRODUCTS

2.1 GENERAL DUTY VALVES

- A. End Connections: Threads shall comply with ANSI B1.20.1. Flanges shall comply with ANSI B16.1 for cast iron valves and ANSI B16.24 for bronze valves. Solder-joint connections shall comply with ANSI B16.18.
- B. Ball Valves: Rated for 150 psig saturated steam pressure, 400 psig WOG pressure; 2 piece construction; with bronze body, standard (or regular) port, chrome plated brass ball, replaceable "Teflon" or "TFE" seats and seals, blowout proof stem, and vinyl covered steel handle.
- C. Plug Valves: Rated at 150 psig WOG; bronze body, with straightaway pattern, square head, and threaded ends.
- D. Swing Check Valves: Class 125, cast bronze body and cap; with horizontal swing, Y-pattern, and bronze disc.
- E. Valves for Copper Tube: Solder ends, except provide threaded ends for heating hot water and low pressure steam service.
- F. Valves for Steel Pipe: Threaded ends.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Use gate and ball valves for shutoff duty and ball for throttling duty.
- B. Locate valves for easy access and provide separate support where necessary.
- C. Install accessible valves for each fixture and item of equipment.
- D. Install valves in horizontal piping with stem at or above center of pipe.
- E. Install valves in a position to allow full stem movement.
- F. Install check valves for proper direction of flow in horizontal position with hinge pin level.

END OF SECTION 15110

SECTION 15140 - DOMESTIC WATER PIPING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Performance Requirements: Unless otherwise indicated minimum pressure requirements for water piping are as follows:
- Service Entrance Piping: 100 psig.
 - Domestic Water Piping: 80 psig.
- B. Comply with NSF 14 "Plastic Piping Components and Materials."
- C. Comply with NSF 61 "Drinking Water System Components -- Health Effects."

PART 2 - PRODUCTS

- 2.1 PIPES AND TUBES (See Material Schedule on sheet P010 for where these materials are to be used)
- A. Hard Copper Tube: ASTM B 88, Types L and M, water tube, drawn temper.
- B. PVC Plastic, Water Pipe: ASTM D 1785, Schedule 80, plain ends.
- 2.2 FITTINGS
- A. Wrought Copper, Solder Joint Pressure Fittings: ASME B 16.22.
- B. Cast Copper Alloy, Solder Joint Pressure Fittings: ASME B 16.18.
- C. Bronze Flanges: ASME B 16.24, Classes 150 and 300.
- D. Copper Unions: ASME B 16.18, cast copper alloy body, hexagonal stock, with ball and socket joint, metal to metal seating surfaces, and solder joint, threaded, or solder joint and threaded ends. Threads complying with ASME B 1.20.1.
- E. PVC Plastic, Schedule 80, Socket Type Pipe Fittings: ASTM D 2467.

2.3 JOINING MATERIALS

- A. Solder Filler Metal: ASTM B 32, lead free.
- B. Brazing Filler Metals: AWS A5.8, alloys to suit system requirements.
- C. Solvent Cements: As recommended by manufacturer.
- D. Plastic Pipe Seals: ASTM F 477, elastomeric gasket.

PART 3 - EXECUTION

3.1 VALVE APPLICATIONS

- A. Install gate valves close to main on each branch and riser serving two or more plumbing fixtures or equipment connections and where indicated.
- B. Install gate or ball valves on inlet to each plumbing equipment item, on each supply to each plumbing fixture not having stops on supplies, and elsewhere as indicated.
- C. Install drain valve at base of each riser, at low points of horizontal runs, and where required to drain water distribution piping system.
- D. Install swing check valve on discharge side of each pump and elsewhere as indicated.
- E. Install ball valves in each hot water circulating loop and discharge side of each pump.

3.2 PIPING INSTALLATIONS

- A. Install hangers and supports at intervals indicated in the applicable plumbing code and as recommended by pipe manufacturer.
- B. Support vertical piping at each floor.

3.3 INSPECTING AND CLEANING

- A. Inspect and test piping systems following procedures of authorities having jurisdiction.
- B. Clean and disinfect water distribution piping following procedures of authorities having jurisdiction.

END OF SECTION 15140

SECTION 15150 - SANITARY WASTE AND VENT PIPING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Minimum Pressure Requirement for Soil, Waste and Vent: 10 feet head.
- B. Comply with NSF 14 "Plastic Piping Components and Related Materials".

PART 2 - PRODUCTS

2.1 PIPES AND TUBES

- A. PVC Plastic, DWV Pipe: ASTM D 2665, Schedule 40, plain ends.
- 2.2 FITTINGS
- A. PVC Plastic, DWV Pipe Fittings: ASTM D 2665, made to ASTM D 3311; socket type; drain, waste, and vent pipe patterns.

PART 3 - EXECUTION

3.1 PIPING INSTALLATION

- A. Install cleanout and extension to grade at connection of building sanitary drain and building sanitary sewer.
- B. Locate drainage piping runouts as close as possible to bottom of floor slab supporting fixtures or drains.

3.2 INSPECTION

- A. Inspect and test piping systems following procedures of authorities having jurisdiction.

END OF SECTION 15150

SECTION 15198 - NATURAL GAS PIPING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Quality Assurance: Comply with NFPA 54 and the Plumbing Code.

PART 2 - PRODUCTS

2.1 PIPE, TUBE, AND SPECIALTIES

- A. Steel Pipe: ASTM A 53, Type S (Seamless), Grade B, Schedule 40, plain ends.
- B. Malleable Iron Threaded Fittings: ASME B16.3, Class 150.
- C. Manual Valves: Comply with standards listed or, if appropriate, to ANSI Z21.15.
- D. Gas Stops: AGA certified, bronze-body, plug type with bronze plug, for 2-psig or less natural gas. Include AGA stamp, flat or square head or lever handle, and threaded ends complying with ASME B1.20.1.
- E. Gas Valves: 150-psig WOGS, cast-iron or bronze body, bronze plug, straightaway pattern, square head, tapered-plug type.
- F. Gas Pressure Regulators: ANSI Z21.18, single stage, steel jacketed, corrosion resistant pressure regulators. Include atmospheric vent, elevation compensator. Regulator pressure ratings, inlet and outlet pressures, and flow volume in cubic feet per hour of natural gas at specific gravity are as indicated.
- G. Line Gas Pressure Regulators: Inlet pressure rating not less than system pressure.
- H. Flexible Connectors: ANSI Z21.24, copper alloy.
- I. Strainers: Bronze body, Y-pattern, full size of connecting piping. Include stainless-steel screens with 3/64 inch perforations and a pressure rating of 125-psig- minimum, WOG working pressure.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Close equipment shutoff valves before turning off gas to premises or section of piping. Perform leakage test as specified to determine that all equipment is turned off in affected piping section.
- B. Install shutoff valves, downstream from gas meter, outside building at gas service entrance.
- C. Install gas stops for shutoff to appliances with NPS 2" or smaller low pressure gas supply.
- D. Drips and Sediment Traps: Install drips at points where condensate may collect. Include outlets of gas meters. Locate where readily accessible to permit cleaning and emptying. Do not install where condensate would be subject to freezing.
- E. Install gas piping at uniform slope of 0.1 percent upward toward risers.
- F. Connect branch piping from top or side of horizontal piping.
- G. Install strainers on supply side of each control valve, gas pressure regulator, solenoid valve, and elsewhere as indicated.
- H. Install valves in accessible locations, protected from damage.
- I. Install gas valve upstream from each gas pressure regulator. Where two gas-pressure regulators are installed in series, valve is not required at second regulator.
- J. Connect gas piping to equipment and appliances with shutoff valves and unions. Install gas valve upstream from and within 36 inches of each appliance using gas. Install union or flanged connection downstream from valve.
- K. Inspect, test, and purge piping according to NFPA 54, Part 4, "Gas Piping Inspection, Testing, and Purging", and requirements of authorities having jurisdiction.

END OF SECTION 15198

SECTION 15410 - PLUMBING FIXTURES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

Submittals: None.

- A. Comply with requirements of Public Law 102-486, "Energy Policy Act", regarding water flow rate and water consumption of plumbing fixtures.
- B. Comply with applicable standards below:
- Enameled, Cast Iron Fixtures: ASME A112.19.1M.
 - National Sanitation Foundation Construction: NFS2.
- PART 2 - PRODUCTS
- Porcelain Enameled Fixtures: ASME A112.19.4M.
 - Slip Resistant Bathing Surfaces: ASTM F 462.
 - Stainless Steel Fixtures: ASME A112.19.3M.
 - Vitreous China Fixtures: ASME A112.19.2M.

PART 2 - PRODUCTS

2.1 Refer to the fixture schedule on drawing P600

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install fixtures with flanges and gasket seals.
- B. Install flushometer valves for accessible water closets and urinals with handle mounted on wide side of compartment. Install other actuators in locations that are easy for the disabled to reach.
- C. Fasten wall hanging plumbing fixtures securely to supports attached to building substrate when supports are specified, and to building wall construction where no support is indicated.
- D. Fasten floor mounted fixtures to substrate. With fixtures having holes for securing fixture to wall construction, fasten to reinforcement built into walls.
- E. Fasten wall mounted fittings to reinforcement built into walls.
- F. Fasten counter mounted plumbing fixtures to casework.
- G. Secure supplies to supports or substrate within pipe space behind fixture.
- H. Set mop basins in leveling bed of cement grout.
- I. Install individual supply inlets, supply stops, supply risers, and tubular brass traps with cleanouts at fixture.
- J. Install water supply stop valves in accessible locations.
- K. Install traps on fixture outlets. Omit traps on fixtures having integral traps. Omit traps on indirect wastes, unless otherwise indicated or required by the Authority Having Jurisdiction.
- L. Install full-ring escutcheons at wall, floor, and ceiling penetrations in exposed, finished locations and within cabinets and millwork. Use deep pattern escutcheons where required to conceal protruding pipe fittings.
- M. Install piping connections between plumbing fixtures and piping systems and plumbing equipment. Install insulation on supplies and drains of fixtures for the disabled.
- N. Ground equipment. Tighten electrical connectors and terminals according to UL 486A and UL 486B.

END OF SECTION 15410

SECTION 15554 - FLUES AND VENTS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

A. Submittals: None.

PART 2 - PRODUCTS

2.1 GAS VENTS

- A. Vent/air intake for high efficiency domestic water heater. Follow manufacturer's recommendations for sizing and material.
- B. Accessories: Tees, elbows, increasers, draft hood connectors, metal cap with bird barrier, adjustable roof flashing, storm collar, support assembly, thimbles, firestopping spacers, and fasteners; fabricated of similar materials and designs as vent-pipe straight sections.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install vents according to stipulated minimum clearances from combustibles.
- B. Seal between sections of positive pressure vents using only sealants recommended by manufacturer.
- C. Support vents at intervals to support the weight of the vent and all accessories, without exceeding loading of appliances.

END OF SECTION 15554

PLUMBING SYMBOLS

	ELBOW UP
	ELBOW DOWN
	DOMESTIC COLD WATER
	DOMESTIC FILTERED COLD WATER
	DOMESTIC SOFTENED COLD WATER
	DOMESTIC HOT WATER (110 DEGREES)
	DOMESTIC HOT WATER RECIRC.
	GAS
	GAS (ON ROOF)
	SANITARY WASTE
	GREASE WASTE
	SANITARY VENT
	CONDENSATE DRAIN
	PLAN NOTE: SEE PLAN NOTES LISTED ON THE SAME SHEET FOR NOTE MEANING
	CONNECT TO EXISTING
	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
	WATER METER
	GAS METER
	EQUIPMENT TAG: SEE EQUIPMENT SCHEDULE ON SHEET P600 FOR EQUIPMENT INFORMATION
	VALVE
	SOLENOID-OPERATED VALVE
	WALL HYDRANT/ROOF HYDRANT
	CHECK VALVE
	CIRCUIT-SETTER BALANCE VALVE RATED FOR POTABLE WATER
	FLOOR DRAIN
	FLOOR SINK
	CLEANOUT

PLUMBING GENERAL NOTES

- A. GENERAL NOTES APPLY TO PLUMBING SHEETS.
- B. PLUMBING WORK SHALL BE DONE IN ACCORDANCE WITH THE PLUMBING CODE, LOCAL HEALTH DEPARTMENT STANDARDS, AND THE AUTHORITY HAVING JURISDICTION. SEE ARCHITECTURAL SHEETS FOR THE PREVAILING CODES.
- C. PIPING LAYOUTS ON DRAWINGS ARE SCHEMATIC. EXACT LOCATIONS ARE TO BE COORDINATED WITH THE EXISTING CONDITIONS AND THE WORK OF OTHER TRADES.
- D. CONCEAL PIPING UNLESS NOTED OTHERWISE. WATER SUPPLY PIPES SHALL BE INSTALLED LEVEL.
- E. PROVIDE SHUT-OFF VALVES FOR ISOLATION OF FIXTURE GROUPS AS SHOWN ON DRAWINGS IN ADDITION TO STOP VALVES AT EACH FIXTURE.
- F. PROVIDE STOP VALVES AT FIXTURES.
- G. PROVIDE TRAP PRIMERS FOR FLOOR DRAINS AS SHOWN ON SHEET P100.
- H. WHERE THE WATER OR GAS SUPPLY LINE SIZE SHOWN IN THE PLUMBING DIAGRAMS DIFFERS FROM THE FIXTURE OR EQUIPMENT CONNECTION SIZE, PROVIDE LINE SIZE PIPE TO WITHIN 6" OF THE FIXTURE OR EQUIPMENT BEFORE TRANSITIONING TO THE CONNECTION SIZE.
- I. PIPING IN EXTERIOR WALLS SHALL BE INSTALLED BETWEEN THE INSULATION AND THE INTERIOR WALL FINISHING MATERIAL.
- J. INSULATE THE HOT AND COLD WATER, CONDENSATE DRAINAGE, AND STORM PIPING PER THE SPECIFICATIONS AND DETAIL 8/P700.
- K. PROVIDE GAS SHUT-OFF VALVES AT EACH PIECE OF EQUIPMENT. PROVIDE ACCESSIBLE DIRT LEG AT THE BOTTOM OF VERTICAL SECTIONS OF GAS PIPE AND AT THE CONNECTION TO EACH PIECE OF EQUIPMENT.
- L. PLUMBING FIXTURES, ACCESSORIES, AND MATERIALS PROVIDED FOR DOMESTIC WATER SHALL BE LEAD FREE.
- M. PRIOR TO TURNOVER PERFORM A VIDEO INSPECTION OF THE SANITARY AND GREASE LINES FROM THE MAIN LINES WITHIN THE TENANT SPACE TO THE MAIN SEWER TO VERIFY THAT THE SANITARY WASTE SYSTEM IS CONNECTED, CLEAN, AND FREE OF SAGS, BELLIES, BREAKS, AND DEBRIS. DELIVER A REPORT AND COPY OF THE VIDEO TO THE TENANT'S CONSTRUCTION MANAGER PRIOR TO TURNOVER.
- N. THE TERM "FURNISH" MEANS SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. THE TERM "INSTALL" DESCRIBES THE OPERATIONS AT THE PROJECT SITE INCLUDING THE ACTUAL UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
- O. PRIOR TO CONNECTION TO ANY EXISTING SEWER SYSTEM PERFORM A DIE TEST TO VERIFY THE TYPE OF SYSTEM AND THE DIRECTION OF FLOW. REPORT ANY DEVIATION FROM THE CONSTRUCTION DOCUMENTS TO THE TENANT'S CONSTRUCTION MANAGER.
- P. PROVIDE SANITARY AND GREASE WASTE PIPES AT A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS NOTED OTHERWISE.
- Q. INSTALL SHUTOFF AND ISOLATION VALVES SHOWN TO BE ABOVE CEILINGS IN ACCESSIBLE LOCATIONS WITHIN 12" OF LAY-IN CEILINGS.
- R. ALL UNDERGROUND PIPE, CONDUIT, AND LINES SHALL BE PROTECTED WITH CLEANED DIRT, VOID OF ANY ROCKS OR CLEAN SAND, 6" BELOW AND 12" ABOVE SAID PIPE, CONDUIT, OR LINE.

PLUMBING MATERIAL SCHEDULE		
	APPLICATION	ALLOWABLE MATERIAL
NATURAL GAS PIPE		
	CONCEALED	SCH. 40 STEEL PIPE, MALLEABLE IRON THREADED FITTINGS
	EXPOSED	SCH. 40 STEEL PIPE, MALLEABLE IRON THREADED FITTINGS, PAINTED
SANITARY WASTE & VENT PIPE		
	ABOVE GROUND HAND SINK DRAINS	BRASS WITH CHROME FINISH
	ABOVE GROUND PREP SINK AND WARE WASHING SINK DRAINS	PVC PLASTIC DWV PIPE AND FITTINGS
	ABOVE GROUND, CONCEALED	PVC PLASTIC DWV PIPE AND FITTINGS
	BELOW GROUND	PVC PLASTIC DWV PIPE AND FITTINGS
WATER SUPPLY PIPE		
	ABOVE GRADE	TYPE L COPPER TUBE

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Issue Record:	
05/29/2024	PERMIT ISSUE
09/06/2024	CONSTRUCTION ADDENDA



Revisions:

Drawn: _____

Checked: _____

JD _____

AJD _____

Project No.

241001

Contents:

PLUMBING SPECIFICATIONS

P010

WATER PLAN NOTES

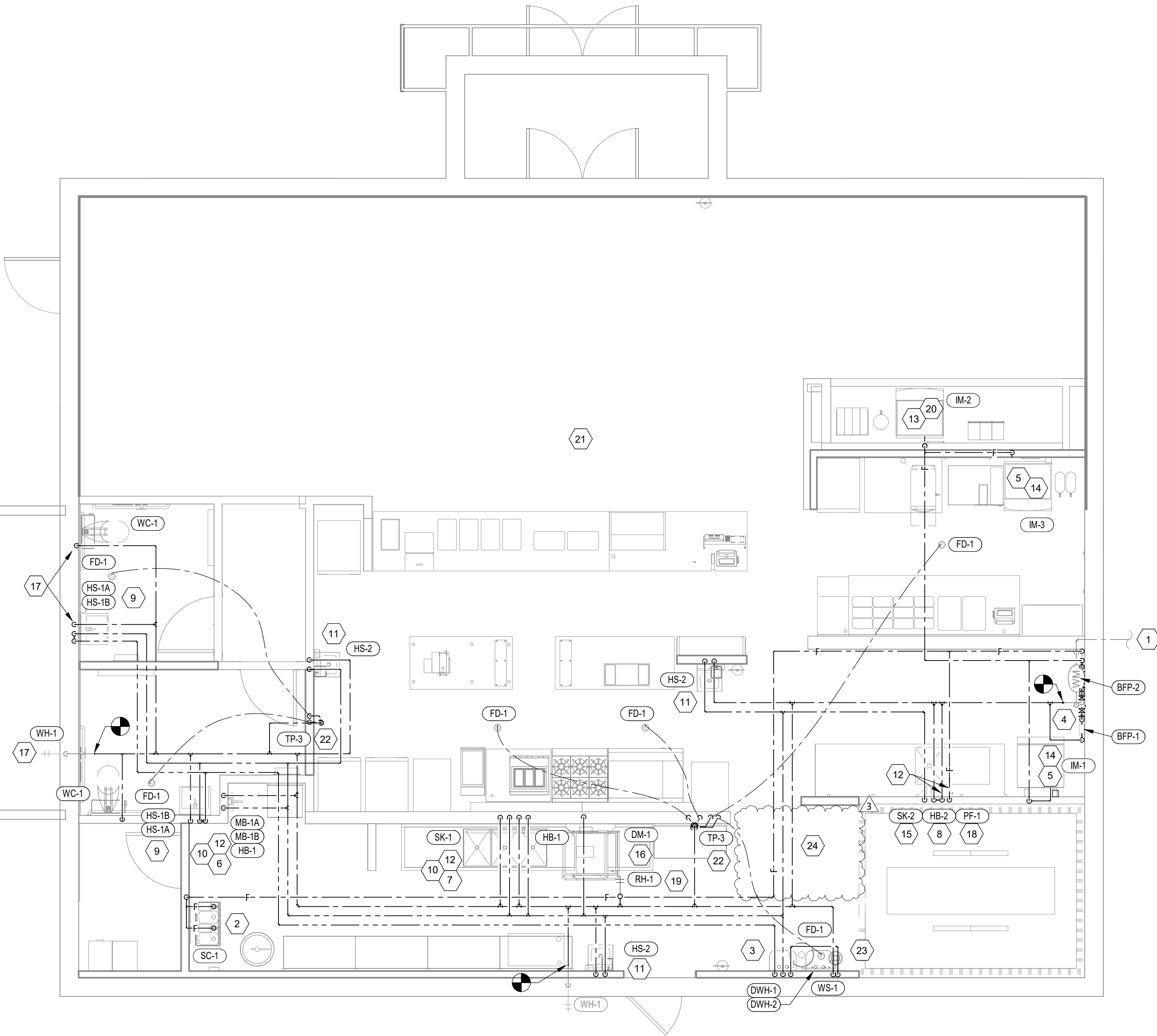
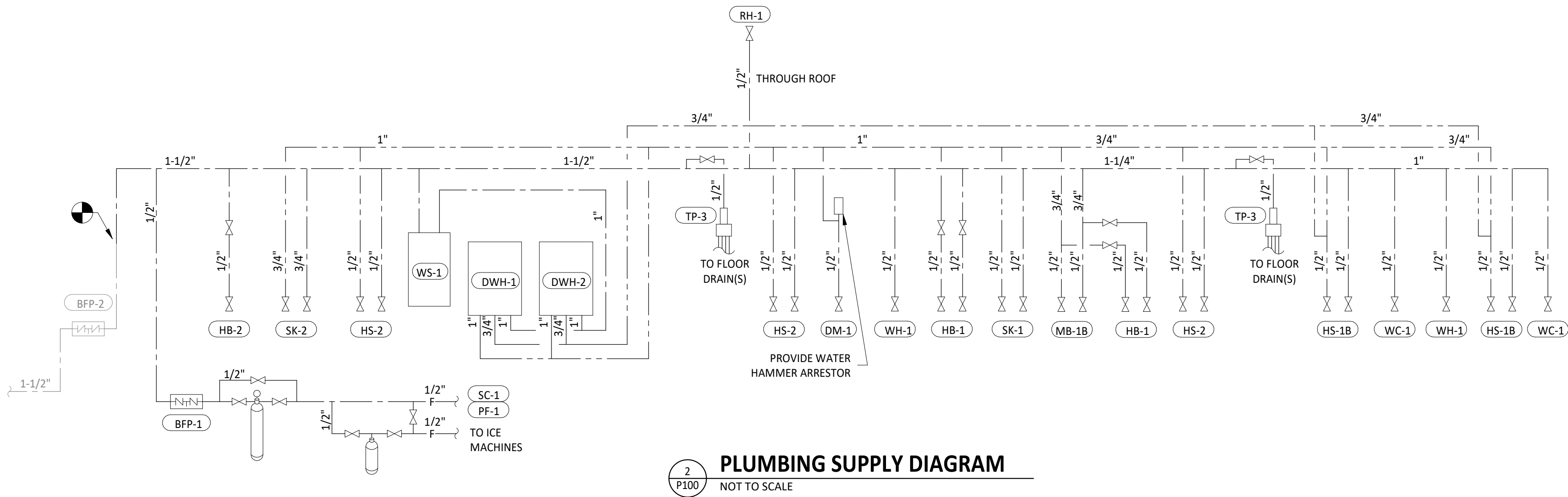
- SEE CIVIL UTILITY PLAN FOR CONTINUATION OF EXISTING 1-1/2" DOMESTIC WATER SERVICE.
- PROVIDE 1/2" FILTERED WATER TO THE BAG-IN-BOX SODA CARBONATOR AT 102" AFF. SODA CARBONATOR SHALL HAVE AN INTEGRAL ASSE 1022-RATED CARBONATED BEVERAGE BACKFLOW PREVENTION DEVICE.
- PROVIDE WATER HEATERS DWH-1 AND DWH-2 PER DETAIL 1/P700.
- PROVIDE WATER FILTERS MOUNTED TO WALL PER DETAIL 11/P700. PROVIDE 1/2" SUPPLY PIPES FROM FILTERS TO ICE MAKER AND SODA CARBONATOR AS SHOWN.
- PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 56" AFF. PROVIDE 6' LONG STAINLESS STEEL FLEXIBLE BRAIDED WASHING MACHINE WATER CONNECTOR WITH MINIMUM 0.43" ID (BRASSCRAFT SL12-72WA F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE MOP BASIN FAUCET AT 36" AFF. PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 64" AFF DIRECTLY ABOVE THE MOP BASIN FAUCET. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE CHEMICAL DISPENSER FAUCET (HB-1) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- PROVIDE DOMESTIC WATER ROUGH-INS FOR THE VICTORY WASH DISPENSER FAUCET (HB-2) AT 52" AFF. SEE ARCHITECTURAL ELEVATION FOR ADDITIONAL INFORMATION.
- PROVIDE ROUGH-INS TO RESTROOM HAND SINKS AS SHOWN IN DETAIL 14/P700.
- CONNECT CHEMICAL DISPENSER TO HB-1. CHEMICAL DISPENSER HAS AN INTEGRAL AIR GAP AS IS SHOWN IN DETAIL 10/P700.
- PROVIDE ASSE 1016/1070 POINT-OF-USE THERMOSTATIC MIXING VALVE, WATTS LFUSG-B, ON WATER SUPPLY TO KITCHEN HAND SINKS. PROVIDE ANGLE STOP BELOW SINK. FASTEN MIXING VALVE TO WALL, AND MAKE FINAL CONNECTION FROM ANGLE STOPS TO MIXING VALVE AND FROM MIXING VALVE TO FAUCET USING BRAIDED STAINLESS STEEL HOSE. ADJUST MIXING VALVE FOR A DISCHARGE TEMPERATURE OF APPROXIMATELY 110° F.
- PROVIDE ACCESSIBLE VALVE IN WATER SUPPLY TO FIXTURE AS SHOWN.
- PROVIDE 1/2" FILTERED WATER ROUGH-IN TO THE ICE MAKER AT 24" AFF. PROVIDE 6' LONG STAINLESS STEEL FLEXIBLE BRAIDED WASHING MACHINE WATER CONNECTOR WITH MINIMUM 0.43" ID (BRASSCRAFT SL12-72WA F OR EQUAL) FOR FINAL CONNECTION TO ICE MAKER.
- INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS.
- PROVIDE 3/4" DOMESTIC HOT AND COLD WATER ROUGH-INS FOR THE PREP SINK (SK-2) FAUCET AT 24" AFF TO ALLOW FOR THE VICTORY WASH CHEMICAL DOCK TO BE INSTALLED DIRECTLY BELOW THE PREP SINK BASIN. MAKE FINAL CONNECTION TO PREP SINK FAUCET USING 3/4" BRAIDED STAINLESS STEEL WATER HEATER CONNECTOR HOSE.
- PROVIDE 1/2" HOT WATER TO THE DISH MACHINE AT 66" AFF ABOVE LEFT SIDE OF DISH MACHINE, MAKING FINAL CONNECTION USING CONNECTION HOSE FURNISHED WITH DISH MACHINE. PROVIDE WATER HAMMER ARRESTOR ON HOT WATER LINE.
- ROUTE PIPE ON INTERIOR SIDE OF INSULATION ON EXTERIOR WALL. PROVIDE HEAT TAPE ALONG VERTICAL LENGTH OF PIPE BELOW CEILING, BENEATH PIPE INSULATION. HEAT TAPE SHALL BE 6 W/FT, 120V, DELTA-THERM CO120-6-CBT WITH AMBIENT TEMPERATURE SENSOR SET AT 40 DEG. FARENHEIT TO INITIATE HEAT. PROVIDE ALL ACCESSORIES NEEDED FOR COMPLETE INSTALLATION (POWER CONNECTIONS, END TERMINATIONS, STRAPS, CAUTION SIGNS, ETC.) PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE FILTERED DOMESTIC WATER ROUGH-IN FOR THE SPEED FILL POT FILLER FAUCET (PF-1) AT 40" AFF. SEE ARCHITECTURAL ELEVATION FOR DETAIL.
- PROVIDE ROOF HYDRANT RH-1 WITH BOTTOM OF NOZZLE INSTALLED 24" ABOVE THE BOTTOM OF ROOF DECK. PROVIDE ACCESSIBLE ISOLATION VALVE IN WATER SUPPLY TO ROOF HYDRANT. SUPPORT ROOF HYDRANT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALL RGF IMSB ICE MAKER SANITIZER FURNISHED BY TUV PER CHIPOTLE'S INSTALLATION INSTRUCTIONS. LOCATE IMSB BELOW UTENSIL COUNTER IN A LOCATION THAT DOES NOT INTERFERE WITH THE ROLLING RACK BELOW THE UTENSIL COUNTER.
- PENETRATIONS THROUGH SHEAR WALLS SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITHIN 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.
- PROVIDE ACCESSIBLE TRAP PRIMER ABOVE LAY-IN CEILING AS SHOWN. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH A SERVICE VALVE AT THE TRAP PRIMER INLET. PROVIDE 1/2" DISTRIBUTION PIPE(S) TO FLOOR DRAIN TRAP PRIMER CONNECTION(S) AS SHOWN. HORIZONTAL DISTRIBUTION PIPING SHALL HAVE CONTINUOUS SLOPE TO THE FLOOR DRAIN(S).
- PROVIDE WATER SOFTENER WS-1 PER DETAIL 19/P700.
- COORDINATE ROUTING OF PIPING IN THIS AREA WITH ROOF LADDER(S) IN THIS AREA.

PLUMBING FIXTURE SUPPLY CONNECTIONS

ROUGH-IN TYPE KEY

ANGLE 3/8"	BRASS CRAFT KTR19 OR EQUAL (BRASS/CHROME 1/4 TURN ANGLED BALL STOP WITH 3/8" COMPRESSION CONNECTION)
ANGLE 1/2"	BRASS CRAFT R39X C OR EQUAL (BRASS/CHROME MULTI-TURN ANGLED STOP WITH 1/2" COMPRESSION CONNECTION)
ANGLE 3/4"	EVERFLOW 74342-NL W/ 3/4" SWEAT X MIP ADAPTER OR EQUAL (BRASS ANGLE STOP W/ 3/4" FIP INLET AND OUTLET)
DIRECT	PROVIDE COPPER PIPE IN CONNECTION SIZE SHOWN TO FIXTURE
HOSE 1/2"	ARROWHEAD BRASS WMSOF OR EQUAL (BRASS/CHROME WASHING MACHINE VALVE W/ 3/4" MHT OUTLET)
MIP	PROVIDE PIPE WITH MIP THREAD STUBBED OUT OF WALL IN CONNECTION SIZE SHOWN AND LENGTH COMPATIBLE WITH FIXTURE AND WALL MATERIAL/FINISHES.

TAG	DESCRIPTION	CONNECTION SIZE		ROUGH-IN TYPE	WSFU			COUNT	TOTAL WSFU
		CW	HW		CW	HW	TOTAL		
BFP-1	RPZ BACKFLOW PREVENTER	1/2"		DIRECT	0	0	0	1	0
BFP-2	RPZ BACKFLOW PREVENTER	1 1/2"		DIRECT	0	0	0	1	0
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	0"	1/2"	HOSE 1/2"	0	3	3	1	3
ET-1	EXPANSION TANK	3/4"		DIRECT	0		0	1	0
HB-1	CHEMICAL DISPENSER HOSE BIB	1/2"	1/2"	MIP	2.25	2.25	3	2	6
HB-2	VEGETABLE WASH HOSE BIB	1/2"		MIP	1.5		1.5	1	1.5
HS-1B	RESTROOM HAND SINK FAUCET	1/2"	1/2"	ANGLE 3/8"	1.5	1.5	2	2	4
HS-2	KITCHEN HAND SINK	1/2"	1/2"	ANGLE 3/8"	1.5	1.5	2	3	6
IM-1	ICE MAKER - BOH	1/2"		HOSE 1/2"	1		1	1	1
IM-2	ICE MAKER - SODA	1/2"		HOSE 1/2"	1		1	1	1
IM-3	ICE MAKER - SODA	1/2"		HOSE 1/2"	1		1	1	1
MB-1B	MOP SINK FAUCET	1/2"	1/2"	MIP	2.25	2.25	3	1	3
PF-1	SPEED FILL FAUCET	3/8"		MIP	1.5		1.5	1	1.5
RH-1	FREEZE PROOF ROOF HYDRANT	3/4"		DIRECT	1		1	1	1
SC-1	BAG-IN-BOX SODA RACK WITH CARBONATORS	1/2"		ANGLE 3/8"	1		1	1	1
SK-1	THREE COMPARTMENT SINK	1/2"	1/2"	ANGLE 1/2"	3	3	4	1	4
SK-2	PREP SINK	3/4"	3/4"	ANGLE 3/4"	3	3	4	1	4
TP-3	TRAP PRIMER (THREE-FOUR FLOOR DRAINS)	1/2"		DIRECT	0		0	2	0
WC-1	WATER CLOSET	1/2"		ANGLE 3/8"	2		2	2	4
WH-1	FREEZE PROOF WALL HYDRANT	3/4"		DIRECT	1		1	2	2
WS-1	WATER SOFTENER	1"		DIRECT	0		0	1	0
GRAND TOTAL									44



1 PLUMBING SUPPLY PLAN
P100 1/4" = 1'-0"

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Issue Record:
05/29/2024 PERMIT ISSUE
09/06/2024 CONSTRUCTION ADDENDA

Revisions:
1 09/06/24 CB 01
3 09/27/24 CB 03

Drawn: IJD
Checked: AJD

Project No.
241001

Contents:

PLUMBING WATER
PLAN

P100

GAS PLAN NOTES

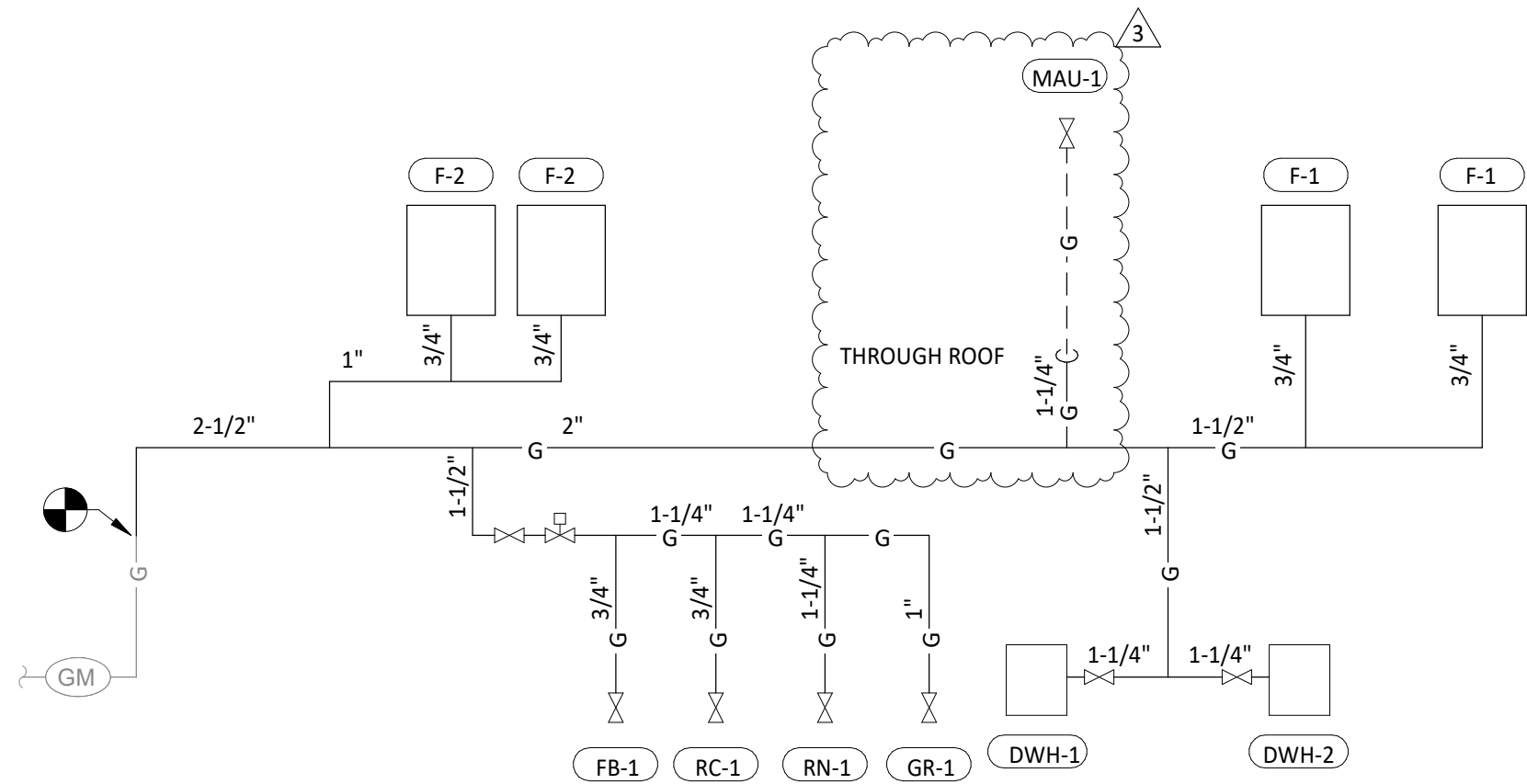
- EXISTING GAS METER PER DETAIL 3 ON THIS SHEET. SEE CIVIL UTILITY PLAN FOR ON-SITE GAS ROUTING.
- PROVIDE GAS CONNECTIONS TO THE COOKING EQUIPMENT PER DETAIL 7/P700.
- SUPPORT THE GAS PIPE ON THE ROOF PER DETAIL 5/P700. WOOD BLOCKING IS NOT AN ACCEPTABLE METHOD OF SUPPORTING THE GAS PIPE.
- PROVIDE ACCESSIBLE LINE-SIZED GAS VALVE, DIRT LEG, AND UNION AT GAS CONNECTION TO THE EQUIPMENT.
- REFER TO ARCHITECTURAL DRAWINGS FOR PAINTING OF INTERIOR AND EXTERIOR EXPOSED GAS PIPE.
- PROVIDE KITCHEN EQUIPMENT GAS SHUTOFF 6" BELOW THE CEILING PER DETAIL 4/P700.
- PROVIDE GAS CONNECTION TO THE RICE COOKER PER DETAIL 6/P700.
- PROVIDE GAS ROUGH-IN TO FRYER BEHIND RICE COOKER TABLE SO THAT VALVES AND DIRT LEG ARE ACCESSIBLE ONCE FRYER IS SECURED INTO PLACE.
- INSTALL COMMON VENTING FOR WATER HEATERS PER MANUFACTURER'S RECOMMENDATIONS WITH STANDARD WALL TERMINATIONS.

PLUMBING GAS CONNECTIONS

TAG	DESCRIPTION	CONNECTION SIZE	EQUIVALENT LENGTH	INPUT
DWH-1	WATER HEATER (GAS TANKLESS)	3/4"	68'	199,000 Btu/h
DWH-2	WATER HEATER (GAS TANKLESS)	3/4"	68'	199,000 Btu/h
F-1	FURNACE	1 3/4"	82'	80,000 Btu/h
F-1	FURNACE	1 3/4"	85'	80,000 Btu/h
F-2	FURNACE	1 3/4"	46'	80,000 Btu/h
F-2	FURNACE	1 3/4"	52'	80,000 Btu/h
FB-1	GAS FRYER	3/4"	62'	90,000 Btu/h
GR-1	GAS GRIDDLE	3/4"	72'	110,000 Btu/h
MAU-1	DIRECT-FIRED MAKEUP AIR UNIT	1/2"	70'	225,000 Btu/h
RC-1	RICE COOKER	3/4"	64'	33,000 Btu/h
RN-1	6 BURNER RANGE	3/4"	70'	192,000 Btu/h
GRAND TOTAL			1,368,000 Btu/h	

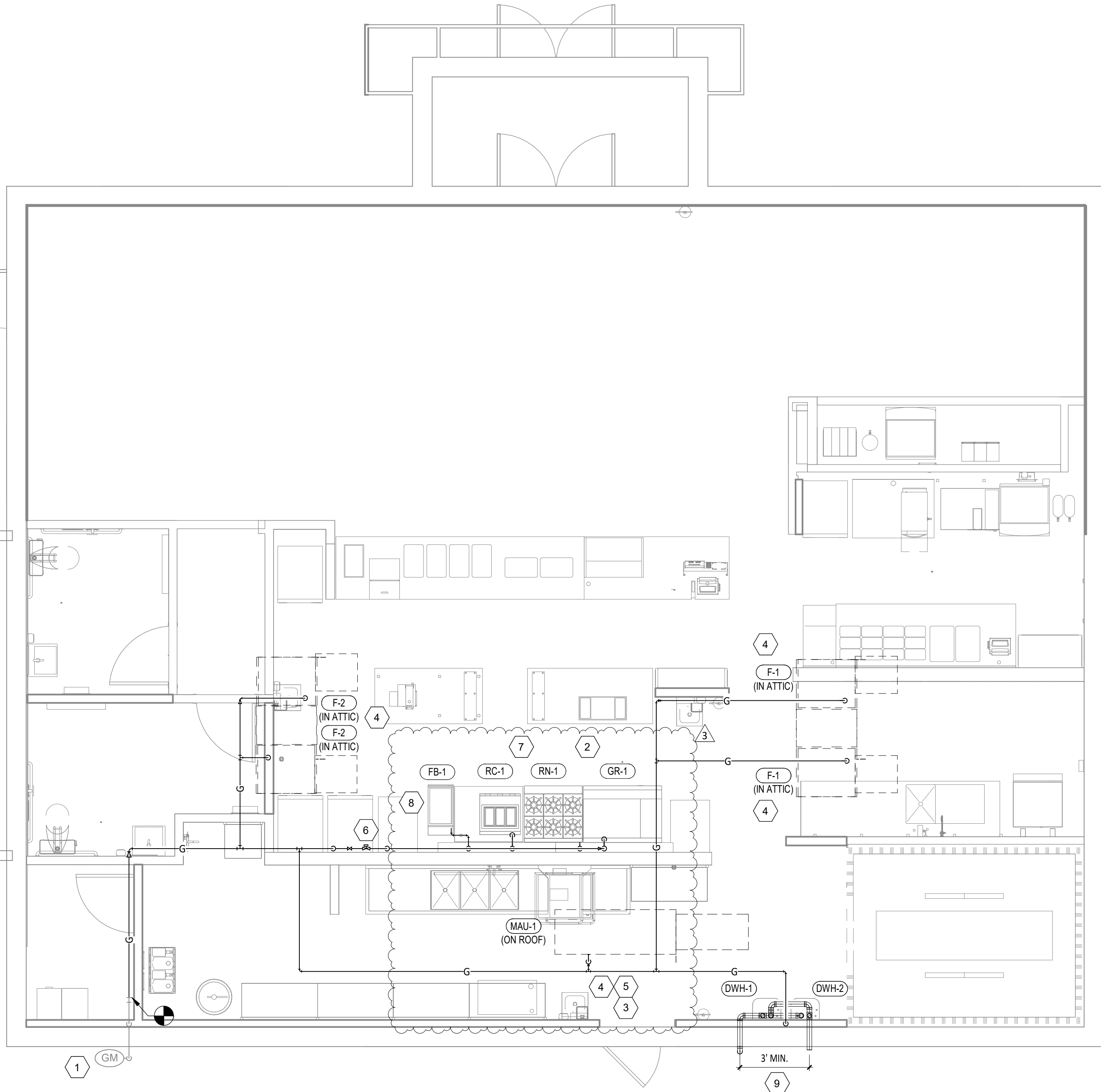
NOTES:

- PRESSURE REQUIRED AFTER METER: 7" W.C.
- DISTANCES ARE APPROXIMATE.



GAS DISTRIBUTION DIAGRAM

NOT TO SCALE



PLUMBING GAS PLAN

1/4" = 1'-0"



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Issue Record:
05/29/2024 PERMIT ISSUE
09/06/2024 CONSTRUCTION ADDENDA

Revisions:
3 09/27/24 CB 03

Drawn: JJD
Checked: AJD

Project No.
241001

Contents:

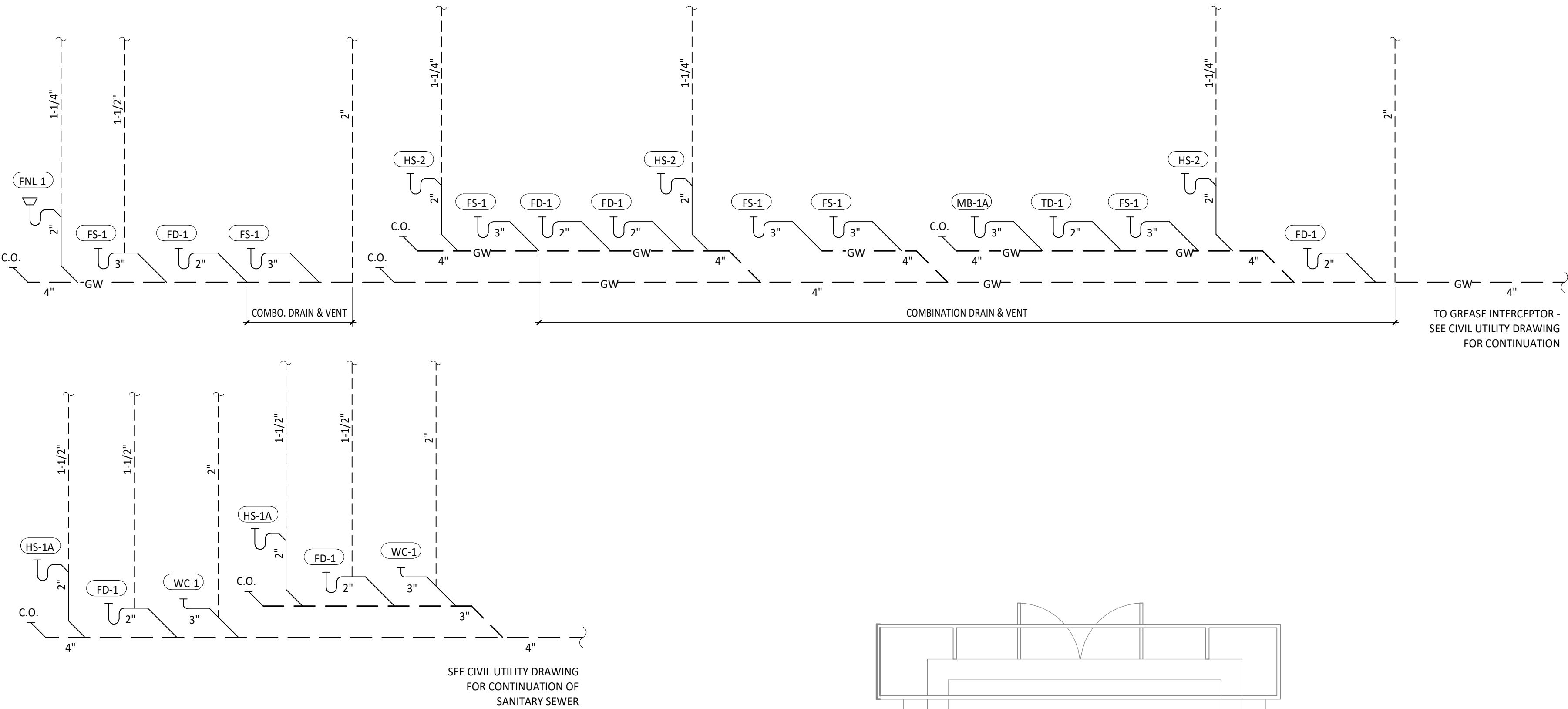
PLUMBING GAS PLAN

P105

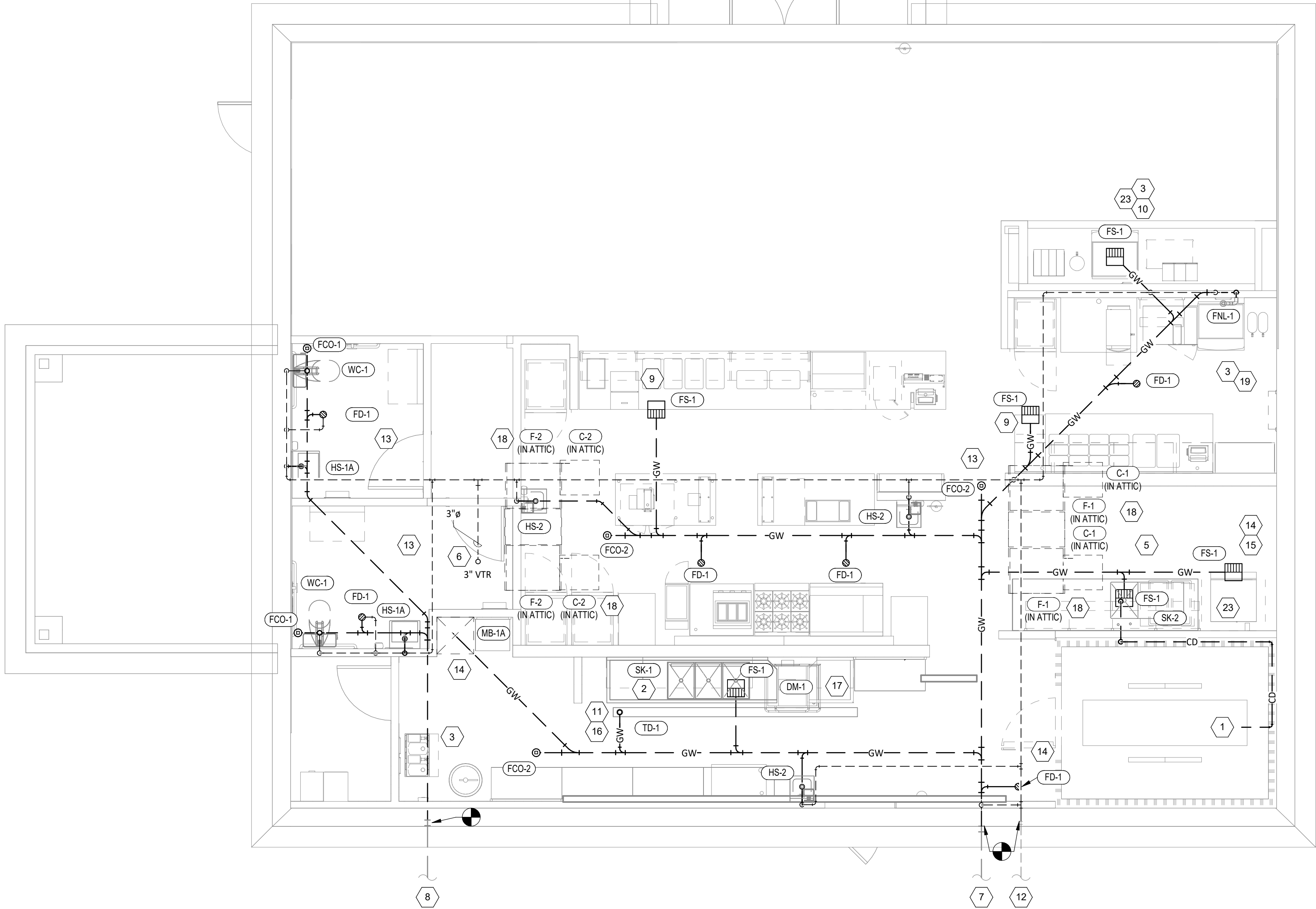
PLUMBING WASTE AND VENT PLAN NOTES

- PROVIDE 3/4" CONDENSATE DRAIN FROM THE WALK-IN COOLER EVAPORATOR TO THE FLOOR SINK BELOW AS SHOWN. SLOPE CONDENSATE DRAIN A MINIMUM OF 1" PER FOOT. HOLD EXPOSED CONDENSATE DRAIN IN WALK-IN COOLER AS HIGH AS POSSIBLE. CONCEAL DRAIN PIPING WITHIN FRAMED WALLS AS SHOWN. DISCHARGE THROUGH AN AIR GAP. MAKE FINAL CONNECTION TO EVAPORATOR INSIDE WALK-IN COOLER USING A UNION. CONDENSATE DRAIN SHOULD PENETRATE WALL AT POINT OF DISCHARGE AT 8" AFF.
- PROVIDE DRAIN CONNECTIONS TO THE THREE COMPARTMENT SINK PER DETAIL 2/P700.
- COORDINATE ROUTING OF SODA BUNDLES WITH COCA-COLA TECHNICIAN FROM BAG-IN-BOX AREA TO EACH SODA FOUNTAIN. OTHER THAN WITHIN THE WALLS DOWN TO THE DRYER BOX THE SODA BUNDLE SHALL BE ROUTED OVERHEAD WITHOUT CONDUIT. COORDINATE SUPPORT AND ROUTING OF THE SODA LINE BUNDLES WITH COCA-COLA TECHNICIAN DURING ROUGH IN AND PROVIDE NECESSARY SUPPORTS. SEE ARCHITECTURAL DRAWINGS FOR SODA BUNDLE TERMINATION LOCATION AND PROVIDE TERMINATION PER DETAIL 12/P700.
- NOT USED.
- PROVIDE DRAIN LINES FROM THE FOOD PREP SINK TO THE FLOOR SINK. PROVIDE AN AIR GAP AT THE DISCHARGE TO THE FLOOR SINK.
- PROVIDE A 3" VENT THROUGH THE ROOF PER DETAIL 3/P700.
- PROVIDE GREASE INTERCEPTOR GI-1. SEE CIVIL UTILITY PLAN FOR GI-1 LOCATION AND FOR CONTINUATION OF 4" GREASE WASTE PIPE TO GI-1.
- SEE CIVIL UTILITY PLAN FOR CONTINUATION OF 4" SANITARY SEWER.
- PROVIDE 3/4" VALVED DRAIN FROM HOT FOOD TABLE TO THE FLOOR SINK. DRAIN THROUGH AN AIR GAP.
- PROVIDE INSULATED COPPER DRAIN LINES FROM THE TEA TRAY DRAIN AND THE SODA MACHINE DRAIN TO THE FLOOR SINK. DRAIN THROUGH AN AIR GAP. HOLD TEA TRAY DRAIN AS HIGH AS POSSIBLE AND SECURE TO STRUCTURE BELOW THE UTENSIL COUNTER.
- TRIM TRENCH DRAIN ENDS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION SO THAT GRATE FITS WITHOUT GAPS. INSTALL TRENCH DRAIN WITH SLIGHT POSITIVE SLOPE TOWARD THE DRAIN CONNECTION TO AVOID STANDING WATER IN TRENCH DRAIN.
- PROVIDE 2" VENT TO GREASE INTERCEPTOR GI-1. SEE CIVIL UTILITY PLAN FOR GI-1 LOCATION.
- DO NOT PROVIDE WALL CLEANOUTS ON TILE OR PUBLICLY-VISIBLE WALLS. IF A WALL CLEANOUT IS REQUIRED ON THESE SURFACE COORDINATE THE EXACT LOCATION WITH CHIPOTLE'S CONSTRUCTION MANAGER.
- PROVIDE INDIRECT WASTE AND CONDENSATE DRAINS FROM FIXTURES OTHER THAN KITCHEN SINKS CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.
- PROVIDE DRAIN FROM WATER FILTER BFP TO FLOOR SINK CONCEALED IN THE WALL AS SHOWN IN DETAIL 9/P700.
- PROVIDE TRENCH DRAIN AS SHOWN IN DETAIL 15/P700.
- INSTALL DRAIN HOSE FURNISHED WITH DISH MACHINE FROM DISH MACHINE OUTLET TO FLOOR SINK. HOLD DRAIN HOSE TIGHT TO WALL AND SECURE TO 3-COMP SINK DRAIN TO MAINTAIN AN AIR GAP AT THE FLOOR SINK.
- PROVIDE CONDENSATE TRAP ON HVAC EQUIPMENT IN ATTIC PER MANUFACTURERS RECOMMENDATIONS. ROUTE CONDENSATE LINE TO NEAREST INDIRECT WASTE RECEPTACLE PER DETAIL 9/P700.
- SEE DETAIL 18/P700 FOR DRAINS FROM TEA TRAY, ICE MAKER, AND SOAD MACHINE TO FUNNEL DRAIN.
- NOT USED.
- NOT USED.
- NOT USED.
- PROVIDE PVC DRAIN PIPES FROM THE ICE MACHINE TO THE FLOOR SINK PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE A CODE-APPROVED AIR GAP AT THE DISCHARGE TO THE FLOOR SINK. SECURE ICE MAKER DRAIN PIPES TO THE BOTTOM OF THE ICE MAKER.

PLUMBING FIXTURE WASTE CONNECTIONS					
TAG	DESCRIPTION	CONNECTION SIZE - WASTE	DFU	COUNT	TOTAL DFU
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	5/8"	7	1	7
FCO-1	FLOOR CLEANOUT (3")	3"	0	2	0
FCO-2	FLOOR CLEANOUT (4")	4"	0	3	0
FD-1	FLOOR DRAIN	2"	2	6	12
FNL-1	FUNNEL DRAIN	2"	2	1	2
FS-1	FLOOR SINK	3"	5	6	30
GI-1	GREASE INTERCEPTOR	4"	0	1	0
HS-1A	RESTROOM HAND SINK	2"	1	2	2
HS-2	KITCHEN HAND SINK	2"	1	3	3
MB-1A	MOP BASIN	3"	2	1	2
SK-1	THREE COMPARTMENT SINK	2"	0	1	0
SK-2	PREP SINK	2"	0	1	0
TD-1	TRENCH DRAIN	2"	2	1	2
WC-1	WATER CLOSET	3"	4	2	8
GRAND TOTAL					68



2 P110 SANITARY WASTE & VENT DIAGRAM NOT TO SCALE



1 P110 SANITARY WASTE & VENT PLAN 1/4" = 1'-0"

Consultant:



1425 WAKARUSA DR. STE B
LAWRENCE, KS 66049
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Issue Record:
05/29/2024 PERMIT ISSUE
09/06/2024 CONSTRUCTION ADDENDA

Revisions:

Drawn: IJD
Checked: AJD

Project No.
241001

Contents:

PLUMBING PLAN
WASTE & VENT

P110

Consultant:



Blanchard AE Group

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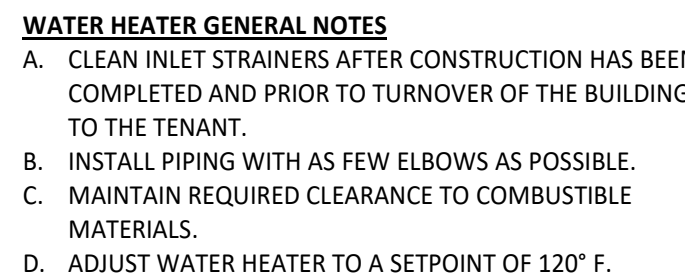
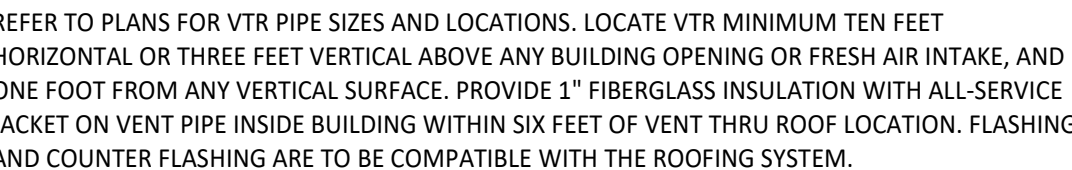
Contents:

PLUMBING
SCHEDULES

P600

PLUMBING FIXTURE SCHEDULE														
TAG	DESCRIPTION	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS	COUNT	CONNECTION SIZE			WATER SUPPLY FIXTURE UNITS			DRAINAGE FIXTURE UNITS
				MANUFACTURER	MODEL			CW	HW	WASTE	CW	HW	TOTAL	
BFP-1	RPZ BACKFLOW PREVENTER	GC	GC	CONBRACO	4ALF-203-T2F	LEAD FREE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH AUTOMATIC DIFFERENTIAL RELIEF VALVE	1	1/2"			0	0	0	
BFP-2	RPZ BACKFLOW PREVENTER	EXG	EXG	CONBRACO	4ALF-207	LEAD FREE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH AUTOMATIC DIFFERENTIAL RELIEF VALVE AND AIR GAP FITTING	1	1 1/2"			0	0	0	
DM-1	DISH SANITIZING MACHINE (PUMPED OUTLET)	KES	GC	SEE ARCH	--	CHEMICAL SANITIZING DISH MACHINE WITH INTEGRAL ELECTRIC BOOSTER HEATER AND PUMPED OUTLET	1	0"	1/2"	5/8"	0	3	3	7
ET-1	EXPANSION TANK	GC	GC	AMTROL	ST-5	2 GALLON CAPACITY	1	3/4"			0		0	
FB-1	GAS FRYER	KES	GC	SEE ARCH	--		1							
FCO-1	FLOOR CLEANOUT (3")	GC	GC	SIOUX CHIEF	852-3PNR	ON-GRADE ADJUSTABLE CLEANOUT WITH INTERNAL THREADED CLEANOUT PLUG AND ROUND NICKEL-BRONZE RING AND COVER (OR APPROVED EQUAL WITH INTERNAL THREADED CLEANOUT PLUG)	2			3"				0
FCO-2	FLOOR CLEANOUT (4")	GC	GC	SIOUX CHIEF	852-4PNR	ON-GRADE ADJUSTABLE CLEANOUT WITH INTERNAL THREADED CLEANOUT PLUG AND ROUND NICKEL-BRONZE RING AND COVER (OR APPROVED EQUAL WITH INTERNAL THREADED CLEANOUT PLUG)	3			4"				0
FD-1	FLOOR DRAIN	GC	GC	SIOUX CHIEF	842-2-PNR	ADJUSTABLE FLOOR DRAIN WITH PVC BODY, ROUND POLISHED METAL RING AND STRAINER, AND TRAP PRIMER PORT	6	1/2"		2"				2
FNL-1	FUNNEL DRAIN	GC	GC	JAY R. SMITH	3823T	FUNNEL DRAIN WITH CAST BRONZE BODY AND THREADED OUTLET	1			2"				2
FS-1	FLOOR SINK	GC	GC	SIOUX CHIEF	861-3PU2	HEAVY DUTY PVC FLOOR SINK WITH ALUMINUM DOME BOTTOM STRAINER AND OPEN HALF PVC GRATE	6			3"				5
GI-1	GREASE INTERCEPTOR	EXG	EXG	CUSTOM	--	2,000 GALLON PRECAST GREASE INTERCEPTOR	1			4"				0
GR-1	GAS GRIDDLE	KES	GC	SEE ARCH	--		1							
HB-1	CHEMICAL DISPENSER HOSE BIB	KES	GC	SEE ARCH	--	COMMERCIAL QUALITY HOT & COLD MIXING WALL HYDRANT. SUPPLY ARMS SHALL HAVE INTEGRAL SHUT-OFF STOP AND CHECK VALVE. FAUCET HAS FEMALE NPT INLETS.	2	1/2"	1/2"		2.25	2.25	3	
HB-2	VEGETABLE WASH HOSE BIB	KES	GC	SEE ARCH	--	SILL FAUCET WITH NPT FEMALE INLET	1	1/2"			1.5		1.5	
HS-1A	RESTROOM HAND SINK	GC	GC	AMERICAN STANDARD	9024.001EC	ADA-ACCESSIBLE, WALL-MOUNTED, PORCELAIN LAVATORY. PROVIDE ZURN Z1231 (Z1231-D FOR BACK-TO-BACK APPLICATIONS) CONCEALED ARM CARRIER IN WALL. APPROVED ALTERNATE: KOHLER K-2084	2			2"				1
HS-1B	RESTROOM HAND SINK FAUCET	KES	GC	SEE ARCH	--	PLUG-IN AUTOMATIC FAUCET WITH 0.5 GPM AERATOR AND THERMOSTATIC MIXING VALVE. ADJUST FAUCET CONTROLS FOR 10 SECOND SHUTOFF DELAY AND 30 SECOND TIME-OUT DELAY.	2	1/2"	1/2"		1.5	1.5	2	
HS-2	KITCHEN HAND SINK	KES	GC	SEE ARCH	--	STAINLESS STEEL SINK WITH WALL MOUNTING BRACKET AND BACKSPLASH MOUNTED FAUCET WITH SWIVEL GOOSENECK	3	1/2"	1/2"	2"	1.5	1.5	2	1
IM-1	ICE MAKER - BOH	KES	KES	SEE ARCH	--	BACK OF HOUSE ICE MAKER WITH BIN (STANDARD CAPACITY REMOTE AIR COOLED)	1	1/2"			1		1	
IM-2	ICE MAKER - SODA	KES	KES	SEE ARCH	--	SODA MACHINE-MOUNTED ICE MACHINE (INTEGRAL AIR COOLED)	1	1/2"			1		1	
IM-3	ICE MAKER - SODA	KES	KES	SEE ARCH	--	SODA MACHINE-MOUNTED ICE MACHINE (REMOTE AIR COOLED)	1	1/2"			1		1	
MB-1A	MOP BASIN	GC	GC	FIAT	MSB2424	PROVIDE 24"x24"x10" MOLDED-STONE MOP BASIN. INSTALL MOP BASIN IN A BED OF GROUT SO THERE ARE NO VOIDS BETWEEN THE MOP BASIN AND THE SLAB.	1			3"				2
MB-1B	MOP SINK FAUCET	KES	GC	SEE ARCH	--	SERVICE SINK FAUCET WITH BUILT IN STOPS, LEVER HANDLES, WALL BRACE, AND NPT FEMALE INLETS	1	1/2"	1/2"		2.25	2.25	3	
PF-1	SPEED FILL FAUCET	KES	GC	SEE ARCH	--	WALL-MOUNTED POT FILLER W/ SELF-CLOSING FILLER VALVE AND NPT FEMALE INLET	1	3/8"			1.5		1.5	
RC-1	RICE COOKER	KES	GC	SEE ARCH	--		1							
RH-1	FREEZE PROOF ROOF HYDRANT	GC	GC	HOEPTNER	2131R	AUTOMATIC DRAINING, FREEZELESS ROOF HYDRANT WITH ANTI-SIPHON VACUUM BREAKER. HOEPTNER PRODUCTS (408) 847-7615	1	3/4"			1		1	
RN-1	6 BURNER RANGE	KES	GC	SEE ARCH	--		1							
SC-1	BAG-IN-BOX SODA RACK WITH CARBONATORS	SPS	SPS	SEE ARCH	--	SODA CARBONATOR(S) SHALL HAVE AN INTEGRAL ASSE 1022-RATED CARBONATED BEVERAGE BACKFLOW PREVENTION DEVICE.	1	1/2"			1		1	
SK-1	THREE COMPARTMENT SINK	KES	GC	SEE ARCH	--	THREE-COMPARTMENT WARE-WASHING SINK FURNISHED WITH (1) PRE-RINSE UNIT WITH ADD-ON FAUCET	1	1/2"	1/2"	2"	3	3	4	0
SK-2	PREP SINK	KES	GC	SEE ARCH	--	STAINLESS STEEL PREP TABLE WITH INTEGRAL PREP SINK. FURNISHED WITH "BIG FLO" FAUCET	1	3/4"	3/4"	2"	3	3	4	0
TD-1	TRENCH DRAIN	GC	GC	ZURN	Z886 8601 8602	6" X 160" HDPE TRENCH DRAIN (SLOPED FROM 3.50" TO 4.70") WITH (2) CLOSED END CAPS, (1) 4" NO-HUB BOTTOM OUTLET, AND CLASS-A HEEL-PROOF POLYETHYLENE GRATES. SEE DETAIL ON SHEET P700 FOR REDUCTION TO 2" DRAIN CONNECTION.	1			2"				2
TP-3	TRAP PRIMER (THREE-FOUR FLOOR DRAINS)	GC	GC	PRECISION PLUMBING PRODUCTS	P1-500 W/ DU-U	TRAP PRIMER WITH INTEGRAL VACUUM BREAKER AND DISTRIBUTION UNIT. CAP UNUSED DISTRIBUTION UNIT OUTLETS.	2	1/2"			0		0	
WC-1	WATER CLOSET	GC	GC	KOHLER	K-3519 W/ SEAT K-4666-C	WHITE HIGHLIGHT 1.0 GPF, 17-1/8"-HIGH, ADA ACCESSIBLE, PRESSURE ASSIST WATER CLOSET WITH OPEN-FRONT SEAT. INSTALL TRIP LEVER ON THE TANK TO THE OPEN SIDE OF THE STALL (ADD -RA TO THE MODEL #FOR RIGHT HAND TRIP LEVER).	2	1/2"		3"	2		2	4
WH-1	FREEZE PROOF WALL HYDRANT	EXG	EXG	WOODFORD	MODEL 65	AUTOMATIC DRAINING, FREEZELESS WALL HYDRANT WITH ANTI-SIPHON VACUUM BREAKER. PROVIDE WITH STEM LONG ENOUGH TO REACH INSIDE THE THERMAL ENVELOPE OF THE BUILDING.	2	3/4"			1		1	
WS-1	WATER SOFTENER	KES	GC	CUNO	CF5M1254E	POINT OF ENTRY HIGH CAPACITY WATER TREATMENT SYSTEM. PROVIDE STARTUP PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.	1	1"			0		0	

WATER HEATER SCHEDULE									
TAG	DESCRIPTION	NATURAL GAS		ELECTRICAL	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN		REMARKS
		INPUT	CONNECTION SIZE				MANUFACTURER	MODEL	
DWH-1	WATER HEATER (GAS TANKLESS)	199,000 Btu/h	3/4"	V/P/H 120/1/60	GC	GC	NAVIENT	NPE-240A2	RATED FLOW RATE: 5.6 GPM @ 67°F RISE THERMAL EFFICIENCY: 96% PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET" AND COMMON VENT COLLAR KIT. GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIENT AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIENT.COM TO LOCATE AUTHORIZED DISTRIBUTOR).
DWH-2	WATER HEATER (GAS TANKLESS)	199,000 Btu/h	3/4"	120/1/60	GC	GC	NAVIENT	NPE-240A2	RATED FLOW RATE: 5.6 GPM @ 67°F RISE THERMAL EFFICIENCY: 96% PROVIDE WITH LEAD FREE "PLUMB EASY VALVE SET" AND COMMON VENT COLLAR KIT. GC SHALL PURCHASE WATER HEATER DIRECTLY THROUGH A NAVIENT AUTHORIZED DISTRIBUTOR (1-800-519-8794 OR WWW.NAVIENT.COM TO LOCATE AUTHORIZED DISTRIBUTOR).



SECTION 16011 TEMPORARY & PERMANENT ELECTRICAL SERVICE

PART 1 - GENERAL

1.1 DEFINITIONS

- A. GFCI: Ground fault current interrupter.
B. RMS: Root Mean Square
C. SPDT: Single Pole, Double Throw

1.2 USE CHARGES

- A. General: Cost or use charges for temporary facilities are not chargeable to Tenant, Architect, or Engineer and shall be included in the Contract Sum. Allow other entities to use temporary services and facilities without cost, including, but not limited to, the following:
1. Tenant's construction forces.
 2. Occupants of Project.
 3. Architect.
 4. Engineer.
 5. Testing agencies.
 6. Personnel of authorities having jurisdiction.
- B. Permanent Service: Coordinate with building Tenant and utility company to establish permanent service upon completion of the project. Contractor shall pay for all permits, aid-to-construction charges, and related fees associated with the new service.

1.3 NOTIFICATION

- A. Coordinate with Tenant to provide 72 hour written notification to other tenants of any power interruptions. Notification shall state the estimated time and duration of the electrical outage.

1.4 QUALITY ASSURANCE

- A. Standards: Comply with ANSI A10.6, NECA's "Temporary Electrical Facilities," and NFPA 241.
1. Trade Jurisdictions: Assigned responsibilities for installation and operation of temporary utilities are not intended to interfere with trade regulations and union jurisdictions.
 2. Electric Service: Comply with NECA, NEMA and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
 3. Comply with OSHA standards and regulations.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Electrical Outlets: Properly configured, NEMA-polarized outlets to prevent insertion of 110- to 120-V plugs into higher-voltage outlets; equipped with ground-fault circuit interrupters, reset button, and pilot light.
- B. Power Distribution System Circuits: Where permitted and overhead and exposed for surveillance, wiring circuits, not exceeding 125-V ac, 20-A rating, and lighting circuits may be nonmetallic sheathed cable.
- C. Main panelboard with disconnect.
- D. Temporary lighting.
- E. 120 volt receptacles with overcurrent protection.
- F. Enclosures: NEMA AB 1 and NEMA KS 1 to meet environmental conditions of installed location.
1. Outdoor Locations: NEMA 250, Type 3R.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Electric Power Service: Provide weatherproof, grounded electric power service and distribution system of sufficient size, capacity, and power characteristics during construction period. Include meters, transformers, and overload-protected disconnecting means.
1. Install power distribution wiring overhead and rise vertically where least exposed to damage.
- B. Electric Distribution: Provide receptacle outlets adequate for connection of power tools and equipment.
1. Provide waterproof connectors to connect separate lengths of electrical power cords if single lengths will not reach areas where construction activities are in progress. Do not exceed safe length-voltage ratio.
 2. Provide metal conduit, tubing, or metallic cable for wiring exposed to possible damage. Provide rigid steel conduits for wiring exposed on grades, floors, decks, or other traffic areas.
 3. Provide metal conduit enclosures or boxes for wiring devices.
 4. Provide 4-gang outlets, spaced so 1 DO-foot (30-m) extension cord can reach each area for power hand tools and task lighting. Provide a separate 125-V ac, 20-A circuit for each outlet.
- C. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations and traffic conditions.
1. Install and operate temporary lighting that fulfills security and protection requirements without operating entire system.
 2. Provide one 100-W incandescent lamp (or equivalent) every 50 feet (15 m) in traffic areas.
 3. Install exterior-yard site lighting that will provide adequate illumination for construction operations, parking and traffic conditions, and signage visibility when the Work is being performed.

END OF SECTION 16011

SECTION 16060 - GROUNDING AND BONDING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes grounding of electrical systems and equipment. Grounding requirements specified in this Section may be supplemented by special requirements of systems described in other Sections.

1.2 QUALITY ASSURANCE

- A. Testing Agency Qualifications: Testing agency as defined by OSHA in 29 CFR 1910.7 or a member company of the International Electrical Testing Association and that is acceptable to authorities having jurisdiction.
1. Testing Agency's Field Supervisor: Person currently certified by the International Electrical Testing Association to supervise on-site testing specified in Part 3.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
1. Comply with UL 467.

PART 2 - PRODUCTS

2.1 GROUNDING CONDUCTORS

- A. For insulated conductors, comply with Division 16 Section "Wiring Methods."
- B. Material: Copper.
- C. Equipment Grounding Conductors: Insulated with green-colored insulation.
- D. Grounding Electrode Conductors: Stranded cable.
- E. Bare Copper Conductors: Comply with the following:
1. Solid Conductors: ASTM B 3.
 2. Assembly of Stranded Conductors: ASTM B 8.

2.2 CONNECTOR PRODUCTS

- A. Comply with IEEE 837 and UL 467; listed for use for specific types, sizes, and combinations of conductors and connected items.

PART 3 - EXECUTION

3.1 APPLICATION

- A. Use only copper conductors.
- B. In raceways, use insulated equipment grounding conductors.
- C. Equipment Grounding Conductor Terminations: Use bolted pressure clamps.
- D. Grounding Bus: Install in electrical and telephone equipment rooms, in rooms housing service equipment, and elsewhere as indicated.
1. Use insulated spacer; space 1 inch from wall and support from wall 6 inches above finished floor, unless otherwise indicated.
 2. At doors, route the bus up to the top of the door frame, across the top of the doorway, and down to the specified height above the floor.

3.2 EQUIPMENT GROUNDING CONDUCTORS

- A. Comply with NFPA 70, Article 250, for types, sizes, and quantities of equipment grounding conductors, unless specific types, larger sizes, or more conductors than required by NFPA 70 are indicated.

3.3 INSTALLATION

- A. Grounding Conductors: Route along shortest and straightest paths possible, unless otherwise indicated. Avoid obstructing access or placing conductors where they may be subjected to strain, impact, or damage.

3.4 CONNECTIONS

- A. General: Make connections so galvanic action or electrolysis possibility is minimized. Select connectors, connection hardware, conductors, and connection methods so metals in direct contact will be galvanically compatible.
- B. Equipment Grounding Conductor Terminations: For No. 8 AWG and larger, use pressure-type grounding lugs. No. 10 AWG and smaller grounding conductors may be terminated with winged pressure-type connectors.
- C. Tighten screws and bolts for grounding and bonding connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A.
- D. Compression-Type Connections: Use hydraulic compression tools to provide correct circumferential pressure for compression connectors. Use tools and dies recommended by connector manufacturer. Provide embossing die code or other standard method to make a visible indication that a connector has been adequately compressed on grounding conductor.

END OF SECTION 16060

SECTION 16100 - WIRING METHODS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Summary: Building wire and cable and associated splices, connectors, and terminations for wiring systems rated 600 V and less, and twisted-pair cable; and raceways and boxes.

PART 2 - PRODUCTS

2.1 WIRES AND CABLES

- A. Connectors and Splices: Wiring connectors of size, ampacity rating, material, and type and class for application and for service indicated.

2.2 RACEWAYS

- A. Wireways: Screwed cover type, with manufacturers standard finish.
- B. Outlet and Device Boxes: Sheet metal boxes, except use cast-metal boxes at exterior, interior exposed, and interior damp locations.
- C. Pull and Junction Boxes: Sheet metal boxes, except use nonmetallic boxes with gasketed covers at exterior and interior damp locations.

2.3 ENCLOSURES

- A. Hinged-Cover Enclosures: NEMA 250, steel enclosure with continuous hinge cover and flush latch. Finish inside and out with manufacturer's standard enamel.
- B. Cabinets: NEMA 250, Type 1, unless otherwise indicated.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install wires and cables according to the NECA's "Standard of Installation.
- B. Wiring at Outlets: Install with at least 12 inches of slack conductor at each outlet.
- C. Conceal wiring, unless otherwise indicated, within finished walls, ceilings, and floors.
- D. Boxes and Enclosures: In damp or wet locations use NEMA 250, Type 4, stainless steel.
- E. Use raceway fittings compatible with raceway and suitable for use and location. For intermediate metal conduit, use threaded rigid steel conduit fittings, unless otherwise indicated.
- F. Raceways Embedded in Slabs: Install in middle third of the slab thickness where practical, and leave at least 1 -inch concrete cover.
- G. Install exposed raceways parallel to or at right angles to nearby surfaces or structural members, and follow the surface contours as much as practical.
- H. Join raceways with fittings designed and approved for the purpose and make joints tight. Use bonding bushings or wedges at connections subject to vibration. Use bonding jumpers where joints cannot be made tight. Use insulating bushings to protect conductors.
- I. Install pull wires in empty raceways. Use No. 14 AWG zinc-coated steel or monofilament plastic line having not less than 200-lb tensile strength. Leave not less than 18 inches of slack at each end of the pull wire.
- J. Install raceway sealing fittings where required by the NEC and at wiring entrances to refrigerated spaces. Locate at suitable, approved, accessible locations and fill them with UL-listed sealing compound. For concealed raceways, install each fitting in a flush steel box with a blank cover plate having a finish similar to that of adjacent plates or surfaces.
- K. Stub-up Connections for Equipment: Extend conductors to equipment with rigid metal conduit; flexible metal conduit may be used 3 inches above the floor.
- L. Install a separate green ground conductor in surface metal raceway from the junction box supplying the raceway to receptacle and fixture ground terminals.

3.2 IDENTIFICATION MATERIALS AND DEVICES

- A. Install at locations for most convenient viewing without interference with operation and maintenance of equipment.
- B. Coordinate names, abbreviations, colors, and other designations used for electrical identification with corresponding designations indicated in the Contract Documents or required by codes and standards. Use consistent designations throughout Project.
- C. Identify raceways and cables with color banding as follows:
1. Bands: Pretensioned, snap-around, colored plastic sleeves or colored encircling conduit, and place adjacent bands of two-color markings in contact, side by side.
 2. Band Locations: At changes in direction, at penetrations of walls and floors, at 50-foot maximum intervals in straight runs, and at 25-foot maximum intervals in congested areas.
 3. Colors: As follows:
 - a. Telecommunication System: Green and yellow.
- D. Color-code System secondary service, feeder, and branch-circuit conductors throughout the secondary electrical system as follows:

	120/208V	277/480V
1. Phase A:	Black	Brown
2. Phase B:	Red	Orange
3. Phase C:	Blue	Yellow
4. Neutral:	White	Gray
5. Ground:	Green	Green

END OF SECTION 16100

SECTION 16140 - WIRING DEVICES

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: None.
- B. Comply with NEMA WD 1.
- C. Comply with NFPA 70.

PART 2 - PRODUCTS

2.1 DEVICES

- A. General: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.
- B. Color: Per Material Schedule on sheet E010.
- C. Receptacles: Heavy-Duty grade, NEMA WD6, Configuration 5-20R unless otherwise indicated.
- D. Ground-Fault Circuit Interrupter Receptacles: integral duplex receptacle; for installation in box without an adapter. Feed-through type, with a 2-3/4-inch- deep outlet
- E. Isolated-Ground Receptacles: Equipment grounding contacts connected only to the green grounding screw terminal of the device with inherent electrical isolation from mounting strap.
- F. Snap Switches: Heavy-duty, quiet type.
- G. Wall Plate: Per Material Schedule on sheet E010.
- H. Floor Service Fittings: Modular, above-floor, dual-service units suitable for wiring method used.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install devices and assemblies plumb and secure.
- B. Mount devices flush with long dimension vertical unless otherwise indicated.
- C. Protect devices and assemblies during painting.
- D. Install wall plates when painting is complete and paint is cured.

END OF SECTION 16140

SECTION 16442 - PANELBOARDS

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: None.
- B. Comply with NFPA 70.
- C. Comply with NEMA PB 1.

PART 2 - PRODUCTS

2.1 PANELBOARDS AND LOAD CENTERS

- A. Manufacturers: Subject to compliance with requirement, provide products by one of the following:
1. Panelboards, Overcurrent Protective Devices, Controllers, Contactors, and Accessories:
 - a. Square D Co.
 - b. Eaton Corp.; Cutler-Hammer Products.
 - c. General Electric Co.; Electrical Distribution & Control Div.
 - d. Siemens Energy & Automation.
 - B. Recessed, NEMA PB 1, Type 1.
 1. Load Center Capacity: as shown on drawings.
 2. Front: Secured to box with concealed trim clamps.
 3. Doors: With concealed hinges, flush catches, and tumbler locks, all keyed alike.
 4. Bus: Hard drawn copper of 98 percent conductivity.
 - C. Molded-Case Circuit Breakers: NEMA AB 1, plug-in type, Single-handle for multipole circuit breakers. Appropriate for application, including Type SWD for repetitive switching lighting loads and Type HACR for heating, air-conditioning, and refrigerating equipment.
 - D. Contactors: NEMA ICS 2, Class A combination contactors.
- PART 3 - EXECUTION
- 3.1 INSTALLATION
- A. Install panelboards and accessory items according to NEMA PB 1.1. Provide typed, permanently-mounted English and Spanish circuit directories showing the panel schedules as installed in each panelboard.
- B. Mounting Heights: Top of trim 74 inches above finished floor, unless otherwise indicated.
- C. Future Circuit Provisions at Flush Panel boards: Stub four empty 3/4-inch conduits from panelboard into accessible or designated ceiling space.
- D. Wiring in Panelboard Gutters: Arrange conductors into groups, bundle and wrap with wire ties according to NEC guidelines.
- E. Tighten electrical connectors and terminals, including grounding connections, according to manufacturer's published torque-tightening values. Where manufacturer's torque values are not indicated, use those specified in UL 486A.
- F. Perform visual and mechanical inspections and electrical tests stated in NETA ATS.

END OF SECTION 16442

SECTION 16500 - LIGHTING

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Submittals: None.
- B. Fixtures, Emergency Lighting Units, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.
- C. Coordinate ceiling-mounted luminaires with ceiling construction, mechanical work, and security and fire-prevention features mounted in ceiling space and on ceiling.
- PART 2 - PRODUCTS
- 2.1 FIXTURES AND FIXTURE COMPONENTS, GENERAL
- A. Metal Parts: Free from burrs, sharp corners, and edges. Steel, unless otherwise indicated. Form and support to prevent warping and sagging.
- B. Doors, Frames, and Other Internal Access: Smooth operating, free from light leakage under operating conditions, and arranged to permit re-lamping without use of tools. Arrange doors, frames, lenses, diffusers, and other pieces to prevent accidental falling during re-lamping and when secured in operating position.
- C. Lenses, Diffusers, Covers, and Globes: 100 percent virgin acrylic plastic or annealed crystal glass, unless otherwise indicated.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Set units level, plumb, and square with ceiling and walls, and secure.
- B. Support for Recessed and Semirecessed Grid-Type Fluorescent Fixtures: Install ceiling support system rods or wires at a minimum of 4 rods or wires for each fixture, located not more than 6 inches from fixture corners.
- C. Support for Suspended Fixtures: Support according to manufacturers' recommendations.
- D. Lamping: Where specific lamp designations are not indicated, lamp units according to manufacturer's written instructions.

END OF SECTION 16500

ELECTRICAL SYMBOLS

	CONDUIT CONCEALED ABOVE THE CEILING, IN A WALL, OR IN A RACEWAY
	CONDUIT CONCEALED BELOW THE SLAB
	HOME-RUN TO PANELBOARD AND CIRCUIT NUMBER SHOWN
	PLAN NOTE: SEE PLAN NOTES LISTED ON THE SAME SHEET FOR NOTE MEANING
	DISCONNECT SWITCH: X = SWITCH RATING Y = FUSE SIZE (NF = NON-FUSED) Z = NUMBER OF POLES
	JUNCTION BOX
	ELECTRIC PANELBOARD
	GENERAL PURPOSE 1-POLE SWITCH
	MANUAL STARTER WITH PILOT LIGHT
	NEMA 5-20R 1-PLEX RECEPTACLE
	NEMA 5-20R DUPLEX RECEPTACLE
	NEMA 5-20R DUPLEX GFCI RECEPTACLE
	NEMA 5-20R DOUBLE-DUPLEX RECEPTACLES
	NEMA 5-20R DUPLEX COMBINATION ISOLATED GROUND/GFI RECEPTACLE PASS & SEYMOUR MODEL#2095IGTRGRY (GRAY)
	OTHER RECEPTACLE - SEE PLAN FOR RATING AND TYPE
	JUNCTION BOX FOR RJ-45 DATA OUTLETS. PROVIDE 1" CONDUIT WITH PULL STRING FROM J-BOX TO ABOVE OFFICE CEILING. TERMINATE CONDUIT WITH CONDUIT BUSHING.
	DOUBLE GANG JUNCTION BOX FOR RJ-45 DATA OUTLETS. PROVIDE 1" CONDUIT WITH PULL STRING FROM J-BOX TO ABOVE OFFICE CEILING. TERMINATE CONDUIT WITH CONDUIT BUSHING.
	JUNCTION BOX FOR RJ-11 TELEPHONE OUTLETS. PROVIDE 1" CONDUIT WITH PULL STRING FROM J-BOX TO ABOVE OFFICE CEILING. TERMINATE CONDUIT WITH CONDUIT BUSHING.
	SECURITY SYSTEM KEYPAD: SEE ELECTRICAL POWER PLAN FOR MORE INFORMATION.
	SECURITY SYSTEM DOOR CONTACT: SEE ELECTRICAL POWER PLAN FOR MORE INFORMATION.

ELECTRICAL MATERIAL SCHEDULE

	APPLICATION	ALLOWABLE MATERIAL
CONDUCTORS		
	#8 AWG AND LARGER	STRANDED CU, TYPE THHN/THWN OR XHHW
	#10 AWG AND SMALLER	SOLID CU, TYPE THHN/THWN OR XHHW
	FIELD-MADE CORD (EXPOSED INDOOR LOCATIONS)	TYPE SO OR SJO SERVICE CORD WITH CU CONDUCTORS
CONDUITS		
	CONNECTION TO VIBRATING EQUIPMENT (EXPOSED INDOOR DRY LOCATIONS)	FLEXIBLE METAL CONDUIT
	CONNECTION TO VIBRATING EQUIPMENT (EXPOSED WET OR DAMP LOCATIONS)	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
	INDOOR, CONCEALED ABOVE GRADE	ELECTRICAL METALLIC TUBING, FLEXIBLE METAL CONDUIT, OR METAL CLAD CABLE
	INDOOR, EXPOSED	ELECTRICAL METALLIC TUBING U.N.O.
	INDOOR, WITHIN 1-1/2" OF ROOF DECK	INTERMEDIATE METAL CONDUIT
	LOW OR LINE VOLTAGE, BELOW GRADE	RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC)
	LOW VOLTAGE, INDOOR, ABOVE GRADE	ELECTRICAL METALLIC TUBING
	OUTDOOR, ABOVE GRADE, EXPOSED OR CONCEALED	INTERMEDIATE METAL CONDUIT
WIRING DEVICES		
	IG OR IG/GFI RECEPTACLES	GRAY DEVICE WITH STAINLESS STEEL COVER PLATE
	IN KITCHEN, OFFICE, OR NON-PUBLIC SPACES	GRAY DEVICE WITH STAINLESS STEEL COVER PLATE
	IN RESTROOMS	WHITE DEVICE WITH WHITE COVER PLATE
	ON DRYWALL IN DINING ROOM	WHITE DEVICE WITH WHITE COVER PLATE
	ON HOT ROLLED STEEL, RICHLITE, OR OTHER BLACK FINISHES	BLACK DEVICE WITH BLACK COVER PLATE

ELECTRICAL ABBREVIATIONS

(E)	EXISTING
ABV	ABOVE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
BOH	BACK OF HOUSE
CLG	CEILING
CTE	CONNECT TO EXISTING
DN	DOWN
EXG	EXISTING
FLR	FLOOR
FOH	FRONT OF HOUSE
GFCI	GROUND FAULT CURRENT INTERRUPTER
GYP	GYPSPUM BOARD
IG	ISOLATED GROUND
MSS	TENANT'S MUSIC SYSTEMS SUPPLIER
NF	NON-FUSED
NL	NIGHT LIGHT
NTS	NOT TO SCALE
O/H	OVERHEAD
TYP	TYPICAL
U/G	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
W/	WITH
WIC	WALK-IN COOLER
WP	WEATHERPROOF

CO2AS	TENANT'S CO2 ALARM SUPPLIER
GC	GENERAL CONTRACTOR
HES	TENANT'S HVAC EQUIPMENT SUPPLIER
HS	TENANT'S HOOD SUPPLIER
KES	TENANT'S KITCHEN EQUIPMENT SUPPLIER
LL	LANDLORD
SPS	TENANT'S SODA POP SUPPLIER
TAB	TENANT'S TEST AND BALANCE VENDOR
TCC	TENANT'S CABLING CONTRACTOR
TDC	TENANT'S DUCT CLEANER
TEMS	TENANT'S ENERGY MANAGEMENT SYSTEM SUPPLIER
TLS	TENANT'S LIGHT/LAMP SUPPLIER
TMB	TENANT'S MENU BOARD SUPPLIER
TMS	TENANT'S MILLWORK SUPPLIER
TP	TENANT'S PHONE SUPPLIER
TPS	TENANT'S PANELBOARD SUPPLIER
TRS	TENANT'S RAILING SUPPLIER
TSV	TENANT'S SIGN VENDOR
TUV	TENANT'S UV SNATIZER SUPPLIER
WCS	TENANT'S WALK-IN COOLER SUPPLIER
WHS	TENANT'S WATER HEATER SUPPLIER

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Issue Record:	
05/29/2024	PERMIT ISSUE
09/06/2024	CONSTRUCTION ADDENDA

Revisions:	
1	09/06/24 CB 01

Drawn:	Checked:
IJD	AJD

Project No.

241001

Contents:

ELECTRICAL SPECIFICATIONS

E010

LIGHTING FIXTURE SCHEDULE

TAG	COUNT	DESCRIPTION	MOUNTING	VOLTAGE	WATTS	FURNISHED BY	INSTALLED BY	BASIS FOR DESIGN			REMARKS
								MANUFACTURER	MODEL	LAMP	
A1	7	2x2 LED LENSED TROFFER	LAY-IN	120 V	30 W	TLS	GC	NORA LIGHTING	NPD8L-E22/334 W	INTEGRAL 3000K LED	COMPATIBLE WITH 0-10V DIMMING, FACTORY LOCKED TO 3000K
B1	7	RECESSED 6IN CAN LIGHT	CEILING	120 V	17 W	TLS	GC	NORA LIGHTING	NHIC-6G24ATFL W/ NTM-57W/M1 TRIM	(1) 17W ECOSTORY ECO-PAR38C-17-GU24-27 K-25D LED (25°-2700K) W/ GU 24 BASE	
B2	34	RECESSED 6IN CAN LIGHT W/ LED TRIM	CEILING	120 V	17 W	TLS	GC	NORA LIGHTING	NHIC-6G24ATFL WITH NLCBC-65130WW LED TRIM	INTEGRAL 3000K LED	LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER
B3	4	RECESSED 6IN CAN LIGHT W/ BLACK LED TRIM	CEILING	120 V	12 W	TLS	GC	NORA LIGHTING	NHIC-6G24ATFL WITH NLCBC2-651278B LED TRIM	INTEGRAL 3000K LED	BLACK LED TRIM FURNISHED WITH GU24 SOCKET ADAPTER
C0	2	LOW PROFILE LED - 1 FT	SURFACE	120 V	5 W	TLS	GC	HERA LIGHTING	EL/LED/12/WW	INTEGRAL 3000K LED	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C2	16	LOW PROFILE LED - 3 FT	SURFACE	120 V	12 W	TLS	GC	HERA LIGHTING	EL/LED/34/WW	INTEGRAL 3000K LED	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
C3	10	LOW PROFILE LED - 4 FT	SURFACE	120 V	15 W	TLS	GC	HERA LIGHTING	EL/LED/46/WW	INTEGRAL 3000K LED	FURNISHED WITH COVERS, CONNECTORS, AND ONE HARDWIRE BOX OR CORD/PLUG PER SECTION
E1	3	EMERGENCY LIGHT - DUAL HEAD	VARIOUS	120 V	2 W	TLS	GC	EXITRONIX	LED-90	INTEGRAL LED	90 MINUTE BATTERY BACKUP
E2	3	EXTERIOR REMOTE EMERGENCY LIGHT	VARIOUS	4 V	1 W	EXG	EXG	EXITRONIX	MLED1-B-WP	INTEGRAL LED	LOW VOLTAGE REMOTE EMERGENCY LIGHT POWERED BY REMOTE-CAPABLE EXIT SIGN WITH MOUNTING PLATE
E4	3	WHITE EXIT SIGN WITH EMERGENCY LIGHT - STANDARD RED LETTERS	VARIOUS	120 V	2 W	TLS	GC	EXITRONIX	CLED-U-WH	INTEGRAL LED	90 MINUTE BATTERY BACKUP WITH INTEGRAL EMERGENCY LIGHT, REMOTE HEAD CAPABLE
E7	10	EMERGENCY LIGHT	VARIOUS	120 V	2 W	TLS	GC	DUAL LITE	EV2	INTEGRAL LED	90 MINUTE BATTERY BACKUP
H1	16	VAPOR PROOF HOOD LIGHT	SURFACE	120 V	15 W	HS/TLS	HS	FURNISHED W/ HOOD	FURNISHED W/ HOOD	(1) TCP L16A19N1527K	INSTALL LAMP FURNISHED SEPARATELY BY LIGHTING SUPPLIER
J4	2	DECORATIVE PENDANT	PENDANT	120 V	9 W	TLS	GC	BARNLIGHT	BLE-C-CPT10-ASH-100-S BK-100-CAW	GREEN CREATIVE 9A19DIM/927/GU24/R	WITH BLACK LAMP SHADE, BLACK CORD, AND OAK LAMP HOLDER
P5	3	PENDANT	PENDANT	120 V	5 W	TLS	GC	HI-LITE MFG	H-LC-91/CB12-91/20W LBL	TCP FG25D4027CCQ	ADJUST CORD LENGTH FOR MOUNTING HEIGHT CALLED FOR IN ARCHITECTURAL DRAWINGS
P6	1	DECORATIVE DINING ROOM PENDANT	PENDANT	120 V	30 W	TLS	GC	BARNLIGHT	BLE-C-JGT-133-3560-3	INTEGRAL LED	HARDWIRED SET OF (3) HEADS WITH UNIVERSAL CANOPY AND STANDARD BLACK CABLES
PL1	4	PARKING LOT POLE LIGHT	POLE	120 V	175 W	TLS	GC	BEACON	RAR2-480L-185-5K7-UN V	LED	TYPE XX DISTRIBUTION MOUNTED AT 25' - 0". PROVIDE WITH UNIVERSAL MOUNT FOR SQUARE POLE.
S1	1	DRIVE-UP PICK-UP WINDOW CHIME-STROBE	WALL	16 V	0 W	TLS	GC	FEDERAL SIGNAL	SLM500B W/ SLMBW-012-024	INTEGRAL	SET SWITCH A TO "CHIME 1 SINGLE" (11011) AND SWITCH B TO "CHIME 2 SINGLE" (00111)
T1	14	TRACK HEAD	TRACK	120 V	10 W	TLS	GC	JUNO	R60SL 30K 90CRI PDIM WFL BL	INTEGRAL LED	BLACK CYLINDER TRACK HEAD W/ UNIVERSAL 120V TRAC ADAPTER AND WIDE FLOOD BEAM
T-4	1	TRACK (4 FT)	SURFACE	120 V	0 W	TLS	GC	JUNO	T 4FT BL	N/A	SINGLE CIRCUIT, BLACK FINISH. FURNISH WITH CONNECTORS TO ACHIEVE ARRANGEMENT SHOWN ON PLANS. TRIM AS REQUIRED FOR LENGTHS SHOWN.
T-6	4	TRACK (6 FT)	SURFACE	120 V	0 W	TLS	GC	JUNO	T 6FT BL	N/A	SINGLE CIRCUIT, BLACK FINISH. FURNISH WITH CONNECTORS TO ACHIEVE ARRANGEMENT SHOWN ON PLANS. TRIM AS REQUIRED FOR LENGTHS SHOWN.
TCL-0.5	1	TRACK CURRENT LIMITER (60W)	SURFACE	120 V	0 W	TLS	GC	JUNO	TCLFM11 BL W/ TCLCB 0.5A BLCK	N/A	BLACK CURRENT LIMITING END FEED WITH CIRCUIT BREAKER
TCL-1	1	TRACK CURRENT LIMITER (120W)	SURFACE	120 V	0 W	TLS	GC	JUNO	TCLFM11 BL W/ TCLCB 1A BLCK	N/A	BLACK CURRENT LIMITING END FEED WITH CIRCUIT BREAKER
W1	4	WIC LED LIGHT	SURFACE	120 V	29 W	WCS	GC	FURNISHED W/ WIC	FURNISHED W/ WIC	INTEGRAL LED	WET-RATED COOLER FIXTURE
X6	5	EXTERIOR WALL PACK	WALL	120 V	29 W	TLS	GC	RAB LIGHTING	WPLD26		REFER TO ARCHITECTURAL DRAWINGS FOR WALL PACK MOUNTING HEIGHT(S).
X9	1	EXTERIOR LED CHANNEL LIGHT	SURFACE	120 V	45 W	EXG	EXG	PARADIGM LED	AMC-2410-S W/ OPAL LENS AND END CAPS	FLEXSR-45-30-67-24	FURNISHED W/ REMOTE-MOUNTED NEMA 3R LED DRIVER. SEE PLAN FOR LENGTHS.

LIGHTING FIXTURE SCHEDULE NOTES

- A. SEE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LIGHT LOCATIONS.
B. SEE THE ARCHITECTURAL LIGHTING DETAILS FOR FIXTURE CONSTRUCTION DETAILS.
C. LIGHT BULBS SHALL BE SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT IN AREAS WHERE THERE IS EXPOSED FOOD

ELECTRICAL LIGHTING PLAN NOTES

- INSTALL WALL-MOUNTED LIGHTING OVERRIDE SWITCH AND CONNECT TO LCP AS SHOWN IN DETAIL 6/E710
- FOR UNCIRCUITED LIGHT FIXTURES, CONNECT TO RELAY CIRCUIT INDICATED NEXT TO THE FIXTURE TAG THROUGH THE LIGHTING CONTROL PANEL (LCP) UNLESS NOTED OTHERWISE.
- WALL MOUNT THE EMERGENCY LIGHT FIXTURE AT 6" BELOW THE CEILING UNLESS NOTED OTHERWISE
- VERIFY MOUNTING HEIGHT OF EXIT SIGN PRIOR TO ROUGH IN. EXIT SIGN MUST BE VISIBLE FROM AREA SERVED AFTER BUILDING SYSTEMS HAVE BEEN INSTALLED. SEE ARCHITECTURAL ELEVATIONS FOR FURTHER INFORMATION.
- INSTALL LED DRIVERS FURNISHED WITH THE X9 LED STRIP LIGHTS ON WALL 6" ABOVE THE CEILING IN AN ACCESSIBLE LOCATION. PROVIDE LOW VOLTAGE WIRING FROM LED DRIVER TO THE X9 LIGHT FIXTURES AS SHOWN.
- INSTALL LIGHT FIXTURES FURNISHED WITH THE WALK-IN COOLER. PROVIDE UNSWITCHED CONDUCTOR FROM LIGHTING CIRCUIT TO WALK-IN COOLER LIGHTING J-BOX AND FROM J-BOX TO LIGHT FIXTURES AS SHOWN. CONDUIT BETWEEN LIGHT FIXTURES SHALL BE ROUTED ON THE INTERIOR OF THE WALK-IN COOLER. SEAL INTERIOR AND EXTERIOR OF CONDUITS WHERE THEY PASS THROUGH THE WALK-IN COOLER ENVELOPE PER THE NEC.
- FIXTURE(S) EXISTING BY SHELL. CIRCUIT AS SHOWN.
- PROVIDE UNISTRUT AS SHOWN ON THE ARCHITECTURAL RCP PER THE ARCHITECTURAL UNISTRUT DETAIL. TYPICAL.
- CONNECT EXTERIOR LIGHTING CIRCUIT TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL PER DETAIL 6/E710.
- INSTALL WALL-MOUNTED OCCUPANCY SENSOR FURNISHED BY LIGHTING SUPPLIER AT 42" AFF. ADJUST OCCUPANCY SENSOR TO PROVIDE AUTOMATIC ON/AUTOMATIC OFF OPERATION WITH A FIXED TIMER OF 30 MINUTES AND WITH BOTH THE PASSIVE INFRARED AND ULTRASONIC SENSORS ENABLED.
- EXISTING VESTIBULE FIXTURES TO REMAIN. CIRCUIT WITH OTHER DINING AREA LIGHTING AND CONNECT THROUGH RELAY #5 (RS).
- INSTALL WALL-MOUNTED DIMMERS ABOVE PANELBOARDS 6" ABOVE LAY-IN CEILING FOR CONTROL OF DINING ROOM OVERHEAD STRIP LED AND PENDANT LIGHTS. CONNECT DIMMERS TO RELAYS SHOWN THROUGH THE LIGHTING CONTROL PANEL. SET DIMMERS AT 50%.
- CONNECT DINING ROOM (RELAY CIRCUITS R4 AND R5) OVERHEAD STRIP LED LIGHTS TO THE RELAY INDICATED THROUGH THE CORRESPONDING WALL-MOUNTED DIMMER INSTALLED ABOVE THE PANELBOARDS.
- INSTALL LIGHTING CONTROL SYSTEM PER DETAIL 6/E710.
- NOT USED.
- PENETRATIONS THROUGH SHEAR WALL SHALL BE LIMITED TO 10" DIAMETER (OR A GROUP OF PENETRATIONS ALL CONTAINED WITHIN 10" DIAMETER). IF LARGER PENETRATIONS OR GROUPS OF PENETRATIONS ARE REQUIRED COORDINATE WITH STRUCTURAL ENGINEER FOR APPROPRIATE BRACING. SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATION.
- INSTALL CHIME/STROBE FURNISHED WITH VEHICLE DETECTION SYSTEM ON WALL 12" BELOW CEILING AND CONNECT TO VEHICLE DETECTOR SYSTEM PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALL E2 REMOTE EMERGENCY LIGHT TO BOTTOM OF CANOPY. CONCEAL LOW VOLTAGE WIRING FROM EXIT SIGN TO REMOTE EMERGENCY LIGHT.

LIGHTING CONTROL COMPONENTS SCHEDULE

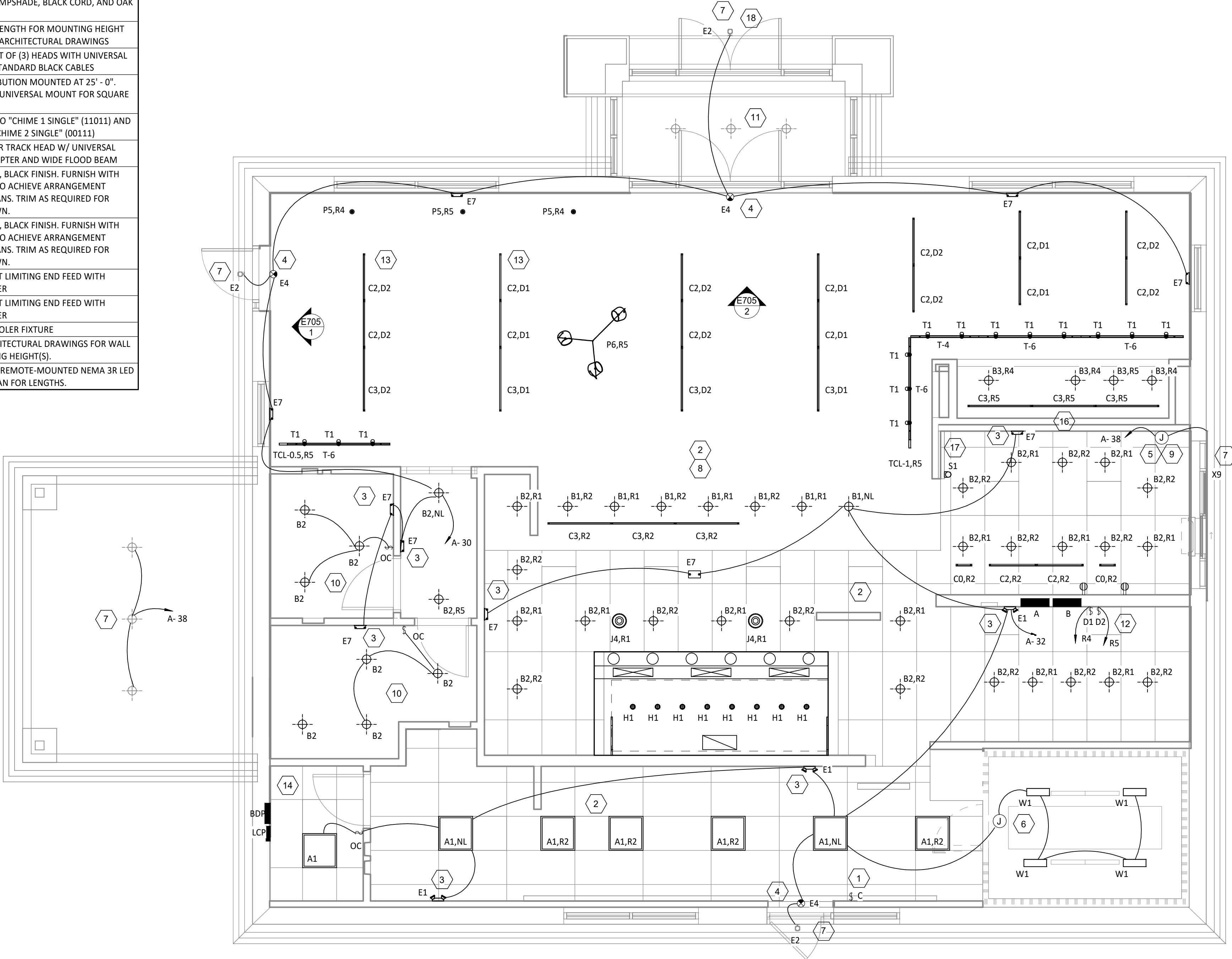
	DESCRIPTION	QUANTITY	FURNISHED BY	INSTALLED BY	MANUFACTURER	MODEL	REMARKS
LCP	nLIGHT LIGHTING CONTROL PANEL	1	TLS	GC	ACUITY	ARP INTENC08 NLT 8FCR MVOLT HLK FM DTC CPTLE1	8 RELAY PANEL FOR DIMMING CONTROL WITH FLUSH MOUNT ENCLOSURE, AND DIGITAL TIME CLOCK
\$C	WALL-MOUNTED OVERRIDE SWITCH	1	TLS	GC	ACUITY	nPODMA 4P	SEE LIGHTING CONTROL DIAGRAM FOR SWITCH CONFIGURATION
\$D	WALL-MOUNTED DIMMER SWITCH	2	TLS	GC	COOPER	SAL06P-W	SLIDE DIMMER COMPATIBLE WITH UP TO 300W LED LIGHTING. SET AT 50%. IF DINING ROOM LIGHTS FLICKER AT THIS DIMMER SETTING THEN GC SHALL PROVIDE LUTRON DVCL-253P DIMMER AS REPLACEMENT.
\$OC	WALL-MOUNTED LINE VOLTAGE OCCUPANCY SENSOR	3	TLS	GC	HUBBELL	LHMTS 1-N-WH	WHITE DUAL TECHNOLOGY SINGLE RELAY WITH 1 BUTTON AND NEUTRAL WIRING

LIGHTING CONTROL PANEL SCHEDULE: LCP

RELAY	PANEL	CIRCUIT	AREA SERVED	CONTROL	TIME ON	TIME OFF	DIMMER CONTROL	NOTES
R1	A	32	KITCHEN A	TIMECLOCK	10:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R2	A	32	KITCHEN B	TIMECLOCK	7:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R3			SPARE					SINGLE POLE (NC)
R4	A	30	DINING A	TIMECLOCK	7:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R5	A	30	DINING B	TIMECLOCK	10:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R6	A	30	DINING DL	TIMECLOCK	7:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R7	A	28	RESTROOM EXHAUST FAN	TIMECLOCK	7:00:00 AM	12:00:00 AM	N/A	SINGLE POLE (NC)
R8	A	42	EXT. LIGHTING/SIGNAGE	TIMECLOCK	SUNSET - 1 HR	12:00:00 AM	N/A	SINGLE POLE (NC)

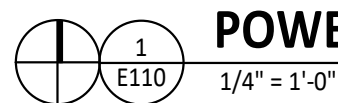
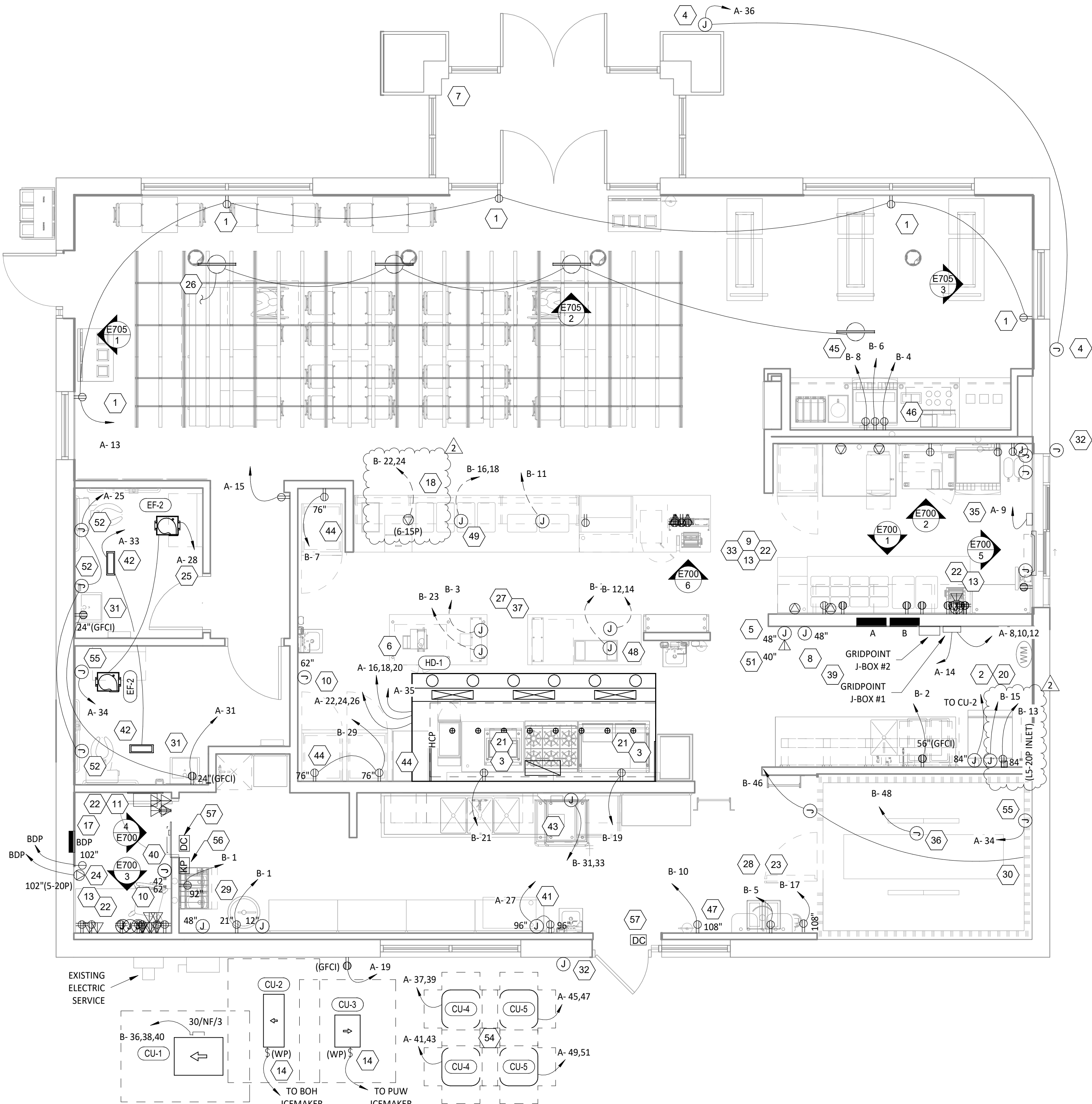
LIGHTING CONTROL PANEL SCHEDULE NOTES

- A. DUPLICATE PANEL SCHEDULE AND PERMANENTLY INSTALL WITHIN THE LIGHTING CONTROL PANEL.



ELECTRICAL POWER PLAN NOTES

- 41 INSTALL WIRED DOOR BUZZER AT 96" AFF. SEE ARCHITECTURAL DOOR EQUIPMENT FOR EQUIPMENT INFORMATION. CONNECT TO CIRCUIT SHOWN THROUGH THE TRANSFORMER FURNISHED WITH THE DOOR BUZZER. PROVIDE WIRING TO A BUTTON ADJACENT TO THE SERVICE DOOR AND CONNECT PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 42 CONNECT BATHROOM SANITIZER TO CIRCUIT SHOWN SO THAT IT IS ENERGIZED AT ALL TIMES.
- 43 PROVIDE POWER AND LOW VOLTAGE CONNECTIONS TO DISH SANITIZING MACHINE PER DETAIL 7/E7/10. CONNECT THE DETERGENT DISPENSER TO THE DISH MACHINE USING THE INCLUDED WIRING HARNESS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 44 PROVIDE RECEPTACLE FOR 2-DOOR AND 1-DOOR REFRIGERATORS WITH GROUND PINS TOWARDS THE BOTTOM OF THE RECEPTACLE.
- 45 PROVIDE CORD AND NEMA 5-20P PLUG FROM UTENSIL COUNTER/ICE MAKER, THROUGH UTENSIL COUNTER, TO ICE MAKER RECEPTACLE.
- 46 LABEL UTENSIL COUNTER RECEPTACLES "TRACTOR BEVERAGE", "ICE MAKER/IMS8", AND "SODA FOUNTAIN".
- 47 LABEL RECEPTACLE "UV INSECT TRAP".
- 48 PROVIDE POWER CONNECTIONS TO ISLAND PREP TABLE PER DETAIL 2/E7/10. PROVIDE GFCI DUPLEX RECEPTACLE IN THE J-BOX INTEGRAL TO PREP TABLE FOR UNDERCOUNTER REFRIGERATOR. PROVIDE FINAL CONNECTION TO CARVING STATION HEATER.
- 49 IF NEUTRAL CONDUCTOR IS NOT NEEDED FOR SERVE LINE HOT FOOD SERVER TERMINATE NEUTRAL IN JUNCTION BOX.
- 50 PROVIDE A TWO-CONDUCTOR LOW VOLTAGE WIRE IN 3/4" C. AND (4) #12, #12 N., #12 G. IN 1" C. FROM MAU-1 TO THE HOOD CONTROL PANEL PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 51 PROVIDE HORIZONTAL SINGLE-GANG J-BOX FOR DATA JACK AS SHOWN FOR KRONOS TIME CLOCK.
- 52 J-BOXES SUPPLIED WITH HEAT TAPE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND CIRCUIT AS SHOWN.
- 53 PROVIDE NEMA 1 15A/1P DISCONNECT FOR FURNACE(S).
- 54 PROVIDE NEMA 3R 60A/2P DISCONNECT FOR HVAC CONDENSING UNIT(S).
- 55 PROVIDE POWER FOR LOUVER ACTUATOR PER MANUFACTURER'S RECOMMENDATIONS. REFER TO SHEET M100 FOR LOUVER LOCATION.
- 56 PROVIDE A RECESSED J-BOX AT 56" AFF FOR THE INSTALLATION OF THE SECURITY SYSTEM KEYPAD WITH A 1/2" CONDUIT TO ABOVE THE LAY-IN CEILING. TERMINATE CONDUIT WITH A CONDUIT BUSHING.
- 57 PROVIDE A RECESSED SINGLE GANG J-BOX ABOVE DOOR AND 3" IN FROM LATCH SIDE OF DOOR FOR THE INSTALLATION OF THE SECURITY SYSTEM DOOR CONTACT WITH A 1/2" CONDUIT TO ABOVE THE LAY-IN CEILING. TERMINATE CONDUIT WITH A CONDUIT BUSHING.



ELECTRICAL POWER PLAN NOTES

- EXISTING DUPLEX GFCI RECEPTACLE WITH WEATHERPROOF WHILE IN USE OUTLET COVER FOR IRRIGATION CONTROLLER. FIELD VERIFY EXACT LOCATION AND CIRCUIT AS SHOWN.
- INSTALL VEHICLE DETECTION LOOP FURNISHED BY TLS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALIGN DETECTOR LOOP TO BE CENTERED ON THE PICK-UP WINDOW.
- FIXTURE EXISTING BY SHELL. FIELD VERIFY EXACT LOCATION AND CIRCUIT AS SHOWN.
- CONNECT ANNOUNCE SIGN TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL 6/E710. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
- EXISTING EMPTY CONDUIT WITH PULL STRING TO CLEARANCE BAR. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
- CONNECT MONUMENT SIGN TO CIRCUIT SHOWN THROUGH THE EXTERIOR LIGHTING CONTACTOR PANEL AS SHOWN IN DETAIL 6/E710. SEE DETAIL 2/THIS SHEET FOR SITE CONDUITS.
- EXISTING 1" SPARE LOW VOLTAGE CONDUIT. SEE DETAIL 2/THIS SHEET FOR MORE INFORMATION.
- EXISTING 1" SPARE LINE VOLTAGE CONDUIT. SEE DETAIL 2/THIS SHEET FOR MORE INFORMATION.
- EXISTING INTERIOR J-BOXES AT 11'-0" AFF FOR LINE VOLTAGE AND LOW VOLTAGE SITE WIRING. SEE DETAIL 2/THIS SHEET FOR MORE INFORMATION.

GENERAL NOTES

- WORK AND MATERIALS SHALL BE COMPLIANT WITH THE NEC AND REQUIREMENTS OF THE AHJ.
- CONDUCTORS AND CONNECTIONS BELOW GRADE, EVEN WHERE WITHIN CONDUITS OR ENCLOSURES, SHALL BE SUITABLE FOR WET LOCATIONS.
- PROVIDE PULL STRING IN EMPTY CONDUITS.
- SEAL ENDS OF CONDUITS STUBBED UP ABOVE GRADE TO PROTECT FROM THE ELEMENTS.

RESPONSIBILITY	
DEVICE OR CONDUIT	CONNECTION OR CONDUCTORS

- | TAG | DESCRIPTION | EXG | GC |
|-----|---|-----|-----|
| 1 | VEHICLE DETECTOR LOOP - 6"x4" WITH 4 TURNS (EMX PR-46-XX). VERIFY LENGTH OF LEAD-IN WIRE PRIOR TO ORDERING TO ALLOW WIRE TO REACH VEHICLE DETECTOR WITHOUT SPLICING. SEE SITE PLAN FOR LOCATIONS. | EXG | GC |
| 2 | 1" CONDUIT FROM VEHICLE DETECTOR LOOP LOCATION TO LOW VOLTAGE J-BOX. | EXG | GC |
| 3 | 1" CONDUIT FROM ANNOUNCE SIGN LOCATION TO LINE VOLTAGE J-BOX. SEE SITE PLAN FOR LOCATION. | EXG | GC |
| 4 | 1" CONDUIT FROM CLEARANCE BAR LOCATION TO LINE VOLTAGE J-BOX. SEE SITE PLAN FOR LOCATION. | EXG | N/A |
| 5 | 1" CONDUIT FROM SITE DIRECTIONAL SIGNAGE AND/OR MONUMENT SIGN LOCATION(S) TO LINE VOLTAGE J-BOX. SEE SITE PLAN FOR LOCATIONS AND NUMBER OF ROUGH-IN LOCATIONS. | EXG | GC |
| 6 | 1" CONDUIT FROM SITE LIGHTING FIXTURE(S) TO LINE VOLTAGE J-BOX. SITE LIGHTING FIXTURES CAN BE DAISY-CHAINED. | EXG | GC |
| 7 | LINE VOLTAGE J-BOX - MINIMUM 6"x6"x4" J-BOX ON INTERIOR WALL OF BUILDING AT 11'-0" AFF. SEE SITE PLAN FOR LOCATION. | EXG | GC |
| 8 | LOW VOLTAGE J-BOX - MINIMUM 6"x6"x4" J-BOX ON INTERIOR WALL OF BUILDING AT 11'-0" AFF. SEE SITE PLAN FOR LOCATION. | EXG | GC |
| 9 | 1" SPARE CONDUIT FROM LOW VOLTAGE J-BOX TO LANDSCAPING AREA. SEAL CONDUIT FOR FUTURE USE. | EXG | GC |
| 10 | 1" SPARE CONDUIT FROM LINE VOLTAGE J-BOX TO LANDSCAPING AREA. SEAL CONDUIT FOR FUTURE USE. | EXG | GC |

SITE CONDUIT DETAIL

NOT TO SCALE

POWER SITE PLAN

3/32" = 1'-0"



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Issue Record:
05/29/2024 PERMIT ISSUE
09/06/2024 CONSTRUCTION ADDENDA

Revisions:

Drawn: IJD
Checked: AJD

Project No.
241001

Contents:

ELECTRICAL SITE
POWER PLAN

E115

Panel Name: BDP		Volts: 120				
Mounting: Recessed		Phases: 1		Mains: LUGS		
Enclosure: Type 1		Wires: 2		Ampera... 20 A		
CKT	Circuit Description			Trip	Poles	Load
1	POS			15 A	1	0.2 KVA
2	DML - POS			15 A	1	0.2 KVA
3	DML - ORDERING SYSTEM			15 A	1	0.7 KVA
4	OFFICE - SECURITY SYSTEM			15 A	1	0.2 KVA
5	OFFICE - COMPUTER			15 A	1	0.4 KVA
6	OFFICE - DVR/ISP			15 A	1	0.5 KVA
				Total Load:		2.2 KVA
				Total Amps:		18.3 A

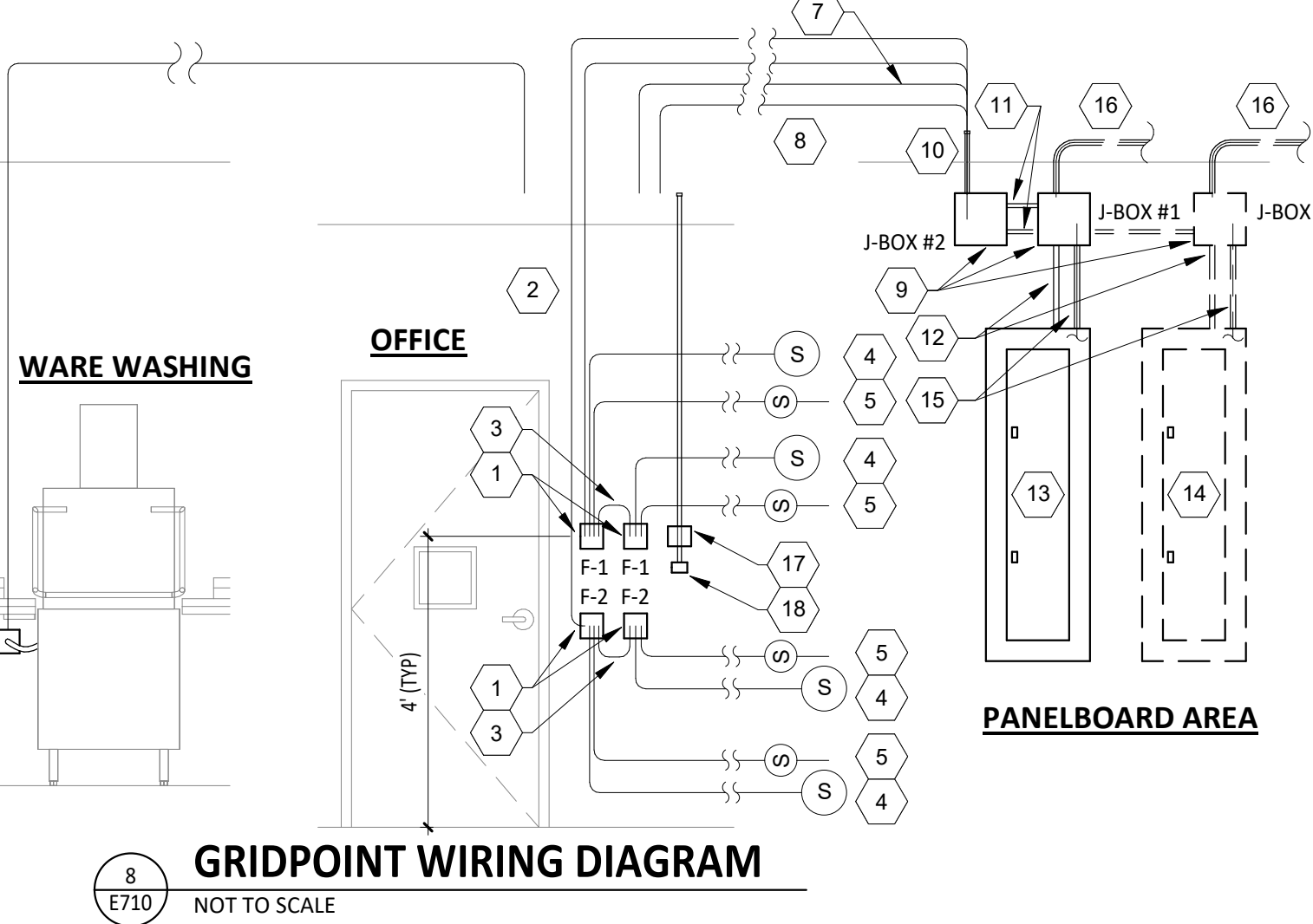
VOLTS: 208/120V Wye															PANEL: A	
PHASES: 3															MAINS: MCB	
WIRES: 4															AMPERAGE: 400 A	
MOUNTING: Recessed															MCB RATING: 400 A	
ENCLOSURE: Type 1																
CKT #	DESCRIPTION	C/B [A]	# PLS	NOTES	LOAD [A]	LOAD TYPE	LOAD [kVA] A	LOAD [kVA] B	LOAD [kVA] C	LOAD TYPE	LOAD [A]	NOTES	# PLS	C/B [A]	DESCRIPTION	CKT #
1	FURNACE (F-1)	15	1		13.1	D	1.6	0.0								2
3	FURNACE (F-1)	15	1		13.1	D		1.6	0.0		-	0.0	3	60	TVSS (4-#6, #10 G. IN 1" C.)	4
5	FURNACE (F-2)	15	1		13.1	D			1.6	0.0						6
7	FURNACE (F-2)	15	1		13.1	D	1.6	0.0								8
9	VEHICLE DETECTOR	20	1		0.3	G		0.0	0.0		G	0.0	3	20	GRIDPOINT 3 PHASE METER (4-#12, #12 G. IN 3/4" C.)	10
11	IRRIGATION CONTROLLER	20	1	GFCI	2.5	G				0.3	0.0					12
13	RECEPTACLES - STOREFRONT Receptáculos - Frente del restaurante	20	1		7.5	G	0.9	0.2			G	1.5	1	20	GRIDPOINT TRANSFORMER	14
15	RECEPTACLES - DINING Receptáculos - Comedor	20	1		1.5	G		0.2	1.2							16
17	PANEL BDP	20	1		18.0	G			2.2	1.2	E	10.4	3	20	HOOD EXHAUST FAN (EF-1) (3-#12, #12 G. IN 3/4" C.)	18
19	RECEPTACLES - HVAC MAINTENANCE Receptáculos - Techo	20	1		6.6	G;E	0.8	1.2								20
21	RECEPTACLES - POS GENERAL Receptáculos - Cajero general	20	1		6.0	G		0.7	0.4							22
23	SECURITY/AUDIO Seguridad y audio	20	1		3.0	G			0.4	0.4	E	3.1	3	15	HOOD MAKEUP AIR FAN (MAU-1) (3-#12, #12 G. IN 3/4" C.)	24
25	HEAT TAPE	20	1		15.0	G	1.8	0.4								26
27	RECEPTACLES - OFFICE Receptáculos - Oficina	20	1	GFCI	9.0	G		1.1	0.2		E	1.7	1	15	RESTROOM FANS (EF-2)	28
29	RECEPTACLES - DML Receptáculos - Fax	20	1	GFCI	6.0	G			0.7	0.6	A	4.9	1	20	LIGHTING - DINING ROOM Iluminación - Comedor	30
31	RECEPTACLES - RESTROOMS Receptáculos - Baños	20	1		3.0	G	0.4	1.0			A	8.3	1	20	LIGHTING - KITCHEN Iluminación - Cocina	32
33	BATHROOM SANITIZER Sanitizante de baño	20	1		0.2	E		0.0	0.2		G	2.0	1	20	LOUVER ACTUATOR	34
35	HD-1 (CONTROL AND LIGHTS) (control y luces)	15	1		1.5	E			0.2	0.4	B	3.0	1	20	SIGN LIGHTING Iluminación para letreros	36
37	CONDENSING UNIT (CU-4) (3-#8, #10 G. IN 1" C.)	50	2	33.4	C	3.5	1.0			Other: A, B	8.7	1	20	LIGHTING - EXTERIOR Iluminación - Exterior	38	
39							3.5	0.7		B	5.8	1	20	SITE SIGNAGE	40	
41	CONDENSING UNIT (CU-4) (3-#8, #10 G. IN 1" C.)	50	2	33.4	C			3.5	0.0	A	0.0	1	20	LIGHTING CONTROL PANEL	42	
43						3.5	0.2			G	1.5	1	20	PICK-UP WINDOW	44	
45	CONDENSING UNIT (CU-5) (3-#8, #10 G. IN 1" C.)	50	2	33.4	C		3.5	2.1							46	
47								3.5	2.1		D	20.2	2	25	PUW AIR CURTAIN (2-#10, #10 G. IN 3/4" C.)	48
49	CONDENSING UNIT (CU-5) (3-#8, #10 G. IN 1" C.)	50	2	33.4	C	3.5	0.0				--	--	1	20	SPARE	50
51							3.5	0.0			--	--	1	20	SPARE	52
53	SPARE	20	1	--	--				0.0	0.0	--	--	1	20	SPARE	54
55							18.8	--			--	--	1	--	SPACE	56
57	FEED THRU (PANEL B) (4-500 KCMIL, #1/0 G. IN 4" C.)	0	3	LUGS	155.3	Spare; F		16.9	--		--	--	1	--	SPACE	58
59									20.2	--	--	--	1	--	SPACE	60
PHASE TOTAL [kVA]:							39.1 kVA	34.9 kVA	36.3 kVA							
PHASE TOTAL [AMPS]:							328 A	291 A	304 A							
TYPE	DESCRIPTION	CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS								
A	INTERIOR LIGHTING	2 kVA		125.00%		2 kVA										
B	EXTERIOR LIGHTING	2 kVA		125.00%		2 kVA										
C	COMFORT COOLING	28 kVA		100.00%		28 kVA		TOTAL CONNECTED kVA: 110 kVA								
D	COMFORT HEATING	10 kVA		100.00%		10 kVA		TOTAL CONNECTED AMPS: 306 A								
E	MISC. MOTOR	5 kVA		100.00%		5 kVA		TOTAL DEMAND kVA: 91.9 kVA								
F	KITCHEN EQUIPMENT	56 kVA		65.00%		36 kVA		TOTAL DEMAND AMPS: 255 A								
G	RECEPTACLES	10 kVA		100.00%		10 kVA										

GRIDPOINT DIAGRAM NOTES

1. INSTALL GRIDPOINT THERMOSTATS FURNISHED BY TEMS FOR F-1'S AND F-2'S. PROVIDE THERMOSTAT WIRING FROM EACH THERMOSTAT TO THE CORRESPONDING ROOFTOP UNIT.
2. PROVIDE CATSE CABLE FROM RTU-1 THERMOSTAT TO J-BOX #2 ABOVE ELECTRICAL PANELS (LEAVE 16" OF CABLE COILED UP INSIDE OF J-BOX #2 AND 16" BEHIND WALL OF THERMOSTAT FOR FINAL CONNECTION TO THE EMS SYSTEM BY THE TEMS) AND LABEL BOTH ENDS OF CABLE "TSTATS".
3. PROVIDE CATSE CABLE(S) BETWEEN THERMOSTATS (LEAVE 16" OF CABLE BEHIND WALL OF EACH THERMOSTAT FOR FINAL CONNECTION BY THE TEMS) AND LABEL BOTH ENDS OF CABLE "TSTAT JUMPER". SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
4. INSTALL GRIDPOINT ZONE SENSOR MODULES FURNISHED BY TEMS AS SHOWN ON HVAC FLOOR PLAN. PROVIDE 18G-24G SHIELDED TWISTED PAIR FROM ZSM TO CORRESPONDING THERMOSTAT T1 TERMINALS. SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
5. INSTALL GRIDPOINT SUPPLY PROBE FURNISHED BY TEMS AS SHOWN ON HVAC FLOOR PLAN. PROVIDE 18G-24G SHIELDED TWISTED PAIR FROM SUPPLY PROBE TO CORRESPONDING THERMOSTAT T2 TERMINALS. SEE GRIDPOINT INSTALLATION INSTRUCTIONS FOR TERMINATION INSTRUCTIONS.
6. PROVIDE 3/4" LIQUIDTIGHT CONDUIT FROM DISH SANITIZING MACHINE TO LOW-VOLTAGE JUNCTION BOX OR TRIM RING FLUSH MOUNTED TO WALL. PROVIDE CONTINUOUS CATSE CABLE FROM DISH SANITIZING MACHINE TO OFFICE (ABOVE LAY-IN CEILING) WITH 54" SLACK WITHIN THE DISH MACHINE AND 10' SLACK ABOVE THE LAY-IN CEILING. PROVIDE RJ-12 PLUG ON CABLE AT DISH MACHINE END WITH BLUE WIRE CONNECTED TO PIN 3 AND BLUE/WHITE WIRE CONNECTED TO PIN 4. LABEL CABLE ON BOTH ENDS WITH "DISHWASHER".
7. PROVIDE CATS CABLE FROM J-BOX #2 TO OFFICE ABOVE LAY-IN CEILING AND LABEL "RS-485 COMMS" ON BOTH ENDS OF THE CABLE. LEAVE 10' OF SLACK CABLE ABOVE OFFICE CEILING AND 16" OF SLACK CABLE INSIDE OF J-BOX #2.
8. PROVIDE CABLE (18-24AWG SHIELDED TWISTED PAIR) FROM J-BOX #2 TO OFFICE ABOVE LAY-IN CEILING AND LABEL "EMS POWER" ON BOTH ENDS OF THE CABLE. LEAVE 10' OF SLACK CABLE ABOVE OFFICE CEILING AND 16" OF SLACK CABLE INSIDE OF J-BOX #2.
9. PROVIDE SURFACE MOUNT 10" X 10" X 4" NEMA 1 ENCLOSURES ABOVE PANELBOARDS AND 6" BELOW CEILING.
10. PROVIDE 3/4" CONDUIT WITH INSULATING BUSHING ON END CONCEALED IN WALL FROM J-BOX #2 TO 6" ABOVE LAY-IN CEILING.
11. PROVIDE 3/4" CONDUIT(S) FROM J-BOX #1 TO J-BOX #2.
12. PROVIDE EMPTY 1" CONDUIT(S) FROM PANELBOARD(S) TO J-BOX #1 FOR FUTURE CT WIRING BY TEMS.
13. FIRST PANELBOARD FED FROM ELECTRICAL SERVICE. PROVIDE WITH (1) 20A/3-POLE CIRCUIT BREAKER (FOR GRIDPOINT 3 PHASE METER), IF PANELBOARD HAS 120V CIRCUITS AVAILABLE THEN ALSO PROVIDE (1) 20/1-POLE CIRCUIT BREAKER (FOR GRIDPOINT TRANSFORMER).
14. IF SPACE HAS MULTIPLE ELECTRICAL SERVICES THEN PROVIDE A "J-BOX #1" AND ASSOCIATED BREAKERS, CONDUITS, AND CONDUCTORS ON THE FIRST PANELBOARD FED FROM EACH ELECTRICAL SERVICE.
15. FOR EACH ELECTRICAL SERVICE PROVIDE (1) SET OF [(4) #12, #12 G.] FROM 3-POLE GRIDPOINT CIRCUIT BREAKER AND, IF THE PANELBOARD HAS 120V CIRCUITS AVAILABLE, (1) SET OF [(2) #12, #12 G.] FROM 1-POLE GRIDPOINT CIRCUIT BREAKER IN 3/4" CONDUIT CONCEALED IN WALL TO J-BOX #1. TERMINATE IN J-BOX #1 WITH 16" SLACK FOR FINAL CONNECTION BY TEMS.
16. IF THE PANELBOARD DOES NOT HAVE 120V CIRCUITS AVAILABLE PROVIDE A 1-POLE 120V 20A CIRCUIT BREAKER IN A PANEL WITH A 120V CIRCUIT AVAILABLE. PROVIDE (1) SET OF [(2) #12, #12 G.] FROM THE GRIDPOINT CIRCUIT BREAKER IN 3/4" CONDUIT CONCEALED IN WALL TO J-BOX #1. TERMINATE IN J-BOX #1 WITH 16" SLACK FOR FINAL CONNECTION BY TEMS.
17. GRIDPOINT CONTROLLER PROVIDED BY TEMS
18. PROVIDE HORIZONTAL SINGLE-GANG J-BOX BELOW FUTURE GRIDPOINT CONTROLLER LOCATION AS SHOWN. PROVIDE 3/4" CONDUIT WITH PULL STRING AND INSULATING BUSHING FROM J-BOX TO 6" ABOVE OFFICE LAY-IN CEILING.

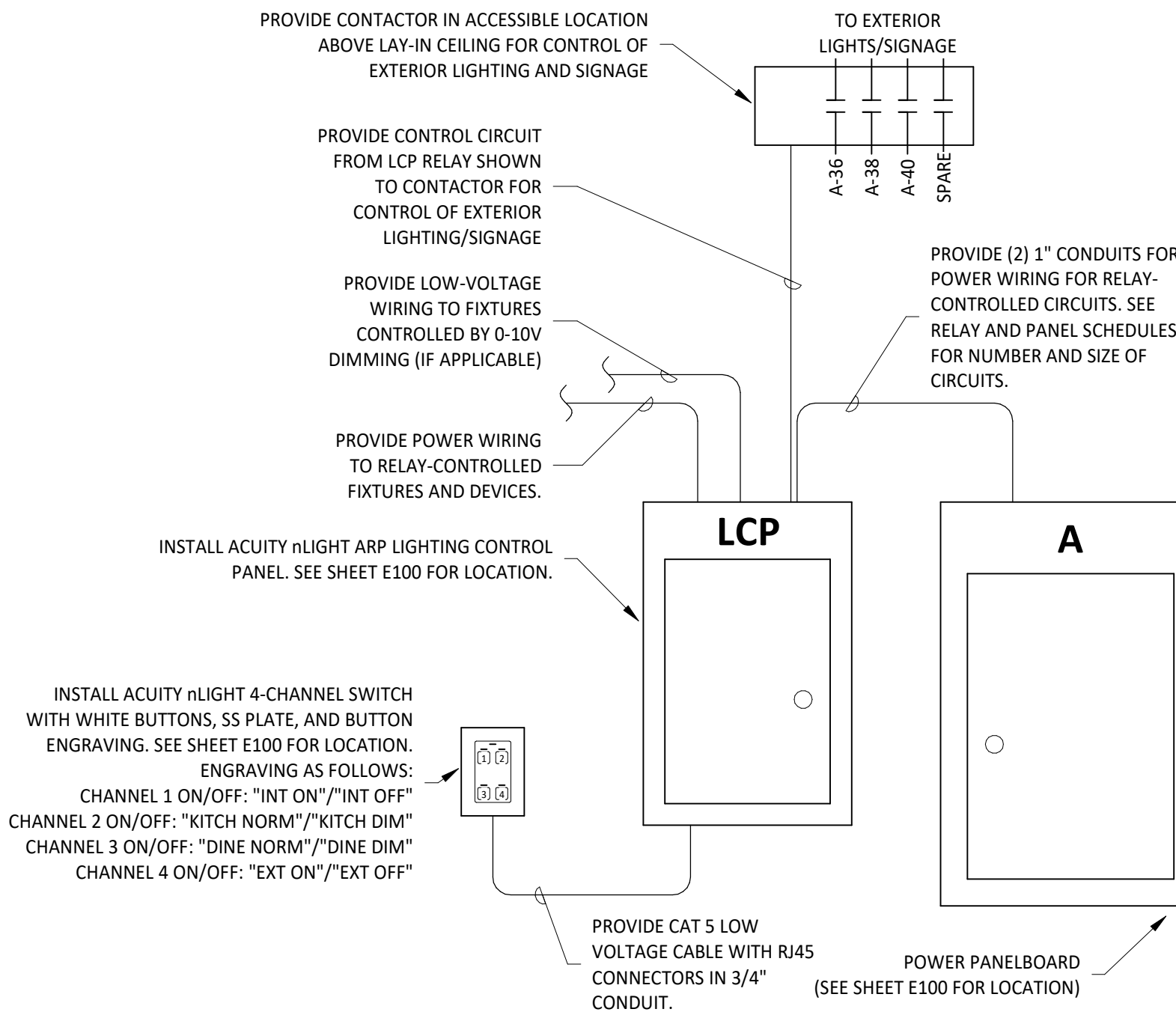
NOTE:

ARRANGEMENT SHOWN IS
DIAGRAMMATIC - SEE PLANS FOR ACTUAL
DEVICE LOCATIONS.



GRIDPOINT WIRING DIAGRAM

8
E710
NOT TO SCALE



LIGHTING CONTROL DIAGRAM

6
E710
NOT TO SCALE

SEQUENCE OF OPERATIONS

- A. EMERGENCY LIGHT FIXTURES, EXIT SIGNS, LOCALLY-SWITCHED FIXTURES, AND FIXTURES DESIGNATED AS NIGHT LIGHTS ARE NOT CONTROLLED THROUGH THE RELAY PANEL.
- B. ALL TIMES NOTED SHALL BE LOCAL TIME AND SHALL AUTOMATICALLY ADJUST FOR DAYLIGHT SAVINGS TIME, IF APPLICABLE.
- C. ALL KITCHEN LIGHTING CIRCUITS AND RESTROOM EXHAUST FAN CIRCUIT (R1, R2, R7) SHALL BE ENERGIZED AT FULL POWER FROM 7:00AM UNTIL MIDNIGHT AND SHALL BE DE-ENERGIZED AT OTHER TIMES.
- D. ALL DINING ROOM LIGHTING CIRCUITS (R4, R5, R6) SHALL BE ENERGIZED FROM 10:00AM UNTIL MIDNIGHT AND SHALL BE DE-ENERGIZED AT OTHER TIMES.
- E. OVERRIDES: WHEN ONE OF THE OVERRIDE BUTTONS IS PRESSED THE SYSTEM WILL GO INTO OVERRIDE MODE FOR THE DURATION NOTED BELOW OR UNTIL THE NEXT SCHEDULED EVENT. FOLLOWING THIS PERIOD THE RELAYS WILL RETURN TO THE CURRENT SCHEDULED CONDITION. DURING THIS OVERRIDE TIME THE CORRESPONDING LAMP WILL ILLUMINATE ON THE OVERRIDE BUTTON.
- F. INTERIOR (CHANNEL 1): WHEN THE INTERIOR OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 1) RELAYS R1, R2, R4, R5, R6, AND R7 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE(1) HOUR.
- G. DINING DIMMING (CHANNEL 3): WHEN THE DINING NORMAL/DIM OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 3) RELAYS R5 AND R6 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE(1) HOUR.
- H. KITCHEN DIMMING (CHANNEL 2): WHEN THE KITCHEN NORMAL/DIM OVERRIDE ON OR OFF BUTTON IS PRESSED (CHANNEL 2) RELAY R2 WILL BE ENERGIZED OR DE-ENERGIZED FOR A DURATION OF ONE (1) HOUR.
- I. VERIFY THAT TIME, TIME ZONE, AND LONGITUDE/LATITUDE ARE SET CORRECTLY ON LCP. VERIFY WITH STORE OPERATIONS THAT THE ON/OFF TIMES ARE COMPATIBLE WITH THE STORE OPERATING HOURS PRIOR TO TURNOVER.

CO2 ALARM OPTIONS	
CO2 DETECTOR	X
CO2 REMOTE DISPLAY UNIT	X
REMOTE STROBE	
RELAY	

INSTALL STROBE WITH WIRING TO CO2 DETECTOR SEU OR RDU (FURNISHED BY CO2AS) (IF REQUIRED). PROVIDE 3/4" CONDUIT IN WALL FROM STROBE LOCATION TO ABOVE CEILING TO CONCEAL WIRING.

CO2 TANK (BULK TANK OR CANISTERS)
PROVIDE GFCI RECEPTACLE J-BOX ADJACENT TO THE CO2 TANK/BAG-IN-BOX AS SHOWN ON THE ELECTRICAL POWER PLAN.

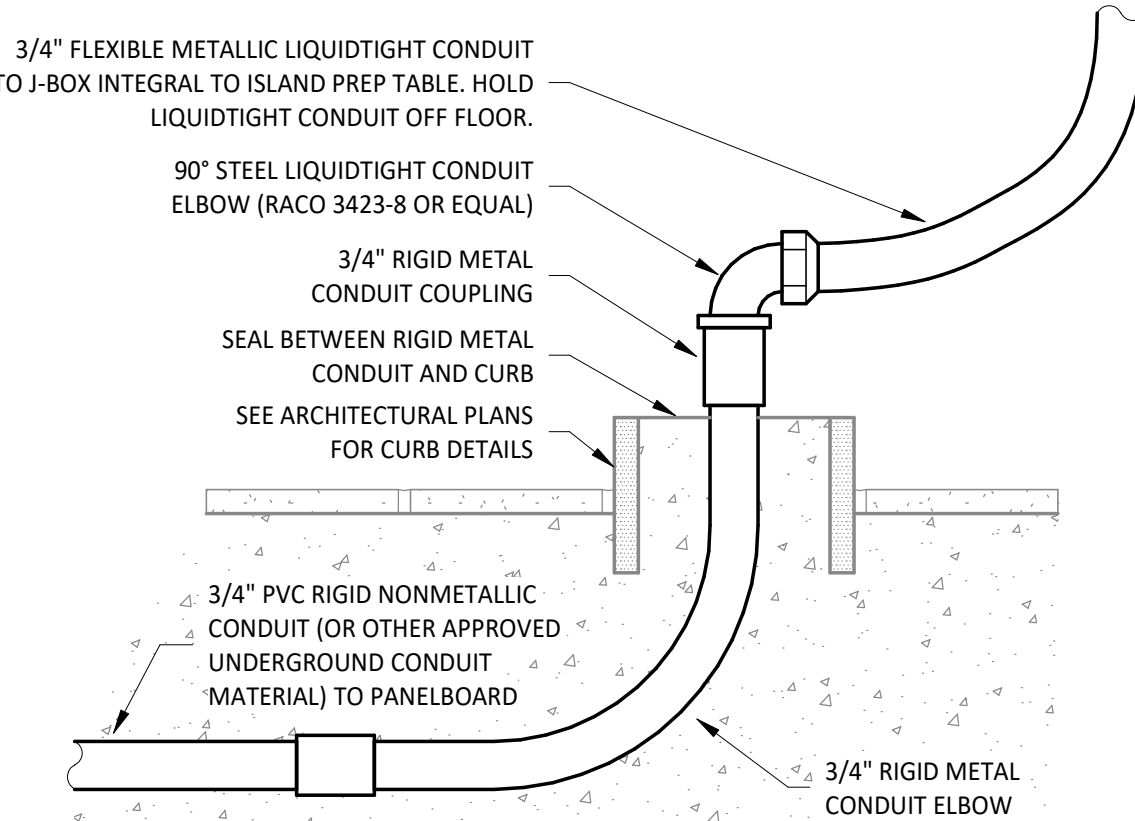
INSTALL CO2METER RAD-0102-06 CARBON DIOXIDE STORAGE SAFETY ALARM SEU (FURNISHED BY CO2AS) ADJACENT TO THE CO2 TANK/BAG-IN-BOX AS SHOWN.

CONNECT THE SYSTEM POWER TO THE RECEPTACLE AS SHOWN. INSTALL CABLE TO MINIMIZE SLACK AT CO2 DETECTOR. SECURE CABLE TO WALL.

AT SEU J-BOX, INSTALL MOUNTING PLATE TO TOP SCREW HOLE OF J-BOX WITH THE MOUNTING PLATE EXTENDING ABOVE THE TOP OF THE J-BOX IN THE ORIENTATION SHOWN.

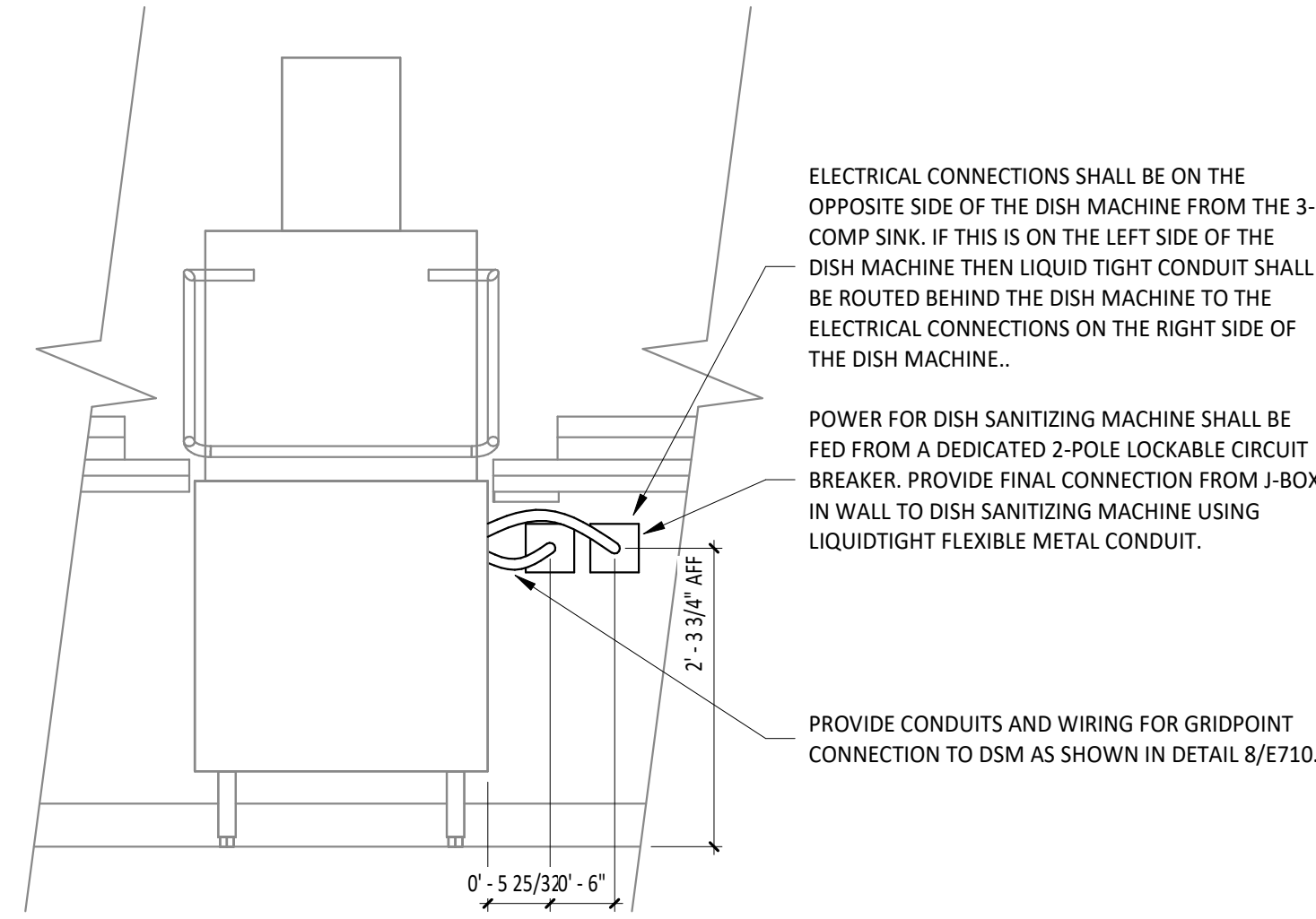
CO2 ALARM DETAIL

4
E710
NOT TO SCALE



PEDESTAL OUTLET DETAIL

2
E710
NOT TO SCALE



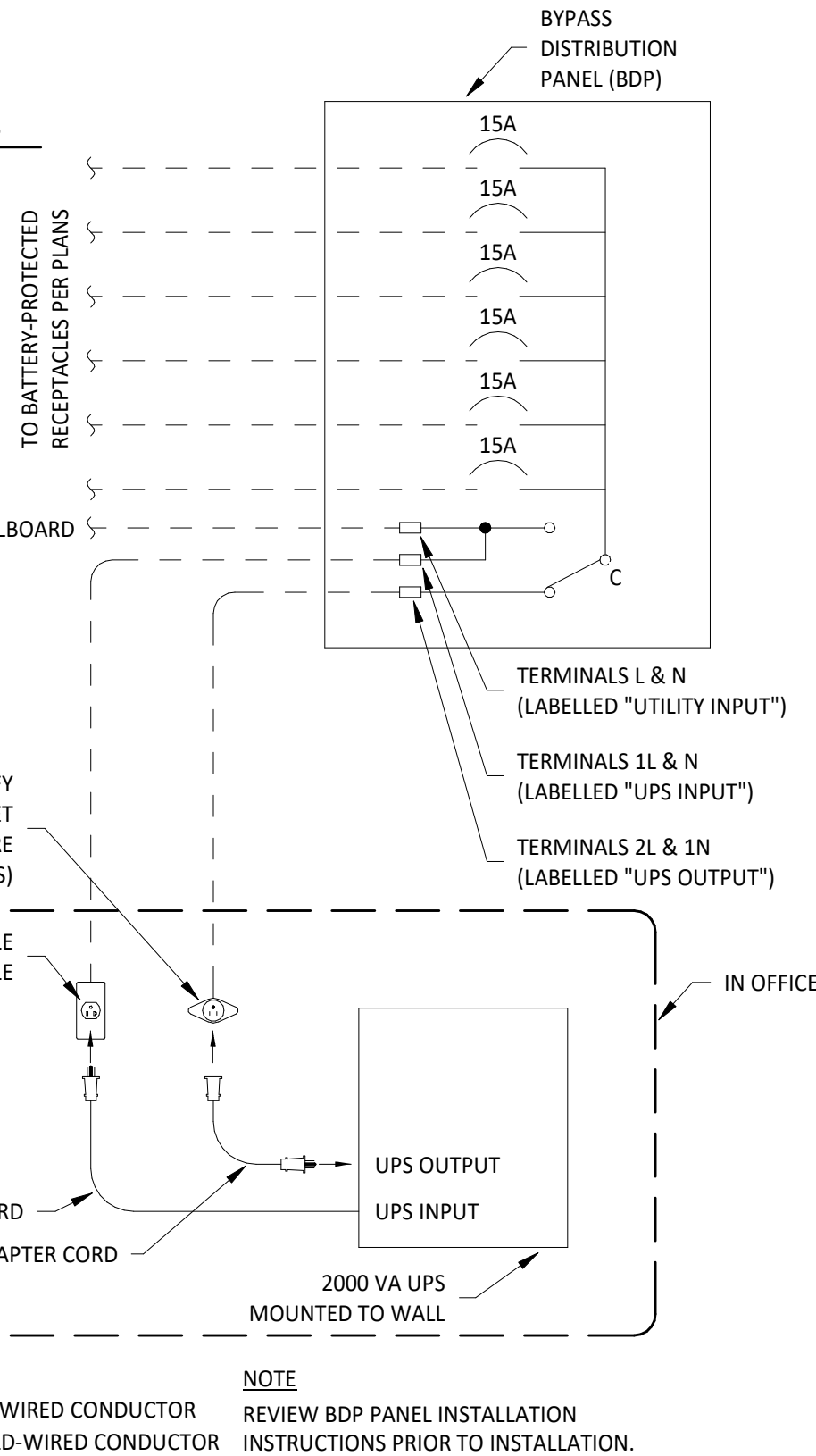
DISH SANITIZING MACHINE ELECTRICAL DETAIL

7
E710
NOT TO SCALE

ELECTRICAL CONNECTIONS SHALL BE ON THE OPPOSITE SIDE OF THE DISH MACHINE FROM THE 3-COMP SINK. IF THIS IS ON THE LEFT SIDE OF THE DISH MACHINE THEN LIQUID TIGHT CONDUIT SHALL BE ROUTED BEHIND THE DISH MACHINE TO THE ELECTRICAL CONNECTIONS ON THE RIGHT SIDE OF THE DISH MACHINE..

POWER FOR DISH SANITIZING MACHINE SHALL BE FED FROM A DEDICATED 2-POLE LOCKABLE CIRCUIT BREAKER. PROVIDE FINAL CONNECTION FROM J-BOX IN WALL TO DISH SANITIZING MACHINE USING LIQUIDTIGHT FLEXIBLE METAL CONDUIT.

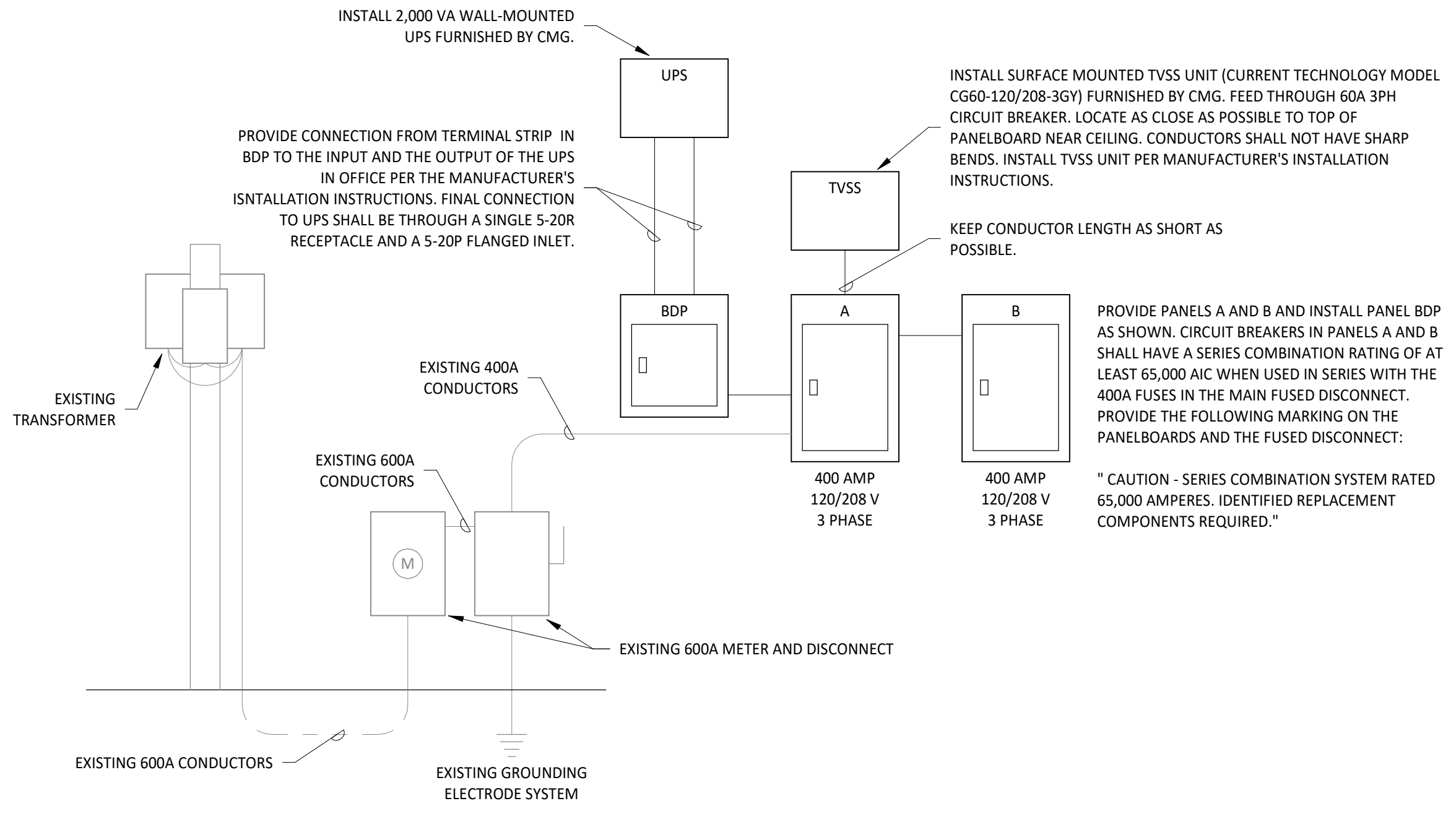
PROVIDE CONDUITS AND WIRING FOR GRIDPOINT CONNECTION TO DSM AS SHOWN IN DETAIL 8/E710.



BYPASS DISTRIBUTION PANEL WIRING DIAGRAM

3
E710
NOT TO SCALE

LEGEND
----- PREWIRED CONDUCTOR
- - - - - FIELD-WIRED CONDUCTOR
NOTE
REVIEW BDP PANEL INSTALLATION INSTRUCTIONS PRIOR TO INSTALLATION.



MAIN DISTRIBUTION DIAGRAM

1
E710
NOT TO SCALE

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05/29/2024 PERMIT ISSUE
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Revisions:
1 09/06/24 CB 01

Drawn: JJD
Checked: AJD

Project No.
241001

Contents:

ELECTRICAL DETAILS

E710