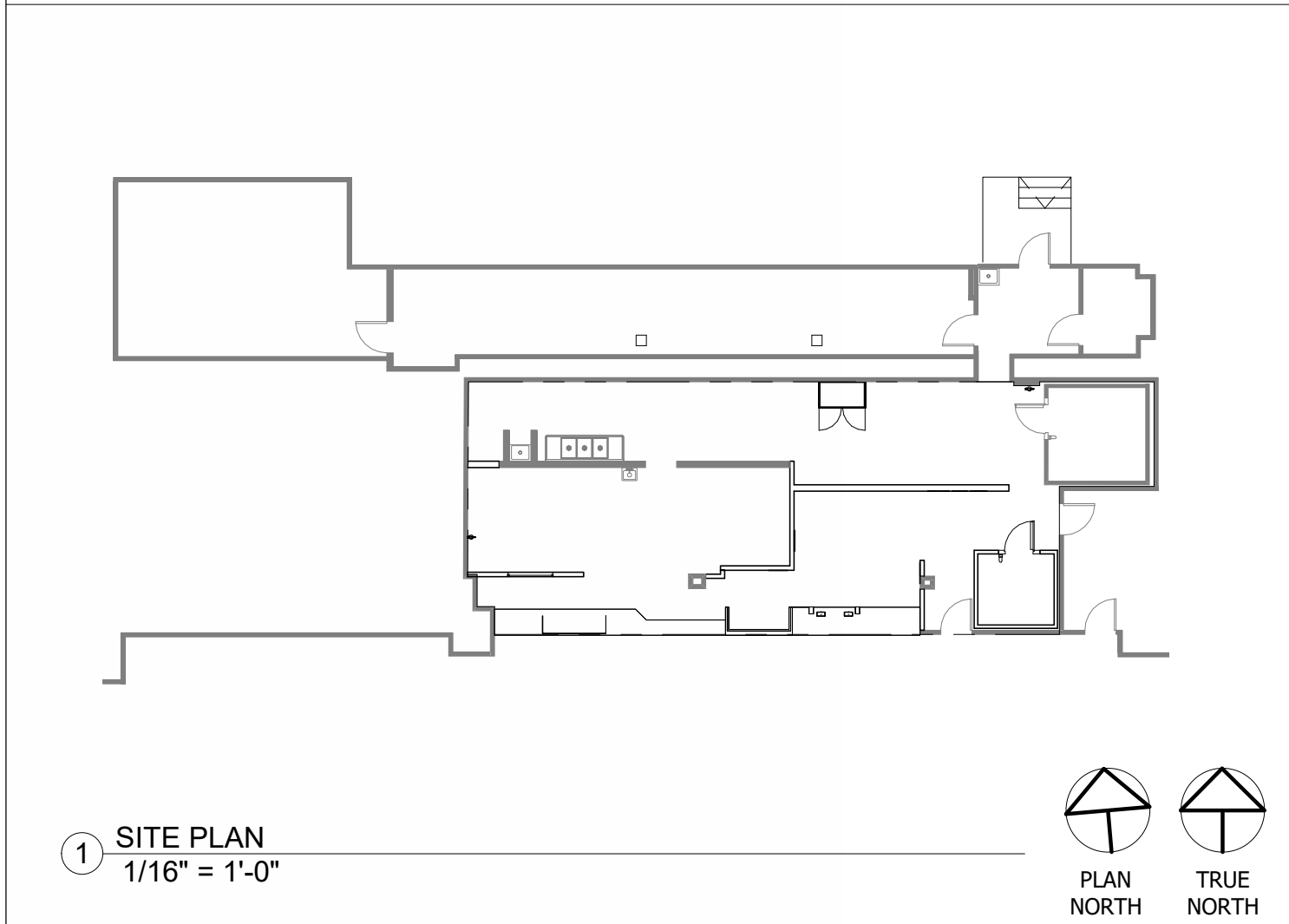


VICINITY MAP

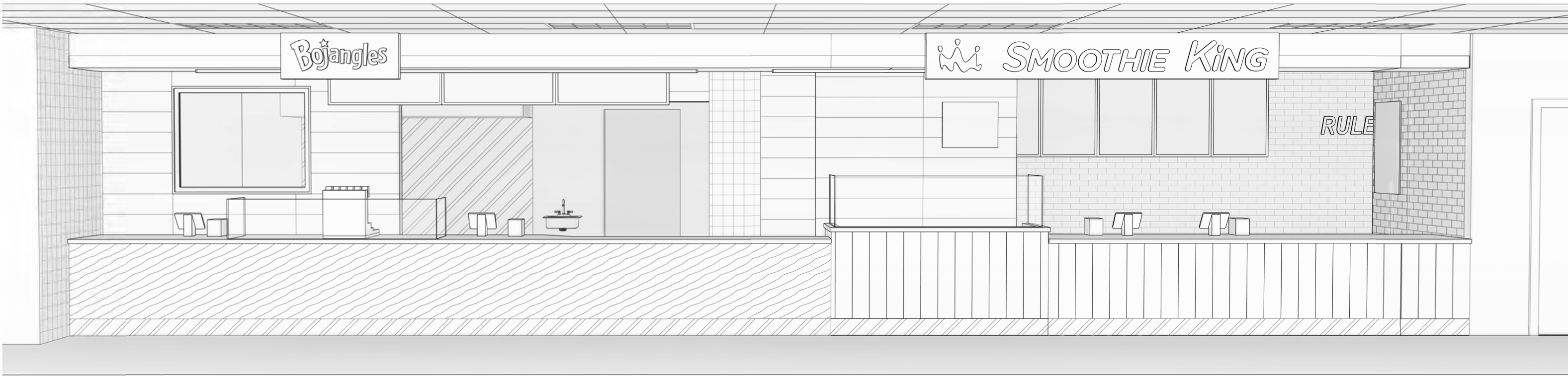


SITE PLAN



NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

95% SUBMITTAL
2/5/2026



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E5.1	ELECTRICAL PANEL SCHEDULES & ONE LINE DIAGRAM

PROJECT DATA

OCCUPANCY LOAD CALCULATIONS:			
ACTUAL PROJECT AREA: 1459 SQFT			
OCCUPANT LOAD CALCULATIONS:			
SERVICE	=	204 SF / 200	= 2 PERSONS
BOH	=	1250 SF / 200	= 7 PERSONS
TOTAL	=		9 PERSONS
EGRESS: 1 EXIT REQUIRED. PROVIDED EXITS = 3 OF 1 REQUIRED. EGRESS WIDTH = 36" MINIMUM, OPENINGS > OR = 36" 36" AISLES PROVIDED EGRESS CAPACITY = 2" PER OCCUPANT = 180 OCCUPANTS PER 36" DOOR > 9 PERSON OCCUPANCY LOAD.			
OCCUPANCY GROUP: B - BUSINESS (QUICK SERVE RESTAURANT UNDER 50 OCCUPANTS)			
CONSTRUCTION TYPE: 1-A			
NOTES: 1. NO RESTROOMS REQUIRED WITHIN INDIVIDUAL TENANT SPACES. RESTROOMS PROVIDED BY THE BASE BUILDING. 2. EXISTING BASE BUILDING DOES NOT HAVE A SPRINKLER FIRE PROTECTION SYSTEM.			

SCOPE OF WORK

INTERIOR TENANT ALTERATION OF A QUICK-SERVICE RESTAURANT SPACE AT THE NAVY EXCHANGE. WORK COMPROMISES OF NEW FINISHES, PARTITIONS, MILLWORK, LIGHTING, EQUIPMENT, AND INCLUDES ELECTRICAL, MECHANICAL AND PLUMBING WORK.

APPLICABLE CODES

CONSTRUCTION CODE	2021 VIRGINIA CONSTRUCTION CODE UNIFIED FACILITIES CRITERIA (UFC)
MECHANICAL CODE	2021 VIRGINIA MECHANICAL CODE (VMC)
PLUMBING CODE	2021 VIRGINIA PLUMBING CODE (VPC)
ELECTRICAL CODE	NFPA 70 - 2020 NATIONAL ELECTRICAL CODE (NEC)
FIRE CODE	NFPA 72 - 2025 NATIONAL FIRE ALARM AND SIGNALING CODE
FIRE CODE	NFPA 13 - 2025 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS
ACCESSIBILITY CODE	2017 ADA STANDARDS, 2017 ICC ANSI A-117.1 ACCESSIBLE AND USEABLE BUILDINGS VIRGINIA ACCESSIBILITY CODE

NOTES

- ALL INSTALLATIONS, MATERIALS AND EQUIPMENT SHALL COMPLY WITH THE NAVFAC CRITERIA AT THE TIME THE BUILDING OR WORK PERMIT IS ISSUED.
- UTILITIES OUTRAGES REQUIRE 72 HOURS ADVANCE NOTICE TO THE NAVFAC ENGINEERING DIVISION AND SIGNED COPY OF THE OUTAGE POSTED ON-SITE AT ALL TIMES WHEN WORK IS TAKING PLACE.
- FLOOR PENETRATIONS REQUIRE X-RAY AND APPROVAL PRIOR TO DRILLING OR CUTTING SLABS. PENETRATIONS OF THE FLOOR GREATER THAN 1 1/2" IN DEPTH BFF REQUIRE X-RAY, REVIEW, AND NAVFAC APPROVAL. ON-SITE PHYSICAL LAYOUT OF SIZE AND LOCATION OF PENETRATIONS SHALL BE REVIEWED BY AN APPROPRIATE NAVFAC REPRESENTATIVE "BEFORE" ANY PENETRATIONS ARE ALLOWED. CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING NAVFAC WITH A SET OF AS-BUILT DOCUMENTS. INCLUDES (1) HARD COPY AND DIGITAL COPY CONSISTENT WITH THE NAVFAC DRAWING MANUAL, OR REFER TO CLOSE-OUT DOCUMENTS AS REFERENCED ON SHEET 10.3. A SET ON SITE FOR GENERAL NAVFAC INSPECTION IS ALSO REQUIRED. SUBMIT DIGITAL/CAD FORMAT AS BUILT DRAWINGS TO NAVY EXCHANGE 6 WEEKS AFTER STORE IS OPEN.
- CONTRACTOR IS TOTALLY RESPONSIBLE FOR THE REMOVAL OF ANY ASBESTOS/HAZARDOUS WASTE. THE CONTRACTOR SHALL SUBMIT THE NECESSARY DOCUMENTATION TO THE NAVFAC TENANT COORDINATOR FOR REVIEW AND OR APPROVAL.
- ALL FLOOR PENETRATIONS SHALL HAVE WATERPROOFING INSTALLED - 3' DIAMETER FROM THE CENTER OF THE PENETRATIONS WHICHEVER GIVES THE MAXIMUM SQUARE FOOTAGE OF THE WATERPROOFING AROUND PENETRATIONS.
- UNUSED/ABANDONED FLOOR/WALL OPENINGS SHALL BE SEALED OR FIRES TOPPED. CONTRACTOR SHALL MECHANICALLY SECURE ALL FLOOR DRAINS, EXCEPT FOR (DRAIN) INSPECTION AND STORE OPENING.
- THIS SPACE IS INTENDED TO PROVIDE A LIMITED MENU. NO EXPANSION OF THE MENU WILL BE ALLOWED WITHOUT PRIOR REVIEW/APPROVAL FROM NAVFAC.
- GC SHALL REPAIR AND/OR REPLACE BASE BUILDING FIRE PROOFING THAT HAS BEEN REMOVED OR DAMAGED DURING CONSTRUCTION TO THE REQUIRED THICKNESS AT GC'S EXPENSE.
- GC MUST IDENTIFY AND ADDRESS ALL EXISTING FIRE AND LIFE SAFETY APPARATUS AT OR WITHIN PROXIMITY TO STOREFRONT INCLUDING DURING BARRICADE CONSTRUCTION.
- ARCHITECT AND ENGINEER ARE REQUIRED TO SCHEDULE AND ATTEND A SITE SURVEY WITH AN NAVFAC CODE OFFICIAL WITHIN 72-HOURS AFTER DEMOLITION OF THE SPACE IS COMPLETED.

ACCESSIBILITY NOTES

- THE PROJECT HAS BEEN DESIGNED TO CONFORM WITH THE ACCESSIBILITY REQUIREMENTS OF THE STATE OF VIRGINIA AND THE AMERICANS WITH DISABILITIES ACT.
- MINIMUM DOOR WIDTH OF ACCESSIBLE DOORS MUST BE 36". CLEARANCE ON THE PULL SIDE OF THE DOORS MUST BE A MINIMUM OF 18".
- WHERE CONTROLS AND OPERATING MECHANISMS ARE PROVIDED IN ACCESSIBLE SPACES, ALONG ACCESSIBLE ROUTES OR AS PARTS OF ACCESSIBLE ELEMENTS, OPERABLE PARTS AND CONTROLS SHALL COMPLY WITH THE REQUIREMENTS OF ADA SECTION 4.27 OPERABLE PARTS SHALL BE NO MORE THAN 48" HIGH OR LESS THAN 18" ABOVE THE FLOOR.
- WHERE ALARMS ARE PROVIDED THEY SHALL COMPLY WITH THE REQUIREMENTS OF ADA SECTION 4.27.
- ACCESSIBLE SIGNAGE SHALL COMPLY WITH THE REQUIREMENTS OF THE SECTION A4.3.
- ALL EGRESS DOORS MUST SWING IN THE DIRECTION OF EGRESS AND SHALL NOT BE LOCKED FROM THE OPPOSITE SIDE OF EGRESS PASSAGE.

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ADDRESS
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KEC CONSULTANT:
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Agile Engineering, Inc.
MECHANICAL
ELECTRICAL
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Bojangles
SMOOTHIE
King
NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

No.	Description	Date
65%	SUBMITTAL	12/5/2025
95%	SUBMITTAL	2/5/2026

TITLESHEET

Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

A0.0

Scale	As indicated
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SECTION 01000 - GENERAL REQUIREMENTS:

- The Contractor shall obtain and pay for the Building Permit for the work. All work, including the material, stresses and methods of construction shall conform to Local and State codes.
- All work to be performed by Contractors licensed to work within the local Jurisdiction. Real ID or Passport required to get access.
- Project Meetings: Contractor and related subcontractors shall be required to attend project meetings at the project site when required by the Owner or Architect.
- Submittals: Required shop drawings to tenant and architect, product data and samples shall be submitted to the Architect for approval. Any monies spent or work performed without prior approval is done at the Contractors own risk.
- A. Submit shop drawings to architect in PDF format.
- B. Submit (3) three samples of the full range of required samples.
- C. Submit (3) three copies of project data.
- D. Shop Drawings, Samples and Product Data shall be required for the following items:
- a. All Finishes
- b. All Millwork including Wood Doors, Shelving and Cabinetry
- c. All Lighting
- d. All Appliances and equipment
- e. All Hardware
- E. Unless agreed to otherwise, all submittals shall be submitted no later than two weeks after construction starts. G.C. to submit schedule of submittals at start of construction.
5. Examination of the Site. The Contractor shall examine the premises and become thoroughly familiar with all existing conditions, and all the conditions which may arise that would affect his contract. Failure to do so will not relieve the Contractor of his responsibility to complete his work at no additional cost to the Owner. Contractor shall notify the Architect immediately in writing if he discovers any discrepancies between the drawings and existing conditions.
6. Existing Conditions: Before submitting his proposal, each bidder shall examine all drawings relating to this, to the character of the Work required and its relations to other work in the building. No consideration will be granted for alleged misunderstanding of material to be furnished or work to be done, it being understood that the tender of a proposal carries with it the agreement to all items and conditions referred to herein. Special attention shall be made of the type and extent of removals, relocations, overtime needed for interruption of building services for disconnecting of existing and/or installation of new services, maintenance of, continuity of services, etc.
7. The Contractor shall be responsible for properly laying out the Work and for lines and measurements for the Work. Verify all figures shown on drawings before laying out the Work and report inaccuracies of errors to the Architect before commencing the Work.
8. The Contractor shall arrange for, provide and maintain temporary facilities and controls as required for the proper and expeditious prosecution of the Work.
9. Unless agreed upon, no signs or advertisements will be allowed to be displayed on the premises of the building.
10. Heat and ventilation as required during construction may not be available for use until finish work begins, including floor finish, as same will be necessary to allow finishes to cure properly. Provide all required temporary heat and ventilation for proper protection of the work and the workers. Comply with all requirements of the Building management at no additional cost to the Owner.
11. Contractor shall provide all temporary corrections, lighting and distribution as required for the execution of the Work.
12. Substitutions: Substitutions of items specified or shown on drawings will not be permitted unless approved in advance by the Architect.
13. Materials, products and equipment shall be properly packaged and protected to prevent damage during transportation and handling. The Contractor shall be responsible for all unloading, rigging and installation of all materials and equipment.
14. Available storage space at the job site is limited to the area of construction. Any additional off-site space required is the responsibility of the Contractor. For additional space, contractor to coordinate laydown area with NEXCOM.
15. Store and protect materials delivered to the site from damage. Do not use damaged materials at the site.
16. Name plates and other identifying markings shall not be affixed on exposed surfaces of manufactured items installed in the finished spaces.
17. Execute the removal of waste materials on site during the entire construction period. Remove crates, cartons and other flammable waste materials or trash from the work area each work day.
18. Care shall be taken by workmen not to mark soil, rock or otherwise deface finished surfaces. In the event that finished surfaces become defaced, clean and restore such surfaces to their original condition.
19. Clean up immediately upon the completion of each trade's work and remove surplus materials and rubbish of every kind from the site.
20. Before commencing any alteration or demolition Work, submit a schedule showing the commencement, the order and the completion dates for the various parts of this work, for review by the Architect. NEX and NAVFAC shall also be notified as the permit is approved based on drawing package before any alterations to demo work.
21. Before starting any work relating to the existing utilities (electrical, sewer, water, heat, gas, fire lines, etc.) that will temporarily discontinue or disrupt service to the building, notify the building management and obtain approval in writing before proceeding with this phase of the Work. Take necessary precautions to prevent dust from rising. Protect unaltered portions of the existing building affected by the operations under this Section by dustproof partitions and other adequate means.
22. Immediately clean all dust and debris related to deliveries or construction which occurs in the Public Corridors or other building areas.
23. Do not close or obstruct walkways, passageways or stairways. Do not store or place materials in passageways, stairs or other means of egress. Conduct operations with minimum traffic interference.
24. The Contractor shall be responsible for any damage to the existing structure or contents by reason of the insufficiency of protection provided. Execute the removal of a structure in a safe and orderly manner, with the least possible disturbance to the public and to the occupants of the building.
25. Where alterations occur, or new and old work join, cut, remove, patch, repair or refinish the adjacent surfaces or so much thereof as is required by the involved conditions, and leave in as good condition as existed prior to the commencing of the work. The materials and workmanship, unless otherwise shown or specified, shall comply with that of the original work. Alteration work shall be performed by the various respective trades which normally perform the particular items of work.
26. Finish new and adjacent existing surfaces as specified for new work. Clean existing surfaces of dirt, grease, loose paint, etc., before refinishing.
27. Provide any temporary protection required to adequately protect the adjoining property, the public and construction personnel. Provide locked access to the work area.
28. Contractor shall post all applicable building permits in a visible location ready for inspection by the proper authorities having jurisdiction.
29. Contractor shall be responsible for any and all traffic violations due to his operation and misuse of streets and sidewalk surrounding the "Area of Work".
30. No alcoholic beverages or smoking will be allowed within the demised premise. Contractor shall be responsible to enforce same on all subcontractors and subordinate subcontractors.
31. "General Conditions of the Contract for Construction" A.I.A. Document A-201, 2017 edition, of the American Institute of Architects, referred to in the Contract Documents as the General Conditions, together with the following articles of the Supplementary General Conditions, which amend, modify or supplement the provisions of the General Conditions are made part of the Contract and shall apply to all Work under the Contract. All articles or parts of articles of the General Conditions not so amended, modified or supplemented by these Supplementary General Conditions, shall remain in full force and effect. Should any discrepancy become apparent between the General Conditions and the Supplementary General Conditions, the latter shall be given and take precedence.
32. The Contractor shall guarantee all work, including labor, materials and equipment, for one (1) year from date of completion of the Project. All work shall be installed in accordance with the Contract Documents, Manufacturer's instructions and highest quality trade standards, unless more stringent. Where the Contractor is required by the Drawings or Specifications to install Owner furnished items, the Contractor shall unload, store, store, protect, assemble, install and connect such items.
33. Work and Items Supplied By Others: As Noted.
34. Report evidence of overstress, deterioration, and damage that is found or that occurs during the Work. Report conditions that cannot be accommodated by ordinary means without design changes. Obtain the Architect's direction before proceeding with affected work.
35. Substrate Preparation for Finishing: Repair, clean and recondition existing surfaces so that successful refinishing does not require additional preparation beyond that specified in Product Sections.
36. Schedule - The Contractor shall submit Progress Schedule, in easy-to-read graphic form, at the Preconstruction Conference. Show beginning date and Final Completion Date. Show beginning and completion dates for major elements of the Work. Break down major elements to define critical path. Show dates for completion of the Work and periods allotted for review by Architect. Update and show all changes, including percentage completion, major changes in scope, modified activities, revised projections of progress and completion, and other identifiable changes. Submit a revised copy at each Progress Meeting. Show dates for receipt of Owner supplied items and services.
37. Schedule of Values: Submit in ample time for review, revision and resubmission before the first application for payment.
38. Contractor shall maintain Project Record Documents and collect one copy each of the following documents and label each one PROJECT RECORD, as follows:
- A. Drawings, Specifications and Addenda.
- B. Change Orders, and other Modifications.
- C. Architect's Field Orders and any written instructions.
- D. Field Test Records.
- E. Project Meeting Minutes.
- F. Progress Schedule.
- G. Submittals, shop drawings and cut sheets.
39. Keep Record Documents in Contractor's Field Office, separate from documents used for construction and available for Architect's inspection. Mark Record Drawings, Specifications and Addenda neatly and legibly, with colored pencil or felt tip marker, to show actual construction and products utilized. Keep record current with construction progress; do not cover up work until information is recorded.
40. Close-out Submittals - Before applying for final payment, the Contractor shall submit:
- A. Completion Notice and all Certificates of Inspections and other evidence of compliance with regulatory agency requirements.
- B. Evidence of payments and release of liens in accord with Conditions of the Contract.
- C. Certificate of Insurance for Products and Completed Operations.
- D. Project Record Documents.
- E. Extra stock, spare parts, maintenance materials, keys and special tools required by Product Sections.
- F. Warranties, services/maintenance contracts, and manuals required by Product Sections.
- G. As-Built Drawings.
- H. Other documents as required by the local jurisdiction at time of project closeout.
41. General Contractor shall provide list of all Subcontractors to Owner's Representative and Tenant's Representative.
42. General Contractor shall provide and install Fire Extinguishers as required by Code. Locations to be verified.
43. General Contractor is to turn over the space to the owner in a clean condition which includes dusting, high dusting and general cleaning.

46. Insurance: all contractors (general and subcontractors) shall comply with local municipality and owner's requirement for insurance, bonds and waivers of lien.
- A. Prior to commencement of the work, all contractors and subcontractors shall obtain insurance policies as outlined below. Insurance policies are to name the owner, owner's architect (silhouette design architecture, inc.), the architect's consultants (as listed on the title sheet), the landlord and the landlord's general contractor (if applicable) as additionally insured. Certificates of insurance shall be submitted to those named.
- B. Workman's compensation and occupational disease insurance.
- a. state - statutory
- b. applicable federal (e.g.: longshoremen, harbor work, work outside the united states):- statutory-
- c. Employer's liability: \$500,000.00 per accident, \$500,000.00 disease
- d. Benefits required by union labor contracts as applicable
- C. Comprehensive general liability (including premises - operations: independent contractors' protective; products and completed operations: broad form property damage; automobile coverage, and contractual liability.)
- a. Bodily injury: \$3,000,000 each occurrence, \$3,000,000 aggregate
- b. Property damage (including water damage and sprinkler leakage, legal liability). \$3,000,000 each occurrence, \$3,000,000 aggregate
- c. Products and completed operations shall be maintained for a minimum of one (1) year after final payment and contractor shall continue to provide evidence of such coverage to owner on an annual basis during the aforementioned period.
- d. Property damage liability insurance shall include coverage for explosion and collapse.
- e. Contractual liability (hold harmless coverage): Bodily injury: \$2,000,000 each occurrence, Property damage: \$2,000,000 each occurrence \$2,000,000 aggregate
- f. Personal injury (with employment exclusion deleted): (G.C. to verify amt. Required w/ owner) each person
- D. Comprehensive automobile liability (owned, non-owned, hired): Bodily injury: \$2,000,000 each person, \$2,000,000 each accident, Property damage: \$2,000,000 each occurrence
- E. Other insurance and bonds as may be required by the owner verify requirements with the owner).

1. Refer to the architectural drawings for any notes related to demolition work.
2. The General Contractor is to demolish and remove from the premises in a manner acceptable to any jurisdictional agencies, the owner and the approval of the architect, all work so indicated or required by the work of the contract documents or as may be directed in the field by the architect. The work which is to be removed shall include any existing construction, furnishings, equipment or finishes not to remain in the completed work.
3. Layout of work:
 - A. General Contractor shall locate all existing utility service lines and protect them throughout the construction period.
 - B. General Contractor shall lay out work and be responsible for all lines, elevations, measurements of the building utilities, and other work executed under the contract.
 - C. General Contractor shall verify all dimensions as they may apply to existing conditions with particular emphasis on dimensions marked "verify" or verify in field (V.I.F.) by both architect and owner immediately of any discrepancies between the drawings and existing conditions in written form.
 - D. Any discrepancies, errors, or omissions discovered in the contract documents by the contractor shall be brought to the attention of the architect and owner before proceeding with related work. Otherwise, the correction of such items will be the responsibility of the contractor.

1. General Contractor shall be responsible for a smooth transition between floors and adjacent floors/public walks. The floor may require latex feathering or, where possible, grinding down of subfloor to allow for a smooth transition, if floor grinding is not permitted by owner, contract architect.
2. Concrete work shall conform to the currently adopted ACI 318, building code requirements for reinforced concrete; ACI 301 specifications for structural concrete for buildings; ACI 302.1r, guide for concrete floor and slab construction.
3. Ultimate compressive strength of Portland cement concrete, standard weight at twenty eight days shall be 4000 psi for slab on grade, and 3000 psi for all other concrete work. Design and submittal for concrete mix shall be in accordance with ACI 318, chapter 5 and ACI 301, chapter 3 and shall be submitted in advance to structural engineer for approval.
4. Air entrained concrete shall be used for all concrete exposed to weather, except as noted in the drawings.
5. Calcium chloride and/or admixtures containing calcium chloride shall not be included in concrete mix.
6. Concrete contractor shall not pour concrete in adverse weather conditions or when such forecast for the time period following the pour, unless proper curing and protection is provided continuously until concrete develops its design strength.
7. Unless otherwise noted, principle reinforcement shall have the following concrete protection:
 - A. Forward surfaces in contact with soil or water, or exposed to weather --- 2 inches
 - B. Formed surfaces not in contact with soil or water or exposed to weather --- 3/4 inch
8. Concrete Floors
 - A. Concrete floors to be properly prepared without holes, cracks, and bumps to insure a smooth and level floor installation.
 - B. Provide concrete sealer as indicated on drawings. Follow manufacturer's instructions for floor preparation. Test concrete to verify if acid surface preparation is required prior to applying sealer. Allow sealer to dry at least 24 hours (or manufacturer's specified drying time) before subjecting to light foot traffic.

Division 05: Metals:

1. Refer to the structural drawings for specifications related to structural metal work.
2. General: Shear and punch metals cleanly and accurately. Remove burrs and ease exposed edges. Form bent-metal corners to smallest radius possible without impairing work.
3. Welding: Weld corners and seams continuously. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals. At exposed connections, finish welds and surfaces smooth with contour of welded surface matching those adjacent.
4. Hot-dip galvanize steel fabrications at exterior locations.
5. Prepare uncoated ferrous metal surfaces to comply with SSPC-SP 3, "Power Tool Cleaning," and paint with a fast-curing, lead- and chromate-free, universal moisture-alkyl primer complying with MP#73.
6. Form cutting, drilling, and fitting required for installing miscellaneous metal fabrications. Set metal fabrication accurately in location, alignment, and elevation; with edges and surfaces level, plumb, true, and free of rack.
7. Fit exposed connections accurately together to form hairline joints.
8. Setting: Nonshrink, Nonmetallic Grout: ASTM C 1107; recommended by manufacturer for exterior applications as required.
9. Coat concealed surfaces of aluminum that will come into contact with grout, concrete, masonry, wood, or dissimilar metals with a heavy coat of bituminous paint.

1. Scope of work includes, but is not limited to, rough carpentry (wood blocking) and finish carpentry (cabinetry, wood trim, hardware and accessories).
2. Rough carpentry: wood blocking
 - A. Provide solid blocking in stud walls where all fixtures or devices are to be mounted. All wood blocking shall be fire resistant treated.
 - B. All dimensional lumber to be fire retardant with U.L. rating "non-combustible."
3. All dimensional lumber, blocking & nailers to be fire retardant. All finished lumber to be rift-cut Douglas fir retardant where necessary. Utility grade boards to comply with ps-20.
4. Plywood and MDF plywood for general interior carpentry shall be 3/4" APA trademarked, c-d plugged, UL labeled class a, fire-retardant treated, exposure 1 panels complying with ps-1. Provide treatment that yields a flame spread rating of not more than 25 when tested according to ASTM E84. Kiln dry after treatment to moisture content of 15% maximum.
5. Wood shall be seasoned to a 19% moisture content.

The G.C. shall install blocking as necessary for attachment of all interior trim & fixtures.
7. Finish carpentry: cabinetry, and wood trim:
 - A. All millwork shall comply with the appropriate specifications of "the architectural quality standards illustrated" of the American woodwork institute (AWI) for "custom" grade millwork.
 - B. Stain grade finish lumber shall be "Douglas fir" sanded smooth and free of blemishes or abrasions. All wood shall have tight and uniform joints.
 - C. Millwork contractor shall verify all dimensions affecting his work in the field prior to fabrication.
 - D. Fixture millwork as noted on drawings is supplied and installed by tenant General Contractor, unless otherwise noted.
 - E. Some field assembly of millwork is required. Follow shop drawing accompanying millwork. All field assembled millwork to be scribed and joined accurately.
 - F. Installation to be in accordance with manufacturer's shop drawings.
 - G. Make all joints inconspicuous maintaining a uniform flush connection using combination of screws, dowels and glue. Blind fasten where possible. Where blind fastening is impossible, drill holes uniformly, set and putty holes and finish as applicable to surface.
 - H. All stain finish wood trim to be custom grade species as noted in drawings. Sanded with tight joints, scraped horizontal, glued, and nailed. No butt joints will be accepted.
8. Intumescent coating to be American Fire Coatings, Inc., FC No.166. Apply to untreated wood finishes, following manufacturer's recommendations, must be performed off site, certificate stickers shall be required to be placed on all application locations.
9. Grommets and access holes: provide 2" black plastic grommets at counterports and trough the sides of finished faces of millwork at each POS/Cash register locations unless otherwise noted. Provide grommets in counterport when power is below counter height for above counter equipment. GC shall coordinate locations with subcontractors and owner's vendors for shop drawing to counterm holes or be prepared to field cut grommets.

1. Section Includes:

- A. Plastic-laminate-clad architectural cabinets.
- B. Plastic-laminate-clad banquette seating.
- C. Cabinet hardware and accessories.
- D. Wood furring, blocking, shims, and hanging strips for installing plastic-laminate-clad architectural cabinets that are not concealed within other construction.
- E. Retain subparagraphs below to cross-reference requirements Contractor might expect to find in this Section but are specified in other Sections.
- F. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to support loads imposed by installed and fully loaded cabinets.

- Product Data: For each type of product. Include data for fire-retardant treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.

3. Sustainable Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.

 - Product Certificates: For regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project and cost for each regional material.
 - Product Certificates: For regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project, means of transportation, and cost for each regional material.
 - Environmental Product Declaration (EPD): For each product.
 - Product Data: For adhesives, indicating that product contains no urea formaldehyde.

4. Shop Drawings: Include plans, elevations, sections, and attachment details.

 - Show large-scale details.
 - Indicate locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
 - Indicate locations and sizes of cutouts and holes for items installed in plastic-laminate architectural cabinets.

5. Samples: For each exposed product and for each color and texture specified, in manufacturer's or manufacturer's standard size.

6. Product Certificates: For

 - High-pressure decorative laminate.
 - Adhesives.

7. Evaluation Reports: For fire-retardant-treated materials, from ICC-ES.

8. Manufacturer's Qualifications: Employ skills of workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.

9. Do not deliver cabinets until painting and similar finish operation  that might damage architectural cabinets have been completed in installation areas. Store cabinets in installation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

10. Environmental Limitations without Humidity Control: Do not deliver or install cabinets until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.

11. Field Measurements: Where cabinets are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

 - Locate concealed framing, blocking, and reinforcements that support cabinets by field measurements before being enclosed/concealed by construction, and indicate measurements on Shop Drawings.

12. Established Dimensions: Where cabinets are indicated to fit to other construction, establish dimensions for areas where cabinets are to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

13. Quality Standard: Unless otherwise indicated, comply with the Architectural Woodwork Standards for grades of cabinets indicated for construction, finishes, installation, and other requirements.

14. Architectural Woodwork Standards: Grade: Custom. Provide labels and certificates from AWI certification program indicating that woodwork complies with requirements of grades specified.

15. Regional Materials: Wood products shall be manufactured within 500 miles (800 km) of Project site from materials that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles (800 km) of Project site.

16. Certified Wood: Wood products shall be certified as "FSC Mixed Credit" in accordance with latest relevant versions of FSC STD-01-001 and FSC STD-40-004.

17. Type of Construction: See Drawings

18. Door and Drawer Front Style: See Drawings

19. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or if not indicated, as required by quality standard.

 - See Finish Schedule for specified Laminates.

20. Laminate Cladding for Exposed Surfaces:

 - Horizontal Surfaces: Grade HGS
 - Vertical Surfaces: Grade HGS
 - Edges: ABS/PVC extruded fabrication.
 - Pattern Direction: As indicated

21. Materials for Semiexposed Surfaces:

 - Surfaces Other Than Drawer Bodies: High-pressure decorative laminate, NEMA LD 3, Grade VGS.
 - Edges of Plastic-Laminate Shelves: ABS/PVC extruded fabrication.
 - Edges of Thermally Fused Laminate Panel Shelves: ABS/PVC extruded fabrication.
 - Drawer Sides and Backs: Thermally fused laminate panels with ABS/PVC extrusion edge banding.
 - Drawer Bottoms: Thermally fused laminate panels.

22. Dust Panels: 1/4-inch (6.4-mm) plywood or tempered hardboard above compartments and drawers unless located directly under tops.

23. Joinery: Significant Woodwork Standards: Fasten to substrate with mounting screws from interior of body.

 - Join subfrights, backs, and sides with glued rabbeted joints supplemented by mechanical fasteners.

24. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:

 - As specified in Finish Schedule in the drawings.

25. Fire-Retardant-Treated Materials, General: Where fire-retardant-treated materials are indicated, use materials that are acceptable to authorities having jurisdiction and with fire-test-response characteristics specified as determined by testing identical products in accordance with test method indicated by a qualified testing agency.

 - Use treated material comply with requirements of referenced quality standard. Do not use materials that are warped, discolored, or otherwise defective.
 - Use fire-retardant-treatment formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated materials from untreated materials.
 - Identify fire-retardant-treated materials with appropriate classification marking of qualified testing agency in the form of removable paper label or imprint on surfaces that will be concealed from view after installation.

26. Fire-Retardant-Treated Lumber and Plywood: Products with a flame-spread index of 25 or less when tested in accordance with ASTM E84, with no flaming or significant wood charring with exposure when the test is extended an additional 20 minutes, and with the flame front not extending more than 10.5 ft (3.2 m) beyond the centerline of the burners at any time during the test.

 - Kiln-dry lumber and plywood after treatment to a maximum moisture content of 19 and 15 percent, respectively.
 - For items intended to receive a stained or natural finish, use organic resin chemical formulation.
 - Mill lumber after treatment within limits set for wood removal that do not affect listed fire-test-response characteristics, using a woodworking shop certified by testing and inspecting agency.
 - Mill lumber before treatment and implement procedures during treatment and drying processes that prevent lumber from warping and developing discoloration from drying sticks or other causes, marring, and other defects affecting appearance of architectural cabinets.

27. Fire-Retardant Fiberboard: MDF panels complying with ANSI A208.2, made from softwood fibers, synthetic resins, and fire-retardant chemicals mixed together at time of panel manufacture to achieve flame-spread index of 25 or less and smoke-developed index of 200 or less in accordance with ASTM E84.

28. Provide cabinet hardware and accessory materials associated with architectural cabinets.

 - Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - Accurde International.
 - Blum, Julius & Co., Inc.
 - CompX International, Inc.
 - Grass America Inc.
 - Hardware Resources.
 - Hettich America L.P.
 - Knappe & Vogt Manufacturing Company.
 - Häfele

29. Continuous Piano Hinges for Cabinet Doors:

 - Semic concealed Hinges for Flush Doors: ANSI/BHMA A156.9, B01361.
 - Semic concealed Hinges for Overlay Doors: ANSI/BHMA A156.9, B01521.

30. Back-Mounted Pulls: ANSI/BHMA A156.9, B02011.

31. Cabinet Pulls: See Drawings

32. Catches: Magnetic catches, ANSI/BHMA A156.9, B03141

33. Adjustable Shelf Standards and Supports: ANSI/BHMA A156.9, B04071; with shelf rests,

34. Shelf Rests: ANSI/BHMA A156.9, B04013; metal

35. Drawer Slides: ANSI/BHMA A156.9.

 - Heavy-Duty (Grade 1HD-100 and Grade 1HD-200): Side mount
 - Type: Full extension.
 - Material: Stainless steel slides.
 - Motion Feature: Push to open and Soft close dampener.

36. Slides for Sliding Glass Doors: ANSI/BHMA A156.9, B07063;

37. Door Locks: ANSI/BHMA A156.11, E07121.

38. Drawer Locks: ANSI/BHMA A156.11, E07041.

39. Door and Drawer Silencers: ANSI/BHMA A156.16, L03011.

40. Tempered Float Glass for Cabinet Shelves: ASTM C1048, Kind FT, Condition A, Type I, Class 1 (clear) Quality-Q3; with exposed edges seamed before tempering, 6 mm thick.

 - Tint Color: Blue-green

41. Grommets for Cable Passage: 2-inch (51-mm)OD, molded-plastic grommets and matching plastic caps with slot for wire passage.

 - Color: Match Countertops

42. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with ANSI/BHMA A156.18 for ANSI/BHMA finish number indicated.

 - Dark, Oxidized, Satin Bronze, Oil Rubbed: ANSI/BHMA 613 for bronze base; ANSI/BHMA 640 for steel base; match Architect's sample.
 - Satin Brass, Blended, Right Beveled, Clear Coated: ANSI/BHMA 610 for brass base; ANSI/BHMA 636 for steel base.
 - Satin Chromium Plated: ANSI/BHMA 626 for brass or bronze base; ANSI/BHMA 652 for steel base.
 - Satin Stainless Steel: ANSI/BHMA 630.

43. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in ANSI/BHMA A156.9.

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[illegible]

Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

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Annotation List:

ABV	ABOVE	SF	SQUARE FEET
A/C	AIR CONDITIONING	SHT	SHEET
ACT	ACOUSTICAL CEILING TILE	SIM	SIMILAR
ADJ	ADJUSTABLE	SPECS	SPECIFICATIONS
AFF	ABOVE FINISHED FLOOR	SOD	SLAB ON DECK
		SOG	SLAB ON GRADE
BD	BOARD	SS	STAINLESS STEEL
BLDG	BUILDING	ST	STONE
BLKG	BLOCKING	STD	STANDARD
BM	BEAM OR BENCHMARK	STRUCT	STRUCTURAL
BOH	BACK OF HOUSE		
BTWN	BETWEEN	TEMP	TEMPERED, TEMPORARY
		T.O.	TOP OF
CAB	CABINET	T&G	TONGUE AND GROOVE
CJ	CONTROL JOINT	TEL	TELEPHONE
CL	CENTERLINE	TRAN	TRANSFORMER
CLG	CEILING	TV	TELEVISION
CMU	CONCRETE MASONRY UNIT	TYP	TYPICAL
CO	CLEAN OUT		
COL	COLUMN	UL	UNDERWRITERS LABORATORY
CONC	CONCRETE	UNO	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS		
CONST	CONSTRUCTION	VERT	VERTICAL
CG	CORNER GUARD	VEST	VESTIBULE
CPT	CARPET	VIF	VERIFY IN FIELD
CSMT	CASEMENT	VR	VAPOR RETARDER
DIM	DIMENSION	W/	WITH
DN	DOWN	WC	WATER CLOSET
DWG	DRAWING	WD	WOOD
		WDW	WINDOW
EA	EACH	WH	WATER HEATER
EJ	EXPANSION JOINT	W/IN	WITHIN
ELEC	ELECTRICAL	W/O	WITHOUT
EL	ELEVATION	WP	WATERPROOF
ELEV	ELEVATOR	WT	WEIGHT
EQ	EQUAL		
EQUIP	EQUIPMENT	#	NUMBER OR POUND
EXH	EXHAUST	@	AT
EXIST	EXISTING		
EXT	EXTERIOR		
FA	FIRE ALARM		
FD	FLOOR DRAIN		
FE	FIRE EXTINGUISHER		
F.F.	FINISHED FLOOR		
FLR	FLOOR		
FOH	FRONT OF HOUSE		
FP	FIRE PROTECTION		
FRP	FIBERGLASS REINFORCED PANEL		
FRT	FIRE RETARDANT TREATED		
GA	GAUGE		
GALV	GALVANIZED		
GB	GYP SUM BOARD		
GC	GENERAL CONTRACTOR		
GL	GLASS, GLAZING		
GWB	GYP SUM WALL BOARD		
GYP	GYP SUM		
HORIZ	HORIZONTAL		
HT	HEIGHT		
HVAC	HEATING/VENTILATION & AIR CONDITIONING		
INFO	INFORMATION		
INSUL	INSULATION		
INT	INTERIOR		
INV	INVERT		
JT	JOINT		
J-BOX	JUNCTION BOX		
KEC	KITCHEN EQUIPMENT CONSULTANT		
KIT	KITCHEN		
LAM	LAMINATED		
LAV	LAVATORY		
LF	LINEAR FEET		
MAS	MASONRY		
MAT	MATERIAL		
MAX	MAXIMUM		
MECH	MECHANICAL		
MEZZ	MEZZANINE		
MFR	MANUFACTURER		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MTL	METAL		
MW	MILLWORKER		
NIC	NOT IN CONTRACT		
NTS	NOT TO SCALE		
OC	ON CENTER		
OPP	OPPOSITE		
OSB	ORIENTED STRAND BOARD		
PLAM	PLASTIC LAMINATE		
PLUMB	PLUMBING		
PSF	POUNDS PER SQUARE FOOT		
PSI	POUNDS PER SQUARE INCH		
QT	QUARRY TILE		
QTR	QUARTER		
QTY	QUANTITY		
R	RADIUS		
RB	RUBBER BASE		
REF	REFERENCE		
REINF	REINFORCE		
REQ	REQUIRED		
RM	ROOM		
RO	ROUGH OPENING		

SYMBOL LEGEND:

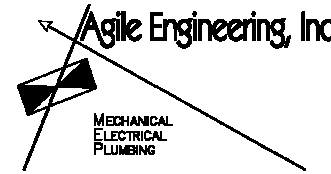
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SECTION TAG	
CALLOUT TAG	
COLUMN LINE TAG	
ROOM TAG	
CASEWORK TAG	
FURNITURE TAG	
LIGHT FIXTURE TAG	
DOOR TAG	
MATERIAL TAG	
WALL TYPE TAG	
ELEVATION TAG	

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No.	Description	Date
	65% SUBMITTAL	12/5/2025

GENERAL NOTES
AND
SPECIFICATIONS

Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG



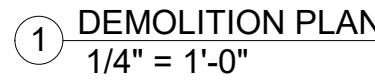
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Scale	12" = 1'-0"
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- 1A. EXISTING WALL TO REMAIN.
1. EXISTING COUNTER DIE WALL TO REMAIN. GC TO CUT EXISTING STUDS DOWN FOR NEW COUNTER HEIGHT.
2. REMOVE EXISTING WALL FROM FLOOR TO CEILING. VERIFY WALL IS NOT FIRE-RATED NOR LOAD-BEARING PRIOR TO REMOVAL.
3. EXISTING COLUMNS TO REMAIN, PROTECT FROM DAMAGE.
4. EXISTING FLOOR TILE TO REMAIN. GC TO DEEP CLEAN AND RE-GROUT THE FLOOR. PATCH AND REPAIR DAMAGE TILES AS NECESSARY, AND PATCH WHERE ANY EXISTING WALLS ARE REMOVED.
5. EXISTING BASE BUILDING FLOORING TO REMAIN, PROTECT FROM DAMAGE. GC RESPONSIBLE FOR ANY DAMAGE REPAIR TO OWN EVIDENCE.
6. TEMPORARY CONSTRUCTION BARRICADE. COORDINATE FINAL LOCATION WITH LANDLORD AND FOLLOW ANY STANDARDS.
7. TEMPORARY CONSTRUCTION BARRICADE DOUBLE DOOR. PROVIDE DOOR HARDWARE, DOOR CLOSE, AND LOCK SET PER LANDLORD REQUIREMENTS.
8. EXISTING HOOD TO REMAIN. NEW EXHAUST FAN, RE: MECHANICAL.
9. REMOVE EXISTING HOOD AND EXHAUST FAN, CAP ROOF CURB/PENETRATION, RE: MECHANICAL.
10. EXISTING WALK-IN COOLER TO REMAIN.
11. EXISTING EQUIPMENT TO REMAIN.
12. REMOVE EXISTING EQUIPMENT. CAP PLUMBING LINES AT WET FIXTURES.
13. REMOVE DOOR TO REMAIN.
14. REMOVE EXISTING COUNTERTOP.
15. REMOVE EXISTING CEILING TILES AND REPLACE WITH NEW. EXISTING HANGERS AND GRID TO REMAIN.
16. REMOVE EXISTING LIGHT FIXTURES. REMOVE EXISTING LIGHT FIXTURE. FOR FLUORESCENT BULBS, GC SHALL PACKAGE IN A BOX AND SEND TO A SAFE DEMO FACILITY.
17. REMOVE EXISTING HVAC DIFFUSERS AND REPLACE WITH NEW, RE: MECHANICAL.
18. EXISTING SPEAKERS TO REMAIN. INSTALL ON NEW CEILING.
19. EXISTING BASE BUILDING CEILINGS AND LIGHTS TO REMAIN, NOT IN SCOPE.

1. BARRICADE CONSTRUCTION TO BE CONFIRMED WITH NAVFAC FOR APPROVAL.
2. GC TO PROVIDE AND VERIFY TEMPORARY GRAPHIC SIZE AND DOOR LOCATION IN FIELD.
3. GC TO PROVIDE AND INSTALL BARRICADE GRAPHIC. SUBMIT SHOP DRAWING TO ARCHITECT FOR APPROVAL.
4. TAPE, FLOOR, AND PAINT CONCOURSE SIDE OF BARRICADE & INSTALL PER TRANSIT STATION REQUIREMENTS OR EVIDENCE.
5. CONTINUOUS CONSTRUCTION BARRICADE TO SEPARATE WORK AREA FROM NON-SECURE AREAS PER TRANSIT STATION FLOORING DURING CONSTRUCTION.
6. REPAIR ANY DAMAGES TO TRANSIT STATION CEILING OR FLOORING AFTER REMOVAL OF BARRICADE.
7. DEMOLITION OF DUST PARTITION AT CONCLUSION OF PROJECT BY GC.

1. DEMOLITION PLAN IS INDICATED FOR REFERENCE ONLY. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND COORDINATE ALL REQUIRED DEMOLITION, AS REQUIRED, PER CONSTRUCTION DRAWINGS.
2. REFER TO CONSTRUCTION PLANS FOR EXTENT OF NEW CONSTRUCTION.
3. COORDINATE DEMOLITION WORK WITH MEP DRAWINGS.
4. CARE SHOULD BE TAKEN TO PROTECT, MAINTAIN, AND NOT INTERRUPT EXISTING SERVICES AND UTILITIES SERVING THE BLDG.
5. GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN PLANS AND EXISTING CONDITIONS.
6. ASBESTOS/ HAZARDOUS WASTE - CONTACT AND REMOVAL: THE OWNER SHALL BE IMMEDIATELY NOTIFIED IF DEMOLITION AND/OR CONSTRUCTION UNDER THIS CONTRACT INVOLVES CONTACT WITH ASBESTOS OR OTHER HAZARDOUS MATERIAL. IF FOUND OR SUSPECTED WITHIN THE AREAS OF DEMOLITION AND/OR CONSTRUCTION, NOTIFY OWNER IMMEDIATELY.
7. CONFORM TO UFC AND LOCAL BUILDING CODE FOR DEMOLITION, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, SERVICE UTILITIES AND DISCOVERED HAZARDS.
8. PERMITS: GENERAL CONTRACTOR SHALL MAKE ALL ARRANGEMENTS, PAY FOR AND OBTAIN ALL DEMOLITION PERMITS, INCLUDING PERMITS REQUIRED TO DISCONNECT AND CAP ALL UTILITIES, AS REQUIRED, INCLUDING BUT NOT LIMITED TO DOMESTIC AND FIRE PROTECTION, WATER, GAS, ELECTRICAL AND PHONE SERVICES, STORM AND SANITARY SEWERS.
9. PRIOR TO CONTRACT, GENERAL CONTRACTOR SHALL INSPECT ALL AREAS AFFECTED BY DEMOLITION AND EXISTING CONSTRUCTION TO REMAIN, AS WELL AS ADJACENT AREAS AFFECTED BY DEMOLITION.
10. PROTECT EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED OR WHICH ARE TO BE REMOVED AND SALVAGED FOR REUSE.
11. GENERAL CONTRACTOR SHALL REPAIR OR RESTORE TO EXISTING CONDITION ADJACENT CONSTRUCTION AND PUBLIC OR PRIVATE PROPERTY DAMAGED BY WORK.
12. MAINTAIN PROTECTED EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS OR SIDEWALKS WITHOUT PERMITS. DO NOT CLOSE OR OBSTRUCT REQUIRED EXISTING EGRESS AT ANY TIME.
13. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION AND ARCHITECT/ ENGINEER.
14. DISCONNECT, CAP AND IDENTIFY DESIGNATED UTILITIES, PER DRAWINGS AND AS REQUIRED.
15. DEMOLISH COMPONENTS INDICATED, IN AN ORDERLY AND CAREFUL MANNER.
16. COORDINATE SEQUENCE OF ALL DEMOLITION AND NEW CONSTRUCTION WITH OWNER.
17. REMOVE DEMOLISHED MATERIALS FROM SITE AS WORK PROGRESSES.
18. UPON COMPLETION OF DEMOLITION, THE PREMISES SHALL BE LEFT CLEAN AND CLEAR OF DEBRIS.
19. VERIFY WITH OWNER ANY ITEMS TO BE SALVAGED FOR REUSE.
20. ANY PENETRATIONS TO EXISTING ROOFING SHALL MEET ALL REQUIREMENTS TO MAINTAIN OWNER WARRANTY. VERIFY REQUIREMENTS WITH OWNER.
21. PROVIDE TEMPORARY SHORING AND BRACING MEMBERS WITH CONNECTIONS OF SUFFICIENT STRENGTH TO BEAR IMPOSING LOADS. REMOVE TEMPORARY CONNECTIONS AND BRACING WHEN PERMANENT MEMBERS ARE IN PLACE AND FINAL CONNECTIONS ARE MADE. LEVEL AND PLUMB INDIVIDUAL MEMBERS OF THE STRUCTURE WITHIN ACCEPTABLE TOLERANCES. G.C. SHALL ASSUME RESPONSIBILITY FOR PROVIDING ADEQUATE BRACING OF ALL WALLS DURING DEMOLITION AND CONSTRUCTION.
22. ALL WORK MUST COMPLY WITH O.S.H.A. SAFETY GUIDELINES.
23. WHEN EXISTING MECHANICAL, PLUMBING AND/OR ELECTRICAL FIXTURES AND/OR EQUIPMENT ARE REMOVED FROM THE BUILDING, THEY ARE TO BE DISCONNECTED AT THE SOURCE (UNLESS OTHERWISE NOTED)
24. THE DOCUMENTS ASSUME ALL MECHANICAL, PLUMBING & ELECTRICAL DEVICES TO REMAIN ARE IN SATISFACTORY CONDITION AND ARE TO BE REUSED. ITEMS SCHEDULED FOR REUSE ARE TO BE INSPECTED BY A MECHANICAL/ELECTRICAL CONTRACTOR AND THE OWNER SHALL BE ADVISED OF CONDITION FOR REUSE.
25. ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL TELEPHONE OUTLETS AND ALL ASSOCIATED WIRES IN THE WALLS TO BE REMOVED AND TERMINATED AT THE LAST OUTLET THAT REMAINS IN SERVICE. COORDINATE WITH ELECTRICAL PLANS.
26. ALL EMPTY CONDUIT AND JUNCTION BOXES TO BE REMOVED.
27. DEMOLITION CONTRACTOR SHALL REMOVE ALL FLOOR COVERINGS WHERE INDICATED AND GLUE AND PREPARE THE FLOOR FOR NEW FLOOR COVERINGS PER MFG WRITTEN RECOMMENDATIONS.
28. CONTRACTOR SHALL AVOID ANY CUTTING OF EXISTING REINFORCEMENT OF EXISTING FLOOR DURING INSTALLATION OR DEMOLITION OF ANY CONDUIT OR PIPE, ETC.
29. ALL DEBRIS, DIRTY WATER / RESIDUE FROM TILE CUTTING ETC. MUST BE TAKEN OFF SITE AND DISPOSED OF CORRECTLY.
30. ALL AOA WALLS MUST REMAIN SECURE DURING THIS PROJECT.
31. THE CONTRACTOR SHALL REPAIR FLOOR, WALLS, CEILING TO MATCH ADJACENT IN ALL ASPECTS IF REPAIR WORK IS NOT IDENTIFIED IN PERMIT DRAWINGS.
32. ALL UNUSED EXISTING FLOOR PENETRATIONS MUST BE COMPLETELY FILLED AND PATCHED.



1. A SECURITY SWEEP MUST BE COMPLETED BY IAH PRIOR TO REMOVAL OF THE TEMPORARY CONSTRUCTION WALL.
2. TENANT/TENANT CONTRACTOR IS ENCOURAGED TO USE A PREFABRICATED MODULAR WALL SYSTEM FOR CONTINUITY AND RELIABILITY AS WELL AS FOR SUSTAINABILITY CONCERNS. MODULAR WALLS SUCH AS SWIFTWAL, STARC SYSTEMS, OR SIMILAR

1. GC TO VERIFY ALL FIELD DIMENSIONS AND CONTACT PROJECT ARCHITECT WITH ANY SITE DISCREPANCIES
2. FIRE RATED WOOD IS REQUIRED FOR ALL BLOCKING.

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ELECTRICAL
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Bojangles.



**SMOOTHIE
King.**

NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

No.	Description	Date
	65% SUBMITTAL	12/5/2025
	95% SUBMITTAL	2/5/2026

Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG
A0.4	
Scale	As indicated

No.	Description	Date
65%	SUBMITTAL	12/5/2025

REFLECTED CEILING DEMOLITION PLAN

Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

A0.5

Scale	As indicated
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DEMOLITION KEYED NOTES

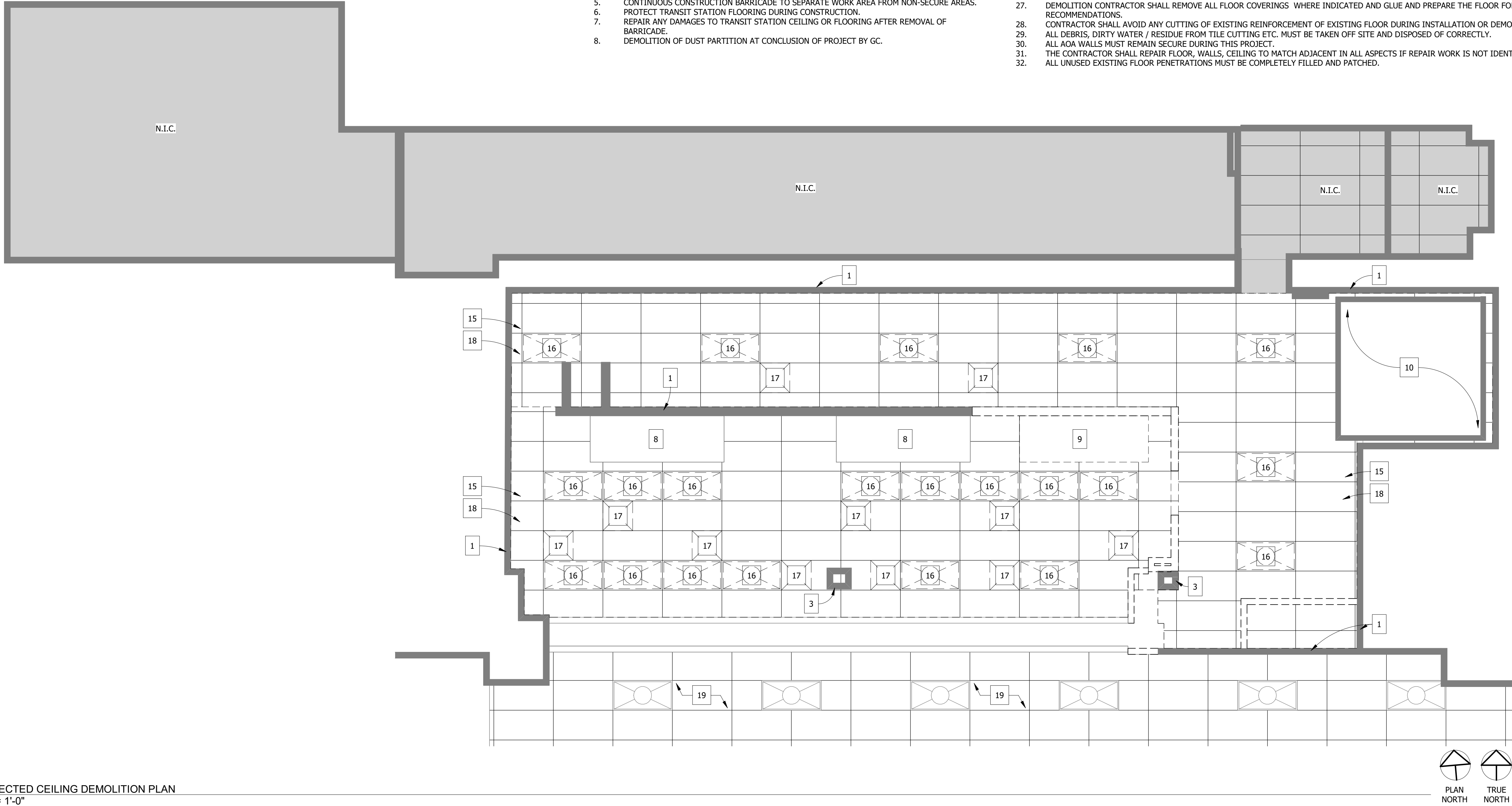
- EXISTING WALL TO REMAIN.
- EXISTING COUNTER DIE WALL TO REMAIN. GC TO CUT EXISTING STUDS DOWN FOR NEW COUNTER HEIGHT.
- REMOVE EXISTING WALL FROM FLOOR TO CEILING. VERIFY WALL IS NOT FIRE-RATED NOR LOAD-BEARING PRIOR TO REMOVAL.
- EXISTING FLOOR TILE TO REMAIN. GC TO DEEP CLEAN AND RE-GROUT THE FLOOR. PATCH AND REPAIR DAMAGED TILES AS NECESSARY, AND PATCH WHERE ANY EXISTING WALLS ARE REMOVED.
- EXISTING BASE BUILDING FLOORING TO REMAIN, PROTECT FROM DAMAGE. GC RESPONSIBLE FOR ANY DAMAGE REPAIRS AT OWN EXPENSE.
- TEMPORARY CONSTRUCTION BARRICADE. COORDINATE FINAL LOCATION WITH LANDLORD AND FOLLOW ANY STANDARDS.
- TEMPORARY CONSTRUCTION BARRICADE DOUBLE DOOR. PROVIDE DOOR HARDWARE, DOOR CLOSE, AND LOCK SET PER LANDLORD REQUIREMENTS.
- EXISTING HOOD TO REMAIN, NEW EXHAUST FAN. RE: MECHANICAL.
- REMOVE EXISTING HOOD AND EXHAUST FAN. CAP ROOF CURB/PENETRATION, RE: MECHANICAL.
- EXISTING WALK-IN COOLER TO REMAIN.
- EXISTING EQUIPMENT TO REMAIN.
- REMOVE EXISTING EQUIPMENT. CAP PLUMBING LINES AT WET FIXTURES.
- REMOVE DOOR TO REMAIN.
- REMOVE EXISTING COUNTERTOP.
- REMOVE EXISTING CEILING TILES AND REPLACE WITH NEW. EXISTING HANGERS AND GRID TO REMAIN.
- REMOVE EXISTING LIGHT FIXTURES.REMOVE EXISTING LIGHT FIXTURE. FOR FLUORESCENT BULBS, GC SHALL PACKAGE IN A BOX AND SEND TO A SAFE DEMO FACILITY
- REMOVE EXISTING HVAC DIFFUSERS AND REPACE WITH NEW, RE: MECHANICAL.
- EXISTING SPEAKERS TO REMAIN. INSTALL ON NEW CEILING.
- EXISTING BASE BUILDING CEILINGS AND LIGHTS TO REMAIN, NOT IN SCOPE.

GENERAL BARRICADE NOTES

- BARRICADE CONSTRUCTION TO BE CONFIRMED WITH NAVFAC FOR APPROVAL.
- GC TO PROVIDE AND VERIFY TEMPORARY GRAPHIC SIZE AND DOOR LOCATION IN FIELD.
- GC TO PROVIDE AND INSTALL BARRICADE GRAPHIC. SUBMITT SHOP DRAWING TO ARCHITECT FOR APPROVAL.
- TAPE, FLOAT, AND PAINT CONCOURSE SIDE OF BARRICADE & INSTALL PER TRANSIT STATION STANDARDS OR DIRECTION.
- CONTINUOUS CONSTRUCTION BARRICADE TO SEPARATE WORK AREA FROM NON-SECURE AREAS.
- PROTECT TRANSIT STATION FLOORING DURING CONSTRUCTION.
- REPAIR ANY DAMAGES TO TRANSIT STATION CEILING OR FLOORING AFTER REMOVAL OF BARRICADE.
- DEMOLITION OF DUST PARTITION AT CONCLUSION OF PROJECT BY GC.

GENERAL DEMOLITION NOTES

- DEMOLITION PLAN IS INDICATED FOR REFERENCE ONLY. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD AND COORDINATE ALL REQUIRED DEMOLITION, AS REQUIRED, PER CONSTRUCTION DRAWINGS.
- REFER TO CONSTRUCTION PLANS FOR EXTENT OF NEW CONSTRUCTION.
- COORDINATE DEMOLITION WORK WITH MEP DRAWINGS.
- CARE SHOULD BE TAKEN TO PROTECT, MAINTAIN, AND NOT INTERRUPT EXISTING SERVICES AND UTILITIES SERVING THE BLDG.
- GENERAL CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN PLANS AND EXISTING CONDITIONS.
- ASBESTOS/ HAZARDOUS WASTE - CONTACT AND REMOVAL: THE OWNER SHALL BE IMMEDIATELY NOTIFIED IF DEMOLITION AND/OR CONSTRUCTION UNDER THIS CONTRACT INVOLVES CONTACT WITH ASBESTOS OR OTHER HAZARDOUS MATERIAL. IF FOUND OR SUSPECTED WITHIN THE AREAS OF DEMOLITION AND/OR CONSTRUCTION, NOTIFY OWNER IMMEDIATELY.
- CONFORM TO UFC AND LOCAL BUILDING CODE FOR DEMOLITION, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, SERVICE UTILITIES AND DISCOVERED HAZARDS.
- PERMITS: GENERAL CONTRACTOR SHALL MAKE ALL ARRANGEMENTS, PAY FOR AND OBTAIN ALL DEMOLITION PERMITS, INCLUDING PERMITS REQUIRED TO DISCONNECT AND CAP ALL UTILITIES, AS REQUIRED, INCLUDING BUT NOT LIMITED TO DOMESTIC AND FIRE PROTECTION, WATER, GAS, ELECTRICAL AND PHONE SERVICES, STORM AND SANITARY SEWERS. PRIOR TO CONTRACT, GENERAL CONTRACTOR SHALL INSPECT ALL AREAS AFFECTED BY DEMOLITION AND EXISTING CONSTRUCTION TO REMAIN, AS WELL AS ADJACENT AREAS AFFECTED BY DEMOLITION.
- PROTECT EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED OR WHICH ARE TO BE REMOVED AND SALVAGED FOR REUSE.
- GENERAL CONTRACTOR SHALL REPAIR OR RESTORE TO EXISTING CONDITION ADJACENT CONSTRUCTION AND PUBLIC OR PRIVATE PROPERTY DAMAGED BY WORK.
- MAINTAIN PROTECTED EGRESS AND ACCESS AT ALL TIMES. DO NOT CLOSE OR OBSTRUCT ROADWAYS OR SIDEWALKS WITHOUT PERMITS. DO NOT CLOSE OR OBSTRUCT REQUIRED EXISTING EGRESS AT ANY TIME.
- CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY AUTHORITY HAVING JURISDICTION AND ARCHITECT/ ENGINEER.
- DISCONNECT, CAP AND IDENTIFY DESIGNATED UTILITIES, PER DRAWINGS AND AS REQUIRED.
- DEMOLISH COMPONENTS INDICATED, IN AN ORDERLY AND CAREFUL MANNER.
- COORDINATE SEQUENCE OF ALL DEMOLITION AND NEW CONSTRUCTION WITH OWNER.
- REMOVE DEMOLISHED MATERIALS FROM SITE AS WORK PROGRESSES.
- UPON COMPLETION OF DEMOLITION, THE PREMISES SHALL BE LEFT CLEAN AND CLEAR OF DEBRIS.
- VERIFY WITH OWNER ANY ITEMS TO BE SALVAGED FOR REUSE.
- ANY PENETRATIONS TO EXISTING ROOFING SHALL MEET ALL REQUIREMENTS TO MAINTAIN OWNER WARRANTY. VERIFY REQUIREMENTS WITH OWNER.
- PROVIDE TEMPORARY SHORING AND BRACING MEMBERS WITH CONNECTIONS OF SUFFICIENT STRENGTH TO BEAR IMPOSING LOADS. REMOVE TEMPORARY CONNECTIONS AND MEMBERS WHEN PERMANENT MEMBERS ARE IN PLACE AND FINAL CONNECTIONS ARE MADE. LEVEL AND PLUMB INDIVIDUAL MEMBERS OF THE STRUCTURE WITHIN ACCEPTABLE TOLERANCES. G.C. SHALL ASSUME RESPONSIBILITY FOR PROVIDING ADEQUATE BRACING OF ALL WALLS DURING DEMOLITION AND CONSTRUCTION.
- ALL WORK MUST COMPLY WITH O.S.H.A. SAFETY GUIDELINES.
- WHEN EXISTING MECHANICAL, PLUMBING AND/OR ELECTRICAL FIXTURES AND/OR EQUIPMENT ARE REMOVED FROM THE BUILDING, THEY ARE TO BE DISCONNECTED AT THE SOURCE. (UNLESS OTHERWISE NOTED)
- THE DOCUMENTS ASSUME ALL MECHANICAL, PLUMBING & ELECTRICAL DEVICES TO REMAIN ARE IN SATISFACTORY CONDITION AND ARE TO BE REUSED. ITEMS SCHEDULED FOR REUSE ARE TO BE INSPECTED BY A MECHANICAL/ ELECTRICAL CONTRACTOR AND THE OWNER SHALL BE ADVISED OF CONDITION FOR REUSE.
- ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL, TELEPHONE OUTLETS AND ALL ASSOCIATED WIRES IN THE WALLS TO BE REMOVED AND TERMINATED AT THE LAST OUTLET THAT REMAINS IN SERVICE. COORDINATE WITH ELECTRICAL PLANS.
- ALL EMPTY CONDUIT AND JUNCTION BOXES TO BE REMOVED.
- DEMOLITION CONTRACTOR SHALL REMOVE ALL FLOOR COVERINGS WHERE INDICATED AND GLUE AND PREPARE THE FLOOR FOR NEW FLOOR COVERINGS PER MFG WRITTEN RECOMMENDATIONS.
- CONTRACTOR SHALL AVOID ANY CUTTING OF EXISTING REINFORCEMENT OF EXISTING FLOOR DURING INSTALLATION OR DEMOLITION OF ANY CONDUIT OR PIPE, ETC.
- ALL DEBRIS, DIRTY WATER / RESIDUE FROM TILE CUTTING ETC. MUST BE TAKEN OFF SITE AND DISPOSED OF CORRECTLY.
- ALL AOA WALLS MUST REMAIN SECURE DURING THIS PROJECT.
- THE CONTRACTOR SHALL REPAIR FLOOR, WALLS, CEILING TO MATCH ADJACENT IN ALL ASPECTS IF REPAIR WORK IS NOT IDENTIFIED IN PERMIT DRAWINGS.
- ALL UNUSED EXISTING FLOOR PENETRATIONS MUST BE COMPLETELY FILLED AND PATCHED.



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

BARRICADE NOTE:

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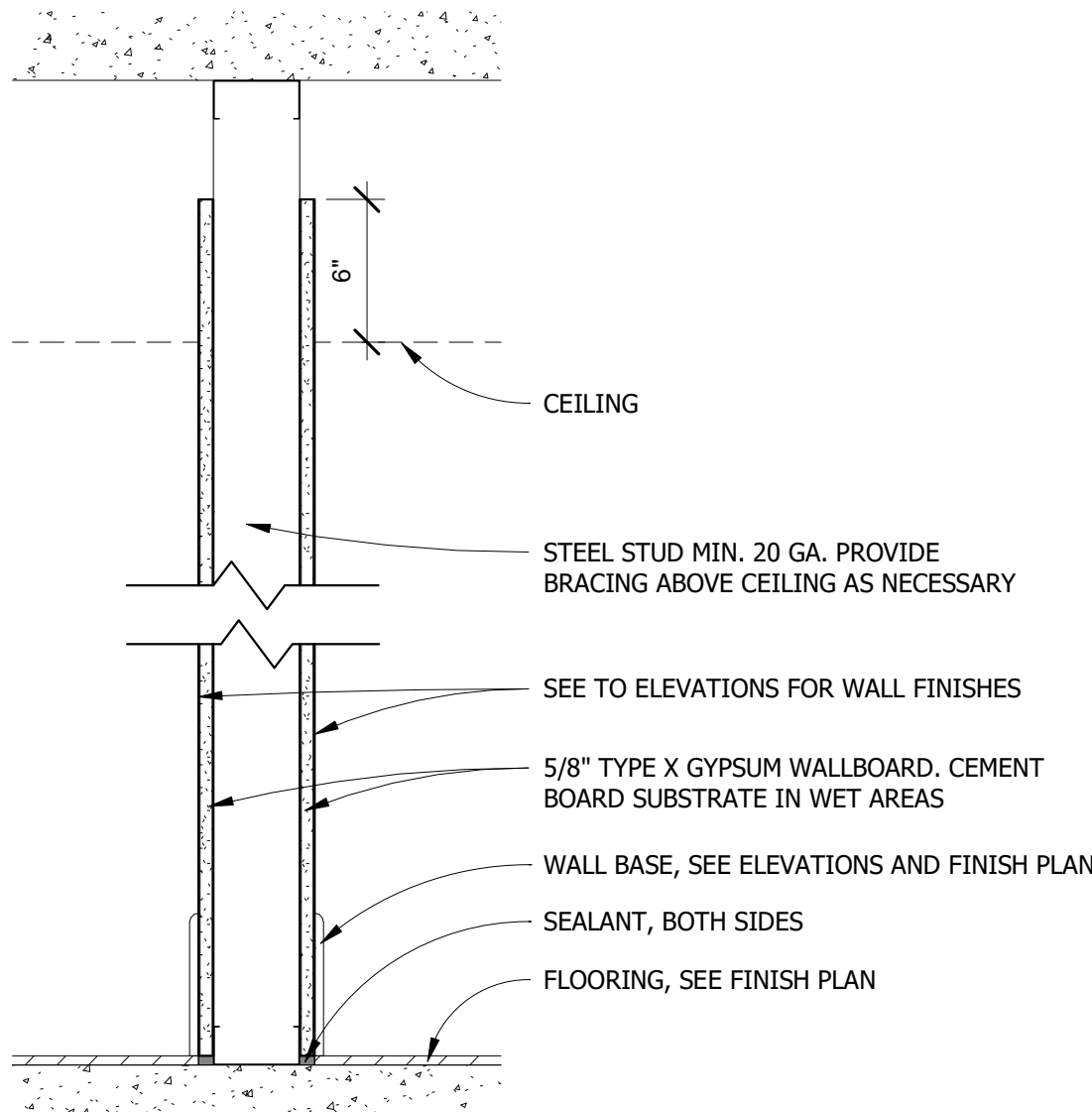
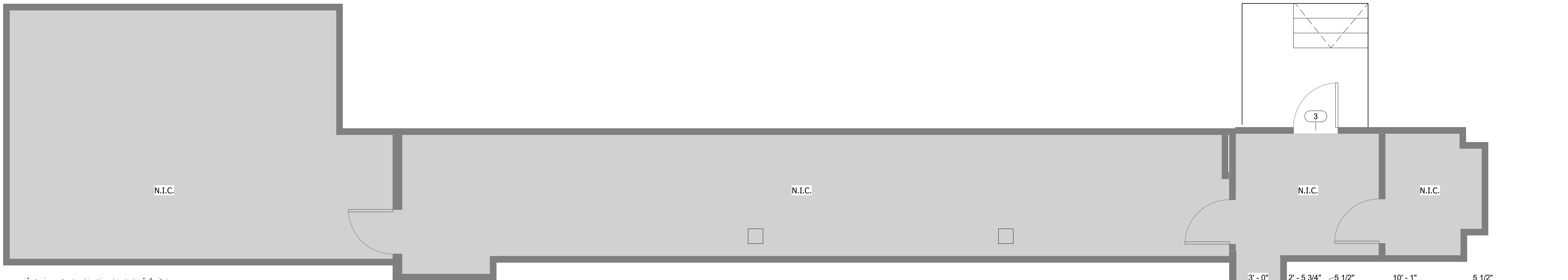
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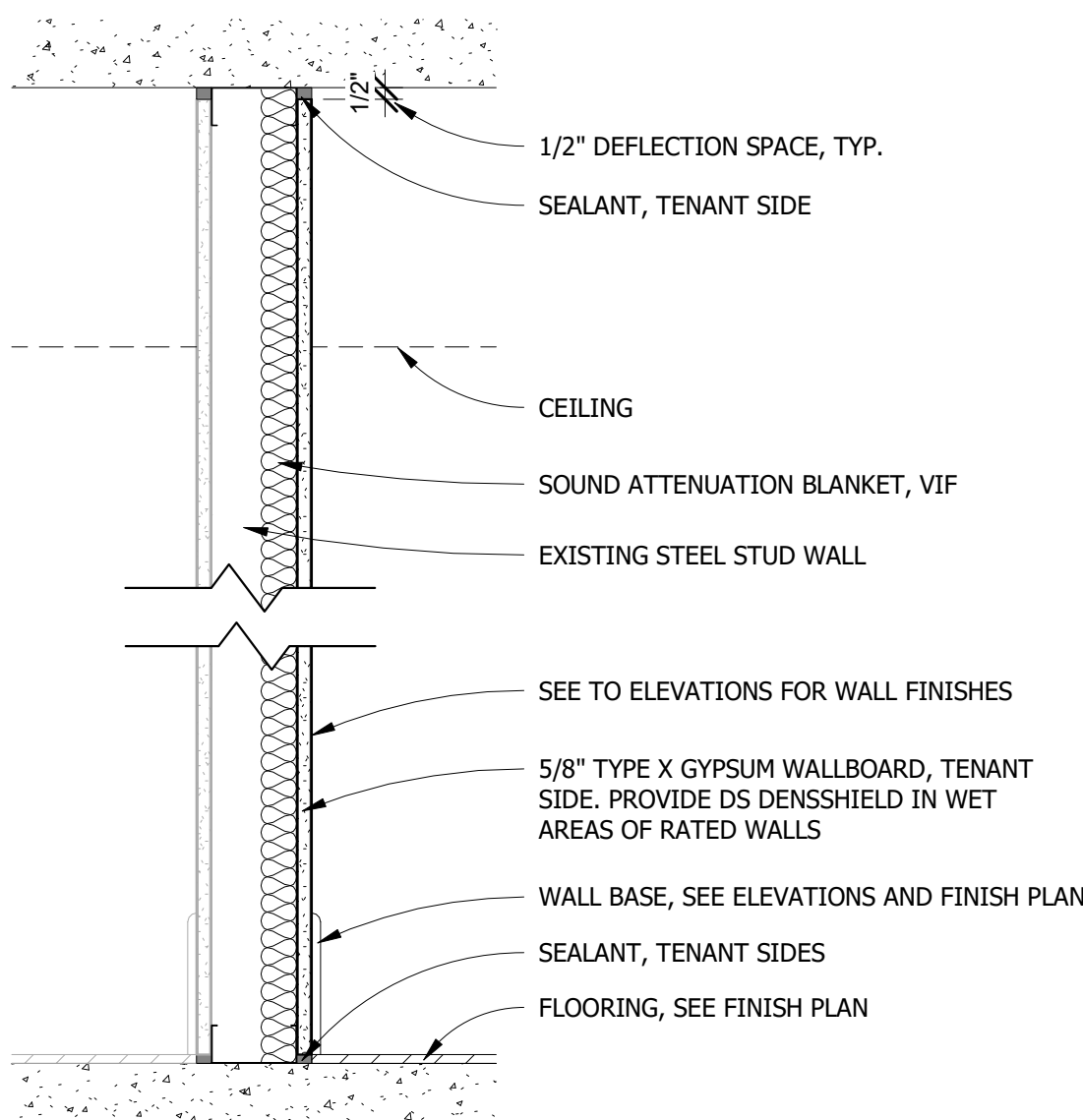
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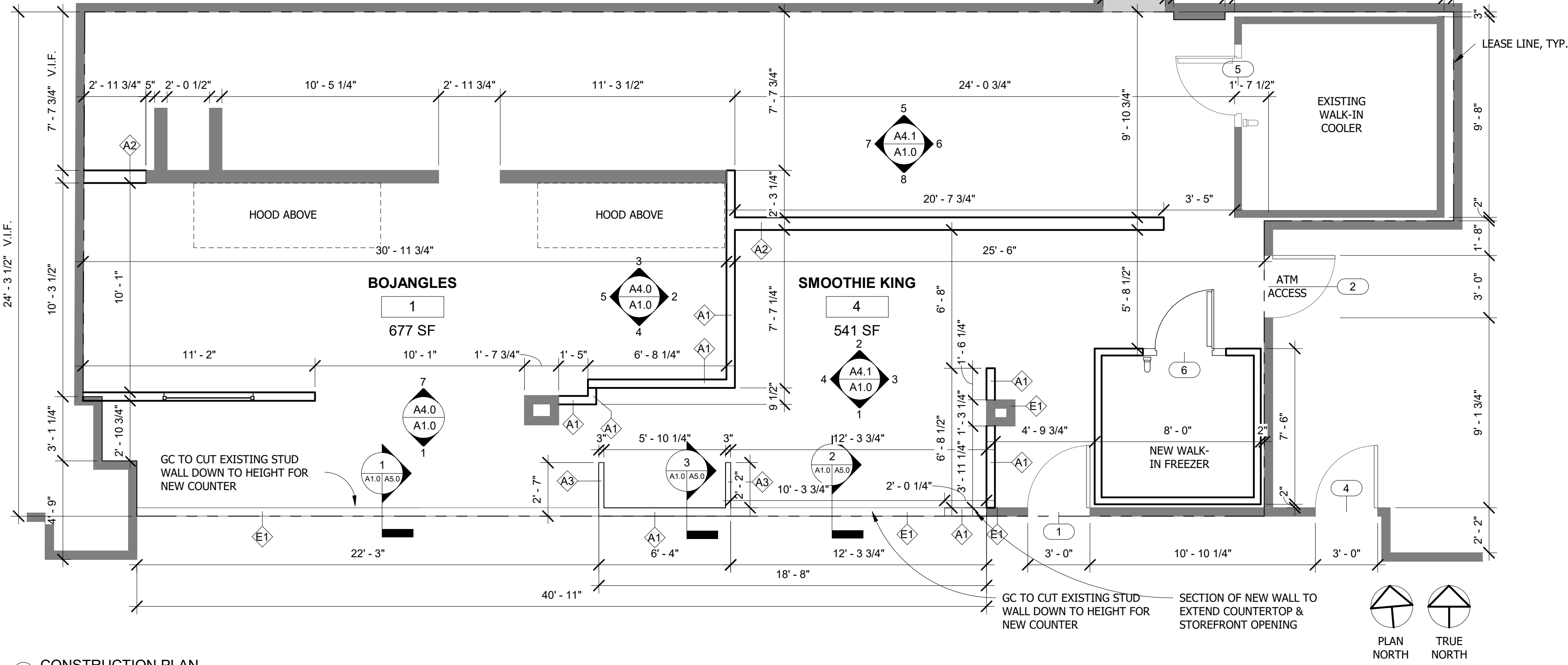
WALL TYPE	WALL THICKNESS	STUD SIZE	INSULATION THICKNESS	STUD SPACING	FIRE RATING/UL DESIGN	STC RATING
A1	4 7/8"	3 5/8"	-	16" O.C.	-	-
A2	7 1/4"	6"	-	16" O.C.	-	-
A3	2 7/8"	1 5/8"	-	16" O.C.	-	-

2 PARTITION TYPE A
1 1/2" = 1'-0"



WALL TYPE	WALL THICKNESS	STUD SIZE	INSULATION THICKNESS	STUD SPACING	FIRE RATING/UL DESIGN	STC RATING
E1	4 7/8"	3 5/8"	VIF	16" O.C.	VIF	VIF
E2	7 1/4"	6"	VIF	16" O.C.	VIF	VIF

3 PARTITION TYPE E
1 1/2" = 1'-0"



1 CONSTRUCTION PLAN
1/4" = 1'-0"

DOOR SCHEDULE												
Door Number	Location	Description	Manufacturer	Model	Width	Height	Door Thickness	Finish	Frame Finish	Hardware	Furnished	Installed
1	STOREFRONT	EXISTING SINGLE SWING	EXISTING	EXISTING	3' - 0"	6' - 8"	2"	EXISTING	EXISTING	EXISTING	GC	GC
2	BOH	EXISTING SINGLE SWING	EXISTING	EXISTING	3' - 0"	6' - 8"	2"	EXISTING	EXISTING	EXISTING	GC	GC
3	BOH	EXISTING SINGLE SWING	EXISTING	EXISTING	3' - 0"	6' - 8"	2"	EXISTING	EXISTING	EXISTING	GC	GC
4	STOREFRONT	EXISTING SINGLE SWING	EXISTING	EXISTING	3' - 0"	6' - 8"	2"	EXISTING	EXISTING	EXISTING	GC	GC
5	COOLER	EXISTING COOLER DOOR	EXISTING	EXISTING	2' - 10"	6' - 5"	4"	N/A	N/A	EXISTING	GC	GC
6	FREEZER	NEW FREEZER DOOR	BY MFR	BY MFR	2' - 10"	6' - 5"	4"	N/A	N/A	BY MFR	OWNER	OWNER

DOOR NOTE:
GC TO ENSURE ALL EXISTING DOORS OPERATE PROPERLY. COORDINATE LOCK SETS WITH OWNER.

WINDOW SCHEDULE								
Mark	Description	Model	Width	Height	Sill Height	Comments	Furnished	Installed
3	BISCUIT THEATER WINDOW	FIXED, 1/2" TEMPERED GLASS, CLEAR	4' - 6"	3' - 6"	4' - 0"		GC	GC

BARRICADE NOTE:

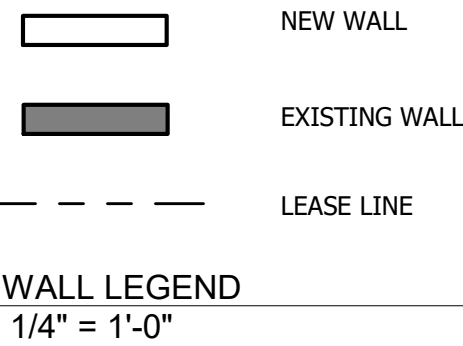
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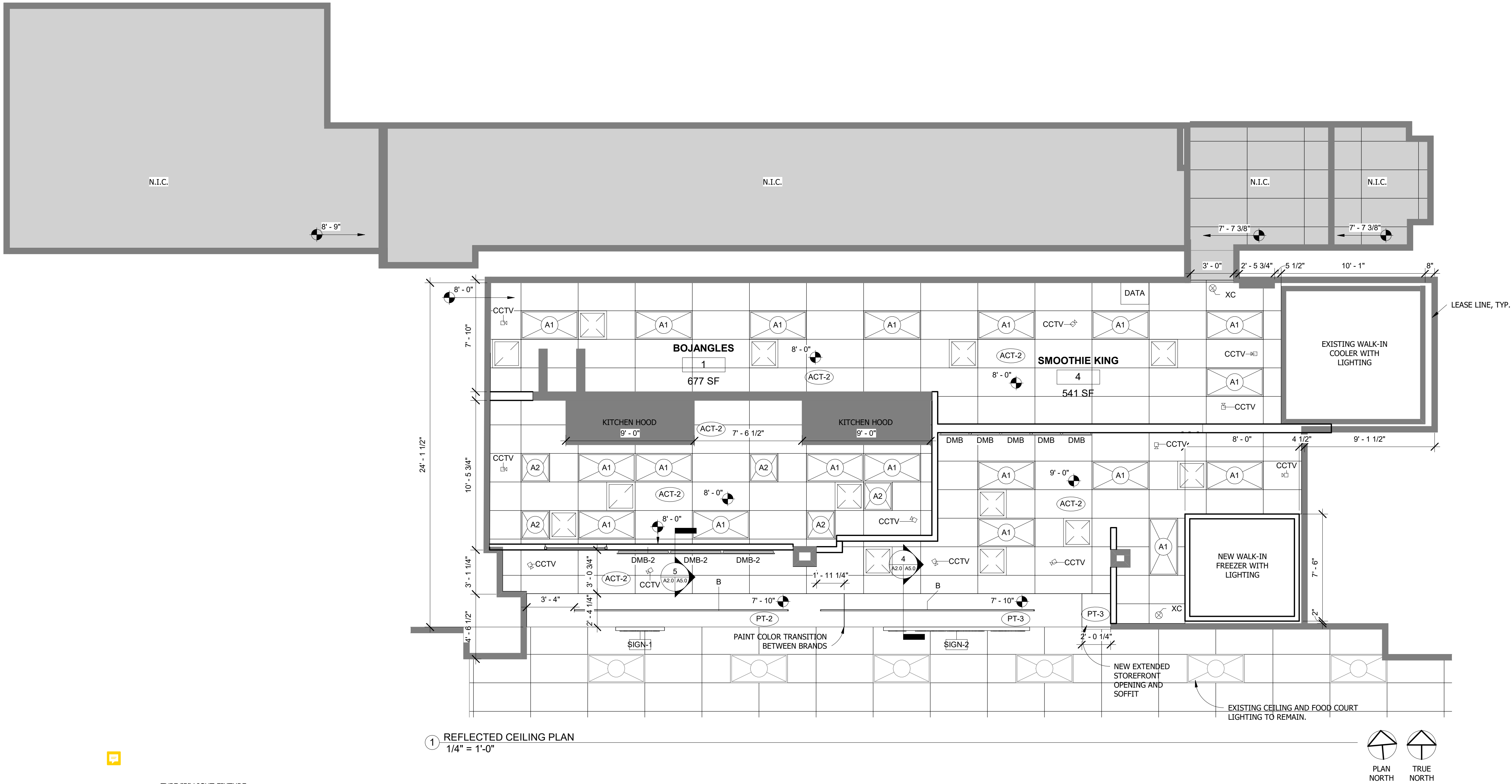
CONSTRUCTION PLAN

Project number	2025-048
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Drawn by	EY
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A1.0

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LIGHTING FIXTURE SCHEDULE										
Mark	Image	Description	Count	Manufacturer	Model	Lamp	Wattage	Comments	Vendor	Installed
A1		TROFFER PANEL - 2X4	19	TCP	2X4 TROFFER, 39W, 3000K, COLOR: WHITE, TCP-DTF4UZD3930K	LED	39 W		LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM	GC
A2		TROFFER PANEL - 2X2	5	TCP	2X2 TROFFER, 29W, 3000K, COLOR: WHITE, TCP-DTF2UZD2930K	LED	29 W		LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM	GC
B		LINEAR LIGHT	2	PURE EDGE	CCDS-7W-1R-36"-30K-BK, 93", 3000K, DIMMABLE	LED	144 W		LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM	GC
XC		ILLUMINATED EXIT SIGN	2	TBD	TBD	LED	-	FINAL COUNT AND LOCATION TO BE DETERMINED BY LOCAL INSPECTOR	TBD	GC

TYPE "B" LIGHT FIXTURE

TYPE "A2" LIGHT FIXTURE

TYPE "A1" LIGHT FIXTURE

EXIT LIGHT

SUPPLY TERMINAL

RETURN TERMINAL

RCP LEGEND
1/4" = 1'-0"

NEW WALL

EXISTING WALL

LEASE LINE

WALL LEGEND
1/4" = 1'-0"

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REFLECTED CEILING
PLAN

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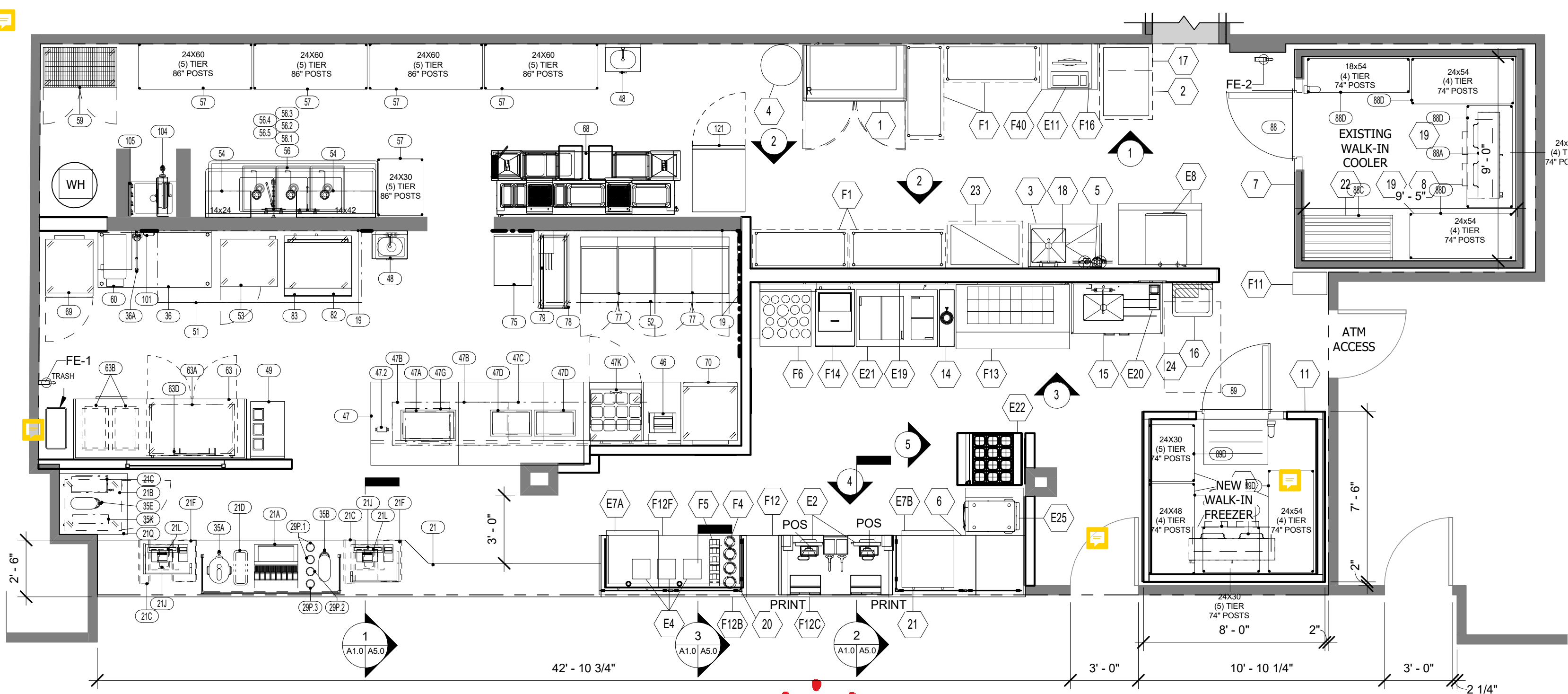
Scale	As indicated
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FOODSERVICE EQUIPMENT SCHEDULE				
ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL
10-18	1	SPARE NUMBER		
19	3	S/S WALL PANELING	FECO STAINLESS	CUSTOM
20	1	SPARE NUMBER		
21	1	FRONT COUNTER	EAGLE	CUSTOM
21A	1	DROP-IN ICE AND SODA DISPENSER	BY VENDOR	-
21B	1	REFRIGERATOR, UNDERCOUNTER	HOSHIZAKI	UR27B
21D	1	FUTURE - BEVERAGE DISPENSER, ELECTRIC (COLD)	(FUTURE) VOLLRATH	VB8D1-37-S
21J	2	POS SYSTEM	BY OTHERS	-
21L	2	CASH BOX	AMERICAN SECURITY	TB0610-2
21Q	1	FRONT COUNTER EXTENSION	EAGLE	CUSTOM
29K	1	COFFEE BREWER	BUNN (BY VENDOR)	-
29P	1	CUP AND LID DISPENSER OVERSHELF	EAGLE	YBOJ-CUPLDWAL-18-0001
29P.1	2	CUP DISPENSER	SAN JAMAR	C2410C
29P.2	1	LID DISPENSER	VOLLRATH	LS03PVB
29P.3	1	LID DISPENSER	VOLLRATH	LS03IBV
30-34	2	SPARE NUMBER		
35A	1	ICED TEA DISPENSER	BUNN	TDO-5 34100.0001
35B	1	ICED TEA DISPENSER	BUNN	TDO-N-3.5
35E	1	ICE COFFEE DISPENSER	WINCO	SSBD-3
35K	1	SYRUP DISPENSER HOLDER	BADGER WELDING	CUSTOM
36	1	WORK TABLE	EAGLE	CUSTOM
36A	1	POT FILLER	T&S BRASS	B-0592-CR
37-45	1	SPARE NUMBER		
46	1	CONTACT TOASTER	ANTUNES	VCTM-2-9210943
47	1	POWERLINE COUNTER	EAGLE	YBOJ-PWRCTR-XXXX
47.2	1	TIMER	KITCHEN BRAINS	TRAJ-14
47A	1	STATION, DROP IN	MARSHALL AIR	C23K-1ACBQJ
47B	3	HOLDING CABINET, THERMOGLO	MARSHALL AIR	DH50A-444BDSBJ
47C	1	CHICKEN HOLDING CABINET	MARSHALL AIR	DH50A-444BDSBJ
47D	2	HOLDING PAN	MARSHALL AIR	C23K-1ACWC
47G	1	HEAT LAMP	MARSHALL AIR	BM189520Y120
47K	1	SANDWICH REFRIGERATOR	TURBO AIR	TST-28SD-12-N
48	2	HAND SINK	EXISTING TO REMAIN	-

FOODSERVICE EQUIPMENT SCHEDULE				
ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL
49	1	DREDGE TABLE	EAGLE	CUSTOM
50B	1	SUPPLY FAN (ON ROOF)	EXISTING TO REMAIN	-
51	1	EXHAUST HOOD (GRILL)	EXISTING TO REMAIN	-
51B	1	EXHAUST FAN (ON ROOF)	EXISTING TO REMAIN	-
52	1	EXHAUST HOOD (FRY)	EXISTING TO REMAIN	-
52A	1	EXHAUST FAN (ON ROOF)	EXISTING TO REMAIN	-
53	1	DOUBLE CONVECTION OVEN, GAS	BLODGETT	DFG-50-DOUBLE
53B	2	QUICK DISCONNECT (NOT SHOWN)	DORMONT	1650 KITS48
54	6	WIRE WALL SHELVING	METRO	SEE FLOOR PLAN
55	1	SPARE NUMBER		
56	1	3-COMPARTMENT SINK	EXISTING TO REMAIN	-
56.1	1	WALL / SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR
56.2	1	PRE-RINSE FAUCET ASSEMBLY	T&S BRASS	B-0133-CRBSKIT-MODIFIED
56.3	1	WALL BRACKET	T&S BRASS	B-0109-3
56.4	1	ADD ON FAUCET, FOR PRE RINSE FAUCET	T&S BRASS	B-0156-CR
56.5	3	LEVER WASTE	T&S BRASS	B-3940
57	5	DRY STORAGE SHELVING	METRO	SEE FLOOR PLAN
58	1	SPARE NUMBER		
59	1	SECURITY CAGE	METRO	INM-SECURITYCAGE
60	1	HOT WATER DISPENSER W/ BUILT IN FILTER AND SHELF	HATCO	AWD-12BOJSHLF
61-62	1	SPARE NUMBER		
63	1	BAKERS TABLE	EAGLE	CUSTOM
63A	1	BAKER'S TABLE TOP	MARPLETEX	CUSTOM
63B	2	BUN PAN RACK	SPG	APR1013
63D	1	ROLLING PIN HOLDER	EAGLE	CUSTOM
64	1	SPARE NUMBER		
65	1	UNDERCOUNTER REFRIGERATOR	HOSHIZAKI	UR48B
66-67	1	SPARE NUMBER		
68	1	BREADER / BLENDER / SIFTER	AYRKING	BBSU3515 / IB9315B241T
69	1	REFRIGERATOR/FREEZER DUAL TEMP	TURBO AIR	M3RF19-2-N
70	1	FREEZER, REACH IN	TURBO AIR	M3F24-1-N
71-74	1	SPARE NUMBER	EAGLE	CUSTOM
75	1	FRYER BASKET RACK, MOBILE	CHANNEL	FBR-18

FOODSERVICE EQUIPMENT SCHEDULE				
ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL
76B	1	QUICK DISCONNECT HOSE (NOT SHOWN)	DORMONT	16125KITS48
77	2	FRYER, GAS	PITCO	SSH75-2FD
77A	1	QUICK DISCONNECT HOSE (NOT SHOWN)	DORMONT	16125KITS48
78	1	BUN CART	EAGLE	CUSTOM
79	1	BRACKET/LID HOLDER	EAGLE	CUSTOM
80-81	1	SPARE NUMBER	EAGLE	CUSTOM
82	1	GRIDDLE, GAS, COUNTERTOP	WELLS	WG-3036G
82A	1	QUICK DISCONNECT HOSE (NOT SHOWN)	DORMONT	16175KITS48
83	1	CHEF BASE	TURBO AIR	TCBE-36SDR-N6
84-87	1	SPARE NUMBER		
88	1	WALK-IN COOLER	EXISTING TO REMAIN	-
88A	1	COOLER EVAPORATOR COIL	EXISTING TO REMAIN	-
88B	1	COOLER CONDENSER (ON ROOF)	EXISTING TO REMAIN	-
89	1	WALK-IN FREEZER	EXISTING TO REMAIN	-
89A	1	FREEZER EVAPORATOR COIL	EXISTING TO REMAIN	-
89B	1	FREEZER CONDENSER (ON ROOF)	EXISTING TO REMAIN	-
90-97	1	SPARE NUMBER		
98	1	SODA SYSTEM	BY VENDOR	-
99	1	SPARE NUMBER		
100	1	SPARE NUMBER		
101	1	TIMER	FAST	Z020120KRHF
102-103	1	SPARE NUMBER		
104	1	HOSE REEL	T&S BRASS	SHR-242-01-GH
105	1	MOP HOLDER	EAGLE	CUSTOM
106-120	1	SPARE NUMBER		
121	1	REFRIGERATOR, THAWING	ELECTROLUX	725448

SMOOTHIE KING EQUIPMENT SCHEDULE	
Item No	Equipment Category
E2	POS (BY OWNER)
E3	ORDER PICK-UP COUNTERTOP REFRIGERATOR
E4	BLENDER
ETA	W/C FREEZER
ETB	W/C REFRIGERATOR
E8	ICE MACHINE & ICE BIN
E11	COMPUTER (BY OWNER)
E19	MENU BOARD (BY OWNER)
E20	AUTOMATIC WATER DISPENSER
E21	ICE CREAM CABINET
E22	REFRIGERATED PREP TABLE
E23	RAPID COOK OVEN
F1	STORAGE SHELVING
F4	CUP HOLDER
F5	LID HOLDER
F6	CUP COUNTER
F11	LOCKERS
F12	COUNTER (BY OTHERS)
F12B	KNEE WALL W/ LANDING SHELF (BY OTHERS)
F12C	POS COUNTER (BY OTHERS)
F12F	BLENDER TABLE (BY OTHERS)
F13	POWDER TABLE (BY OTHERS)
F14	ICE BIN
F16	SAFE (BY OTHERS)
F40	DESK (BY OTHERS)
1	REACH-IN REFRIGERATOR
2	S/S WORK TABLE
3	(1) COMPARTMENT SINK
4	TRASH RECEPCTAGLE (BY OWNER)
5	WATER FILTER
6	COUNTER (BY OTHERS)
7	WALK-IN COOLER (EXISTING / REMAIN)
8	COOLER EVAPORATOR COIL
9	COOLER CONDENSING UNIT
10	SPARE NUMBER
11	WALK-IN FREEZER
12	FREEZER EVAPORATOR COIL
13	FREEZER CONDENSING UNIT
14	DIFFER WELL TABLE
15	BLENDER SINK
16	HAND SINK
17	WALL SHELVING
18	WALL SHELVING
19	STORAGE SHELVING
20	SNEEZE GUARD
21	SNEEZE GUARD
22	DUNNAGE RACK
23	STORAGE SHELVING
24	SOAP & TOWEL DISPENSER (BY OWNER)



Bojangles

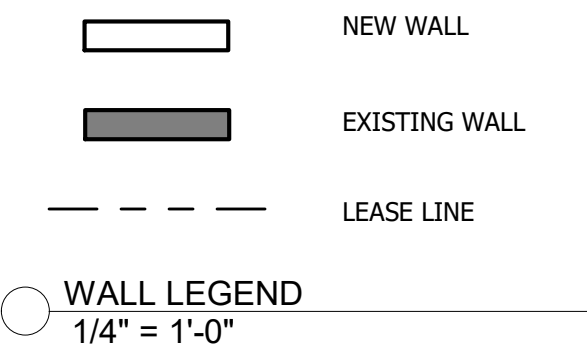
SMOOTHIE KING

1 FFE PLAN
1/4" = 1'-0"

MILLWORK SCHEDULE						
Mark	Description	Count	Manufacturer	Model	Comments	Furnished Installed
MW-1	BOJANGLES COUNTERTOP	1	CUSTOM	FINISH: SS-1 COSMOS T002		GC GC
MW-2	SK FRONT WALL CAP	1	CUSTOM	FINISH: SS-2 PURE WHITE 1141		GC GC
MW-3	SK COUNTERTOP	1	CUSTOM	FINISH: SS-2 PURE WHITE 1141		GC GC

MISCELLANEOUS EQUIPMENT SCHEDULE						
Mark	Description	Count	Manufacturer	Model	Comments	Furnished Installed
CCTV	SECURITY CAMERA	12	TBD	TBD		OWNER OWNER
DATA	DATA CABINET	1	TBD	12U DATA RACK (VERIFY WITH OWNER)	WALL MOUNTED ABOVE MANAGER DESK	OWNER GC
DMB	DIGITAL MENU BOARD - VERTICAL	5	SAMSUNG	50" CLASS NU6900 SERIES / UN50NU6900. WITH TILTING WALL MOUNT BRACKET	SMOOTHIE KING MENU BOARDS, REFER TO RCP AND ELEVATIONS	OWNER GC
DMB-2	DIGITAL MENU BOARD - HORIZONTAL	3	SAMSUNG	50" CLASS NU6900 SERIES / UN50NU6900. WITH TILTING WALL MOUNT BRACKET	BOJANGLES MENU BOARDS, REFER TO RCP AND ELEVATIONS	OWNER GC
FE-1	FIRE EXTINGUISHER	1	TBD	TYPE K	VERIFY LOCATION W/ INSPECTOR.	GC GC
FE-2	FIRE EXTINGUISHER	1	TBD	TYPE ABC	VERIFY LOCATION W/ INSPECTOR.	GC GC
POS	POINT OF SALE	4	TBD	TBD	2 FOR EACH BRAND.	OWNER OWNER
PRINT	PRINTER	4	TBD	TBD	2 FOR EACH BRAND.	OWNER OWNER

NOTE: GC TO RUN ALL LOW VOLTAGE FOR EQUIPMENT AND DEVICES.



BARRICADE NOTE:

- A SECURITY SWEEP MUST BE COMPLETED BY IAH PRIOR TO REMOVAL OF THE TEMPORARY CONSTRUCTION WALL.
- TENANT/TENANT CONTRACTOR IS ENCOURAGED TO USE A PREFABRICATED MODULAR WALL SYSTEM FOR CONTINUITY AND RELIABILITY AS WELL AS FOR SUSTAINABILITY CONCERNS. MODULAR WALLS SUCH AS SWIFTWAL, STARC SYSTEMS, OR SIMILAR

GENERAL NOTE:

- GC TO VERIFY ALL FIELD DIMENSIONS AND CONTACT PROJECT ARCHITECT WITH ANY SITE DISCREPANCIES.
- FIRE RATED WOOD IS REQUIRED FOR ALL BLOCKING.

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FABER
FOOD - BEVERAGE - RETAIL

550 MEADOWLANDS PARKWAY
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Agile Engineering, Inc.
MECHANICAL
ELECTRICAL
PLUMBING

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Bojangles
SMOOTHIE KING

NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

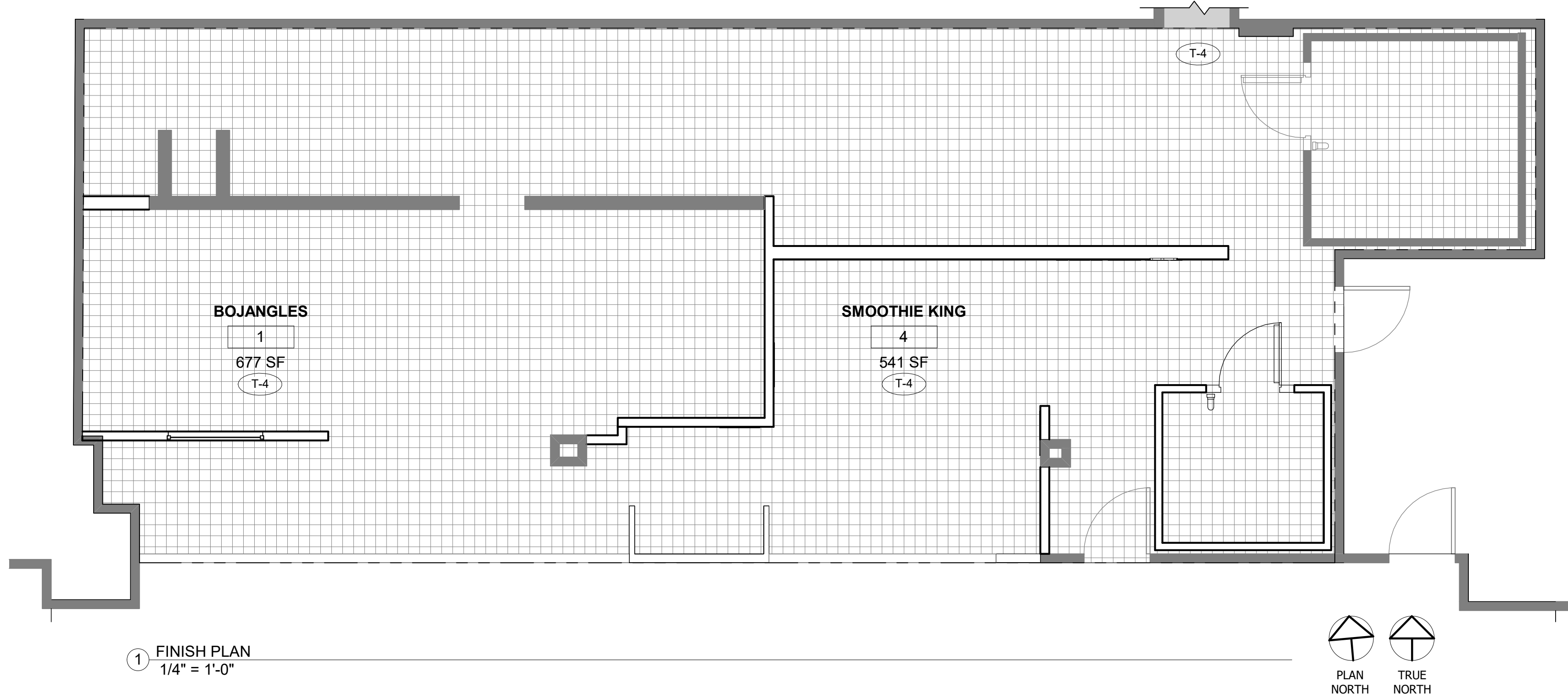
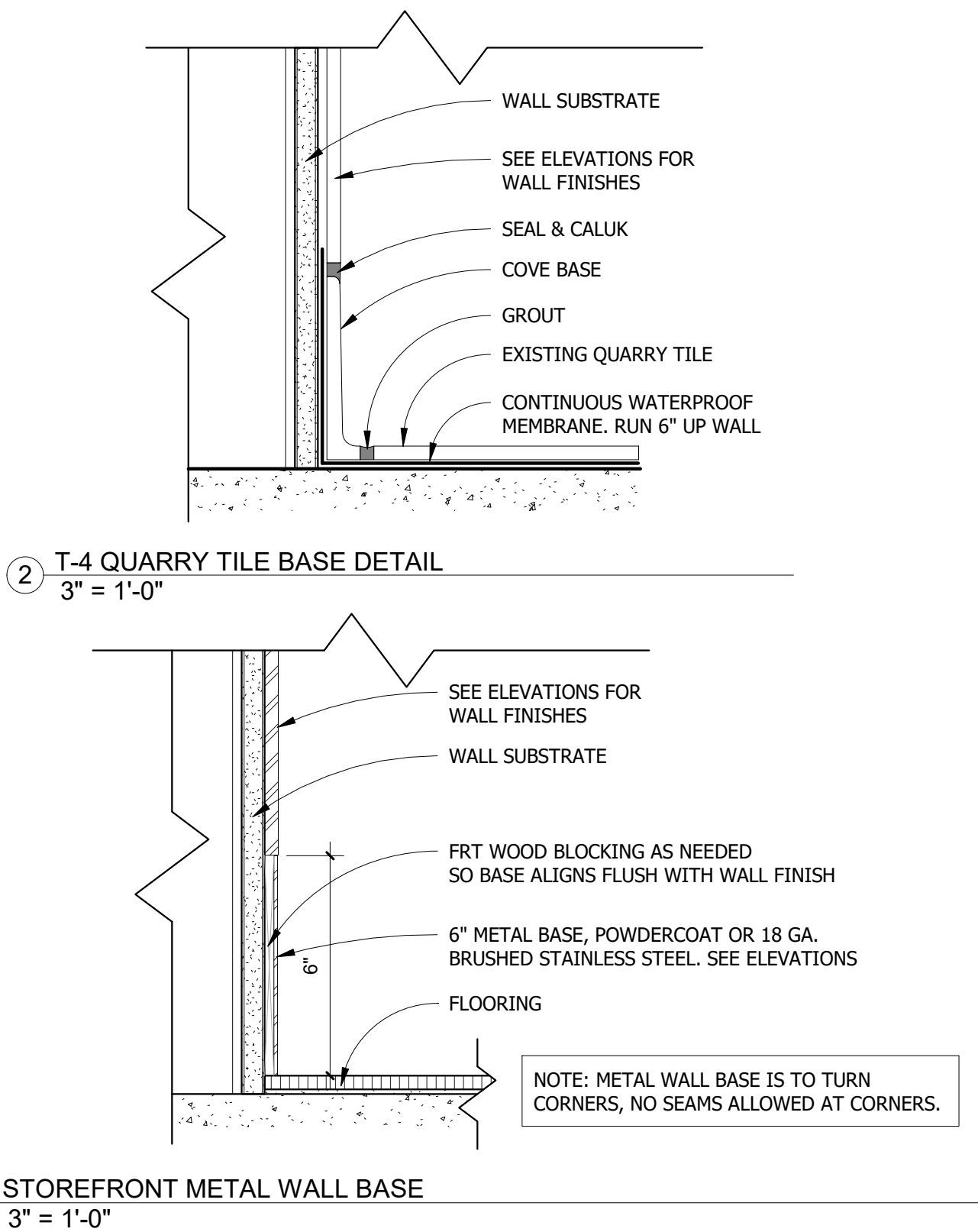
No.	Description	Date
65%	SUBMITTAL	12/5/2025
95%	SUBMITTAL	2/5/2026

FFE PLAN

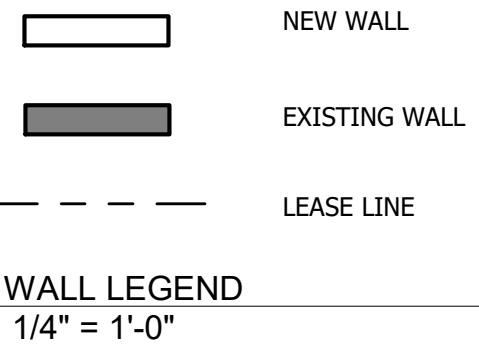
Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

A3.0

Scale	As indicated
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FINISH SCHEDULE										
Mark	Image	Brand	Description	Manufacturer	Model	Comments	Flame Spread	Vendor / Contact	Furnished	Installed
ACT-2		BOTH	4'X2' ACOUSTIC CEILING TILE - WHITE	ARMSTRONG	KITCHEN ZONE #672, 48"X24" WHITE	BOH CEILING	CLASS C	ARMSTRONG / MADELINE UNDERWOOD / (312) 405-9871 / MPUNDERWOOD@ARMSTRONGCEILINGS.COM	GC	GC
FRP		BOTH	FIBERGLASS REINFORCEMENT PANEL	MARLITE	PEBBLED SURFACE, P 199 BRIGHT WHITE CLASS A	NEW BOH WALLS	CLASS C		GC	GC
GL-1		SMOOTHIE KING	GLASS	CUSTOM	1/2" CLEAR TEMPERED GLASS	SK SNEEZE GUARD, BOJ. WINDOW	N/A		GC	GC
MT-1		BOTH	STAINLESS STEEL	CUSTOM BY GC	20 GAUGE	CUSTOMER FACING WALL BASE	N/A	CUSTOM BY GC	GC	GC
PL-1		BOJANGLES	LAMINATE	FORMICA	NATURAL MAPLE (756-58)	ALL MILLWORK, DINING TABLE TOPS, TRASH CONDIMENT, TO-GO TOWER, SERVERY COUNTER, RESTROOM DOORS	CLASS C		GC	GC
PT-1		BOTH	LATEX PAINT - CHANTILLY LACE	BENJAMIN MOORE	CHANTILLY LACE OC-65	BACKSIDE OF STOREFRONT SOFFIT	N/A		GC	GC
PT-2		BOJANGLES	LATEX PAINT - OVERJOY (SW6689)	SHERWIN WILLIAMS	OVERJOY (SW6689)	BOJANGLES STOREFRONT SOFFIT	N/A		GC	GC
PT-3		SMOOTHIE KING	LATEX PAINT - RED BAY (SW6321)	SHERWIN WILLIAMS	RED BAY (SW6321)	SMOOTHIE KING STOREFRONT SOFFIT. USE ONE COAT OF MULTI PURPOSE LATEX PRIMER WHITE BEFORE PAINTING; USE MINIMUM THREE COATS OF PAINT.	N/A		GC	GC
SS-1		BOJANGLES	SOLID SURFACE	LX HAUSYS	COSMOS T002	MILLWORK AND FRONT COUNTERS, STOREFRONT SILLS	CLASS C	JORDAN BOCKETTI / (518) 935 8985 / JBROCKETTI@CREATIVEMATERIALSCORP.COM	GC	GC
SS-2		SMOOTHIE KING	SOLID SURFACE	CAESARSTONE	PURE WHITE 1141	FRONT COUNTERTOP	CLASS C	JANELLE YACKO JANELLE.YACKO@CAESARSTONEUS.COM	GC	GC
T-1		BOJANGLES	WALL TILE - KUNI WHITE 8X48	CROSSVILLE STUDIO	KUNI WHITE 8X48	CUSTOMER FACING KITCHEN WALL	N/A		GC	GC
T-3		SMOOTHIE KING	WALL TILE - OMNI WHITE ICE BRIGHT 4X10 (GLOSSY)	CREATIVE MATERIALS CORPORATION	OMNI WHITE ICE BRIGHT 4X10 (GLOSSY)	CUSTOMER FACING KITCHEN AREA. GROUT: LATICRETE PERMACOLOR SELECT GROUT: COLOR #24 NATURAL GREY 1/8" GROUT JOINTS.	N/A		GC	GC
T-4		BOTH	QUARRY TILE AND COVE BASE	DALTILE	QUARRY TEXTURES, ASHEN GRAY 6"X6"	EXISTING BOH FLOOR TILE AND WALL BASE, GC TO MATCH EXISTING FOR NEW WALL BASES AND PATCHING/REPAIRS OF DAMAGED TILE, AND WHERE EXISTING WALLS ARE REMOVED	N/A		GC	GC
T-5		BOTH	EXISTING WHITE 4"X4" TILE TO REMAIN	TBD	WHITE 4"X4" TILE	EXISTING BOH WALL TILE, GC TO MATCH EXISTING.	N/A			
WD-1		SMOOTHIE KING	WOOD PLANK - WHITE SHIPLAP	GENERAL CONTRACTOR		FRONT COUNTER WALL PLANKS	CLASS C		GC	GC



WATERPROOF MEMBRANE NOTE:
GC TO PROVIDE CONTINUOUS WATERPROOF MEMBRANE IN WET AREAS (SHADED IN PLAN) AND WRAP 6" UP WALLS.

GENERAL NOTE:
1. GC TO VERIFY ALL FIELD DIMENSIONS AND CONTACT PROJECT ARCHITECT WITH ANY SITE DISCREPANCIES.
2. FIRE RATED WOOD IS REQUIRED FOR ALL BLOCKING.
3. RESTROOMS ARE PROVIDED BY BASE BUILDING.

IMPORTANT BID NOTE:
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Bojangles
SMOOTHIE KING
NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

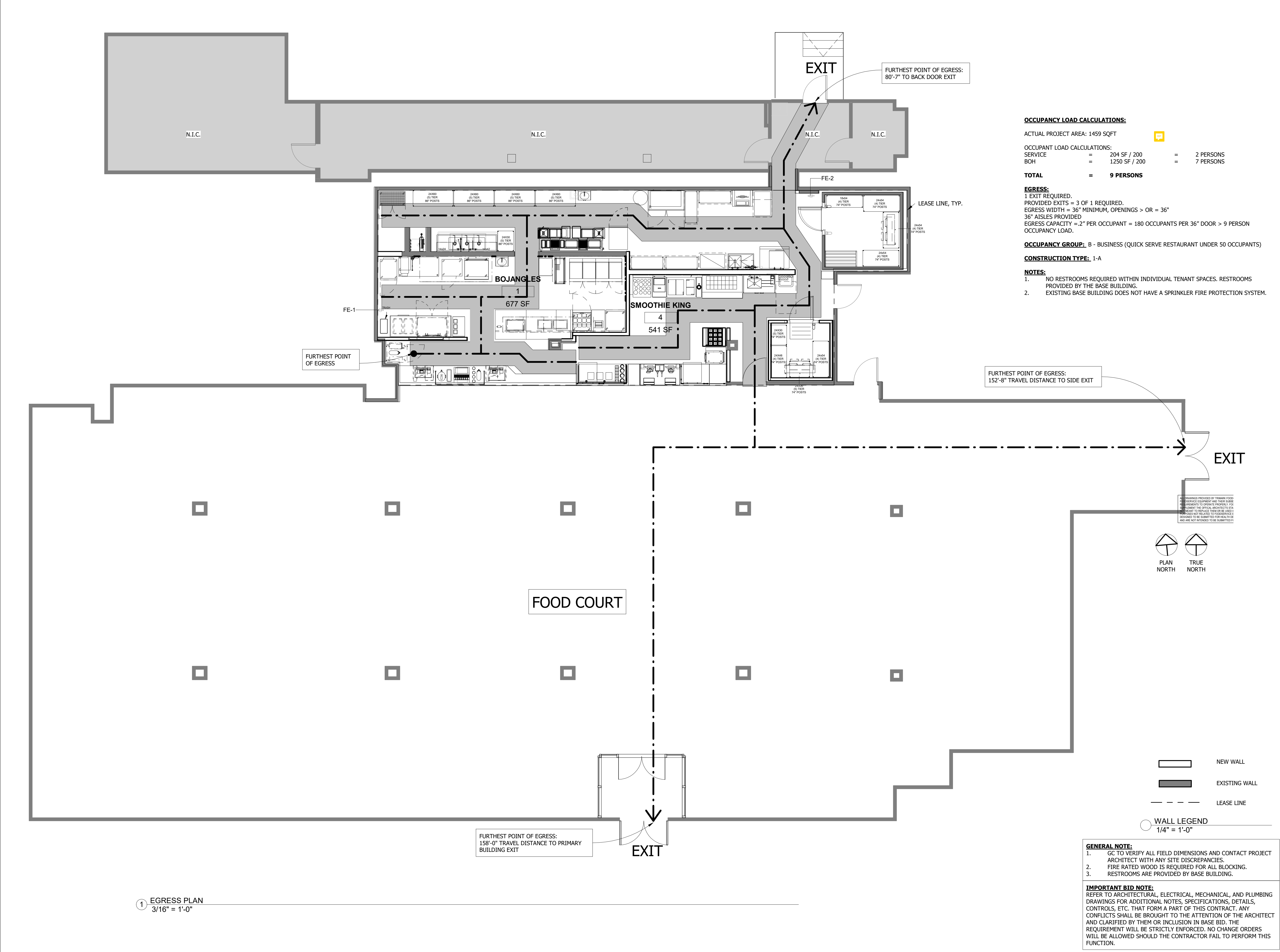
No.	Description	Date
65%	SUBMITTAL	12/5/2025
95%	SUBMITTAL	2/5/2026

FINISH PLAN

Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

A3.1

Scale	As indicated
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1 EGRESS PLAN
3/16" = 1'-0"

OCCUPANCY LOAD CALCULATIONS:

ACTUAL PROJECT AREA: 1459 SQFT

OCCUPANT LOAD CALCULATIONS:

SERVICE	=	204 SF / 200	=	2 PERSONS
BOH	=	1250 SF / 200	=	7 PERSONS
TOTAL	=	9 PERSONS		

EGRESS:
1 EXIT REQUIRED.
PROVIDED EXITS = 3 OF 1 REQUIRED.
EGRESS WIDTH = 36" MINIMUM, OPENINGS > OR = 36"
36" AISLES PROVIDED
EGRESS CAPACITY = .2" PER OCCUPANT = 180 OCCUPANTS PER 36" DOOR > 9 PERSON OCCUPANCY LOAD.

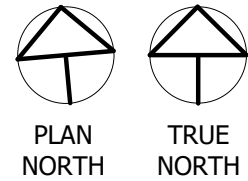
OCCUPANCY GROUP: B - BUSINESS (QUICK SERVE RESTAURANT UNDER 50 OCCUPANTS)

CONSTRUCTION TYPE: 1-A

NOTES:

- NO RESTROOMS REQUIRED WITHIN INDIVIDUAL TENANT SPACES. RESTROOMS PROVIDED BY THE BASE BUILDING.
- EXISTING BASE BUILDING DOES NOT HAVE A SPRINKLER FIRE PROTECTION SYSTEM.

ALL DRAWINGS PROVIDED BY TRIMARK FOOD
SERVICE EQUIPMENT AND THEIR SUBS
ARRANGEMENTS TO ORIGINATE PROPERLY FOR
CONTRACT. THE SUPPLIER, MANUFACTURER, ETC.
NECESSARY TO REPLACE THEM OR BE USED
SHOULD BE SUBMITTED FOR REVIEW AND
APPROVED TO BE SUBMITTED FOR READY TO
AND ARE NOT INTENDED TO BE SUBMITTED.



NEW WALL
EXISTING WALL
LEASE LINE
WALL LEGEND
1/4" = 1'-0"

GENERAL NOTE:

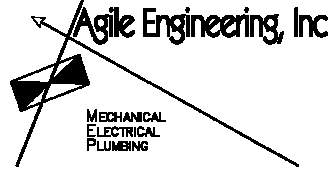
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NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

No.	Description	Date
65% SUBMITTAL		12/5/2025

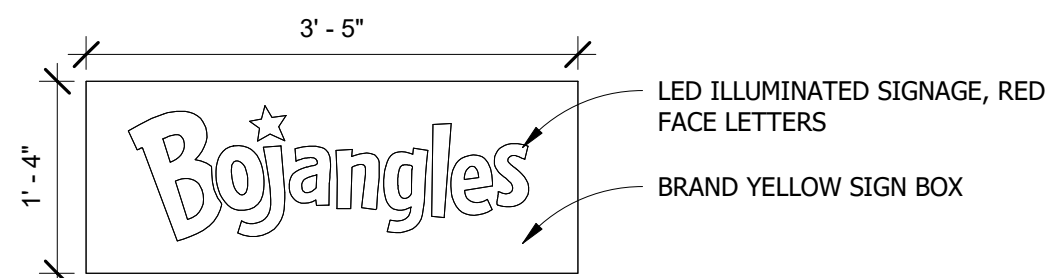
EGRESS PLAN

Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

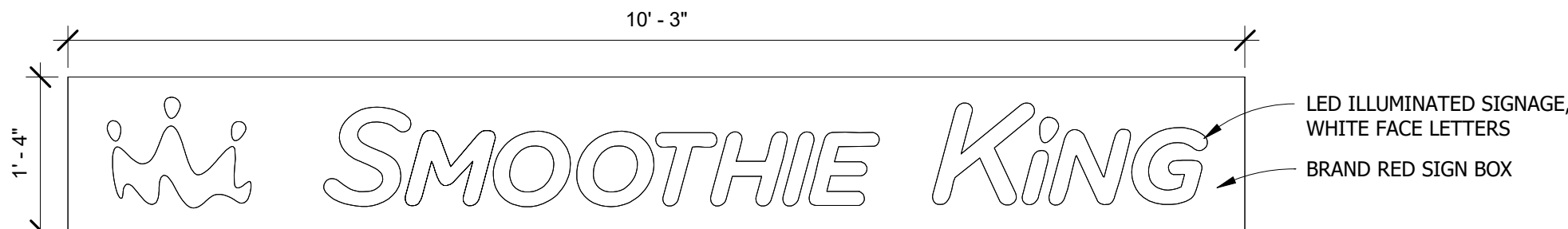
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Scale	As indicated
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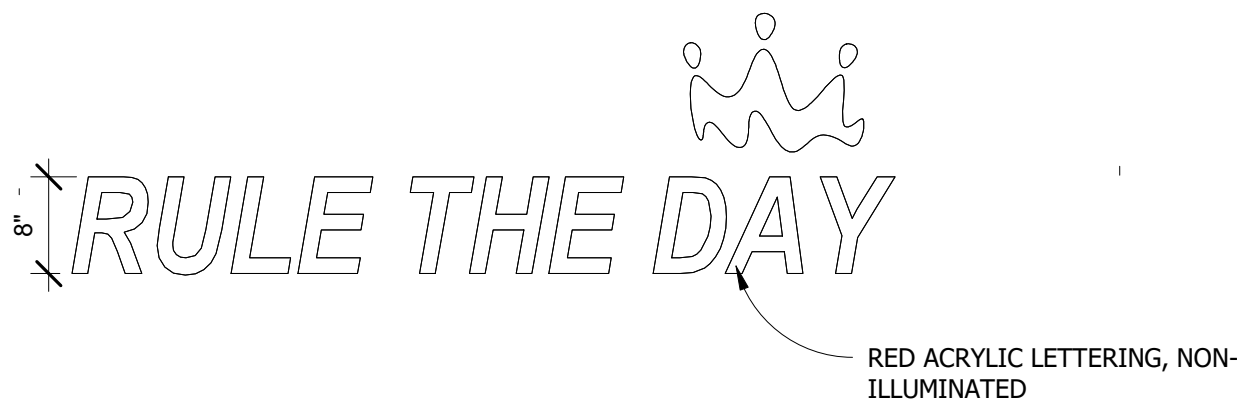
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SIGN-1 - BOJANGLES SIGN
3/4" = 1'-0"

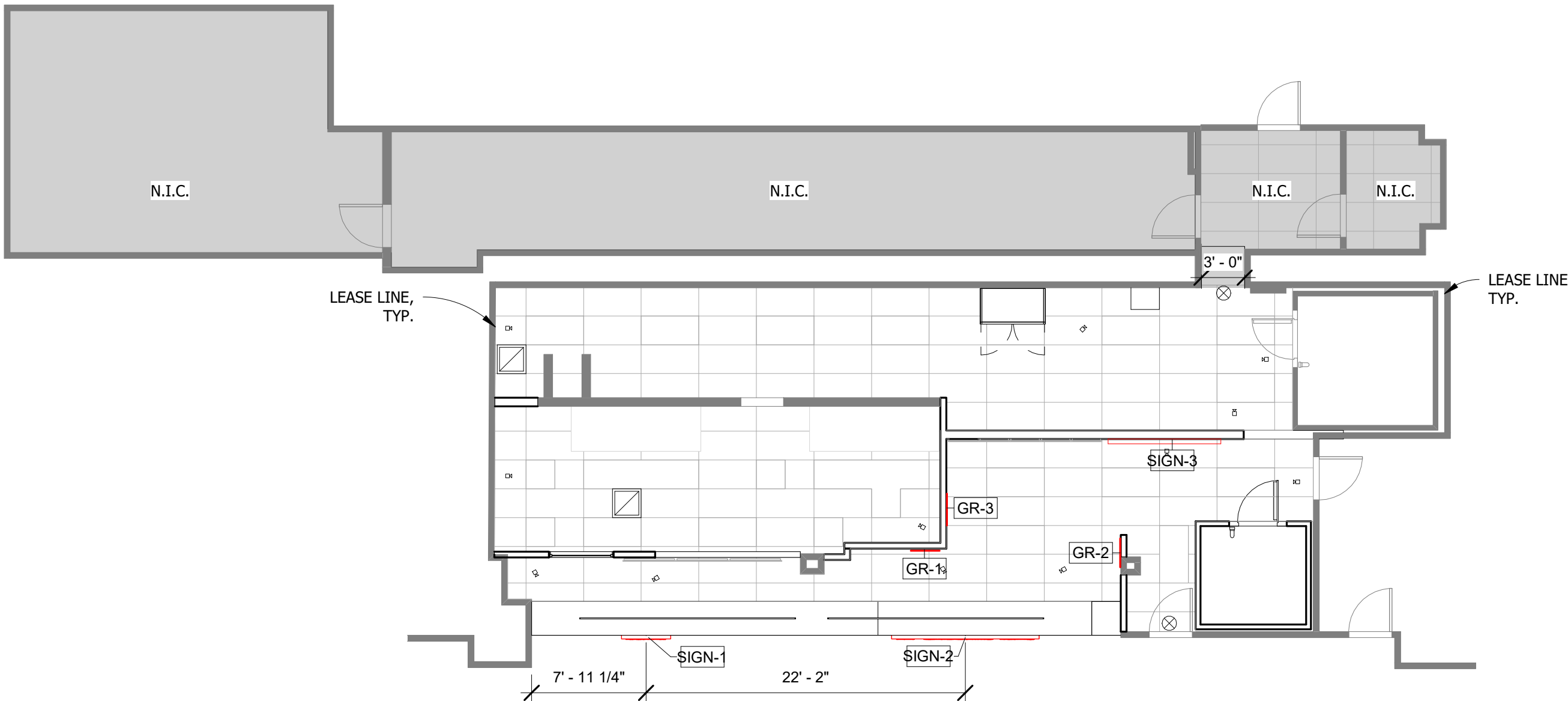


SIGN-2 - SMOOTHIE KING SIGN
3/4" = 1'-0"

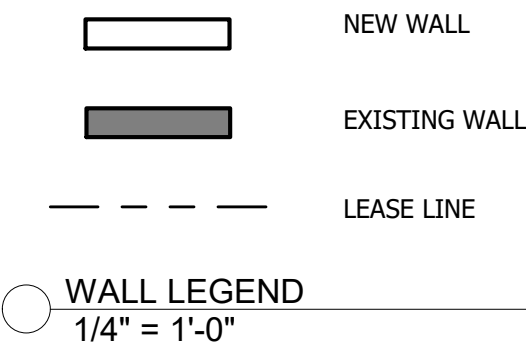
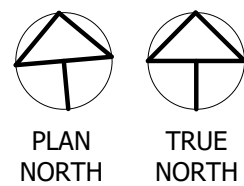


SIGN-3 SK TAG LINE
3/4" = 1'-0"

SIGNAGE SCHEDULE			
Mark	Description	Furnished	Installed
GR-1	SMOOTHIE KING CUP SIZE POSTER	GC	GC
GR-2	SMOOTHIE KING POSTER, 2'X3'	GC	GC
GR-3	SMOOTHIE KING POSTER, 2'X3'	GC	GC
SIGN-1	ILLUMINATED BOJANGLES SIGN	GC	GC
SIGN-2	ILLUMINATED SMOOTHIE KING SIGN	GC	GC
SIGN-3	NON-ILLUMINATED SMOOTHIE KING SIGN		



1 SIGNAGE PLAN
1/8" = 1'-0"



BARRICADE NOTE:

1. A SECURITY SWEEP MUST BE COMPLETED BY IAH PRIOR TO REMOVAL OF THE TEMPORARY CONSTRUCTION WALL.
2. TENANT/TENANT CONTRACTOR IS ENCOURAGED TO USE A PREFABRICATED MODULAR WALL SYSTEM FOR CONTINUITY AND RELIABILITY AS WELL AS FOR SUSTAINABILITY CONCERNS. MODULAR WALLS SUCH AS SWIFTWAL, STARC SYSTEMS, OR SIMILAR

GENERAL NOTE:

1. GC TO VERIFY ALL FIELD DIMENSIONS AND CONTACT PROJECT ARCHITECT WITH ANY SITE DISCREPANCIES.
2. FIRE RATED WOOD IS REQUIRED FOR ALL BLOCKING.

IMPORTANT BID NOTE:

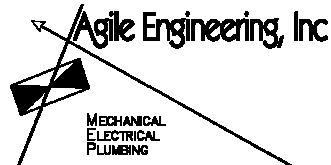
REFER TO ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL NOTES, SPECIFICATIONS, DETAILS, CONTROLS, ETC. THAT FORM A PART OF THIS CONTRACT. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND CLARIFIED BY THEM FOR INCLUSION IN BASE BID. THE REQUIREMENT WILL BE STRICTLY ENFORCED. NO CHANGE ORDERS WILL BE ALLOWED SHOULD THE CONTRACTOR FAIL TO PERFORM THIS FUNCTION.

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NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

No.	Description	Date
65%	SUBMITTAL	12/5/2025

SIGNAGE PLAN

Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

A3.3

Scale	As indicated
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NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

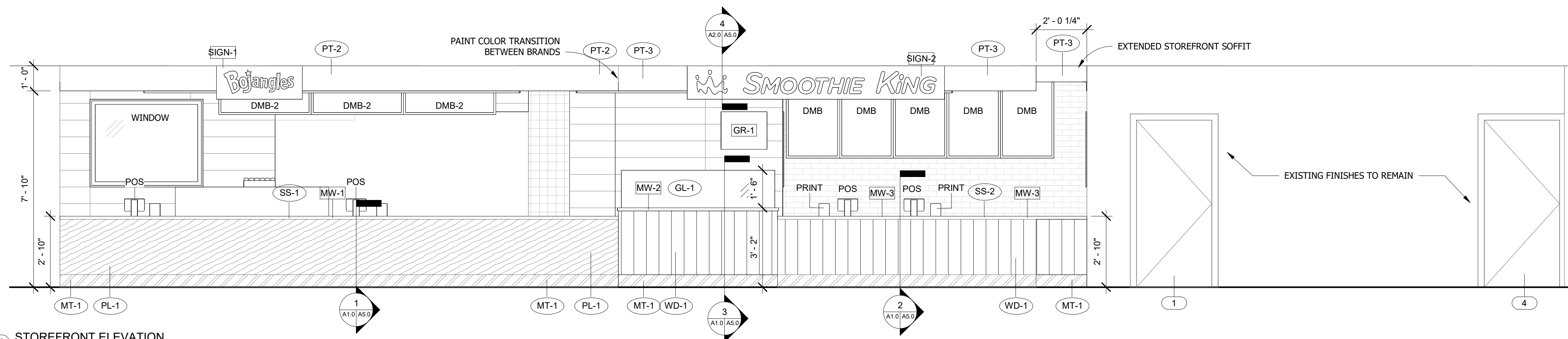
No.	Description	Date
65%	SUBMITTAL	12/5/2025

ELEVATIONS

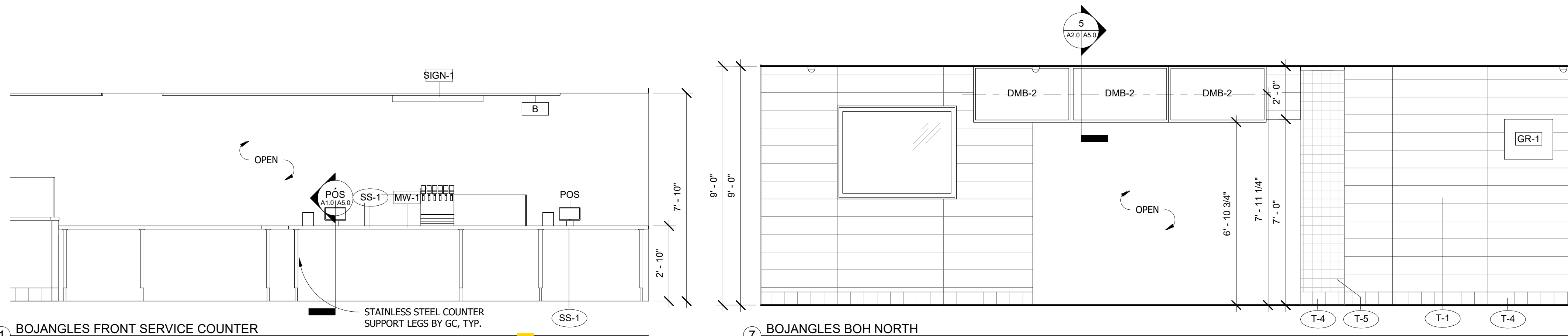
Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

A4.0

Scale	3/8" = 1'-0"
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6 STOREFRONT ELEVATION
3/8" = 1'-0"



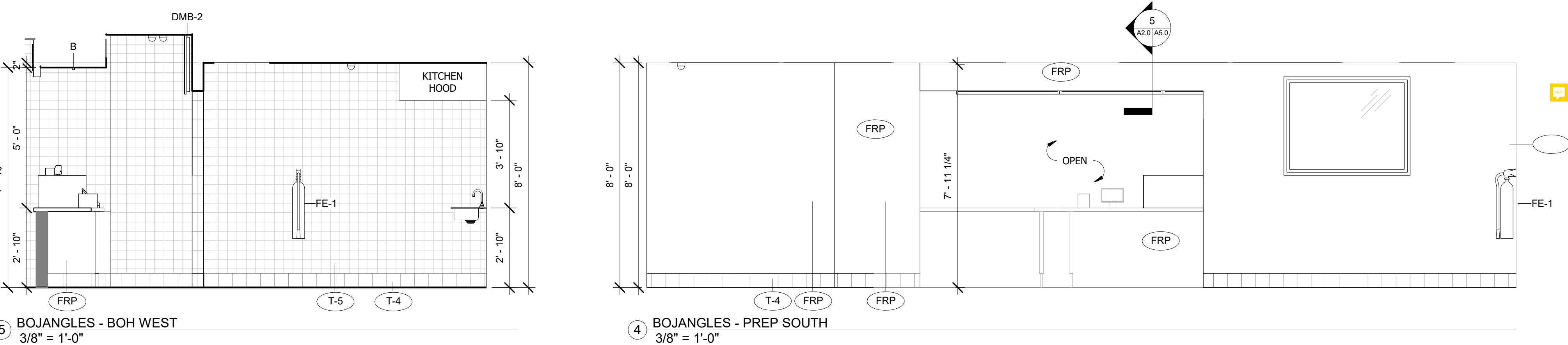
1 BOJANGLES FRONT SERVICE COUNTER
3/8" = 1'-0"

7 BOJANGLES BOH NORTH
3/8" = 1'-0"



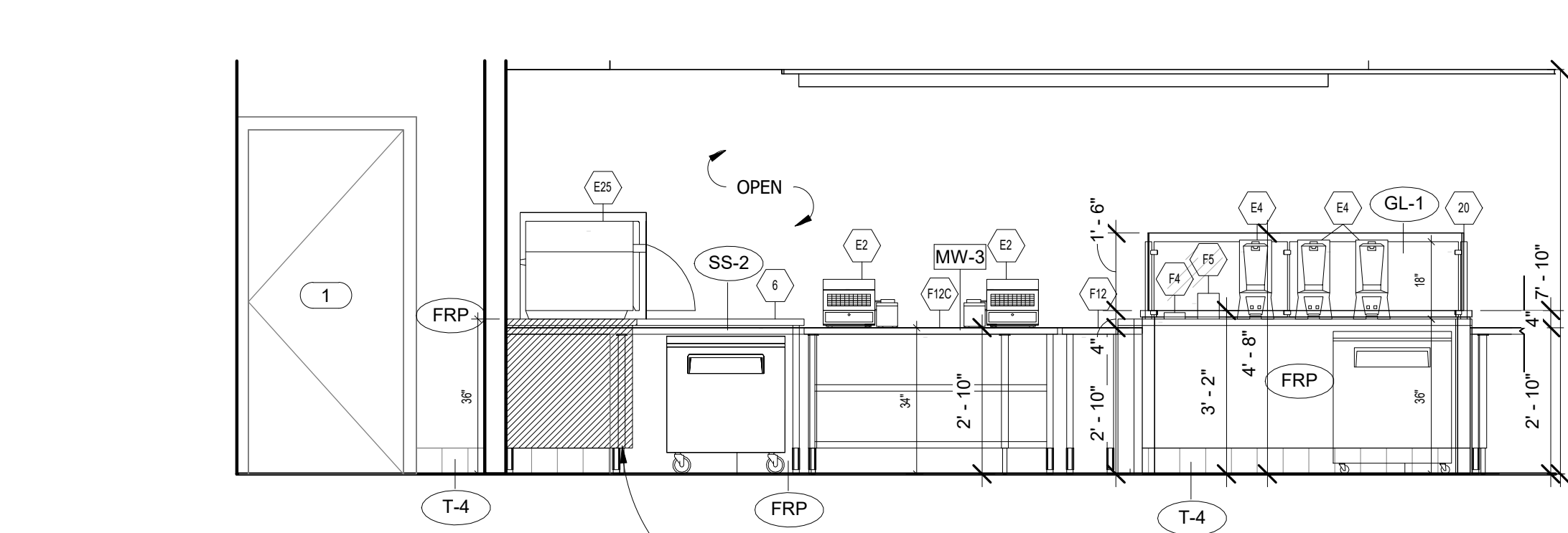
2 BOJANGLES - BOH EAST
3/8" = 1'-0"

3 BOJANGLES - COOKLINE NORTH
3/8" = 1'-0"

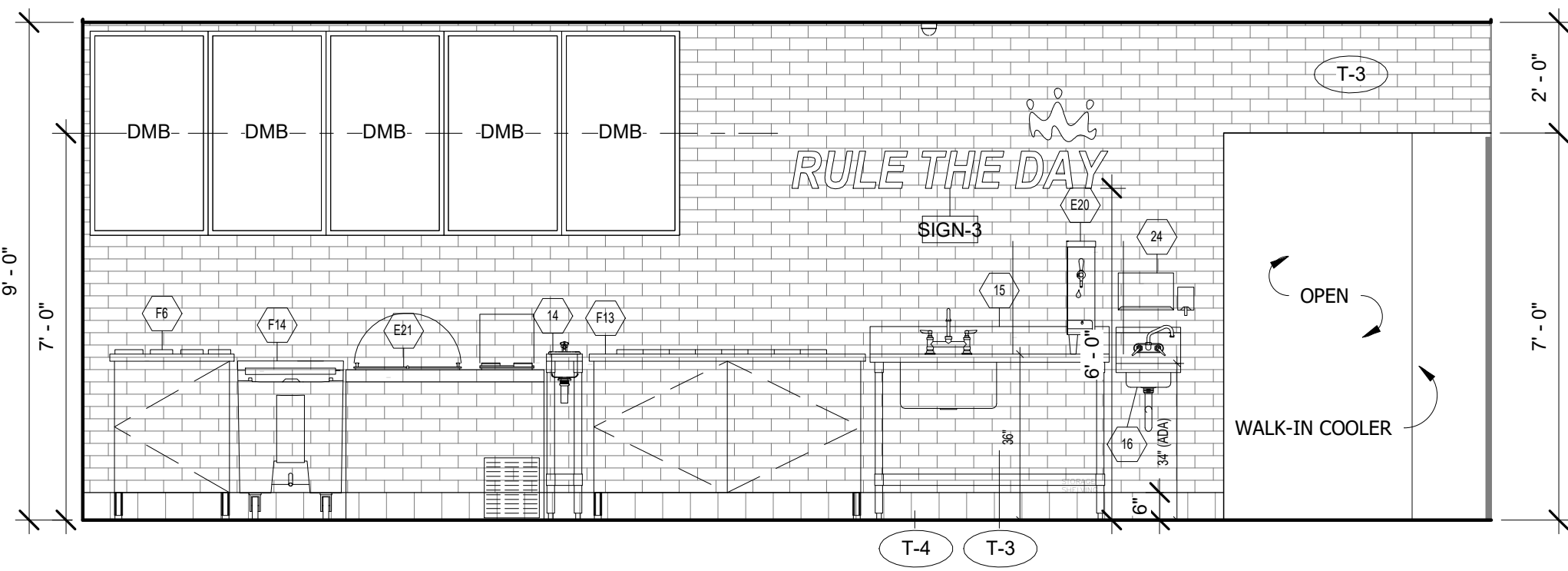


5 BOJANGLES - BOH WEST
3/8" = 1'-0"

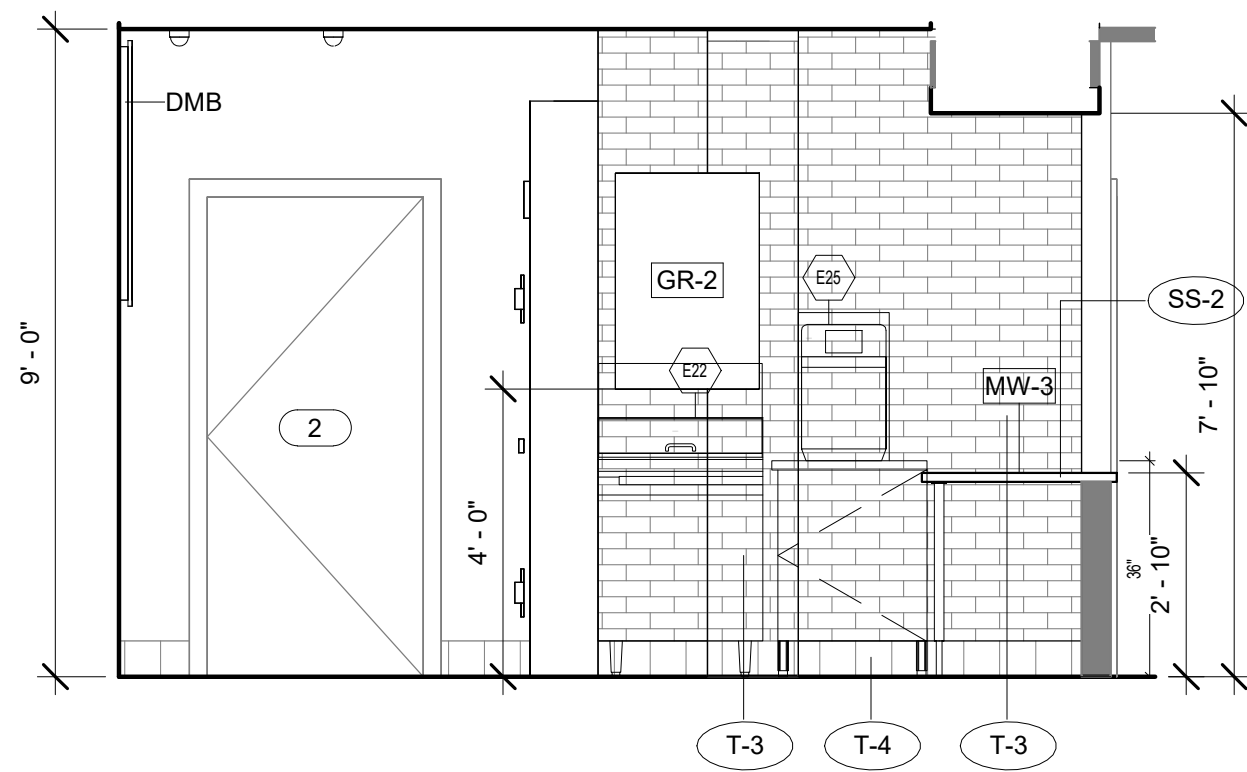
4 BOJANGLES - PREP SOUTH
3/8" = 1'-0"



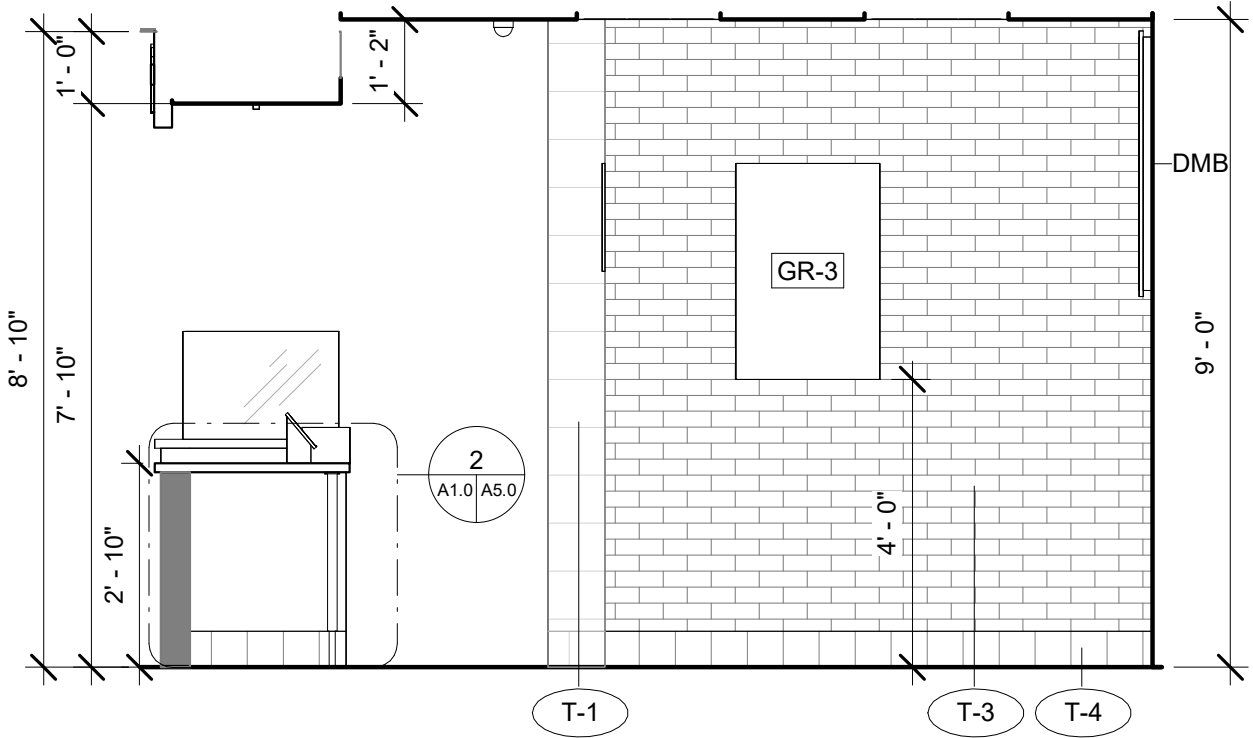
1 SMOOTHIE KING - FRONT SERVICE COUNTER
3/8" = 1'-0"



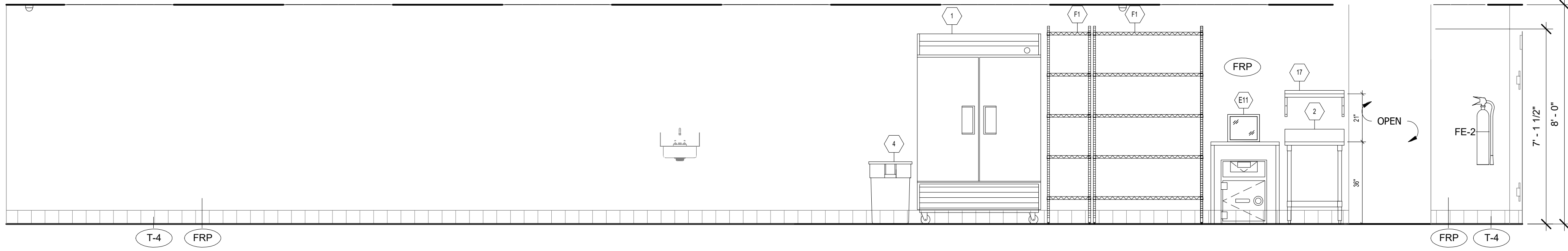
2 SMOOTHIE KING - PREP NORTH
3/8" = 1'-0"



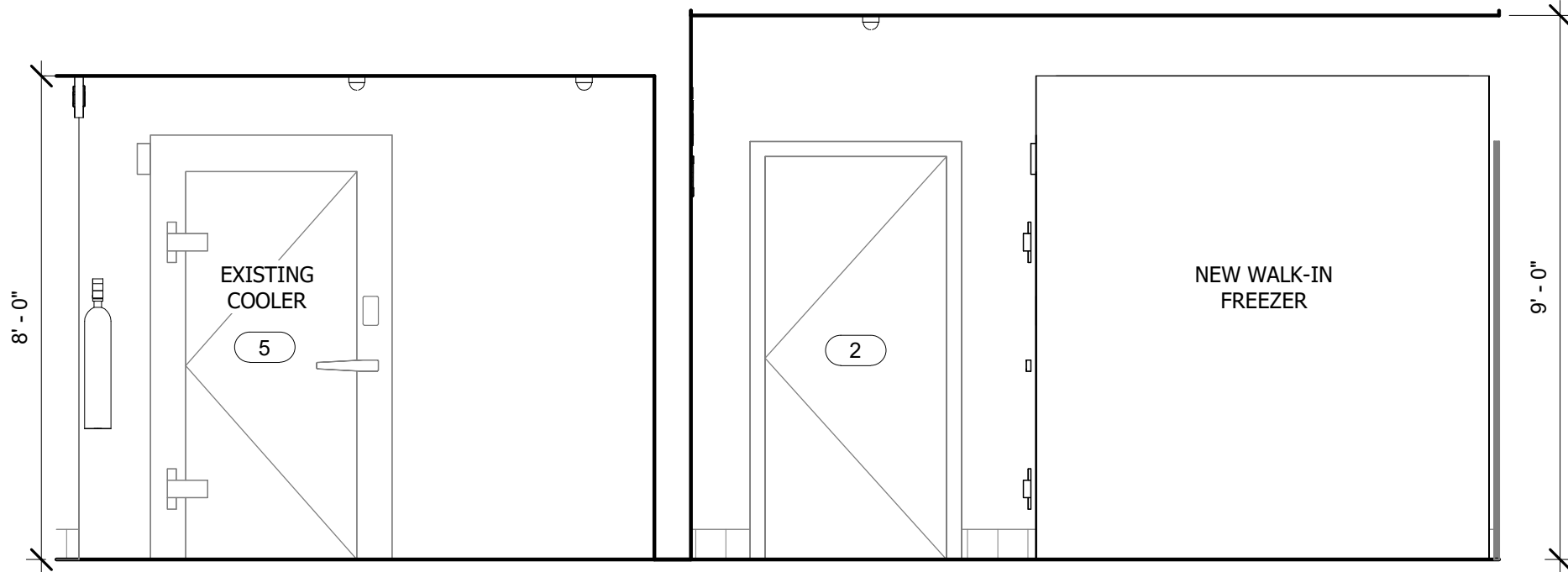
3 SMOOTHIE KING - PREP EAST
3/8" = 1'-0"



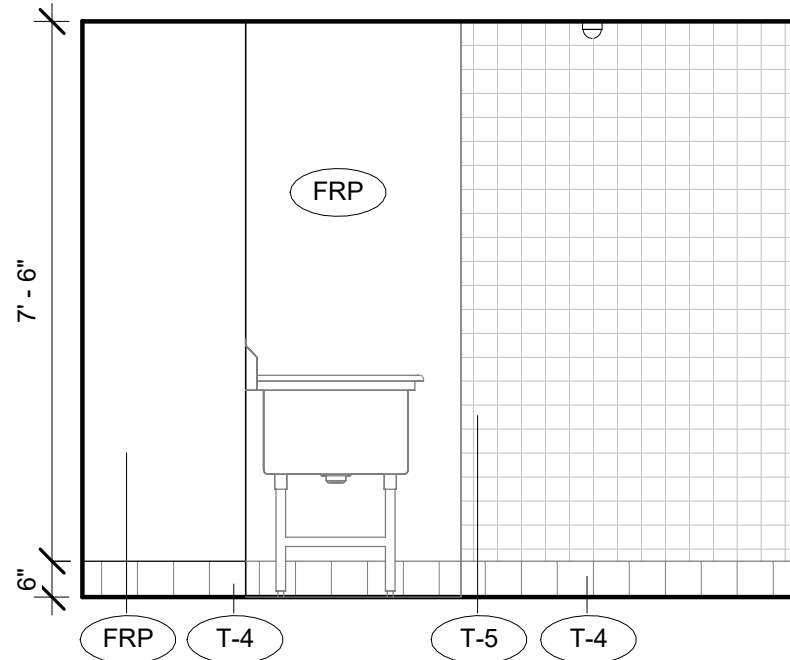
4 SMOOTHIE KING - BOH WEST
3/8" = 1'-0"



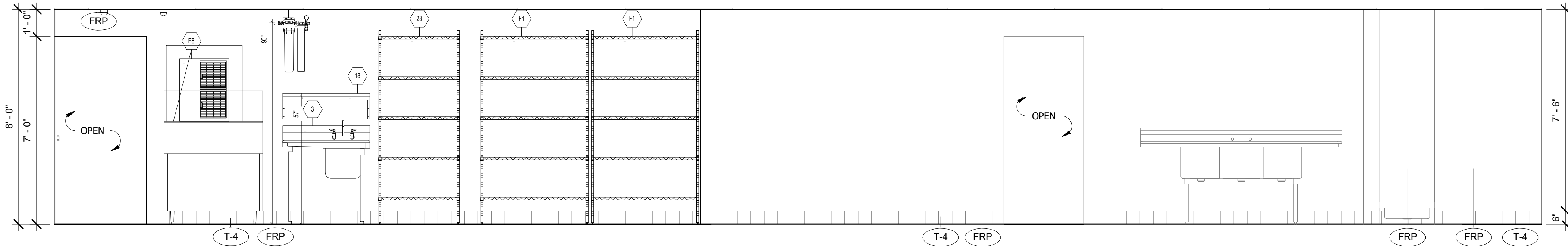
5 BOH - NORTH
3/8" = 1'-0"



6 BOH - EAST
3/8" = 1'-0"



7 BOH - WEST
3/8" = 1'-0"



8 BOH - SOUTH
3/8" = 1'-0"

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MECHANICAL
ELECTRICAL
PLUMBING

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Bojangles
SMOOTHIE
KING

NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

No.	Description	Date
65%	SUBMITTAL	12/5/2025

ELEVATIONS

Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

A4.1

Scale	3/8" = 1'-0"
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NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

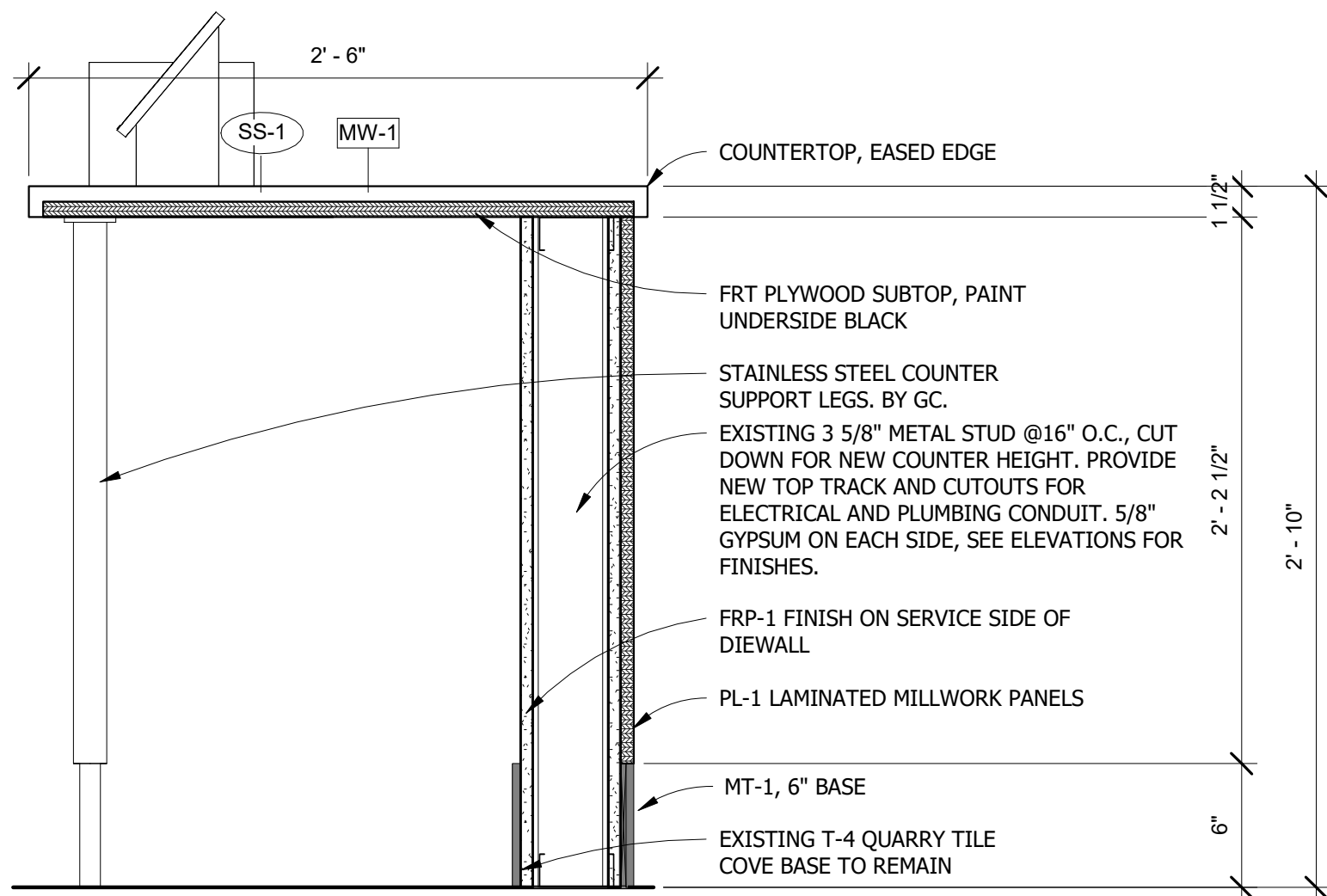
No.	Description	Date
65%	SUBMITTAL	12/5/2025

DETAILS - SECTIONS

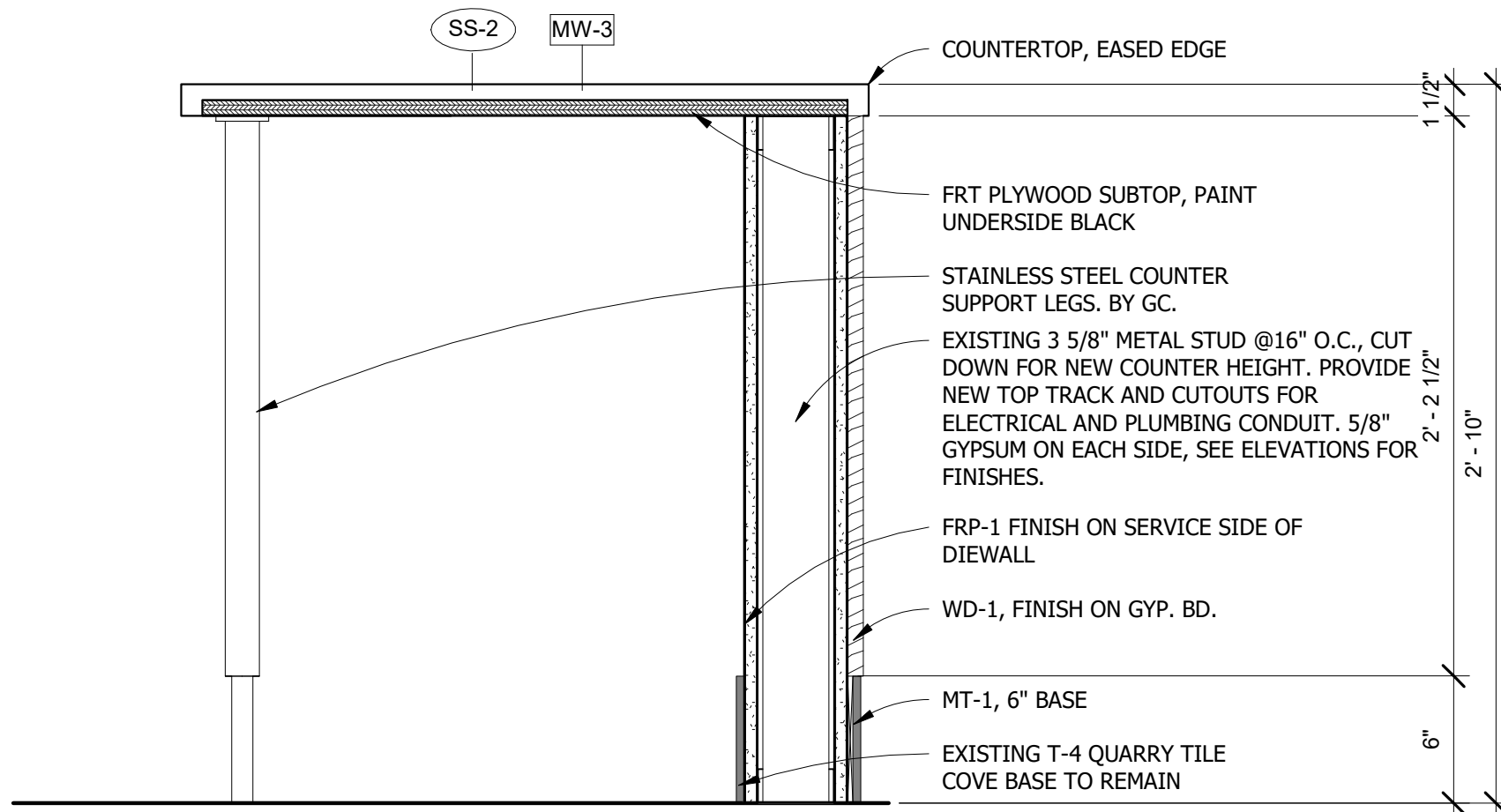
Project number	2025-048
Date	2/5/2026
Drawn by	EY
Checked by	KG

A5.0

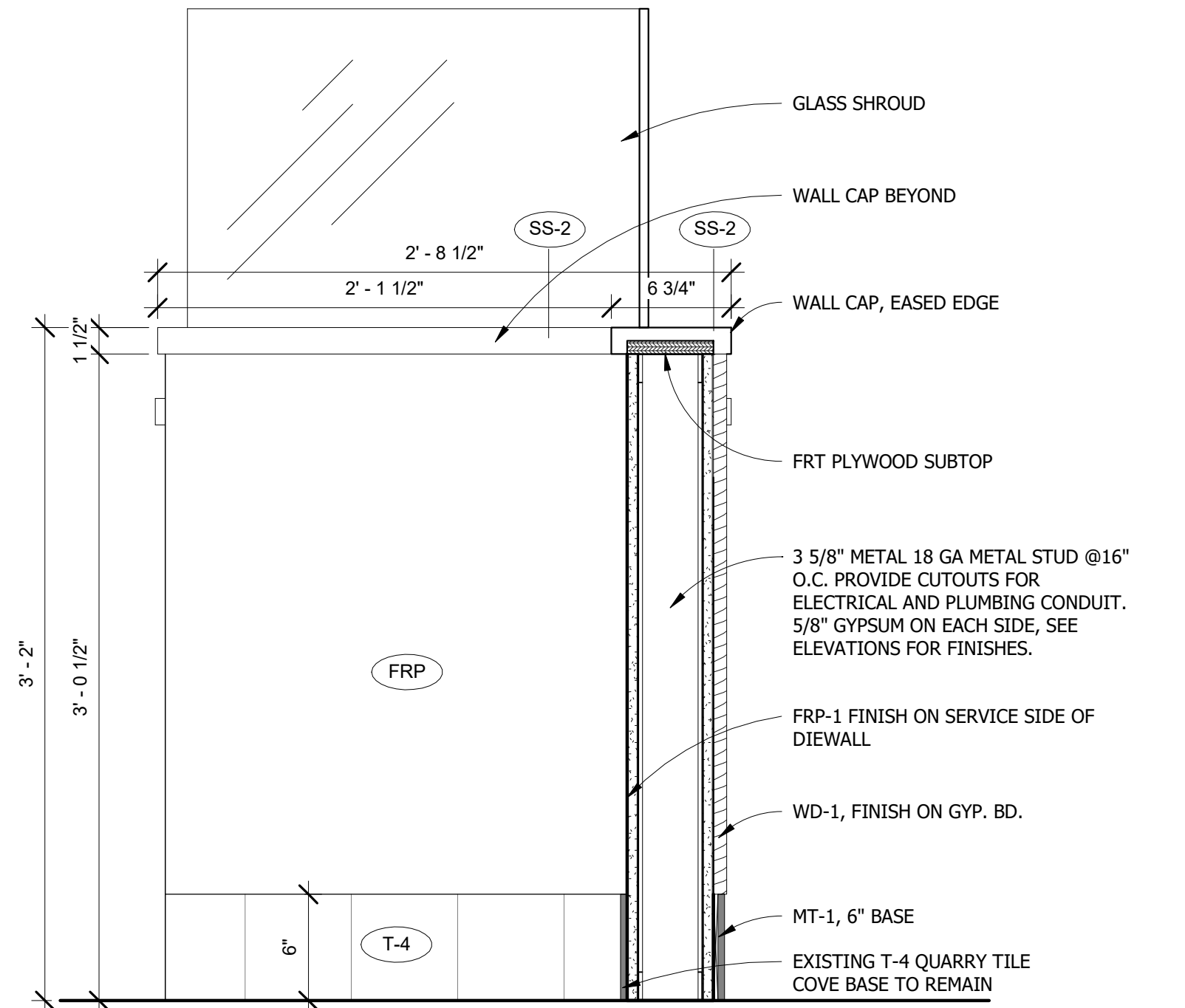
Scale	1 1/2" = 1'-0"
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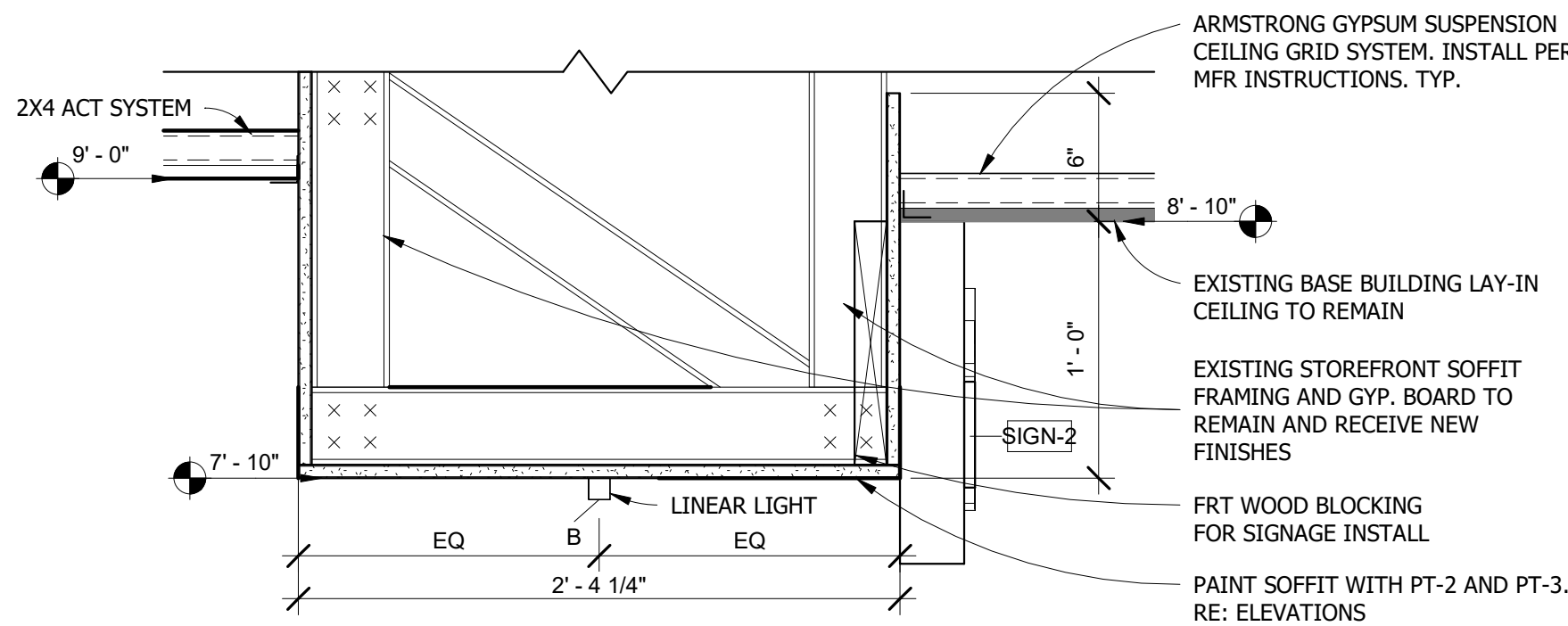
1 BOJANGLES FRONT COUNTER SECTION
1 1/2" = 1'-0"



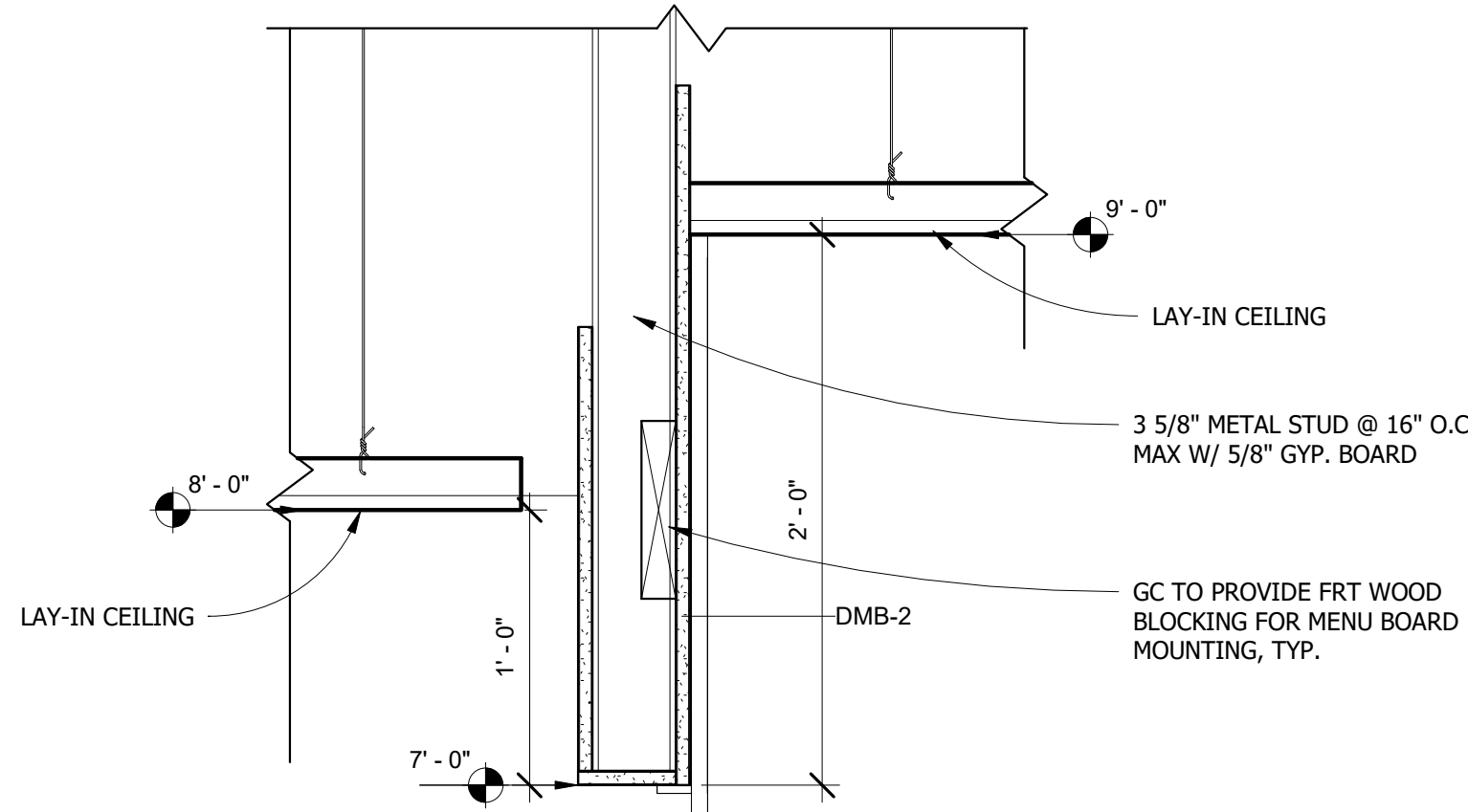
2 SMOOTHIE KING FRONT COUNTER SECTION
1 1/2" = 1'-0"



3 SMOOTHIE KING FRONT PREP AREA
1 1/2" = 1'-0"



4 STOREFRONT SOFFIT SECTION
1 1/2" = 1'-0"



5 SECTION AT MENU HEADER
1 1/2" = 1'-0"

GENERAL REQUIREMENT

1. ALL TENANT UTILITIES ASSOCIATED WITH THE LEASE SPACE OUTSIDE OF THE ENVELOPE OF THE LEASE SPACE SHALL BE LABELED WITH THE SPACE NUMBER AND CURRENT TENANTS NAME AT EVERY JUNCTION BOX OR SUPPORT. WHERE THE UTILITY PENETRATES A STRUCTURE, IT SHALL BE LABELED AT THE ENTRY AND EXIT POINTS OF THE WALL, CEILING, OR FLOOR STRUCTURE.
2. ALL UTILITIES SHALL BE INSTALLED AT THE HIGHEST POSSIBLE ELEVATION BASED ON THE BUILDING STRUCTURE IN THAT AREA.
3. ALL INSTALLATIONS, EQUIPMENT, AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE MOST CURRENT ADOPTED DESIGN MANUAL AT THE TIME OF THE PERMIT SUBMISSION.
4. A MINIMUM 18" OF CLEARANCE SHALL BE MAINTAINED BETWEEN THE FACE OF ANYBASE BUILDING STRUCTURE, EQUIPMENT, RAILINGS, WINDOW WALLS, ETC. AND ANY TENANT INSTALLED FEATURES.
5. REQUIRES A MINIMUM SAFE ZONE OF 3 FEET CLEAR FROM THE "FACE" OF A ELECTRICAL PANEL TO A HEIGHT OF 6 FEET ABOVE THE FINISH FLOOR OR 1 FOOT ABOVE THE TOP OF THE PANEL, WHICHEVER IS THE GREATEST HEIGHT. MAINTAIN A MINIMUM OF 6 INCHES CLEAR FROM EITHER SIDE OF THE PANEL TO A HEIGHT OF 6 FEET ABOVE FINISH FLOOR OR 1 FOOT ABOVE THE TOP OF THE PANEL, WHICHEVER IS THE GREATEST HEIGHT. THE SAFE ZONE AND A PATHWAY TO THE PANEL SHOULD BE KEPT CLEAR AT ALL TIMES.
6. THE GC SHALL ENGAGE THE ROOFING CONTRACTOR CURRENTLY UNDER CONTRACT FOR ROOF REPAIR AND MAINTENANCE FOR ALL ROOF WORK ASSOCIATED WITH THIS PROJECT.
7. THE CONTRACTOR SHALL TEST AND VERIFY, IN WRITING, THAT ALL BASE BUILDING SYSTEMS, THEIR COMPONENTS, AND EQUIPMENT THAT INTERACT, CONNECT TO, OR SUPPLY DATA TO THE BASE BUILDING BAS ARE FUNCTIONING AND COMMUNICATING PROPERLY TO THE BASE BUILDING BAS BEFORE ANY DEMOLITION OF THE PROJECT BEGINS.
8. THE CONTRACTOR SHALL TEST AND VERIFY, IN WRITING, THAT ALL SYSTEMS, THEIR COMPONENTS, AND EQUIPMENT THAT INTERACT, CONNECT TO, OR SUPPLY DATA TO THE BASE BUILDING BAS ARE FUNCTIONING AND COMMUNICATING PROPERLY TO THE BASE BUILDING BAS BEFORE RELEASING THE PROJECT TO THE TENANT FOR OCCUPANCY.
9. ALL ITEMS NOT SPECIFICALLY STATED "EXISTING TO REMAIN" ARE TO BE REMOVED TO THE SOURCE. UTILITIES TO BE DEMOLISHED SHALL BE REMOVED TO THE SOURCE OR A TERMINATION POINT AS DESIGNATED BY AN MA-121 INSPECTOR, INCLUSIVE OF BUT NOT LIMITED TO PIPE, EQUIPMENT, AND/OR ACCESSORIES. CARPET AND SEALED.
10. HE USE OF POWDER ACTUATED FASTENING DEVICES OR DEVICES, WHEN USED, MIMIC OR SOUND LIKE A WEAPON BEING DISCHARGED IS PROHIBITED.
11. SODA/BEER/CARBONATION LINES LEAVING THE ENVELOPE OF THE LEASED AREA MUST BE INSTALLED IN A WATERTIGHT ENCLOSURE/PIPE/ASSEMBLY.
12. PROVIDE NEW BTU, ELECTRIC, AND WATER METERS. RETURN ANY EXISTING.
13. NO ATTACHMENT (LOAD/INON LOAD) TO THE BASE BUILDINGS "YELLOW" STRUCTURAL MEMBERS IS ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL.
14. UTILITIES TO REMAIN SHALL BE BROUGHT INTO COMPLIANCE WITH THE MOST RECENT ADOPTED DESIGN MANUAL AND "LIKE NEW" CONDITION INCLUSIVE OF, BUT NOT LIMITED TO INSTALLATION, MATERIALS, AND EQUIPMENT.
15. ITEMS INDICATED IN DRAWINGS/SPECS TO BE RE-USED SHALL BE BROUGHT TO "LIKE NEW" CONDITION BEFORE RE-INSTALLATION.
16. UTILITIES OUTAGES REQUIRE 72 HOURS (3 BUSINESS DAYS) ADVANCE NOTICE TO THE AIRPORT ENGINEERING DIVISION AND SIGNED COPY OF THE OUTAGE POSTED ON-SITE AT ALL TIMES WHEN BE WORK IS TAKING PLACE.
17. OUTAGES WHICH IMPACT OTHER TENANTS REQUIRE AN AIRPORT ADVISORY. AIRPORT ADVISORIES REQUIRE 3 WEEKS' ADVANCE NOTICE TO PERFORM.
18. ALL METERS WITHIN THE LEASE SPACE SHALL HAVE HOME RUN 1" CONDUIT INSTALLED FROM THE METER LOCATION TO THE LEASE SPACE DE-MARC LOCATION OR THE NEAREST COMMUNICATION ROOM, WHICHEVER CONDUIT RUN IS SHORTEST.
19. THE USE OF PVC ABOVE GROUND FOR ELECTRICAL, PLUMBING OR MECHANICAL IS PROHIBITED.
20. STRUCTURE(S) AND/OR UTILITIES TO BE DEMOLISHED SHALL BE REMOVED TO THE SOURCE OR A TERMINATION POINT AS DESIGNATED BY A MA-121 INSPECTOR INCLUSIVE OF BUT NOT LIMITED TO PIPE, EQUIPMENT, HANGERS AND/OR ACCESSORIES.
21. ALL FLOOR PENETRATION IN WALL CAVITIES SHALL HAVE WATERPROOFING INSTALLED AND TESTED BEFORE CLOSING IN WALLS.
22. ALL TENANT UTILITIES ASSOCIATED WITH THE LEASE SPACE OUTSIDE OF THE ENVELOPE OF THE LEASE SPACE SHALL BE LABELED WITH THE SPACE NUMBER AND CURRENT TENANTS NAME AT EVERY JUNCTION BOX OR SUPPORT. WHERE THE UTILITY PENETRATES A STRUCTURE, IT SHALL BE LABELED AT THE ENTRY AND EXIT POINTS OF THE WALL, CEILING, OR FLOOR STRUCTURE.
23. IF MOLD IS ENCOUNTERED — STOP ALL WORK IN THE AFFECTED AREA AND NOTIFY OFFICIALS IMMEDIATELY.
24. ALL UTILITIES SHALL BE INSTALLED AT THE HIGHEST POSSIBLE ELEVATION BASED ON THE BUILDING STRUCTURE IN THAT AREA.
25. ALL INSTALLATIONS, EQUIPMENT, AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE MOST CURRENT ADOPTED DESIGN MANUAL AT THE TIME OF THE PERMIT SUBMISSION.
26. ALL ROOF PENETRATIONS SHALL BE COORDINATED WITH MA-121.
27. A MINIMUM 18" OF CLEARANCE SHALL BE MAINTAINED BETWEEN THE FACE OF ANY BASE BUILDING STRUCTURE, EQUIPMENT, RAILINGS, WINDOW WALLS, ETC. AND ANY TENANT INSTALLED FEATURES.
28. INSTALLATION OF ANY TENANT STRUCTURE, EQUIPMENT, MILLWORK, ETC. OVER MAINTAINED CARPET IS PROHIBITED.
29. THE GC SHALL ENGAGE THE ROOFING CONTRACTOR CURRENTLY UNDER CONTRACT FOR ROOF REPAIR AND MAINTENANCE FOR ALL ROOF WORK ASSOCIATED WITH THIS PROJECT.
30. THE USE OF POWDER ACTUATED FASTENING DEVICES OR DEVICES, WHEN USED, MIMIC OR SOUND LIKE A WEAPON BEING DISCHARGED IS PROHIBITED.
31. ALL PATCH AND/OR REPAIRS TO EXISTING BASE BUILDING POURED TERRAZZO OR TILE SHALL BE ACCOMPLISHED BY REPLACING THE MODULAR UNIT(S) AS A WHOLE, NO SPOT REPAIRS OR PATCHES ARE ACCEPTABLE.
32. ALL ACCESS DOORS THAT OCCUR IN DRYWALL THAT IS NOT SCHEDULED TO RECEIVE A HARD FINISH OVERLAY, SHALL BE HINGED, SEAMLESS, AND HAVE A POSITIVE CLOSED MECHANISM.
33. FOR ACCESS TO MAINTAINED INSTALLATIONS AND/OR EQUIPMENT THE MINIMUM SIZE FOR ACCESS DOORS SHALL BE 2'X2' OR LARGER AS DIRECTED BY MA-121.
34. PROVIDE NEW BTU, ELECTRIC, AND WATER METERS. RETURN ANY EXISTING.
35. PATCH AND REPAIR EXISTING SURFACES / HOLES TO MATCH SIMILAR ADJACENT SURFACES IN ALL ASPECTS.
36. ITEMS INDICATED IN DRAWINGS/SPECS TO BE RE-USED SHALL BE BROUGHT TO "LIKE NEW" CONDITION BEFORE RE-INSTALLATION.
37. UTILITIES OUTAGES REQUIRE 3 BUSINESS DAYS ADVANCE NOTICE TO THE AIRPORT ENGINEERING DIVISION AND SIGNED COPY OF THE OUTAGE POSTED ON-SITE AT ALL TIMES WHEN THE WORK IS TAKING PLACE.
38. OUTAGES WHICH IMPACT OTHER TENANTS REQUIRE AN AIRPORT ADVISORY. AIRPORT ADVISORIES REQUIRE 3 WEEKS ADVANCE NOTICE TO PERFORM.
39. ALL METERS WITHIN THE LEASE SPACE SHALL HAVE HOME RUN 1" CONDUIT INSTALLED FROM THE METER LOCATION TO THE LEASE SPACE DE-MARC LOCATION OR THE NEAREST COMMUNICATION ROOM, WHICHEVER CONDUIT RUN IS SHORTEST.
40. PROVIDE SEPARATE PLAN SHOWING "ALL" PENETRATIONS THROUGH EXISTING ROOF, WALL AND FLOOR.
41. THE GC SHALL ENGAGE THE ROOFING CONTRACTOR CURRENTLY HAVING THE MAINTENANCE AND REPAIR CONTRACT FOR ANY ROOF RELATED INSTALLATIONS.
42. ANY HOLES MADE IN THE FLOOR WALLS AND CEILING MUST BE REPAIRED TO MATCH EXISTING.
43. THE USE OF PVC ABOVE GROUND FOR ELECTRICAL, PLUMBING OR MECHANICAL IS PROHIBITED.
44. UTILITIES TO REMAIN SHALL BE BROUGHT INTO COMPLIANCE WITH THE MOST RECENT ADOPTED DESIGN MANUAL AND "LIKE NEW" CONDITION INCLUSIVE OF, BUT NOT LIMITED TO INSTALLATION, MATERIALS, AND EQUIPMENT.

ELECTRICAL REQUIREMENT

1. SPACE SURROUNDING ELECTRICAL EQUIPMENT SHALL CONFORM TO ARTICLE 110 NEC.
2. MINIMUM PIPE SIZE FOR COMMUNICATIONS IS 1"
3. A NEW ELECTRICAL METER, SHALL BE INSTALLED BY THE TENANT/GC IN THE TENANT SPACE OR DESIGNATED MMU, ADD 3 POLE METER POWER BREAKER WHERE REQUIRED, AND A DATA ETHERNET CABLE BACK TO THE DATA CLOSET TO BE INCLUDED WITH THE CONCESSION.
4. ETHERNET CABLES - ADD A 6-CONDUCTOR 22-26 AWG SERIAL CABLE FROM METER TO DESIGNATED MMU/AREA."
5. INSTALL CT FOR METER ON TENANT PANEL FEEDERS.
6. IMC IS NOT A LISTED MATERIAL FOR USE AT IAD.
7. PROVIDE NEW TYPED PANEL SCHEDULES AFTER WORK IS COMPLETED.
8. THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, APPLICABLE CODES AND THE MOST CURRENT ADOPTED DESIGN MANUAL OF THE METRO WASHINGTON AIRPORTS AUTHORITY.
9. MINIMUM SIZE ELECTRICAL CONDUIT IS 3/4" ALL FITTINGS SHALL BE STEEL OR MALLEABLE IRON ALL EMT FITTINGS SHALL BE COMPRESSION TYPE.
10. ALL PIPE RUNS SHALL BE PARALLEL AND/OR PERPENDICULAR TO THE BASE BUILDING STRUCTURAL ELEMENTS.
11. DAISY CHAINING OF NON-RECESSED LIGHTING FIXTURES IN THE CEILING IS LIMITED TO 3 UNITS PER CHAIN.
12. FLEXIBLE CONDUIT LIMITED TO 6' UNLESS OTHERWISE STATED IN THE CURRENT DM.
13. MINIMUM BREAKER SIZE IS 20 AMP UNLESS SPECIFICALLY REQUIRED BY THE MANUFACTURER TO BE LOWER.
14. 22.4.2 RECEPTACLES: DUPLEX RECEPTACLES SHALL BE RATED AT 20 AMPERES, 125 VOLTS (NEMA 5-20R CONFIGURATION) WITH SIDE WIRED, COPPER ALLOY SCREW TERMINALS. ALL EXTERIOR RECEPTACLES SHALL BE GFCI TYPE. GFCI RECEPTACLES SHALL NOT BE WIRED TO PROTECT DOWNSTREAM RECEPTACLES, EXCEPT IN INDOOR INSTALLATIONS WHERE THE DOWNSTREAM RECEPTACLES ARE IN THE SAME ROOM. RECEPTACLES SHALL BE IDENTIFIED ACCORDINGS TO REGULAR POWER, EMERGENCY POWER OR DATA WITH ISOLATED GROUND.
15. ALL WIRING SHALL BE INSTALLED IN CONDUIT PER DM 22.5, INCLUSIVE OF LOW VOLTAGE/CONTROL WIRING (I.E. THERMOSTATS, AUDIO, VISUAL, COMM, ETC.)
16. THE SERVICE LOAD SHALL BE BALANCED WITHIN 10% OF THE FEEDER CAPACITY.
17. TRANSFORMER (S) SHALL BE ENERGY EFFICIENT 115 DEGREE RISE.
18. TRANSFORMERS SHALL NOT BE INSTALLED ABOVE CEILING. TRANSFORMERS SHALL NOT BE LOCATED IN AN AREA THAT IS UNSAFE, (IE BELOW SHELVING OR NEAR COUNTER TOPS.)
19. REMOVE ALL ABANDONED WIRING FROM CABLE TRAYS FROM THE SPACE TO THE ORIGINAL SOURCE.
20. ALL ELECTRICAL ITEMS NOT SPECIFICALLY STATED EXISTING TO REMAIN SHALL BE REMOVED TO SOURCE. NO ABANDONED CONDUITS/WIRING DM 22.5
21. PROVIDE DIMMER SWITCHES IN ALL DINING AREAS
22. REQUIRES A MINIMUM SAFE ZONE OF 3 FEET CLEAR FROM THE "FACE" OF AN ELECTRICAL PANEL TO A HEIGHT OF 6 FEET ABOVE THE FINISH FLOOR OR 1 FOOT ABOVE THE TOP OF THE PANEL, WHICHEVER IS THE GREATEST HEIGHT. MAINTAIN A MINIMUM OF 6 INCHES CLEAR FROM EITHER SIDE OF THE PANEL TO A HEIGHT OF 6 FEET ABOVE THE FINISH FLOOR OR 1 FOOT ABOVE THE TOP OF THE PANEL, WHICHEVER IS THE GREATEST HEIGHT. THE SAFE ZONE AND A PATHWAY TO THE PANEL SHOULD BE KEPT CLEAR AT ALL TIMES.
23. THE CONTRACTOR SHALL TEST AND VERIFY, IN WRITING, THAT ALL SYSTEMS, THEIR COMPONENTS, AND EQUIPMENT THAT INTERACT, CONNECT TO, OR SUPPLY DATA TO THE BASE BUILDING BAS ARE FUNCTIONING AND COMMUNICATING PROPERLY TO THE BASE BUILDING BAS BEFORE RELEASING HE PROJECT TO THE TENANT FOR OCCUPANCY.
24. ALL MANUFACTURED MILLWORK SHALL HAVE A UL LISTING AND LABELED AS SUCH.
25. SPACE SURROUNDING ELECTRICAL EQUIPMENT SHALL CONFORM TO ARTICLE 110 NEC.
26. MINIMUM PIPE SIZE FOR COMMUNICATIONS IS 1".
27. A NEW ELECTRICAL METER, SHALL BE INSTALLED IN THE TENANT/GC IN THE TENANT SPACE DESIGNATED MMU, ADD 3 POLE METER POWER BREAKER WHERE REQUIRED, AND A DATA ETHERNET CABLE BACK TO THE DATA CLOSET TO BE INCLUDED WITH THE CONCESSION.
28. ETHERNET CABLES - ADD A 6-CONDUCTOR 22-26 AWG SERIAL CABLE FROM METER TO DESIGNATED MMU/AREA.
29. INSTALL CT FOR METER ON 120/208 TENANT PANEL FEEDERS.
30. IMC IS NOT A LISTED MATERIAL FOR USE AT IAD.
31. PROVIDE NEW TYPED PANEL SCHEDULES AFTER WORK IS COMPLETED.
32. THE ENTIRE ELECTRICAL INSTALLATION SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, APPLICABLE CODES AND THE MOST CURRENT ADOPTED DESIGN MANUAL OF THE METRO WASHINGTON AIRPORTS AUTHORITY.
33. MINIMUM SIZE ELECTRICAL CONDUIT IS 1/2" AND ALL FITTINGS SHALL BE STEEL OR MALLEABLE IRON AND EMT FITTINGS SHALL BE COMPRESSION TYPE.
34. ALL PIPE RUNS SHALL BE PARALLEL AND/OR PERPENDICULAR TO THE BASE BUILDING STRUCTURAL ELEMENTS.
35. DAISY CHAINING OF NON-RECESSED LIGHTING FIXTURES IN THE CEILING IS LIMITED TO 3 UNITS PER CHAIN.
36. FLEXIBLE CONDUIT LIMITED TO 6' UNLESS OTHERWISE STATED IN THE CURRENT DM.
37. MINIMUM BREAKER SIZE IS 20 AMP UNLESS SPECIFICALLY REQUIRED BY THE MANUFACTURER TO BE LOWER.
38. 22.4.2 RECEPTACLES: DUPLEX RECEPTACLES SHALL BE RATED AT 20 AMPERES, 125 VOLTS (NEMA 5-20R CONFIGURATION) WITH SIDE WIRED, COPPER ALLOY SCREW TERMINALS. ALL EXTERIOR RECEPTACLES SHALL BE GFCI TYPES. GFCI RECEPTACLES SHALL NOT BE WIRED TO PROTECT DOWNSTREAM RECEPTACLES, EXCEPT IN INDOOR INSTALLATIONS WHERE THE DOWNSTREAM RECEPTACLES ARE IN THE SAME ROOM. RECEPTACLES SHALL BE IDENTIFIED ACCORDING TO REGULAR POWER, EMERGENCY POWER OR DATA WITH ISOLATED GROUND.
39. ALL WIRING SHALL BE INSTALLED IN CONDUIT PER DM 22.5, INCLUSIVE OF LOW VOLTAGE/CONTROL WIRING (I.E. THERMOSTATS, AUDIO, VISUAL, COMM, ETC.)
40. THE SERVICE LOAD SHALL BE BALANCED WITHIN 10% OF THE FEEDER CAPACITY.
41. TRANSFORMER(S) SHALL BE ENERGY EFFICIENT 115 DEGREE RISE.
42. TRANSFORMER(S) SHALL NOT BE INSTALLED ABOVE CEILING. TRANSFORMERS SHALL NOT BE LOCATED IN AN AREA THAT IS UNSAFE, (I.E. BELOW SHELVING OR NEAR COUNTER TOPS).
43. REMOVE ALL ABANDONED WIRING FROM CABLE TRAYS FROM THE SPACE TO THE ORIGINAL SOURCE.
44. ALL ELECTRICAL ITEMS NOT SPECIFICALLY STATED EXISTING TO REMAIN SHALL BE REMOVED TO SOURCE. NO ABANDONED CONDUITS/WIRING DM22.5.

SYMBOL LEGEND			ABBREVIATIONS
SYMBOL	DESCRIPTION	MOUNTING HEIGHT	
	480/277V PANELBOARD, SURFACE MOUNTED	78" TO TOP	A AMPERES ADA AMERICANS WITH DISABILITIES ACT AFF ABOVE FINISH FLOOR AHJ AUTHORITY HAVING JURISDICTION AHU AIR HANDLING UNIT AIC AMPERE INTERRUPTING CAPACITY ANSI AMERICAN NATIONAL STANDARDS INSTITUTE ARCH ARCHITECT AWG AMERICAN WIRE GAUGE C CONDUIT CB CIRCUIT BREAKER CBM CERTIFIED BALLAST MANUFACTURERS CKT CIRCUIT CLF CURRENT LIMITING FUSE CMS COMBINATION MOTOR STARTER & DISCONNECT SWITCH COL COLUMN CT CURRENT TRANSFORMER CU COPPER (D) DEMOLISH DWG DRAWING EC ELECTRICAL CONTRACTOR ECB ENCLOSED CIRCUIT BREAKER EF EXHAUST FAN EM EMERGENCY EMT ELECTRICAL METALLIC TUBING (E) EXISTING TO REMAIN F FUSE FA FIRE ALARM FLA FULL LOAD AMPERES FLC FLEXIBLE METAL CONDUIT GND G GROUND OR GROUNDING GRMC GALVANIZED RIGID METALLIC CONDUIT KVA KILOVOLT AMPERES KW KILOWATTS LTG LIGHTING MC METAL CLAD CABLE MCB MAIN CIRCUIT BREAKER MCC MOTOR CONTROL CENTER MCP MOTOR CIRCUIT PROTECTOR MISCMISCELLANEOUS MLO MAIN LUGS ONLY NEC NATIONAL ELECTRIC CODE NEMA NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION NFPA NATIONAL FIRE PROTECTION ASSOCIATION NTS NOT TO SCALE P POLE PB PUSH-BUTTON PNL PANEL PVC POLYVINYL CHLORIDE PWR POWER RE RELOCATED REQ'D REQUIRED (RX) RELOCATE EXISTING RMC RIGID METAL CONDUIT RMS ROOT MEAN SQUARED RNMCM RIGID NON-METALLIC CONDUIT SP SPARE SW SWITCH SYM SYMMETRICAL TEL TELEPHONE UL UNDERWRITERS LABORATORIES V VOLT W WIRE WP WEATHERPROOF XFMR TRANSFORMER
	208/120V PANELBOARD SURFACE MOUNTED	78" TO TOP	
	CONTROL PANEL/CABINET. SURFACE MOUNTED TRANSFORMER	78" TO TOP	
	120 VOLT, 3 WIRE, 20 AMP RECEPTACLE	AS INDICATED	
	120 VOLT, 3 WIRE, 20 AMP QUAD RECEPTACLE	AS INDICATED	
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP DUPLEX RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT INTERRUPTER	AS INDICATED	
	POKE THRU MULTI-SERVICE FLOOR OUTLET WITH 125 VOLT, 20 AMP DUPLEX RECEPTACLE, WIREMOLD C7ATCBs	IN FLOOR	
	120V, 20A SINGLE RECEPTACLE UNLESS NOTED OTHERWISE	AS INDICATED	
	SPECIAL RECEPTACLE - NEMA CONFIGURATIONS AS INDICATED	AS INDICATED	
	DUPLEX RECEPTACLE W/ USB CHARGER	AS INDICATED	
	A/V OUTLET FOR AUDIO EQUIPMENT. PROVIDE PLENUM-RATED SPEAKER WIRE IN CONDUIT TO CLG SPEAKERS	CEILING	
	CEILING SPEAKER FOR AUDIO SYSTEM	AS INDICATED	
	SWITCH, TOGGLE "3" DENOTES 3-WAY SWITCH AS INDICATED	AS INDICATED	
	TWO POLE TOGGLE MASTER SWITCH	AS INDICATED	
	SWITCH, "D" DENOTES DIMMER SWITCH	AS INDICATED	
	CEILING OR WALL MOUNTED JUNCTION BOX	AS INDICATED	
	TELEPHONE OUTLET WITH RJ-45 JACK WITH MIN. 1" CONDUIT TO CEILING.	AS INDICATED	
	DATA OUTLET WITH RJ-45 JACK WITH MIN. 1" CONDUIT TO CEILING. NUMERAL INDICATES NUMBER OF JACKS	AS INDICATED	
	RECESSED DOWN LIGHT (LED)	AS INDICATED	
	RECESSED MOUNTED 2 X 2 LED FIXTURE	AS INDICATED	
	LIGHT FIXTURE. LETTER DESIGNATES FIXTURE TYPE	AS INDICATED	
	DISCONNECT SWITCH WITH STARTER, NUMERAL INDICATES NEMA STARTER SIZE	AS INDICATED	
	FIRE ALARM MANUAL PULL STATION		
	WALL MOUNTED FIRE ALARM COMBINATION STROBE/AUDIO NOTIFICATION DEVICE. NUMERAL INDICATES CANDELA	AS INDICATED	
	SMOKE DETECTOR	CEILING	
	DUCT SMOKE DETECTOR	AS INDICATED	
	HEAT DETECTOR	CEILING	
	POWER PACK FOR OCCUPANCY SENSOR. ACUITY MODEL PP-20	ABOVE CEILING	
	CEILING MOUNTED SECURITY CAMERA	CEILING	
	OCCUPANCY SENSOR. ACUITY MODEL CM-24	CEILING	

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No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

ELECTRICAL
LEGENDS AND
NOTES

Project numberProject Number

Date2025-10-24

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E0.1

Scale

- L. INSTALL CONDUIT SYSTEMS COMPLETE BEFORE DRAWING IN CONDUCTORS. BLOW THROUGH AND SWAB AFTER PLASTER IS FINISHED AND DRY, AND BEFORE CONDUCTORS ARE INSTALLED.
- M. ATTACH PULL ROPES TO CONDUCTORS WITH BASKET-WEAVE GRIPS ON PULLING EYES. PULL CABLES THAT SHARE CONDUIT AT SAME TIME.
- N. PROVIDE INSERTS, HANGERS, ANCHORS AND STEEL SUPPORTS AS NECESSARY.
- O. RUN MC, FLEXIBLE METAL CONDUIT, AND/OR PLENUM RATED CABLES PARALLEL TO OR AT RIGHT ANGLES TO BUILDING LINES. SUPPORT ALL FROM STRUCTURE AND KEEP TIGHT TO BOTTOM OF STRUCTURE.
- P. BRANCH CIRCUITS SHALL HAVE DEDICATED NEUTRAL.
- Q. ALL MAIN FEEDS AND BRANCH CIRCUITS MUST HAVE SEPARATE NEUTRALS PULLED. THE MAIN FEEDS SHALL BE 5 WIRES - 3 PHASES, A NEUTRAL AND GROUND.

3.6 INSTALLATION OF LIGHT FIXTURES

- A. VERIFY CEILING CONSTRUCTIONS, AND PROVIDE FIXTURES, BALLASTS, FRAMES, RINGS AND OTHER ACCESSORIES SUITABLE FOR CONSTRUCTION ENCOUNTERED.
- B. COORDINATE INSTALLATION OF FIXTURES WITH INSTALLATION OF CEILING MATERIALS AND SUSPENSION SYSTEMS.
- C. COORDINATE THE INSTALLATION OF THE LIGHT FIXTURES WITH OTHER TRADES TO AVOID DAMAGE TO FIXTURES.
- D. INVESTIGATE LIGHTING FIXTURE LOCATIONS AND SUPPORTS TO ENSURE THAT NO INTERFERENCE EXISTS WITH HANGERS, DUCTS, SPRINKLERS, PIPES AND OTHER EQUIPMENT.
- E. PROVIDE PLASTER FRAMES FOR FIXTURES RECESSED IN GYPSUM BOARD OR PLASTER CEILING.
- F. DO NOT SUSPEND OR SUPPORT LIGHTING FIXTURES OR SAFETY CHAINS FROM HUNG CEILING, CONDUIT OR DUCT. SUPPORT FIXTURES FROM STRUCTURAL MEMBERS ONLY.
- G. CEILING MOUNTED FIXTURES SHALL BE SUPPORTED INDEPENDENT OF HUNG CEILING WITH BOW CHAIN.
- H. PROVIDE UNISTRUT BELOW DUCTS WHERE FIXTURE LOCATIONS COINCIDE WITH DUCT RUNS. PROVIDE THREADED RODS TO SUPPORT UNISTRUT.
- I. PATCH SPRAY-ON FIREPROOFING DAMAGED DURING INSTALLATION.
- J. SUPPORT SURFACE-MOUNTED LUMINAIRES AT LEAST TWO CONCEALED POINTS TO PREVENT ROTATION.
- K. MOUNTING HEIGHT OF SUSPENDE OR WALL-MOUNTED LUMINAIRES SHALL BE SHOWN ON DRAWINGS.
- L. LOCATE CEILING-MOUNTED FIXTURES AS SHOWN ON REFLECTED CEILING PLANS. LOCATE WALL AND FLOOR-MOUNTED FIXTURES AS SHOWN ON ELECTRICAL DRAWINGS.

3.6 GROUNDING

- A. PER CODE: PROVIDE JUMPERS OR BONDING CONDUCTORS WHERE RACEWAY IS ELECTRICALLY DISCONTINUOUS. PROVIDE COPPER GROUND CONDUCTOR MINIMUM #12 IN ALL 120 VOLT BRANCH CIRCUITS. EACH BRANCH CIRCUIT OR MULTI-WIRE CIRCUIT, TO HAVE A SEPARATE, DEDICATED CONDUCTOR.
- B. PROVIDE GROUND BUS AND ACCESS FLOOR GROUNDING AS INDICATED ON DRAWINGS.

3.7 PANELBOARDS

- A. PROVIDE TYPED PANEL SCHEDULES AFTER WORK IS COMPLETED ON NEW AND EXISTING PANELS THIS INCLUDES ALL PANELS SERVING THE SPACE. PLACE DIRECTORY IN CLEAR PLASTIC SLEEVE AND POSITIVELY ATTACH TO THE INSIDE OF THE PANELBOARD DOOR.
- B. PROVIDE TERMINAL STRIPS IN EXISTING PANELS TO ACCOMMODATE THE INCREASE IN NEUTRAL AND GROUND WIRES.
- C. PROVIDE NEW CIRCUIT BREAKERS OF TYPE AND SHORT CIRCUIT RATING TO MATCH EXISTING WHERE REQUIRED TO SUPPLEMENT EXISTING QUANTITY. PROVIDE "HACR" RATED CIRCUIT BREAKERS FOR HVAC EQUIPMENT INSTALLED IN CEILING PLENUMS.
- D. PROVIDE A CD OF A PDF FILE OF ALL PANEL DIRECTORIES AFFECTED BY PROJECT AND SUBMIT AT COMPLETION OF PROJECT.

3.8 FIRE PROOFING

- A. MAINTAIN THE INTEGRITY OF NEW AND EXISTING FIRE WALLS. USE FIRE BARRIER CAULK 3M COMPANY OR APPROVED EQUAL.

3.9 FIRE ALARM

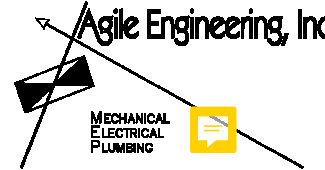
- A. RE/PROGRAMMING OF FIRE ALARM DEVICES REQUIRES A SECONDARY SUBMISSION.
- B. FIRE ALARM OUTAGES REQUIRE 72 HOURS ADVANCE NOTICE TO FACILITIES ENGINEERING DIVISION.
- C. TENANT TO SUBMIT SIX (6) SETS SIGNED/SEALED FULL SIZE FIRE ALARM SHOP DRAWINGS AND CALCULATION, INCLUDING DEVICE CUT SHEETS, ROOM NUMBERS AND BUILDING NUMBERS MUST BE INCLUDED ON FIRE ALARM SHOP DRAWINGS.
- D. COORDINATE WITH SIEMENS FOR ANY MODIFICATION TO EMS CONNECTION.

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No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

ELECTRICAL
SPECIFICATIONS



Project number	Project Number
Date	2025-10-24
Drawn by	Author
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E0.3

Scale

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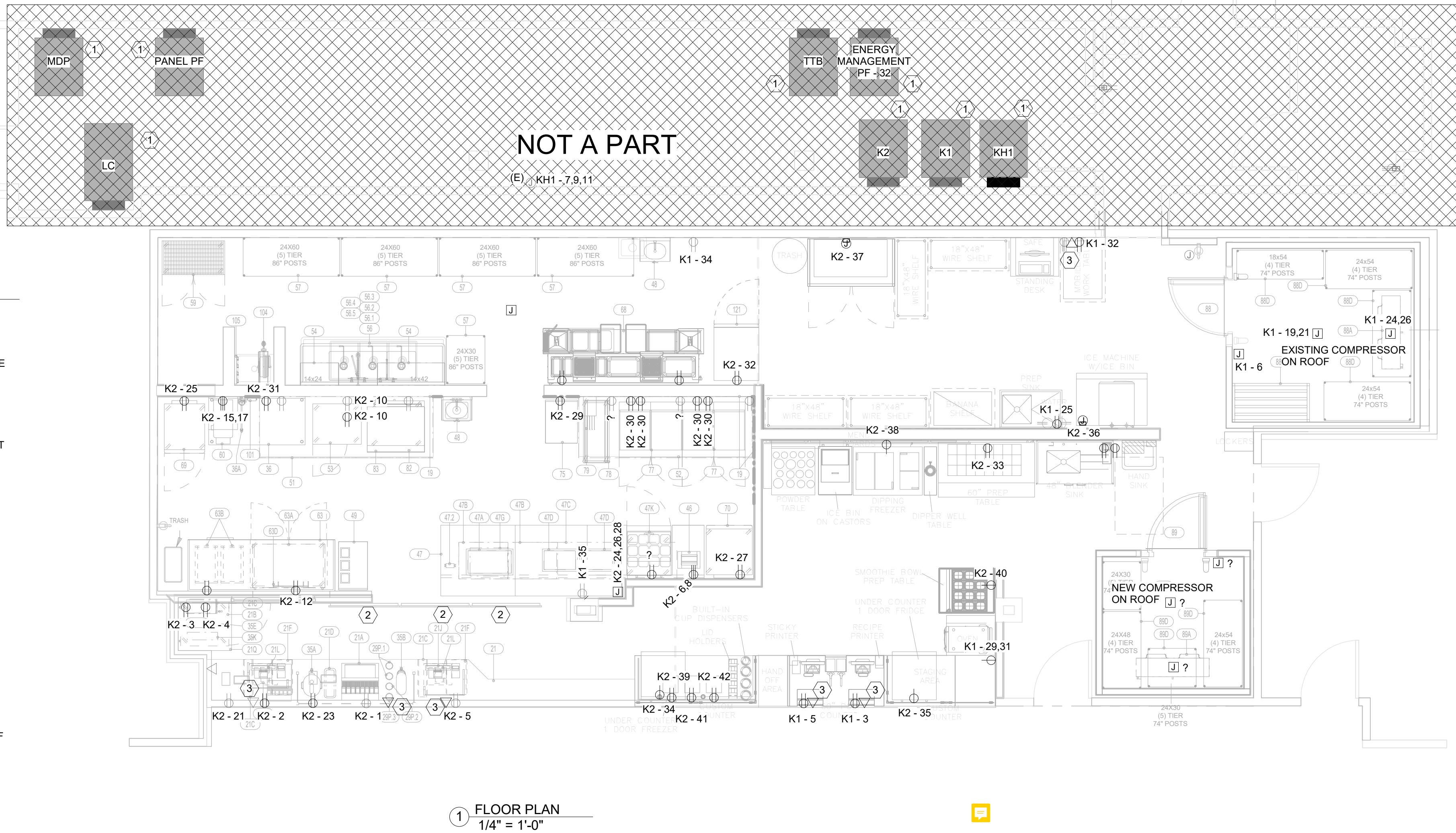
No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

ELECTRICAL POWER PLANS

Project number	Project Number
Date	2025-10-24
Drawn by	Author
Checked by	Checker

E1.0

Scale	1/4" = 1'-0"
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SHEET GENERAL NOTES

- SEE ARCHITECTURAL AND FOOD SERVICE PLANS, ELEVATIONS, DETAILS AND SPECIFICATION FOR ELECTRICAL EQUIPMENT LOCATIONS AND HEIGHTS. COORDINATE EXACT LOCATION IN FIELD PRIOR TO INSTALLATION.
- LOCATION AND INSTALLATION HEIGHT OF ALL WALL DEVICES TO BE COORDINATE WITH MILLWORK IN ALL LOCATIONS.
- THE CONTRACTOR SHALL NOT CORE DRILL CONCRETE SLABS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE STRUCTURAL ENGINEER AND THE BUILDING OWNER.
- CONTRACTOR TO RADIOGRAPH PROBABLE CORE DRILL LOCATIONS TO PREVENT CUTTING CONCEALED RE-BARS AND/OR CONDUIT IN CONCRETE MASS.
- NO ELECTRICAL CORDS ARE ALLOWED TO PENETRATE WALLS, MILLWORK, OR CEILING PANELS. ALL ELECTRICAL OUTLETS MUST BE READILY ACCESSIBLE PER CODE. FOR INSTANCE, THEY ARE NOT PERMITTED TO BE INSTALLED ABOVE THE CEILING OR DIRECTLY BEHIND MILLWORK THAT DOES NOT HAVE WHEELS.
- ALL WIRING SHALL BE INSTALLED IN CONDUIT PER DM 22.5, INCLUSIVE OF LOW VOLTAGE/CONTROL WIRING (I.E. THERMOSTATS, AUDIO, VISUAL, COMM. ETC.)
- THE USE OF SO CORDS IS PROHIBITED IN MILLWORK.
- THE MINIMUM SIZE CONDUIT FOR VOICE/DATA IS 1" ALL COMMUNICATIONS DEVICES REQUIRE 1" CONDUIT TO COMMUNICATIONS DEMARCATION.
- TENANT TO PROVIDE ACCESSIBLE 12" X 12" JUNCTION BOX IN SPACE IF NONE EXISTS.
- FIRE ALARM SHOP DRAWINGS ARE REQUIRED IF THERE ARE ANY DEVICES ADDED OR REMOVED WITH THE PROJECT. FIRE ALARM SHOP DRAWINGS MAY BE REQUIRED.
- ALL RECEPTACLE COVER PLATES, INCLUDING MULTI-OUTLET RACEWAY RECEPTACLES, SHALL BE IDENTIFIED AS TO PANEL AND CIRCUIT NUMBER; THIS INFORMATION SHALL BE IDENTIFIED ON THE COVER PLATE EXTERIOR BY MEANS OF A PRINTED LABEL. LABEL SHALL BE TRANSLUCENT OR CLEAR POLYESTER, WATERPROOF, AND SCRATCH PROOF.
- NEW TEL/DATA OUTLETS SHALL BE CAT 6.
- REFER TO KITCHEN DRAWINGS FOR SYMBOLS, ABBREVIATION, GENERAL SPECIFICATIONS, DETAILS AND OTHER INFORMATION REQUIREMENTS AND INSTRUCTIONS.
- RECEPTACLES, DISCONNECTS AND ELECTRICAL SERVICES FOR KITCHEN EQUIPMENT SHOWN IN THIS PLAN ARE BASED ON KITCHEN DRAWINGS. COORDINATE EXACT LOCATIONS AND HEIGHTS WITH KITCHEN DRAWINGS AND EQUIPMENT'S ELECTRICAL REQUIREMENTS FOR FINAL LAYOUT PRIOR TO INSTALLATION.
- PROVIDE SPECIAL RECEPTACLES TO MATCH WITH EQUIPMENT PLUG. COORDINATE WITH KITCHEN EQUIPMENT PRIOR TO INSTALLATION.
- SEE KITCHEN DRAWINGS FOR EXACT LOCATION OF KITCHEN EQUIPMENT.
- TRANSFORMERS SHALL NOT BE INSTALLED ABOVE CEILING. TRANSFORMERS SHALL NOT BE LOCATED IN AN AREA THAT IS UNSAFE, (I.E. BELOW SHELVING OR NEAR COUNTER TOPS.), AND SHALL BE INSTALLED WITHIN THE TENANT SPACE.
- THE CONTRACTOR SHALL FURNISH THE FOLLOWING
 - FIRE ALARM INSTALLER CERTIFICATION NUMBER:
 - FIRE ALARM INSTALLER NAME:
- THE FACP SHALL BE RETURNED TO NORMAL OPERATING CONDITIONS AT THE END OF EACH DAY.
- ALL REQUIRED FIRE ALARM DEVICES AND THEIR LOCATIONS ON PLAN, SHALL CONFORM TO THE MOST CURRENT ADOPTED DESIGN MANUAL.
- FIRE ALARM OUTAGES REQUIRE 72 HOURS ADVANCE NOTICE TO FACILITIES ENGINEERING DIVISION.
- PROVIDE SEPARATION OF CLASS 1,2,3, CIRCUITS FOR POWER AND COMMUNICATION/DATA CIRCUITS PER NEC 725.136.
- ALL ABANDONED COMMUNICATIONS WIRING WILL REQUIRE REMOVAL FROM PIPE, AND/OR CABLE TRAYS IN THEIR ENTIRETY.
- ALL PRE-WIRED CABINETRY, MILLWORK, FIXTURE, ETC. SHALL BE INSPECTED AND LISTED AT THE POINT OF MANUFACTURING.
- ALL REUSED EQUIPMENT MUST BE PROFESSIONALLY SERVICED AND CLEANED AND BROUGHT UP TO CURRENT CODE REQUIREMENTS.
- ALL TENANT UTILITIES ASSOCIATED WITH THE LEASE SPACE OUTSIDE OF THE ENVELOPE OF THE LEASE SPACE SHALL BE LABELED WITH THE SPACE NUMBER AND CURRENT TENANTS NAME AT EVERY JUNCTION BOX OR SUPPORT. WHERE THE UTILITY PENETRATES A STRUCTURE, IT SHALL BE LABELED AT THE ENTRY AND EXIT POINTS OF THE WALL, CEILING, OR FLOOR STRUCTURE.
- ALL SINGLE PHASE RECEPTACLES RATED 125 VOLTS TO GROUND, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND SHALL HAVE G.F.C.I PROTECTION WHETHER OR NOT IT SERVES THE COUNTER TOP, PER NEC 210.8 (B) (2). ALL GFCI CIRCUITS SHALL BE BY BREAKER, NOT BY RECEPTACLE. ALL RECEPTACLES IN THE KITCHEN SHALL BE GFCI.

SHEET KEYNOTES (POWER):

- SPACE SURROUNDING ELECTRICAL EQUIPMENT SHALL CONFORM TO ARTICLE 110 NEC.
- TV POWER AND RJ45 TO BE MOUNTED AT "AFF. TERMINATE ALL DATA LINES AND CONDUITS AT DATA RACK IN BOH.
- ALL CAT 6 WIRES TO TERMINATE IN IT DATA ENCLOSURE

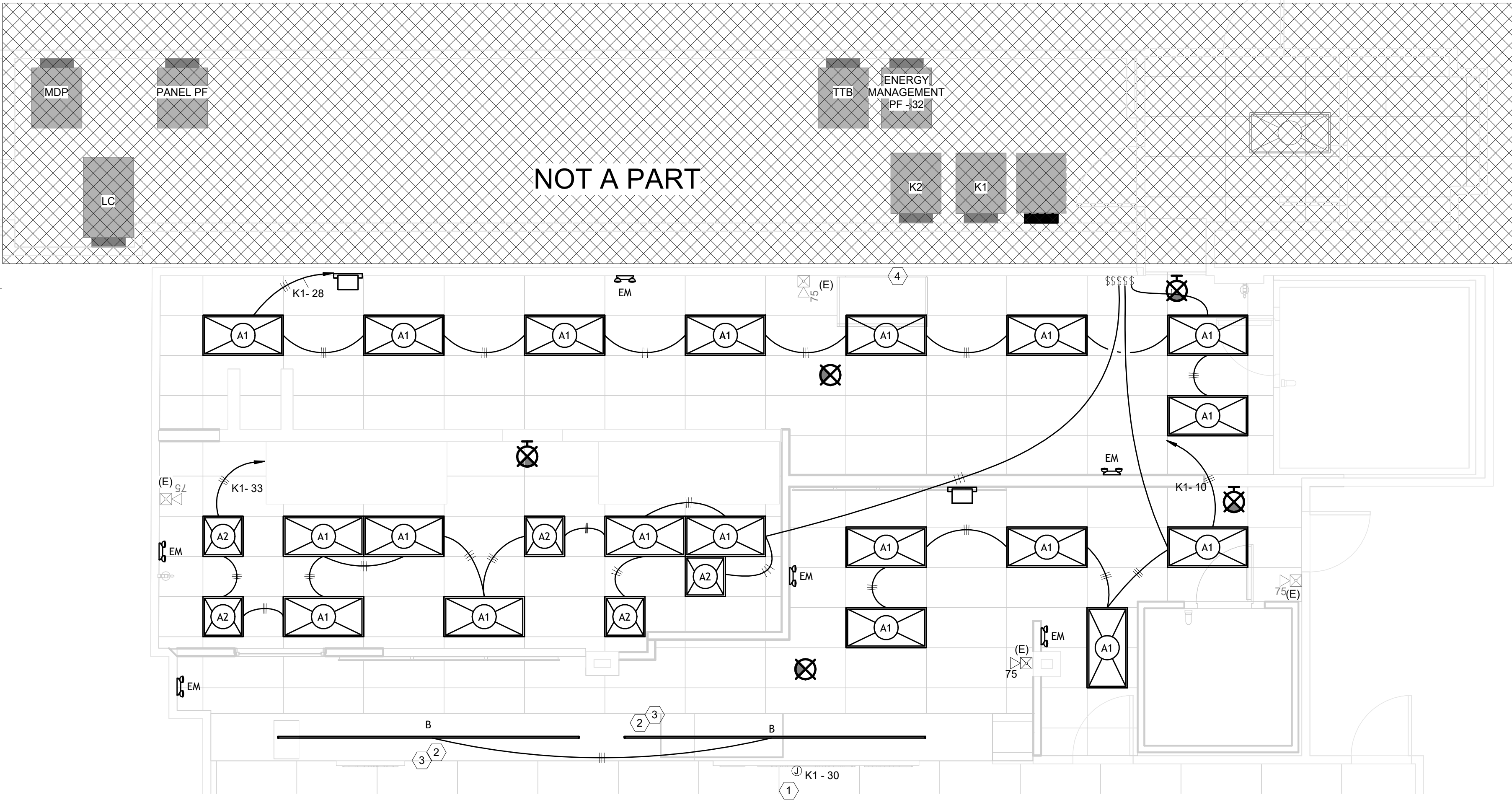
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7. THE USE OF SO CORDS IS PROHIBITED IN MILLWORK.
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9. TENANT TO PROVIDE ACCESSIBLE 12" X 12" JUNCTION BOX IN SPACE IF NONE EXISTS.
10. FIRE ALARM SHOP DRAWINGS ARE REQUIRED IF THERE ARE ANY DEVICES ADDED OR REMOVED WITH THE PROJECT. FIRE ALARM SHOP DRAWINGS MAY BE REQUIRED.
11. ALL RECEPTACLE COVER PLATES, INCLUDING MULTI-OUTLET RACEWAY RECEPTACLES, SHALL BE IDENTIFIED AS TO PANEL AND CIRCUIT NUMBER; THIS INFORMATION SHALL BE IDENTIFIED ON THE COVER PLATE EXTERIOR BY MEANS OF A PRINTED LABEL. LABEL SHALL BE TRANSLUCENT OR CLEAR POLYESTER, WATERPROOF, AND SCRATCH PROOF.
12. NEW TEL/DATA OUTLETS SHALL BE CAT 6.
13. REFER TO KITCHEN DRAWINGS FOR SYMBOLS, ABBREVIATION, GENERAL SPECIFICATIONS, DETAILS AND OTHER INFORMATION REQUIREMENTS AND INSTRUCTIONS.
14. RECEPTACLES, DISCONNECTS AND ELECTRICAL SERVICES FOR KITCHEN EQUIPMENT SHOWN IN THIS PLAN ARE BASED ON KITCHEN DRAWINGS. COORDINATE EXACT LOCATIONS AND HEIGHTS WITH KITCHEN DRAWINGS AND EQUIPMENT'S ELECTRICAL REQUIREMENTS FOR FINAL LAYOUT PRIOR TO INSTALLATION.
15. PROVIDE SPECIAL RECEPTACLES TO MATCH WITH EQUIPMENT PLUG. COORDINATE WITH KITCHEN EQUIPMENT PRIOR TO INSTALLATION.
16. SEE KITCHEN DRAWINGS FOR EXACT LOCATION OF KITCHEN EQUIPMENT.
17. TRANSFORMERS SHALL NOT BE INSTALLED ABOVE CEILING. TRANSFORMERS SHALL NOT BE LOCATED IN AN AREA THAT IS UNSAFE, (IE. BELOW SHELVING OR NEAR COUNTER TOPS.), AND SHALL BE INSTALLED WITHIN THE TENANT SPACE.
18. THE CONTRACTOR SHALL FURNISH THE FOLLOWING

1. FIRE ALARM INSTALLER CERTIFICATION NUMBER;

2. FIRE ALARM INSTALLER NAME;
19. THE FACP SHALL BE RETURNED TO NORMAL OPERATING CONDITIONS AT THE END OF EACH DAY.
20. ALL REQUIRED FIRE ALARM DEVICES AND THEIR LOCATIONS ON PLAN, SHALL CONFORM TO THE MOST CURRENT ADOPTED DESIGN MANUAL.
21. FIRE ALARM OUTAGES REQUIRE 72 HOURS ADVANCE NOTICE TO FACILITIES ENGINEERING DIVISION.
22. PROVIDE SEPARATION OF CLASS 1,2,3, CIRCUITS FOR POWER AND COMMUNICATION/DATA CIRCUITS PER NEC 725.136.
23. ALL ABANDONED COMMUNICATIONS WIRING WILL REQUIRE REMOVAL FROM PIPE, AND/OR CABLE TRAYS IN THEIR ENTIRETY.
24. ALL PRE-WIRED CABINETRY, MILLWORK, FIXTURE, ETC. SHALL BE INSPECTED AND LISTED AT THE POINT OF MANUFACTURING.
25. ALL REUSED EQUIPMENT MUST BE PROFESSIONALLY SERVICED AND CLEANED AND BROUGHT UP TO CURRENT CODE REQUIREMENTS.
26. ALL TENANT UTILITIES ASSOCIATED WITH THE LEASE SPACE OUTSIDE OF THE ENVELOPE OF THE LEASE SPACE SHALL BE LABELED WITH THE SPACE NUMBER AND CURRENT TENANTS NAME AT EVERY JUNCTION BOX OR SUPPORT. WHERE THE UTILITY PENETRATES A STRUCTURE, IT SHALL BE LABELED AT THE ENTRY AND EXIT POINTS OF THE WALL, CEILING, OR FLOOR STRUCTURE.
27. ALL SINGLE PHASE RECEPTACLES RATED 125 VOLTS TO GROUND, 50 AMPERES OR LESS AND THREE-PHASE RECEPTACLES RATED 150 VOLTS TO GROUND SHALL HAVE G.F.C.I. PROTECTION WHETHER OR NOT IT SERVES THE COUNTER TOP, PER NEC 210.8 (B) (2). ALL GFCI CIRCUITS SHALL BE BY BREAKER, NOT BY RECEPTACLE. ALL RECEPTACLES IN THE KITCHEN SHALL BE GFCI.



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

SHEET KEYNOTES (LIGHTING):

- 1 FOR SIGNAGE CONNECTIONS. PROVIDE A TOGGLE SWITCH AT EACH SIGN LOCATION FOR MEANS OF DISCONNECTING. ELECTRICAL CONTRACTOR TO COORDINATE WITH SIGNAGE CONTRACTOR. ALSO REFER TO APPROVED SIGNAGE SHOP DRAWINGS. SEE ELEVATION FOR EXACT LOCATION. PROVIDE HOUSING AND ACCESS FOR LED DRIVER.
- 2 ALL LED LIGHTING TO BE 0-10V
- 3 ALL LED LIGHTING TO HAVE DIMMERS. DIMMERS SHALL BE COMPATIBLE WITH LIGHTING.
- 4 EXISTING FIRE ALARM JUNCTION BOX. RELOCATE BOX IF REQUIRED TO ACCOMMODATE NEW CONSTRUCTION

LIGHTING FIXTURE SCHEDULE											
Mark	Image	Description	Count	Manufacturer	Model	Lamp	Wattage	Comments	Vendor	Furnished	Installed
A1		TROFFER PANEL - 2X4	40	TCP	2X4 TROFFER, 39W, 3000K, COLOR: WHITE, TCP-DTF4UZD3930K	LED	39 W		LIGHTLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM	GC	GC
A2		TROFFER PANEL - 2X2	5	TCP	2X2 TROFFER, 29W, 3000K, COLOR: WHITE, TCP-DTF2UZD2930K	LED	29 W		LIGHTLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM	GC	GC
B		LINEAR LIGHT	2	PURE EDGE	CCDS-7W-1R-36"-30K-BK, 93", 3000K, DIMMABLE	LED	144 W			GC	GC
E2		EXISTING TROFFER PANEL - 2X2	2	EXISTING	EXISTING	LED	EXISTING		LIGHTLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM	EXISTING	EXISTING
E4		EXISTING TROFFER PANEL - 2X4	1	EXISTING	EXISTING	LED	EXISTING		LIGHTLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM	EXISTING	EXISTING
EM		Emergency Lighting Emergency Unit	6	RAB Lighting	EM-_-_-_-_-	LED					

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FOOD - BEVERAGE - RETAIL
550 MEADOWLANDS PARKWAY
SECAUCUS, NEW JERSEY, 07094

Agile Engineering, Inc.
MECHANICAL
ELECTRICAL
PLUMBING
4277 PARK GREEN CT
FARIFAX, VA 22033

OWNER:
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Bojangles.

SMOOTHIE
King.

NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

ELECTRICAL
LIGHTING PLANS

Project number		Project Number
Date		2025-10-24
Drawn by		Author
Checked by		Checker

E1.1

Scale 1/4" = 1'-0"

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No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

DEMOLITION POWER
PLAN

Project number

Project Number

Date

2025-10-24

Drawn by

Author

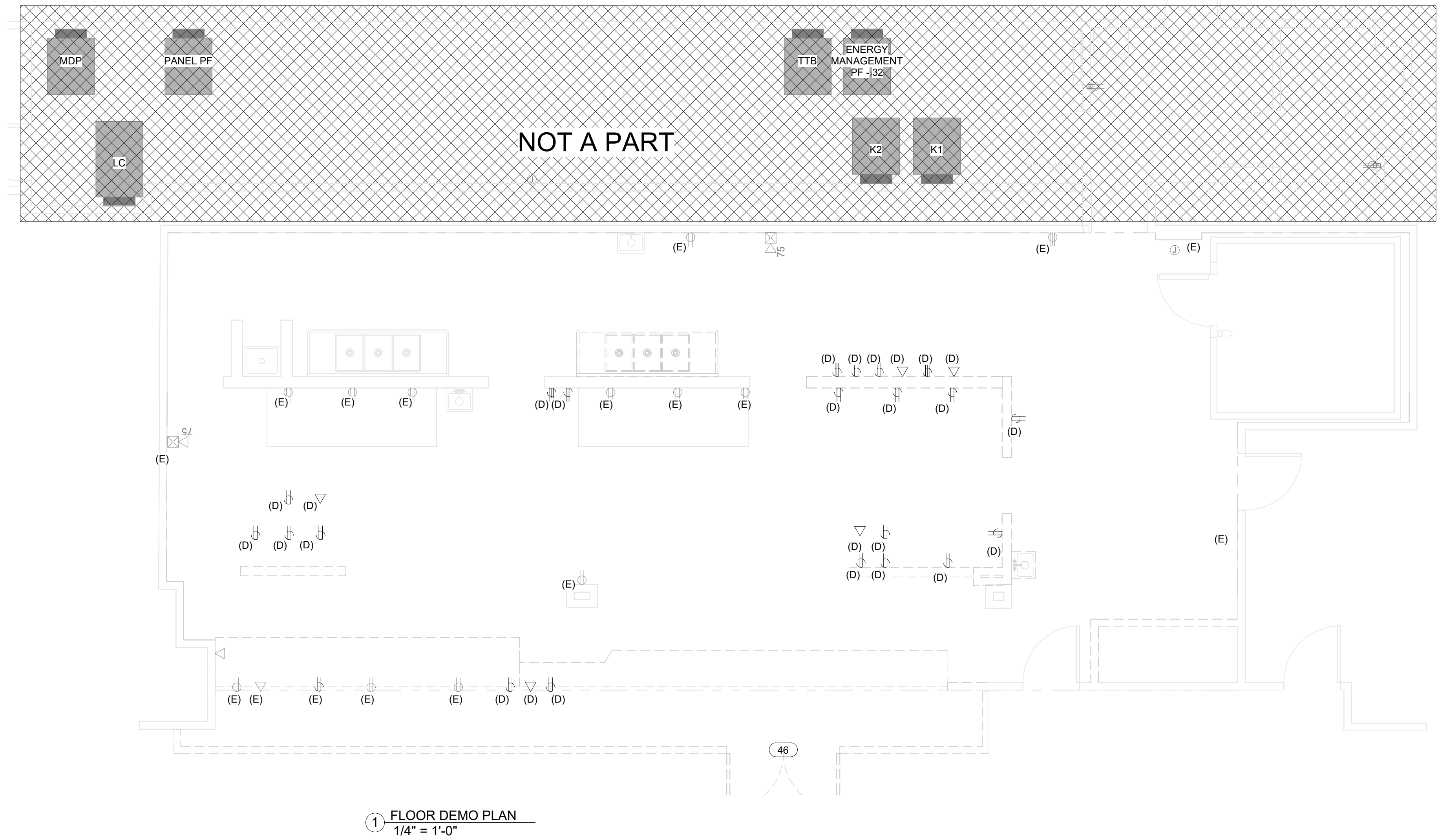
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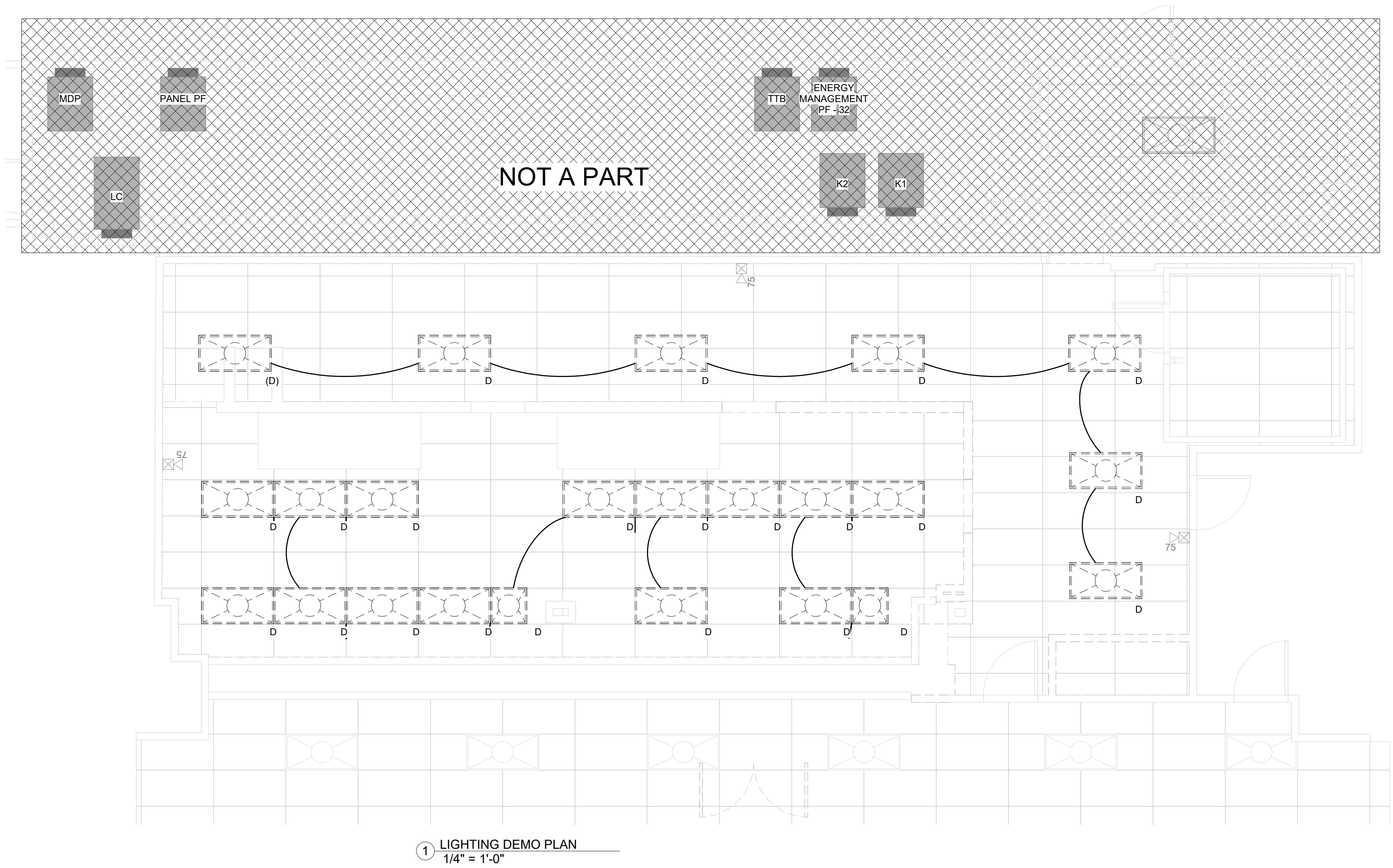
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Scale

1/4" = 1'-0"





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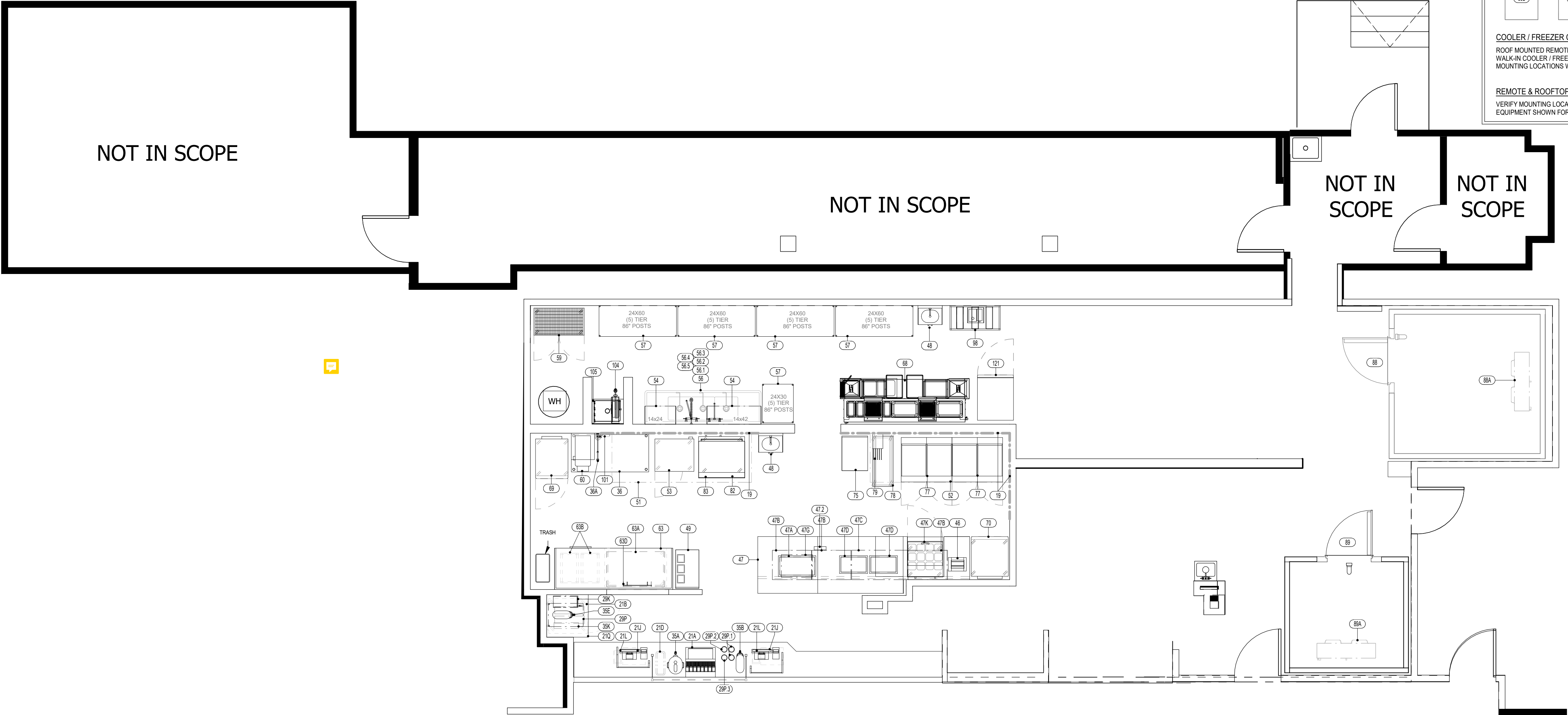
No.	Description	Date

DEMOLITION
LIGHTING PLAN

Project number	Project Number
Date	2025-10-24
Drawn by	Author
Checked by	Checker

ED1.1

Scale	1/4" = 1'-0"
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FOODSERVICE EQUIPMENT PLAN

1/4" = 1'-0"

FOODSERVICE EQUIPMENT SCHEDULE				
ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL
10-18	1	SPARE NUMBER		
19	3	S/S WALL PANELING	FECO STAINLESS	CUSTOM
20	1	SPARE NUMBER		
21	1	FRONT COUNTER	EAGLE	CUSTOM
21A	1	DROP-IN ICE AND SODA DISPENSER	BY VENDOR	-
21B	1	REFRIGERATOR, UNDERCOUNTER	HOSHIZAKI	UR27B
21D	1	FUTURE - BEVERAGE DISPENSER, ELECTRIC (COLD)	(FUTURE) VOLLRATH	VBBD1-37-S
21J	2	POS SYSTEM	BY OTHERS	-
21L	2	CASH BOX	AMERICAN SECURITY	TB0610-2
21Q	1	FRONT COUNTER EXTENSION	EAGLE	CUSTOM
29K	1	COFFEE BREWER	BUNN (BY VENDOR)	-
29P	1	CUP AND LID DISPENSER OVERSHELF	EAGLE	YBOJ-CUPLDWAL-18-0001
29P.1	2	CUP DISPENSER	SAN JAMAR	C2410C
29P.2	1	LID DISPENSER	VOLLRATH	LS03PVB
29P.3	1	LID DISPENSER	VOLLRATH	LS03IBV
30-34	2	SPARE NUMBER		
35A	1	ICED TEA DISPENSER	BUNN	TDO-5 34100.0001
35B	1	ICED TEA DISPENSER	BUNN	TDO-N-3.5
35E	1	ICE COFFEE DISPENSER	WINCO	SSB0-3
35K	1	SYRUP DISPENSER HOLDER	BADGER WELDING	CUSTOM
36	1	WORK TABLE	EAGLE	CUSTOM
36A	1	POT FILLER	T&S BRASS	B-0592-CR
37-45	1	SPARE NUMBER		
46	1	CONTACT TOASTER	ANTUNES	VCTM-2-9210943
47	1	POWERLINE COUNTER	EAGLE	YBOJ-PVPRCTR-XXXX
47.2	1	TIMER	KITCHEN BRAINS	TRACK 2X4
47A	1	STATION, DROP IN	MARSHALL AIR	CZ3K-14ACBOJ
47B	3	HOLDING CABINET, THERMOGLO	MARSHALL AIR	DH50A-444BDSBOJ
47C	1	CHICKEN HOLDING CABINET	MARSHALL AIR	DH5SA-444BDSBOJ
47D	2	HOLDING PAN	MARSHALL AIR	CZ3K-1ACWC
47G	1	HEAT LAMP	MARSHALL AIR	BM189520Y120
47K	1	SANDWICH REFRIGERATOR	TURBO AIR	TST-28SD-12-N
48	2	HAND SINK	EXISTING TO REMAIN	-

FOODSERVICE EQUIPMENT SCHEDULE				
ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL
49	1	DREDGE TABLE	EAGLE	CUSTOM
50B	1	SUPPLY FAN (ON ROOF)	EXISTING TO REMAIN	-
51	1	EXHAUST HOOD (GRILL)	EXISTING TO REMAIN	-
51B	1	EXHAUST FAN (ON ROOF)	EXISTING TO REMAIN	-
52	1	EXHAUST HOOD (FRY)	EXISTING TO REMAIN	-
52A	1	EXHAUST FAN (ON ROOF)	EXISTING TO REMAIN	-
53	1	DOUBLE CONVECTION OVEN, GAS	BLODGETT	DFG-50-DOUBLE
53B	2	QUICK DISCONNECT (NOT SHOWN)	DORMONT	1650 KITS48
54	6	WIRE WALL SHELVING	METRO	SEE FLOOR PLAN
55	1	SPARE NUMBER		
56	1	3-COMPARTMENT SINK	EXISTING TO REMAIN	-
56.1	1	WALL / SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR
56.2	1	PRE-RINSE FAUCET ASSEMBLY	T&S BRASS	B-0133-CRBSTKIT-MODIFIED
56.3	1	WALL BRACKET	T&S BRASS	B-0109-3
56.4	1	ADD ON FAUCET, FOR PRE RINSE FAUCET	T&S BRASS	B-0156-CR
56.5	3	LEVER WASTE	T&S BRASS	B-3940
57	5	DRY STORAGE SHELVING	METRO	SEE FLOOR PLAN
58	1	SPARE NUMBER		
59	1	SECURITY CAGE	METRO	INM-SECURITYCAGE
60	1	HOT WATER DISPENSER W/ BUILT IN FILTER AND SHELF	HATCO	AWD-12BQJSHLF
61-62	1	SPARE NUMBER		
63	1	BAKERS TABLE	EAGLE	CUSTOM
63A	1	BAKER'S TABLE TOP	MAPLETEX	CUSTOM
63B	2	BUN PAN RACK	SPG	APR1013
63D	1	ROLLING PIN HOLDER	EAGLE	CUSTOM
64	1	SPARE NUMBER		
65	1	UNDERCOUNTER REFRIGERATOR	HOSHIZAKI	UR48B
66-67	1	SPARE NUMBER		
68	1	BREADER / BLENDER / SIFTER	AYRKING	BBSU3515 / IB9315B241T
69	1	REFRIGERATOR/FREEZER DUAL TEMP	TURBO AIR	M3RF19-2-N
70	1	FREEZER, REACH IN	TURBO AIR	M3F24-1-N
71-74	1	SPARE NUMBER	EAGLE	CUSTOM
75	1	FRYER BASKET RACK, MOBILE	CHANNEL	FBR-18

FOODSERVICE EQUIPMENT SCHEDULE				
ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL
76B	1	QUICK DISCONNECT HOSE (NOT SHOWN)	DORMONT	1612SKITS48
77	2	FRYER, GAS	PITCO	SSH75-2FD
77A	1	QUICK DISCONNECT HOSE (NOT SHOWN)	DORMONT	1612SKITS48
78	1	BUNN CART	EAGLE	CUSTOM
79	1	BACKET/LID HOLDER	EAGLE	CUSTOM
80-81	1	SPARE NUMBER	EAGLE	CUSTOM
82	1	GRIDDLE, GAS, COUNTERTOP	WELLS	WG-3036G
82A	1	QUICK DISCONNECT HOSE (NOT SHOWN)	DORMONT	1617SKITS48
83	1	CHEF BASE	TURBO AIR	TCBE-36SDR-N6
84-87	1	SPARE NUMBER		
88	1	WALK-IN COOLER	EXISTING TO REMAIN	-
88A	1	COOLER EVAPORATOR COIL	EXISTING TO REMAIN	-
88B	1	COOLER CONDENSER (ON ROOF)	EXISTING TO REMAIN	-
89	1	WALK-IN FREEZER	EXISTING TO REMAIN	-
89A	1	FREEZER EVAPORATOR COIL	EXISTING TO REMAIN	-
89B	1	FREEZER CONDENSER (ON ROOF)	EXISTING TO REMAIN	-
90-97	1	SPARE NUMBER		
98	1	SODA SYSTEM	BY VENDOR	-
99	1	SPARE NUMBER		
100	1	SPARE NUMBER		
101	1	TIMER	FAST	Z020120KRHF
102-103	1	SPARE NUMBER		
104	1	HOSE REEL	T&S BRASS	5HR-242-01-GH
105	1	MOP HOLDER	EAGLE	CUSTOM
106-120	1	SPARE NUMBER		
121	1	REFRIGERATOR, THAWING	ELECTROLUX	725448

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REVISIONS

DATE	NO.	DESCRIPTION

BOJANGLES
NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

PRELIMINARY

DATE: 12/16/2025 PROJECT #: 25.2633

DRAWN BY: DB APPROVED BY: JH

SHEET TITLE:

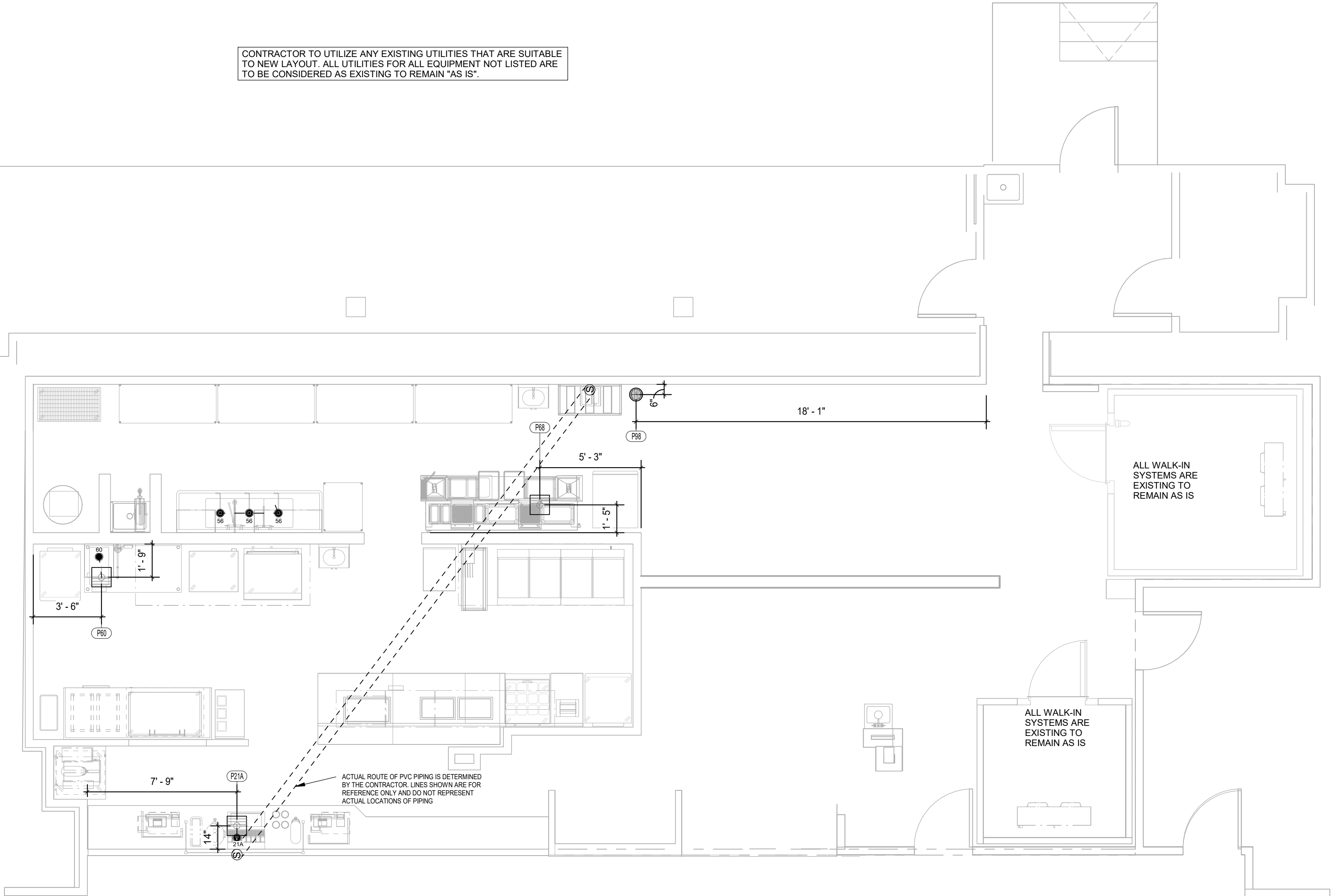
FOODSERVICE EQUIPMENT PLAN

SHEET NUMBER:

QF101

FOODSERVICE EQUIPMENT PLUMBING (BELOW SLAB) REQUIREMENTS SCHEDULE						
ITEM #	QTY	DESCRIPTION	DIRECT		INDIRECT	PLUMBING REMARKS (BELOW SLAB)
			SIZE	HGT AFF	SIZE	
P21A	1	DROP-IN ICE AND SODA DISPENSER			3/4"	RUN DRAIN LINE TO FLOOR SINK; VERIFY PLUMBING REQUIREMENTS WITH VENDOR
P60	1	HOT WATER DISPENSER W/ BUILT IN FILTER AND SHELF			3/4"	RUN DRAIN LINE TO FLOOR SINK
P68	1	BREADER / BLENDER / SIFTER			1"	MANFOLD AND RUN DRAIN LINE TO FLOOR SINK; REFER TO MANUFACTURER DRAWINGS FOR PLUMBING REQUIREMENTS
P98	1	SODA SYSTEM			1 1/2"	VERIFY PLUMBING REQUIREMENTS AND SODA LINE CONDUITS WITH VENDOR; RUN DRAIN LINE TO FLOOR DRAIN

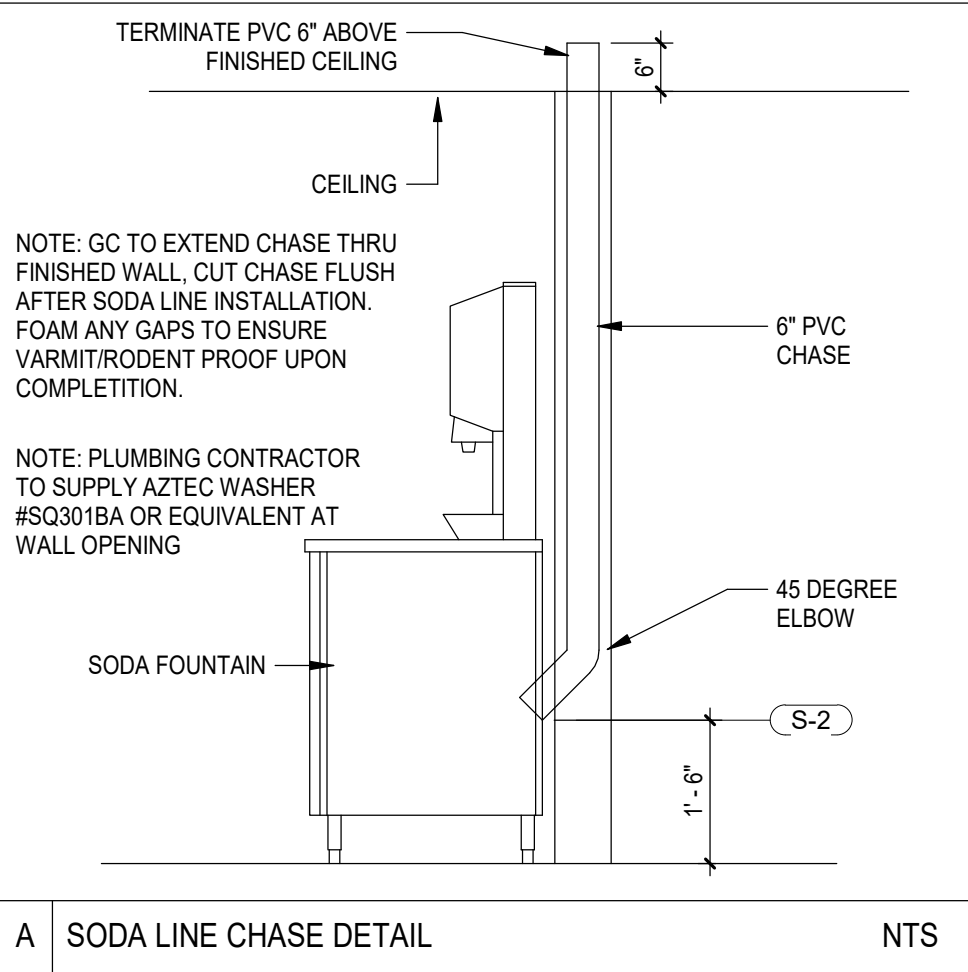
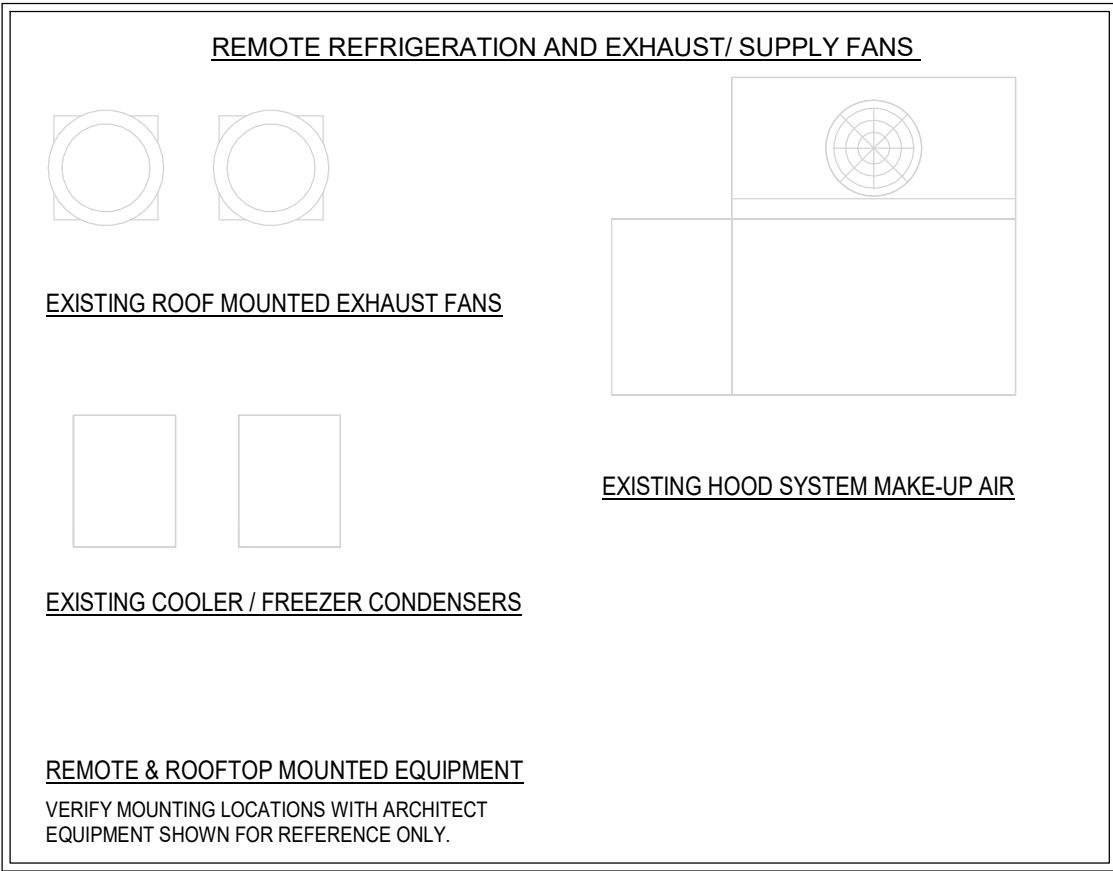
CONTRACTOR TO UTILIZE ANY EXISTING UTILITIES THAT ARE SUITABLE TO NEW LAYOUT. ALL UTILITIES FOR ALL EQUIPMENT NOT LISTED ARE TO BE CONSIDERED AS EXISTING TO REMAIN "AS IS".



FOODSERVICE PLUMBING IN-SLAB ROUGH-IN PLAN

1/4" = 1'-0"

PLUMBING LEGEND	
	COLD WATER
	HOT WATER
	DIRECT WASTE
	FLOOR DRAIN
	FLOOR SINK - HALF GRATE
	FUNNEL FLOOR DRAIN
	HUB FLOOR DRAIN
	GAS DROP FROM MANIFOLD
	PIPING STUB UP
	FILTERED WATER
	BEVERAGE CONDUIT STUB UP
	SODA LINE FIELD CONNECTION ROUTE, CONCEALED IN WALL, FLOOR, OR CEILING



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REVISIONS

DATE	NO.	DESCRIPTION
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NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

PRELIMINARY

DATE:	PROJECT #:
12/16/2025	25.2633
DRAWN BY:	APPROVED BY:
DB	JH

SHEET TITLE:

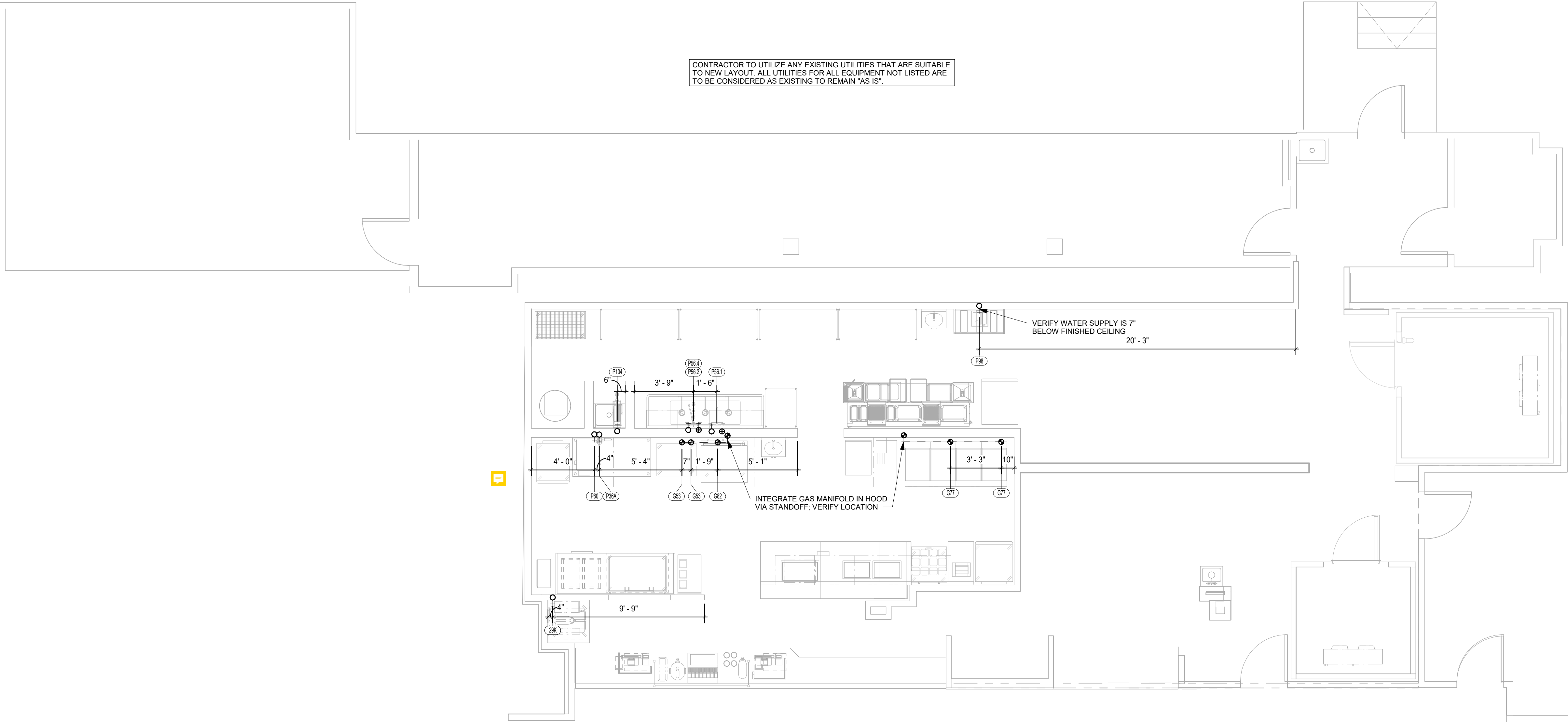
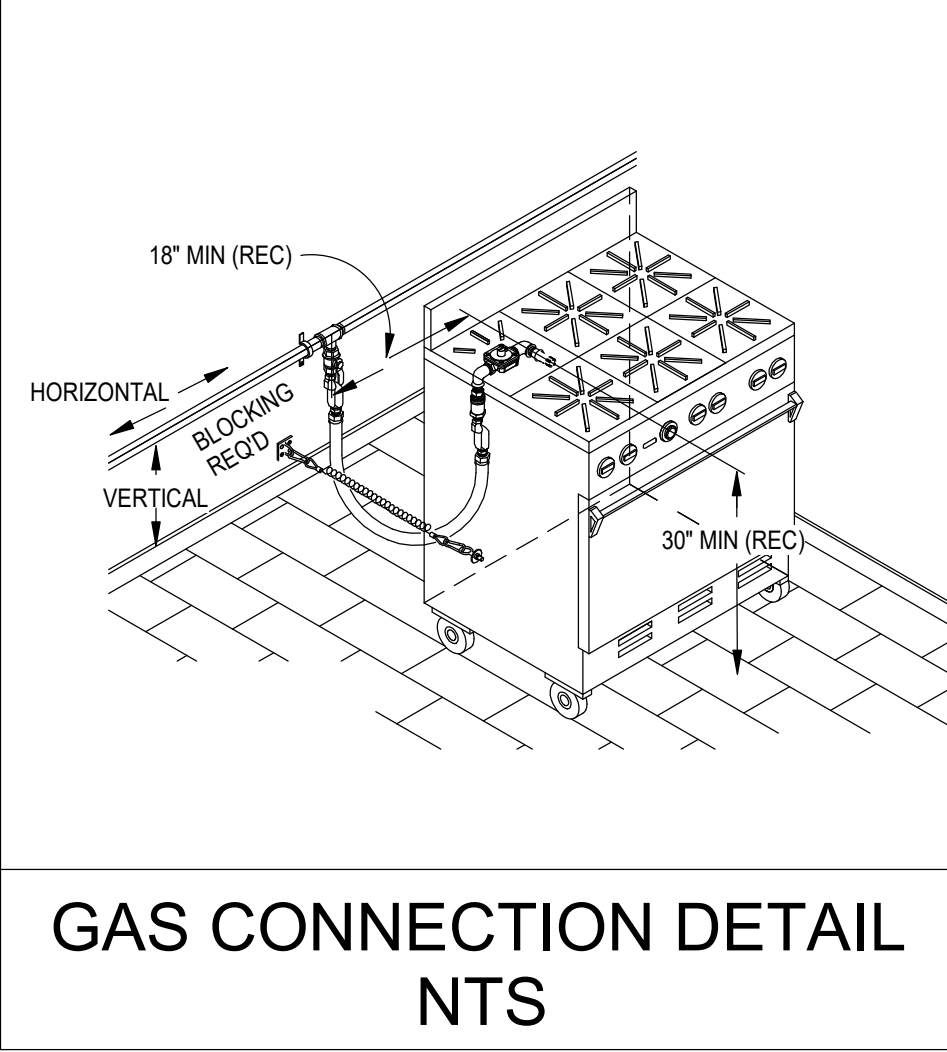
FOODSERVICE
PLUMBING IN-SLAB
ROUGH-IN PLAN

SHEET NUMBER:

QF201

FOODSERVICE EQUIPMENT PLUMBING (ABOVE SLAB) REQUIREMENTS SCHEDULE									
ITEM #	QTY	DESCRIPTION	HOT WATER		COLD WATER		GAS		PLUMBING REMARKS (ABOVE SLAB)
			SIZE	HGT AFF	SIZE	HGT AFF	SIZE	MBTU	
P29K	1	COFFEE BREWER			1/2"	48"			VERIFY PLUMBING REQUIREMENTS WITH VENDOR
P36A	1	POT FILLER			1"	48"			
P53	1	DOUBLE CONVECTION OVEN, GAS					1/2"	27.5	(2) GAS CONNECTIONS; BRANCH TO CONNECTION WITH QUICK DISCONNECT HOSE
P56.1	1	WALL / SPLASH MOUNT FAUCET	1/2"	18"	1/2"	18"			
P56.2	1	PRE-RINSE FAUCET ASSEMBLY	1/2"	18"	1/2"	18"			
P56.4	1	ADD ON FAUCET, FOR PRE RINSE FAUCET			1/2"	18"			
P60	1	HOT WATER DISPENSER W/ BUILT IN FILTER AND SHELF			1/2"	72"			BRANCH TO CONNECTION THRU WATER FILTER
P77	2	FRYER, GAS					3/4"	105.0	BRANCH TO CONNECTION WITH QUICK DISCONNECT HOSE
P82	1	GRIDDLE, GAS, COUNTERTOP					3/4"	75.0	BRANCH TO CONNECTION WITH QUICK DISCONNECT HOSE
P98	1	SODA SYSTEM			1/2"				VERIFY PLUMBING REQUIREMENTS WITH VENDOR; VERIFY WATER SUPPLY IS 7" BELOW FINISHED CEILING
P104	1	HOSE REEL			1/2"	72"			

PLUMBING LEGEND	
	COLD WATER
	HOT WATER
	DIRECT WASTE
	FLOOR DRAIN
	FLOOR SINK - HALF GRATE
	FUNNEL FLOOR DRAIN
	HUB FLOOR DRAIN
	GAS DROP FROM MANIFOLD
	PIPING STUB UP
	FILTERED WATER
	BEVERAGE CONDUIT STUB UP
	SODA LINE FIELD CONNECTION ROUTE, CONCEALED IN WALL, FLOOR , OR CEILING



FOODSERVICE PLUMBING ABOVE SLAB ROUGH-IN PLAN

1/4" = 1'-0"

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Foodservice Equipment, Supplies and Design

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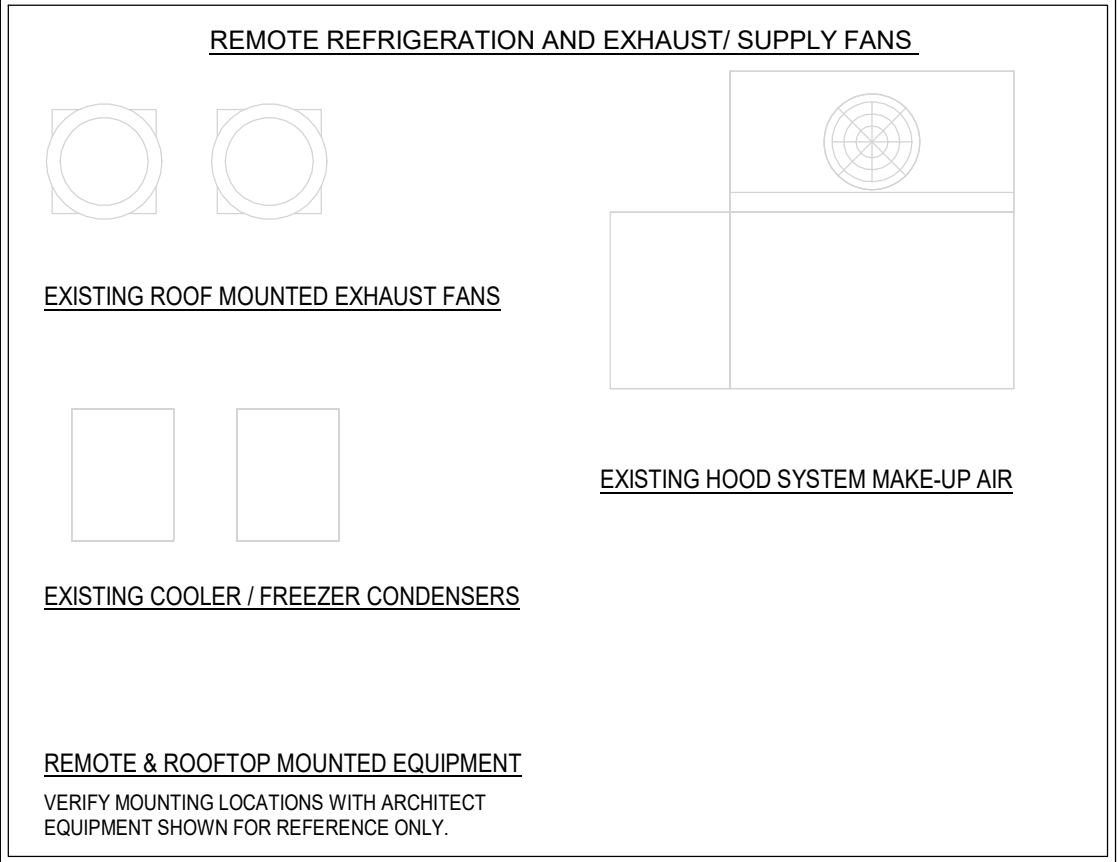
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REVISIONS		
DATE	NO.	DESCRIPTION
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BOJANGLES

NORFOLK, VA - NAVAL BASE

PROJECT PHASE:	
PRELIMINARY	
DATE:	PROJECT #:
12/16/2025	25.2633
DRAWN BY:	ROVED BY:
DB	JH
SHEET TITLE:	
FOODSERVICE PLUMBING ABOVE SLAB ROUGH-IN PLAN	
SHEET NUMBER:	
QF202	





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DATE	NO.	DESCRIPTION
		

BOJANGLES

NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

PRELIMINARY

<u>DATE:</u>	<u>PROJECT #:</u>
12/16/2025	25.2633

<u>DRAWN BY:</u> DB	<u>APPROVED BY:</u> JH
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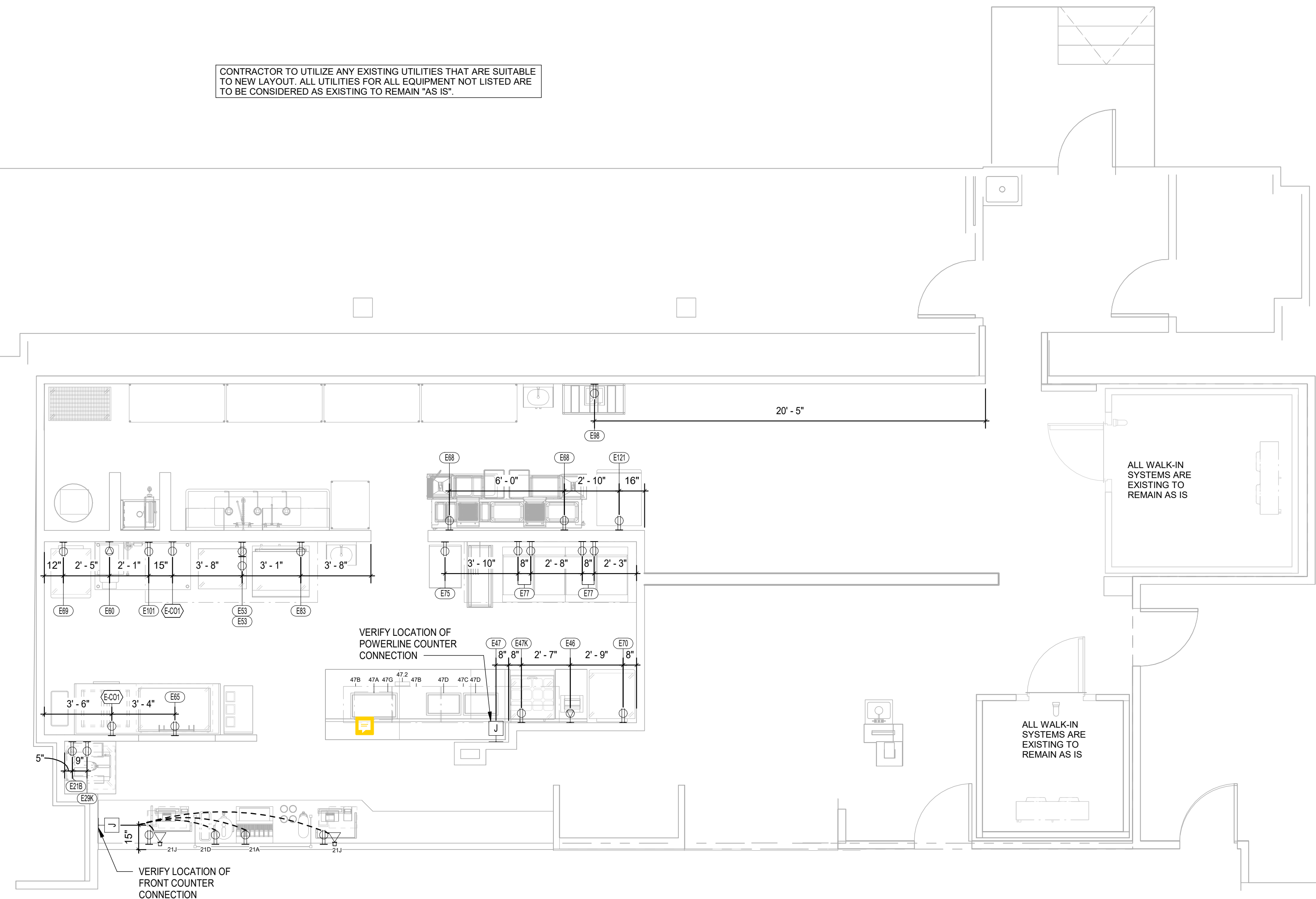
SHEET TITLE:

FOODSERVICE ELECTRICAL ROUGH-IN PLAN

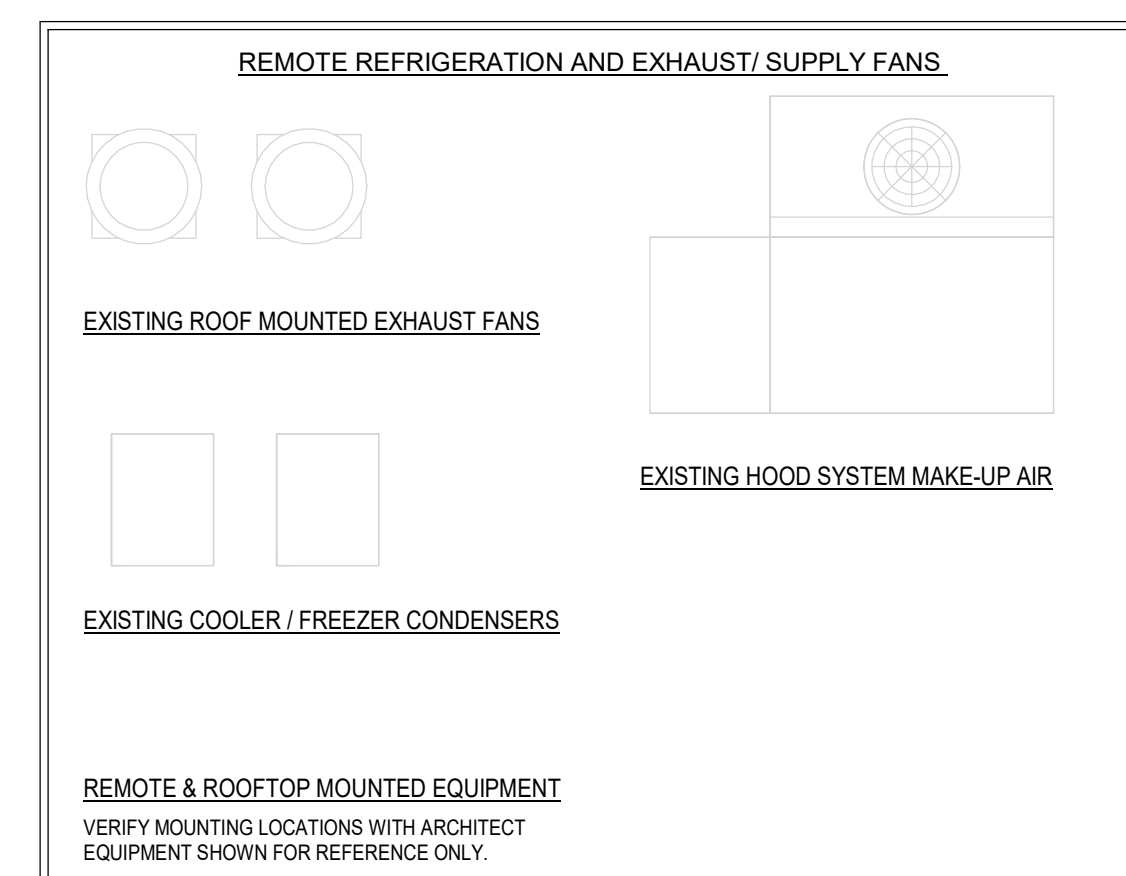
SHEET NUMBER:

QF301

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FOODSERVICE ELECTRICAL ROUGH-IN PLAN

$$1/4" = 1'-0"$$


ELECTRICAL LEGEND

	DUPLEX RECEPTACLE
	GFCI RECEPTACLE
	WEATHERPROOF RECEPTACLE
	SINGLE RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	FLUSH FLOOR MOUNT RECEPTACLE
	JUNCTION BOX - CEILING MOUNTED
	JUNCTION BOX - WALL MOUNTED
	SWITCH
	DATA CONNECTION
	DROP CORD MOUNTED FROM CEILING
	CONDUIT STUB LOCATION
	DISCONNECT
	LIGHT - RECTANGULAR
	LIGHT - ROUND
	MOTOR

REFER TO QF302 FOR
ELECTRICAL SCHEDULES

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FOODSERVICE ELECTRICAL SCHEDULE											
ITEM #	QTY	DESCRIPTION	ELECTRICAL						RI HEIGHT		REMARKS
			VOLTS	PH	KW	HP	AMPS	TYPE	NEMA		
E21	1	FRONT COUNTER									
E21A	1	DROP-IN ICE AND SODA DISPENSER	120	1			20.00	C&P	5-20P		VERIFY ELECTRICAL REQUIREMENTS WITH VENDOR; EC TO CONNECT TO FRONT COUNTER, ITEM 21
E21B	1	REFRIGERATOR, UNDERCOUNTER		1	0.31	1/6	2.70	Plug	5-15P		EC TO CONNECT TO FRONT COUNTER, ITEM 21
E21D	1	FUTURE - BEVERAGE DISPENSER, ELECTRIC (COLD)	120	1			2.60	C&P	5-15P		EC TO CONNECT TO FRONT COUNTER, ITEM 21
E21J	2	POS SYSTEM	120	1			20.00	C&P	5-20P		VERIFY ELECTRICAL REQUIREMENTS WITH OTHERS; EC TO CONNECT TO FRONT COUNTER, ITEM 21
E29K	1	COFFEE BREWER	120	1	1.80		15.00	C&P	5-20P	54"	VERIFY ELECTRICAL REQUIREMENTS WITH VENDOR
E46	1	CONTACT TOASTER	208	1	3.10		14.90	C&P	6-20P	54"	
E47	1	POWERLINE COUNTER	120/208	3			125.00	DIRECT		24"	VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER DRAWINGS; EC TO MAKE FINAL CONNECTIONS AS NECESSARY
E51	1	EXHAUST HOOD (GRILL)	120	1			20.00	DIRECT			VERIFY ELECTRICAL REQUIREMENTS WITH HOOD SHOP DRAWINGS; DFA FOR LIGHTS AND SWITCHES
E52	1	EXHAUST HOOD (FRY)	120	1			20.00	DIRECT			VERIFY ELECTRICAL REQUIREMENTS WITH HOOD SHOP DRAWINGS; DFA FOR LIGHTS AND SWITCHES
E53	1	DOUBLE CONVECTION OVEN, GAS	120	1		1/2	5.00	C&P	5-15P		(2) ELECTRICAL CONNECTIONS: (1) AT 30" AFF, (1) AT 60" AFF
E60	1	HOT WATER DISPENSER W/ BUILT IN FILTER AND SHELF	208/240	1	5.00		24.00	C&P	6-30P	54"	
E65	1	UNDERCOUNTER REFRIGERATOR				1/5	3.00	C&P	5-15P	24"	
E68	1	BREADER / BLENDER / SIFTER	115/230	1			2.30	C&P	VFY	30"	(2) ELECTRICAL CONNECTIONS; REFER TO MANUFACTURER DRAWINGS FOR ELECTRICAL REQUIREMENTS
E69	1	REFRIGERATOR/FREEZER DUAL TEMP	120	1	0.55	3/8	4.80	C&P	5-15P	84"	
E70	1	FREEZER, REACH IN		1	0.51	3/8	4.40	C&P	5-15P	84"	
E75	1	FRYER BASKET RACK, MOBILE	120	1			10.80	C&P	5-15P	30"	VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER DRAWINGS; (2) AMP AND PLUG PER FOODWARMER; MAX RATING OF FRANCH CIRCUIT FUSE: 15A
E77	2	FRYER, GAS		1	0.08		0.70	C&P	5-15P	24"	ELECTRICAL CONNECTION FOR FILTER AND CONTROL, REFER TO MANUFACTURER DRAWINGS
E88	1	WALK-IN COOLER	120	1			20.00	DIRECT			DFA FOR LIGHTS AND ACCESSORIES; ELECTRICIAN TO WIRE AND INSTALL ADDITIONAL LIGHTING
E88B	1	COOLER CONDENSER (ON ROOF)	208/230	3			9.10	DIRECT			15 AMP MAX. FUSE SIZE; VERIFY ELECTRICAL REQUIREMENTS WITH WALK-IN SHOP DRAWINGS; VERIFY LOCATION OF UNIT
E89	1	WALK-IN FREEZER	120	1			20.00	DIRECT			DFA FOR LIGHTS AND ACCESSORIES; ELECTRICIAN TO WIRE AND INSTALL ADDITIONAL LIGHTING
E89B	1	FREEZER CONDENSER (ON ROOF)	208/230	3			11.00	DIRECT			20 AMP MAX. FUSE SIZE; VERIFY ELECTRICAL REQUIREMENTS WITH WALK-IN SHOP DRAWINGS; VERIFY LOCATION OF UNIT
E98	1	SODA SYSTEM	120	1			20.00	C&P	5-20P	30"	VERIFY ELECTRICAL REQUIREMENTS WITH VENDOR
E101	1	TIMER	120	1				C&P	VERIFY	78"	VERIFY ELECTRICAL RI HEIGHT WITH OWNER
E121	1	REFRIGERATOR, THAWING	120	1	1.42		12.30	C&P	5-20P		

CONVENIENCE OUTLET SCHEDULE						
ITEM #	QTY	DESCRIPTION	ELECTRICAL			REMARKS
			VOLTS	PH	AMP	
E-C01	2	CONVENIENCE OUTLET	120	1	20.00	48" VERIFY QTY & LOCATIONS WITH OWNER

ELECTRICAL CONNECTIONS AT POWER LINE COUNTER											
ITEM #	QTY	DESCRIPTION	ELECTRICAL								REMARKS
			VOLTS	PH	KW	HP	AMPS				
E47 2	1	TIMER	120	1							CONNECT TO LOAD CENTER IN POWERLINE
E47A	1	STATION, DROP IN	208	1			11.00				SITS ON POWERLINE AND CONNECTS TO LOAD CENTER. VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER DRAWINGS
E47B	3	HOLDING CABINET, THERMOGLO	208	1			16.50				SITS ON POWERLINE AND CONNECTS TO LOAD CENTER. VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER DRAWINGS
E47C	1	CHICKEN HOLDING CABINET	208	1			22.00				SITS ON POWERLINE AND CONNECTS TO LOAD CENTER. VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER DRAWINGS
E47D	2	HOLDING PAN	120	1			11.80				SITS ON POWERLINE AND CONNECTS TO LOAD CENTER. VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER DRAWINGS
E47G	1	HEAT LAMP	120	1			11.70				ON POWERLINE AND CONNECTS TO LOAD CENTER. VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER DRAWINGS
E47K	1	SANDWICH REFRIGERATOR	120	1			3.80				SITS ON POWERLINE AND CONNECTS TO LOAD CENTER. VERIFY ELECTRICAL REQUIREMENTS WITH MANUFACTURER DRAWINGS



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REVISIONS

DATE	NO.	DESCRIPTION

BOJANGLES
NORFOLK, VA - NAVAL BASE

PROJECT PHASE: PRELIMINARY	
DATE: 12/16/2025	PROJECT #: 25.2633
DRAWN BY: DB	APPROVED BY: JH

SHEET TITLE: FOODSERVICE ELECTRICAL ROUGH-IN SCHEDULES

SHEET NUMBER: QF302

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BOJANGLES

NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

PRELIMINARY

DATE:	12/16/2025	PROJECT #:	25.2633
DRAWN BY:	DB	APPROVED BY:	JH

SHEET TITLE:

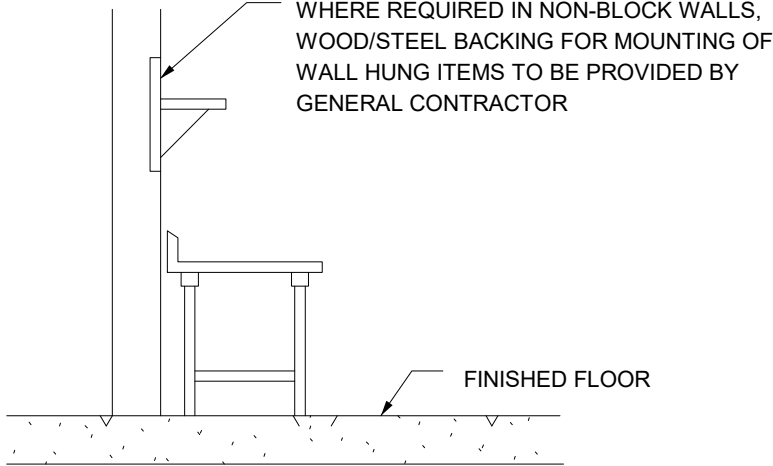
FOODSERVICE
SPECIAL CONDITIONS
PLAN

SHEET NUMBER:

QF401

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SPECIAL CONDITIONS LEGEND
--- WALL BLOCKING
--- PROPOSED STRUCTURAL SUPPORT

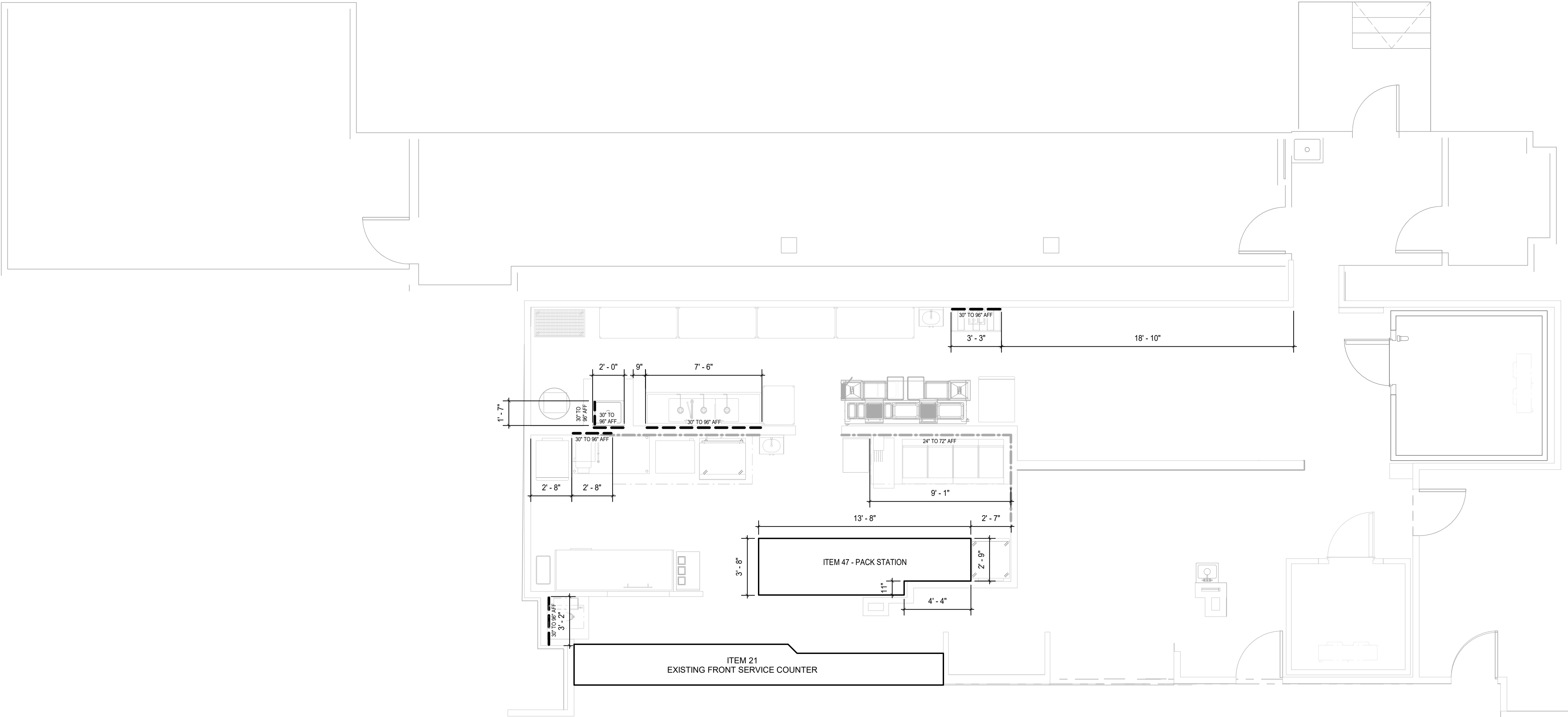


TRIMARK FOODCRAFT RECOMMENDS WALL BACKING FOR ENTIRE KITCHEN WHERE NO BLOCK/BRICK WALLS EXIST. WALL BACKING SHOWN ON THIS DRAWING INDICATES WHERE WALL BACKING IS REQUIRED FOR WALL HUNG ITEMS PROVIDED FOR THIS PROJECT. CHECK WITH OWNER FOR OTHER WALL HUNG ITEMS NOT SHOWN HERE. TRIMARK FOODCRAFT IS NOT RESPONSIBLE FOR INDICATING WALL BACKING FOR ITEMS NOT PROVIDED BY TRIMARK FOODCRAFT.

TYPICAL WALL BACKING DETAIL

NOT TO SCALE

WHERE WOOD BACKING IS NOT ALLOWED BY CODE, PROVIDE MINIMUM 16 GAUGE STEEL PLATING FOR BACKING



FOODSERVICE SPECIAL CONDITIONS PLAN

1/4" = 1'-0"

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12/16/2025

PROJECT #:

25.2633

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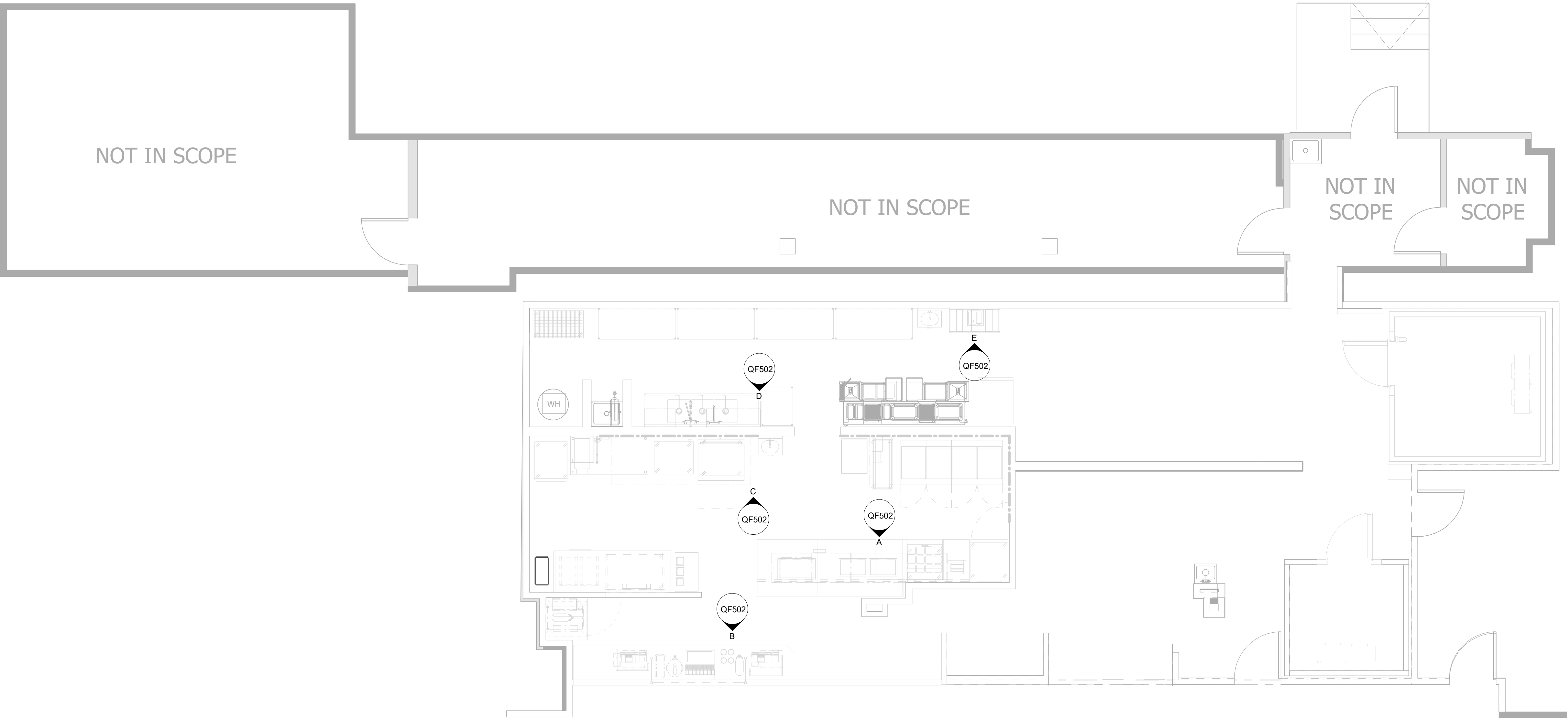
JH

SHEET TITLE:

FOODSERVICE KEY
ELEVATION PLAN

SHEET NUMBER:

QF501



FOODSERVICE ELEVATION KEY PLAN

1/4" = 1'-0"

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NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

PRELIMINARY

<u>DATE:</u> 12/16/2025	<u>PROJECT #:</u> 25.2633
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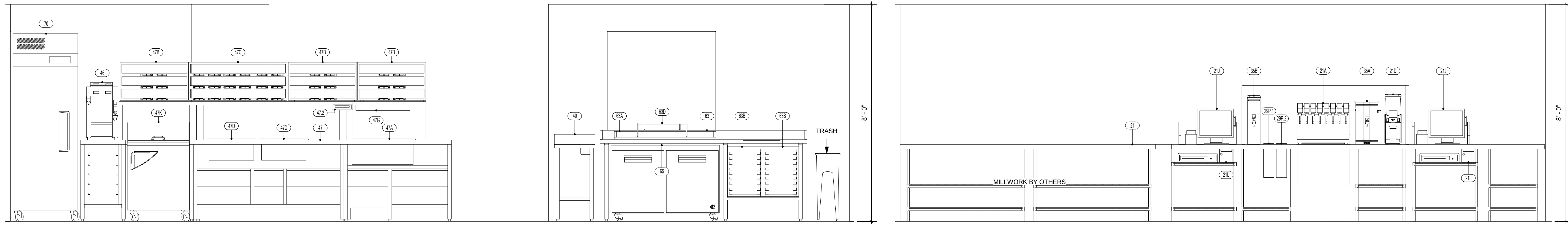
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FOODSERVICE
ELEVATIONS

SHEET NUMBER:

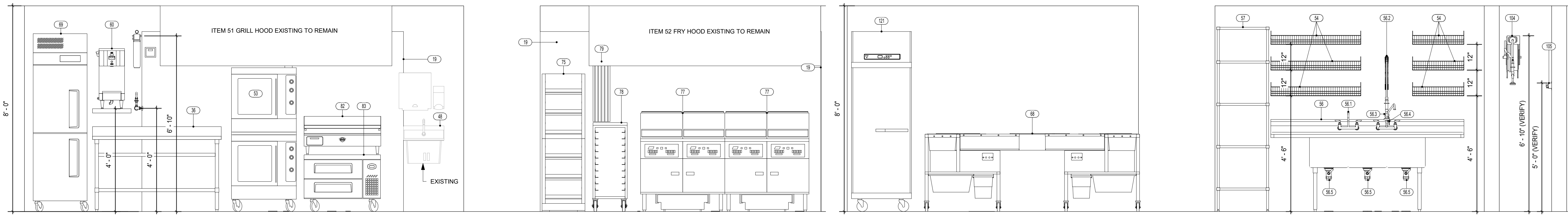
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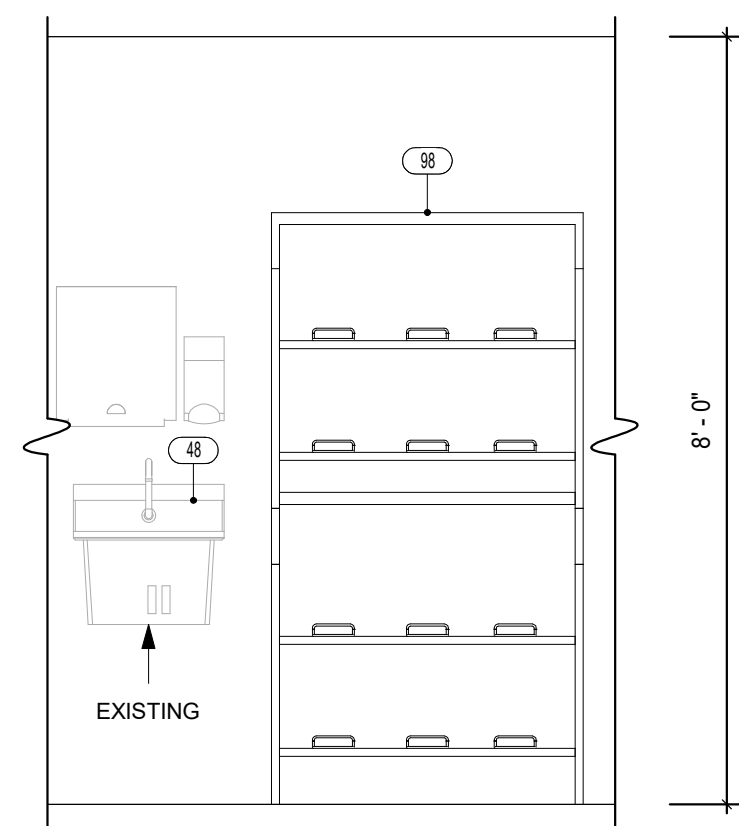
(A) POWERLINE COUNTER ELEVATION & BAKING CENTER PREP TABLE
1/2" = 1'-0"

(B) FRONT COUNTER
1/2" = 1'-0"



(C) GRILL HOOD LINE & FRYER HOOD LINE
1/2" = 1'-0"

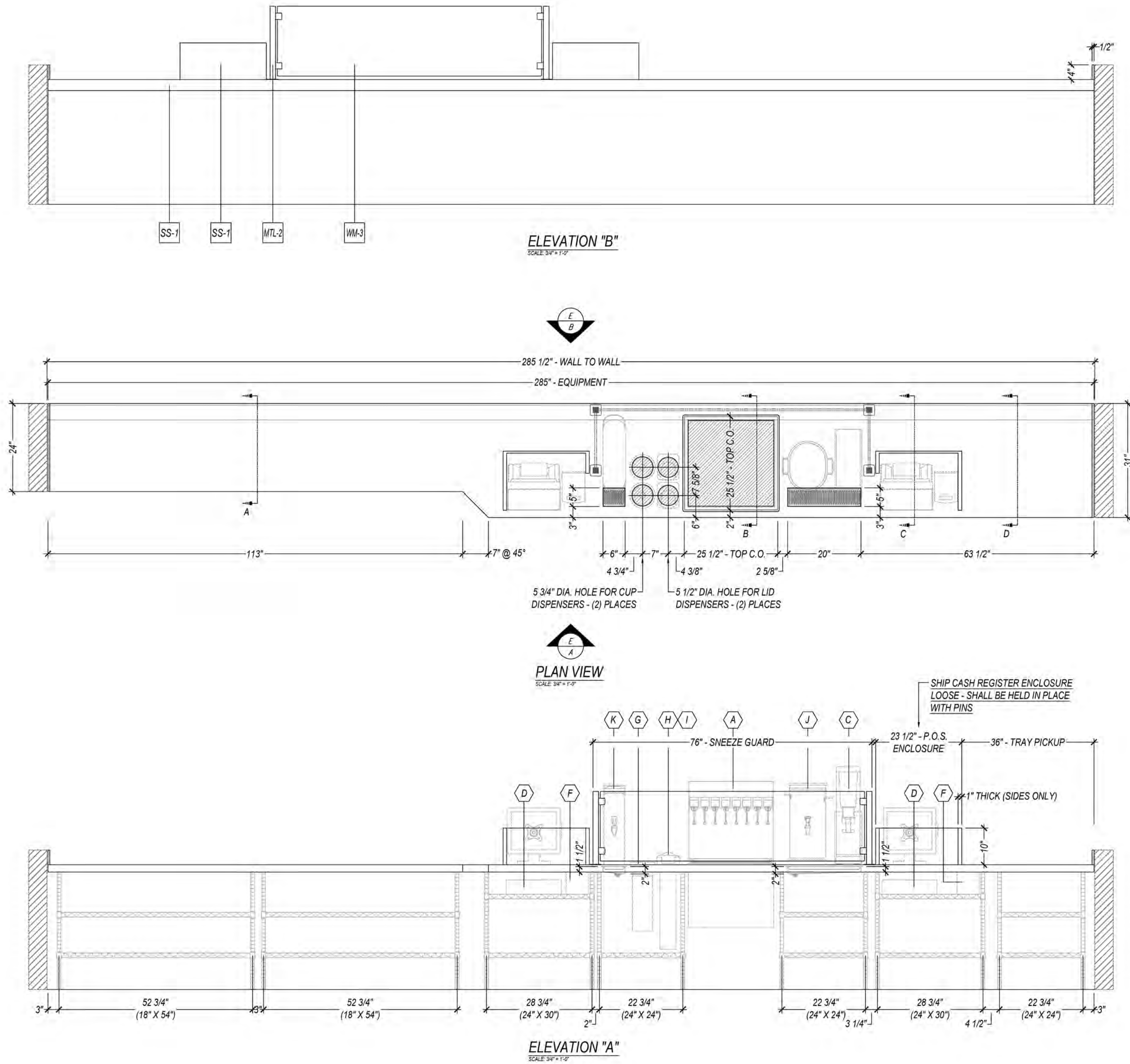
(D) BREADER & THREE COMPARTMENT SINK AREA
1/2" = 1'-0"



(E) HAND SINK & BIB SODA SYSTEM
1/2" = 1'-0"

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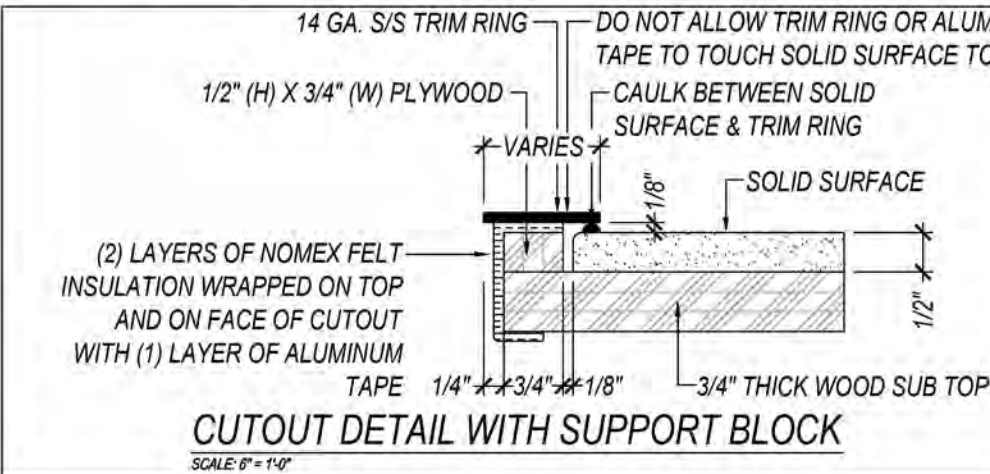
NTS; FOR REFERENCE ONLY



GENERAL NOTES		
PART #	PARTS & MATERIALS LIST	QTY.
	► TOP: 1/2" THICK SOLID SURFACE (SEE DECOR PACKAGE FOR COLOR)	
	• SUB-TOP: 3/4" THICK PLYWOOD	
	• TRIM RING: 12/3 S/S	
	► CASH REGISTER ENCLOSURE: 1/2" THICK SOLID SURFACE (TO MATCH TOP)	
	► DRIP TROUGH: 16 GA. S/S	
	• DRIP PLATE:	
	• SMALL BASKET DRAIN:	
	► TAPE KIT (YBOJ-TAPEKIT-0001-00):	
	► VERTICAL SNEEZE GUARD ASSEMBLY:	
	• POST: 1 1/2" SQ. S/S TUBING	
	• GLASS CLIPS:	
	• 1/2" THICK FROSTED TEMPERED GLASS: SEE DECOR PACKAGE	
	► WIRE SHELVING ASSEMBLY (YBOJ-BWSKIT-00XX-00):	
1854BL	• WIRE SHELF: 18" X 54" BLACK EPOXY	4
2430BL	• WIRE SHELF: 24" X 30" BLACK EPOXY	4
2424BL	• WIRE SHELF: 24" X 24" BLACK EPOXY	5
P36-BL	• 36"(L) POST: BLACK EPOXY - CUT TO LENGTH	28

DECOR PACKAGE:
► (SS-1) TOP AND CASH REGISTER ENCLOSURE:
• 1/2" THICK SOLID SURFACE: LG H-MAC - COSMOS "T002"
► (MTL-2) (WM-3) SNEEZE GUARD:
• (MTL-2) 1 1/2" SQ. S/S TUBING & ACCESSORIES: S/S
• (WM-3) 1/2" THICK FROSTED TEMPERED GLASS: FROSTED GLASS SHALL BE AN EXACT MATCH TO THE ACRYLIC RESIN

BUYOUT SCHEDULE (BY OTHERS)			
EQUIPMENT	ITEM	QTY.	INSTALL
A. DROP-IN ICE AND SODA DISPENSER FLANGE SIZE: 25"(S. TO S.) X 25"(F. TO B.) X 17"(D)	21A	1	FIELD
B. SPARE			
C. COLD BEVERAGE DISPENSER (3.17) - VOLLRATH "VBB01-37-S" BODY SIZE: 7 5/16"(S. TO S.) X 18 1/2"(F. TO B.) X 26 3/4"(H)	21D	1	FIELD
D. CASH REGISTER DRAWER	21J	2	FIELD
E. SPARE			
F. CASH BOX - AMERICAN SECURITY "TB0610-2" BODY SIZE: 5 7/8"(S. TO S.) X 5 7/8"(H.) X 10"(L)	21L	2	FIELD
G. CUP DISPENSER - SAN JAMAR "C2410C" FLANGE SIZE: 6 7/8"(DIA.) X 23 3/4"(D)	29P.1	2	FIELD
H. LID DISPENSER - VOLLRATH "LS03PVB" FLANGE SIZE: 5 7/8"(S. TO S.) X 7 1/16"(F. TO B.) X 23"(D)	29P.2	1	FIELD
I. LID DISPENSER - VOLLRATH "LS03IBV" FLANGE SIZE: 5 7/8"(S. TO S.) X 7 1/16"(F. TO B.) X 23"(D)	29P.3	1	FIELD
J. TEA DISPENSER - BUNN "TDO-5" BODY SIZE: 10 5/8"(S. TO S.) X 13 5/8"(F. TO B.) X 22 1/8"(H)	35A	1	FIELD
K. TEA DISPENSER - BUNN "TDO-N-3.5" BODY SIZE: 6 1/4"(S. TO S.) X 13 1/2"(F. TO B.) X 21 1/8"(H)	35B	1	FIELD



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7621 Little Avenue
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EAGLE
SpecFAB Division
Quality Stainless & Millwork Fabrication



BOJANGLES
TRIMARK FOODCRAFT
NORFOLK, VA - NAVAL BASE

REVISIONS

DRAWN BY:	M. GUPTILL
CHECKED BY:	
DATE:	12-11-25
PROJECT NO:	
SCALE:	AS NOTED

FABRICATION DETAILS

1

SHEET 1 OF 6

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REVISIONS

DATE	NO.	DESCRIPTION

BOJANGLES
NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

PRELIMINARY

DATE: 12/16/2025 PROJECT #: 25.2633

DRAWN BY: DB APPROVED BY: JH

SHEET TITLE:

MANUFACTURER
FABRICATION
DRAWINGS

SHEET NUMBER:

QF701

Trimark USA
9 Hampshire Street
Mansfield, MA 02048

p. 888-662-6935

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REVISIONS

DATE	NO.	DESCRIPTION
	1	

BOJANGLES
NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

PRELIMINARY

DATE: 12/16/2025
PROJECT #: 25.2633

DRAWN BY: DB
APPROVED BY: JH

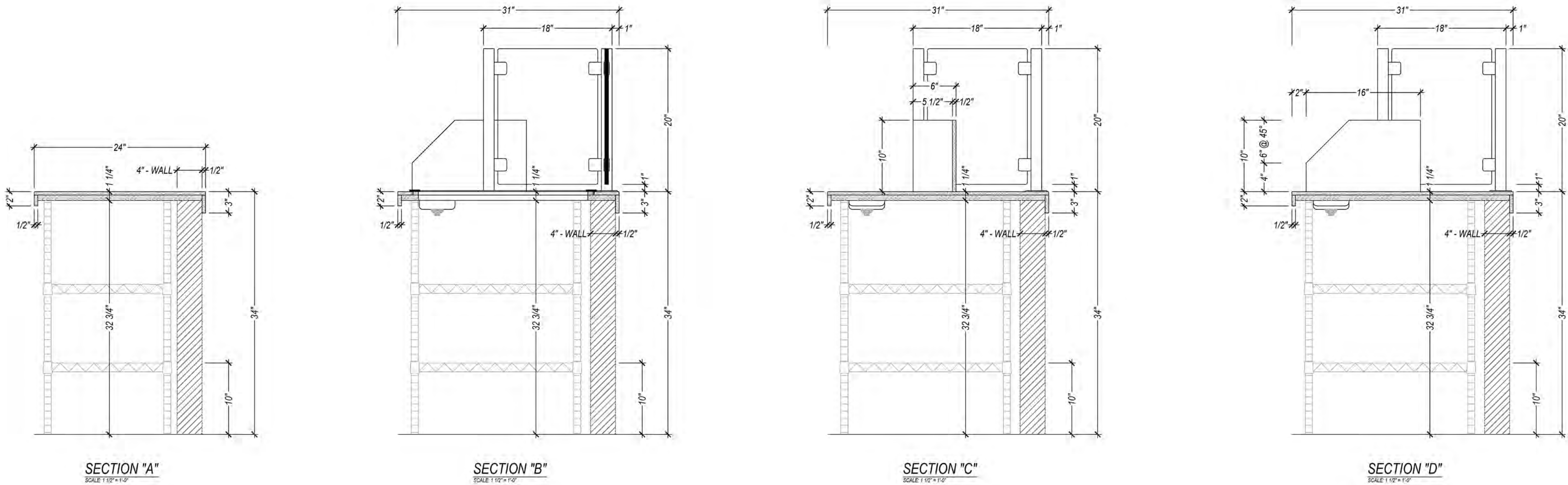
SHEET TITLE:

MANUFACTURER
FABRICATION
DRAWINGS

SHEET NUMBER:

QF702

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PART NUMBER	YBOJ-FRTCTR-NORFOK
MODEL NUMBER	31X285-FRONT COUNTER
ITEM NUMBER	21
QUANTITY	1

Quail Plaza
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EAGLE
SpecFAB Division[®]
Quality Stainless & Millwork Fabrication

UL C NSF US

REVISIONS

DRAWN BY:	M. GUPTILL
CHECKED BY:	
DATE:	12-11-25
PROJECT NO:	
SCALE:	AS NOTED

FABRICATION DETAILS

2

SHEET 2 OF 6

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BOJANGLES

NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

PRELIMINARY

DATE:	PROJECT #:
12/16/2025	25.2633

DRAWN BY:	APPROVED BY:
DB	JH

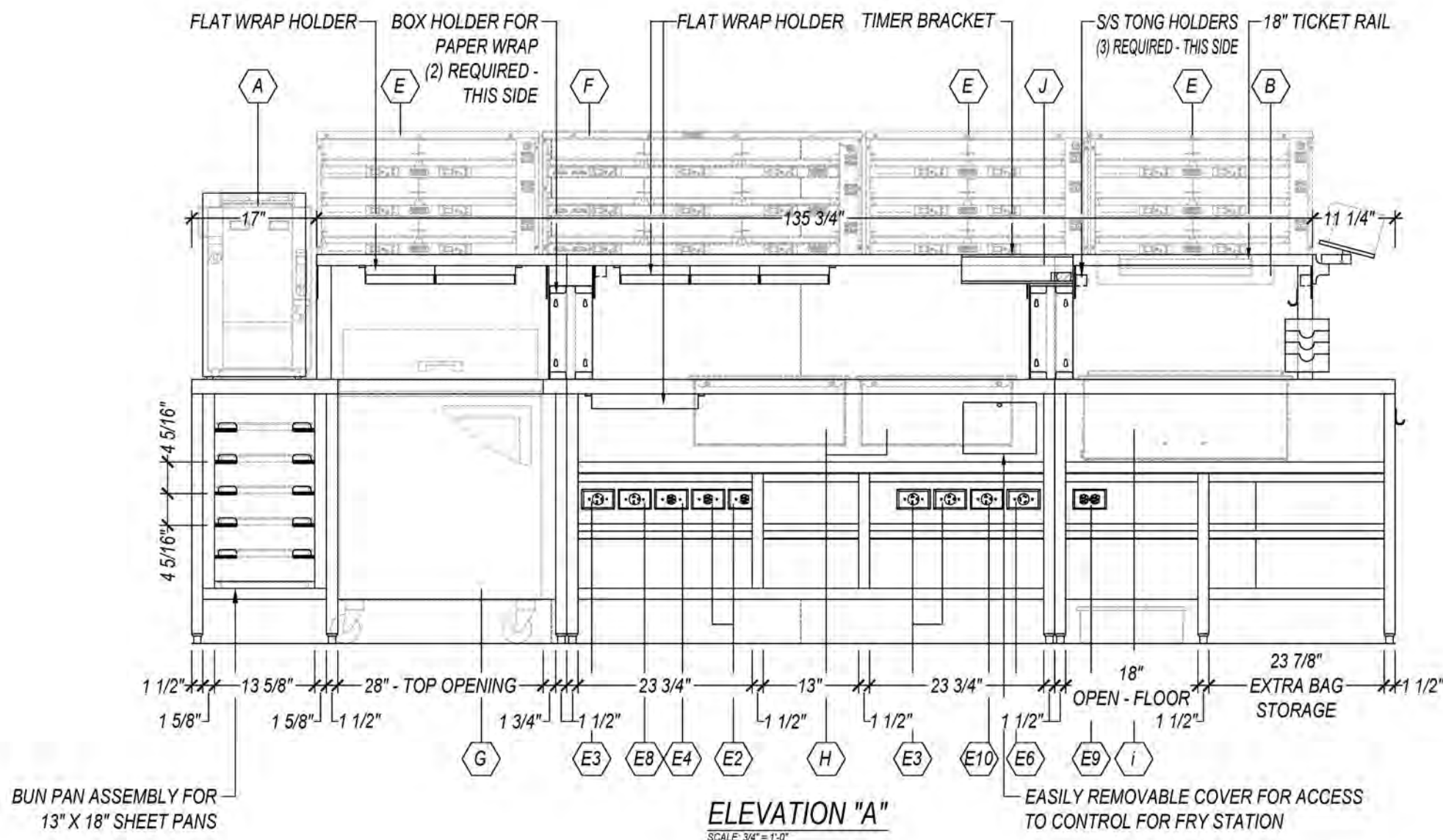
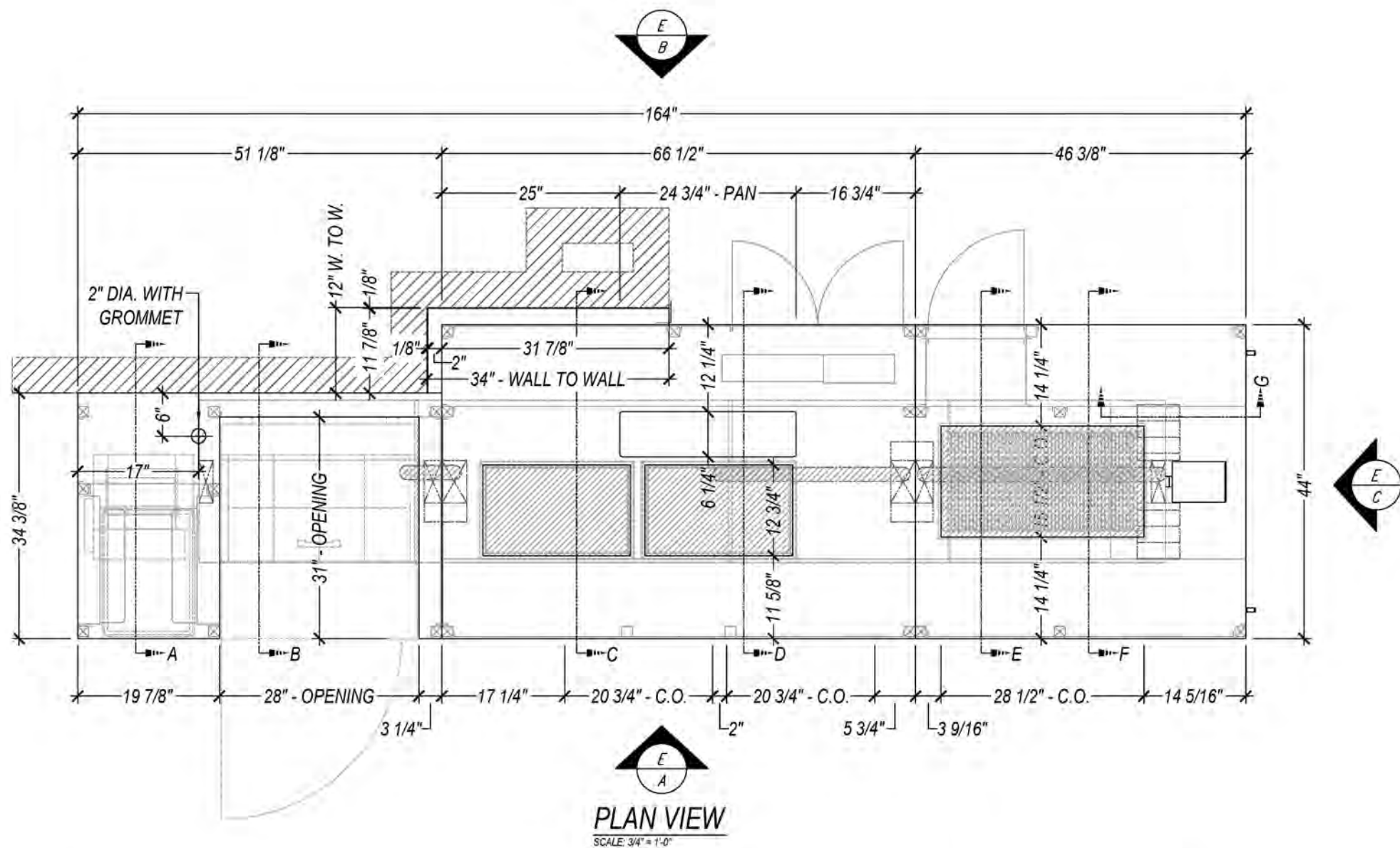
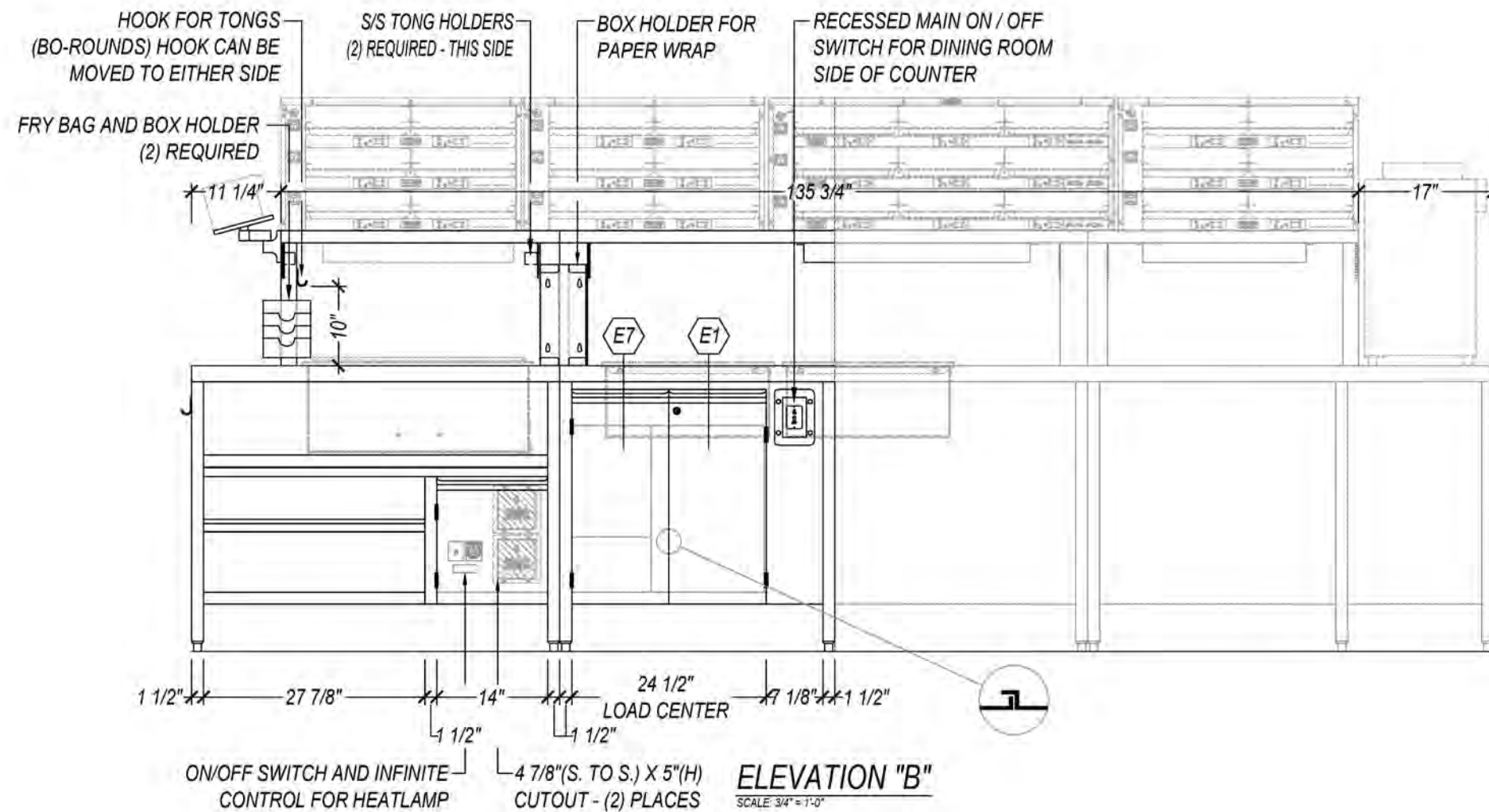
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MANUFACTURER
FABRICATION
DRAWINGS

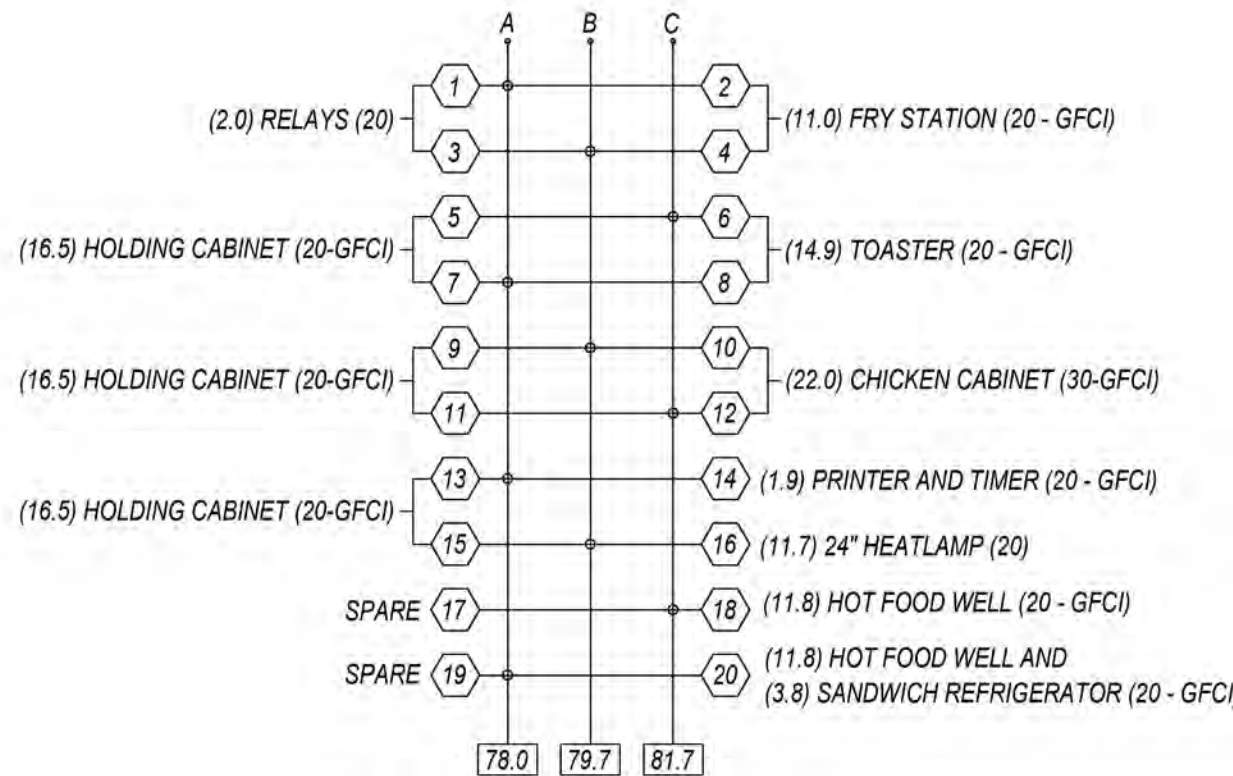
SHEET NUMBER:

QF703

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ELECTRICAL SCHEDULE		
DESCRIPTION		QTY.
E1. LOAD CENTER - SQUARE D "QO320L125G" - 120-208V/3PH/125.0AMPS		1
A. COVER FOR LOAD CENTER - SQUARE D "QOC16US"		1
E2. SINGLE RECEPTACLE FOR ITEM H (NEMA 5-20R)		2
E3. SINGLE RECEPTACLE FOR ITEM E (NEMA 6-20R)		3
E4. SINGLE RECEPTACLE FOR ITEM G (NEMA 5-20R)		1
E5. SPARE		
E6. SINGLE RECEPTACLE FOR ITEM F (NEMA L14-30R)		1
E7. JUNCTION BOX FOR RELAYS		1
E8. SINGLE RECEPTACLE FOR ITEM A (NEMA 6-20R)		1
E9. DUPLEX RECEPTACLE FOR PRINTER AND J (NEMA 5-20R)		1
E10. SINGLE RECEPTACLE FOR ITEM I (NEMA 6-20R)		1
SPECIAL NOTES		
• ALL OUTLETS ARE REQUIRED TO HAVE A GFCI BREAKER		

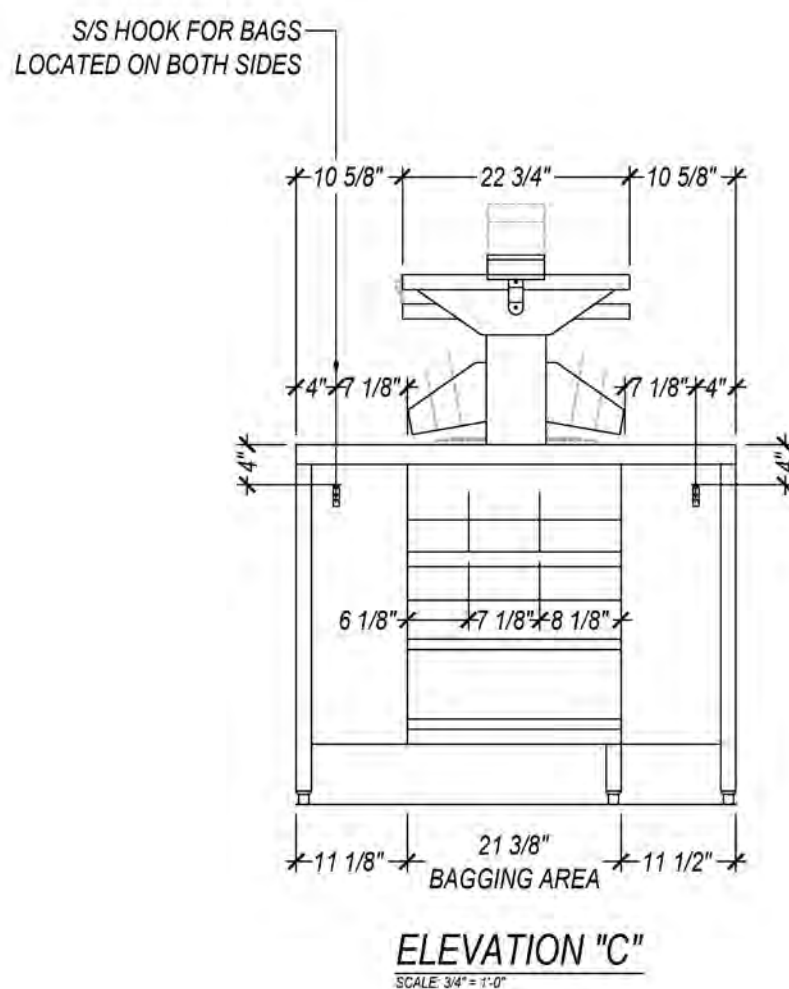


ELECTRICAL INFORMATION
25.4 TOTAL K.W. 120-208 VOLTS
81.7 AMPS 60 HERTZ 3 PHASE
USE COPPER CONDUCTORS ONLY SUITABLE
FOR AT LEAST 90 DEGREES CELSIUS

GENERAL NOTES - POWER LINE COUNTER		
PART #	PARTS & MATERIALS LIST	
	► TOP: 18/3 S/S	
	• REINFORCEMENT: S/S	
	► DRY STORAGE PAN: NON INSULATED	
	• BOWL: 16/3 S/S	
	► BODY, HEADER, REMOVABLE PANEL, AND UNDERSHELVING: 18/3 S/S	
	• ADJUSTABLE DIVIDERS (BAGGING AREA): ALUMINUM	
	• PIVOTING PRINTER SHELF: HAT DESIGN WORKS "MNR10-WM-048"	
	► SINGLE PAN HINGED DOOR:	
	• EXTERIOR: 18/3 S/S	
	• LIFT-OFF FLAG HINGE:	
	• MAGNETIC CATCH:	
	• LOCK (LOAD CENTER ONLY):	
	► BUN PAN ASSEMBLY: 16/3 S/S	
	► OVERSHELF: 18/3 S/S	
	• REINFORCEMENT: S/S	
	• POST: 14/3 S/S	
	• CANTILEVER BRACKET: 14/3 S/S	
	► EASILY REMOVABLE TONG HOLDER: 18/3 S/S	
	► EASILY REMOVABLE BOX HOLDER (PAPER LINER): 18/3 S/S	
	► FLAT WRAP HOLDER: 18/3 S/S	
	• INSERTS: 18/3 S/S	
	► TIMER BRACKET: 18/3 S/S	
354563	► 18" TICKET RAIL:	
	► FRY BAG / BOX HOLDER: 18/3 S/S	
	► HOOK FOR BAGS OR TONGS: SAGATSUNE "SUG-HJT-55"	
	► RELAY JUNCTION BOX: GALV.	
	• REMOVABLE COVER: GALV.	
	► LEGS: 1 1/2" SQ. S/S TUBING	
	• ADJ. S/S BULLET FEET:	

BUYOUT SCHEDULE FOR POWER LINE (BY OTHERS)			
EQUIPMENT	ITEM	QTY.	INSTALL
A. TOASTER: ANTUNES "VCTM-2" - 208V/1PH/3.1KW/14.9AMPS BODY SIZE: 13 3/8"(F. TO B.) X 21 3/4"(S. TO S.) X 23 1/2"(H)	46	1	FIELD
B. 24" HEATLAMP: MARSHALL AIR "BM189520Y120" - 120V/1PH/11.7AMPS BODY SIZE: 17 1/2"(F. TO B.) X 24"(S. TO S.) X 2 5/8"(H)	47G	1	FACTORY
C. SPARE			
D. SPARE			
E. HOLD. CAB: MARSHALL AIR "DH50A-44ABDSBOJ" - 208V/1PH/16.5AMPS BODY SIZE: 30 1/4"(S. TO S.) X 22 3/4"(F. TO B.) X 17 3/8"(H)	47B	3	FIELD
F. CHICK. CAB: MARSHALL AIR "DH55A-44ABDSBOJ" - 208V/1PH/22.0AMPS BODY SIZE: 43 1/2"(S. TO S.) X 22 3/4"(F. TO B.) X 17 3/8"(H)	47C	1	FIELD
G. SANDWICH REFRIG. TURBO AIR "TST-28SD-1" - 120V/1PH/3.8AMPS BODY SIZE: 27 1/2"(S. TO S.) X 31"(F. TO B.) X 42 3/4"(H)	47K	1	FIELD
H. HOT FOOD WELL: MARSHALL AIR "CZ3K-1ACWC" - 120V/1PH/11.8AMPS FLANGE SIZE: 13 13/16"(F. TO B.) X 21 3/4"(S. TO S.) X 9 1/2"(D)	47D	2	FACTORY
I. FRY STA.: MARSHALL AIR "CZ3K-14ACBOJ" - 208V/1PH/11.0AMPS FLANGE SIZE: 16 1/8"(F. TO B.) X 29 1/8"(S. TO S.) X 11 3/8"(D)	47A	1	FACTORY
J. 8-CHANNEL TIMER - KITCHEN BRAINS "24" - 120V/1PH/5AMPS BODY SIZE: 2 7/16"(F. TO B.) X 15 1/4"(S. TO S.) X 3 3/4"(H)	47.2	1	FIELD

COUNTER TO BE FABRICATED IN THE FOLLOWING PIECES:	APPROVED FOR FABRICATION
1. TOP: (3) PIECE	☐ APPROVED
2. BODY: (3) PIECES	☐ APPROVED AS NOTED
3. OVERSHELF ASSEMBLY: (3) PIECES	☐ RESUBMIT
UNLESS OTHERWISE SPECIFIED, COUNTER WILL SHIP IN (3) PIECES.	APPROVED BY: _____ DATE: _____



PART NUMBER	YBOJ-PWRCTR-NORFOK
MODEL NUMBER	44X164-POWER LINE COUNTER
ITEM NUMBER	47
QUANTITY	1

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BOJANGLES

NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

PRELIMINARY

DATE:

12/16/2025

DRAWN BY:

DB

PROJECT #:

25.2633

APPROVED BY:

JH

SHEET TITLE:

MANUFACTURER
FABRICATION
DRAWINGS

SHEET NUMBER:

QF704

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BOJANGLES

TRIMARK FOODCRAFT
NORFOLK, VA - NAVAL BASE

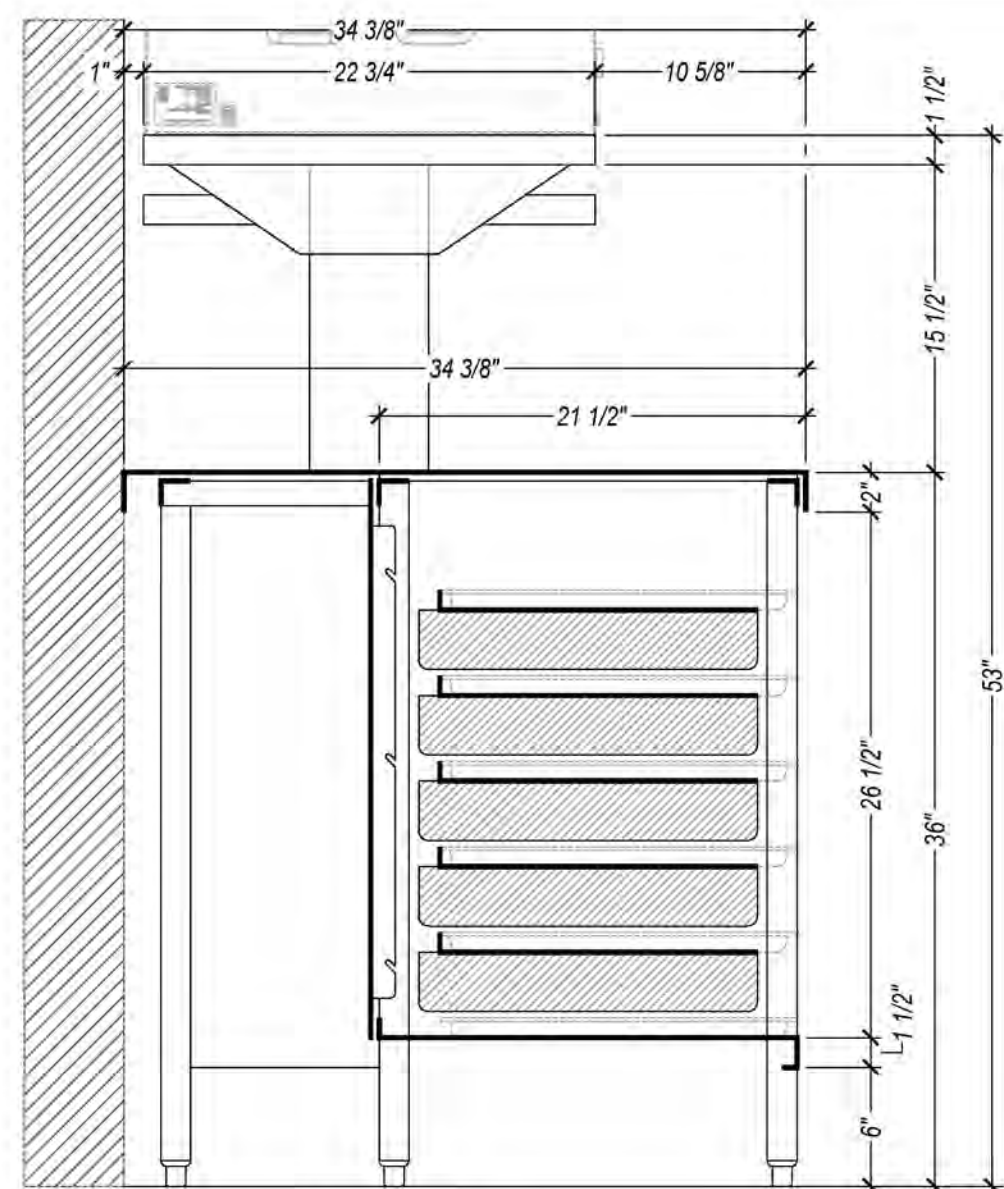
REVISIONS

DRAWN BY:	M. GUPTILL
CHECKED BY:	
DATE:	12-11-25
PROJECT NO:	
SCALE:	AS NOTED

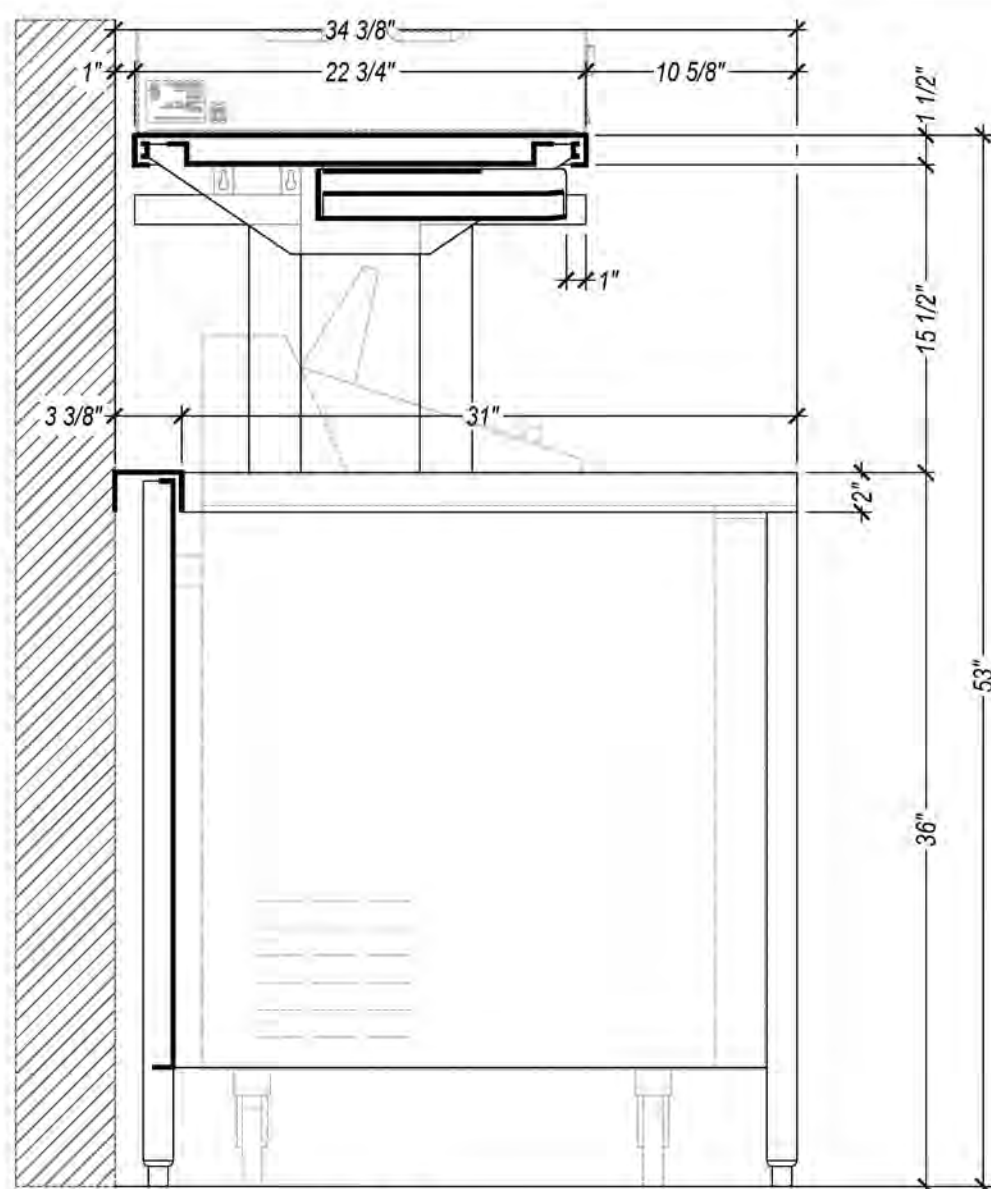
FABRICATION DETAILS

4

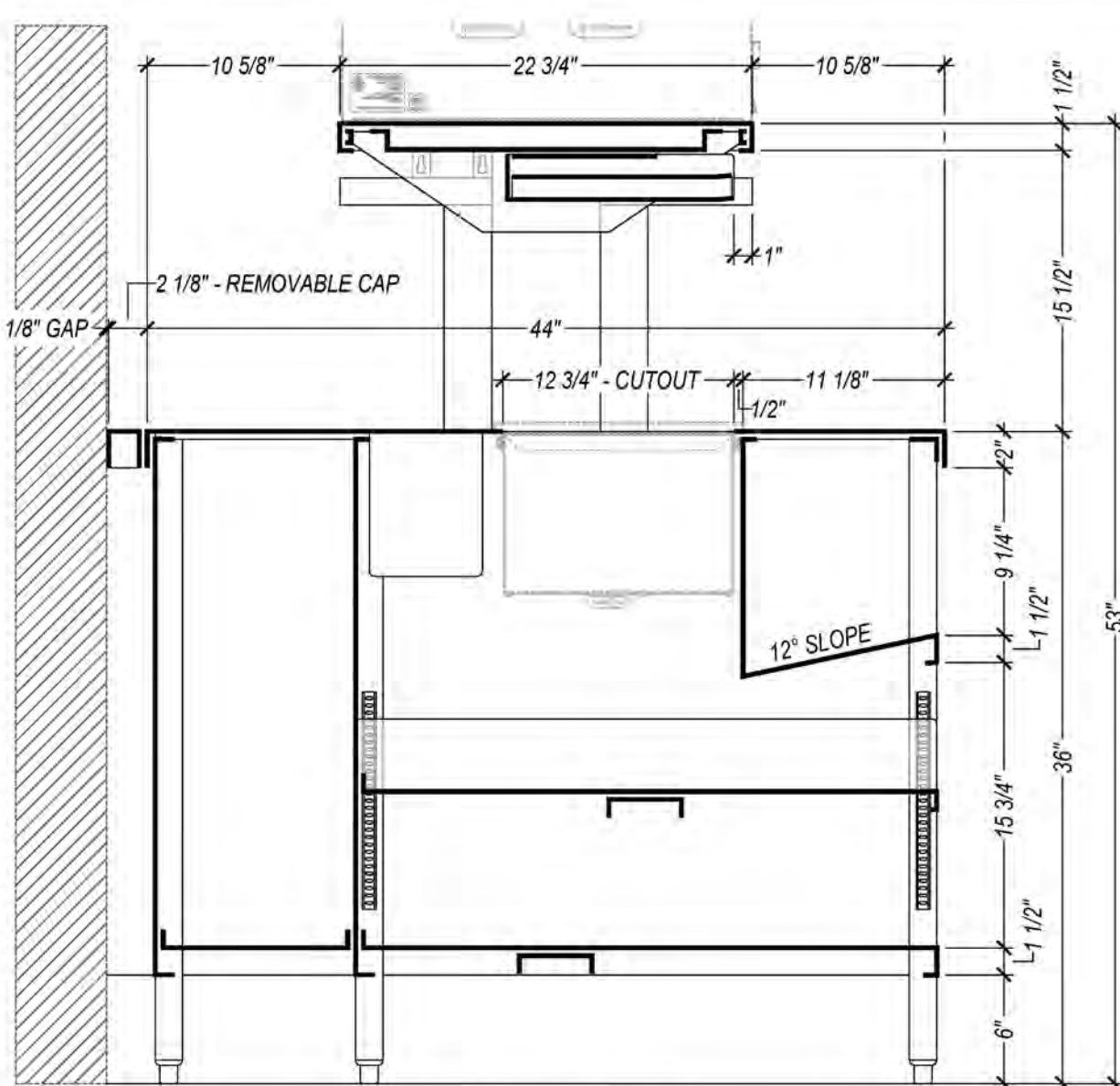
SHEET 4 OF 6



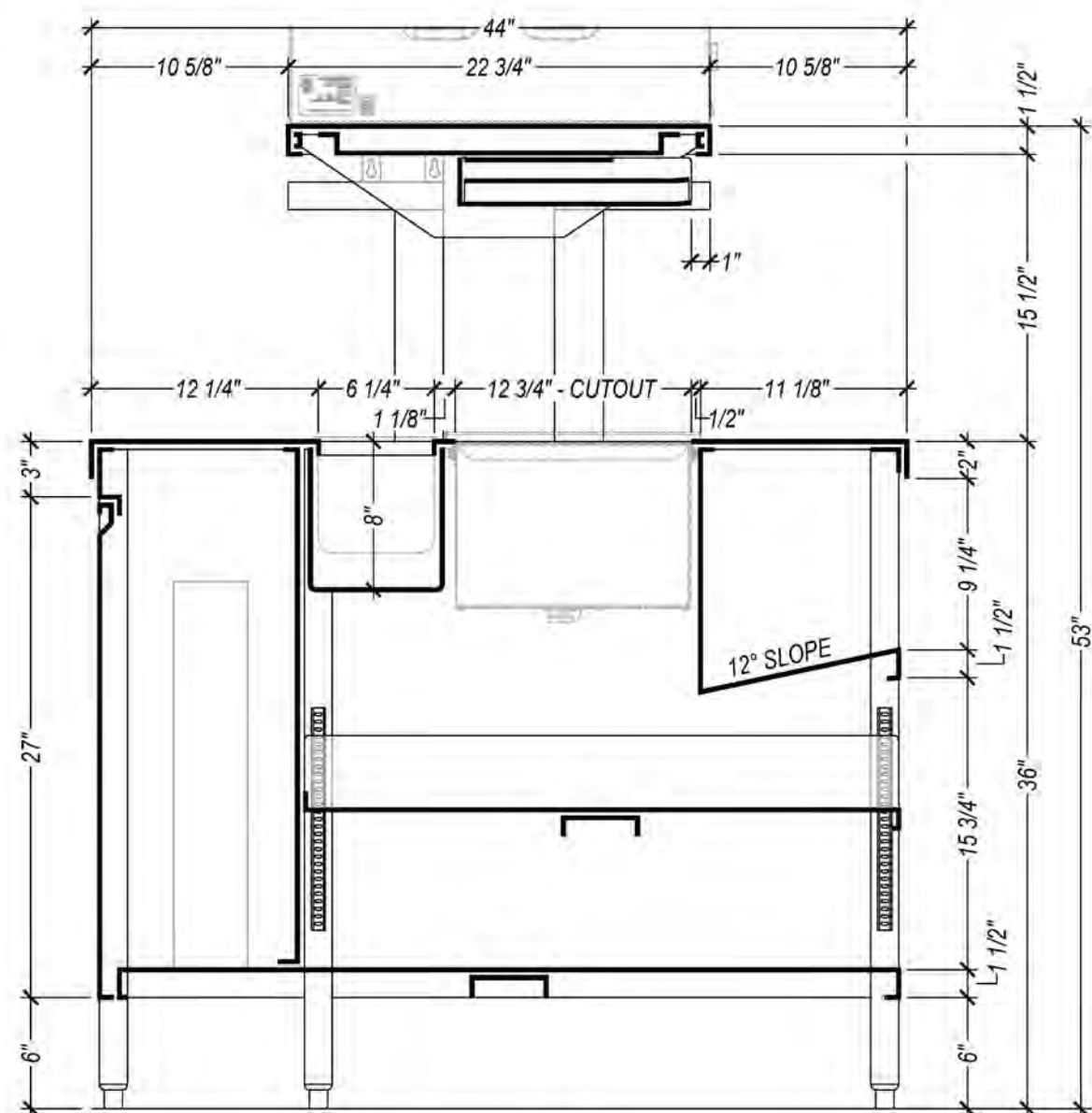
SECTION "A"
SCALE: 1/16" = 1'-0"



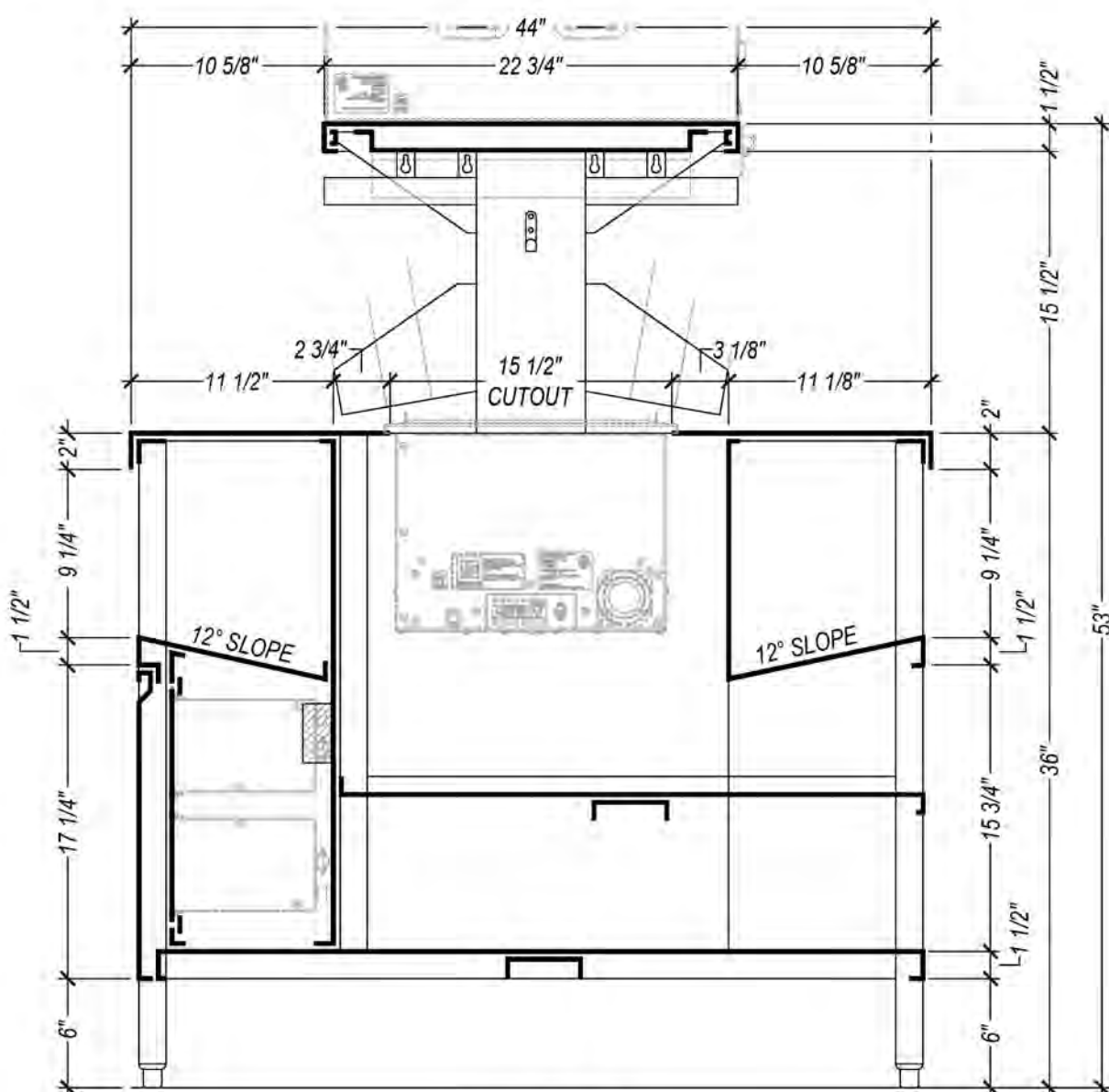
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SCALE: 1/16" = 1'-0"



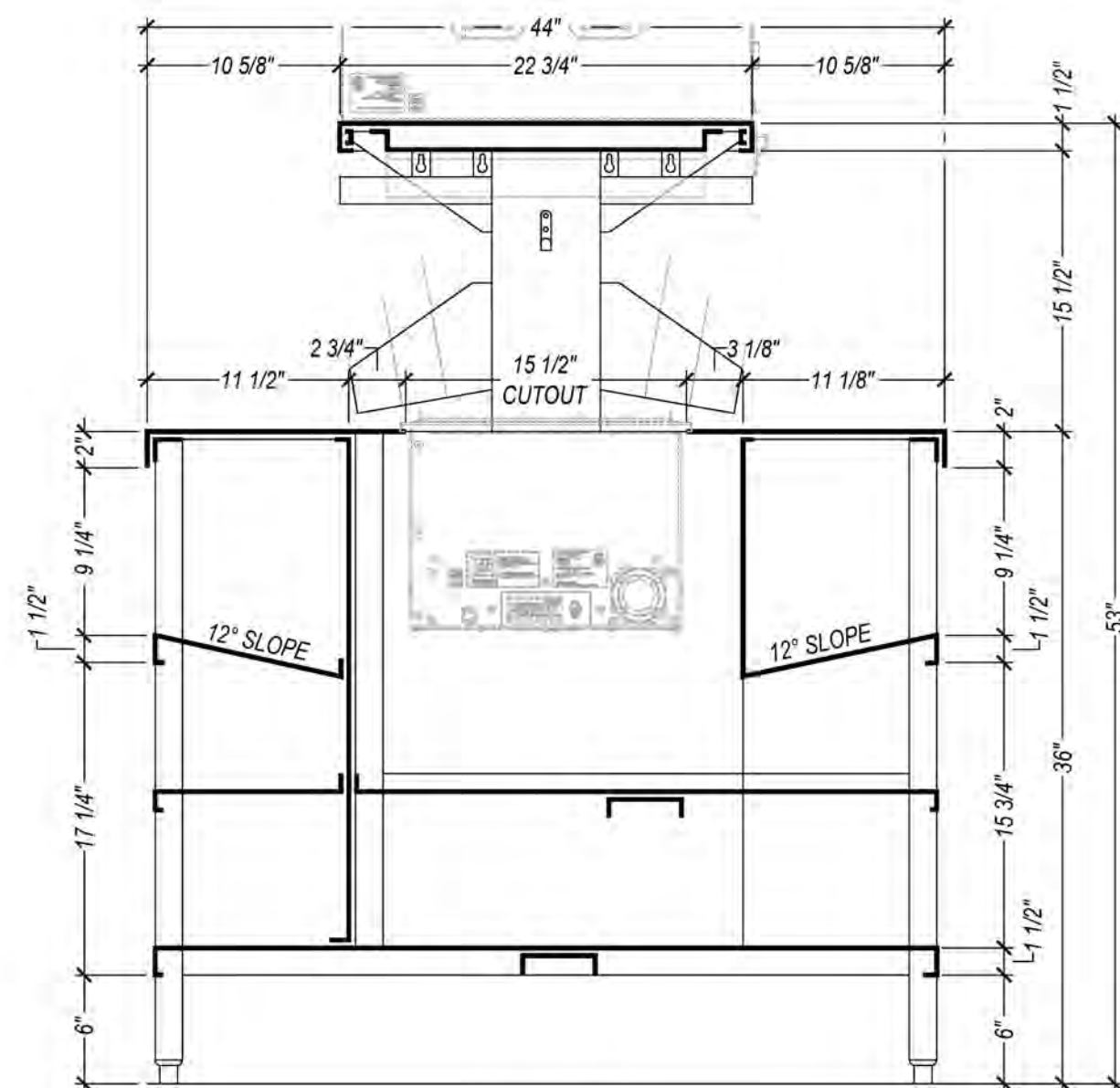
SECTION "C"
SCALE: 1/16" = 1'-0"



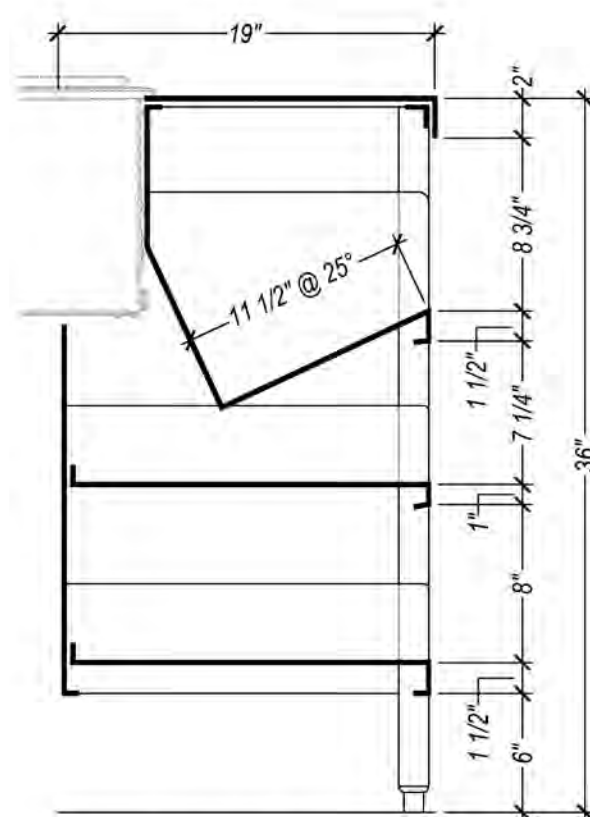
SECTION "D"
SCALE: 1/16" = 1'-0"



SECTION "E"
SCALE: 1/16" = 1'-0"

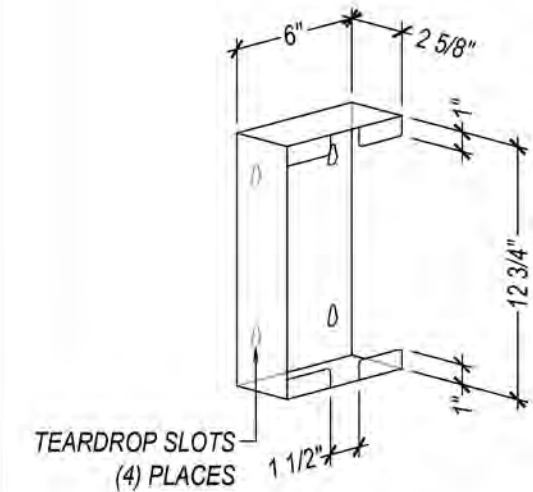


SECTION "F"
SCALE: 1/16" = 1'-0"



SECTION "G"
SCALE: 1/16" = 1'-0"

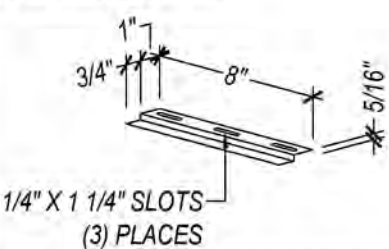
ROUND OFF ALL SHARP CORNERS



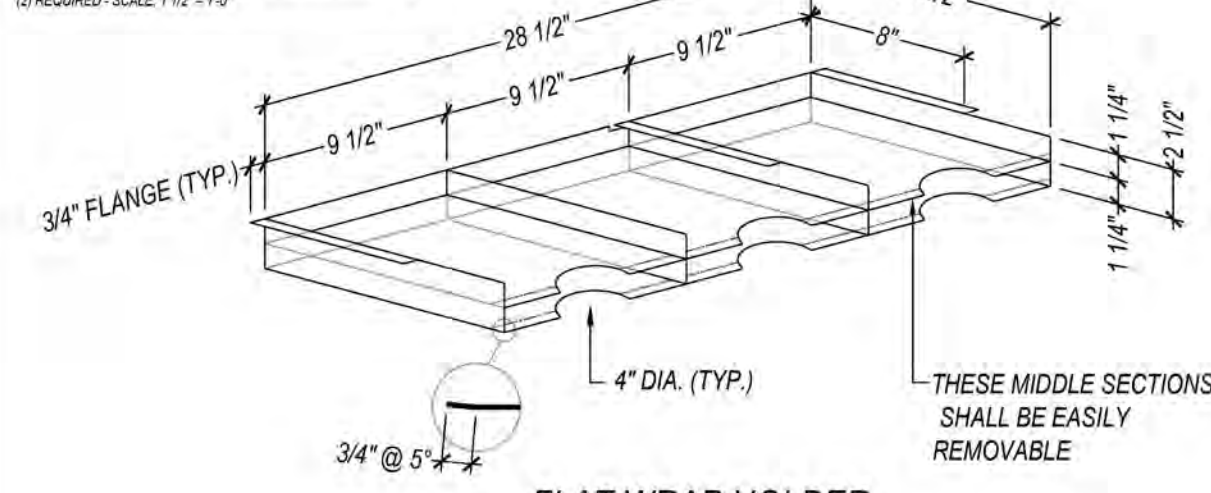
BOX HOLDER (PAPER LINER)
(1) REQUIRED - SCALE: 1/16" = 1'-0"

BOX SIZE: 2 3/8"(F. TO B.) X 12 1/2"(S. TO S.) X 5 3/4"(H.)

1/4" RADIUS CORNERS

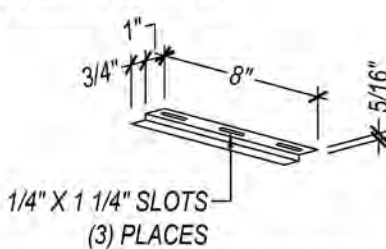


FLAT HOLDER BRACKET
(2) REQUIRED - SCALE: 1/16" = 1'-0"

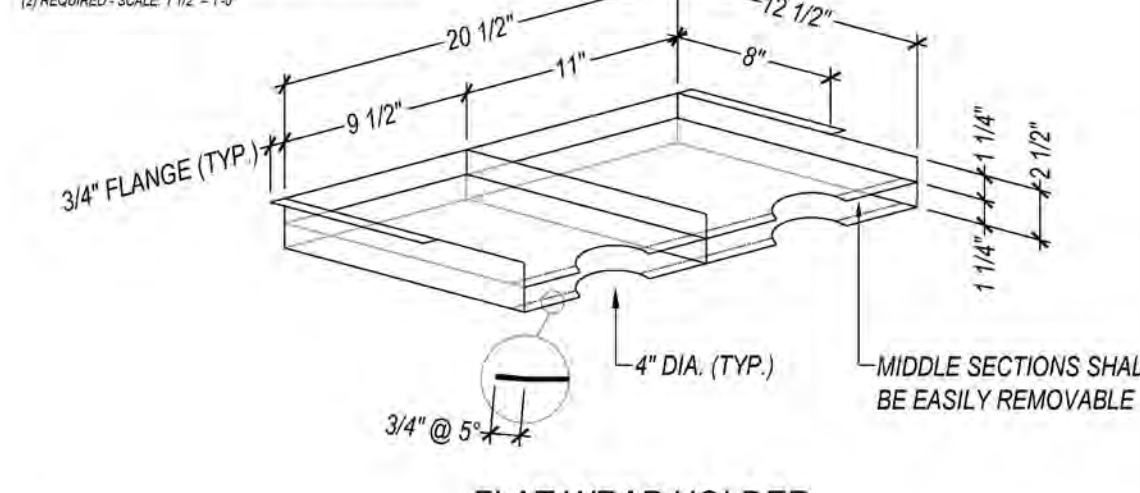


FLAT WRAP HOLDER
(1) REQUIRED - SCALE: 1/16" = 1'-0"

1/4" RADIUS CORNERS

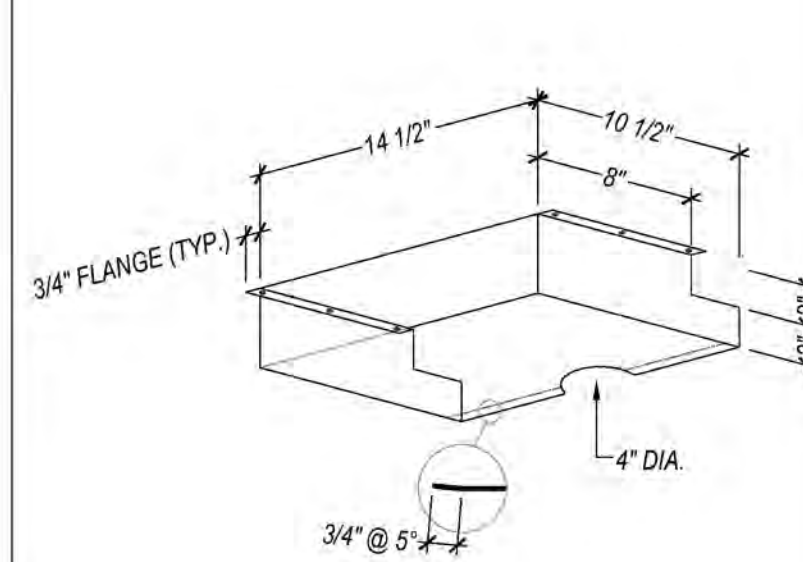


FLAT HOLDER BRACKET
(2) REQUIRED - SCALE: 1/16" = 1'-0"



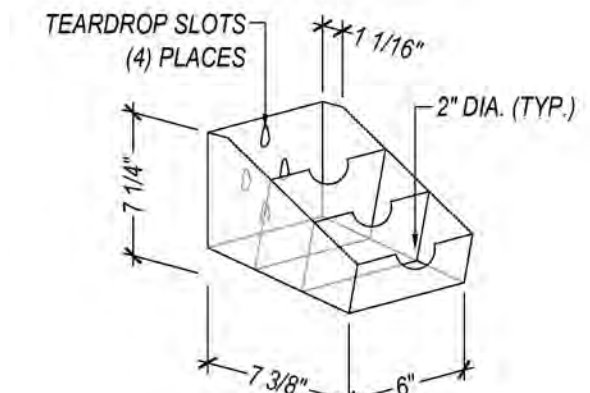
FLAT WRAP HOLDER
(1) REQUIRED - SCALE: 1/16" = 1'-0"

1/4" RADIUS CORNERS



FLAT WRAP HOLDER
(1) REQUIRED - SCALE: 1/16" = 1'-0"

- EACH SLOT IS 2 1/2" WIDE
- FRY PACKAGING WILL SIT AT A 10° SLOPE



FRY BAG / BOX HOLDER
(2) REQUIRED - SCALE: 1/16" = 1'-0"

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BOJANGLES
TRIMARK FOODCRAFT
NORFOLK, VA - NAVAL BASE

REVISIONS

DRAWN BY:	M. GUPTILL
CHECKED BY:	
DATE:	12-11-25
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SCALE:	AS NOTED

FABRICATION DETAILS

5

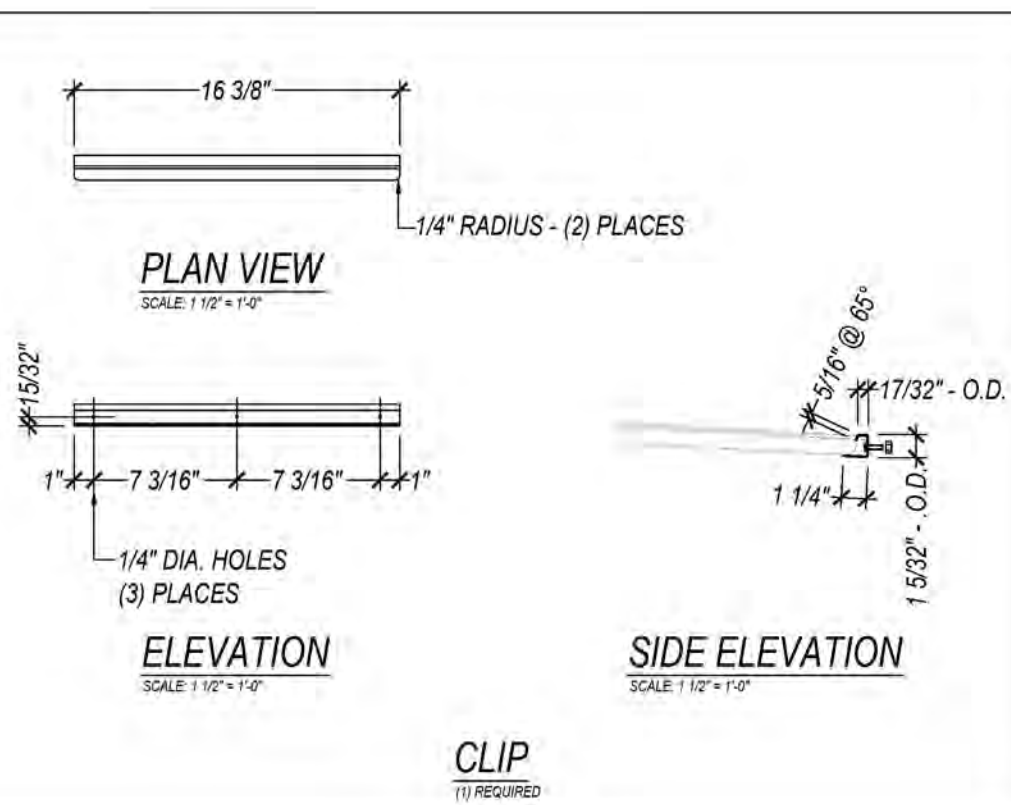
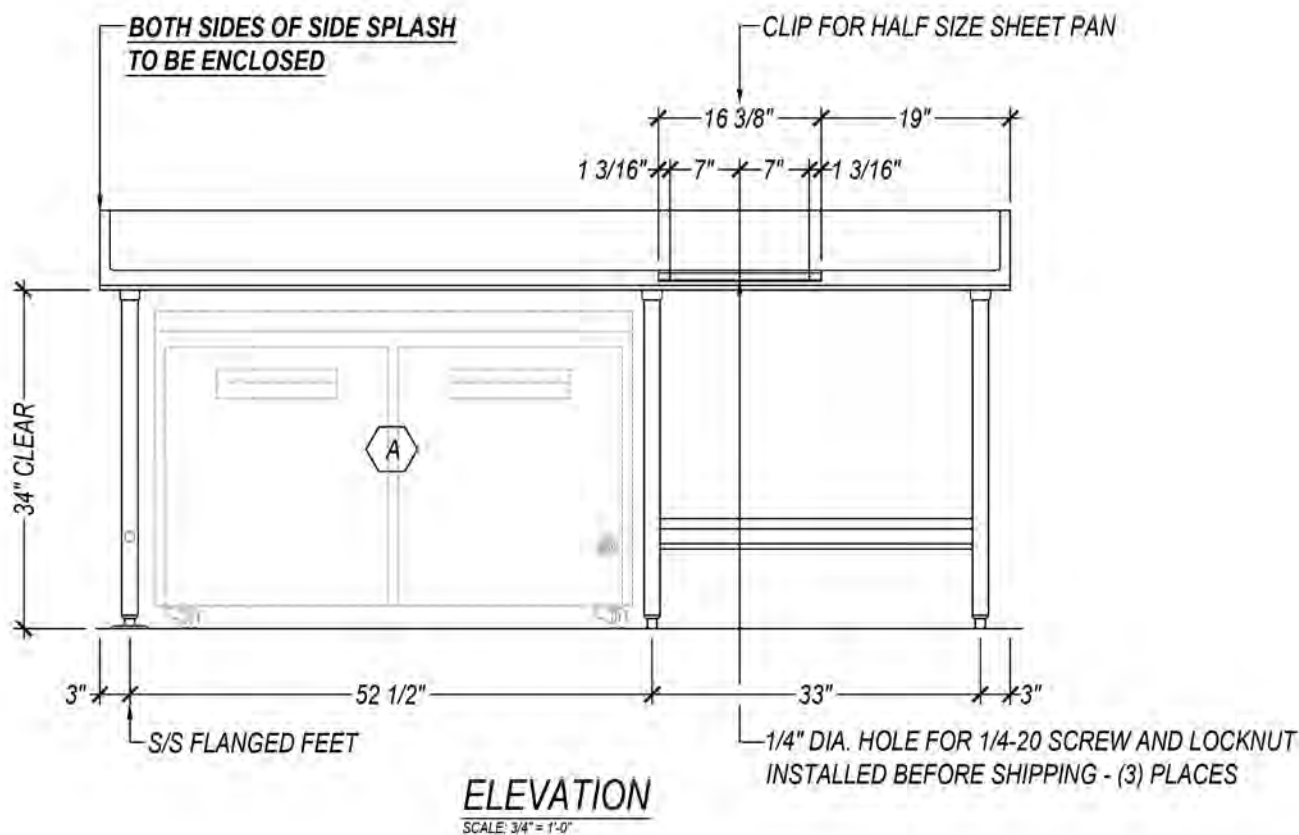
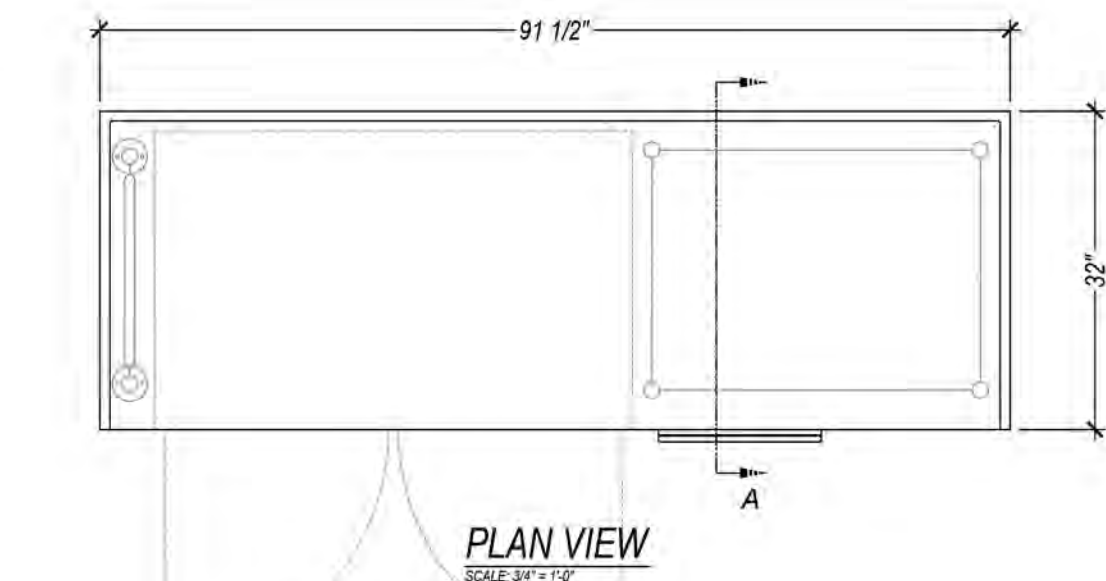
SHEET 5 OF 6

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GENERAL NOTES			
PART #	PARTS & MATERIALS LIST	QTY.	
	▶ TOP: 18/3 S/S		
	• REINFORCEMENT: S/S		
	▶ CLIP: 18/3 S/S		
	• 1/4-20 SCREW AND LOCKNUT: S/S		
	▶ UNDERSHELF: 18/3 S/S		
	▶ LEGS: 1 5/8" DIA. S/S TUBING		
	• CROSSBRACING: 1" DIA. S/S TUBING		
	• S/S GUSSETS		
	• ADJ. S/S BULLET FEET:		
	• ADJ. S/S FLANGED FEET:		

BUYOUT SCHEDULE (BY OTHERS)			
EQUIPMENT	ITEM	QTY.	INSTALL
A. UNDERCOUNTER REFRIGERATOR: HOSHIZAKI "UR48B-LP" BODY SIZE: 31"(F. TO B.) 48"(S. TO S.) X 31 15/16"(H)	65	1	FIELD

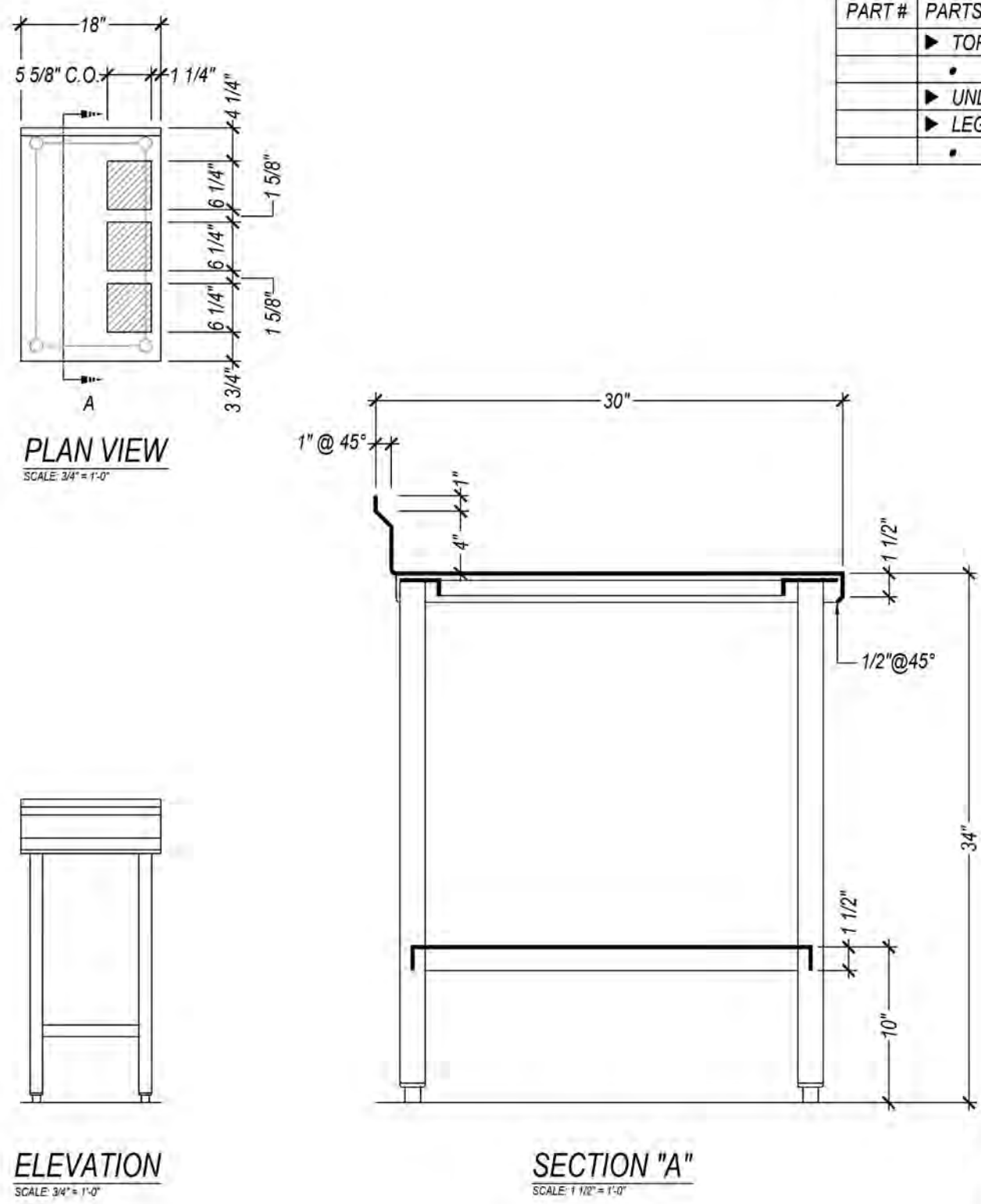
APPROVED FOR FABRICATION
☐ APPROVED
☐ APPROVED AS NOTED
☐ RESUBMIT
APPROVED BY: _____
TITLE: _____ DATE: _____



PART NUMBER	YBOJ-BAKERTBL-NORFOK
MODEL NUMBER	32X91X36-BAKERS TABLE
ITEM NUMBER	63
QUANTITY	1

GENERAL NOTES		
PART #	PARTS & MATERIALS LIST	QTY.
	▶ TOP: 18/3 S/S	
	• REINFORCEMENT: S/S	
	▶ UNDERSHELF: 18/3 S/S	
	▶ LEGS: 1 5/8" DIA. S/S TUBING	
	• ADJ. S/S BULLET FEET:	

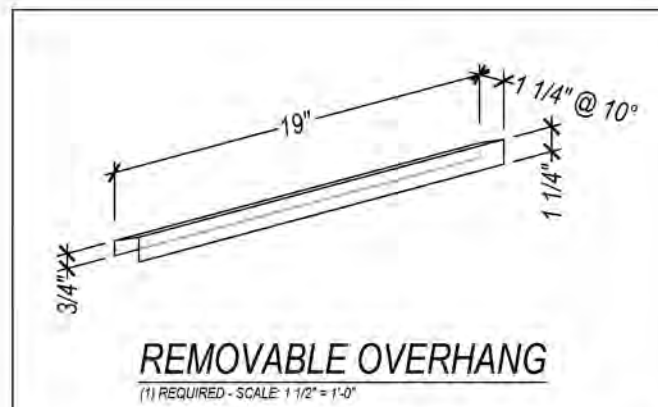
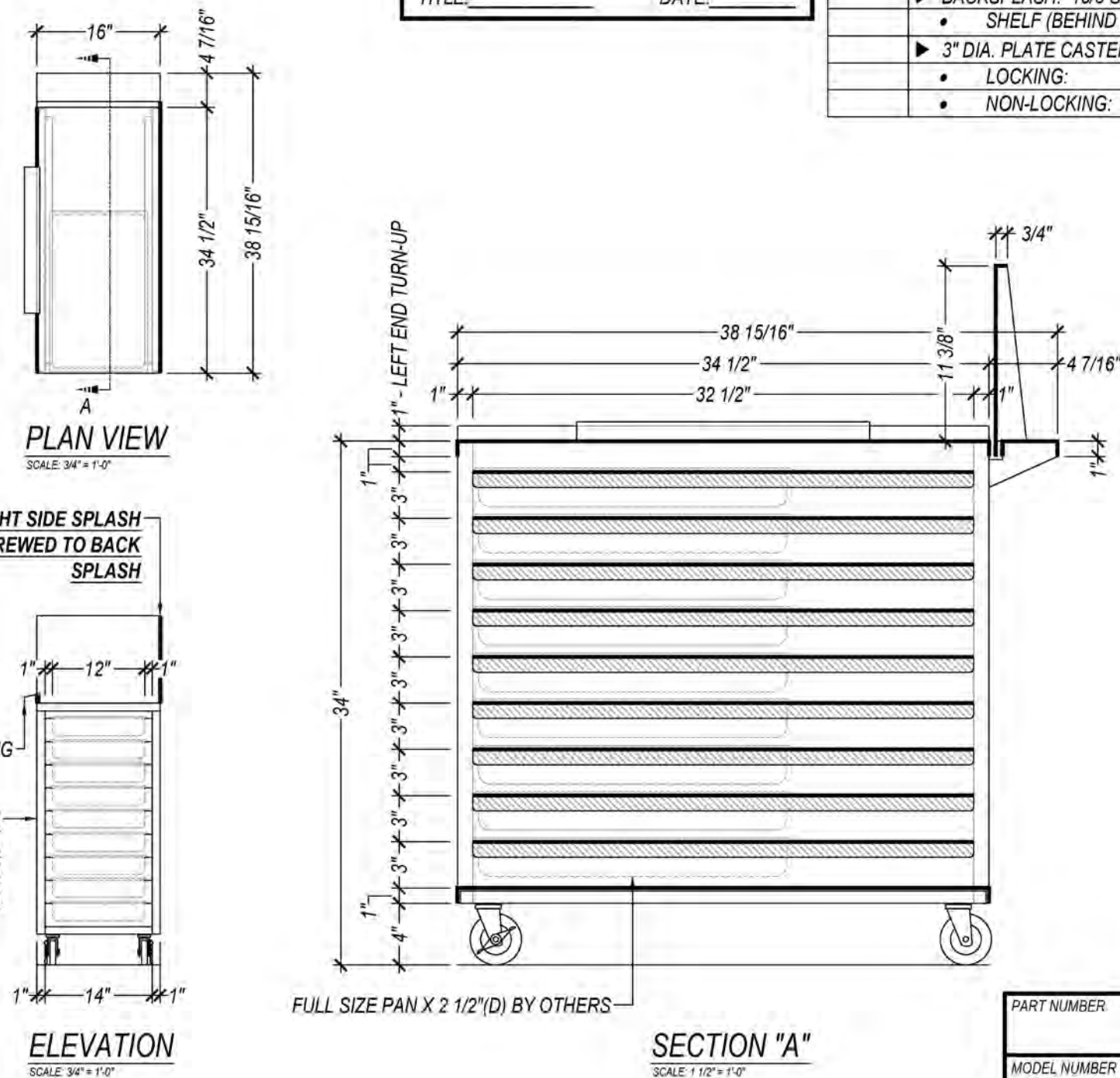
APPROVED FOR FABRICATION
☐ APPROVED
☐ APPROVED AS NOTED
☐ RESUBMIT
APPROVED BY: _____
TITLE: _____ DATE: _____



PART NUMBER	YBOJ-DREDGE-NORFOK
MODEL NUMBER	18X30-DREDGE TABLE
ITEM NUMBER	49
QUANTITY	1

APPROVED FOR FABRICATION
☐ APPROVED
☐ APPROVED AS NOTED
☐ RESUBMIT
APPROVED BY: _____
TITLE: _____ DATE: _____

GENERAL NOTES		
PART #	PARTS & MATERIALS LIST	QTY.
	▶ TOP: 18/3 S/S	
	▶ SIDE PANEL WITH SLIDES AND UNDERSHELF: 18/3 S/S	
	• REMOVABLE OVERHANG: 18/3 S/S	
	• REINFORCEMENT: S/S	
	▶ BACKSPLASH: 18/3 S/S	
	• SHELF (BEHIND BACKSPLASH): 18/3 S/S	
	▶ 3" DIA. PLATE CASTERS:	
	• LOCKING:	
	• NON-LOCKING:	



PART NUMBER	YBOJ-BUNNCRT-0003-00
MODEL NUMBER	16X38 - BUNN CART
ITEM NUMBER	78
QUANTITY	1

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BOJANGLES

NORFOLK, VA - NAVAL BASE

PROJECT PHASE:

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DATE: 12/16/2025
PROJECT #: 25.2633

DRAWN BY: DB
APPROVED BY: JH

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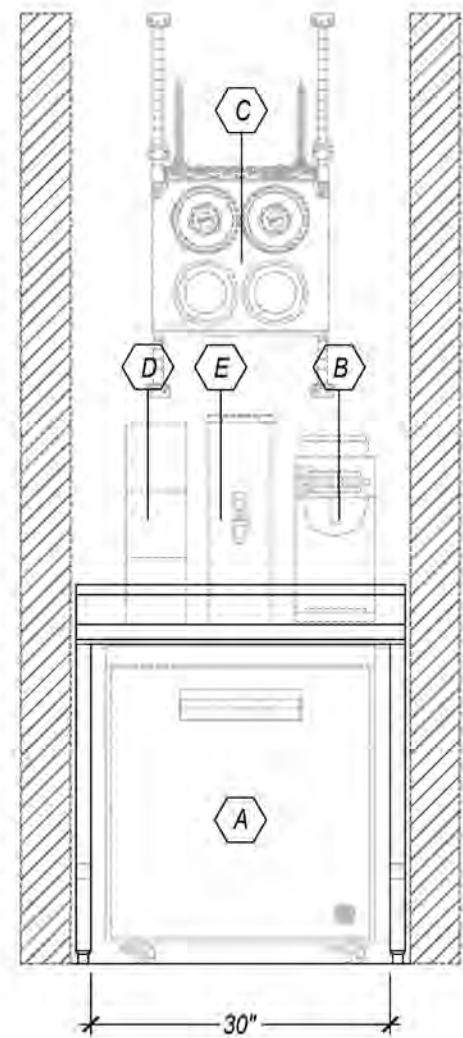
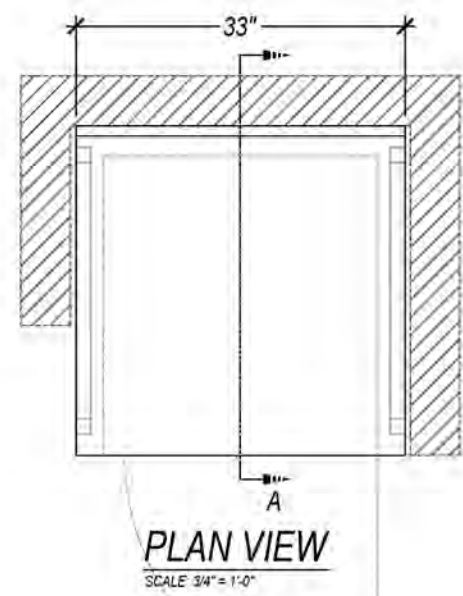
FABRICATION DETAILS

6

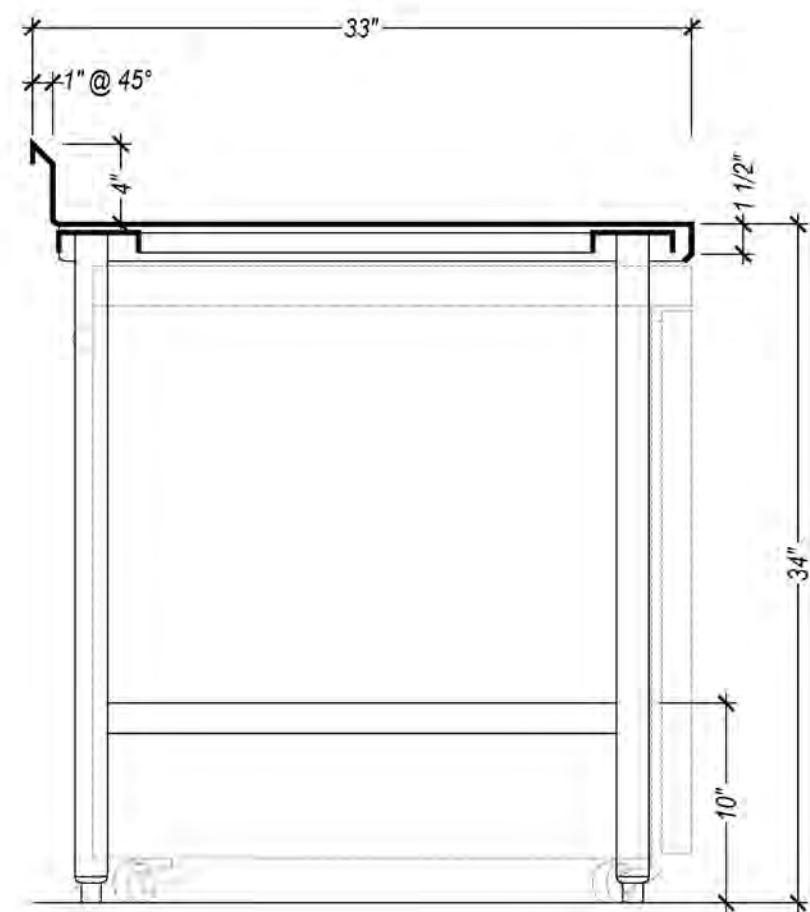
SHEET 6 OF 6

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GENERAL NOTES			
PART #	PARTS & MATERIALS LIST	QTY.	
	► TOP: 18/3 S/S		
	• REINFORCEMENT: S/S		
	► LEGS AND CROSSBRACING: 1 1/2" SQ. S/S TUBING		
	• S/S ADJUSTABLE BULLET FEET:		
BUYOUT SCHEDULE (BY OTHERS)			
EQUIPMENT			
A	U.C. REFRIG. - HOSHIZAKI "UR27B-LP"	ITEM	QTY.
	BODY SIZE: 27"(S. TO S.) X 31"(F. TO B.) X 31 15/16"(H)	21B	1
			FIELD
B	COFFEE MAKER - BY VENDOR	ITEM	QTY.
		21C	1
			FIELD
C	18" X 24" WIRE SHELF / CUP AND LID DISPENSER - EAGLE "YBOJ-CUPLDWAL-18-0001"	ITEM	QTY.
	BODY SIZE: 27"(F. TO B.) X 18 11/16"(S. TO S.) X 38 3/8"(H)	29P	1
			FIELD
D	SYRUP DISPENSER HOLDER - BADGER WELDING "SYRUP-DISP"	ITEM	QTY.
	BODY SIZE: 6"(S. TO S.) X 18"(F. TO B.) X 20"(H)	35K	1
			FIELD
E	ICED COFFEE DISPENSER - WINCO "SSBD-3"	ITEM	QTY.
	BODY SIZE: 6 7/8"(S. TO S.) X 13 3/4"(F. TO B.) X 21"(H)	35E	1
			FIELD



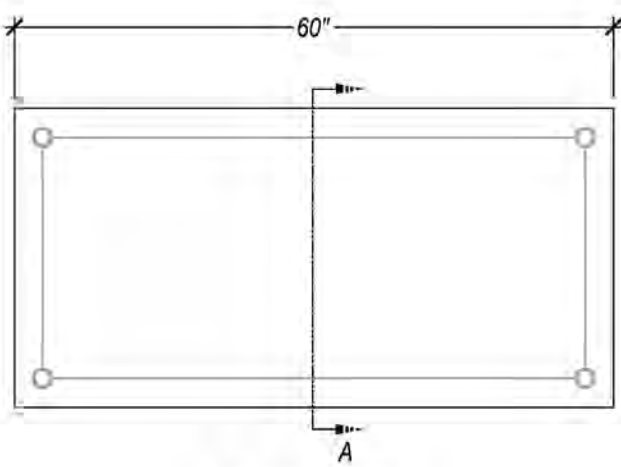
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SCALE 3/4" = 1'-0"



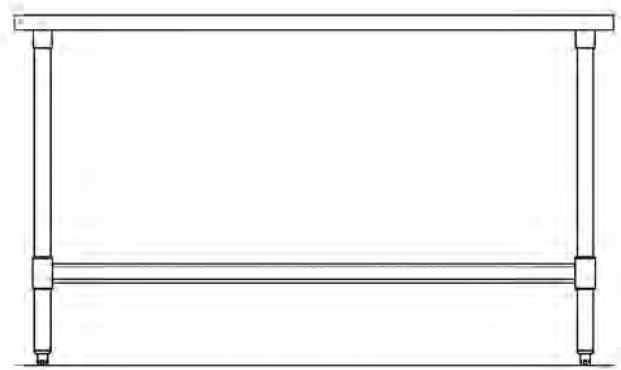
SECTION "A"
SCALE 1/2" = 1'-0"

PART NUMBER	
YBOJ-FRTCTREXT-NORFOLK	
MODEL NUMBER	
33X33-FRONT COUNTER EXTENSION	
ITEM NUMBER	QUANTITY
21Q	1

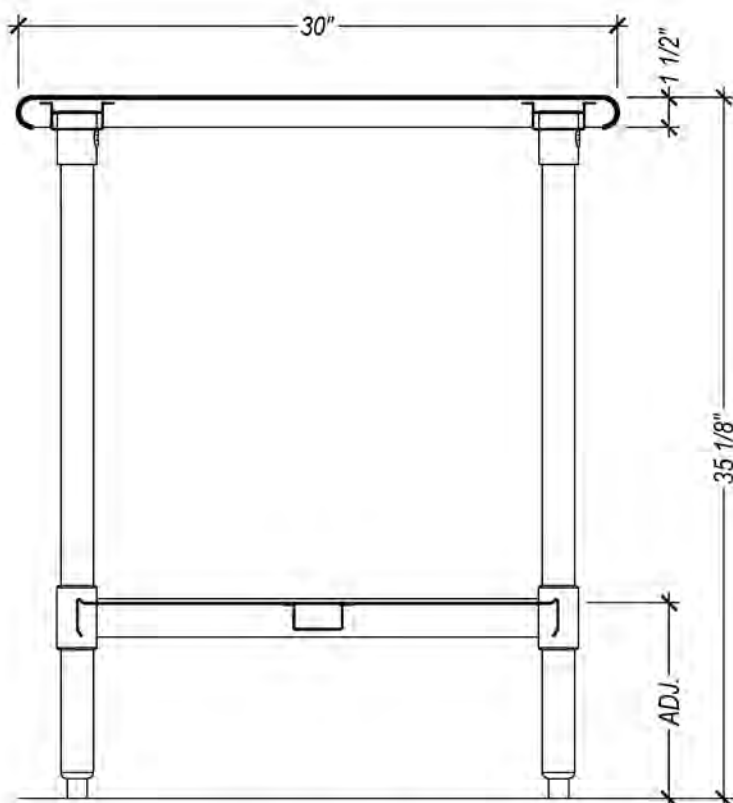
GENERAL NOTES		
PART #	PARTS & MATERIALS LIST	QTY.
	► TOP: 18/3 S/S	
	• REINFORCEMENT: S/S	
	► ADJUSTABLE UNDERSHELF: 18/4 S/S	
	• S/S GUSSETS:	
	► LEGS: 1 5/8" DIA. S/S TUBING	
	• S/S GUSSETS:	
	• ADJ. S/S BULLET FEET:	



PLAN VIEW
SCALE 3/4" = 1'-0"



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



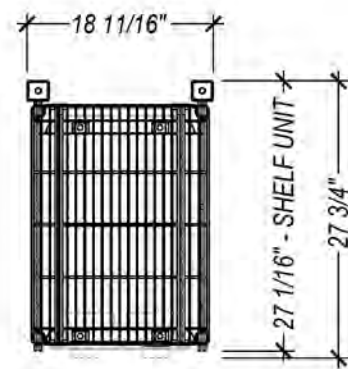
SECTION "A"
SCALE 1/2" = 1'-0"

PART NUMBER	
BPT-3060SEB	
MODEL NUMBER	
BPT-3060SEB	
ITEM NUMBER	QUANTITY
36	1

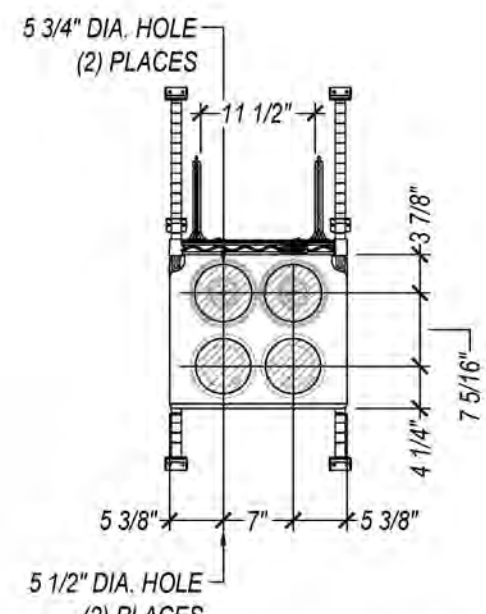
GENERAL NOTES		
PART #	PARTS & MATERIALS LIST	QTY.
	► 18" X 24" WIRE SHELF: CHROME	
	• WIRE SHELF DIVIDER: 24" CHROME	
	► POST WITH END WALL BRACKETS: 36"(L) CHROME	
	► POST BRACKET: CHROME	
	► WIRE SHELF: CHROME	
	► CUP DISPENSER BRACKET: 18/4 S/S	

BUYOUT SCHEDULE (BY OTHERS)			
EQUIPMENT			
A	CUP DISPENSER - SAN JAMAR "C2410C"	ITEM	QTY.
	FLANGE SIZE: 6 7/8"(DIA.) X 23 3/4"(D)		2
			FIELD
B	LID DISPENSER - VOLLRATH "LS03B-VS" (COFFEE LID)	ITEM	QTY.
	FLANGE SIZE: 5 7/8"(S. TO S.) X 7 1/16"(F. TO B.) X 23"(D)		2
			FIELD

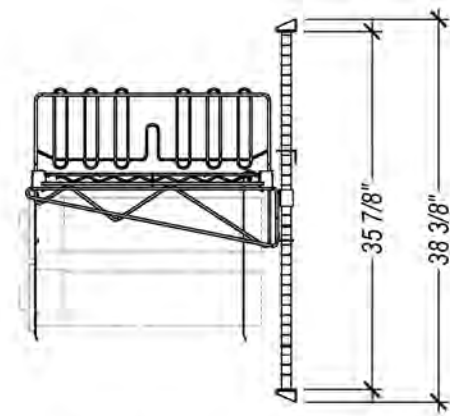
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☐ APPROVED	
☐ APPROVED AS NOTED	
☐ RESUBMIT	
APPROVED BY: _____	DATE: _____
TITLE: _____	



PLAN VIEW
SCALE 3/4" = 1'-0"



FRONT ELEVATION
SCALE 3/4" = 1'-0"

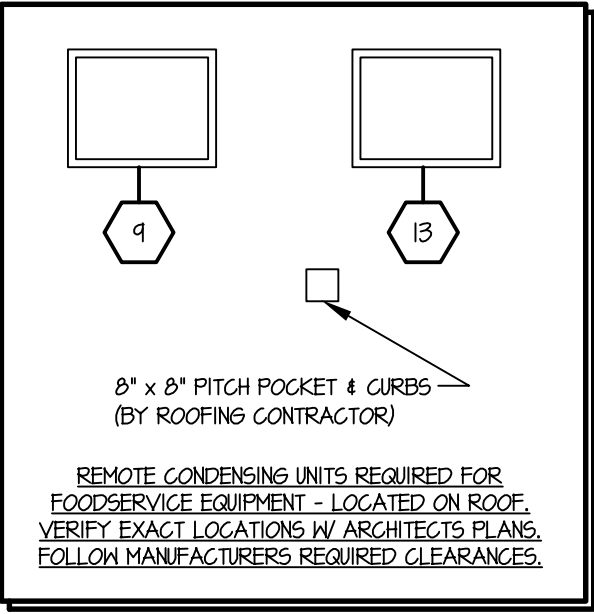
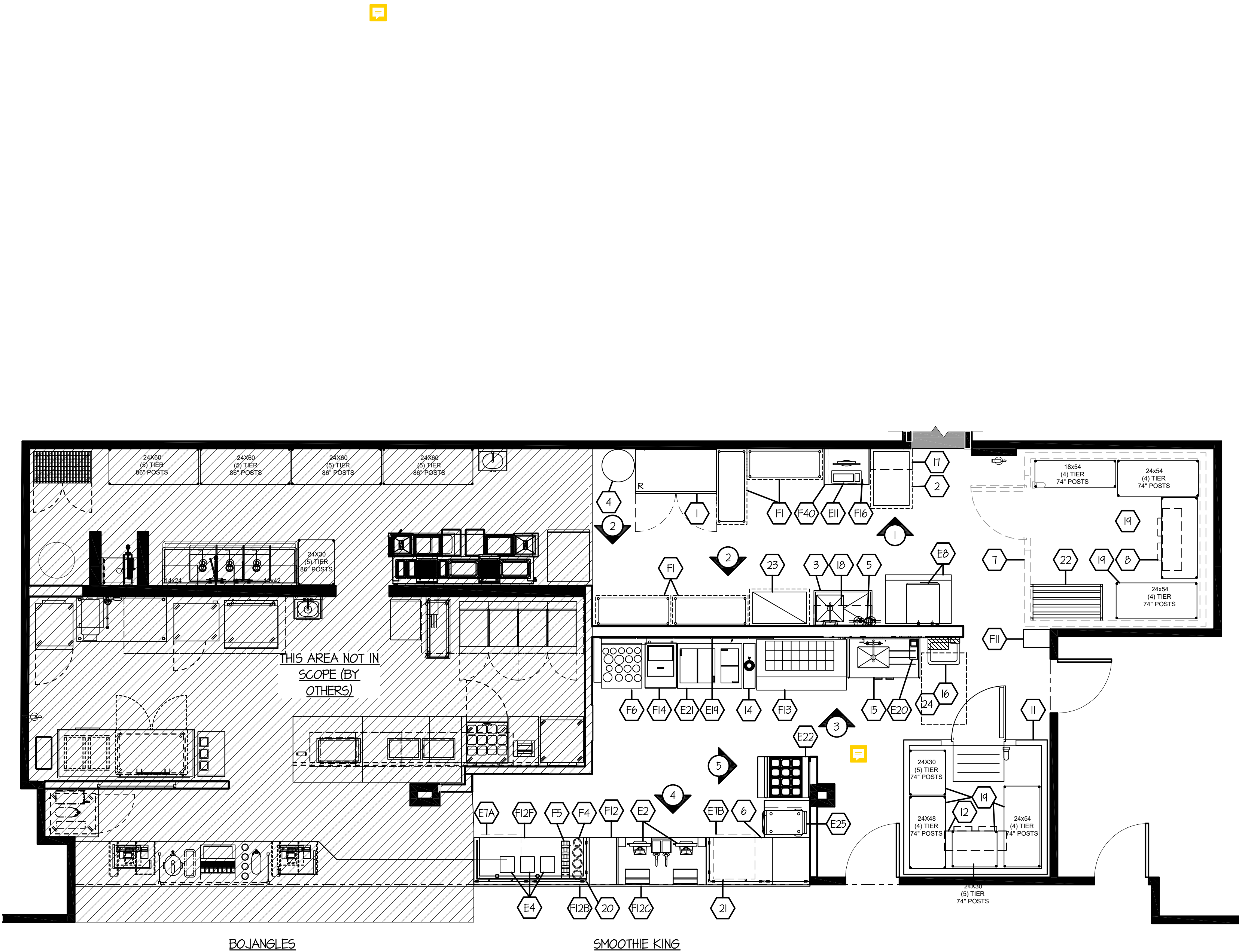


SIDE ELEVATION
SCALE 3/4" = 1'-0"

PART NUMBER	
YBOJ-CUPLDWAL-18-0001	
MODEL NUMBER	
CUP AND LID DISPENSER SHELF	
ITEM NUMBER	QUANTITY
29P	1

NTS; FOR REFERENCE ONLY

EQUIPMENT SCHEDULE	
Item No	Equipment Category
E2	POS (BY OWNER)
E3	ORDER PICK-UP COUNTERTOP REFRIGERATOR
E4	BLENDER
ETA	W/C FREEZER
ETB	W/C REFRIGERATOR
EB	ICE MACHINE & ICE BIN
EII	COMPUTER (BY OWNER)
E19	MENU BOARD (BY OWNER)
E20	AUTOMATIC WATER DISPENSER
E21	ICE CREAM CABINET
E22	REFRIGERATED PREP TABLE
E25	RAPID COOK OVEN
F1	STORAGE SHELVING
F4	CUP HOLDER
F5	LID HOLDER
F6	CUP COUNTER
F11	LOCKERS
F12	COUNTER (BY OTHERS)
F12B	KNEE WALL W/ LANDING SHELF (BY OTHERS)
F12C	POS COUNTER (BY OTHERS)
F12F	BLENDER TABLE (BY OTHERS)
F13	POUNDER TABLE (BY OTHERS)
F14	ICE BIN
F16	SAFE (BY OTHERS)
F40	DESK (BY OTHERS)
1	REACH-IN REFRIGERATOR
2	5/5 WORK TABLE
3	(1) COMPARTMENT SINK
4	TRASH RECEPTACLE (BY OWNER)
5	WATER FILTER
6	COUNTER (BY OTHERS)
7	WALK-IN COOLER (EXISTING / REMAIN)
8	COOLER EVAPORATOR COIL
9	COOLER CONDENSING UNIT
10	SPARE NUMBER
11	WALK-IN FREEZER
12	FREEZER EVAPORATOR COIL
13	FREEZER CONDENSING UNIT
14	DIPPER WELL TABLE
15	BLENDER SINK
16	HAND SINK
17	WALL SHELVING
18	WALL SHELVING
19	STORAGE SHELVING
20	SNEEZE GUARD
21	SNEEZE GUARD
22	DUNNAGE RACK
23	STORAGE SHELVING
24	SOAP & TOWEL DISPENSER (BY OWNER)



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

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NAVY EXCHANGE
1731 GILBERT ST C9
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No.	Description	Date

EQUIPMENT
PLAN

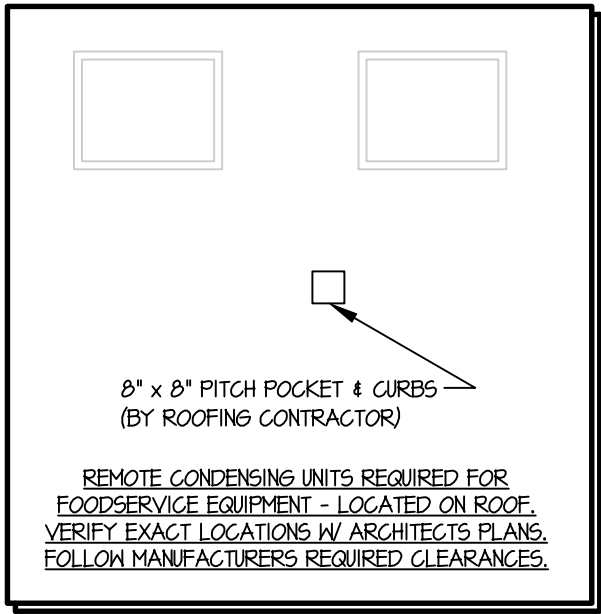
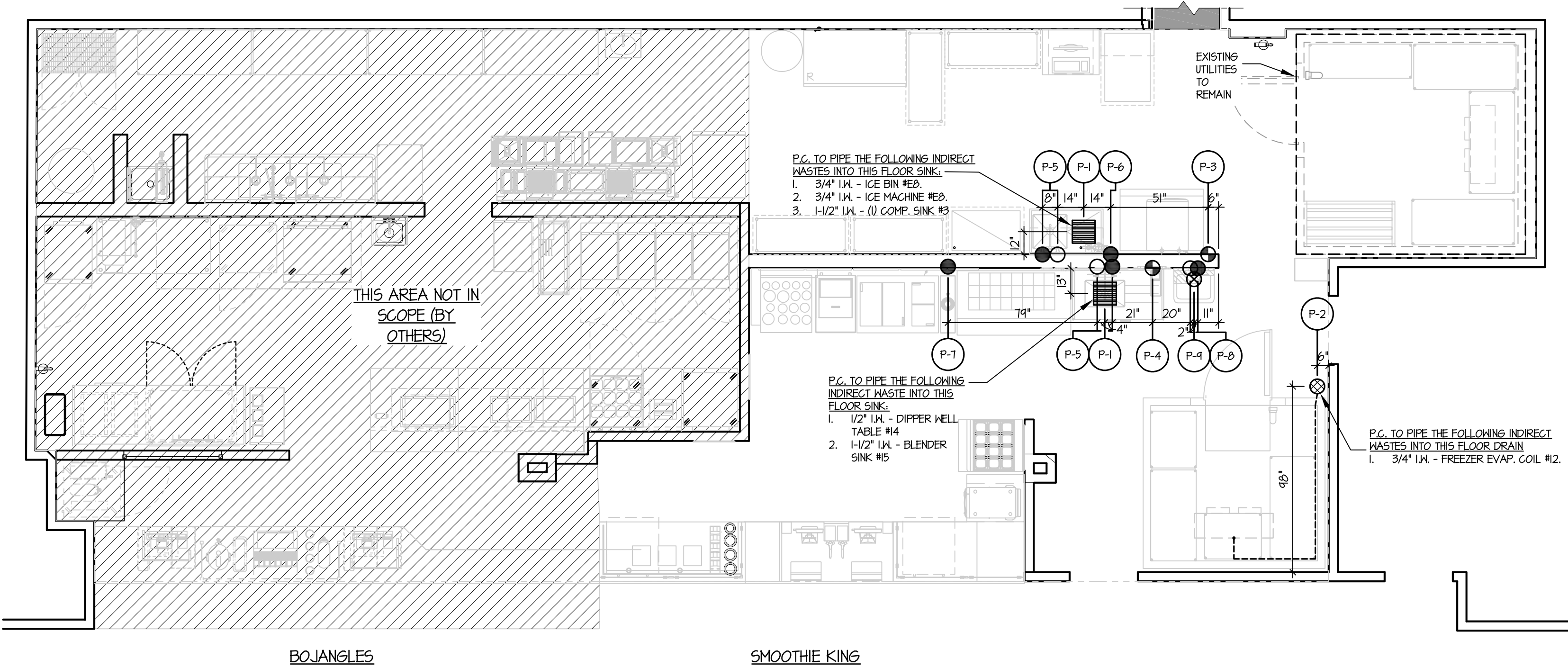
Project number
Date
Drawn by
Checked by

FS1.0

Scale1/4" = 1'-0"

PLUMBING NOTES	
1. ALL OUTLETS AND CONNECTIONS SHOWN ON THIS DRAWING RELATE TO FOODSERVICE EQUIPMENT ONLY. FOR ANY ADDITIONAL PLUMBING REQUIREMENTS, REFER TO ARCH. / ENG. DRAWINGS.	
2. THIS PLUMBING ROUGH-IN DRAWING IS INTENDED TO SHOW ALL ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION SIZES, AND LOAD REQUIREMENTS. ALL DIMENSIONS ARE SHOWN FROM THE FINISHED FLOOR AND FINISHED WALLS. ALL WALL LOCATIONS SHOULD BE VERIFIED WITH ARCHITECTURAL DRAWINGS.	
3. ALL FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE BY THE PLUMBING CONTRACTOR (P.C.). ALL REQUIRED MATERIAL (STOPS, VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING, ETC.) REQUIRED TO ASSURE PROPER INSTALLATION / OPERATION ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS AND LOCAL CODES SHALL BE BY THE PLUMBING CONTRACTOR.	- INDIRECT WASTE LINES FROM WALK-IN EVAPORATOR COILS SHALL BE PITCHED 3/4" PER FOOT OF HORIZONTAL RUN AND TERMINATE WITH A P-TRAP OVER FLOOR DRAIN OR APPROVED RECEPTOR WITH VACUUM BREAK AS REQUIRED BY LOCAL CODE. - INSTALL FIRE CONTROL GAS SHUT-OFF VALVES AS SUPPLIED BY THE FIRE PROTECTION SYSTEM SUBCONTRACTOR PER LOCAL CODES (ONLY WHEN GAS COOKING EQUIPMENT IS SPECIFIED). - VACUUM BREAKERS, AS REQUIRED, EXCEPT FOR DISHWASHERS AND DISPOSERS, BY THE KITCHEN EQUIPMENT CONTRACTOR. - INSULATION ON ALL STEAM, HOT WATER, AND CONDENSATE RETURN LINES WITHIN THE FOODSERVICE AREAS SHALL BE COLOR-CODED ACCORDING TO LOCAL CODES. - CLEAN-OUT VALVES FOR STEAM AND CONDENSATE RETURN LINES. - GAS REDUCERS AS NEEDED.
4. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND INSTALLING THE FOLLOWING: - ALL WATER, WASTE, GAS, AND STEAM SERVICES TO POINT OF ROUGH-IN AS SHOWN ON THIS DRAWING. ROUGH-IN OUTLETS TO STUB OUT OF WALLS 4" AT HEIGHT INDICATED FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. FLOOR ROUGH-INS TO STUB-UP 2", UNLESS SPECIFIED OTHERWISE, ABOVE FINISHED FLOOR OR CURBS. ALL FLOOR PENETRATIONS ARE TO BE SEALED WATERTIGHT. - PRESSURE REDUCING AND / OR REGULATING VALVES FOR DISHWASHERS, BOOSTER HEATERS, OR OTHERWISE NOTED IN ALL FOODSERVICE AREAS. - ALL FLOOR SINKS, COMPLETE WITH TOP GRATES INDICATED, AND REMOVABLE SEDIMENT BUCKETS ARE TO BE SET FLUSH WITH THE FLOOR, UNLESS SPECIFIED OTHERWISE OR REQUIRED BY LOCAL CODES. - ALL WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS NOTED, MINIMUM DIAMETER OF LINE SHALL BE AS INDICATED ON PLAN REGARDLESS OF CONNECTION SIZE, AND SHALL BE PITCHED DOWNWARD. MAINTAIN DRAIN LINES AS HIGH AS POSSIBLE ABOVE FLOOR FOR SANITATION AND CLEANING. ALL WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS.	5. PLUMBING CONTRACTOR, OR EQUIVALENT, SHALL INTERCONNECT DISHWASHER WITH BOOSTER HEATER AND WATER TYPE VENTILATORS WITH CONTROL PANELS AS REQUIRED PER THE MANUFACTURER'S INSTRUCTIONS, WHEN APPLICABLE AND NOTED.
	6. ALL VENT PIPES SHALL BE CONCEALED IN WALLS OR COLUMN CHASES, USE LOOP VENTS FOR ISLAND FIXTURES.
	7. ALL LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH INTENDED USE OF, OR SERVICING OF EQUIPMENT.
	8. PLUMBING CONTRACTOR TO MOUNT ALL FAUCETS AND WASTE ASSEMBLIES PROVIDED BY THE FOODSERVICE EQUIPMENT CONTRACTOR.

PLUMBING SCHEDULE	
CONNECTION NUMBER	DESCRIPTION
P-1	FLOOR SINK
P-2	FLOOR DRAIN
P-3	1/2" FH, (FROM FILTER #5), 12" AFF OOH - ICE MACHINE #E8
P-4	1/2" FH, (FROM FILTER #5), 48" AFF OOH - AUTOMATIC WATER DISPENSER #E20
P-5	1/2" HK, 1/2" CH, 10" AFF OOH - (1) COMPARTMENT SINK #5 & BLENDER SINK #15
P-6	3/4" CH, 90" AFF OOH (P.C. TO PIPE OUTGOING FILTERED WATER TO EQUIPMENT SHOWN) - WATER FILTER #5
P-7	1/2" CH, 12" AFF OOH - DIPPER WELL #14
P-8	1/2" HK, 1/2" CH, 22" AFF OOH - HAND SINK #24
P-9	1-1/2" H, 24" AFF OOH - HAND SINK #24



EQUIPMENT PLUMBING ROUGH IN PLAN

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

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LEGEND	
	CNR CHILLED WATER RETURN
	CWS CHILLED WATER SUPPLY
	CW COLD WATER
	CR CONDENSATE RETURN
	C CONDUIT
	DS DISCONNECT SWITCH
	DR DUPLEX RECEPTACLE
	FW FILTERED WATER
	FD FLOOR DRAIN
	FS FLOOR SINK
	G GAS
	HW HOT WATER
	JB JUNCTION BOX
	SR SINGLE RECEPTACLE
	SO SPECIAL OUTLET
	S STEAM
	SW SWITCH
	W WASTE PIPE
	A AMP
	AFC ABOVE FINISHED CEILING
	AFF ABOVE FINISHED FLOOR
	AHL AT WALL LINE
	DFA DOWN FROM ABOVE
	HP HORSE POWER
	IW IN WALL
	KW KILOWATT
	OOH OUT OF WALL
	SU STUB UP
	LOW LENGTH OF WALL

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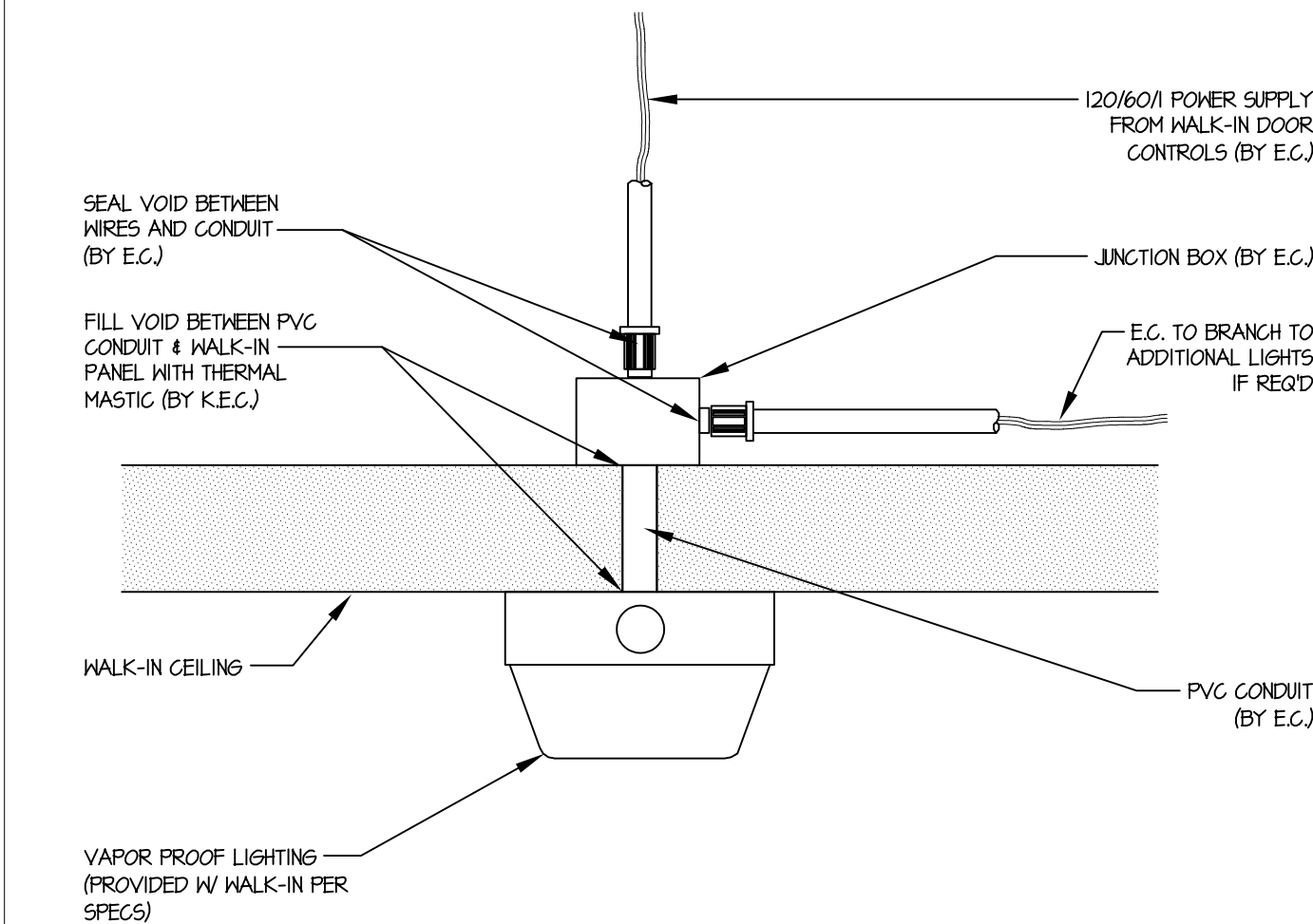
No.	Description	Date

EQUIPMENT PLUMBING ROUGH IN PLAN

Project number	
Date	
Drawn by	
Checked by	
FS2.0	
Scale	1/4" = 1'-0"

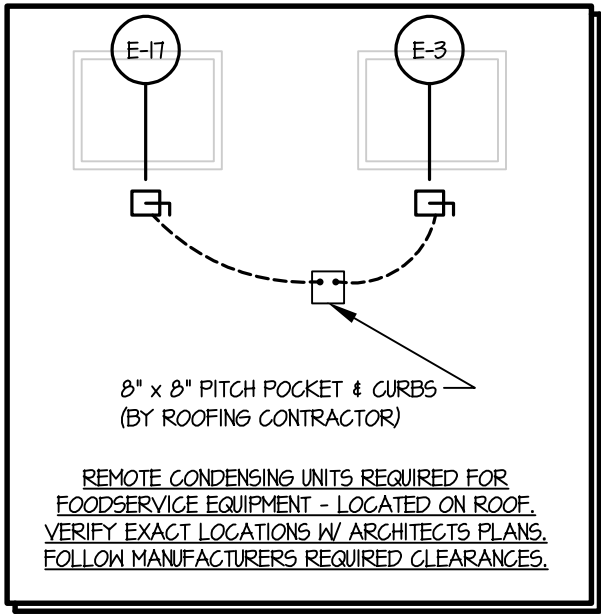
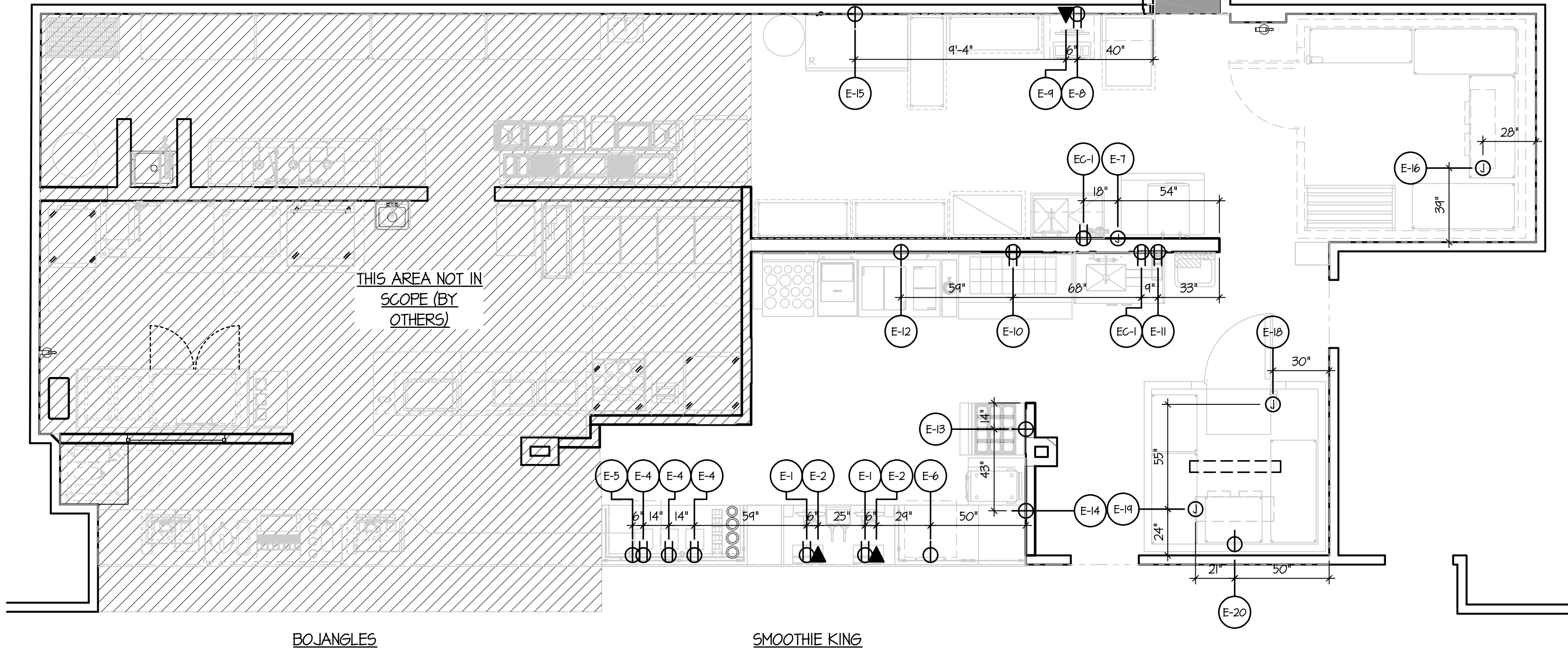
ELECTRICAL NOTES	
1.	ALL OUTLETS AND CONNECTIONS SHOWN ON THIS DRAWING RELATE TO FOODSERVICE EQUIPMENT ONLY. REFER TO THE ARCH. / ENG. DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
2.	THIS ELECTRICAL ROUGH-IN PLAN IS INTENDED TO SHOW ROUGH-IN OUTLET TYPES, HEIGHTS, LOCATIONS, AND LOAD REQUIREMENTS. ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS AND FINISHED FLOORS. VERIFY ALL WALL LOCATIONS SHOULD BE VERIFIED WITH ARCHITECTURAL DRAWINGS.
3.	ALL ELECTRICAL WORK FOR FABRICATED FOODSERVICE EQUIPMENT SHALL BE COMPLETELY WIRED BY THE FABRICATION CONTRACTOR TO A COMMON JUNCTION BOX, PULL BOX, OR CONTROL PANEL ON THE EQUIPMENT IN A ACCESSIBLE LOCATION. FINAL CONNECTIONS TO THE EQUIPMENT AND ALL ELECTRICAL WORK FROM THE MAIN PANEL BOARDS SHALL BE BY THE ELECTRICAL CONTRACTOR (E.C.).
4.	FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR, INCLUDING ALL MATERIALS.
5.	ELECTRICAL CONTRACTOR OR EQUIVALENT SHALL FURNISH AND INSTALL THE FOLLOWING: - ALL JUNCTION BOXES, OUTLETS, COVER PLATES, SWITCHES, ETC., NOT BUILT INTO THE KITCHEN EQUIPMENT. ALL JUNCTION BOXES, OUTLETS, COVER PLATES, ETC., IN DISHWASHES OR AS NOTED ON THE SCHEDULE SHALL BE MOISTURE PROOF. - ALL PLUGS AND CORDS AS NOTED ON THE SCHEDULE. ALL CORDS SHALL BE NEMA RATED AND UL APPROVED FOR MANUFACTURED AND FABRICATED EQUIPMENT. - SHUNT TRIP CIRCUIT BREAKERS OR DISCONNECTS FOR FIRE CONTROL SYSTEM SHUT-OFF OF FOODSERVICE EQUIPMENT BENEATH EXHAUST HOODS AS REQUIRED BY NFPA-96, LATEST EDITION AND LOCAL CODES. - DISCONNECTS OR OTHER DEVICES AS REQUIRED BY CODES, STARTERS. - ALL CONTROL WIRING FOR KITCHEN EQUIPMENT SYSTEMS.
6.	WHEN APPLICABLE, ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS (PROVIDED BY E.C.) AND INTERWIRE BETWEEN THE FOLLOWING: - REMOTE REFRIGERATION SYSTEMS TO EVAPORATOR COILS. - WALK-IN COOLER / FREEZER LIGHTS (RUN CONDUIT ABOVE COMPARTMENT CEILING). - REMOTE WALK-IN COOLER / FREEZER ALARM SYSTEMS (WHEN SPECIFIED). - CONTROL PANELS TO EXHAUST HOODS AND EXHAUST / SUPPLY FANS PER MANUFACTURER'S INSTRUCTIONS. - KITCHEN EXHAUST HOODS TO FIRE CONTROL SYSTEM AND SHUT-OFFS. - ICE MACHINE.

ELECTRICAL SCHEDULE	
CONNECTION NUMBER	DESCRIPTION
E-1	120/60/1, DR, (20A SERVICE), 24" AFF IN (E.C. TO VERIFY UTILITIES W/ OWNER) - POS #E2
E-2	DATA RECEPTACLE, JB, 24" AFF IN (E.C. TO EXTEND HOMERUN TO OFFICE, VERIFY LOCATION W/ OWNER) - POS #E2
E-3	208/60/1, DS, 10.1A (20A SERVICE), (ON ROOF) - FREEZER CONDENSING UNIT #13
E-4	120/60/1, DR, 16A, 24" AFF IN - BLENDER #E4
E-5	120/60/1, SR, 1.9A, 24" AFF IN - W/C FREEZER #E1A
E-6	120/60/1, SR, 2.1A, 24" AFF IN - W/C REFRIGERATOR #E1B
E-7	120/60/1, JB, 15.2A, 12" AFF IN - ICE MACHINE #E8
E-8	120/60/1, DR, (20A SERVICE), 48" AFF IN (E.C. TO VERIFY UTILITIES W/ OWNER) - COMPUTER #E11
E-9	DATA RECEPTACLE, JB, 48" AFF IN (E.C. TO EXTEND HOMERUN TO OFFICE, VERIFY LOCATION W/ OWNER) - COMPUTER #E11
E-10	120/60/1, DR, (20A SERVICE), 90" AFF IN (E.C. TO VERIFY UTILITIES W/ OWNER) - MENU BOARD #E14
E-11	120/60/1, DR, (15A SERVICE), 48" AFF IN - WATER DISPENSER #E20
E-12	120/60/1, SR, 3.2A, 24" AFF IN - ICE CREAM CABINET #E21
E-13	120/60/1, SR, 2.46A, 24" AFF IN - REFRIGERATED PREP TABLE #E22
E-14	208/60/1, SR, 30A, 48" AFF IN - RAPID COOK OVEN #E25
E-15	120/60/1, SR, 5.4A, 24" AFF IN - REACH-IN REFRIGERATOR #1
E-16	120/60/1, JB, 10A, 103" AFF DFA - COOLER EVAPORATOR COIL #8
E-17	208/60/1, DS, 5.8A, (20A SERVICE), (ON ROOF) - COOLER CONDENSING UNIT #1
E-18	120/60/1, JB, (20A SERVICE), 103" AFF DFA (E.C. TO INTERWIRE TO LIGHTS TO SWITCH IN DOOR) - WALK-IN FREEZER #11 (LIGHTS, DOOR HEATERS, ALARMS, ETC.)
E-19	208/60/1, JB, 8.2A, 103" AFF DFA - FREEZER EVAPORATOR COIL #12
E-20	120/60/1, SR, (20A SERVICE), 18" AFF IN (E.C. TO MOUNT SR ON INTERIOR WALK-IN WALL @ 84") - FREEZER EVAPORATOR COIL (HEAT TAPE) #12
EC-1	120/60/1, DR, (20A SERVICE), 48" AFF IN - CONVENIENCE RECEPTACLE



- NOTES:
- ALL CONDUITS TO BE RUN ON EXTERIOR OF WALK-IN.
 - ALL PENETRATIONS THRU WALK-IN ARE TO BE SEALED WITH THERMAL MASTIC (BY K.E.G.).
 - LIGHT FIXTURES TO BE SHIPPED LOOSE & INSTALLED BY K.E.G. FINAL CONNECTIONS BY E.C.
 - NO METAL CONDUIT INSIDE WALK-IN BOX. PVC ONLY.
 - ALL CONDUIT KNOCK OUTS IN LIGHT FIXTURE TO BE SEALED W/ SILICONE SEALANT (BY K.E.G.).

WALK-IN LIGHT INSTALLATION DETAIL



EQUIPMENT ELECTRICAL ROUGH IN PLAN

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

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LEGEND	
	GNR CHILLED WATER RETURN
	GWS CHILLED WATER SUPPLY
	CW COLD WATER
	CR CONDENSATE RETURN
	C CONDUIT
	DS DISCONNECT SWITCH
	DR DUPLEX RECEPTACLE
	FW FILTERED WATER
	FD FLOOR DRAIN
	FS FLOOR SINK
	G GAS
	HW HOT WATER
	JB JUNCTION BOX
	SR SINGLE RECEPTACLE
	SO SPECIAL OUTLET
	S STEAM
	SW SWITCH
	W WASTE PIPE
	A AMP
	AFC ABOVE FINISHED CEILING
	AFF ABOVE FINISHED FLOOR
	AHL AT WALL LINE
	DFA DOWN FROM ABOVE
	HP HORSE POWER
	IN IN WALL
	KH KILOWATT
	OOH OUT OF WALL
	SU STUB UP
	LOK LENGTH OF WALL

SILHOUETTE

DESIGN ARCHITECTURE

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Agile Engineering, Inc.

MECHANICAL
ELECTRICAL
PLUMBING

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FARIFAX, VA 22033

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Bojangles

SMOOTHIE
KING

NAVY EXCHANGE
1731 GILBERT ST C9
NORFOLK, VA 23511

No.	Description	Date

EQUIPMENT ELECTRICAL ROUGH IN PLAN

Project number	
Date	
Drawn by	
Checked by	
FS3.0	
Scale	1/4" = 1'-0"

SPECIAL CONDITIONS NOTES

1. ALL WORK INDICATED ON THIS PLAN AND IN THESE NOTES SHALL BE BY OTHER TRADES OTHER THAN THE KITCHEN EQUIPMENT CONTRACTOR UNLESS NOTED "BY KEC".

2. WALLS, FLOORS, AND CEILINGS IN THE KITCHEN, PREP, SERVICE, AND DISHWASHING AREAS OR ANY OTHER AREA WHERE FOOD AND BEVERAGE ARE PREPARED SHALL BE SMOOTH, EASILY CLEANABLE, NON-ABSORBENT, AND DURABLE. WALLS AND CEILINGS SHALL BE LIGHT COLORED.

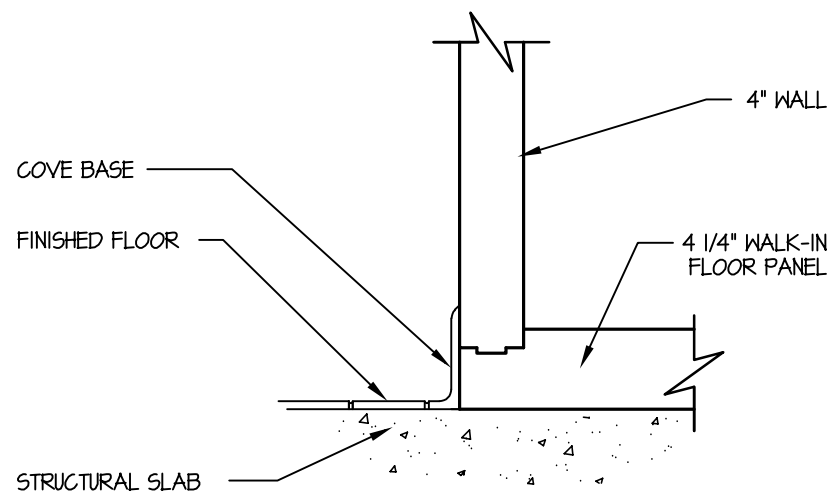
3. PARTITION WALLS BETWEEN KITCHEN AREAS AND PUBLIC AREAS SHALL BE CONSTRUCTED FOR MAXIMUM SOUND CONTROL.

4. FINAL DUCT CONNECTIONS SHALL BE BY MECHANICAL CONTRACTOR OR EQUIVALENT UNLESS OTHERWISE NOTED.

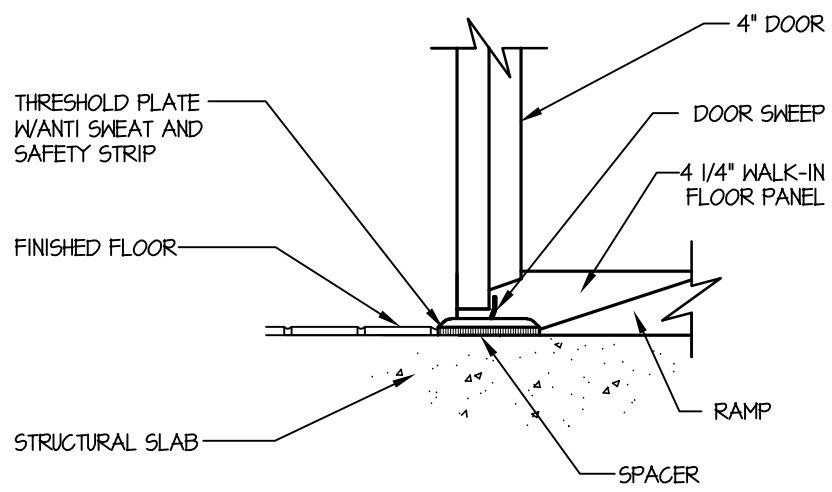
5. FLOOR LOADING CAPACITY SHALL BE A MINIMUM OF 100 LBS. PER SQUARE FOOT OR AS REQUIRED BY LOCAL CODES.

6. GENERAL CONTRACTOR (G.C.), OR EQUIVALENT SHALL:

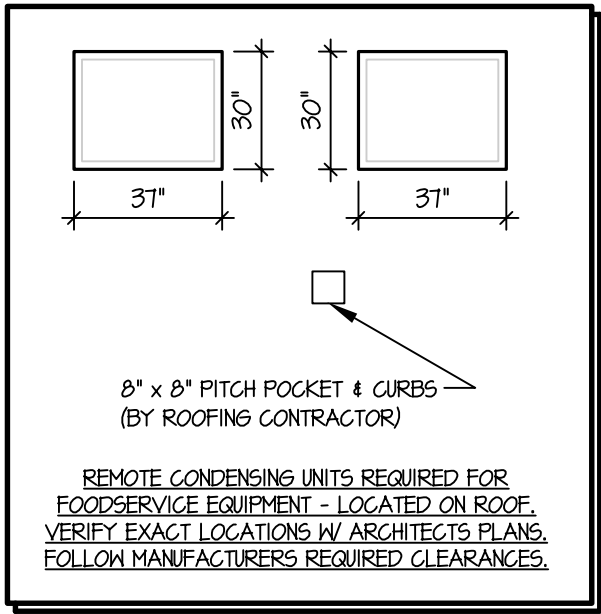
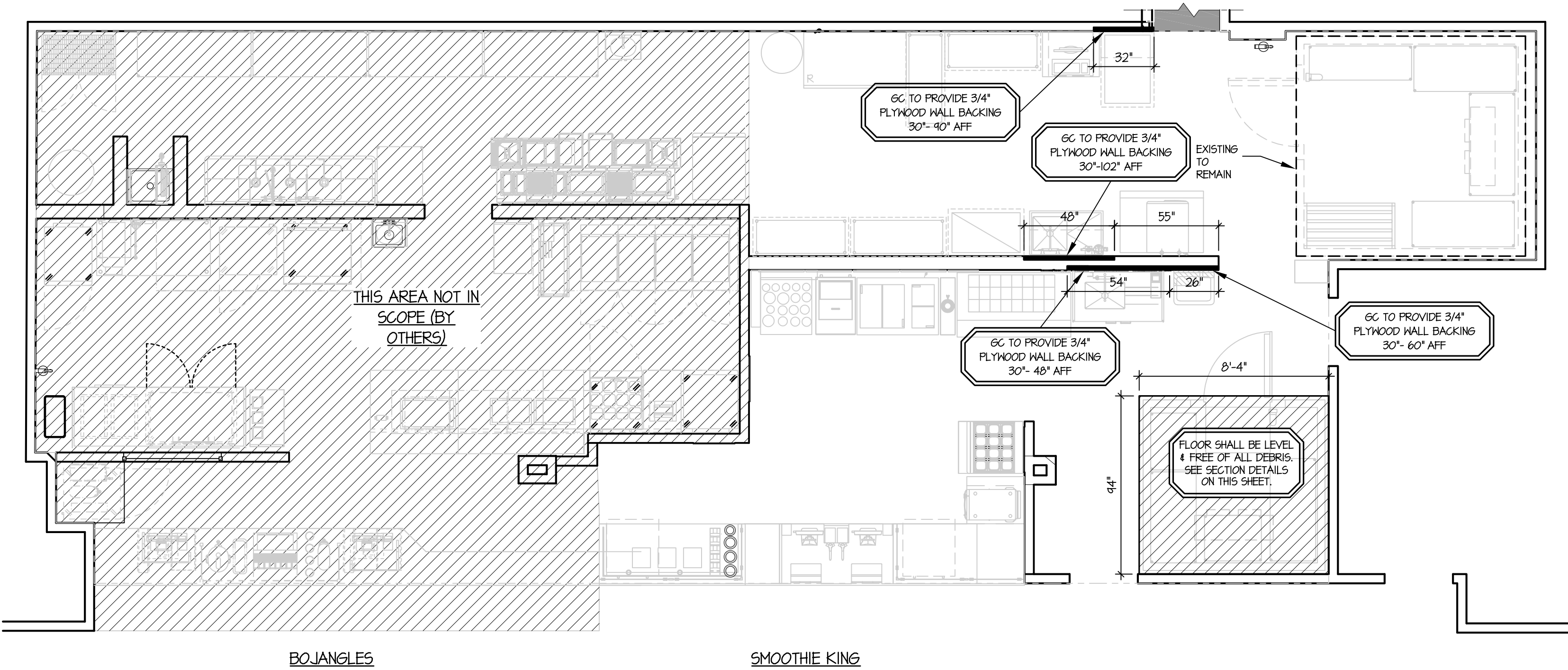
- PROVIDE IN-WALL REINFORCING OR BACKING (AS REQUIRED) FOR WALL MOUNTED EQUIPMENT. COORDINATE WITH K.E.C.
- PROVIDE WALK-IN COOLER / FREEZER FLOOR DEPRESSIONS, SMOOTH TRANSIT-LEVEL, WHERE DEPRESSIONS ARE REQUIRED. DEPTH WILL BE AS NOTED ON DRAWINGS.
- FILL EXCESS DEPRESSIONS AROUND WALK-IN COOLER / FREEZER WITH GROUT, FINISH FLOOR MATERIAL, AND COVERED BASE AFTER WALK-IN IS INSTALLED BY K.E.C.
- PROVIDE FIRE-RATED MATERIALS AND / OR INSULATION AS REQUIRED FOR EXHAUST DUCTS, VENT STACKS, ROOF / WALL PENETRATIONS, ETC., PER LOCAL CODES.
- PROVIDE FIRE RATED PARTITIONS WHERE NOTED AROUND COOKING / HEAT PRODUCING EQUIPMENT PER LOCAL CODES.
- PROVIDE COVERED BASE MOLDING OR COVERED INTERGRAL FLOOR MATERIALS AS REQUIRED AT ALL VERTICAL SURFACES OF KITCHEN FLOORS.
- PROVIDE 1/2" DIAMETER MIN. HANGER RODS FROM STRUCTURE ABOVE CEILING AS REQUIRED FOR VENTILATORS AND CEILING MOUNTED EQUIPMENT, WHERE NOTED.



WALK-IN EXTERIOR WALL SECTION



WALK-IN COOLER DOOR SECTION



SPECIAL CONDITIONS PLAN

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

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No.	Description	Date

SPECIAL
CONDITIONS PLAN

Project number

Date

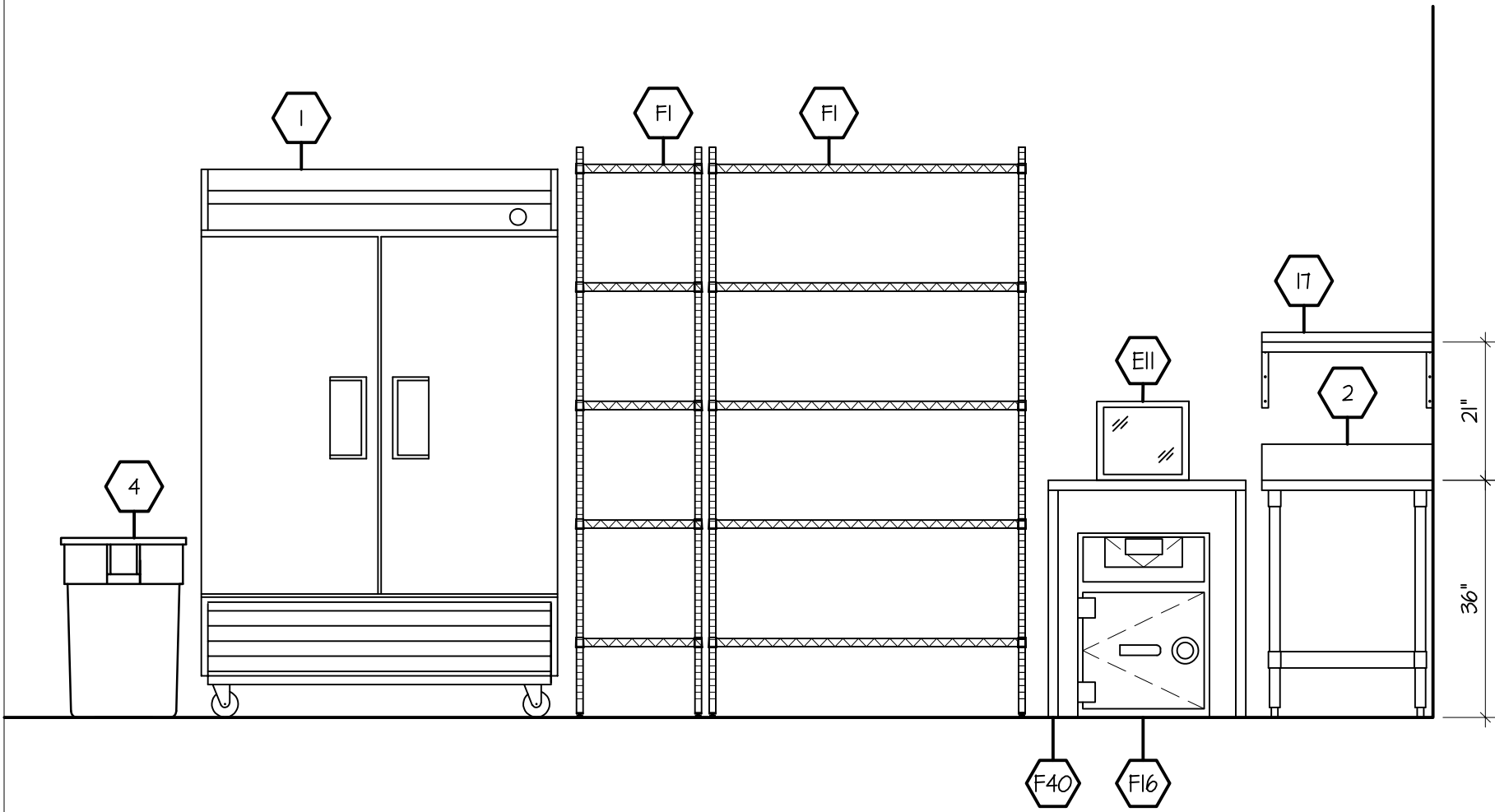
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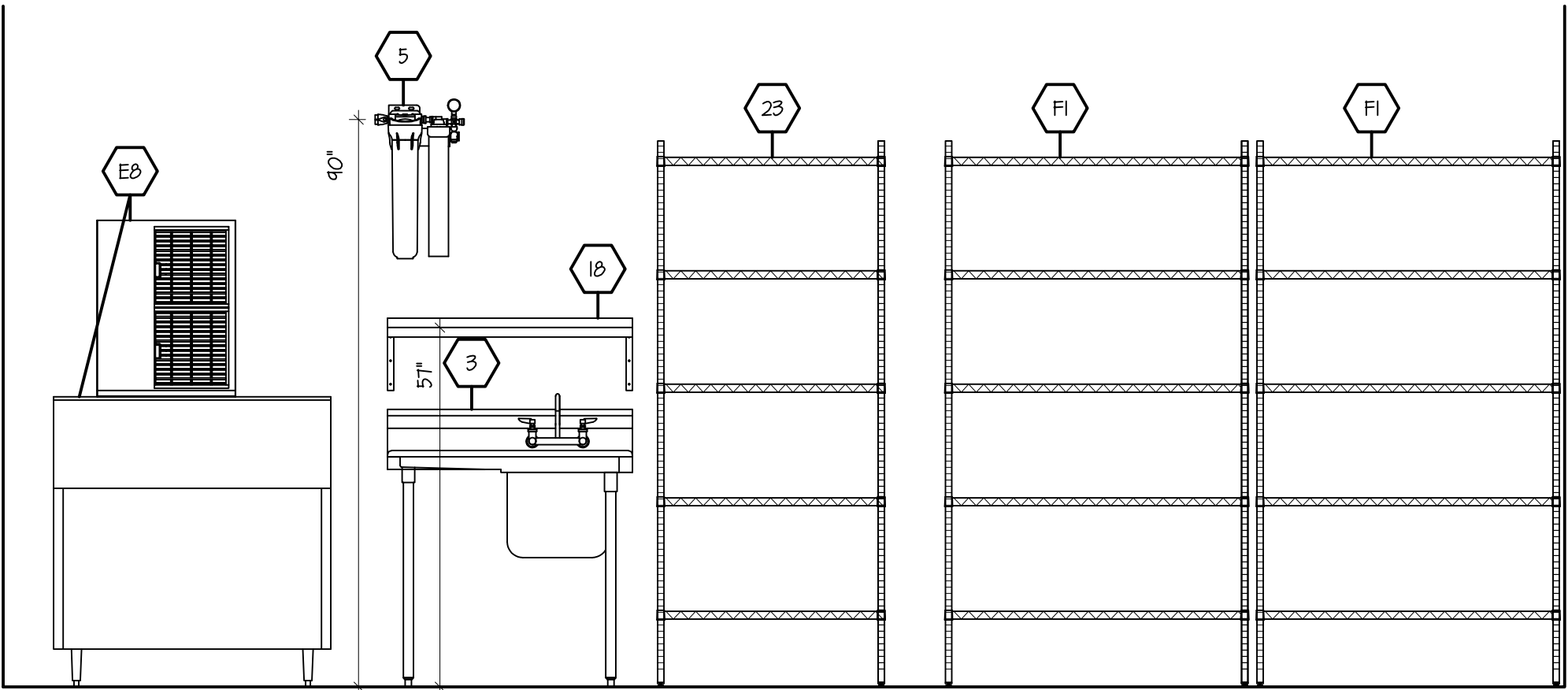
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Scale

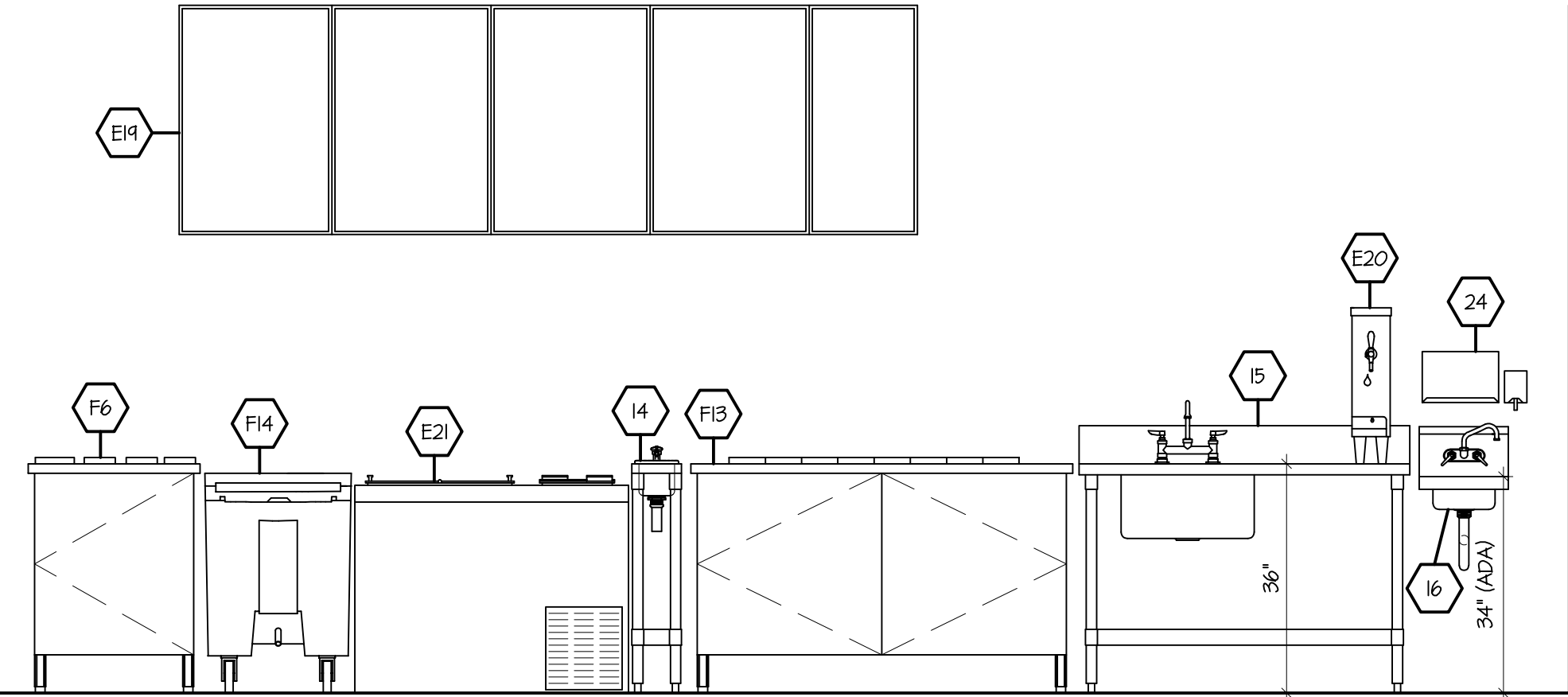
1/4" = 1'-0"



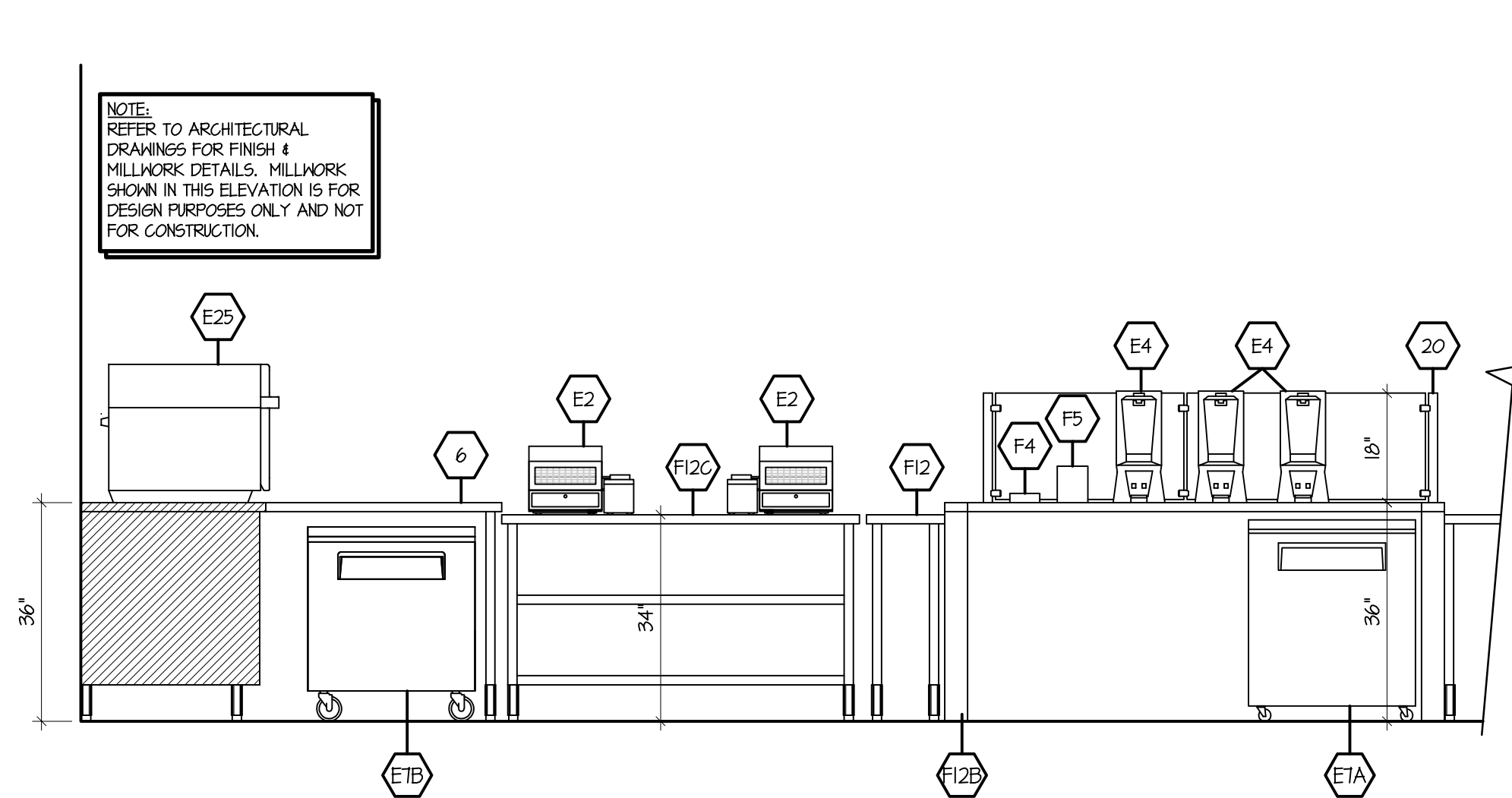
ELEVATION #1
SCALE: 1/2" = 1'-0"



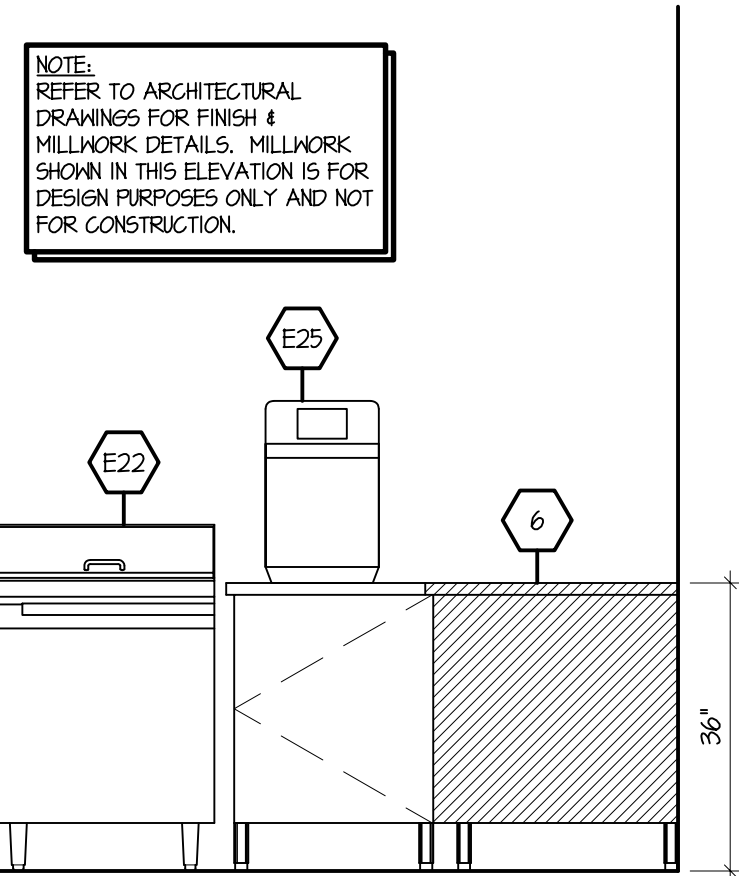
ELEVATION #2
SCALE: 1/2" = 1'-0"



ELEVATION #3
SCALE: 1/2" = 1'-0"



ELEVATION #4
SCALE: 1/2" = 1'-0"



ELEVATION #5
SCALE: 1/2" = 1'-0"

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No.	Description	Date

ELEVATIONS

Project number

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Checked by

FS5.0

Scale

1/2" = 1'-0"

GENERAL REQUIREMENT

1. ALL TENANT UTILITIES ASSOCIATED WITH THE LEASE SPACE OUTSIDE OF THE ENVELOPE OF THE LEASE SPACE SHALL BE LABELED WITH THE SPACE NUMBER AND CURRENT TENANTS NAME AT EVERY JUNCTION BOX OR SUPPORT. WHERE THE UTILITY PENETRATES A STRUCTURE, IT SHALL BE LABELED AT THE ENTRY AND EXIT POINTS OF THE WALL, CEILING, OR FLOOR STRUCTURE.
2. ALL UTILITIES SHALL BE INSTALLED AT THE HIGHEST POSSIBLE ELEVATION BASED ON THE BUILDING STRUCTURE IN THAT AREA.
3. A MINIMUM 18" OF CLEARANCE SHALL BE MAINTAINED BETWEEN THE FACE OF ANY BASE BUILDING STRUCTURE, EQUIPMENT, RAILINGS, WINDOW WALLS, ETC. AND ANY TENANT INSTALLED FEATURES.
4. NEC REQUIRES A MINIMUM SAFE ZONE OF 3 FEET CLEAR FROM THE "FACE" OF A ELECTRICAL PANEL TO A HEIGHT OF 6 FEET ABOVE THE FINISH FLOOR OR 1 FOOT ABOVE THE TOP OF THE PANEL, WHICHEVER IS THE GREATEST HEIGHT. MAINTAIN A MINIMUM OF 6 INCHES CLEAR FROM EITHER SIDE OF THE PANEL TO A HEIGHT OF 6 FEET ABOVE FINISH FLOOR OR 1 FOOT ABOVE THE TOP OF THE PANEL, WHICHEVER IS THE GREATEST HEIGHT. THE SAFE ZONE AND A PATHWAY TO THE PANEL SHOULD BE KEPT CLEAR AT ALL TIMES.

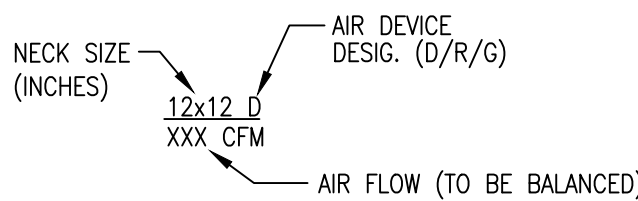
GENERAL NOTES

1. WORK SHALL CONFORM TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND THE LATEST APPLICABLE INTERNATIONAL MECHANICAL AND PLUMBING CODE AND THE NATIONAL ELECTRIC CODE. WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA 70, THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE, OSHA AND NATIONAL SAFETY CODE REQUIREMENTS.
2. THE SCOPE OF WORK INDICATED IN THESE DOCUMENTS SHALL INCLUDE MECHANICAL AND ELECTRICAL SYSTEMS, FULLY ADJUSTED, TESTED AND READY TO USE. PROVIDE ITEMS NECESSARY TO COMPLETE THE SYSTEMS. EXAMINE WORK INDICATED FOR TRADES IN ORDER TO DETERMINE THE EXTENT OF THE WORK REQUIRED TO BE COMPLETED.
3. IT IS THE INTENTION OF THESE DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE, TESTED AND READY FOR USE."
4. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL PROVIDE ITEMS NECESSARY FOR A PROPERLY WORKING SYSTEM IN COMPLIANCE WITH ACCEPTED INDUSTRY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
5. PRIOR TO BID, THE CONTRACTOR SHALL VISIT THE SITE AND IDENTIFY ITEMS THAT MAY AFFECT THEIR BID. PRIOR TO THE INSTALLATION, FABRICATION, REMOVAL, OR RELOCATION OF ANY WORK, THE CONTRACTORS SHALL REVIEW THE ACTUAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND SHALL COORDINATE WORK WITH THE PLANS, EXISTING EQUIPMENT AND SYSTEMS, BUILDING STRUCTURE AND WORK OF OTHER TRADES. WHERE CONFLICTS OCCUR, OR IF CONNECTIONS THERETO CAN NOT BE MADE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER PRIOR TO MATERIAL FABRICATION OR INSTALLATION.
6. WHERE THE WORK OF VARIOUS TRADES WILL BE INSTALLED IN CLOSE PROXIMITY TO ONE ANOTHER OR WHERE THERE IS EVIDENCE THAT THE WORK OF ONE TRADE WILL INTERFERE WITH WORK OF ANOTHER, THE CONTRACTOR SHALL WORK OUT SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF THE CONTRACTOR ALLOWS ONE TRADE TO INSTALL HIS WORK BEFORE COORDINATING WITH WORK OF OTHER TRADES THE CONTRACTOR SHALL MAKE NECESSARY CHANGES TO CORRECT THE CONDITIONS IN A MANNER ACCEPTABLE TO THE OWNER AND THE CONTRACTOR SHALL BEAR THE COST OF SUCH CORRECTIONS.
7. THE CONTRACTOR SHALL LOCATE EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITION. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, MOTORS, CONTROLLERS, DRAIN PANS, ETC. IF REQUIRED FOR ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY.
8. WORK IN OCCUPIED SPACE SHALL BE COORDINATED WITH THE OWNER. SHOULD ANY OUTAGES BE REQUIRED IN THE COURSE OF THIS PROJECT, THE CONTRACTOR SHALL COORDINATE SUCH OUTAGES WITH THE OWNER, SCHEDULING ANY OUTAGES DURING THE NON WORKING HOURS, SO AS NOT TO EFFECT FACILITY OPERATIONS, 72 HOURS NOTICE WILL BE REQUIRED PRIOR TO ANY OUTAGE. NO OUTAGE MAY BE EXECUTED PRIOR TO APPROVAL OF THE OWNER.
9. THE WORK SHALL BE OF A PHASED NATURE, AND AT ALL TIMES, THE EXISTING SYSTEM SHALL BE LEFT IN A FUNCTIONAL STATE. THIS WILL REQUIRE TEMPORARY PIPE AND DUCT CAPPING NOT SPECIFICALLY SHOWN ON DRAWINGS.
10. THE CONTRACTOR SHALL LEAVE THE ENTIRE MECHANICAL SYSTEM INSTALLED UNDER THIS CONTRACT IN PROPER WORKING ORDER AND SHALL, WITHOUT CHARGE, REPLACE ANY WORK OR MATERIALS WHICH DEVELOP DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
11. THE CONTRACTOR SHALL, DURING THE ONE YEAR WARRANTY PERIOD, BE RESPONSIBLE FOR PROPER REPAIR AND ADJUSTMENTS OF MECHANICAL SYSTEMS AND EQUIPMENT, APPARATUS, DEVICES ETC. INSTALLED BY HIM, AND DO WORK NECESSARY TO ENSURE EFFICIENT AND PROPER FUNCTIONING.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL INCUR FINANCIAL RESPONSIBILITIES FOR, ANY DAMAGES CAUSED BY OR RESULTING FROM DEFECTS IN HIS WORK.
13. WHEREVER PIPES, CONDUITS, OR OTHER ITEMS PASS THROUGH FIRE RATED WALLS AND FLOORS, THE SPACE BETWEEN THE ITEM AND THE MASONRY OR THE SPACE BETWEEN THE ITEM AND THE SLEEVE SHALL BE ADEQUATELY FIRE STOPPED WITH A NON COMBUSTIBLE, NON MELTING MATERIAL IN ACCORDANCE WITH NFPA STANDARDS.
14. WALL OPENINGS RESULTING FROM DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH EXISTING.
15. FINISHES DAMAGED DURING THE PROJECTS SHALL BE REPAIRED TO MATCH EXISTING.
16. ALL UTILITIES ARE TO BE NEW.

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	BREAK LINE
	DUCT DROP IN DIRECTION OF ARROW
	DUCT RISE IN DIRECTION OF ARROW
	VOLUME DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	DUCTWORK SIZE IN INCHES
	SQUARE TO SQUARE/ROUND TO ROUND DUCTWORK TRANSITION
	SQUARE TO ROUND DUCTWORK TRANSITION
	FLEXIBLE DUCTWORK
	SUPPLY AIR DEVICE
	RETURN AIR DEVICE
	EXHAUST AIR DEVICE
	THERMOSTAT
	PIPE DOWN
	PIPE UP
	SHUT-OFF VALVE
	BALANCING VALVE
	PROPORTIONAL VALVE
	POINT OF DISCONNECTION FROM EXISTING
	POINT OF CONNECTION, NEW TO EXISTING
	SYMBOL FOR SPECIFIC NOTE, NOTE APPLIES TO DRAWING ON WHICH IT OCCURS.

DESIGNATIONS



●	AT	MA	MIXED AIR
ABV	ABOVE	MAV	MANUAL AIR VENT
AD	ACCESS DOOR	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
AHU	AIR HANDLING UNIT	MECH	MECHANICAL
APD	AIR PRESSURE DROP	MFD	MOTORIZED FIRE DAMPER
APPROX	APPROXIMATELY	MFR	MANUFACTURER
ATC	AUTOMATIC TEMPERATURE CONTROL	MIN	MINIMUM
BHP	BRAKE HORSEPOWER	MOD	MOTOR OPERATED DAMPER
BLDG	BUILDING	MTD	MOUNTED
BLW	BELOW	MVD	MANUAL VOLUME DAMPER
BP	BYPASS	NC	NOISE CRITERIA OR NORMALLY CLOSED
BTM	BOTTOM	NIC	NOT IN CONTRACT
BTU/HR	BRITISH THERMAL UNITS PER HOUR	NOM	NOMINAL
BV	BALANCING VALVE	NO	NORMALLY OPEN
		No	NUMBER
C	COMMON	OA	OUTDOOR AIR
°C	DEGREES CELSIUS	OAI	OUTDOOR AIR INTAKE
CD	CONDENSATE DRAIN	OAT	OUTDOOR AIR TEMPERATURE
CFM	CUBIC FEET PER MINUTE	OC	ON CENTER
CHWR	CHILLED WATER RETURN PIPE	OD	OPEN END DUCT WITH 1/2" WIRE MESH SCREEN
CHWS	CHILLED WATER SUPPLY PIPE		
CLG	CEILING	%	PERCENT
CONN	CONNECT, CONNECTION	PH	PHASE
CX	CONNECT TO EXISTING	POD	POINT OF DISCONNECTION
		PR	PRESSURE RELIEF
D	SUPPLY AIR DIFFUSER OR DEEP, DEPTH	PRESS, P	PRESSURE
DB	DECIBEL OR DRY BULB	PS	PRESSURE SENSOR
DDC	DIRECT DIGITAL CONTROL	PSI	POUNDS PER SQUARE INCH POUNDS
DIA, Ø	DIAMETER	PSIG	PER SQUARE INCH GAUGE
DIFF	DIFFERENTIAL		
DN	DOWN		
DWG	DRAWING	R	RETURN
EA	EXHAUST AIR	RA	RETURN AIR
EAT	ENTERING AIR TEMPERATURE	REQ'D	REQUIRED
EDB	ENTERING DRY BULB	RF	RETURN FAN
EFF	EFFICIENCY	RH	RELATIVE HUMIDITY
EF	EXHAUST FAN	RL	RELOCATED
ELEC	ELECTRIC	RLA	RUNNING LOAD AMPERES
ELEV	ELEVATION OR ELEVATOR	RM	ROOM
ER	EXISTING TO BE RELOCATED	RPM	REVOLUTIONS PER MINUTE
ESP	EXTERNAL STATIC PRESSURE	RX	REMOVE EXISTING
EWB	ENTERING WET BULB	SA	SUPPLY AIR
EWT	ENTERING WATER TEMPERATURE	SAT	SATURATED
EX	EXISTING	SD	SMOKE DAMPER
EXH	EXHAUST	SENS	SENSIBLE
		SF	SUPPLY FAN OR SQUARE FEET
F	FILTER	S/M	SHEET METAL
*F	DEGREES FAHRENHEIT	SP	STATIC PRESSURE
FC	FLEXIBLE CONNECTION	SPD	STATIC PRESSURE DROP
FD	FIRE DAMPER OR FOUNDATION DRAINAGE	SPEC	SPECIFICATION
FL	FLOOR	SO	SQUARE
FLA	FULL LOAD AMPERES	SQ FT	DROP SQUARE FOOT
FPM	FEET PER MINUTE	SS	START/STOP
FPS	FEET PER SECOND	S/S	STAINLESS STEEL
FT, °	FOOT, FEET OR FLASH TANK	STL	STEEL
FT °HD	FEET OF HEAD		
		T	TEMPERATURE DROP
G	RETURN/EXHAUST GRILLE	TEMP, T	TEMPERATURE
GAL	GALLON, GALLONS	TG	TRANSFER GRILLE
GPM	GALLONS PER MINUTE	TSP	TOTAL STATIC PRESSURE
		TYP	TYPICAL
H	HIGH, HEIGHT	UON	UNLESS OTHERWISE NOTED
HP	HORSEPOWER		
HWR	HEATING WATER RETURN	V	VOLTS, VACUUM PIPE
HWS	HEATING WATER SUPPLY	VD	VOLUME DAMPER
HZ	HERTZ	VEL	VELOCITY
		VENT	VENTILATION
IN, "	INCH, INCHES	ISOL VLV	ISOLATION VALVE
KW	KILOWATTS	W	WIDTH
		W/	WITH
L	LONG, LENGTH	WB	WET BULB
LAT	LEAVING AIR TEMPERATURE	WC	WATER COLUMN
LBS	POUNDS	W/O	WITHOUT
LBS/HR	POUNDS PER HOUR		
LD	LINEAR DIFFUSER		
LDB	LEAVING DRY BULB		
LF	LINEAR FEET		
LR	LINEAR RETURN		
LWB	LEAVING WET BULB		
LWT	LEAVING WATER TEMPERATURE		

ABBREVIATIONS

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2/5/2026

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No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

MECHANICAL
LEGEND
AND NOTES

Project number 2025-048
Date 12/05/2025
Drawn by Author
Checked by Checker

M0.1

Scale

SPECIFICATIONS

1.1 DEFINITIONS

- A. "PROVIDE MEANS FURNISH AND INSTALL."
- B. "FURNISH" MEANS "TO PURCHASE AND DELIVER TO THE PROJECT SITE COMPLETE WITH NECESSARY APPURTENANCE AND SUPPORT."
- C. "INSTALL" MEANS "TO UNLOAD AT THE DELIVERY POINT AT THE SITE AND PERFORM EVERY OPERATION NECESSARY TO ESTABLISH SECURE MOUNTING AND CORRECT OPERATION AT THE PROPER LOCATION IN THE PROJECT."

1.2 CONTRACT DOCUMENTS

- A. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE WORK WITH WORK OF OTHER CONTRACTORS AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. REMOVE ALL DEBRIS CAUSED BY THIS CONTRACTOR'S WORK.
- B. GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.
- C. PRIOR TO COMMENCING WORK, CONTRACTOR SHALL SUBMIT SIX COPIES OF THE SHOP DRAWINGS AND EQUIPMENT DATA FOR MATERIALS AND EQUIPMENT TO THE OWNER FOR REVIEW AND APPROVAL. MATERIALS AND EQUIPMENT SHALL NOT BE INSTALLED BEFORE SHOP DRAWINGS ARE REVIEWED AND APPROVED. SCHEDULE AT LEAST FIVE WORKING DAYS, EXCLUSIVE OF TRANSMITTAL TIME, FOR SUBMITTAL REVIEW.
- D. DEVIATION FROM CONTRACT DOCUMENTS, OR PROPOSED SUBSTITUTION OF MATERIALS OR EQUIPMENT FOR THOSE SPECIFIED, SHALL BE REQUESTED IN SEPARATE LETTER, WHETHER DEVIATIONS ARE DUE TO FIELD CONDITIONS, STANDARD SHOP PRACTICE OR OTHER CAUSE.
- E. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL DRAWINGS OF THIS SECTION.
- F. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEADROOM AT ALL TIMES. DO NOT RUN PIPES AND DUCTS EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, SO THAT COMPLETED INSTALLATION SHALL OPERATE SAFELY AND EFFICIENTLY.
- G. AS WORK PROGRESSES AND FOR DURATION OF CONTRACT, MAINTAIN COMPLETE SET OF PRINTS OF CONTRACT DRAWINGS AT JOB SITE AT ALL TIMES. RECORD WORK COMPLETED AND ALL CHANGES FROM ORIGINAL CONTRACT DRAWINGS CLEARLY AND ACCURATELY INCLUDING WORK INSTALLED AS A MODIFICATION OR ADDITION TO THE ORIGINAL DESIGN.

PART 2- PRODUCTS

2.1 DUCTWORK AND AIR DISTRIBUTION EQUIPMENT

- A. REFERENCE STANDARDS
1. MATERIAL, CONSTRUCTION AND INSTALLATION SHALL MEET REQUIREMENTS OF MOST RECENT EDITIONS OF THE FOLLOWING STANDARDS AND REFERENCES, EXCEPT FOR MORE STRINGENT REQUIREMENTS SPECIFIED OR SHOWN ON DRAWINGS:
- | STANDARD | AS APPLICABLE TO |
|--|---|
| SMACNA HVAC DUCT CONSTRUCTION STANDARDS (METAL AND FLEXIBLE) | SHEET METAL DUCTWORK; DUCT LINERS; ADHESIVES; FASTENERS; FLEXIBLE DUCTWORK. |
| NFPA 90A | FIRE DAMPERS; FIRE RESISTANCE STANDARDS FOR DUCTS AND LINERS |
| SMACNA GUIDELINES FOR WELDING SHEET METAL | WELDED GALVANIZED, BLACK IRON AND STAINLESS STEEL DUCTWORK |
2. PROVIDE VERTICAL AND HORIZONTAL SUPPORTS AS REQUIRED BY CODES TO MEET MINIMUM APPLICABLE EARTHQUAKE RESISTANCE STANDARDS.
3. DUCTWORK SHALL BE FREE FROM VIBRATION UNDER ALL CONDITIONS OF OPERATION. DIMENSIONS SHOWN ON DRAWINGS FOR LINED DUCTWORK ARE NET INSIDE DIMENSIONS. INCREASE DUCTWORK TO ACCOMMODATE LINING REQUIREMENTS.
4. PIPE OR CONDUIT CROSSING DUCT:
- A. NO PIPE, CONDUIT, HANGER, ARCHITECTURAL ELEMENT NOR STRUCTURAL MEMBER SHALL PASS THROUGH DUCT WITHOUT OWNER'S WRITTEN APPROVAL.
5. WHEN MAKING OFFSETS AND TRANSFORMATIONS NECESSARY TO ACCOMMODATE STRUCTURAL CONDITIONS, PRESERVE FULL CROSS-SECTIONAL AREA OF DUCTWORK SHOWN ON DRAWINGS.
6. DUCTWORK SHALL HAVE PRESSURE-VELOCITY CLASSIFICATIONS AS FOLLOWS:
- | DUCT CONSTRUCTION CLASS | STATIC PRESSURE RATING | PRESSURE | SMACNA SEAL CLASS | SMACNA LEAKAGE CLASS | VELOCITY |
|-------------------------|------------------------|--------------|-------------------|----------------------|------------------|
| 4" | 4" | POS. OR NEG. | A | 6 | 4000 FPM OR LESS |
| 2" | 2" | POS. OR NEG. | B | 12 | 2500 FPM OR LESS |
| 1" | 1" | POS. OR NEG. | B | 12 | 2500 FPM OR LESS |
- A. UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE DRAWINGS THE FOLLOWING PRESSURE CLASSIFICATIONS SHALL BE USED FOR TYPES OF DUCTWORK LISTED BELOW:
- 4" CLASS: ALL SUPPLY DUCTWORK UPSTREAM OF AIR TERMINAL UNITS.
- 1" CLASS: ALL SUPPLY DUCTWORK AND RETURN DUCTWORK CONNECTED TO FAN COIL UNITS.
- 2" CLASS: ALL OTHER DUCTWORK.
7. KITCHEN HOOD GREASE DUCTWORK
- A. PROVIDE IN ACCORDANCE TO NFPA 96, INTERNATIONAL MECHANICAL CODE AND LOCAL CODES.
- B. DUCT SHALL BE CONSTRUCTED OF MINIMUM 16 GAGE BLACK STEEL DUCT OR MINIMUM 18 GAGE STAINLESS-STEEL OR A LISTED AND RATED DUCT ASSEMBLY.

- C. ALL SEAMS, JOINTS, PENETRATIONS AND HOOD CONNECTION SHALL HAVE A LIQUID-TIGHT CONTINUOUS EXTERNAL WEID.
- D. DUCT MUST SLOPE AT LEAST 1/4 INCH PER LINEAR FOOT TOWARD THE HOOD.
- E. PROVIDE CLEANOUTS. CLEANOUT DOORS SHALL BE LIQUID TIGHT. DOOR SHALL BE CONSTRUCTED OF STEEL HAVING THICKNESS NOT LESS THAN THE DUCT.
8. SEALANTS FOR GALVANIZED DUCTWORK
- A. SEAL AIR DUCT JOINTS AND JOINTS BETWEEN FITTINGS AND DUCTS WITH HARDCAST SEALANT OR APPROVED EQUAL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
9. SUPPORT
- A. SUPPORT ALL GALVANIZED DUCTWORK WITH GALVANIZED HANGERS AND MOUNTS AS REQUIRED BY SMACNA. DO NOT SUPPORT RISERS FROM SLEEVES IN SLABS.
10. CONNECTIONS
- A. CONNECT INLETS AND OUTLETS OF AIR HANDLING UNITS, FANS, FAN COIL UNITS AND OTHER ROTATING EQUIPMENT FLEXIBLE CONNECTIONS UNLESS FAN HAS VIBRATION ISOLATION MOUNTS INSIDE UNITS.
- B. INDOORS: FLEXIBLE CONNECTIONS SHALL BE NEOPRENE-COATED FIBROUS GLASS FIRE RETARDANT FABRIC, BY VENTFABRICS, OR DURODYNE. OUTDOORS: FLEXIBLE CONNECTIONS SHALL BE DUPONT HYALON-COATED FIBROUS GLASS FIRE-, WEATHER-, AND UV-RESISTANT BY VENTFABRICS OR DURODYNE.
11. CONSTRUCTION
- A. NO SHARP METAL EDGES SHALL EXTEND INTO AIR STREAMS. SPIN IN COLLARS SHALL NOT BE USED.
- B. MAKE TRANSVERSE JOINTS, FIELD CONNECTIONS, COLLAR ATTACHMENTS AND FLEXIBLE CONNECTIONS TO DUCTS AND EQUIPMENT WITH SHEET METAL SCREWS OR BOLTS AND NUTS. DO NOT USE RIVETS AND STAPLES.
12. PREFABRICATED TRANSVERSE DUCT JOINTS
- A. TRANSVERSE JOINTS IN GALVANIZED SHEET METAL DUCTWORK MAY BE MADE WITH GALVANIZED GASKETED FRAME AND ANGLE DUCT JOINT SYSTEM BY DUCTMATE, TDF, TDC OR APPROVED EQUAL. ANGLES SHALL BE AT LEAST 20 GAUGE.

12. ELBOWS AND BENDS

- A. ELBOWS AND BENDS FOR RECTANGULAR DUCTS SHALL HAVE CENTERLINE RADIUS OF 1.5 TIMES DUCT WIDTH WHEREVER POSSIBLE. UNEQUAL THROAT VANED ELBOWS ARE NOT ALLOWED. ALLOWED.
- B. WHERE CENTERLINE RADIUS IS LESS THAN 1.5 TIMES DUCT WIDTH, ELBOWS SHALL BE RADIUS THROAT WITH RADIUS HEEL AND FULL LENGTH SPLITTER VANES WHEN REQUIRED. INSTALL VANES IN ACCORDANCE WITH SMACNA.

14. ACCESS PANELS/DOORS

- A. PROVIDE PROPER PRESSURE AND LEAKAGE RATED, GASKETED, DUCT MOUNTED ACCESS PANELS/DOORS. IN INSULATED DUCTS, ACCESS DOORS SHALL BE INSULATED DOUBLE WALL. THE MINIMUM SIZES ARE:
- 1) MANUAL VOLUME DAMPERS 2 SF AND LARGER - 6" X 6" MINIMUM.
- 2) AT ADDITIONAL LOCATIONS INDICATED ON DRAWINGS, OR SPECIFIED ELSEWHERE - 12" X 12" MINIMUM.
- B. GENERALLY ACCESS DOORS ARE NOT SHOWN ON THE DRAWINGS, BUT SHALL BE PROVIDED IN ACCORDANCE WITH THE ABOVE..
- C. FOR KITCHEN HOOD GREASE EXHAUST DUCTWORK, PROVIDE FIRE-RATED ACCESS PANEL/DOOR AT EACH CHANGE IN DIRECTION AND AT MAXIMUM INTERVALS OF 12 FEET IN HORIZONTAL DUCT.

B. VOLUME DAMPERS

1. PROVIDE MANUAL ADJUSTABLE VOLUME DAMPERS, WITH EXTENDED MOUNT INDICATING AND LOCKING QUADRANTS.
- A. ON EACH SUPPLY, RETURN AND GENERAL EXHAUST DUCT TAKE-OFF.
- B. AT EACH TAKE-OFF TO REGISTER, GRILLE OR DIFFUSER.
- C. DIFFUSERS, REGISTERS AND GRILLES
1. PROVIDE ALUMINUM DIFFUSERS, REGISTERS AND GRILLES FOR SUPPLY, RETURN AND EXHAUST OUTLETS, OF SIZE, TYPE AND DESIGN SHOWN ON DRAWINGS. ACCEPTABLE MANUFACTURERS SHALL BE AGITAIR, ANEMOSTAT, KRUEGER, METALAIR or TITUS.
2. EQUIPMENT SHALL BE TESTED AND RATED PER ASHRAE 91-70.
3. EQUIPMENT SHALL HANDLE AIR QUANTITIES AT OPERATING VELOCITIES:
- A. WITH MAXIMUM DIFFUSION WITHIN SPACE SUPPLIED OR EXHAUSTED.
- B. WITHOUT OBJECTIONABLE AIR MOVEMENT AS DETERMINED BY OWNER.
- C. WITH SOUND PRESSURE LEVEL NOISE CRITERIA CURVE NOT TO EXCEED NC 30.
4. SUPPLY, RETURN AND EXHAUST OUTLETS SHALL HAVE OPPOSED BLADE VOLUME DAMPERS OPERABLE FROM FRONT.
5. SUPPLY REGISTERS SHALL HAVE TWO SETS OF DIRECTIONAL CONTROL BLADES.

D. FLEXIBLE DUCT

1. PROVIDE SUPPORTS AT MANUFACTURER'S RECOMMENDED INTERVALS. SAG SHALL NOT EXCEED 1/2" PER FOOT OF SPACING BETWEEN SUPPORTS. DUCTS SHALL NOT EXCEED 5 FEET LONG.
2. HANGER AND SADDLE IN CONTACT WITH FLEXIBLE DUCT SHALL BE WIDE ENOUGH TO PREVENT RESTRICTION OF INTERNAL DUCT DIAMETER WHEN WEIGHT OF SUPPORTED SECTION RESTS ON HANGER OR SADDLE MATERIAL.
3. FACTORY-INSTALLED SUSPENSION SYSTEMS INTEGRAL TO FLEXIBLE DUCT ARE ACCEPTABLE AS ALTERNATIVE HANGING METHOD WHEN MANUFACTURER'S RECOMMENDED PROCEDURES ARE FOLLOWED.
4. COLLARS TO WHICH FLEXIBLE DUCTS ARE ATTACHED SHALL BE AT LEAST 2" LONG. SLEEVES FOR JOINING SECTIONS OF FLEXIBLE DUCT SHALL BE AT LEAST 4" LONG.
5. RUNOUTS TO INLET CONNECTIONS OF AIR TERMINAL BOXES, SHALL NOT BE FLEXIBLE DUCT. PROVIDE HARD DUCT RUNOUTS.

6. APPLY SEALING COMPOUND TO METALLIC SURFACE AT CONNECTION OF FLEXIBLE DUCT WITH SHEET METAL DUCTS, COLLARS AND MIXING BOXES. SLIP FLEXIBLE DUCTWORK OVER SEALING COMPOUND. COMPLETE SEAL WITH 1/2" WIDE, COMMERCIALY-MADE METAL DRAW BANDS.
7. FLEXIBLE DUCTWORK, CONNECTING TO UNINSULATED OR UNLINED DUCT, SHALL BE VINYL COATED FIBERGLASS CLOTH 0.0057" MINIMUM THICKNESS, 25 STRANDS PER INCH MINIMUM THREAD COUNT WITH CORROSION-RESISTANT HELICAL WIRE REINFORCEMENT.
8. FLEXIBLE DUCT SHALL BE U.L. RATED FOR 12" W.C. POSITIVE PRESSURE, 2" W.C. NEGATIVE PRESSURE WITH A MAXIMUM VELOCITY OF 4000 FPM.
9. FLEXIBLE DUCT CONNECTED TO INSULATED OR LINED DUCT SHALL BE INSULATED WITH 1-1/2", 1/2 LB. DENSITY FIBERGLASS INSULATION AND FLAME RETARDANT (UL LISTED) VAPOR BARRIER, AND SHALL MEET THE ASTM E-84 FIRE HAZARD RATING OF 25 FLAME SPREAD, 50 FUEL CONTRIBUTED AND 50 SMOKE DEVELOPED.
- A. FLEXIBLE DUCT MUST BE LISTED AS A CLASS 1 CONNECTOR ACCORDING TO UL 181 AND SHALL MEET THE ASTM E-84 FIRE HAZARD RATING OF 25 FLAME SPREAD, 50 FUEL CONTRIBUTED AND 50 SMOKE DEVELOPED.
- B. UNINSULATED FLEXIBLE DUCT SHALL BE EQUIVALENT TO FLEXMASTER TYPE 4.

2.2 DUCT INSULATION (EXTERNAL)

- A. GENERAL
1. INSULATION SHALL BE CERTAIN-TEED, KNAUF, MANVILLE OR OWENS CORNING. INSTALL INSULATION, MASTICS, ADHESIVES, COATINGS, COVERS, WEATHER-PROTECTION AND OTHER WORK EXACTLY AS REQUIRED BY MANUFACTURER'S RECOMMENDATIONS. MATERIALS SHALL MEET REQUIREMENTS OF ADHESIVE AND SEALANT COUNCIL STANDARDS AND SMACNA.
2. ASTM E-84 MINIMUM FIRE HAZARD RATINGS SHALL BE 25 FLAME SPREAD, 50 FUEL CONTRIBUTED AND 50 SMOKE DEVELOPED.
3. ACOUSTICALLY LINED DUCTWORK SHALL NOT BE INSULATED EXTERNALLY, EXCEPT AS NOTED OTHERWISE.
- B. CONCEALED RECTANGULAR AND ROUND DUCTWORK
1. INSULATE SUPPLY, OUTSIDE AIR DUCTS CONDENSER INTAKE DUCTS AND PLENUMS WITH AT LEAST 1-1/2" THICK, 3/4" LB/OF DENSITY FIBROUS GLASS DUCT WRAP, WITH FOIL-KRAFT FLAME RESISTANT VAPOR BARRIER.

2.3 ESOUTHCIONS AND DUCT COLLARS

- A. PROVIDE ADJUSTABLE ESOUTHCIONS ON EXPOSED PIPING THAT PASSES THROUGH FINISHED FLOORS, WALLS AND CEILINGS. ESOUTHCIONS SHALL BE CHROMIUM-PLATED CAST BRASS, SIZED TO COVER SLEEVE OPENING AND TO ACCOMMODATE PIPE AND INSULATION.
- B. PROVIDE 4" WIDE 20 GAUGE GALVANIZED SHEET METAL COLLARS AT SLEEVES AND PREPARED OPENINGS, SIZED TO COVER ENTIRE DUCT PENETRATION INCLUDING SLEEVE AND SEAL, AND TO ACCOMMODATE DUCT AND INSULATION AS NECESSARY. EDGES SHALL HAVE MILLED LIPS GROUND SMOOTH. PAINT TO MATCH FINISH OF DUCT OR AS DIRECTED BY ARCHITECT.

2.4 AUTOMATIC TEMPERATURE CONTROLS

- A. PROVIDE COMPLETE SYSTEM OF AUTOMATIC TEMPERATURE CONTROLS BY SEISMENS COMPATIBLE WITH EXISTING CONTROLS. CONTROL SYSTEM SHALL BE CAPABLE OF PERFORMING ALL SEQUENCES OF OPERATION SHOWN ON THE DRAWINGS OR DESCRIBED IN THESE SPECIFICATIONS. INDIVIDUAL CONTROL COMPONENTS MAY NOT BE SHOWN ON CONTRACT DOCUMENTS, BUT ATC CONTRACTOR SHALL SUPPLY ALL COMPONENTS, CONTROL WIRING NECESSARY FOR A COMPLETE OPERABLE SYSTEM. ATC CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SYSTEM COMPONENTS, WHETHER HE SUBCONTRACTS ELECTRICAL AND OTHER WORK OR NOT.
- B. PROVIDE SERVICES OF ATC MANUFACTURER'S REPRESENTATIVE ON SITE, AS REQUIRED DURING THE START UP AND BALANCING OF HVAC EQUIPMENT AND SYSTEMS. ALL SAFETY SWITCHES AND OUT DUTS SHALL BE FIELD CALIBRATED AND SET PRIOR TO START-UP EQUIPMENT. MANUFACTURER'S REPRESENTATIVE SHALL SUPERVISE DAMPER INSTALLATION (IF PERFORMED BY SHEET METAL CONTRACTORS), VALVE AND SEPARABLE WELL INSTALLATION, AND AUXILIARY CONTACTS FOR MAGNETIC STARTERS.
- C. ALL CONTROL WIRING SHALL COMPLY WITH THE REQUIREMENTS OF THE ELECTRICAL SECTION OF THESE SPECIFICATIONS.
- D. SUBMIT TO ARCHITECT A WRITTEN DESCRIPTION OF SYSTEM OPERATION FOR ALL CONTROLS.
- E. WIRING BETWEEN FIRE ALARM SYSTEM AND TEMPERATURE CONTROL SYSTEM, EXCEPT FOR DUCT MOUNTED SMOKE DETECTORS, SHALL BE BY ATC CONTRACTOR.
- F. ROOM THERMOSTAT SENSORS AND TRANSMITTERS IN PUBLIC AREAS SHALL HAVE METAL COVER WITH TAMPER PROOF SCREWS AND CONCEALED ADJUSTMENT. THERMOSTATS FOR PRIVATE OFFICES SHALL HAVE EXPOSED DIAL FOR SETPOINT ADJUSTMENT. HEATING/COOLING THERMOSTATS SHALL HAVE AN ADJUSTABLE DEADBAND.
- G. AUTOMATIC CONTROL VALVES:
1. AUTOMATIC CONTROL VALVES SHALL BE FULLY PROPORTIONING WITH MODULATING PLUG OR V-PORT INNER GUIDES.
2. CONTROL VALVES SHALL BE SIZED BY TEMPERATURE CONTROL MANUFACTURER AND SHALL BE GUARANTEED TO MEET HEATING AND COOLING LOADS AS SPECIFIED. CONTROL VALVES SHALL BE SUITABLE FOR PRESSURE CONDITIONS AND SHALL CLOSE AGAINST DIFFERENTIAL PRESSURE INVOLVED.
3. VALVE BODY PRESSURE RATING AND CONNECTION TYPE (SCREWED OR FLANGED) SHALL CONFORM TO PIPE SCHEDULE SPECIFIED ELSEWHERE.
- H. DAMPERS:
1. FURNISH SINGLE OR MULTIPLE BLADE AUTOMATIC DAMPERS, AS REQUIRED FOR INSTALLATION UNDER DUCTWORK PARAGRAPH.
2. DAMPER LEAKAGE: 48" X 48" DAMPER SECTION SHALL HAVE LEAKAGE LESS THAN 7 CFM/SF AT 4" WG DIFFERENTIAL PRESSURE. DAMPERS SHALL BE HONEYWELL D643, JOHNSON D1300 RUSKIN CDSO OF ARROW AFD-20.
- I. DAMPER OPERATORS:
1. PROVIDE MOLDED RUBBER DIAPHRAGM PISTON OR ELECTRIC MOTOR DAMPER OPERATORS, FULLY-PROPORTIONING UNLESS OTHERWISE SPECIFIED. OPERATOR SHALL OPERATE QUIETLY AND SHALL POSITION DAMPERS ACCURATELY AND SMOOTHLY. MOUNT OPERATORS OUTSIDE AIR STREAM.
2. PNEUMATIC DAMPER OPERATORS MOUNTED ON MODULATING DAMPERS SHALL HAVE FULL RELAY PILOT POSITIONERS WITH INTERCONNECTING LINKAGE TO PROVIDE ACCURATE POSITIONING AND CONTROL BY MECHANICAL FEEDBACK.

J. LOCAL CONTROL PANELS:

1. CONTROLLERS, RELAYS, SWITCHES, AND OTHER CONTROL COMPONENTS SHALL BE MOUNTED ON ENCLOSED CONTROL PANELS WITH HINGE-LOCK DOOR MOUNTED NEXT TO SYSTEM CONTROLLED. TEMPERATURE SETTINGS, ADJUSTMENTS AND CALIBRATIONS SHALL BE MADE AT SYSTEM CONTROL PANEL. PANEL SHALL HAVE CANOPY LIGHT AND ON-OFF SWITCH.

K. LOCAL CONTROL PANELS (DDC):

1. PROVIDE STAND-ALONE "SMART " PANELS TO PERFORM CONTROL FUNCTIONS REQUIRED. UNITS SHALL HAVE 72 HOUR BATTERY BACK UP ON PANEL LOSS.
2. UNITS SHALL BE KEY PAD OPERATED VIA PANEL FACE KEY PAD OR SHALL COME WITH PORTABLE OPERATOR TERMINAL.

L. DDC/BUILDING AUTOMATION SYSTEM INTERFACE.

1. PROVIDE ALL NECESSARY COMPONENTS AND WIRING FOR INTERLOCK TO EXISTING DDC/BUILDING AUTOMATION SYSTEM. ALL COMPONENTS MUST BE COMPATIBLE WITH EXISTING OUTPUT DEVICES. PROVIDE HAND HELD OPERATORS TERMINALS FOR LOCAL OUTPUT OF SENSORS WHEN NO OUTPUT DEVICES EXIST.
2. PROVIDE TO OWNER FULL OPERATING AND MAINTENANCE INSTRUCTIONS FOR USE AND/OR ALTERATION OF DDC SYSTEMS.

2.5 EXHAUST FAN

- A. GENERAL:
1. EXHAUST FAN SHALL BE AS SCHEDULED OR APPROVED EQUAL, COMPOSED OF THE FOLLOWING:
2. DAMPER
3. HEAVY GAUGE ALUMINUM HOUSING
4. FAN: AXIAL PROPELLER DYNAMICALLY BALANCED AND STATICALLY BALANCED WITH MOTOR WITH PERMANENTLY LUBRICATED BEARINGS.
5. UNIT SHALL BE PROVIDED WITH INTEGRAL STARTER/DISCONNECT AND BE FACTORY WIRED FOR SINGLE POINT OF CONNECTION.
6. FAN SHALL BE UL762. PROVIDE WITH VENTED CURB EXTENSION. GREASE TRAP AND GREASE GUARD FILTER SYSTEM SIMILAR TO VIROGUARD OR APPROVED EQUAL.

2.6 SERIES FAN POWERED VAV BOX

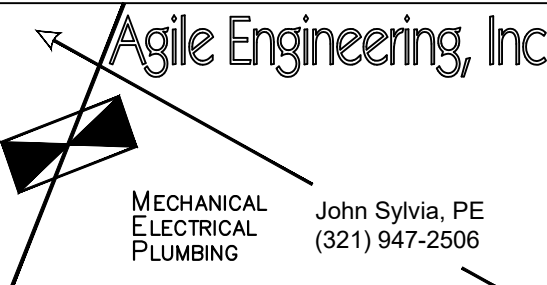
- A. GENERAL:
1. UNITS SHALL BE UL LISTED.
2. CASING: UNITS SHALL HAVE A RUGGED SHEET METAL AND STEEL FRAME CONSTRUCTION AND SHALL BE COATED WITH ENAMEL FINISH.
3. COIL: ALUMINUM FIN SURFACE SHALL BE MECHANICALLY BONDED TO 1/2-INCH OD COPPER TUBING. COILS ARE FACTORY PRESSURE AND LEAK TESTED.
4. FAN: FORWARD CURVED, DYNAMICALLY BALANCED AND STATICALLY BALANCED DIRECT DRIVE FAN MOTOR WITH PERMANENTLY LUBRICATED BEARINGS.
5. FILTERS: FILTERS SHALL BE INCLUDED AS STANDARD, ONE-INCH LOW VELOCITY SEMI-PERMANENT

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2/5/2026



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MECHANICAL
SPECIFICATIONS

Project number	 2025-048
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Drawn by	Author
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M0.2

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SPECIFICATIONS

PART 3 – EXECUTION

3.1 START-UP OF EQUIPMENT AND SYSTEMS

- A. THE OWNER WILL CHECK THE COMPLETED INSTALLATION EITHER SEQUENTIALLY AS DIFFERENT PARTS ARE COMPLETED, OR WHEN THE ENTIRE INSTALLATION IS COMPLETE, AT THE SOLE OPTION OF THE ARCHITECT.
- B. PRIOR TO ANY SITE VISIT BY OWNER, THIS CONTRACTOR SHALL SUBMIT A LETTER SIGNED BY AN OFFICER OF THIS CONTRACTING COMPANY OR AN OFFICER OF THE GENERAL CONTRACTOR STATING THAT:
- HE IS A AN OFFICER OF THE COMPANY,
 - HE HAS PERSONALLY INSPECTED THE INSTALLATION TO BE CHECKED,
 - THE DATE OF HIS INSPECTION,
 - THE INSTALLATION IS COMPLETE, TESTED, IN OPERABLE CONDITION, AND READY TO BE INSPECTED BY THE OWNER.

3.2 SPECIAL RESPONSIBILITIES

- A. MAINTENANCE OF EQUIPMENT AND SYSTEMS: MAINTAIN HVAC EQUIPMENT AND SYSTEMS UNTIL FINAL ACCEPTANCE. ENSURE ADEQUATE PROTECTION OF EQUIPMENT AND MATERIAL DURING DELIVERY, STORAGE, INSTALLATION AND SHUTDOWN AND DURING DELAYS PENDING FINAL TEST OF SYSTEMS AND EQUIPMENT BECAUSE OF SEASONAL CONDITIONS.

3.3 TAGS

- A. UPON COMPLETION OF WORK, ATTACH ENGRAVED LAMINATED TAGS TO ALL VALVES (NOT INCLUDING VALVES AT INDIVIDUAL PLUMBING FIXTURES). VALVE TAGS SHALL HAVE BLACK CHARACTERS ON WHITE FACE, CONSECUTIVELY NUMBERED AND PREFIXED BY LETTER "V". EQUIPMENT TAGS SHALL HAVE BLACK CHARACTERS ON WHITE FACE, WITH LABELS CORRESPONDING TO DRAWING SCHEDULE NUMBERS.

3.4 DUCT IDENTIFICATION

- A. DUCTWORK SHALL BE STENCILED AT EACH JUNCTION OR BRANCH TAKEOFF, AT LEAST ONCE IN EACH ROOM, AND AT INTERVALS NOT LONGER THAN 20 FT. STENCIL SHALL CLEARLY IDENTIFY DUCT SERVICE (S FOR SUPPLY, R FOR RETURN, X FOR EXHAUST), AREA SERVED BY BRANCH, AND ARROW INDICATING DIRECTION OF FLOW.

3.5 PENETRATIONS AND SLEEVES

- A. GENERAL
- PROVIDE PIPE AND DUCT SLEEVES AS SPECIFIED AT PENETRATIONS OF FOUNDATIONS, WALLS, SLABS (EXCEPT ON-GRADE), PARTITIONS AND FLOORS.
 - COORDINATE WORK CAREFULLY WITH ARCHITECTURAL AND STRUCTURAL WORK. SET SLEEVES IN FORMS BEFORE CONCRETE IS POURED. PROVIDE CORE DRILLING AS NECESSARY TO SET SLEEVES IF NOT SET BEFORE CONCRETE IS POURED, AND TO SET SLEEVES IN EXISTING CONSTRUCTION. DO NOT PENETRATE STRUCTURAL MEMBERS WITHOUT ARCHITECT'S APPROVAL.
 - SLEEVES THROUGH FLOORS SHALL BE WATER-TIGHT AND SHALL EXTEND TWO INCHES ABOVE FLOOR SURFACE.
 - SLEEVES THROUGH FIRE AND SMOKE RATED WALL, PARTITIONS AND SLABS SHALL MAINTAIN THE FIRE RATING OF THE CONSTRUCTION PENETRATED.
 - DO NOT SUPPORT PIPING RISERS ON SLEEVES.
- B. INSTALLATION, TESTING, LISTINGS AND APPROVALS
- INSTALLATION SHALL MEET MATERIAL MANUFACTURER'S RECOMMENDATIONS EXACTLY, PARTICULARLY WITH RESPECT TO PREPARATION OF SURFACES, REMOVAL OF FOREIGN MATERIAL, SAFETY REQUIREMENTS, VENTILATION AND OTHER INSTALLATION DETAILS. DAM OPENINGS AS RECOMMENDED. REMOVE FLAMMABLE MATERIALS USED FOR DAMMING AND FORMING SEALS IN FIRE-RATED CONSTRUCTION.
 - SLEEVE PENETRATION METHODS SHALL BE WATER AND GAS TIGHT AND SHALL MEET REQUIREMENTS OF ASTM E-119 STANDARD METHODS OF FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.
 - FIRE-STOP PENETRATION SEAL METHODS AND MATERIALS SHALL BE FM-APPROVED AND UL-LISTED AS APPLICABLE FOR THE CONSTRUCTION PENETRATED.

3.6 PAINTING

- A. HANGERS AND SUPPORTS SHALL HAVE ONE COAT OF NON-LEAD RED PRIMER. MACHINERY SUCH AS PUMPS, FANS, ETC., SHALL BE STENCILED WITH EQUIPMENT NAME. STENCIL SHALL BE AT LEAST 6" HIGH FOR LARGE EQUIPMENT, 2" HIGH FOR SMALL EQUIPMENT.

3.7 CLEANING

- A. DUCTWORK
- DUCTS SHALL BE THOROUGHLY CLEANED SO THAT NO DIRT OR DUST SHALL BE DISCHARGED FROM DIFFUSERS, REGISTERS OR GRILLES, WHEN SYSTEM IS OPERATED.
- B. EQUIPMENT
- AFTER COMPLETION OF PROJECT, CLEAN THE EXTERIOR SURFACE OF EQUIPMENT INCLUDED IN THIS SECTION, INCLUDING CONCRETE RESIDUE.

3.8 START UP, TESTING AND BALANCING

- A. GENERAL
- PROVIDE QUALIFIED PERSONNEL, EQUIPMENT, APPARATUS AND SERVICES FOR START-UP, TESTING AND BALANCING OF MECHANICAL SYSTEMS, TO PERFORMANCE DATA SHOWN IN SCHEDULES, AS SPECIFIED, AND AS REQUIRED BY CODES, STANDARDS, REGULATIONS AND AUTHORITIES HAVING JURISDICTION INCLUDING CITY INSPECTORS, AND OWNERS.
 - DO NOT COVER OR CONCEAL WORK BEFORE TESTING AND INSPECTION AND OBTAINING APPROVAL.
 - LEAKS, DAMAGE AND DEFECTS DISCOVERED OR RESULTING FROM STARTUP, TESTING AND BALANCING SHALL BE REPAIRED OR REPLACED TO LIKE-NEW CONDITION WITH ACCEPTABLE MATERIALS. TESTS SHALL BE CONTINUED UNTIL SYSTEM OPERATES WITHOUT ADJUSTMENTS OR REPAIRS.
 - REPORT ON STANDARD REPORTING FORMS, SUBMITTED TO OWNER FOR APPROVAL IN ADVANCE.
 - SUBMIT SIX COPIES OF TESTING AND BALANCING REPORTS TO OWNER FOR APPROVAL.
- B. EQUIPMENT START UP
- START UP THE FOLLOWING PIECES OF EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND WITH MANUFACTURER'S REPRESENTATIVE PRESENT: PUMPS, AIR HANDLERS, FANS, CHILLERS FAN COILS COMPUTER ROOM TYPE AC UNITS AND AIR COOLED CONDENSING UNITS.
- C. AUTOMATIC TEMPERATURE CONTROLS TESTING
- TEMPERATURE CONTROL TESTING GENERAL REQUIREMENTS

A. START UP TEMPERATURE CONTROL SYSTEM SO THAT ALL CONTROL SEQUENCES OPERATE IN ACCORDANCE WITH REQUIREMENTS, ENSURE THAT ALL CONTROL COMPONENTS ARE PROPERLY CALIBRATED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SEE THAT ALL SOFTWARE, INCLUDED WITH CONTROL SYSTEM, IS FULLY DEBUGGED. FOR FURTHER REQUIREMENTS, SEE AUTOMATIC TEMPERATURE CONTROL PARAGRAPHS OF THESE SPECIFICATIONS.
- D. EQUIPMENT TESTING
- TESTS: NO TESTS SHALL BE STARTED UNTIL SYSTEMS HAVE BEEN CLEANED AS DESCRIBED UNDER CLEANING PARAGRAPH. TEST REQUIREMENT SPECIFICALLY INCLUDE, BUT IS NOT LIMITED TO:

A. FAN COIL UNIT

B. EXHAUST FAN

E. AIR BALANCING

1. GENERAL
- A. PROVIDE EXPERIENCED AND QUALIFIED PERSONNEL, EQUIPMENT AND SERVICES FOR BALANCING AND ADJUSTING OF MECHANICAL SYSTEMS. AGENCY SHALL BE INDEPENDENT BALANCING AGENCY, NEBB OR AABC CERTIFIED.
- B. TRAVERSE EXISTING DUCT MAIN SERVING NEW WORK AREA AND RECORD AIR FLOW OF EXISTING CONDITION.
- C. BALANCING SHALL NOT BEGIN UNTIL SYSTEM HAS BEEN INSTALLED COMPLETE AND CAPABLE OF NORMAL OPERATION.
- ALL GRILLES, DAMPERS, FANS, COILS, PUMPS, VALVES AND LINKAGES SHALL BE INSTALLED AND OPERATING PRIOR TO BALANCING.
 - SYSTEM SHALL BE CAPABLE OF OPERATING UNDER CONTROL AS SPECIFIED ON DRAWINGS AND/OR CONTAINED HEREIN. RECORDED CFM.

3.9 TESTING AND BALANCING

- A. VARIABLE VOLUME AIR SYSTEM
- PERFORM TESTING AND BALANCING PROCEDURES ON EACH SYSTEM ACCORDING TO THE PROCEDURES CONTAINED IN AABC'S "NATIONAL STANDARDS FOR TESTING AND BALANCING HEATING, VENTILATING, AND AIR CONDITIONING SYSTEMS"NEBB'S "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, AND BALANCING OF ENVIRONMENTAL SYSTEMS"OR SMACNA'S "HVAC SYSTEMS-TESTING, ADJUSTING, AND BALANCING" AND THIS SECTION.
 - PREPARE TEST REPORTS FOR BOTH FANS AND OUTLETS. OBTAIN MANUFACTURER'S OUTLET FACTORS AND RECOMMENDED TESTING PROCEDURES. CROSSCHECK THE SUMMATION OF REQUIRED OUTLET VOLUMES WITH REQUIRED FAN VOLUMES.
 - CHECK AIRFLOW FROM THE OUTSIDE-AIR LOUVERS AND DAMPERS AND THE RETURN- AND EXHAUST-AIR DAMPERS, THROUGH THE SUPPLY-FAN DISCHARGE AND MIXING DAMPERS.
 - CHECK DAMPERS FOR PROPER POSITION TO ACHIEVE DESIRED AIRFLOW PATH.
 - CHECK FOR PROPER SEALING OF AIR-HANDLING UNIT COMPONENTS.
 - CHECK FOR PROPER SEALING OF AIR DUCT SYSTEM.
 - FINAL REPORT: TYPEWRITTEN, OR COMPUTER PRINTOUT IN LETTER-QUALITY FONT.
- B. HYDRONIC SYSTEM
- MEASURE FLOW AT ALL PRESSURE-INDEPENDENT CHARACTERIZED CONTROL VALVES, WITH VALVES IN FULLY OPEN POSITION, TO VERIFY THAT VALVES ARE FUNCTIONING AS DESIGNED.
 - SET CALIBRATED BALANCING VALVES, IF INSTALLED, AT CALCULATED PRESETTINGS.
 - MEASURE FLOW AT ALL STATIONS AND ADJUST, WHERE NECESSARY, TO OBTAIN FIRST BALANCE.
 - SYSTEM COMPONENTS THAT HAVE CV RATING OR AN ACCURATELY CATALOGED FLOW-PRESSURE-DROP RELATIONSHIP MAY BE USED AS A FLOW-INDICATING DEVICE.
 - MEASURE FLOW AT MAIN BALANCING STATION AND SET MAIN BALANCING DEVICE TO ACHIEVE FLOW THAT IS 5 PERCENT GREATER THAN INDICATED FLOW.
 - ADJUST BALANCING STATIONS TO WITHIN SPECIFIED TOLERANCES OF INDICATED FLOW RATE AS FOLLOWS:
 - DETERMINE THE BALANCING STATION WITH THE HIGHEST PERCENTAGE OVER INDICATED FLOW.
 - ADJUST EACH STATION IN TURN, BEGINNING WITH THE STATION WITH THE HIGHEST PERCENTAGE OVER INDICATED FLOW AND PROCEEDING TO THE STATION WITH THE LOWEST PERCENTAGE OVER INDICATED FLOW.
 - RECORD SETTINGS AND MARK BALANCING DEVICES.
 - MEASURE THE DIFFERENTIAL-PRESSURE-CONTROL-VALVE SETTINGS EXISTING AT THE CONCLUSION OF BALANCING.
 - CHECK SETTINGS AND OPERATION OF EACH SAFETY VALVE. RECORD SETTINGS.
- C. KITCHEN HOOD
- TESTING PER VIRGINIA MECHANICAL CODE 507.16 IS REQUIRED.

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2/5/2026

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No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

MECHANICAL
SPECIFICATIONS

Project number	2025-048
Date	12/05/2025
Drawn by	Author
Checked by	Checker

M0.3

Scale

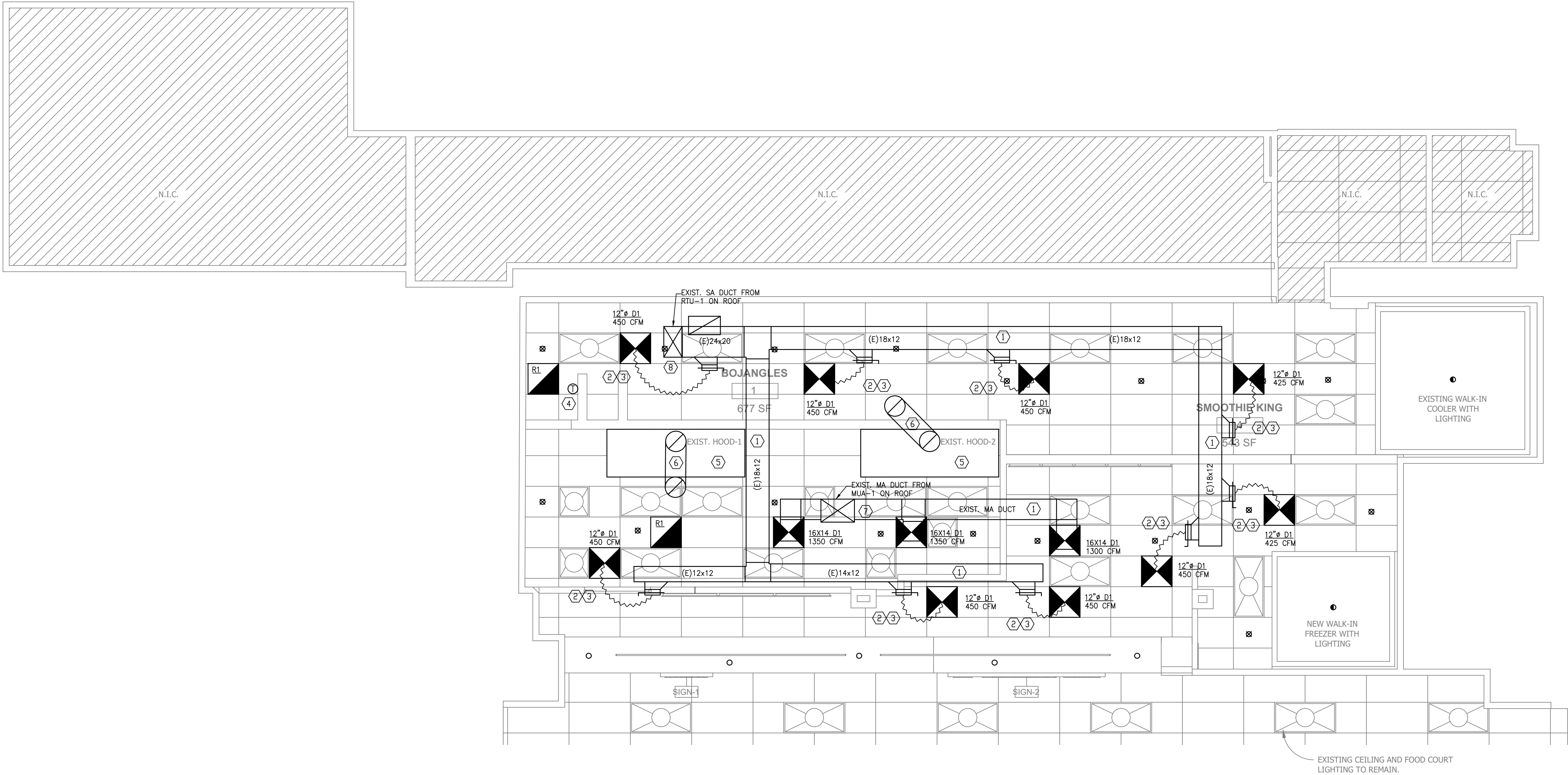
AIR DEVICE SCHEDULE				
DESIG.	DUTY	FACE SIZE	DEVICE TYPE	BASIS
D1	SUPPLY	24" x 24"	DIFFUSER	TITUS OMNI
R1	RETURN	24" x 24"	GRILLE	TITUS PAR
NOTE: 1) SEE FLOOR PLAN FOR NECK SIZE AT EACH DEVICE.				

GENERAL SHEET NOTES:

- INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.
- UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY SOLID (————) SHALL BE NEW WORK AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID (————) SHALL BE EXISTING.
- DO NOT LOCATE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR EQUIPMENT.
- ALL HVAC CONTROLS SHALL BE SIEMENS AND CONNECT TO EXISTING BAS.

SHEET KEYNOTES:

- FIELD VERIFY LOCATION AND SIZE OF BUILDING SUPPLY DUCTWORK. NOTIFY ENGINEER ANY DISCREPANCIES.
- SIZE OF FLEXIBLE DUCT AND RIGID ROUND DUCT SHALL MATCH SIZE OF DIFFUSER'S NECK SIZE. FLEXIBLE DUCT SHALL NOT EXCEED 5'-0". FLEXIBLE DUCT SHALL BE INSULATED AND SHALL NOT SAG. DO NOT USE FLEXIBLE AIR CONNECTORS. TYPICAL FOR ALL.
- PROVIDE MANUAL VOLUME DAMPER AND BALANCE TO AIR VOLUME INDICATED. TYPICAL FOR ALL.
- EXISTING THERMOSTAT
- EXISTING HOOD TO REMAIN.
- EXISTING GREASE DUCT
- EXISTING MAKE UP AIR DUCT.
- EXISTING SUPPLY AIR DUCT



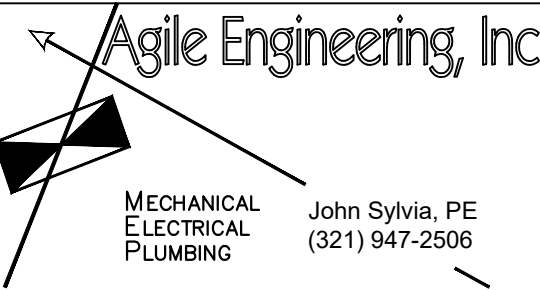
1 MECHANICAL PLAN
M1.0 SCALE: 1/4" = 1' - 0"

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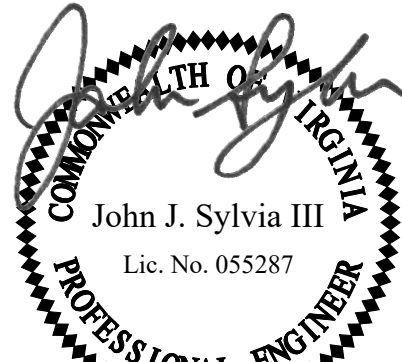
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2/5/2026



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2	95% SUBMITTAL	02/05/2026

MECHANICAL
PLAN

Project number	2025-048
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M1.0

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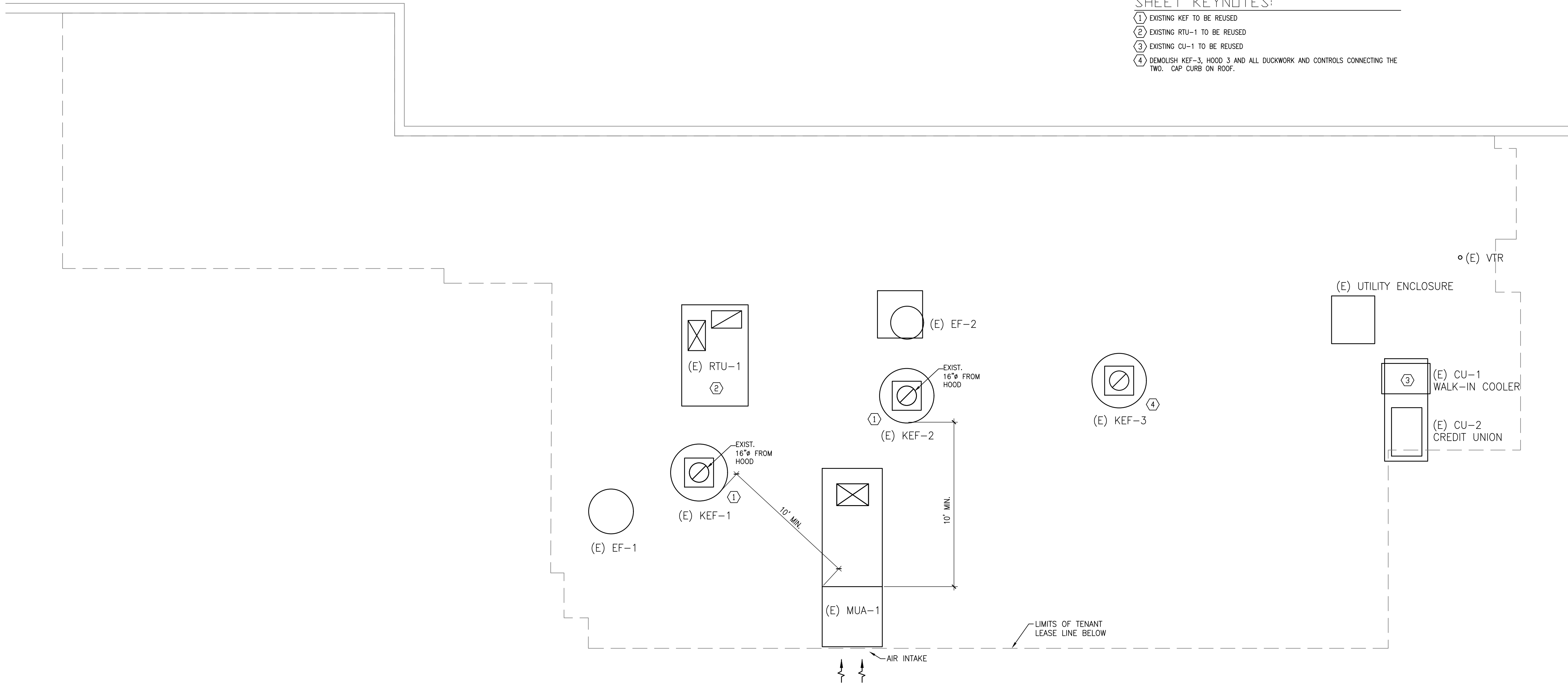
MECHANICAL
ROOF PLAN

Project number2025-048
Date12/05/2025
Drawn byAuthor
Checked byChecker

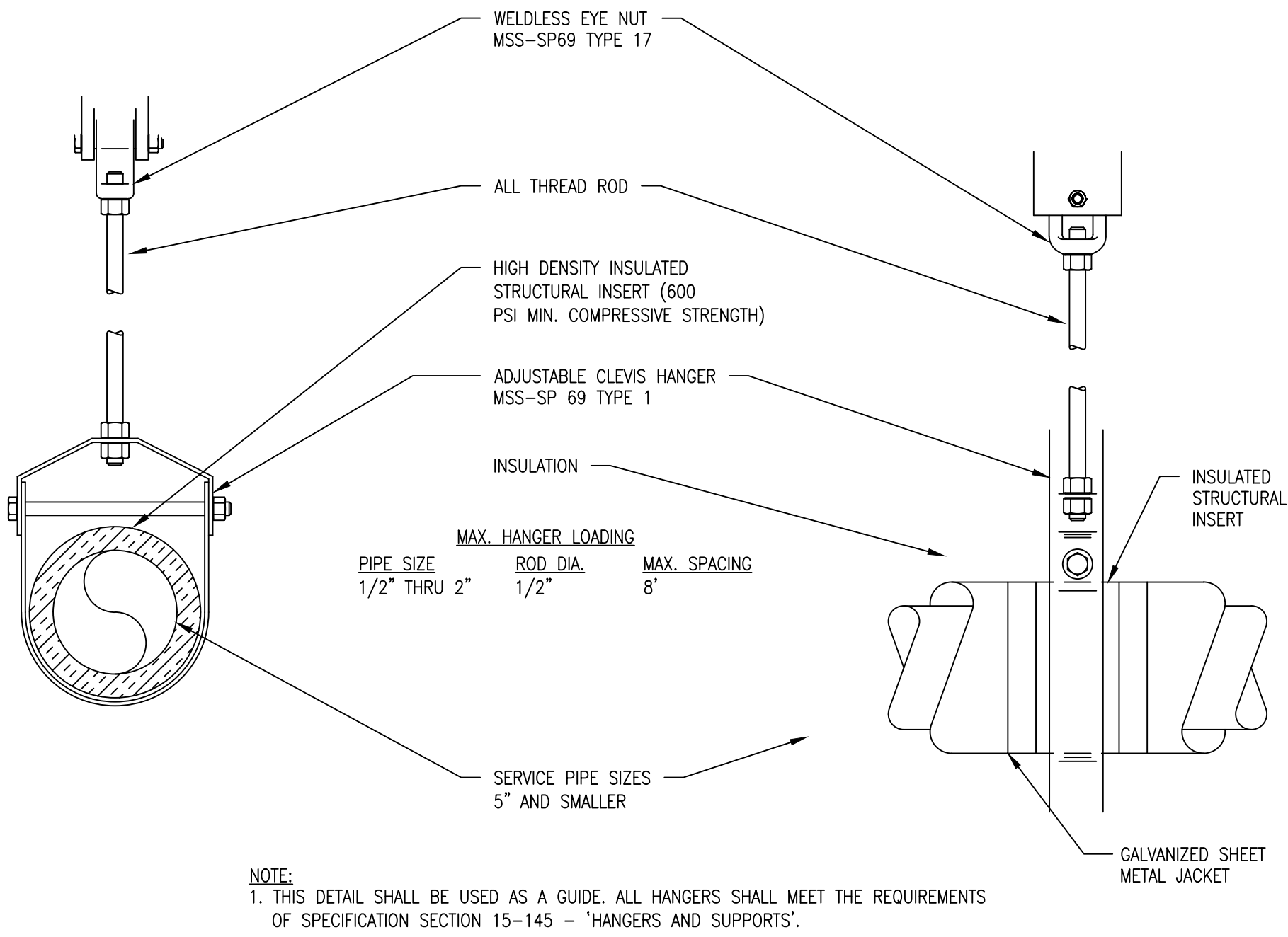
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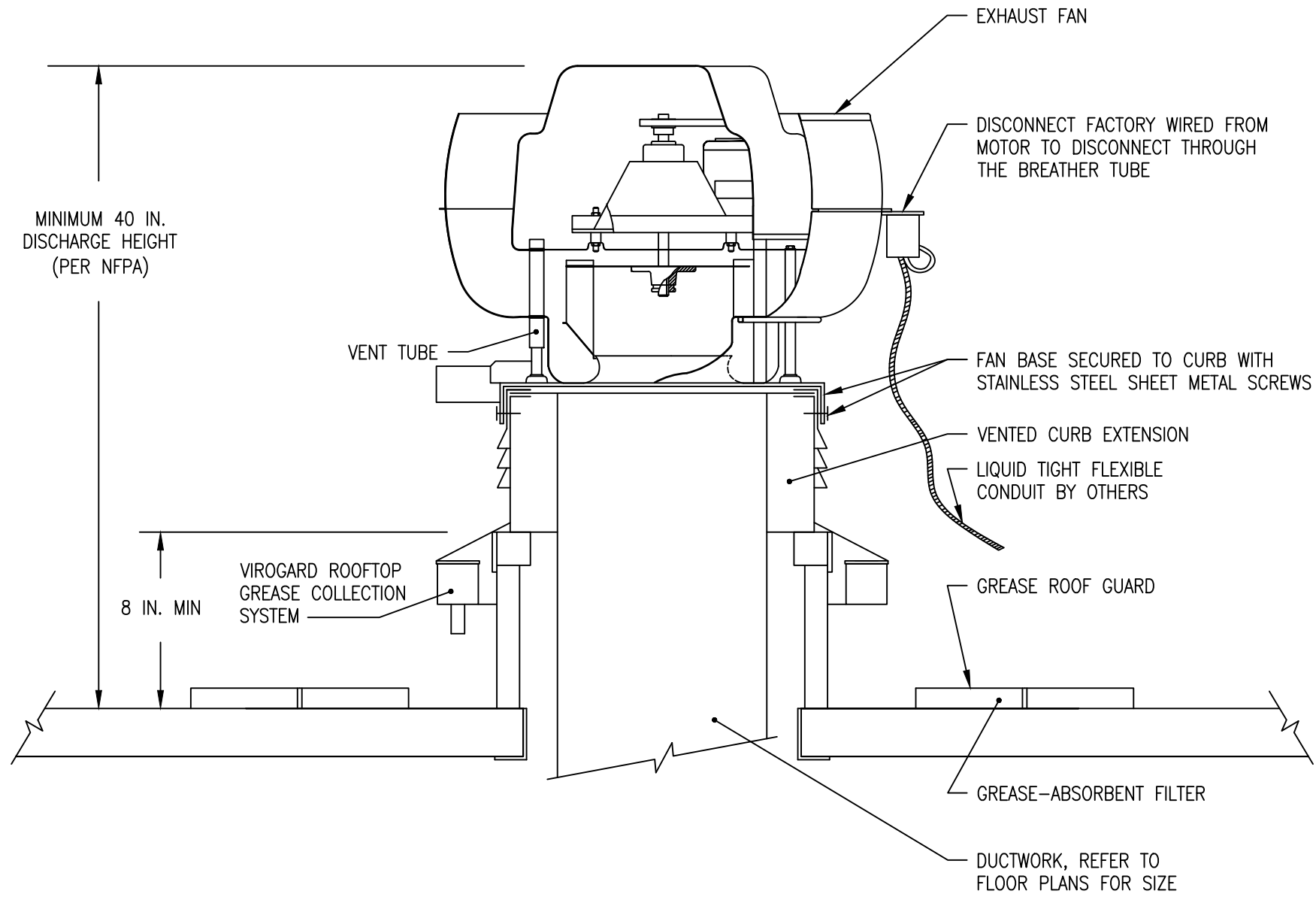
- SHEET KEYNOTES:
- 1 EXISTING KEF TO BE REUSED
 - 2 EXISTING RTU-1 TO BE REUSED
 - 3 EXISTING CU-1 TO BE REUSED
 - 4 DEMOLISH KEF-3, HOOD 3 AND ALL DUCKWORK AND CONTROLS CONNECTING THE TWO. CAP CURB ON ROOF.



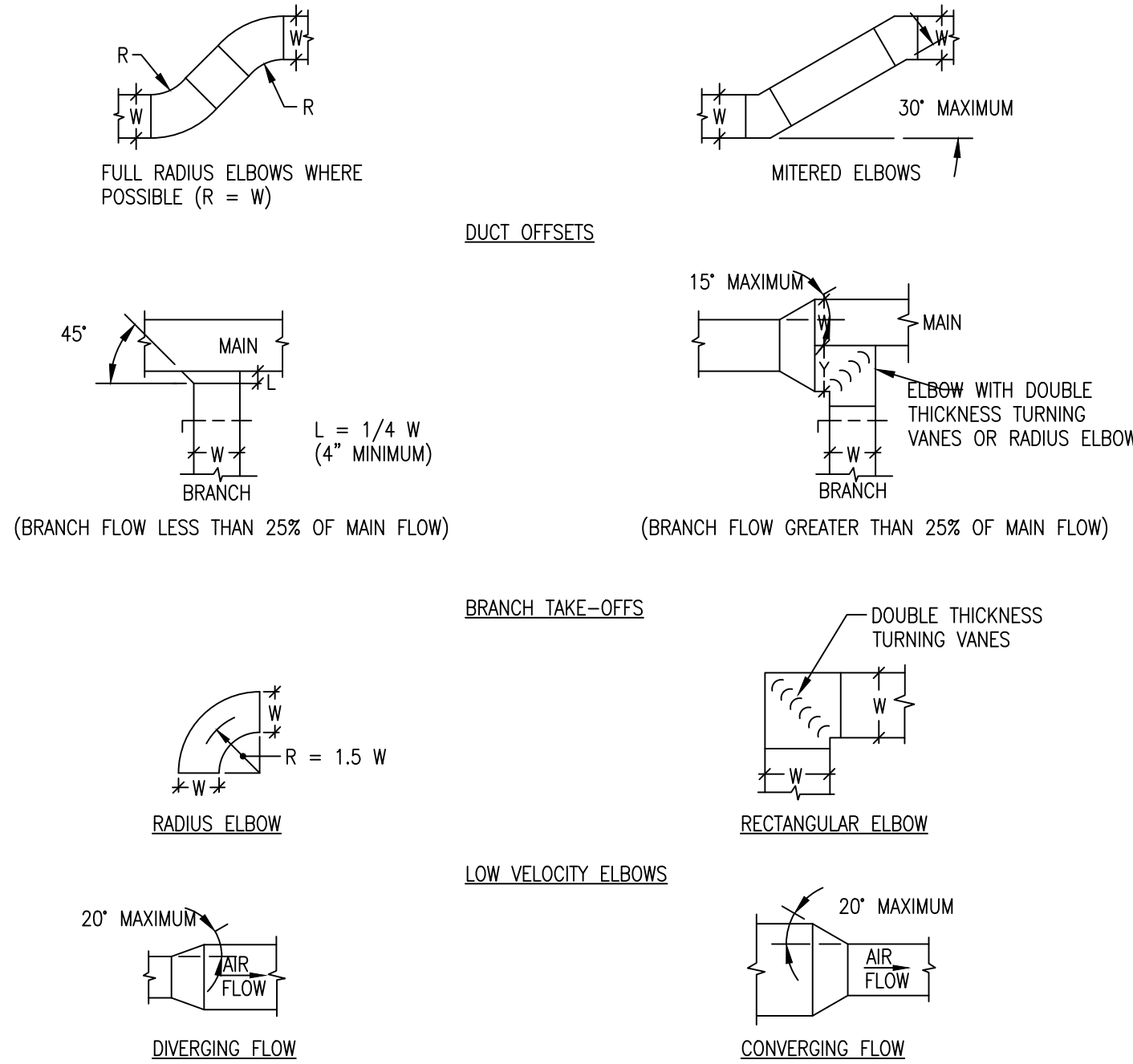
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M1.1 SCALE: 1/4" = 1' - 0"



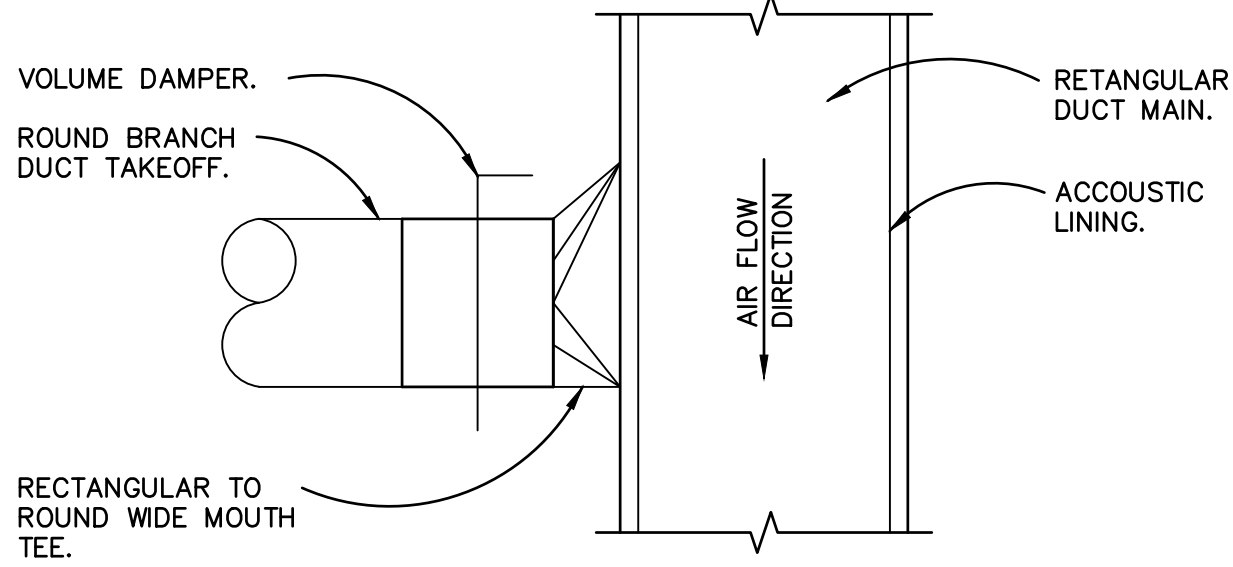
1 HANGER SUPPORT
SCALE: NOT TO SCALE



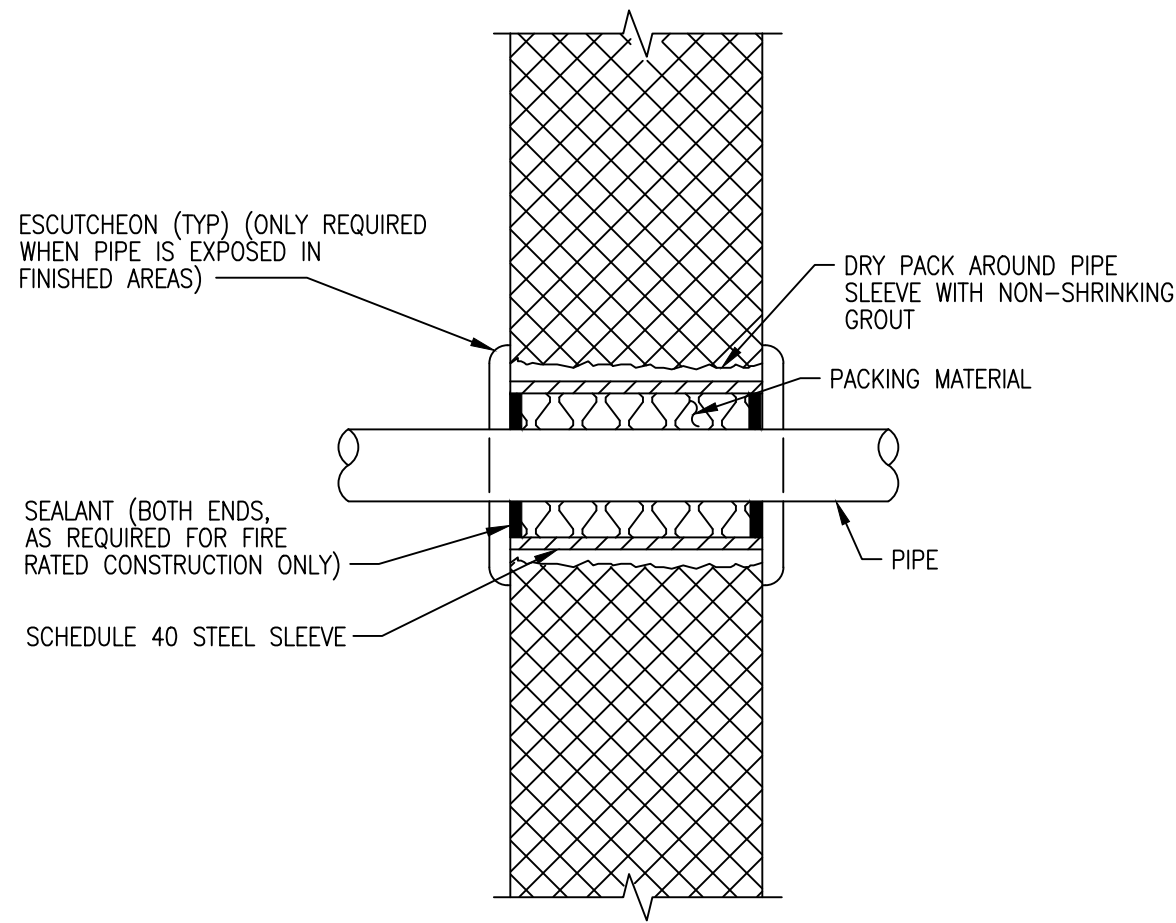
2 UPFLOW GREASE EXHAUST FAN ROOF CURB MOUNTING
SCALE: NOT TO SCALE



3 DUCT FITTING
SCALE: NOT TO SCALE



4 BRANCH DUCT TAKEOFF CONTROL
SCALE: NOT TO SCALE



NOTES: 1. THIS DETAIL APPLIES TO BOTH INSULATE AND NON-INSULATE PIPE.
2. FOR FIRE RATED CONSTRUCTION PROVIDE APPROPRIATE APPROVED THROUGH-PENETRATION FIRESTOP ASSEMBLY TO MAINTAIN THE FIRE RATING OF THE WALL ASSEMBLY.

5 PIPE THRU WALL
SCALE: NOT TO SCALE

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MECHANICAL DETAILS

Project number	M5.0	2025-048
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Drawn by	Author	
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M5.0

Scale

GENERAL REQUIREMENT

1. STRUCTURE(S) AND/OR UTILITIES TO BE DEMOLISHED SHALL BE REMOVED TO THE SOURCE OR A TERMINATION POINT AS DESIGNATED BY A MA-121 INSPECTOR INCLUSIVE OF BUT NOT LIMITED TO PIPE, EQUIPMENT, HANGERS AND/OR ACCESSORIES.
2. ALL FLOOR PENETRATION IN WALL CAVITIES SHALL HAVE WATERPROOFING INSTALLED AND TESTED BEFORE CLOSING IN WALLS.
3. ALL TENANT UTILITIES ASSOCIATED WITH THE LEASE SPACE OUTSIDE OF THE ENVELOPE OF THE LEASE SPACE SHALL BE LABELED WITH THE SPACE NUMBER AND CURRENT TENANTS NAME AT EVERY JUNCTION BOX OR SUPPORT. WHERE THE UTILITY PENETRATES A STRUCTURE, IT SHALL BE LABELED AT THE ENTRY AND EXIT POINTS OF THE WALL, CEILING, OR FLOOR STRUCTURE.
4. IF MOLD IS ENCOUNTERED --- STOP ALL WORK IN THE AFFECTED AREA AND NOTIFY IMMEDIATELY.
5. ALL UTILITIES SHALL BE INSTALLED AT THE HIGHEST POSSIBLE ELEVATION BASED ON THE BUILDING STRUCTURE IN THAT AREA.
6. ALL INSTALLATIONS, EQUIPMENT, AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE MOST CURRENT ADOPTED DESIGN MANUAL AT THE TIME OF THE PERMIT SUBMISSION.
7. ALL ROOF PENETRATIONS SHALL BE COORDINATED WITH MA-121.
8. A MINIMUM 18" OF CLEARANCE SHALL BE MAINTAINED BETWEEN THE FACE OF ANY BASE BUILDING STRUCTURE, EQUIPMENT, RAILINGS, WINDOW WALLS, ETC. AND ANY TENANT INSTALLED FEATURES.
9. INSTALLATION OF ANY TENANT STRUCTURE, EQUIPMENT, MILLWORK, ETC. OVER MAINTAINED CARPET IS PROHIBITED.
10. THE GC SHALL ENGAGE THE ROOFING CONTRACTOR CURRENTLY UNDER CONTRACT WITH IAD FOR ROOF REPAIR AND MAINTENANCE FOR ALL ROOF WORK ASSOCIATED WITH THIS PROJECT.
11. THE USE OF POWDER ACTUATED FASTENING DEVICES OR DEVICES, WHEN USED, MIMIC OR SOUND LIKE A WEAPON BEING DISCHARGED IS PROHIBITED.
12. ALL PATCH AND/OR REPAIRS TO EXISTING BASE BUILDING POURED TERRAZZO OR TILE SHALL BE ACCOMPLISHED BY REPLACING THE MODULAR UNIT(S) AS A WHOLE, NO SPOT REPAIRS OR PATCHES ARE ACCEPTABLE.
13. ALL ACCESS DOORS THAT OCCUR IN DRYWALL THAT IS NOT SCHEDULED TO RECEIVE A HARD FINISH OVERLAY, SHALL BE HINGED, SEAMLESS, AND HAVE A POSITIVE CLOSED MECHANISM.
14. FOR ACCESS TO MAINTAINED INSTALLATIONS AND/OR EQUIPMENT THE MINIMUM SIZE FOR ACCESS DOORS SHALL BE 2'X2' OR LARGER AS DIRECTED BY MA-121.
15. PROVIDE NEW BTU, ELECTRIC, AND WATER METERS. RETURN ANY EXISTING.
16. PATCH AND REPAIR EXISTING SURFACES / HOLES TO MATCH SIMILAR ADJACENT SURFACES IN ALL ASPECTS.
17. ITEMS INDICATED IN DRAWINGS/SPECS TO BE RE-USED SHALL BE TO "LIKE NEW" CONDITION BEFORE RE-INSTALLATION.
18. UTILITIES OUTAGES REQUIRE 3 BUSINESS DAYS ADVANCE NOTICE TO THE AIRPORT ENGINEERING DIVISION AND SIGNED COPY OF THE OUTAGE POSTED ON-SITE AT ALL TIMES WHEN THE WORK IS TAKING PLACE.
19. OUTAGES WHICH IMPACT OTHER TENANTS REQUIRE AN AIRPORT ADVISORY. AIRPORT ADVISORIES REQUIRE 3 WEEKS ADVANCE NOTICE TO PERFORM.
20. ALL METERS WITHIN THE LEASE SPACE SHALL HAVE HOME RUN 1" CONDUIT INSTALLED FROM THE METER LOCATION TO THE LEASE SPACE DE-MARC LOCATION OR THE NEAREST COMMUNICATION ROOM, WHICHEVER CONDUIT RUN IS SHORTEST.
21. PROVIDE SEPARATE PLAN SHOWING "ALL" PENETRATIONS THROUGH EXISTING ROOF, WALL AND FLOOR.
22. THE GC SHALL ENGAGE THE ROOFING CONTRACTOR CURRENTLY HAVING THE MAINTENANCE AND REPAIR CONTRACT FOR ANY ROOF RELATED INSTALLATIONS.
23. ANY HOLES MADE IN THE FLOOR WALLS AND CEILING MUST BE REPAIRED TO MATCH EXISTING.
24. THE USE OF PVC ABOVE GROUND FOR ELECTRICAL, PLUMBING OR MECHANICAL IS PROHIBITED.
25. UTILITIES TO REMAIN SHALL BE BROUGHT INTO COMPLIANCE WITH THE MOST RECENT ADOPTED DESIGN MANUAL AND "LIKE NEW" CONDITION INCLUSIVE OF, BUT NOT LIMITED TO INSTALLATION, MATERIALS, AND EQUIPMENT.

PLUMBING REQUIREMENT

1. WATER METER(S) SHALL HAVE ISOLATION VALVES AND BYPASS.
2. WATER HEATER(S) SHALL BE ELECTRIC.
3. ONLY SOLDERED CONNECTIONS ARE ACCEPTABLE FOR COPPER WATER PIPE DISTRIBUTION SYSTEMS MAINTAINED BY BOTH DOMESTIC AND/OR MECHANICAL. THE USE OF "SHARK BITES" OR OTHER NON SOLDERED CONNECTIONS FOR TENANT MAINTAINED ITEMS MUST BE SUBMITTED AN APPROVED BY MA-121 BEFORE INSTALLATION.
4. ALL PLUMBING INSTALLATIONS SHALL BE PARALLEL OR PERPENDICULAR TO THE BASE BUILDING STRUCTURAL ELEMENTS.
5. WATER METERS SHALL BE BADGER RECORDALL, TURBO SERIES.
6. ALL METERS SHALL BE WITHIN THE LEASE SPACE AND HAVE A HOME RUN 1" CONDUIT INSTALLED FROM THE METER LOCATION TO THE LEASE SPACE DE-MARC LOCATION OR THE NEAREST COMMUNICATION ROOM, WHICHEVER IS THE SHORTEST RUN.
7. WATER METERS SHALL BE INSTALLED ON EACH BASE BUILDING DOMESTIC WATER LINE FEEDING THE SPACE BELOW CEILING.
8. BACKFLOW PREVENTERS SHALL BE INSTALLED BELOW CEILING, AFTER THE WATER METER ON EACH BASE BUILDING DOMESTIC WATER LINE FEEDING THE SPACE.
9. BACKFLOW PREVENTER(S) SHALL HAVE ISOLATION VALVES.
10. WATER METER(S) SHALL HAVE ISOLATION VALVES.
11. DISCHARGE FROM KITCHENS, OTHER FOOD PREPARATION AREAS, AND/OR BARS ENTERING THE PUBLIC SEWER SYSTEM, MUST PASS THROUGH A GREASE INTERCEPTOR. GREASE INTERCEPTORS SHALL BE INSTALLED AND MAINTAINED BY THE TENANT.
12. GREASE INTERCEPTORS SHALL BE PASSIVE GRAVITY FLOW TYPE, SIZED FOR THE INTENDED USAGE OF THE SPACE.
13. 12.7.2 AIR ADMITTANCE VALVES: AIR ADMITTANCE VALVES ARE NOT ACCEPTABLE.
14. ALL GAS LINES SHALL BE PAINTED YELLOW CONTINUOUSLY.
15. ALL CONCEALED GAS LINES SHALL BE WELDED JOINTS. CONCEALED AS DEFINED - SHALL BE ANY PIPE OR PORTION OF PIPE THAT CANNOT BE VIEWED WHILE STANDING ON THE FLOOR SURFACE WITHOUT MOVING OR REMOVING ANY ARCHITECTURAL FEATURE OR STRUCTURAL MEMBER.
16. WATER METER(S) SHALL BE INSTALLED BETWEEN A MAXIMUM OF 6 FEET AFF AND A MINIMUM OF 4 FEET AFF, WITH AN UNOBSTRUCTED VIEW OF THE METERING GAUGE.

PLUMBING SPECIFICATIONS

- PART 1 - GENERAL
- 1.1 DEFINITIONS
- A. "PROVIDE" MEANS "FURNISH AND INSTALL."
- B. "FURNISH" MEANS "TO PURCHASE AND DELIVER TO THE PROJECT SITE COMPLETE WITH NECESSARY APPURTENANCE AND SUPPORT."
- C. "INSTALL" MEANS "TO UNLOAD AT THE DELIVERY POINT AT THE SITE AND PERFORM EVERY OPERATION NECESSARY TO ESTABLISH SECURE MOUNTING AND CORRECT OPERATION AT THE PROPER LOCATION IN THE PROJECT."
- 1.2 CONTRACT DOCUMENTS
- A. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE WORK WITH WORK OF OTHER CONTRACTORS AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. REMOVE ALL DEBRIS CAUSED BY THIS CONTRACTOR'S WORK.
- B. GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.
- C. PRIOR TO COMMENCING WORK, CONTRACTOR SHALL SUBMIT SIX COPIES OF THE SHOP DRAWINGS AND EQUIPMENT DATA FOR MATERIALS AND EQUIPMENT TO THE OWNDER FOR REVIEW AND APPROVAL. MATERIALS AND EQUIPMENT SHALL NOT BE INSTALLED BEFORE SHOP DRAWINGS ARE REVIEWED AND APPROVED. SCHEDULE AT LEAST TEN WORKING DAYS, EXCLUSIVE OF TRANSMITTAL TIME, FOR SUBMITTAL REVIEW.
- D. DEVIATION FROM CONTRACT DOCUMENTS, OR PROPOSED SUBSTITUTION OF MATERIALS OR EQUIPMENT FOR THOSE SPECIFIED, SHALL BE REQUESTED IN SEPARATE LETTER, WHETHER DEVIATIONS ARE DUE TO FIELD CONDITIONS, STANDARD SHOP PRACTICE OR OTHER CAUSE.
- E. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL DRAWINGS OF THIS SECTION.
- F. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEADROOM AT ALL TIMES. DO NOT RUN PIPES EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, SO THAT COMPLETED INSTALLATION SHALL OPERATE SAFELY AND EFFICIENTLY.
- G. AS WORK PROGRESSES AND FOR DURATION OF CONTRACT, MAINTAIN COMPLETE SET OF PRINTS OF CONTRACT DRAWINGS AT JOB SITE AT ALL TIMES. RECORD WORK COMPLETED AND ALL CHANGES FROM ORIGINAL CONTRACT DRAWINGS CLEARLY AND ACCURATELY INCLUDING WORK INSTALLED AS A MODIFICATION OR ADDITION TO THE ORIGINAL DESIGN.
- PART 2 - PRODUCTS
- 2.1 SANITARY WASTE AND VENT PIPING
- A. HUBLESS CAST-IRON SOIL PIPE AND FITTINGS: PIPE AND FITTINGS: ASTM A 888 OR CISPI 301 STANDARD, SHIELDED, STAINLESS-STEEL COUPLINGS: CISPI 310, WITH STAINLESS-STEEL CORRUGATED SHIELD; STAINLESS-STEEL BANDS AND TIGHTENING DEVICES; AND ASTM C 564, RUBBER SLEEVE.
- B. CLEANOUTS ASME A112.36.2M FOR ADJUSTABLE HOUSING CLEANOUT EQUAL TO ZURN.
- 2.2 DOMESTIC WATER PIPING
- A. COPPER TUBING: ASTM B88, TYPE L HARD DRAWN, FOR PIPING 2 INCHES NPS AND SMALLER.
- B. FITTINGS: ASME B16.18, CAST COPPER ALLOY OR ASME B16.22, WROUGHT COPPER AND BRONZE.
- C. JOINTS: SOLDER, LEAD FREE, ASTM B32, 95-5 TIN-ANTIMONY, OR TIN AND SILVER, WITH MELTING RANGE 430 TO 535 DEGREES F.
- D. VALVES: MSS SP 110, CLASS 150, BRONZE, THREE PIECE BODY, TYPE 316 STAINLESS STEEL BALL, FULL PORT, TEFLON SEATS, BLOW-OUT PROOF STEM, SOLDER OR THREADED ENDS, LOCKING LEVEL HANDLE WITH BALANCING STOPS, EQUAL TO NIBCO, INC.
- 2.3 PIPE INSULATION
- A. DOMESTIC: 1" CLOSED-CELL ELASTOMERIC.
- 2.4 FOOD SERVICE EQUIPMENT
- A. REFER TO FOOD SERVICE EQUIPMENT SCHEDULE FOR MANUFACTURERS AND MODEL NUMBER THE DESIGN IS BASED ON. PROVIDE ALL NECESSARY ROUGH-IN AND MAKE FINAL CONNECTION TO FOOD SERVICE EQUIPMENT PROVIDED BY OTHERS.
- PART 3 - EXECUTION
- 3.1 START-UP OF EQUIPMENT AND SYSTEMS
- A. THE OWNER WILL CHECK THE COMPLETED INSTALLATION EITHER SEQUENTIALLY AS DIFFERENT PARTS ARE COMPLETED, OR WHEN THE ENTIRE INSTALLATION IS COMPLETE, AT THE SOLE OPTION OF THE ARCHITECT.
- B. PRIOR TO ANY SITE VISIT BY ARCHITECT/OWNER, THIS CONTRACTOR SHALL SUBMIT A LETTER SIGNED BY AN OFFICER OF THIS CONTRACTING COMPANY OR AN OFFICER OF THE GENERAL CONTRACTOR STATING THAT:
1. THEY ARE AN OFFICER OF THE COMPANY,
2. THEY HAVE PERSONALLY INSPECTED THE INSTALLATION TO BE CHECKED,
3. THE DATE OF THEIR INSPECTION,
4. THE INSTALLATION IS COMPLETE, TESTED, IN OPERABLE CONDITION, AND READY TO BE INSPECTED BY THE ARCHITECT.
- 3.2 PLUMBING SYSTEMS
- A. ASSEMBLE PLUMBING FIXTURES, TRIM, FITTINGS, AND OTHER COMPONENTS ACCORDING TO MANUFACTURERS' WRITTEN INSTRUCTIONS.
- B. INSTALL COUNTER-MOUNTING FIXTURES IN AND ATTACHED TO CASEWORK.
- C. INSTALL WATER-SUPPLY PIPING WITH STOP ON EACH SUPPLY TO EACH FIXTURE TO BE CONNECTED TO WATER DISTRIBUTION PIPING. ATTACH SUPPLIES TO SUPPORTS OR SUBSTRATE WITHIN PIPE SPACES BEHIND FIXTURES. INSTALL STOPS IN LOCATIONS WHERE THEY CAN BE EASILY REACHED FOR OPERATION. INSTALL TRAPS ON FIXTURE OUTLETS.
- D. SEAL JOINTS BETWEEN FIXTURES AND WALLS, FLOORS, AND COUNTERTOPS USING SANITARY-TYPE, ONE-PART, MILDEW-RESISTANT SILICONE SEALANT. MATCH SEALANT COLOR TO FIXTURE COLOR.
- E. OPERATE AND ADJUST FIXTURES AND CONTROLS. REPLACE DAMAGED AND MALFUNCTIONING FIXTURES, FITTINGS, AND CONTROLS. REPLACE WASHERS AND SEALS OF LEAKING AND DRIPPING FAUCETS AND STOPS.
- F. CLEAN FIXTURES, FAUCETS, AND OTHER FITTINGS WITH MANUFACTURERS' RECOMMENDED CLEANING METHODS AND MATERIALS. REMOVE FAUCET SPOUTS AND STRAINERS; REMOVE SEDIMENT AND DEBRIS, AND REINSTALL STRAINERS AND SPOUTS. REMOVE SEDIMENT AND DEBRIS FROM DRAINS.
- G. PROVIDE PROTECTIVE COVERING FOR INSTALLED FIXTURES AND FITTINGS. DO NOT ALLOW USE OF PLUMBING FIXTURES EXCEPT WHERE DIRECTED BY THE OWNER.
- 3.3 PENETRATIONS AND SLEEVES
- A. GENERAL
1. COORDINATE WORK CAREFULLY WITH ARCHITECTURAL AND STRUCTURAL WORK. SET SLEEVES IN FORMS BEFORE CONCRETE IS POURED. PROVIDE CORE DRILLING AS NECESSARY TO SET SLEEVES IF NOT SET BEFORE CONCRETE IS POURED, AND TO SET SLEEVES IN EXISTING CONSTRUCTION. DO NOT PENETRATE STRUCTURAL MEMBERS WITHOUT ARCHITECT'S APPROVAL.
2. SLEEVES THROUGH FLOORS SHALL BE WATER-TIGHT AND SHALL EXTEND TWO INCHES ABOVE FLOOR SURFACE.
3. SLEEVES THROUGH FIRE AND SMOKE RATED WALL, PARTITIONS AND SLABS SHALL MAINTAIN THE FIRE RATING OF THE CONSTRUCTION PENETRATED.
4. DO NOT SUPPORT PIPING RISERS ON SLEEVES.
- B. INSTALLATION, TESTING, LISTINGS AND APPROVALS
1. SLEEVE PENETRATION METHODS SHALL BE WATER AND GAS TIGHT AND SHALL MEET REQUIREMENTS OF ASTM E-119 STANDARD METHODS OF FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS.
2. FIRE-STOP PENETRATION SEAL METHODS AND MATERIALS SHALL BE FM-APPROVED AND UL-LISTED AS APPLICABLE FOR THE CONSTRUCTION PENETRATED.
- 3.4 CLEANING
- A. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
1. PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.
2. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION; IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652 OR FOLLOW PROCEDURES DESCRIBED BELOW:
- a. FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
- b. FILL AND ISOLATE SYSTEM ACCORDING TO EITHER OF THE FOLLOWING:
- 1) FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 50 PPM OF CHLORINE. ISOLATE WITH VALVES AND ALLOW TO STAND FOR 24 HOURS.
- 2) FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200 PPM OF CHLORINE. ISOLATE AND ALLOW TO STAND FOR THREE HOURS.
- c. FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME.
- d. REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
- e. SUBMIT WATER SAMPLES IN STERILE BOTTLES TO AUTHORITIES HAVING JURISDICTION.

GENERAL NOTES

1. WORK SHALL CONFORM TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND THE LATEST APPLICABLE INTERNATIONAL PLUMBING CODE, NATIONAL STANDARD PLUMBING CODE, AND NFPA PAMPHLET 13.
2. THE SCOPE OF WORK INDICATED IN THESE DOCUMENTS SHALL INCLUDE PLUMBING SYSTEM, FULLY ADJUSTED, TESTED AND READY TO USE. PROVIDE ITEMS NECESSARY TO COMPLETE THE SYSTEMS. EXAMINE WORK INDICATED FOR TRADES IN ORDER TO DETERMINE THE EXTENT OF THE WORK REQUIRED TO BE COMPLETED.
3. IT IS THE INTENTION OF THESE DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE, TESTED AND READY FOR USE."
4. THE DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EVERY COMPONENT AND/OR ACCESSORY REQUIRED FOR A COMPLETE INSTALLATION. THE CONTRACTOR SHALL PROVIDE ITEMS NECESSARY FOR A PROPERLY WORKING SYSTEM IN COMPLIANCE WITH ACCEPTED INDUSTRY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
5. PRIOR TO BID, THE CONTRACTOR SHALL VISIT THE SITE AND IDENTIFY ITEMS THAT MAY AFFECT THEIR BID. PRIOR TO THE INSTALLATION, FABRICATION, REMOVAL, OR RELOCATION OF ANY WORK, THE CONTRACTORS SHALL REVIEW THE ACTUAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND SHALL COORDINATE WORK WITH THE PLANS, EXISTING EQUIPMENT AND SYSTEMS, BUILDING STRUCTURE AND WORK OF OTHER TRADES. WHERE CONFLICTS OCCUR, OR IF CONNECTIONS THERETO CAN NOT BE MADE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER PRIOR TO MATERIAL FABRICATION OR INSTALLATION.
6. WHERE THE WORK OF VARIOUS TRADES WILL BE INSTALLED IN CLOSE PROXIMITY TO ONE ANOTHER OR WHERE THERE IS EVIDENCE THAT THE WORK OF ONE TRADE WILL INTERFERE WITH WORK OF ANOTHER, THE CONTRACTOR SHALL WORK OUT SPACE CONDITIONS TO MAKE A SATISFACTORY ADJUSTMENT. IF THE CONTRACTOR ALLOWS ONE TRADE TO INSTALL THEIR WORK BEFORE COORDINATING WITH WORK OF OTHER TRADES THE CONTRACTOR SHALL MAKE NECESSARY CHANGES TO CORRECT THE CONDITIONS IN A MANNER ACCEPTABLE TO THE OWNER AND THE CONTRACTOR SHALL BEAR THE COST OF SUCH CORRECTIONS.
7. THE CONTRACTOR SHALL LOCATE EQUIPMENT WHICH MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITION. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, MOTORS, CONTROLLERS, DRAIN PANS, ETC. IF REQUIRED FOR ACCESSIBILITY, FURNISH ACCESS DOORS FOR THE PURPOSE. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ALLOW FOR BETTER ACCESSIBILITY.
8. WORK IN OCCUPIED SPACE SHALL BE COORDINATED WITH THE OWNER. SHOULD ANY OUTAGES BE REQUIRED IN THE COURSE OF THIS PROJECT, THE CONTRACTOR SHALL COORDINATE SUCH OUTAGES WITH THE OWNER, SCHEDULING ANY OUTAGES DURING THE NON WORKING HOURS, SO AS NOT TO EFFECT FACILITY OPERATIONS, 72 HOURS NOTICE WILL BE REQUIRED PRIOR TO ANY OUTAGE. NO OUTAGE MAY BE EXECUTED PRIOR TO APPROVAL OF THE OWNER.
9. THE CONTRACTOR SHALL LEAVE THE ENTIRE PLUMBING AND SPRINKLER SYSTEM INSTALLED UNDER THIS CONTRACT IN PROPER WORKING ORDER AND SHALL, WITHOUT CHARGE, REPLACE ANY WORK OR MATERIALS WHICH DEVELOP DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE.
10. THE CONTRACTOR SHALL, DURING THE ONE YEAR WARRANTY PERIOD, BE RESPONSIBLE FOR PROPER REPAIR AND ADJUSTMENTS OF PLUMBING SYSTEMS AND EQUIPMENT, APPARATUS, DEVICES ETC. INSTALLED BY HIM, AND DO WORK NECESSARY TO ENSURE EFFICIENT AND PROPER FUNCTIONING.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL INCUR FINANCIAL RESPONSIBILITIES FOR, ANY DAMAGES CAUSED BY OR RESULTING FROM DEFECTS IN THEIR WORK.
12. WHEREVER PIPES, CONDUITS, OR OTHER ITEMS PASS THROUGH FIRE RATED WALLS AND FLOORS, THE SPACE BETWEEN THE ITEM AND THE MASONRY OR THE SPACE BETWEEN THE ITEM AND THE SLEEVE SHALL BE ADEQUATELY FIRE STOPPED WITH A NON COMBUSTIBLE, NON MELTING MATERIAL IN ACCORDANCE WITH NFPA STANDARDS.
13. WALL OPENINGS RESULTING FROM DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH EXISTING.
14. FINISHES DAMAGED DURING THE PROJECTS SHALL BE REPAIRED TO MATCH EXISTING.
15. ALL UTILITIES ARE TO BE NEW.

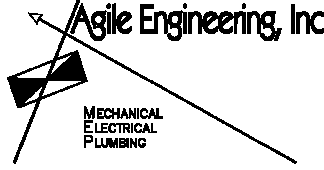


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No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

PLUMBING LEGEND,
NOTES AND
SPECIFICATIONS

Project number	Project Number
Date	Issue Date
Drawn by	Author
Checked by	Checker

P0.1

Scale

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No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

PLUMBING SANITARY PLAN

Project number	Project Number
Date	Issue Date
Drawn by	Author
Checked by	Checker

P1.0

Scale 1/4" = 1'-0"

GENERAL NOTES:

1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PREVENT EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

2. RUN WATER AND VENT LINES FOR APPLIANCES IN OPEN COUNTERS CONCEALED INSIDE COUNTER MILLWORK.

NOTES:

1. ALL PLUMBING INSTALLATIONS SHALL BE PARALLEL OR PERPENDICULAR TO THE BASE BUILDING STRUCTURAL ELEMENTS.

2. AIR ADMITTANCE VALVES: AIR ADMITTANCE VALVES ARE NOT ACCEPTABLE.

3. GREASE INTERCEPTORS SHALL BE PASSIVE GRAVITY FLOW TYPE, SIZED FOR THE INTENDED USAGE OF THE SPACE.

SHEET KEYNOTE (SANITARY):

- 1 PROVIDE SCHIER GB2 GREASE INTERCEPTOR WITH BUILT-IN FLOW CONTROL.
- 2 HAVE INTEGRITY OF FLOOR DRAINS AND PIPING CHECKED BY PLUMBER, REPAIR AS NECESSARY. TYP. OF ALL FLOOR DRAINS AND PIPING.
- 3 PROVIDE NEW INDIRECT WASTE PIPING AS SHOWN.

1 SANITARY
1/4" = 1'-0"

1. INFORMATION SHOWN ON THIS DRAWING PERTAINING TO EXISTING CONDITIONS HAS BEEN OBTAINED FROM AVAILABLE BUILDING DRAWINGS OR GENERAL FIELD OBSERVATIONS AND MAY NOT INDICATE ACTUAL EXISTING CONDITIONS IN DETAIL OR DIMENSION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL EXISTING CONDITIONS PRIOR TO FABRICATION OR PERFORMANCE OF ANY WORK. SHOULD CONDITIONS BE DISCOVERED THAT PRELUDE EXECUTION OF THE WORK AS INDICATED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

2. RUN WATER AND VENT LINES FOR APPLIANCES IN OPEN COUNTERS CONCEALED INSIDE COUNTER MILLWORK.

1. ALL PLUMBING INSTALLATIONS SHALL BE PARALLEL OR PERPENDICULAR TO THE BASE BUILDING STRUCTURAL ELEMENTS.
2. ALL METERS SHALL BE WITHIN THE LEASE SPACE AND HAVE A HOME RUN 1" CONDUIT INSTALLED FROM THE METER LOCATION TO THE LEASE SPACE DE-MARC LOCATION OR THE NEAREST COMMUNICATION ROOM WHICHEVER IS THE SHORTEST RUN
3. ALL GAS LINES SHALL BE PAINTED YELLOW CONTINUOUSLY.
4. ALL CONCEALED GAS LINES SHALL BE WELDED JOINTS. CONCEALED AS DEFINED - SHALL BE ANY PIPE OR PORTION OF PIPE THAT CANNOT BE VIEWED WHILE STANDING ON THE FLOOR SURFACE WITHOUT MOVING OR REMOVING ANY ARCHITECTURAL FEATURE OR STRUCTURAL MEMBER.
5. WATER METER (S) SHALL BE INSTALLED BETWEEN MAXIMUM OF 6 FEET AFF AND A MINIMUM OF 4 FEET AFF, WITH AN UNOBSTRUCTED VIEW OF THE METERING GAUGE.
6. WATER METERS SHALL BE INSTALLED ON EACH BASE BUILDING DOMESTIC WATER LINE FEEDING THE SPACE.
7. BACKFLOW PREVENTERS SHALL BE INSTALLED AFTER THE WATER METER ON EACH BASE BUILDING DOMESTIC WATER LINE FEEDING THE SPACE.
8. INSTALL WATER AERATORS THAT DO NOT EXCEED FLOW RATES OF 1.5 GPM ON KITCHEN SINKS; EXCEPT FILL SINKS.
9. PRIORITIZE ENERGY STAR APPLIANCES AND EQUIPMENT AND ENABLE ENERGY SAVING FEATURES .
10. THREADED CONNECTIONS FOR GAS PIPING SHALL BE ACCEPTABLE IN NON-CORRODED AREAS.

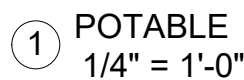
1. PROVIDE NEW WATER METER AND RPZ ASSEMBLY ABOVE CEILING. ROUTE PRESSURE RELIEF TO NEAREST FLOOR SINK.
2. WATER FILTER SHALL HAVE A DESCALING CARTRIDGE. P.C. SHALL UTILIZE DESCALING FOR ALL FILTERED WATER CONNECTIONS.
3. THE BOTTOM OF THE MOP SINK SHALL BE PROPERLY SEALED TO THE FINISHED FLOOR.
4. HOT WATER HEATER SHALL BE MOUNTED ABOVE THE MOP SINK.
5. PROVIDE GAS METER. INSTALL PER MWAA SPECIFICATIONS AND CONNECTION DETAILS.
6. PROVIDE 3/4" BALL VALVE AND CONNECTION HOSE, DORMONT OR EQUAL.
7. ANSUL GAS VALVE TO BE VISIBLE FOR INSPECTION FROM FLOOR. FURNISHED BY KEC/CAPTIVE AIR AND INSTALLED BY GAS CONTRACTOR.
8. GAS LINE TO RUN DOWN INSIDE WALL AND THEN OUT TO ANSUL VALVE. FROM ANSUL VALVE GAS LINE TO RUN DOWN WITHIN WALL CAVITY TO POINT OF USE.

$$D = \frac{Q^{0.381}}{18.93 \left[\frac{(P_1^2 - P_2^2) \times Y}{C_v \times L} \right]^{0.206}}$$

Input BTUH	882,000	
D	1.17	in
Q	858	CFH
P ₁	2.00	psi
P ₂	1.90	psi
L	70	Ft

Equipment	# of units	BTUH/unit	Total BTUH	Required in-WC	Minimum Inlet Size
Griddle #9	1	120,000	120,000	7"	3/4"
4 Burner range #10	1	132,000	132,000	7"	3/4"
Fryer #12	3	210,000	630,000	7"	1"
Total			882,000		

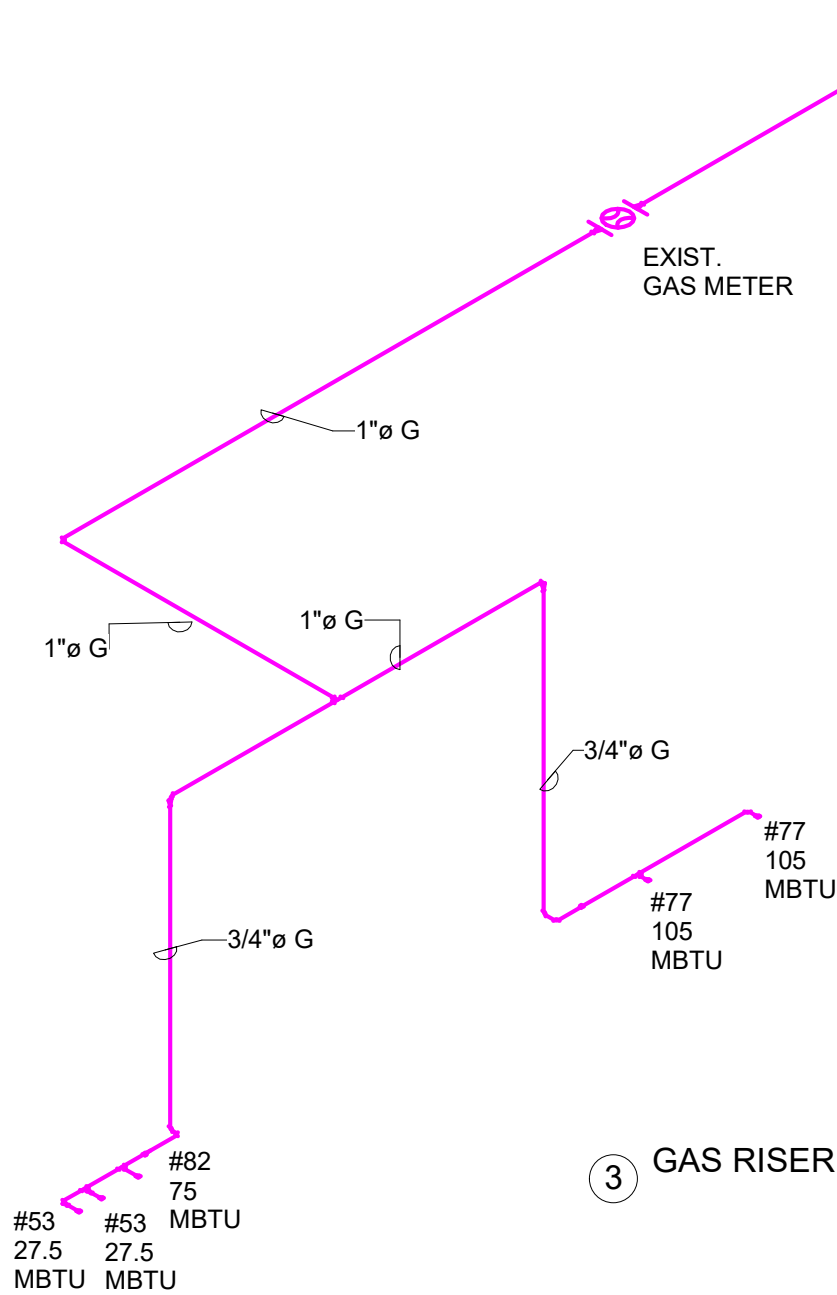
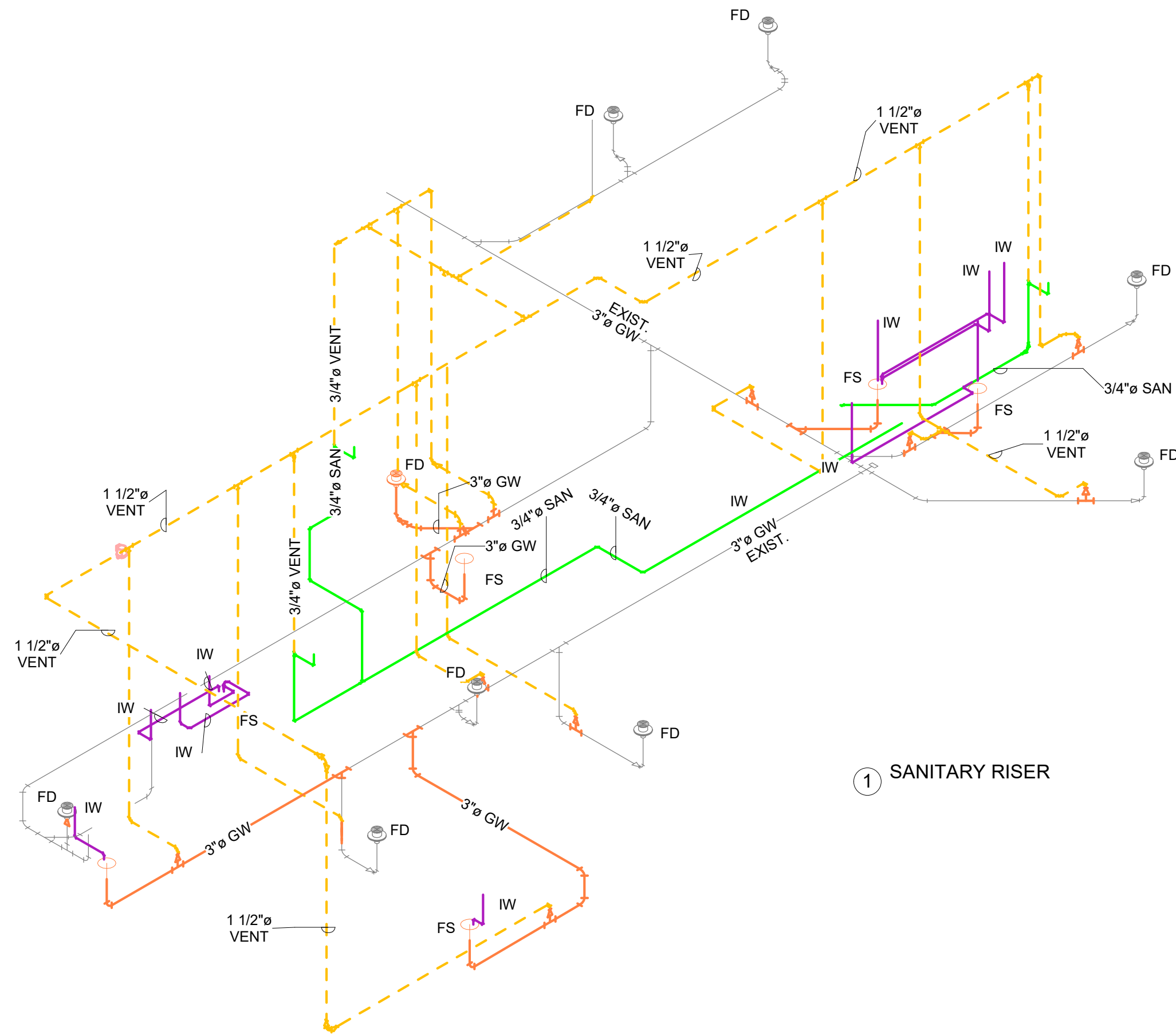
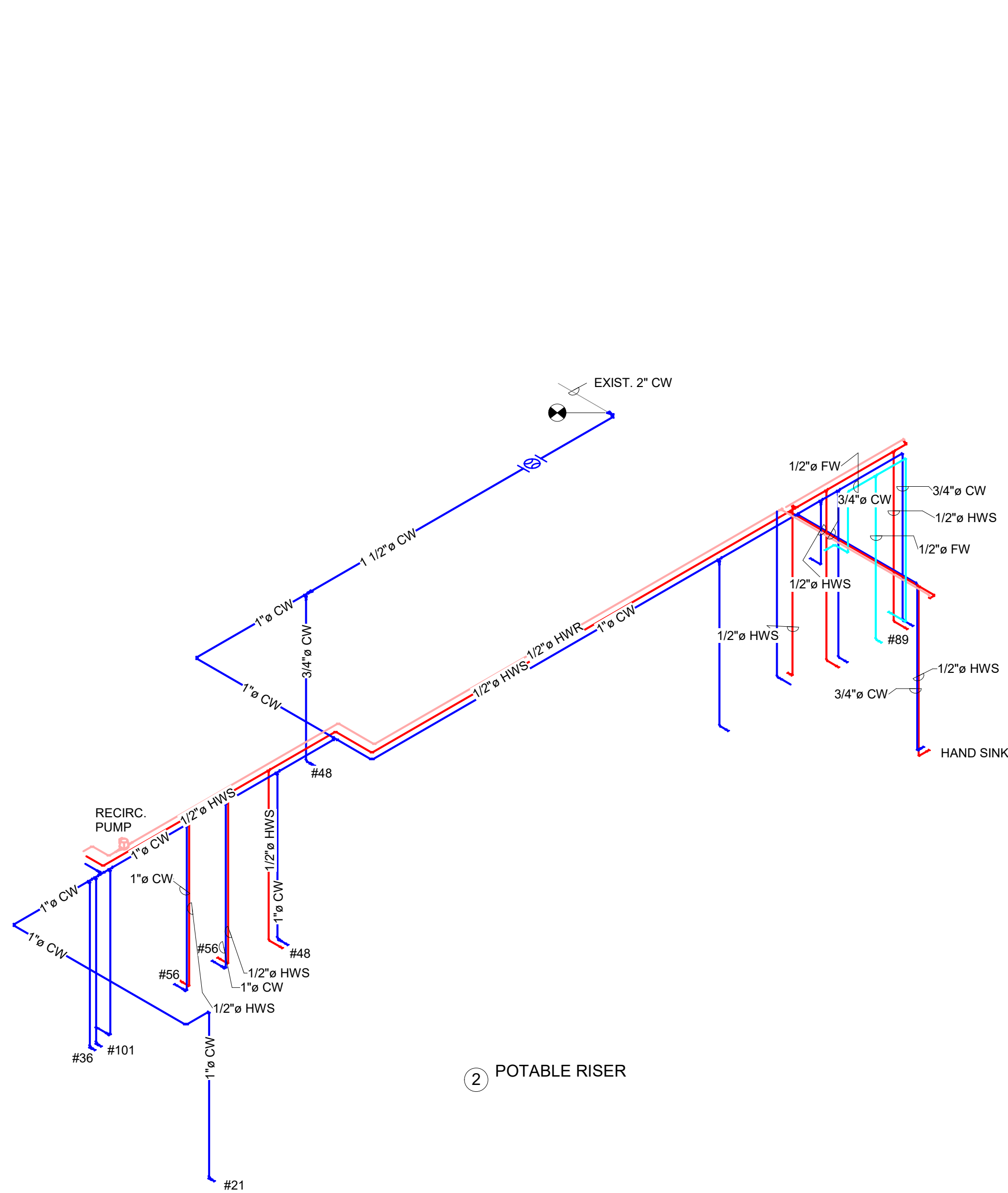
Water Supply Fixture Units (WSFU) Calculations per Plumbing Code						
Fixture	Quantity	CWFU Ea.	CWFU Total	HWFU Ea.	HWFU Total	WSFU Total
Hand sink	4	1.5	6	1.5	6	12
Drop-in sink	1	1	1	1	1	2
1-comp sink	1	1.5	1.5	1.5	1.5	3
Coffee machine	1	0.5	0.5	0	0	0.5
Convection oven	1	0.5	0.5	0	0	0.5
Soda system	1	0.5	0.5	0	0	0.5
Ice machine	1	2	2	0	0	2
3-comp sink	1	4.5	4.5	4.5	4.5	9
Mop sink	1	1.5	1.5	1.5	1.5	3
Total FU's			18		14.5	32.5
Per VPC Table E103.3(3) the estimated demand for water shall be 15.5 gallons per minute. Equivalent length of piping is approximately 80'. Based on Figure E103.3(2) a 1-1/4" pipe shall have a loss of 4.8 psi per 100 feet. A 1-1/4" pipe is acceptable for the proposed project.						



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Scale	1/4" = 1'-0"
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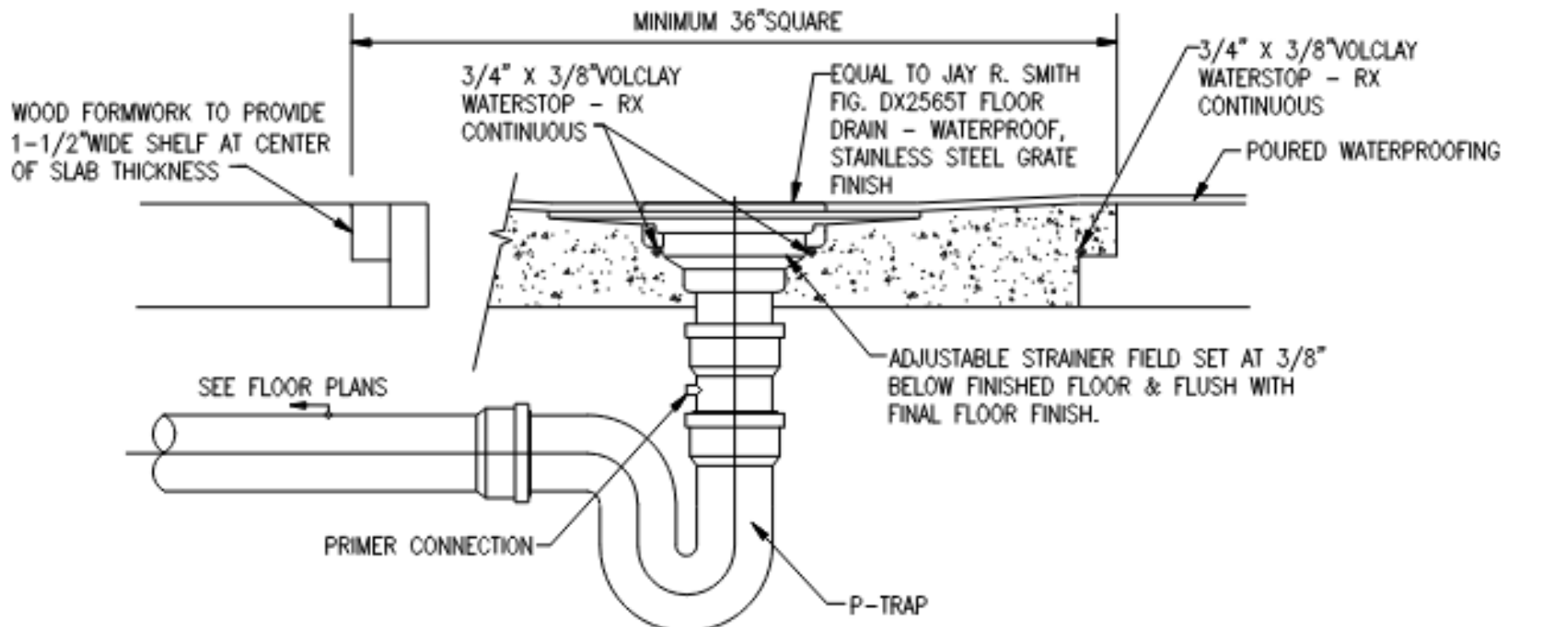
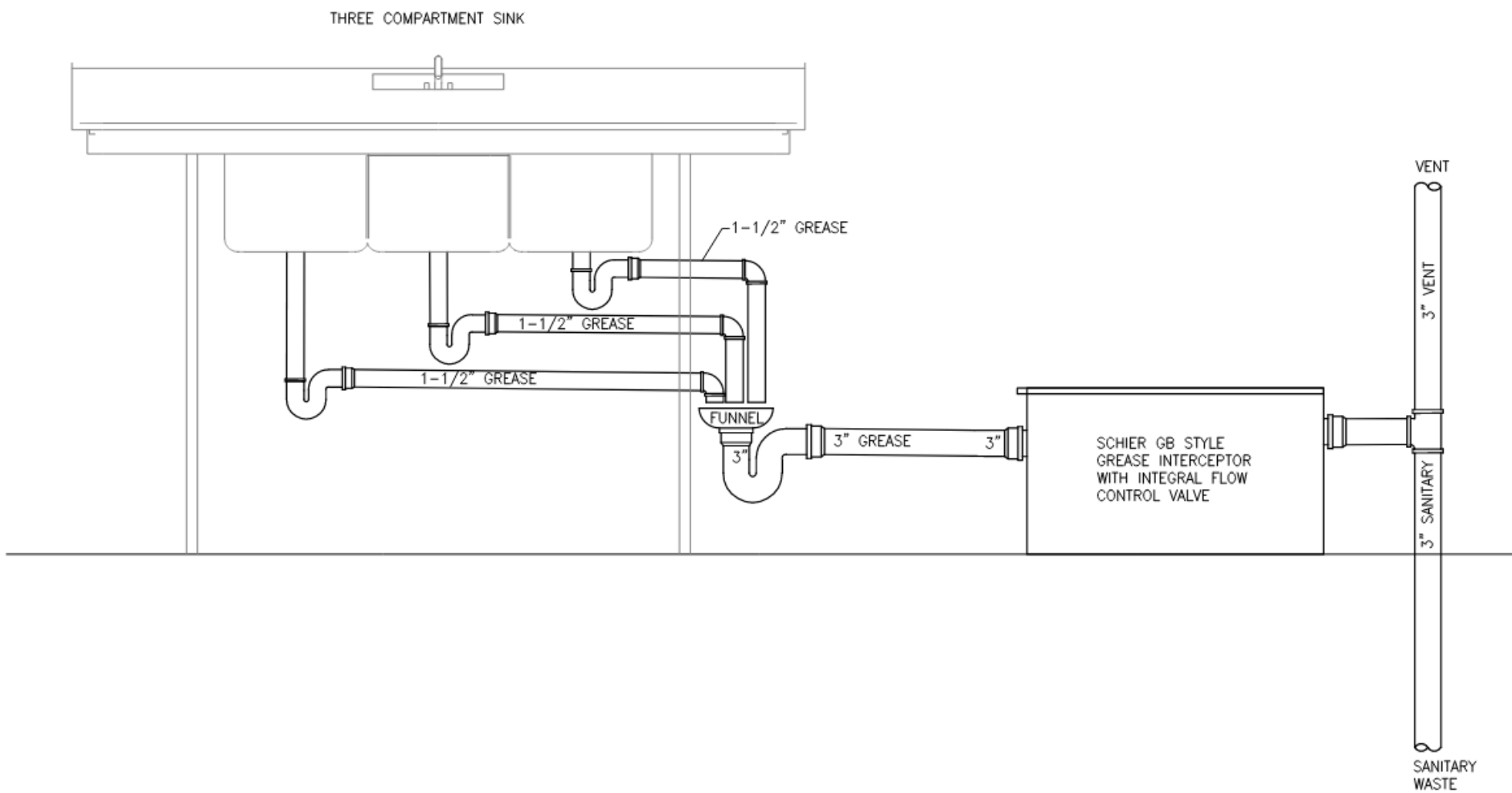
No.	Description	Date
1	65% SUBMITTAL	12/05/2025
2	95% SUBMITTAL	02/05/2026

PLUMBING RISERS

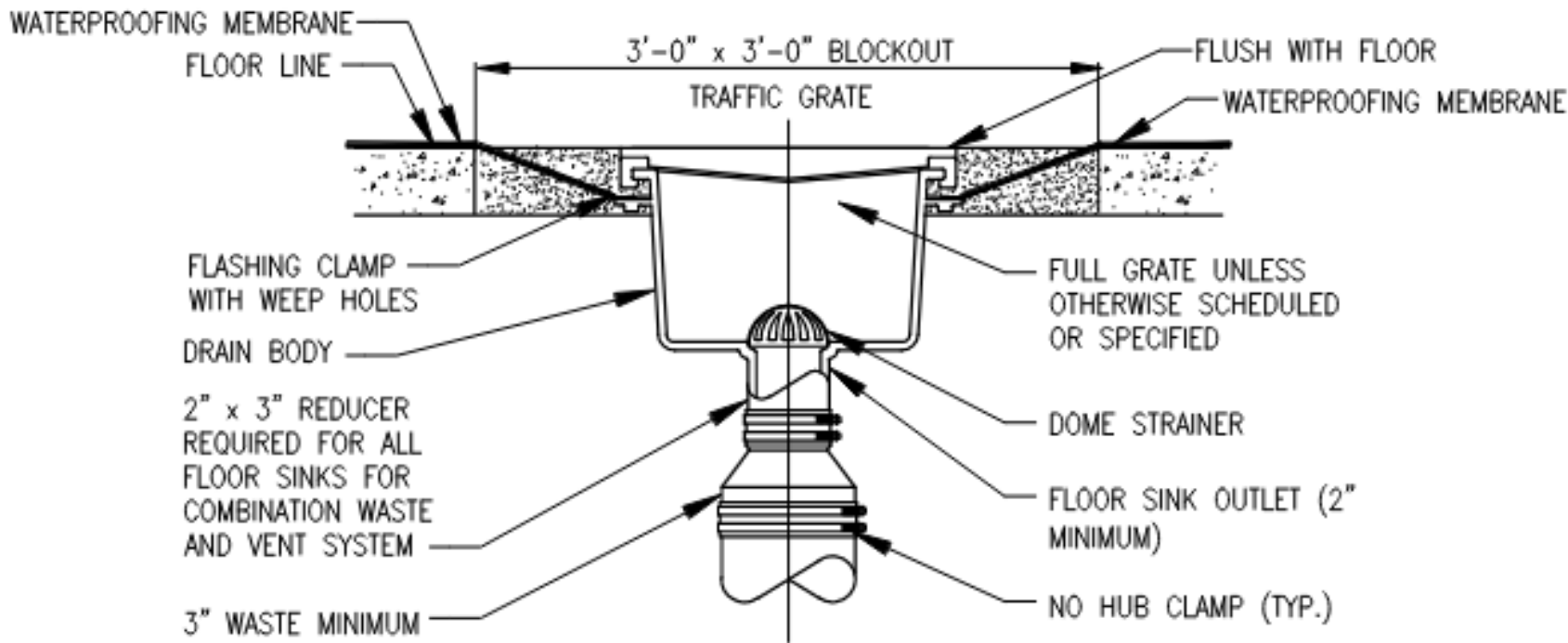
Project number	Project Number
Date	Issue Date
Drawn by	Author
Checked by	Checker

P2.0

Scale



EXISTING CONCRETE SLAB
FLOOR DRAIN INSTALLATION DETAIL
SCALE: NOT TO SCALE



EXISTING CONCRETE SLAB
FLOOR SINK INSTALLATION DETAIL
SCALE: NOT TO SCALE

PLUMBING FIXTURE SCHEDULE				
MARK	TYPE	MANUFACTURER	MODEL	DESCRIPTION
RPZ-1	REDUCED PRESSURE ZONE	WATTS	LF009	REDUCED PRESSEURE ZONE DOUBLE CHECK VALVE
DCV-1	DOUBLE CHECK VALVE	WATTS	SD-2	ASSE 1032/UL. PROVIDE WITH QUARTER TURN FULL PORT BALL VALVES.
DCV-2	DOUBLE CHECK VALVE	WATTS	LF7R	ASSE 1032/UL. PROVIDE WITH QUARTER TURN FULL PORT BALL VALVES. FOR ICE MACHINE
DCV-3	DOUBLE CHECK VALVE	WATTS	LF7R	ASSE 1032/UL. PROVIDE WITH QUARTER TURN FULL PORT BALL VALVES. FOR DISH MACHINE
GB-2	GREASE INTERCEPTOR	SCHIER	GB2	POLYETHELENE GREASE INTERCEPTOR, PDI, RATED AT 50 GPM AND 100 LBS. GREASE CAPACITY.
FS	FLOOR SINK	ZURN	Z1960KC	8" ROUND FLOOR SINK, 3" OUTLET AND MEMBRANE CLAMPS. PROVIDE WITH 3/4 GRATE FOR SINGLE PIPE INDIRECT OR 1/2 GRATE FOR MULTI-PIPE INDIRECT. PLACE HALF UNDER COUNTERS. MOUNT FLUSH WITH FLOOR
WH	ELECTRIC WATER HEATER	AO SMITH	DRE-52-24	480V, 3 PH, 28.9 AMPS. PROVIDE WITH METAL DRAIN PAN. PROVIDE SHELF FOR MOUNTING ABOVE MOP SINK. PROVIDE HEAT TRAPS ON BOTH COLD & HOT WATER LINES.
WM	WATER METER	BADGER METER	MODEL M120	RECORDALL 1-1/2" COLD WATER BRONZE DISC METER. MAXIMUM CONTINUOUS OPERATION OF 120GPM. MAXIMUM OPERATING PRESSURE OF 150PSI.
RP	RECIRCULATION PUMP	GRUNDFOS	UPC 26-99 FC	120V, 1 PH, 1.8A 0.161HP SINGLE PHASE MOTOR RECIRCULATION PUMP.

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PLUMBING DETAILS
AND SCHEDULES

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Scale

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