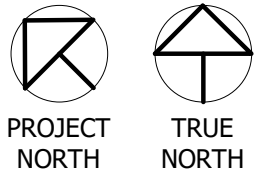
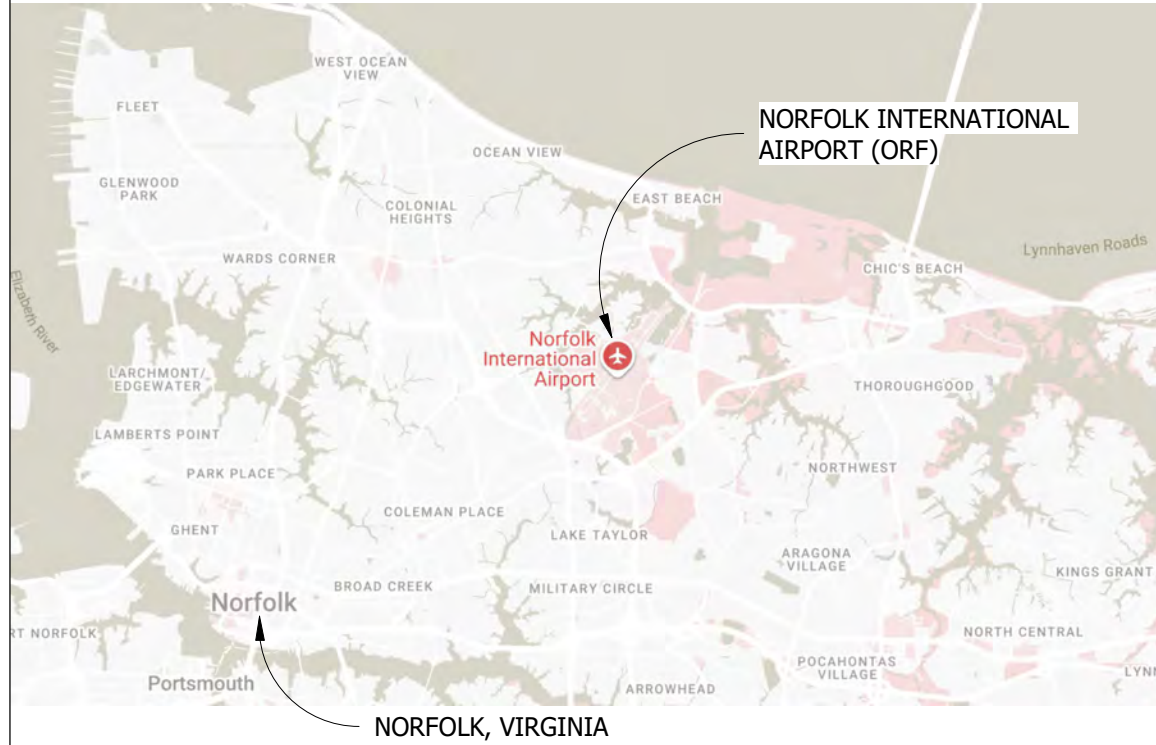
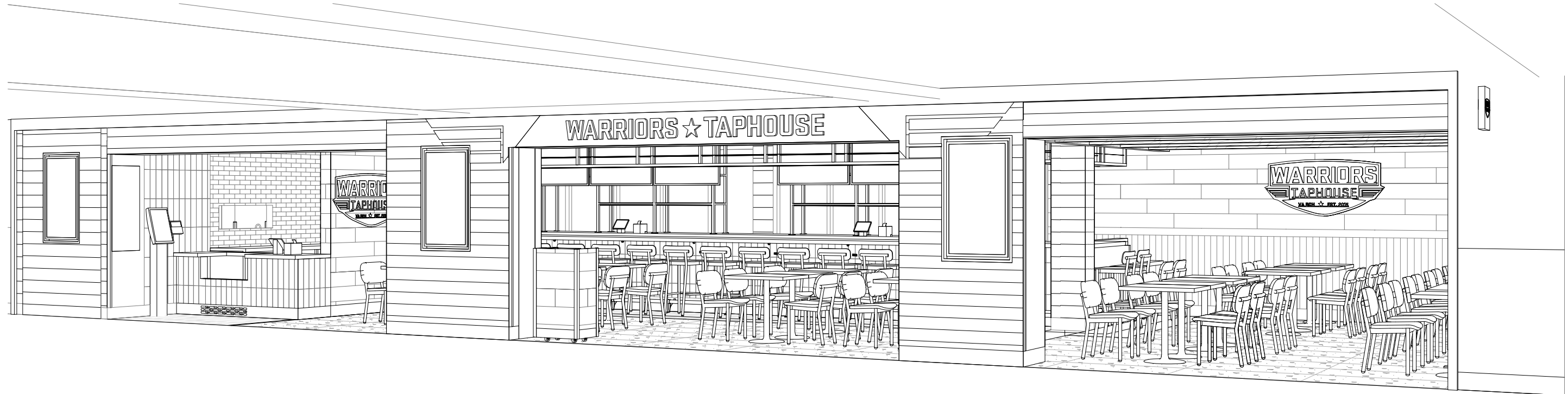


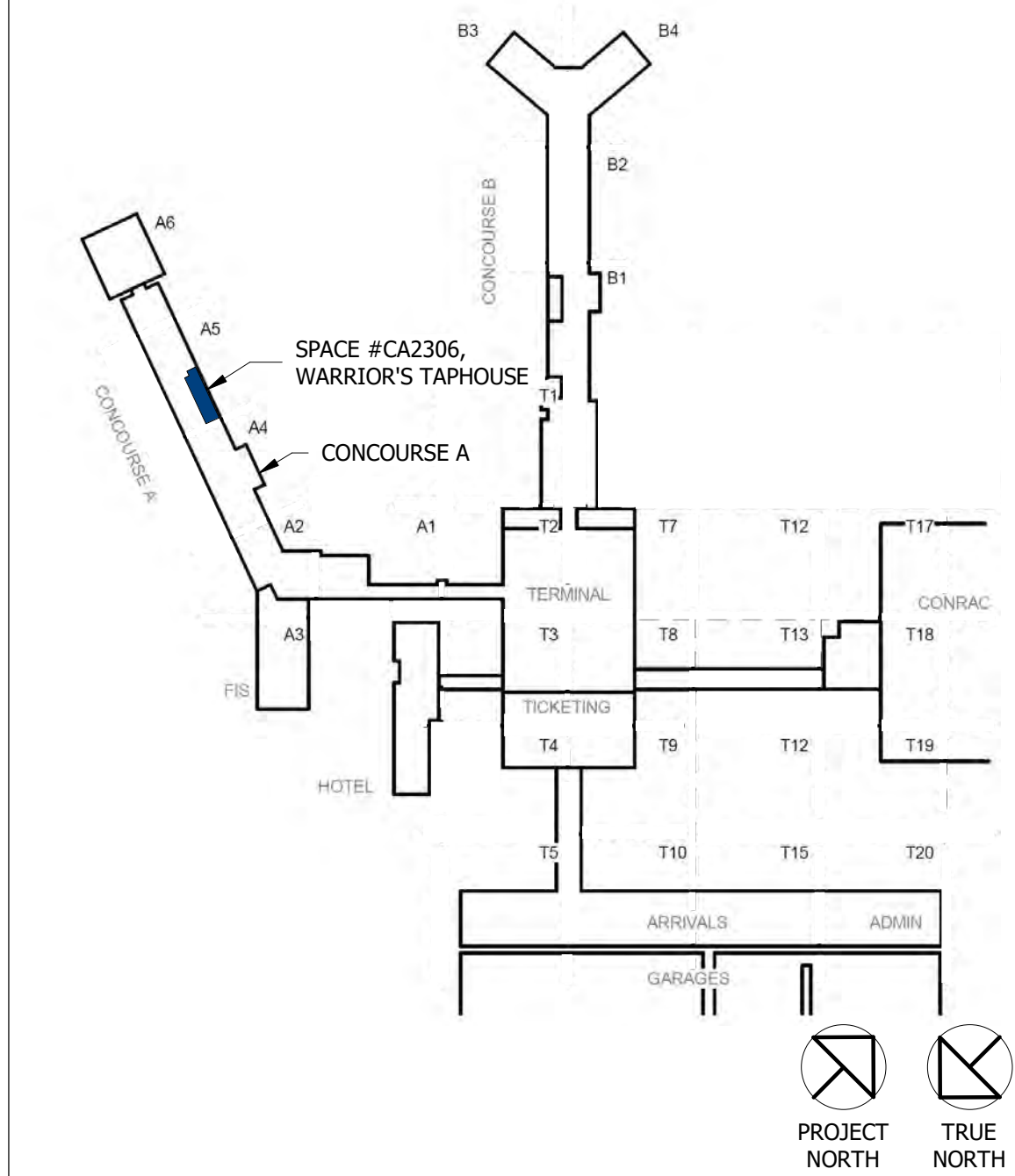
VICINITY MAP



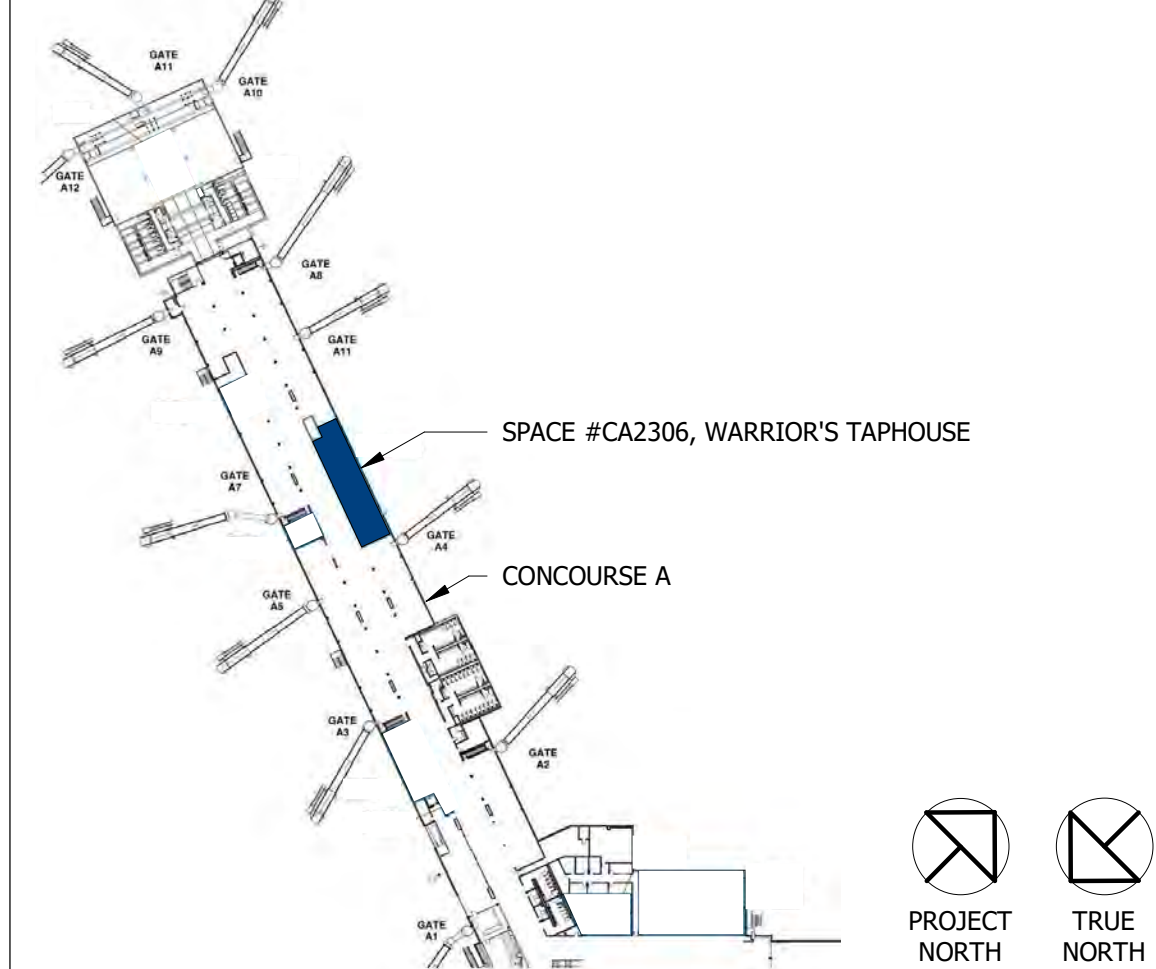
ORF WARRIOR'S TAPHOUSE
NORFOLK INTERNATIONAL AIRPORT
2200 NORVIEW AVE
NORFOLK, VA 23518
CONCOURSE A, A.06
SPACE #CA2306
100% SUBMITTAL
03/24/2026



KEY PLAN



SITE PLAN



PROJECT DATA

OCCUPANCY LOAD CALCULATIONS:

ACTUAL PROJECT AREA: 2,380 SQFT

OCCUPANT LOAD CALCULATIONS:

SUPPORT ROOM	=	395 SF / 200	=	2 PERSONS
BOH	=	484 SF / 200	=	3 PERSONS
BAR SERVICE AREA	=	258 SF / 200	=	2 PERSONS
SERVICE AREA	=	86 SF / 200	=	1 PERSONS
TO-GO AREA	=	29 SF / 5 NET	=	6 PERSONS
LOOSE SEATING	=	863 SF / 15 NET	=	58 PERSONS
FIXED SEATING:				
BAR COUNTER	=	17 PERSONS + 2 ADA		
TOTAL	=			91 PERSONS

EGRESS:

2 EXITS REQUIRED.
PROVIDED EXITS = 5 OF 2 REQUIRED.
EGRESS WIDTH = 36" MINIMUM, OPENINGS > OR = 36"
36" AISLES PROVIDED
EGRESS CAPACITY = 2" PER OCCUPANT = 180 OCCUPANTS PER 36" DOOR > 92 PERSON OCCUPANCY LOAD.

63' - 9 1/2" / 4 = 15' - 5 1/2"
31' - 11" MIN DISTANCE REQUIRED BETWEEN TWO EXITS
DISTANCE PROVIDED = 18' - 2"

OCCUPANCY GROUP: A-2 - RESTAURANT

CONSTRUCTION TYPE: IIB - FULLY SPRINKLED

NOTES:

- BUILDING PERMITTED AS A COVERED MALL.
- NO RESTROOMS REQUIRED WITHIN INDIVIDUAL TENANT SPACES.

APPLICABLE CODES

CONSTRUCTION CODE: 2021 VIRGINIA CONSTRUCTION CODE

BUILDING CODE: 2021 UNIFORM STATEWIDE BUILDING CODE (USBC)
2021 VIRGINIA CONSTRUCTION CODE (VCC)
2021 VIRGINIA EXISTING BUILDING CODE
VIRGINIA CODE

MECHANICAL CODE: 2021 VIRGINIA MECHANICAL CODE (VMC)

PLUMBING CODE: 2021 VIRGINIA PLUMBING CODE (VPC)

ELECTRIC CODE: NFPA 70 - 2020 NATIONAL ELECTRICAL CODE (NEC)

FIRE CODE: NFPA 72 - 2019 NATIONAL FIRE ALARM AND SIGNALING CODE
2021 VIRGINIA STATEWIDE FIRE PREVENTION CODE

SPRINKLER CODE: NFPA 13 - 2019 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS

ENERGY CODE: 2021 INTERNATIONAL ENERGY CONSERVATION CODE

ACCESSIBILITY CODE: 2010 ADA STANDARDS, 2010 ICC
ANSI A-117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES WITH VIRGINIA AMMENDMENTS.

AIRPORT CODE: NORFOLK AIRPORT AUTHORITY TENANT GUIDELINES 2025



NOTES

- ALL INSTALLATIONS, MATERIAL, AND EQUIPMENT SHALL COMPLY WITH THE MOST CURRENT NORFOLK INTERNATIONAL AIRPORT TENANT DESIGN STANDARDS MANUAL AT THE TIME THE BUILDING OR WORK PERMIT IS ISSUED.
- UTILITIES OUTAGES REQUIRE 72 HOURS ADVANCE NOTICE TO THE ENGINEERING AND MAINTENANCE DEPT.
- ALL SLAB PENETRATIONS AND CORE DRILLING REQUIRED GROUND PENETRATION RADAR (GPR) TESTS BY A LICENSED TECHNICIAN. TENANT SHALL ENSURE THAT ALL SLAB PENETRATIONS WITHIN TENANT SPACE ARE PROPERLY SEALED AND WATERTIGHT TO PREVENT POSSIBLE WATER LEAKAGE AND/OR DAMAGE.
- SUBMIT DIGITAL/CAD FORMAT AS BUILT DRAWING TO NORFOLK INTERNATIONAL AIRPORT 8 WEEKS AFTER THE STORE IS OPEN.
- ALL LOOSE DEBRIS/TRASH MUST BE REMOVED FROM THE SITE DAILY. NO LOOSE DEBRIS/TRASH SHALL BE LEFT ON ROOF, SPACES OPEN TO THE AIRPORT OPERATIONS AREA, CONVEYANCE OR OPEN TRASH RECEPTACLE AT ANY TIME.
- UNUSED/ABANDONED FLOOR/WALL OPENINGS SHALL BE SEALED OR FIRESTOP.
- INTERIOR FINISHES CLASSIFICATION INDICATED AS PER VCC 2021.
- GC TO PATCH AND REPAIR ANY DAMAGE TO BASE BUILDING WALLS CAUSED DURING CONSTRUCTION AT GC'S EXPENSE. GC SHALL NOT JEOPARDIZE THE INTEGRITY OF THE BASE BUILDING CONSTRUCTION.
- 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.
-
-

OWNER:
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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.

SCOPE OF WORK

INTERIOR TENANT BUILD OUT OF A FOOD AND BEVERAGE SPACE IN NORFOLK INTERNATIONAL AIRPORT. WORK INCLUDES INSTALLING FOOD EQUIPMENT, PARTITIONS, CEILINGS, MILLWORK, AND FINISHES. ALSO INCLUDES ELECTRICAL MECHANICAL AND PLUMBING WORK.

PROJECT DIRECTORY

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SHEET INDEX

Sheet Number	Sheet Name
A0.0	TITLE SHEET
A0.1	GENERAL NOTES AND SPECIFICATIONS
A0.2	GENERAL NOTES AND SPECIFICATIONS
A0.3	GENERAL NOTES AND SPECIFICATIONS
A0.4	CONCOURSE PLAN
A1.0	CONSTRUCTION PLAN & SCHEDULES
A1.1	PARTITION & EXPANSION JOINT COVER TYPES
A2.0	REFLECTED CEILING PLAN & SCHEDULES
A3.0	FFE PLAN & SCHEDULE
A3.1	FINISH PLAN
A3.2	SCHEDULES
A3.3	EGRESS PLAN
A3.4	SIGNAGE & GRAPHICS PLAN
A4.0	ELEVATIONS
A4.1	ELEVATIONS
A4.2	ELEVATIONS - BOH
A5.0	DETAILS - STOREFRONT
A5.1	DETAILS - CEILING
A5.2	DETAILS - BAR SECTIONS
A5.3	DETAILS - SECTIONS
A5.4	DETAILS - MILLWORK (BAR)
A5.5	DETAILS - MILLWORK
A5.6	DETAILS - MILLWORK (BAR)
A5.7	DETAILS - BOH
FS-1	EQUIPMENT PLAN
FS-2	EQUIPMENT PLUMBING ROUGH IN PLAN
FS-3	EQUIPMENT ELECTRICAL ROUGH IN PLAN
FS-4	SPECIAL CONDITIONS PLAN
FS-5	ELEVATIONS
FS-5.1	ELEVATIONS
P0.1	PLUMBING LEGEND, NOTES, AND SPECIFICATIONS
P1.0	PLUMBING SANITARY PLAN
P1.1	PLUMBING POTABLE PLAN
P2.0	PLUMBING DETAILS AND SCHEDULES
P5.0	PLUMBING DETAILS AND SCHEDULES
M0.1	MECHANICAL LEGEND AND NOTES
M0.2	MECHANICAL SPECIFICATIONS
M0.3	MECHANICAL SPECIFICATIONS
M1.0	MECHANICAL CONOURSE PLANS
M1.1	MECHANICA HYDRONICS PLANS
M2.0	MECHANICAL ROOF PLANS
M5.0	MECHANICAL DETAILS
E0.1	ELECTRICAL LEGEND AND NOTES
E0.2	ELECTRICAL SPECIFICATIONS
E0.3	ELECTRICAL SPECIFICATIONS
E1.0	ELECTRICAL PLANS
E1.1	ELECTRICAL LIGHTING PLANS
E2.0	ELECTRICAL ROOF PLANS
E6.1	ELECTRICAL PLANS
FP1.0	FIRE PROTECTION PLAN

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ELECTRICAL
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COMMONWEALTH OF VIRGINIA
SCOTT CHARLES
COSTELLO
Lic. No. 015132
ARCHITECT
3/24/2026

WARRIORS
TAPHOUSE
VA BCH ★ EST. 2015
NORFOLK INTERNATIONAL AIRPORT
2200 NORVIEW AVE
NORFOLK, VA 23518
CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

TITLE SHEET

DOA Permit Number

Project number 2025-059

Date 03/24/2026

Drawn by JR

Checked by KG

A0.0

Scale As indicated

SPECIFICATIONS:

SECTION 01000 - GENERAL REQUIREMENTS:

1. 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.
2. All work to be performed by Contractors licensed to work within the local jurisdiction.
3. Project Meetings: Contractor and related subcontractors shall be required to attend project meetings at the project site when required by the Owner or Architect.
4. Submittals: Required shop drawings to tenant and architect, product data and samples shall be submitted to the Architect for approval. Any moneys spent or work performed without prior approval is done at the Contractors own risk.
 - A. Submit shop drawings architect to RFP format.
 - B. Submit (3) three samples of the full range of required samples.
 - C. Submit (3) three copies of project data.
5. 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
6. 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.
7. 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 the 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.
8. Existing Conditions: Before submitting his proposal, each bidder shall examine all drawings relating to this, to the character of the Work required, and to 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.
9. 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.
10. The Contractor shall maintain temporary facilities and controls as required for the proper and expeditious prosecution of the Work.
11. Forest signs or signs or advertisements will be allowed to be displayed on the premises of the building.
12. 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 materials. Control all air vents and the management of no additional cost to the Owner.
13. Contractor shall provide all temporary protections, lighting and disinfection as required for the execution of the Work.
14. Substitutions: Substitutions of items specified or shown on drawings will not be permitted unless approved in advance by the Architect. 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.
15. 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.
16. Store and protect materials delivered to the site from damage. Do not use damaged materials at the site.
17. Name plates and other identifying markings shall not be affixed on exposed surfaces of manufactured items installed in the finished spaces.
18. Prevent accumulations of waste materials on site during the entire construction period. Remove carts, carrels and other flammable waste materials or trash from the work area each work day.
19. Cans shall be taken by workmen not to mark, soil or otherwise deface finished surfaces. In the event that finished surfaces become defaced, clean and restore such surfaces to their original condition.
20. Clean up immediately upon completion of each work item. Remove work and remove surplus materials and rubbish of every kind from the site. 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.
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 within the building, notify the building management and obtain approval in writing before proceeding with this phase of the Work. For local disconnections within the tenant's lease, provide 72-hour notice to building management. For disconnections to utilities outside the tenant lease, provide 15-day notice to MA.
22. Take necessary precautions to prevent dust from rising. Protect unaltered portions of the existing building affected by the operations under this Section by dustproofed partitions and other means.
23. Immediately clean up all dust and debris related to deliveries or construction which occurs in the Public Corridors or other building areas.
24. 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.
25. The Contractor shall be responsible for any damage to the existing structure or contents by reason of the insufficiency of protection provided.
26. Execute the Work in a careful manner and orderly manner, with the least possible disturbance to the public and to the occupants of the building.
27. 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 the work.
28. Finish new and adjacent existing surfaces as specified for new work. Clean existing surfaces of dirt, grease, loose paint, etc., before refinishing.
29. Provide any temporary protection required to adequately protect the adjoining property, the public and construction personnel. Provide loose coverings. Prevent intrusion to job site by those not permitted.
30. Contractor shall post all applicable building permits in a visible location and have them read for inspection by the proper authorities having jurisdiction.
31. Contractor shall be responsible for any and all traffic violations due to his operation and misuse of streets and sidewalks surrounding the "Area of Work".
32. No alcoholic beverages or smoking will be allowed within the demised premises. Contractor shall be responsible to enforce same on all subcontractors and subordinate subcontractors.
33. "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 and supplement various articles and 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.
34. 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, safely, store, protect, assemble, install and connect such items.
35. Work and Items Supplied By Others - As Noted
36. Report evidence of overstress, deterioration, and damage that is found or that occurs during the Work. Report conditions that cannot be ascertained by ordinary means without design changes. Obtain the Architect's direction before proceeding with affected work.
37. 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.

38. 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 paths. Show dates of Contractor submittals 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 for review copy at each Progress Meeting. Show dates for receipt of Owner design items and services.
39. Schedule of Values: Submit in ample time for review, revision and reimbursement before the first application for payment.
40. 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.
 - H. Keep Record Documents in Contractor's 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 used. Keep record current with construction progress; do not cover up Work until information is recorded.
41. Close-out Submittals - Before applying for final payment, the Contractor shall submit:
 - A. Completion Notice and all Certificates of Inspection and other evidence of compliance with regulatory agency requirements.
 - B. Evidence of payments and release of liens in accord with Conditions of 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.
42. General Contractor shall provide list of all Subcontractors to Owner's Representative and Tenant's Representative.
43. General Contractor shall provide and install Fire Extinguishers as required by Code. Locations to be verified.
44. General Contractor is to turn over the space to the owner in a clean condition which includes dusting, high dusting and general cleaning.

45. 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 that comply with the NAA insurance requirements as stated in the RFP-P275-CCD-01 document.
46. **DIVISION 02: Site Work:**
 1. Refer to the architectural drawings for any notes related to demolition work.
 2. The General Contractor is responsible for obtaining all necessary permits 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 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.) notify 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.
 4. **DIVISION 03: Concrete Work:**
 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 surface to allow for a smooth transition; if floor grinding is not permitted by owner, contact 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 submit 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 engineering 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 hollows, 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.
 47. **DIVISION 04: Masonry:** NOT USED
 48. **DIVISION 05: Metals:**
 1. Refer to the structural drawings for specifications related to structural metal work.
 2. General: Shear and punch metals clearly 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. All exposed surfaces smooth with contour of welded surface matching those adjacent.
 4. Hot-dip galvanize steel fabrications at exterior locations.
 5. Prepare uncotted ferrous metal surfaces to comply with SSPC-SP 3, "Power Tool Cleaning," and paint with a fast-curing, lead- and chromate-free, universal modified-alkyd primer complying with NFPA 79.
 6. Perform cutting, drilling, and fitting required for installing miscellaneous metal fabrications. Set metal fabrications accurately in location, alignment, and elevation, with edges and surfaces level, plumb, true, and free of rack.
 7. Fit exposed connectors 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.

SECTION 06000 - Finish Carpentry:

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 wall studs where fire fixtures or devices are to be mounted. All wood blocking shall be fire resistant.
 - B. All dimensional lumber to be fire retardant with U.L.L. rating "non-combustible."
 - C. All dimensional lumber, blocking and nails to be fire retardant. All finished lumber to be rift-cut Douglas fir fire retardant where necessary. Utility grade boards 1" nominal with ps-20.
 - D. Plywood and MDF plywood for general interior carpentry shall be 3/4" A4 panel trademarked, c-pugged ULL 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.
 - E. Kill dry after treatment to moisture content of 15% maximum.
 - F. Wood shall be seasoned to a 19% moisture content.
 - G. The G.C. shall install blocking as necessary for attachment of all interior trim & fixtures.
3. Finish carpentry, 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. Finish millwork as noted on drawings is specified 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 fastenings is impossible, drill holes uniformly, set and putty heads 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.
 - I. Intumescent coating to be American Fire Coatings, Inc., FC No.156. Apply to untreated wood finishes, following manufacturer's recommendations, must be performed off site, certified slickers shall be required to be placed on all application locations.
 - J. Grommets and access holes: provide 2" black plastic grommets at countertops and tops of the sides of finished faces of millwork at each POS/Cash register location unless otherwise noted. Provide grommets on wall power below counter height for above counter equipment. GC shall coordinate locations with subcontractors and owner's vendors for shop cut grommet holes or be prepared to field cut grommets.

SECTION 064116 - PLASTIC-LAMINATE-CLAD ARCHITECTURAL MILLWORK AND CABINETS:

1. Section includes:
 - A. Plastic-laminate-clad architectural cabinets.
 - B. Plastic-laminate-clad banquetette seating.
 - C. Cabinet hardware and accessories.
 - D. Wood framing, blocking, shims, and hanging strips for installing plastic-laminate-clad architectural cabinets that are not concealed within their construction.
 - E. Retain subpanels below 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, framing, reinforcements, and other related units of Work specified in other Sections to support loads imposed by installed and fully loaded cabinets.
2. Plastic-laminate-clad architectural cabinets:
 - 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.) notify 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.
3. Plastic-laminate-clad architectural cabinets:
 - A. 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 surface to allow for a smooth transition; if floor grinding is not permitted by owner, contact architect.
 - B. 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.
 - C. 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 submit 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 engineering for approval.
 - D. Air entrained concrete shall be used for all concrete exposed to weather, except as noted in the drawings.
 - E. Calcium chloride and/or admixtures containing calcium chloride shall not be included in concrete mix.
 - F. 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.
 - G. 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
 - H. Concrete Floors:
 - A. Concrete floors to be properly prepared without hollows, 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.
4. Plastic-laminate-clad architectural cabinets:
 - A. 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 surface to allow for a smooth transition; if floor grinding is not permitted by owner, contact architect.
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 - A. Concrete floors to be properly prepared without hollows, 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.

5. 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.
6. Sustainable Product Data: For recycled content, indicating producer and presumer recycled content and cost.
7. 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.
8. 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.
9. Environmental Product Declaration (EPD): For each product.
10. Product Data: For adhesives, 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.
11. Shop Drawings: Include plans, elevations, sections, and attachment details.
 - A. Show large-scale details.
 - B. Indicate locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
 - C. Indicate locations and sizes of cutouts and holes for items installed in plastic-laminate architectural cabinets.
12. Samples: For each exposed product and for each color and texture specified, in manufacturer's or manufacturer's standard size.
13. Product Certificates: For:
 - A. High-pressure decorative laminate.
 - B. Adhesives.
14. Evaluation Reports: For fire-retardant-treated materials, from ICC-ES.
15. Manufacturer's Qualifications: Employ skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
16. Do not deliver cabinets until painting and similar finish operations that might damage architectural cabinets have been completed in isolation areas. Store cabinets in isolation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.
17. 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 operations during the remainder of the construction period.
18. 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.
19. Location Conditions: For framing, blocking, and reinforcements that support cabinets by field measurements before being enclosed/concealed by construction, and indicate measurements on Shop Drawings.
20. Established Dimensions: Where cabinets are indicated to fit to other construction, establish dimensions for areas where cabinets are to fit. Provide dimensions for trimming and coordinate construction with existing conditions to establish dimensions.
21. Quality Standard: Unless otherwise indicated, comply with the Architectural Woodwork Standards for grades of cabinets indicated that construction, finishes, installation, and other requirements.
 - A. Architectural Woodwork Standards Grade: Custom. Provide labels and certificates from AIA certification program indicating that woodwork complies with requirements of grades specified.
22. Regional Materials: Where products shall be located 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.
23. Certified: Wood products shall be certified as "FSC Mixed Credit" in accordance with FSC STD-01-001 and FSC STD-04-004.
24. 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.
 - A. Use treated materials that comply with requirements of referenced quality standard. Do not use materials that are warped, discolored, or otherwise defective.
 - B. Use fire-retardant-treated materials that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated materials from untreated materials.
 - C. Identify fire-retardant-treated materials with appropriate classification marking that is qualified testing agency in the form of removable paper label or imprint on material from view after installation.
25. 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 evidence of significant progressive combustion 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 confinement of the burners at any time during the test.
 - A. Kill-dry lumber and plywood after treatment to a maximum moisture content of 19 and 15 percent, respectively.
 - B. For items indicated to receive a stained or natural finish, use organic resin chemical formulation.
 - C. Mill lumber after treatment within limits set for wood removal that do not affect listed fire-test-response characteristics, using a workshopping shop certified by testing and inspecting agency.
 - D. Mill lumber before treatment and implement procedures during treatment and drying processes that prevent lumber from warping and developing distortions from drying cracks or other causes, marring, and other surface defects affecting appearance of architectural cabinets.
26. Fire-Retardant Fiberglass: 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.
27. Provide cabinet hardware and accessory materials associated with architectural cabinets.
 - A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Accuride International
 - b. Blum, Julius & Co., Inc.
 - c. CompX International, Inc.
 - d. Grass America, Inc.
 - e. Hardware Resources.
 - f. Hettich America L.P.
 - g. Knape & Vogt Manufacturing Company.
 - h. Knappe
 - B. Continuous Piano Hinges for Cabinet Doors:
 - A. Semi-concealed Hinges for Flush Doors: ANS/BHMA A156.9, B01361.
 - B. Semi-concealed Hinges for Overlay Doors: ANS/BHMA A156.9, B01351.
 - C. Heavy-Duty Hinges for Overlay Doors: ANS/BHMA A156.9, B0201.
 - D. Adjustable Shelf Standards and Supports: ANS/BHMA A156.9, B01341.
 - E. Adjustable Shelf Standards and Supports: ANS/BHMA A156.9, B04071; with shelf rests.
 - F. Shelf Rests: ANS/BHMA A156.9, B04013; metal.
 - G. Drawer Slides: ANS/BHMA A156.1.
 - H. Heavy-Duty (Grade 1HD-100 and Grade 1HD-200): Side mount.
 - a. Type: Full extension.
 - b. Material: Stainless steel slides.
 - c. Motion Feature: Push to open and Soft close damper.
 - I. Slides for Sliding Glass Doors: ANS/BHMA A156.9, B07063.
 - J. Door Locks: ANS/BHMA A156.11, E07121.
 - K. Drawer Locks: ANS/BHMA A156.11, E07041.
 - L. Door and Drawer Silencers: ANS/BHMA A156.16, L03011.
 - M. Tempered Float Glass for Cabinet Shelves: ASTM C1048, Kind FT, Condition A, Type 1, Class 1 (clear) Quality-Q3; with exposed edges seamed before tempering, 6 mm thick.
 - N. Color: Blue-green.
 - O. Grommets for Cable Passage: 2-inch (51-mm)OD, molded-plastic grommets and matching plastic caps with slot for wire passage.
 - P. Color: Match Countertops.
 - Q. Exposed Hardware Finish: For exposed hardware, provide finish that complies with ANS/BHMA A156.18 for ANS/BHMA finish number indicated.
 - R. Dark, Oxidized, Satin Bronze, Oil Rubbed: ANS/BHMA 613 for bronze base; ANS/BHMA 640 for steel base; match Architect's sample.
 - S. Satin Brass, Blackened, Bright Relieved, Clear Coated: ANS/BHMA 610 for brass base; ANS/BHMA 636 for steel base.
 - T. Satin Chromium Plated: ANS/BHMA 626 for brass or bronze base; ANS/BHMA 632 for steel base.
 - U. Satin Stainless Steel: ANS/BHMA 630.
 - V. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in ANS/BHMA A156.9.

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SCOTT CHARLES COSTELLO
3/24/2026

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No.	Description	Date
100%	SUBMITTAL	03/24/2026

GENERAL NOTES AND SPECIFICATIONS

DOA Permit Number	2025-059
Project number	
Date	03/24/2026
Drawn by	JR
Checked by	KG

A0.1

Scale 12" = 1'-0"

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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	GYPSPUM BOARD		
GC	GENERAL CONTRACTOR		
GL	GLASS, GLAZING		
GWB	GYPSPUM WALL BOARD		
GYP	GYPSPUM		
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:

ELEVATION TAG	
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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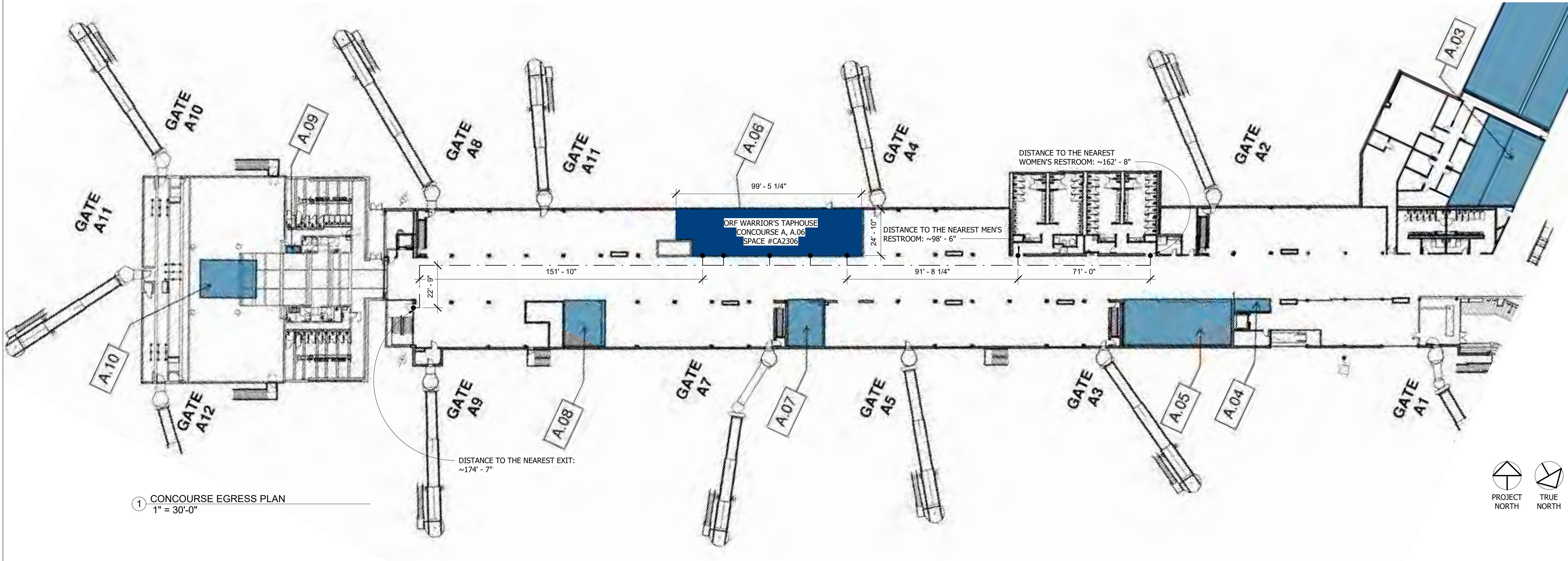
No.	Description	Date
	100% SUBMITTAL	03/24/2026

GENERAL NOTES
AND
SPECIFICATIONS

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JR
Checked by	KG

A0.3

Scale	12" = 1'-0"
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1 CONCOURSE EGRESS PLAN
1" = 30'-0"

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No.	Description	Date
100%	SUBMITTAL	03/24/2026

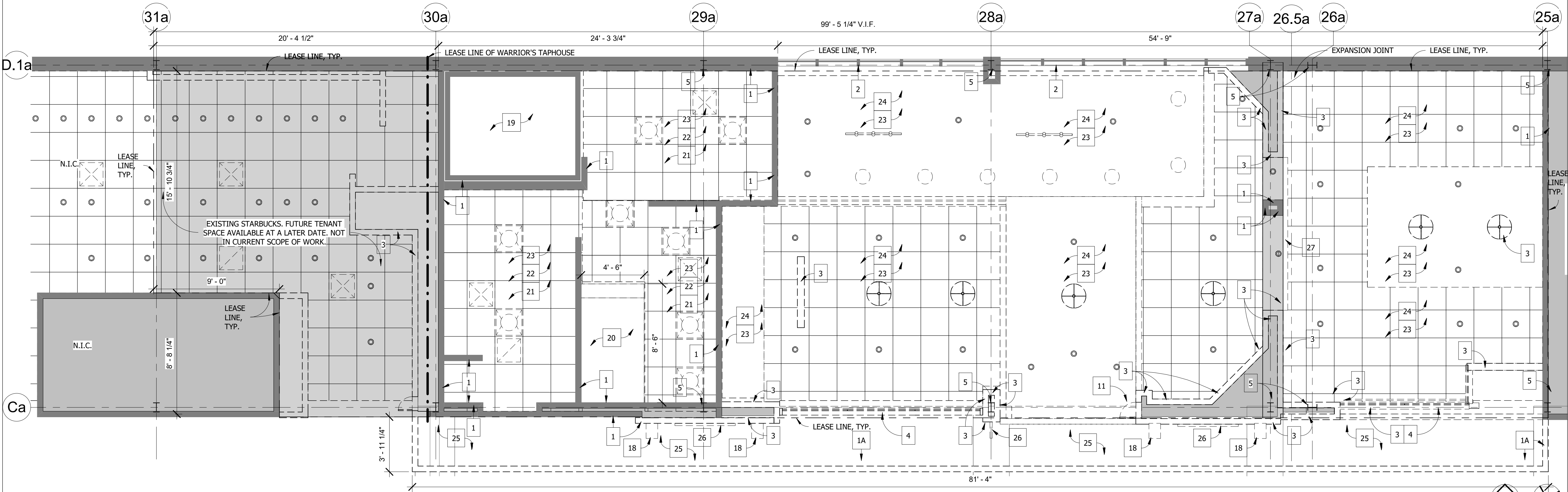
CONCOURSE PLAN

DOA Permit Number
Project number 2025-059
Date 03/24/2026
Drawn by JR
Checked by KG

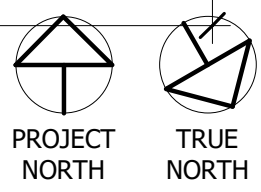
A0.4

Scale 1" = 30'-0"

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



DEMOLITION KEYED NOTES

- EXISTING WALL TO REMAIN. PREPARE TO RECEIVE NEW WALL FINISHES.
- EXISTING AIRPORT GLAZING TO REMAIN. PROTECT FROM DAMAGE. GC RESPONSIBLE FOR ANY REPAIRS DUE TO DAMAGE DURING CONSTRUCTION.
- REMOVE EXISTING WALL AND ASSOCIATED ELEMENTS.
- REMOVE EXISTING GLAZING AND ASSOCIATED ELEMENTS.
- EXISTING COLUMNS TO REMAIN, PROTECT FROM DAMAGE.
- EXISTING FLOOR TILE TO REMAIN. GC TO DEEP CLEAN AND RE-GROUT THE FLOOR. PATCH AND REPAIR DAMAGED TILES AS NECESSARY.
- REMOVE EXISTING FLOOR FINISH. EXISTING FLOOR SLAB TO REMAIN. GC TO ENSURE SLAB IS LEVEL AND CLEAR OF DEBRIS, PREPARE TO RECEIVE NEW FLOOR FINISHES.
- EXISTING BASE BUILDING FLOORING TO REMAIN, PROTECT FROM DAMAGE. GC RESPONSIBLE FOR ANY DAMAGE REPAIRS AT OWN EXPENSE.
- EXISTING DOOR TO REMAIN. GC TO ENSURE DOOR IS FULLY FUNCTIONAL.
- REMOVE EXISTING DOOR.
- REMOVE EXISTING FOLDING SECURITY GRILLE, POCKET DOOR, AND ASSOCIATED ELEMENTS.
- EXISTING ELECTRICAL PANELS TO REMAIN, RE: ELECTRICAL DRAWINGS.
- EXISTING EQUIPMENT TO REMAIN.
- REMOVE EXISTING KITCHEN EQUIPMENT.
- REMOVE EXISTING COUNTERTOP.
- EXISTING EXPANSION JOINT COVER PLATE TO REMAIN. GC TO INSPECT IN FIELD AND NOTIFY ARCHITECT OF ANY CONCERNS.
- REMOVE EXISTING MILLWORK & FURNITURE, TYP.
- REMOVE EXISTING LIGHTING, SECURITY CAMERAS, SPEAKERS, WIRELESS ROUTERS, ETC. AND ACCESSORIES.
- EXISTING WALK-IN COOLER TO REMAIN. REPLACE CONDENSING UNIT & EVAPORATOR COIL.
- EXISTING HOOD TO REMAIN, NEW EXHAUST FAN. RE: MECHANICAL.
- REMOVE EXISTING CEILING TILES AND REPLACE WITH NEW. EXISTING HANGERS AND GRID TO REMAIN.
- REMOVE EXISTING HVAC DIFFUSERS AND REPLACE WITH NEW, RE: MECHANICAL.
- REMOVE EXISTING LIGHTING FIXTURES, CAMERAS, SPEAKERS, WIRELESS ROUTERS, ETC. AND ACCESSORIES, TYP.
- REMOVE EXISTING CEILING AND ASSOCIATED ELEMENTS.
- EXISTING BASE BUILDING CEILING AND LIGHTS TO REMAIN, NOT IN SCOPE.
- EXISTING SIGNAGE TO BE REMOVED, TYP.
- REMOVE EXISTING ROLL-DOWN SECURITY SHUTTER, SUPPORT POST, AND ALL COMPONENTS.

BARRICADE KEY NOTES:

- PRE-FABRICATED TEMPORARY BARRICADE, STARC WALL SYSTEMS OR SIMILAR. TO RECEIVE VINYL GRAPHIC.
- TEMPORARY BARRICADE DOUBLE DOORS, LOCKING, WITH DOOR CLOSE. CONTRACTOR RESPONSIBLE FOR COMPLYING WITH ANY AIRPORT STANDARDS.

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 ELECTRICAL 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. IN ADDITION, IF ANY OTHER SUSPECT MATERIALS ARE ENCOUNTERED WHICH MUST BE IMPACTED TO COMPLETE CONSTRUCTION, WORK MUST IMMEDIATELY CEASE AND THE MATERIALS MUST BE SAMPLED FOR THE PRESENCE OF ASBESTOS AND/OR REMOVED BY A VIRGINIA LICENSED ASBESTOS ABATEMENT CONTRACTOR, IF APPLICABLE. CONFORM TO 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.
- GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF ANY DISCREPANCIES OR HIDDEN CONDITIONS AFFECTING DEMOLITION OR PROPOSED NEW WORK.
- 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.
- 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 UNIVERSAL WASTE SHALL BE MANAGED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
- ALL PROJECT GENERATED WASTE SHALL BE MANAGED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.
- REMOVE ALL TRASH FROM WORK SITE DAILY. BETWEEN THE HOURS OF 10 PM TO 4:30 AM. GC MAY HAVE DUMPSTERS ON SITE, PENDING SPACE AVAILABILITY.
- ALL UNUSED EXISTING FLOOR PENETRATIONS MUST BE COMPLETELY FILLED AND PATCHED.
- AN AIR FILTER MUST BE INSTALLED ON THE RETURN AIR GRILL DURING DEMOLITION AND CONSTRUCTION. IT SHOULD BE CHECKED ROUTINELY AND REPLACED WHEN NEEDED.
- ALL PAINTED SURFACES ARE ASSUMED TO CONTAIN LEAD. THE CONTRACTOR SHALL CONDUCT WORK ACTIVITIES IN A MANNER WHICH COMPLIES WITH OSHA TITLE 29, SECTION 1926.62, LEAD IN CONSTRUCTION, 1910.1025, LEAD EXPOSURE, AND 1910.134, RESPIRATORY PROTECTION.

WALL LEGEND

- EXISTING WALL
- NEW WALL
- DEMOLISHED WALL
- LEASE LINE

GENERAL NOTE:

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

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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02/23/2026

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2200 NORVIEW AVE
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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	ISSUED FOR DEMOLITION PERMIT	02/23/2026

DEMOLITION REFLECTED CEILING PLAN

DOA Permit Number

Project number 2025-059

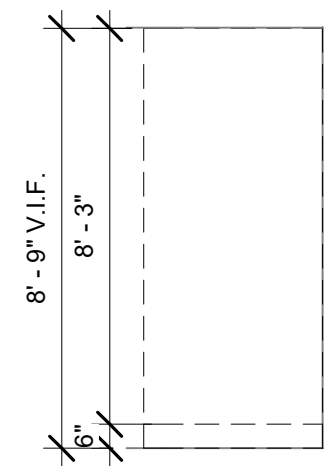
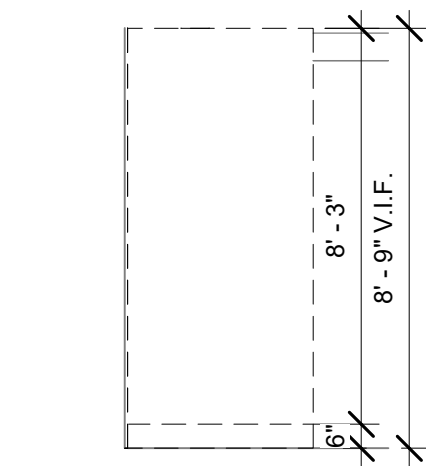
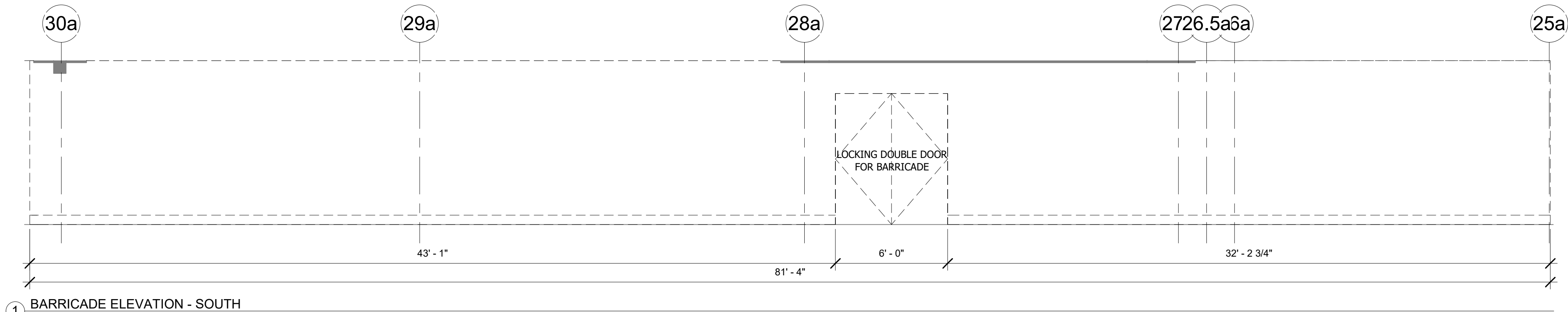
Date 02/23/2026

Drawn by JR

Checked by KG

A0.5

Scale As indicated



NOTE:
PRE-FABRICATED BARRICADE SYSTEM, STARC WALL SYSTEM OR SIMILAR, COORDINATE WITH OWNER.

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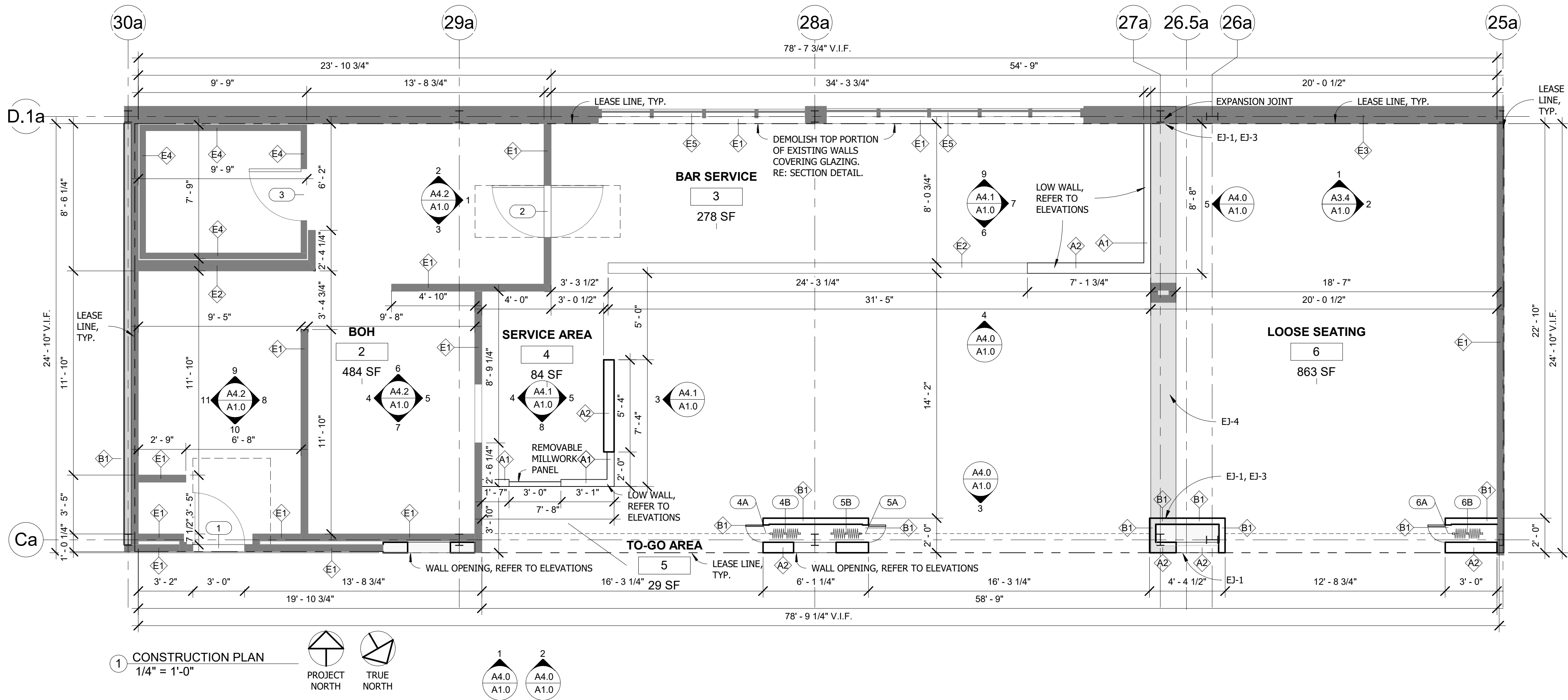
No.	Description	Date
	ISSUED FOR DEMOLITION PERMIT	02/23/2026

BARRICADE ELEVATIONS

DOA Permit Number	
Project number	2025-059
Date	02/23/2026
Drawn by	JR
Checked by	KG

A0.6

Scale 1/4" = 1'-0"



DOOR SCHEDULE													
Door Number	Location	Description	Manufacturer	Model	Door				Frame Finish	Hardware	Comments	Furnished	Installed
					Width	Height	Thickness	Finish					
1	STOREFRONT	SINGLE SWING DOOR LOCKING	STEELCRAFT	L-SERIES (OR SIMILAR)	3' - 0"	7' - 0"	1 3/8"	STAINLESS STEEL	STAINLESS STEEL	SET A	BOH DOOR FROM CONCOURSE	GC	GC
2	BOH	DOUBLE SWING DOOR	EXISTING	EXISTING	3' - 0"	7' - 0"	1 3/8"	EXISTING	EXISTING	EXISTING	BOH DOOR FROM SERVICE AREA	EXISTING	EXISTING
3	BOH	COOLER DOOR	EXISTING	EXISTING	3' - 0"	6' - 8"	2"	EXISTING	EXISTING	EXISTING	EXISTING DOOR TO BOH, GC TO CLEAN AND ENSURE FUNCTIONAL.	EXISTING	EXISTING
4A	STOREFRONT	SECURITY GRILLE POCKET DOOR	CUSTOM	CUSTOM	1' - 0"	7' - 11"	1"	MT-6	N/A	SET B	SECURITY GRILLE POCKET DOOR	GC	GC
4B	STOREFRONT	FOLDING SECURITY GRILLE	MOBILFLEX	S-126	16' - 3 1/4"	7' - 11"	5/8"	ANODIZED ALUMINUM	ANODIZED ALUMINUM	SET C	INSTALL PER MFR. RECOMMENDATIONS.	GC	GC
5A	STOREFRONT	SECURITY GRILLE POCKET DOOR	CUSTOM	CUSTOM	1' - 0"	7' - 11"	1"	MT-6	N/A	SET B	SECURITY GRILLE POCKET DOOR	GC	GC
5B	STOREFRONT	FOLDING SECURITY GRILLE	MOBILFLEX	S-126	16' - 3 1/4"	7' - 11"	5/8"	ANODIZED ALUMINUM	ANODIZED ALUMINUM	SET C	INSTALL PER MFR. RECOMMENDATIONS.	GC	GC
6A	STOREFRONT	SECURITY GRILLE POCKET DOOR	CUSTOM	CUSTOM	1' - 0"	7' - 11"	1"	MT-6	N/A	SET B	SECURITY GRILLE POCKET DOOR	GC	GC
6B	STOREFRONT	FOLDING SECURITY GRILLE	MOBILFLEX	S-126	16' - 3 1/4"	7' - 11"	5/8"	ANODIZED ALUMINUM	ANODIZED ALUMINUM	SET C	INSTALL PER MFR. RECOMMENDATIONS.	GC	GC

DOOR HARDWARE SET A - SINGLE SWING DOOR

- 1 1/2" PR. HINGES = BB1168 4-1/2" X 4-1/2" HAGAR
- LOCKSET BEST 7 PIN INTERCHANGEABLE
- MATCH BUILDING LEVER HARDWARE AND FINISH FOR DOORS ON THE CONCOURSE (BE 45H-7D15H 630), KEYED ENTRY
- 3 SILENCES GLYNN JOHNSON
- OVERHEAD CLOSER - LCN 4041 SERIES, MOUNTED ON KITCHEN SIDE
- STAINLESS STEEL KICK PLATES BOTH SIDES

DOOR HARDWARE SET B - FOLDING GRILLE POCKET DOOR

- 1 CONTINUOUS PIANO HINGE
- 1 RECESSED PULL RING - IVES 426 B
- 1 MAGNETIC LATCH - IVES 325 A

DOOR HARDWARE SET C - FOLDING SECURITY GRILLE

- PROVIDE INTERMEDIATE POST PER MFR
- KEYED ACCESS EXTERIOR/THUMB TURN INTERIOR
- LEAD POST WITH TOP & BOTTOM SHOOTBOLTS & HOOK BOLT CYLINDER LOCK
- DUST PROOF STRIKE AT POST - FLUSH BOLT LOCATIONS
- PROVIDE NOTICE: "GRILLE MUST BE OPEN DURING OPERATION"

GENERAL WALL TYPE NOTE:

PROVIDE PONY WALL POSTS, CLARK-DIETRICH PONY WALL HEAVY (OR SIMILAR), AT PARTIAL HEIGHT WALLS WHERE FOOT TRAFFIC IS ON ONE OR BOTH SIDES OF THE WALL. POSTS TO BE LOCATED AT ENDS AND MIDDLE OF PARTIAL HEIGHT WALLS. POSTS ARE NOT NECESSARY AT CORNERS OR IN WALLS BEHIND BUILT-IN FEATURES LIKE BUILT-IN SEATING OR BANQUETTES.

WALL LEGEND

- EXISTING WALL
- NEW WALL
- DEMOLISHED WALL
- LEASE LINE

EJ-# EXPANSION JOINT KEY:

- EJ-1 INPRO 300-A07 WALL/WALL
- EJ-2 INPRO 430-A01 FLOOR/FLOOR
- EJ-3 INPRO 430-A01 FLOOR/WALL
- EJ-4 INPRO 112-A09 WALL/CORNER WALL/CEILING

GENERAL NOTE:

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

IMPORTANT BID NOTE:

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3/24/2026



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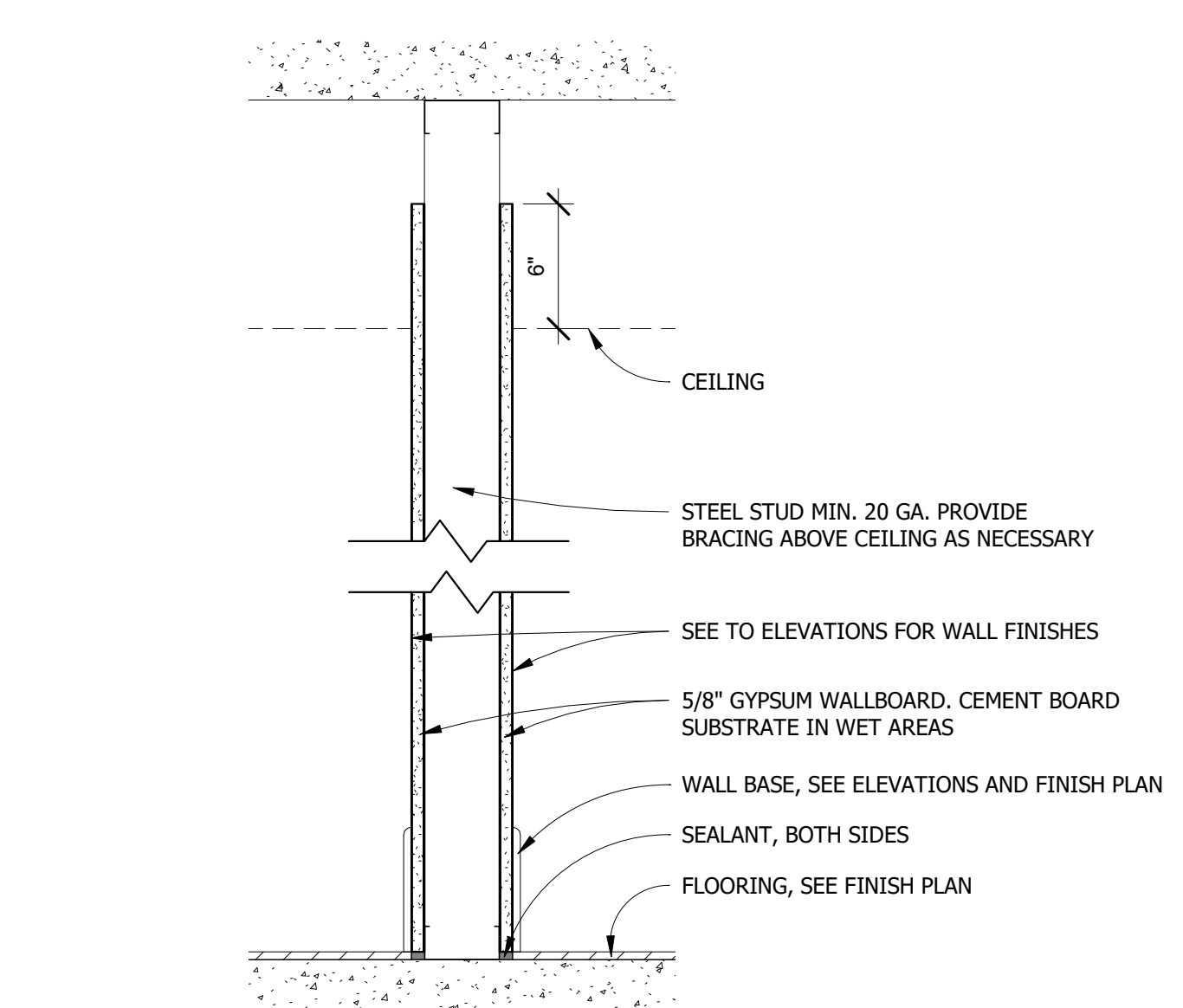
No.	Description	Date
100%	SUBMITTAL	03/24/2026

CONSTRUCTION PLAN & SCHEDULES

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JR
Checked by	KG

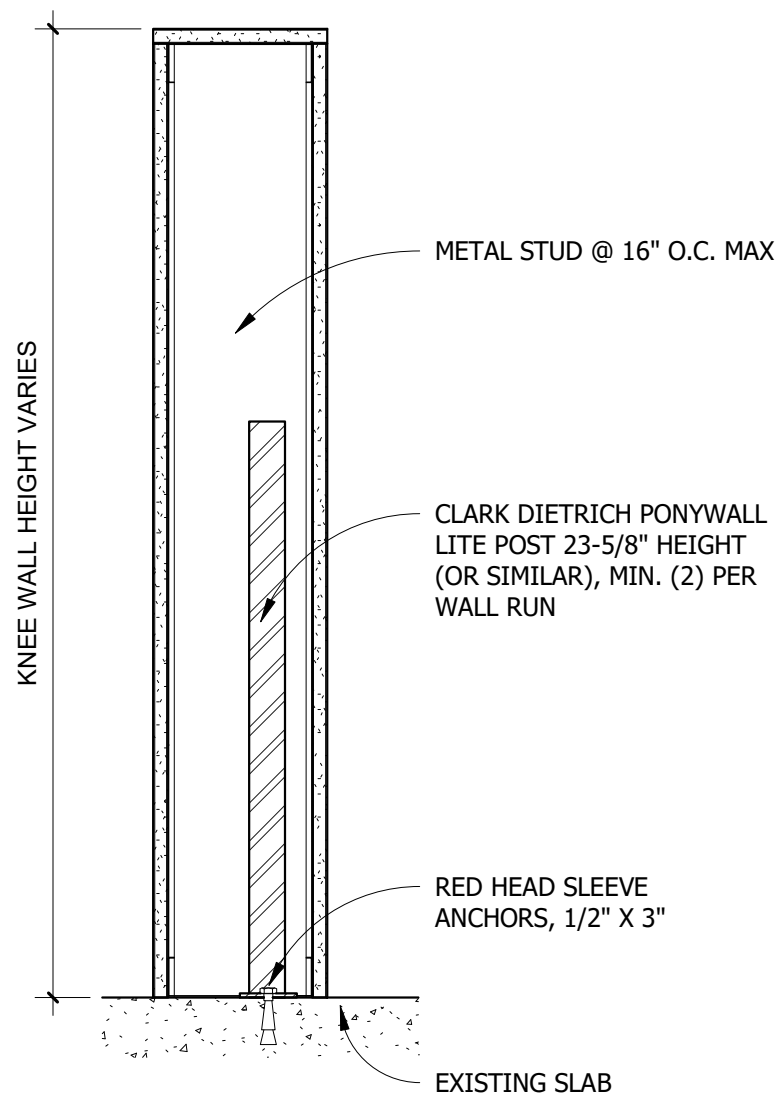
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Scale 1/4" = 1'-0"

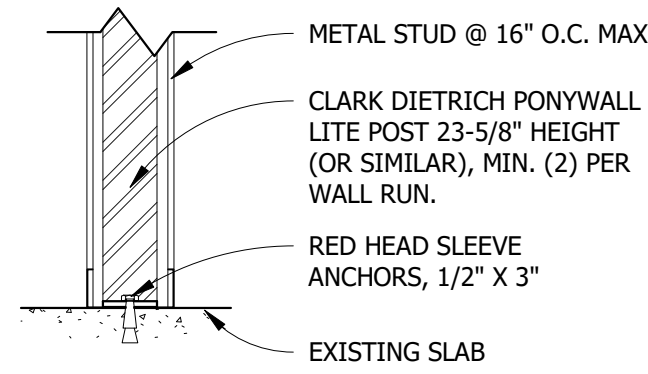


WALL TYPE	WALL THICKNESS	STUD SIZE	INSULATION THICKNESS	STUD SPACING	FIRE RATING/UL DESIGN	STC RATING
A1	4 7/8"	3 5/8"	-	16" O.C.	-	-
A2	7 1/4"	6"	-	16" O.C.	-	-

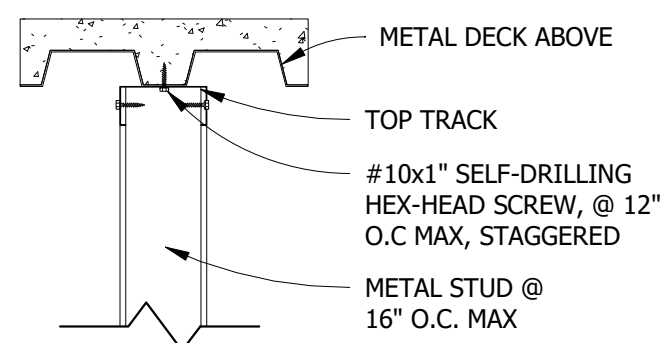
A PARTITION TYPE A
1 1/2" = 1'-0"



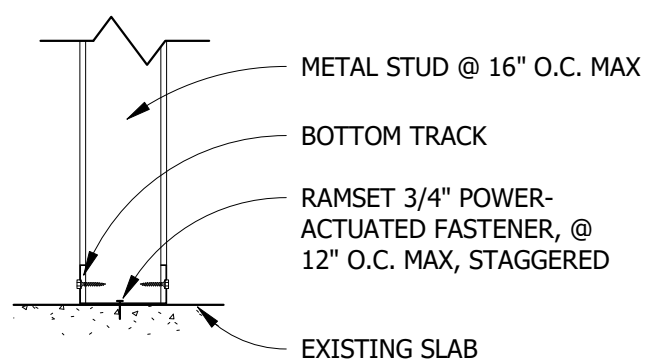
1 PONYWALL POST, TYP. KNEE WALL
1 1/2" = 1'-0"



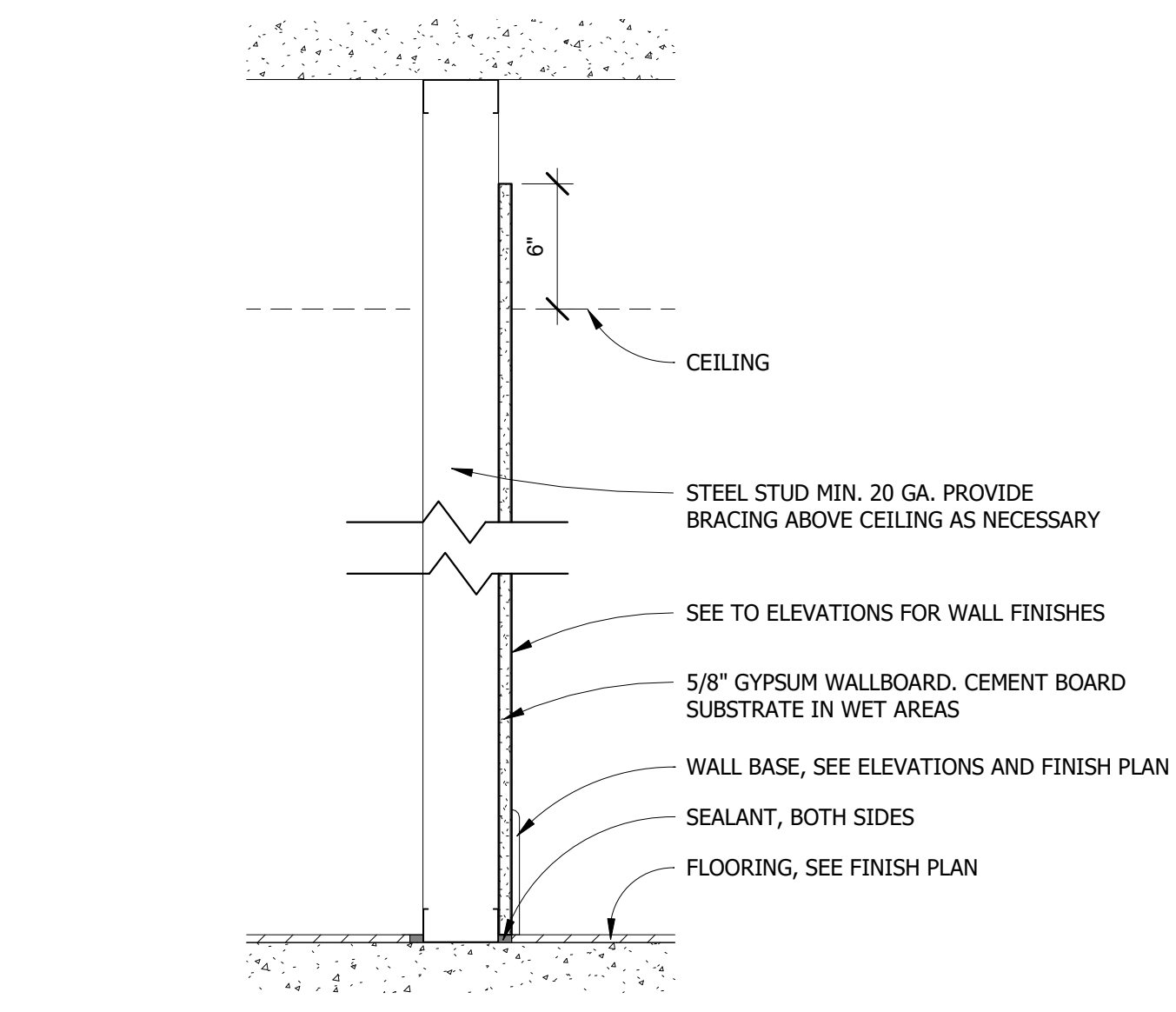
2 PONY WALL POST DETAIL
1 1/2" = 1'-0"



3 WALL TOP TRACK, TYP.
1 1/2" = 1'-0"

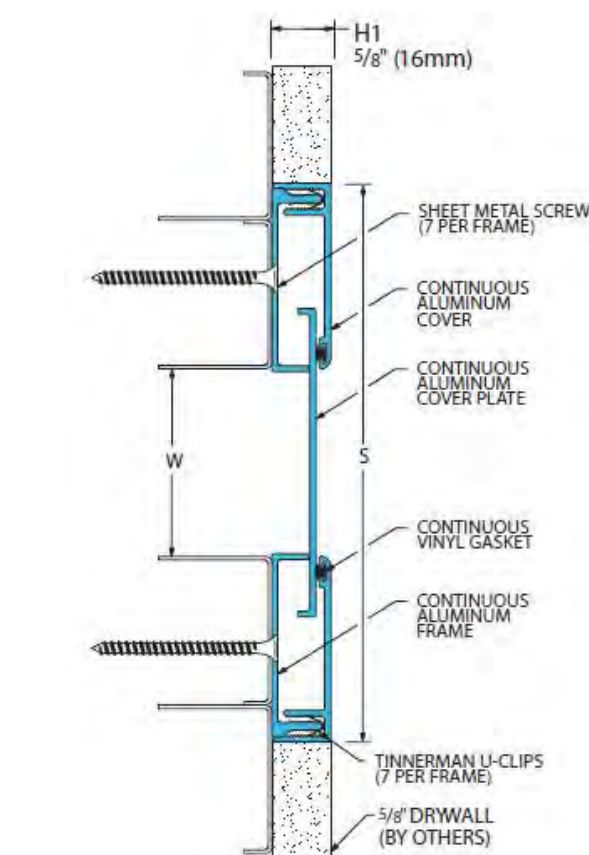


4 WALL BOTTOM TRACK, TYP.
1 1/2" = 1'-0"

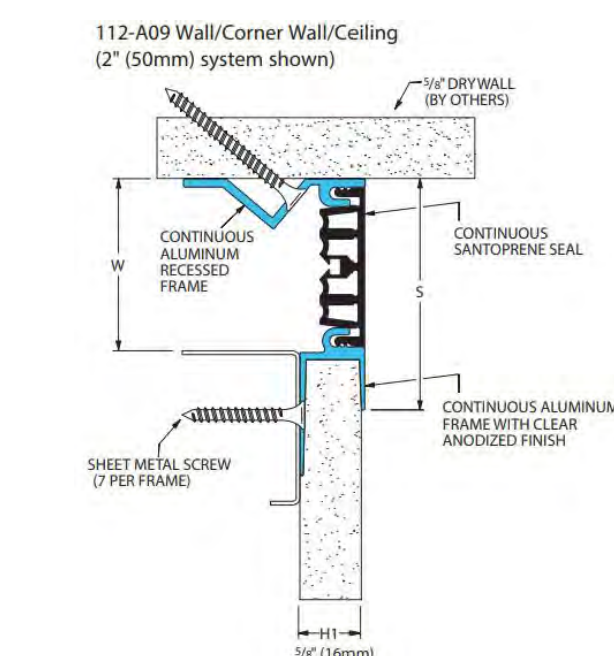


WALL TYPE	WALL THICKNESS	STUD SIZE	INSULATION THICKNESS	STUD SPACING	FIRE RATING/UL DESIGN	STC RATING
B1	4 1/4"	3 5/8"	-	16" O.C.	-	-
B2	2 1/4"	1 5/8"	-	16" O.C.	-	-

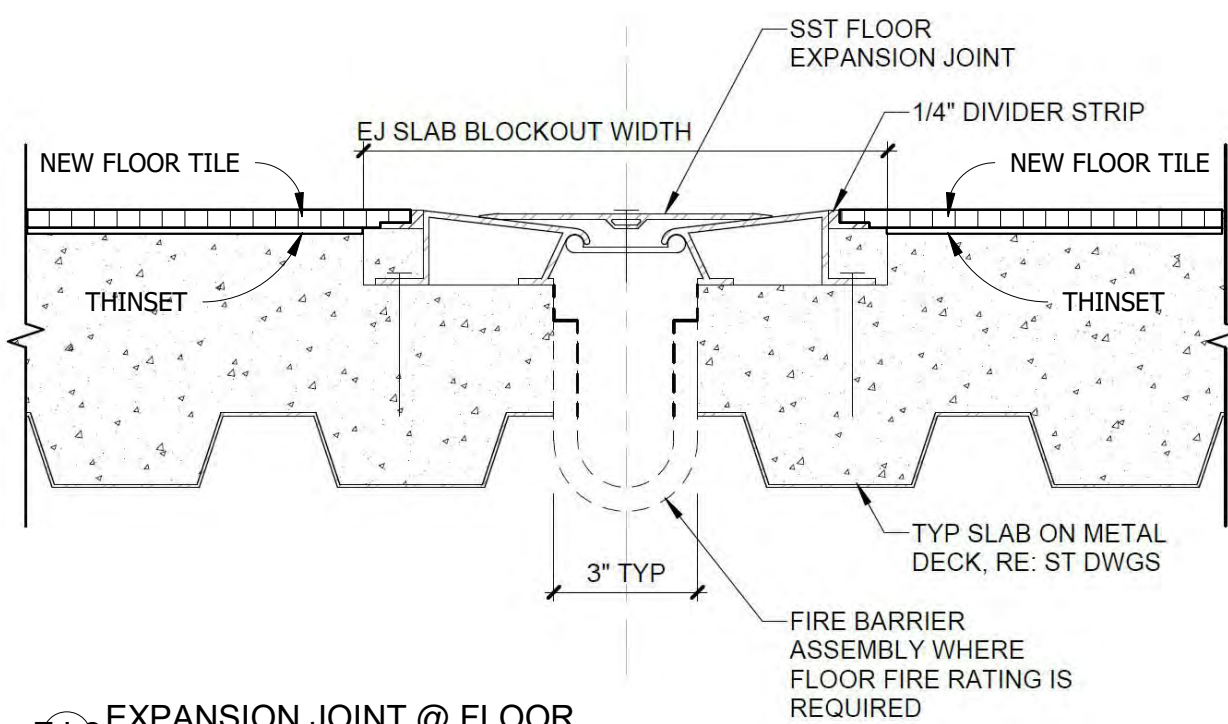
B PARTITION TYPE B
1 1/2" = 1'-0"



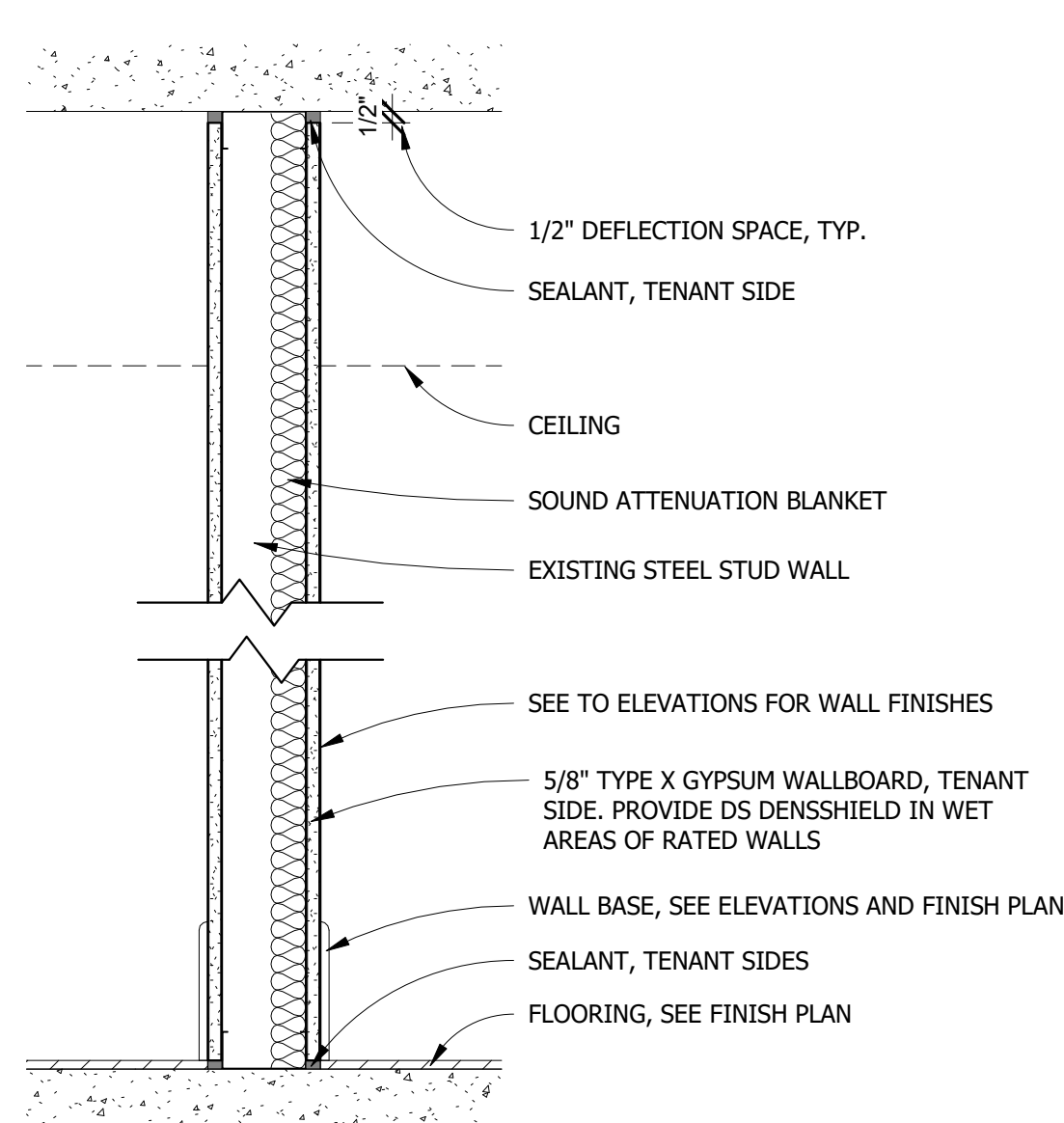
EJ-1 300-A07 WALL/WALL EXPANSION JOINT
6" = 1'-0"



EJ-4 EXPANSION JOINT AT CEILING
6" = 1'-0"



EJ-2 EXPANSION JOINT @ FLOOR
3" = 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
E3	12"	10"	VIF	16" O.C.	VIF	VIF
E4	4"	3 5/8"	VIF	16" O.C.	VIF	VIF
E5	GLAZING	GLAZING	VIF	NA	VIF	VIF

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

SEALING PENETRATION (2-HR) DETAIL

NOTE: ALUMINUM CONDUIT TUBING IS TO BE .060" THICK

WALL LEGEND

	EXISTING WALL
	NEW WALL
	DEMOLISHED WALL
	LEASE LINE

GENERAL WALL TYPE NOTE:
PROVIDE PONY WALL POSTS, CLARK-DIETRICH PONY WALL HEAVY (OR SIMILAR), AT PARTIAL HEIGHT WALLS WHERE FOOT TRAFFIC IS ON ONE OR BOTH SIDES OF THE WALL. POSTS TO BE LOCATED AT ENDS AND MIDDLE OF PARTIAL HEIGHT WALLS. POSTS ARE NOT NECESSARY AT CORNERS OR IN WALLS BEHIND BUILT-IN FEATURES LIKE BUILT-IN SEATING OR BANQUETTES.

EJ-#	EXPANSION JOINT KEY:
EJ-1	INPRO 300-A07 WALL/WALL
EJ-2	INPRO 430-A01 FLOOR/FLOOR
EJ-3	INPRO 430-A01 FLOOR/WALL
EJ-4	INPRO 112-A09 WALL/CORNER WALL/CEILING

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 AND MILLWORK.

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3/24/2026

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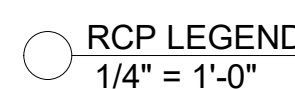
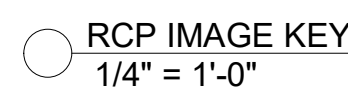
No.	Description	Date
	100% SUBMITTAL	03/24/2026

PARTITION & EXPANSION JOINT COVER TYPES

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JR
Checked by	KG

A1.1

Scale As indicated



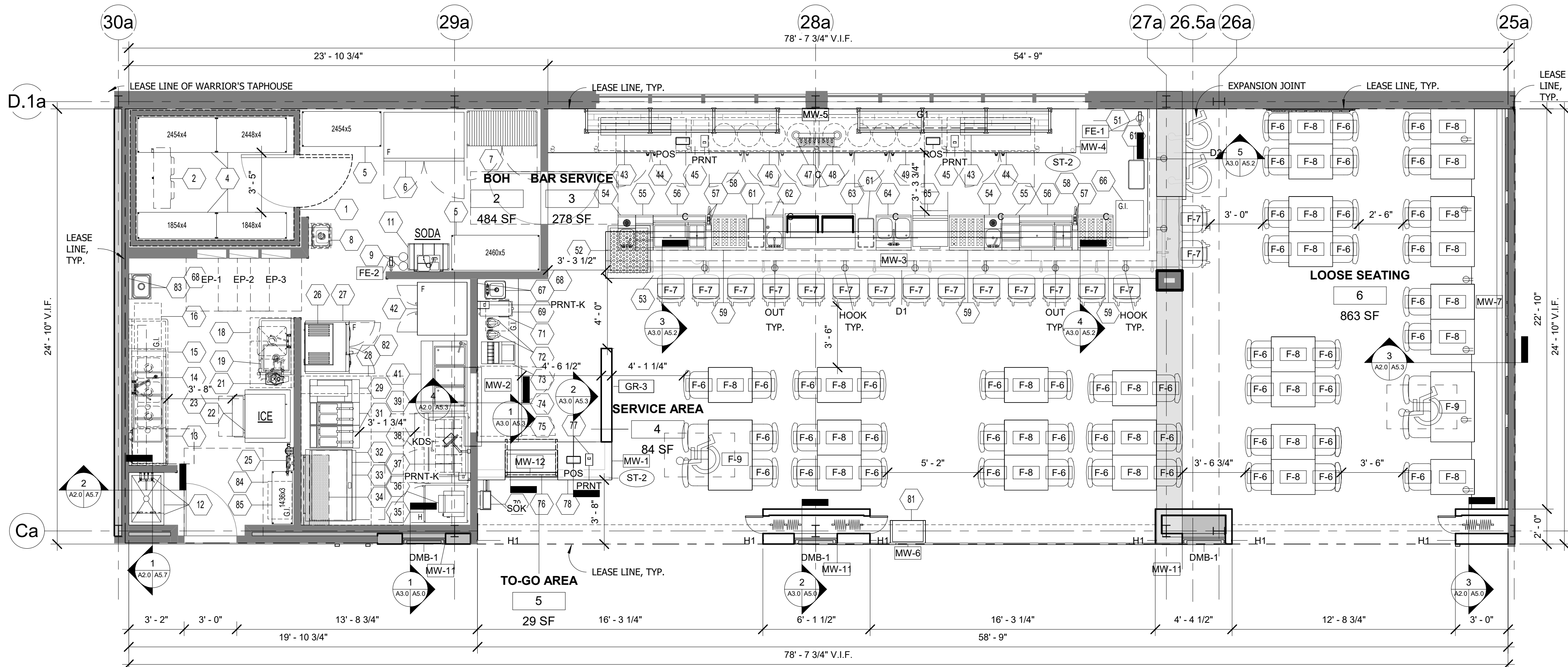
EJ-#	<u>EXPANSION JOINT KEY:</u>
EJ-1	INPRO 300-A07 WALL/WALL.
EJ-2	INPRO 430-A01 FLOOR/FLOOR
EJ-3	INPRO 430-A01 FLOOR/WALL
EJ-4	INPRO 112-A09 WALL/CORNER WALL/CEILING

GENERAL NOTE:

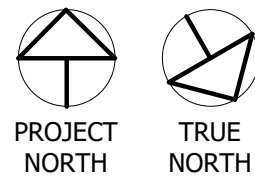
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- 2) FIRE RATED WOOD IS REQUIRED FOR ALL BLOCKING AND MILLWORK.

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



MISCELLANEOUS EQUIPMENT SCHEDULE					
Mark	Description	Count	Manufacturer	Model	Comments
CCTV	SECURITY CAMERA	10	TBD	TBD, CEILING MOUNTED	LOCATED THROUGHOUT, CEILING
DATA	DATA BOX	1	TRIPP-LITE	TBD	LOCATED IN BOH, MOUNTED TO WALL ABOVE ELECTRICAL PANELS.
DMB-1	DIGITAL MENU BOARD	3	SAMSUNG	TBD	AT STOREFRONT
EP-1	ELECTRICAL PANEL	1	EXISTING	SEE MEP DRAWINGS	EXISTING TO REMAIN, LOCATED IN BOH.
EP-2	ELECTRICAL PANEL	1	EXISTING	SEE MEP DRAWINGS	EXISTING TO REMAIN, LOCATED IN BOH.
EP-3	ELECTRICAL PANEL	1	EXISTING	SEE MEP DRAWINGS	EXISTING TO REMAIN, LOCATED IN BOH.
FE-1	FIRE EXTINGUISHER	1	TBD	TYPE ABC	LOCATED AT FOH SERVICE COUNTER & BAR, VERIFY LOCATION WITH LOCAL INSPECTOR
FE-2	FIRE EXTINGUISHER	1	TBD	TYPE K	LOCATED AT BOH, VERIFY LOCATION WITH LOCAL INSPECTOR
HOOK	PURSE HOOK	8	SUGASTONE	HK-FH50-BL, FINISH: BLACK	LOCATED AT THE BAR SEATING
KDS	KITCHEN DISPLAY SCREEN	1	REVEL SYSTEMS	IC-215P-AA2 MICROTOUCH (KDS) WITH VESA MOUNT (KDS)	LOCATED IN BOH AND FOH PASS-THRU SHELF.
OUT	RECESSED DUAL USB OUTLET	15	LEVITON	RADIANT 3.1A USB OUTLET, TYPE A/C, 15A, TAMPER RESISTANT, BLACK R26USBCB	LOCATED AT THE BAR & BANQUETTES
POS	POINT OF SALE	3	REVEL SYSTEMS	TBD	LOCATED THROUGHOUT FOH
PRNT	POINT OF SALE	3	REVEL SYSTEMS	EPSON TM-L90 PLUS LFC LINER FREE COMPATIBLE RECEIPT PRINTER	LOCATED ADJACENT TO POS
PRNT-K	PRINTER - KITCHEN	2	REVEL SYSTEMS	EPSON TM-U220	LOCATED ADJACENT TO POS
RAIL	FOOT RAIL	1	KEGWORKS	90 DEGREE POST BRACKET, COLOR: BLACK, FLAT END CAP, AND ALL NECESSARY ACCESSORIES	LOCATED AT BAR
SOK	SELF ORDER KIOSK	1	TBD	TBD	LOCATED AT TO-GO AREA
SPKR	SPEAKER	4	TBD	TBD, CEILING MOUNTED	LOCATED AT FOH CEILING
TV-1	DIGITAL TV SCREEN	6	SAMSUNG	TBD	LOCATED AT BAR, TO GO, AND DINING ROOM
WAP	WIRELESS ACCESS POINT	2	REVEL SYSTEMS	MERAKI Z3, REFER TO MEP DRAWINGS	LOCATED ON CEILING THROUGHOUT, REFER TO REFLECTED CEILING PLAN
WH	WATER HEATER	1	TBD	TBD, REFER TO MEP DRAWINGS	LOCATED BOH, ABOVE MOP SINK

FURNITURE SCHEDULE					
Mark	Description	Count	Manufacturer	Model	Comments
F-6	DINING CHAIR	53	CONTRACT FURNITURE	PESARO SIDE CHAIR, NAVY UPHOLSTERY (DOUGLASS)	LOCATED IN DINING AREA
F-7	BARSTOOL	16	CONTRACT FURNITURE	PESARO BARSTOOL, BLACK UPHOLSTERY (DOUGLASS)	LOCATED AT BAR
F-8	DINING TABLE	25	CUSTOM BY BRAND	CUSTOM BY BRAND/OWNER, BLACK TABLE BASES, SATIN FINISH	LOCATED IN DINING AREA
F-9	ADA DINING TABLE	2	CUSTOM BY BRAND	CUSTOM BY BRAND/OWNER, BLACK TABLE BASES, SATIN FINISH	LOCATED IN DINING AREA

MILLWORK SCHEDULE					
Mark	Description	Count	Manufacturer	Model	Comments
MW-1	TO-GO COUNTER	1	CUSTOM	CUSTOM, FINISH: ST-2	LOCATED AT TO-GO AREA
MW-2	EXPO / SERVER STATION	1	CUSTOM	CUSTOM, FINISH: ST-2, MT-2, MT-1	LOCATED AT TO-GO AREA
MW-3	BAR COUNTER	1	CUSTOM	CUSTOM, FINISH: ST-1	LOCATED AT BAR
MW-4	BACK BAR COUNTER	1	CUSTOM	CUSTOM, FINISH: ST-1	LOCATED AT BAR SERVICE AREA
MW-5	BACK BAR SHELVING	1	CUSTOM	CUSTOM, FINISH: MT-4	LOCATED ABOVE BACK BAR COUNTER
MW-6	HOST STAND	1	CUSTOM	CUSTOM, FINISH: ST-2, MT-2, T-11	LOCATED AT ENTRANCE
MW-7	BANQUETTE 2	1	CUSTOM	WD-1 CAP, FB-6 BANQUETTE BACK, FB-5 BANQUETTE SEAT, MT-2 BASES	DINING AREA
MW-8	FAUX MILLWORK BEAMS	1	MICROLITE	10" X 6" FAUX MILLWORK BEAMS, FINISHED WITH PL-1, LENGTH: 22' - 10"	CEILING ELEMENT OVER BANQUETTE
MW-9	FAUX MILLWORK BEAMS	5	MICROLITE	10" X 6" FAUX MILLWORK BEAMS, FINISHED WITH PL-1, LENGTH: 18'	CEILING ELEMENT OVER BANQUETTE
MW-10	BAR CANOPY	1	CUSTOM	CUSTOM, FINISH: MT-4	LOCATED ABOVE BAR COUNTER
MW-11	DMB SHROUD	3	CUSTOM	CUSTOM, FINISH: MT-2	LOCATED AT STOREFRONT
MW-12	REMOVABLE MILLWORK PANEL	1	CUSTOM	CUSTOM, REFER TO ARCHITECTURAL ELEVATIONS	LOCATED AT TO-GO COUNTER

WALL LEGEND

- EXISTING WALL
- NEW WALL
- DEMOLISHED WALL
- LEASE LINE

KMDI/MICROLITE CONTACT:
JACOB WALTERS
JAKE.WALTERS@KMDI.NET
P: (913) 281-5496

MICROLITE FINISH:
BELBIEN (EM-4220 NAVY) HAIRLINE

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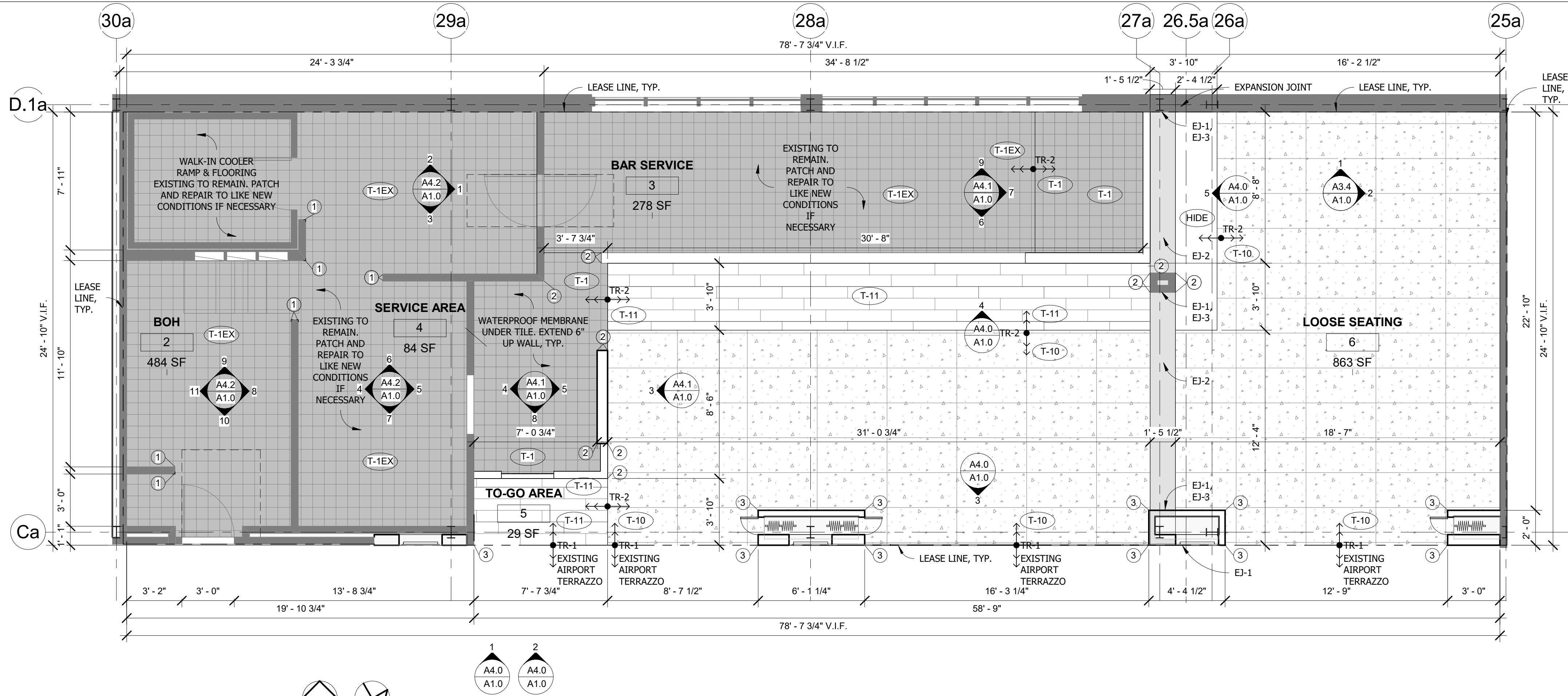
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COMMONWEALTH OF VIRGINIA
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3/24/2026

WARRIORS
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CONCOURSE A, A.06, SPACE #CA2306

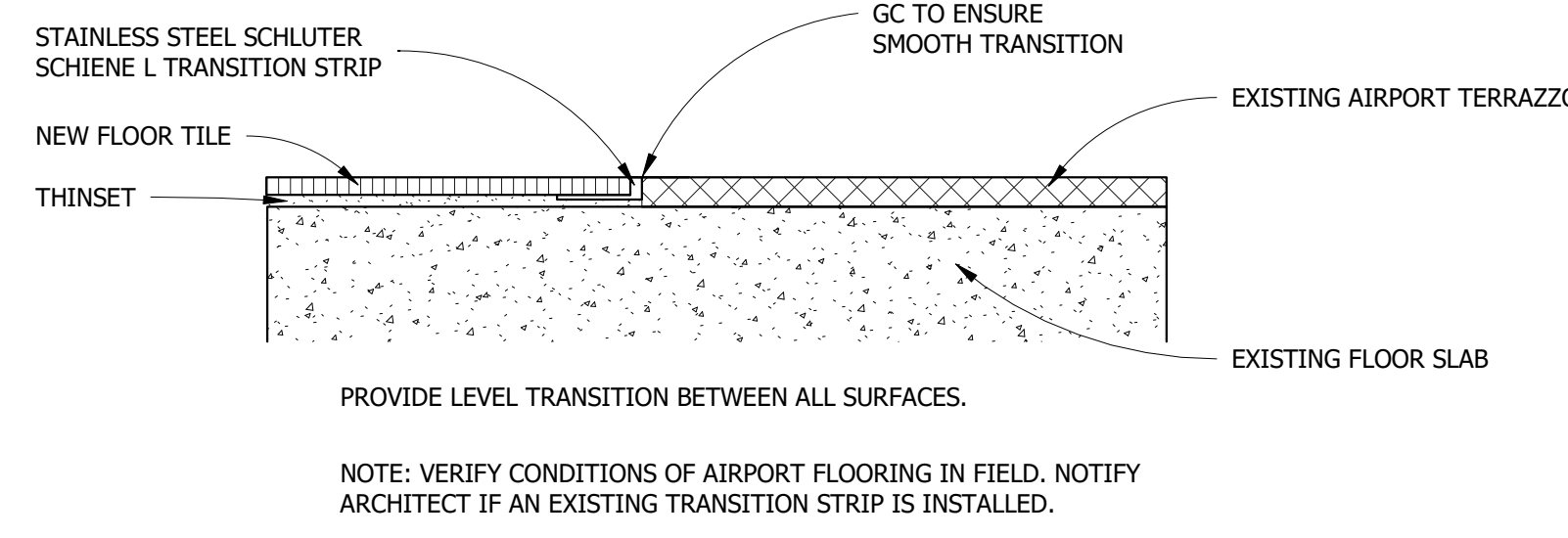
No.	Description	Date
100%	SUBMITTAL	03/24/2026

FFE PLAN &
SCHEDULE
DOA Permit Number
Project number 2025-059
Date 03/24/2026
Drawn by JR
Checked by KG
A3.0
Scale 1/4" = 1'-0"

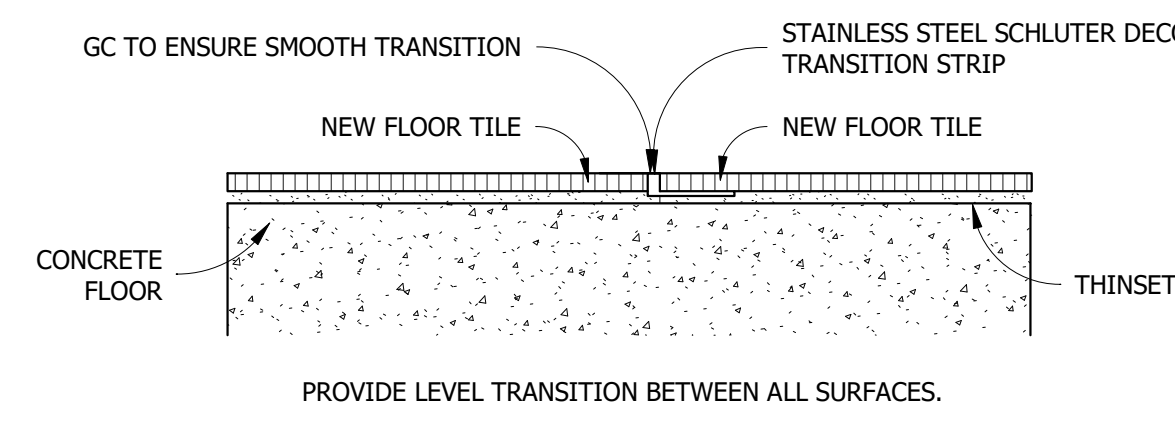


1 FINISH PLAN
1/4" = 1'-0"

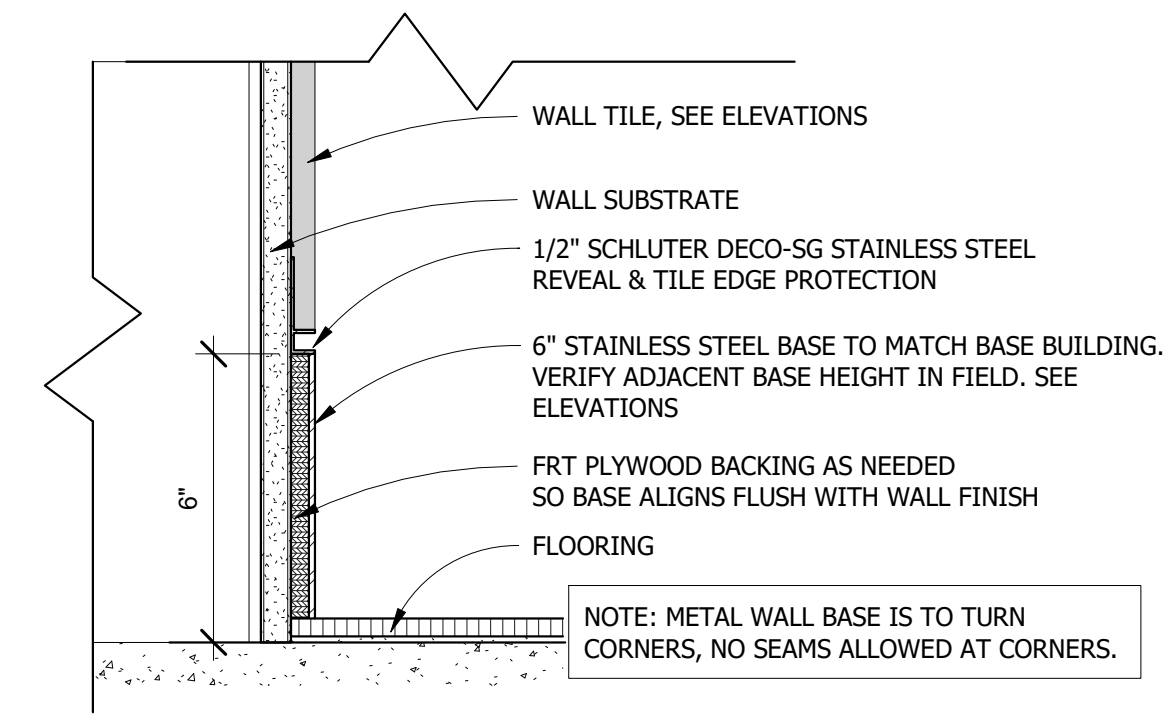
PROJECT NORTH
TRUE NORTH



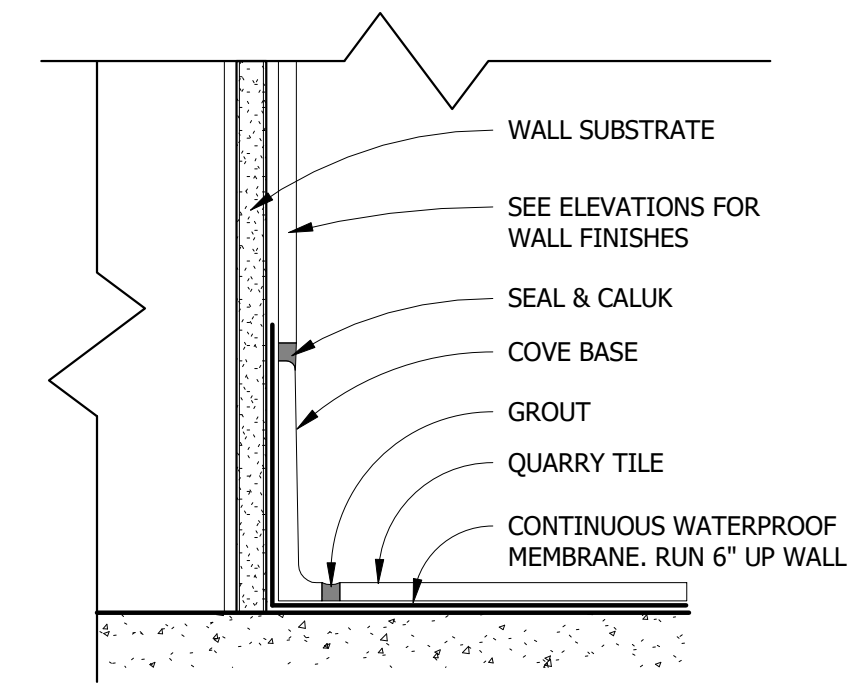
TR-1 TRANSITION - TILE TO TERRAZZO
3" = 1'-0"



TR-2 TRANSITION - TILE TO TILE
3" = 1'-0"



4 METAL WALL BASE
3" = 1'-0"



5 QUARRY TILE BASE DETAIL
3" = 1'-0"

WALL LEGEND

EXISTING WALL

NEW WALL

DEMOLISHED WALL

LEASE LINE

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EJ-2	INPRO 430-A01 FLOOR/FLOOR
EJ-3	INPRO 430-A01 FLOOR/WALL
EJ-4	INPRO 112-A09 WALL/CORNER WALL/CEILING

#	CORNER GUARD KEY:
1	1 1/2" X 1 1/2" STAINLESS STEEL CORNER GUARD, 48" AFF.
2	SCHULTER JOLLY, STAINLESS STEEL, TO FULL HEIGHT OF EDGE, TYP.
3	SCHULTER JOLLY, BRIGHT BLACK ANODIZED, TO FULL HEIGHT OF EDGE, TYP.

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

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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

FINISH PLAN

DOA Permit Number
Project number
Date
Drawn by
Checked by

2025-059
03/24/2026
JR
KG

A3.1

Scale
As indicated

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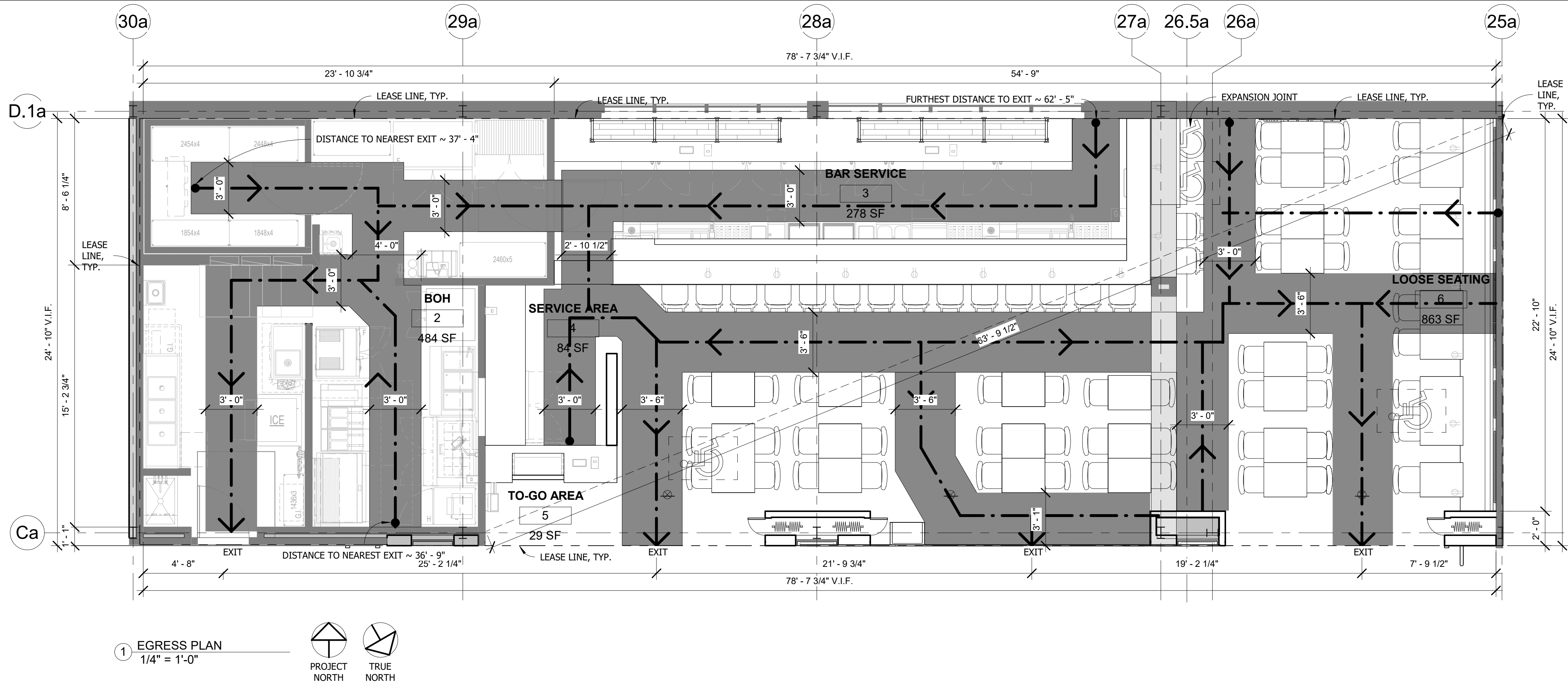
KITCHEN EQUIPMENT SCHEDULE	
Item No	Equipment Category
1	WALK-IN COOLER (EXISTING / REMAIN)
2	COOLER EVAPORATOR COIL
3	COOLER CONDENSING UNIT
4	STORAGE SHELVING
5	STORAGE SHELVING
6	REACH-IN FREEZER
7	SECURITY UNIT
8	HAND SINK (EXISTING / REMAIN)
9	CO2 TANK (BY VENDOR)
10	SPARE NUMBER
11	SODA SYSTEM (BY VENDOR)
12	MOP SINK W/ FAUCET & MOP RACK
13	U/C DISHWASHING MACHINE
14	WALL SHELVING W/ POT RACK
15	(3) COMPARTMENT SINK (EXISTING / REMAIN)
16	GREASE INTERCEPTOR (BY OTHERS)
17	SPARE NUMBER
18	WORKTABLE W/ SINK (EXISTING / REMAIN)
19	SLICER
20	SPARE NUMBER
21	FOOD PROCESSOR
22	ICE MACHINE
23	ICE BIN
24	SPARE NUMBER
25	WATER FILTER
26	HALF SIZE COMBI OVEN - VENTLESS
27	WORKTOP FREEZER
28	EXHAUST HOOD (EXISTING / REMAIN)
29	FRYER DUMP STATION W/ HEAT LAMP
30	SPARE NUMBER
31	ELECTRIC FRYER
32	REFRIGERATED EQUIPMENT STAND
33	ELECTRIC COUNTERTOP GRIDDLE
34	ELECTRIC CHEESEMELTER
35	HEATED CABINET
36	TOASTER
37	WALL SHELVING
38	REFRIGERATED PREP TABLE
39	S/S PASS-THRU SHELF
40	SPARE NUMBER
41	HOT FOOD TABLE W/ FILL FAUCET
42	REACH-IN FREEZER
43	LIGHTED LIQUOR DISPLAY
44	BACK BAR COOLER
45	POS (BY OWNER)
46	BEER COOLER W/ DIRECT-DRAW SETUP
47	BEER TOWER
48	DRIP PAN
49	BEER COOLER W/ DIRECT-DRAW SETUP
50	SPARE NUMBER
51	BACK BAR COUNTER (BY OTHERS)
52	S/S PERFORATED DRAIN PAN
53	BAR TOP & DIE WALL (BY OTHERS)
54	BAR DUMP SINK W/ RINSER
55	LIQUOR STEPS
56	COCKTAIL STATION
57	SODA GUN (BY VENDOR)
58	SODA GUN HOLDER
59	DRAINBOARD
60	SPARE NUMBER
61	TRASH RECEPTACLE (BY OWNER)
62	BAR HAND SINK W/ SOAP & TOWEL DISPENSER
63	MUG FROSTER
64	BAR (2) COMPARTMENT SINK
65	GLASSWASHER
66	GREASE INTERCEPTOR (BY OTHERS)
67	DROP-IN HAND SINK
68	SOAP & TOWEL DISPENSER (BY OWNER)
69	COFFEE BREWER (BY VENDOR)
70	SPARE NUMBER

ACT-1 FB-4 FB-5 FB-6 FRP MT-1 MT-2 MT-5 MT-6 MT-7 MT-8 PL-1 PL-3

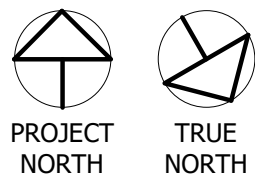
PT-1 PT-2 ST-2 ST-3 T-1 T-7 T-8 T-9 T-10 T-11 T-12 WD-1

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CONTRACTOR FAIL TO PERFORM THIS FUNCTION.

[illegible]



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



OCCUPANCY LOAD CALCULATIONS:

ACTUAL PROJECT AREA: 2,380 SQFT

OCCUPANT LOAD CALCULATIONS:

SUPPORT ROOM	=	395 SF / 200	=	2 PERSONS
BOH	=	484 SF / 200	=	3 PERSONS
BAR SERVICE AREA	=	258 SF / 200	=	2 PERSONS
SERVICE AREA	=	86 SF / 200	=	1 PERSONS
TO-GO AREA	=	29 SF / 5 NET	=	6 PERSONS
LOOSE SEATING	=	863 SF / 15 NET	=	58 PERSONS
FIXED SEATING:				
BAR COUNTER	=	17 PERSONS + 2 ADA		

EGRESS:

2 EXITS REQUIRED.
PROVIDED EXITS = 5 OF 2 REQUIRED.
EGRESS WIDTH = 36" MINIMUM, OPENINGS > OR = 36"
36" AISLES PROVIDED
EGRESS CAPACITY = 2" PER OCCUPANT = 180 OCCUPANTS PER 36" DOOR > 2 PERSONS
OCCUPANCY LOAD.

63' - 9 1/2" / 4 = 15' - 5 1/2"
31' - 11" MIN DISTANCE REQUIRED BETWEEN TWO EXITS
DISTANCE PROVIDED = 18' - 2"

OCCUPANCY GROUP: A-2 - RESTAURANT

CONSTRUCTION TYPE: IIB - FULLY SPRINKLED

NOTES:

- BUILDING PERMITTED AS A COVERED MALL.
- NO RESTROOMS REQUIRED WITHIN INDIVIDUAL TENANT SPACES.

WALL LEGEND

	EXISTING WALL
	NEW WALL
	DEMOLISHED WALL
	LEASE LINE

GENERAL NOTE:

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3/24/2026



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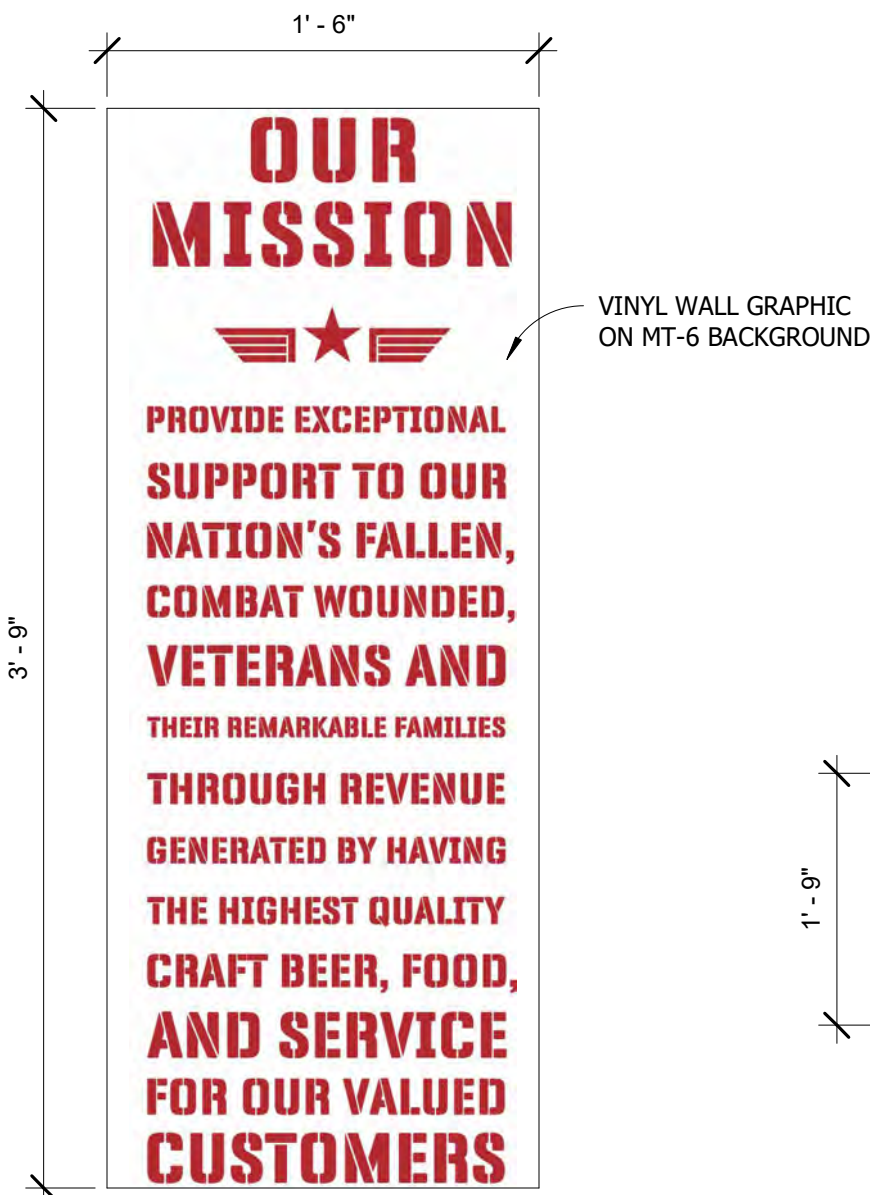
No.	Description	Date
	100% SUBMITTAL	03/24/2026

EGRESS PLAN

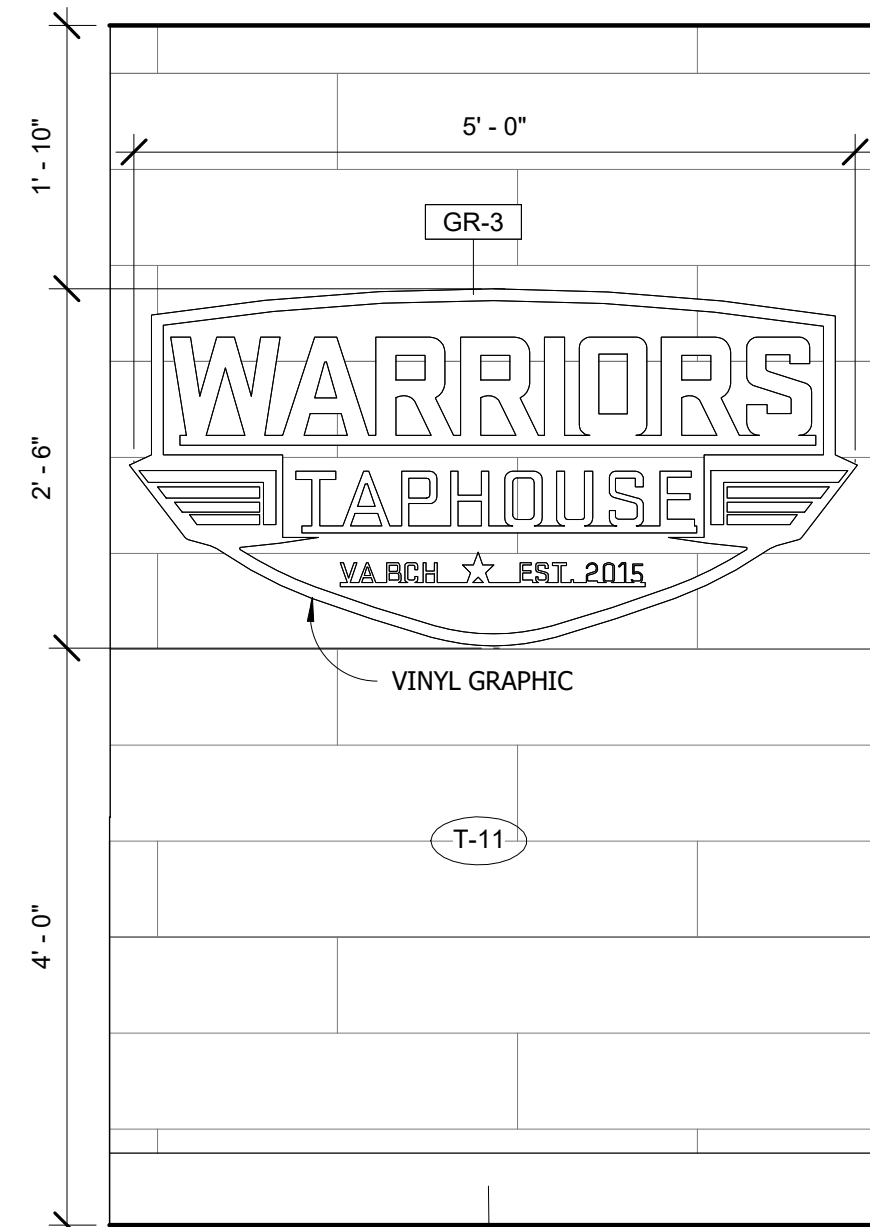
DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JR
Checked by	KG

A3.3

Scale As indicated

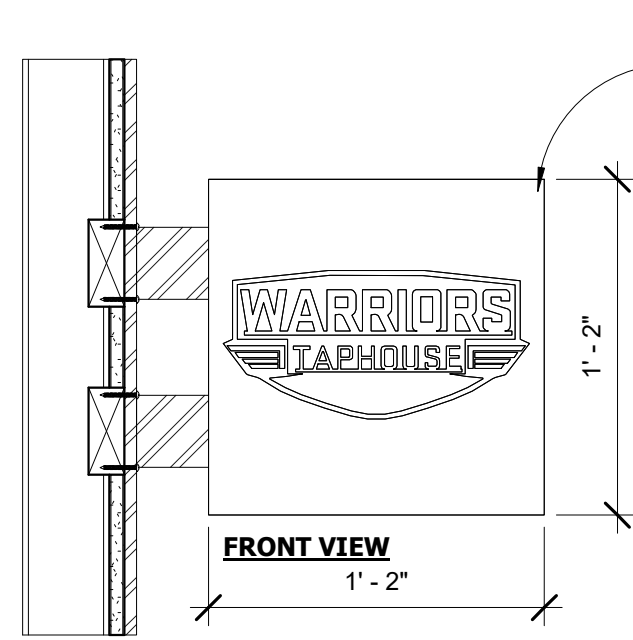


GR-1
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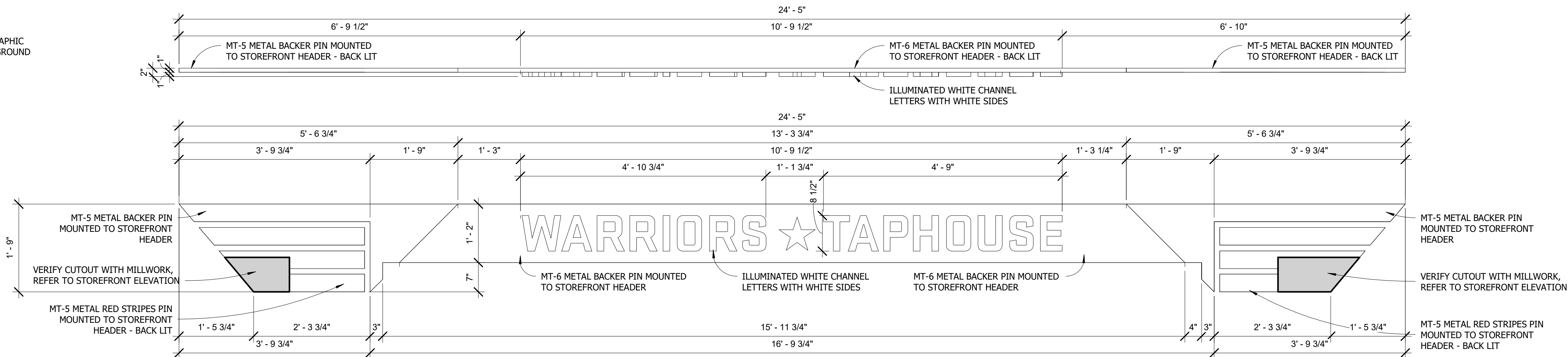
GR-2
3/4" = 1'-0"

MT-1

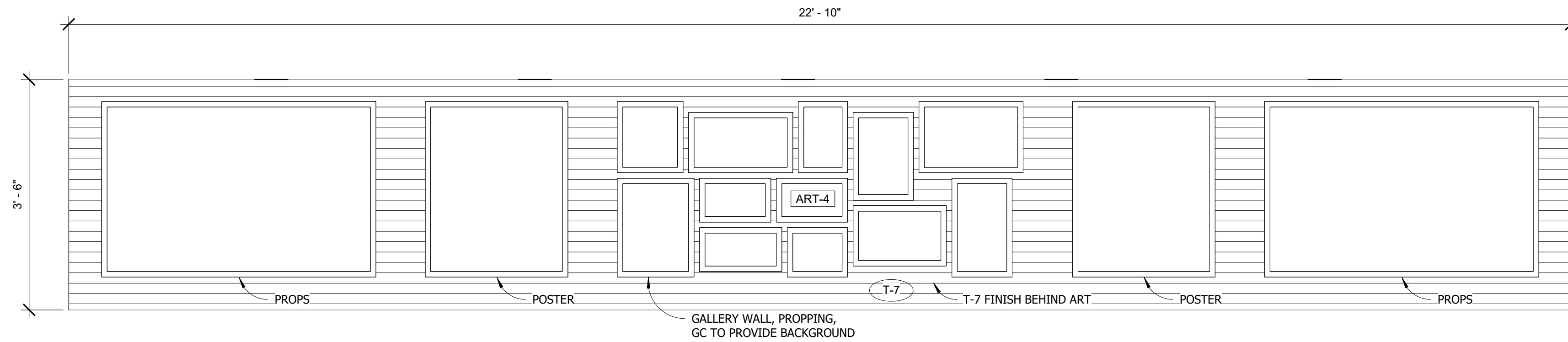


BLADE SIGN IS PROVIDED BY NAA (BASE BUILDING). OWNER TO PROVIDE BRANDED ARTWORK FOR USE IN THE SIGN.

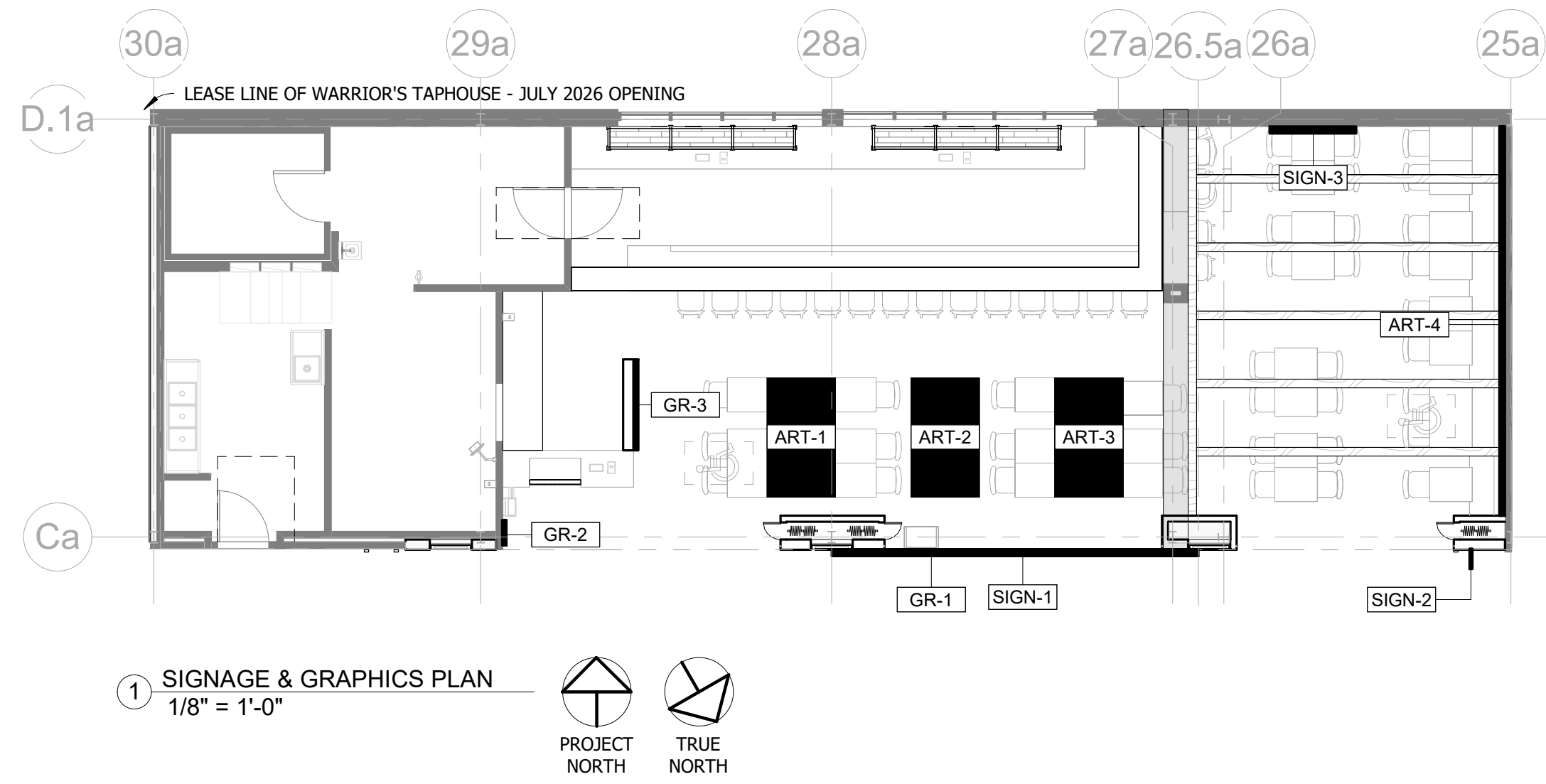
SIGN-2
1 1/2" = 1'-0"



SIGN-1 / GR-1
3/4" = 1'-0"



GR-3
3/4" = 1'-0"



SIGNAGE SCHEDULE		
Mark	Count	Description
ART-1	1	AMERICAN FLAG
ART-2	1	POW MIA FLAG
ART-3	1	VETERAN FLAG
ART-4	1	BRAND PROVIDED GRAPHICS
GR-1	1	VINYL WALL GRAPHIC
GR-2	1	VINYL WALL GRAPHIC
GR-3	1	VINYL WALL GRAPHIC
SIGN-1	1	STOREFRONT SIGNAGE, ILLUMINATED
SIGN-2	1	BLADE SIGN, ILLUMINATED
SIGN-3	1	BRAND SIGN, ILLUMINATED, BY OTHERS

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SCOTT CHARLES COSTELLO
Lic. No. 015132

ARCHITECT

3/24/2026

Scott Costello

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No.	Description	Date
100%	SUBMITTAL	03/24/2026

SIGNAGE & GRAPHICS PLAN

DOA Permit Number

Project number 2025-059

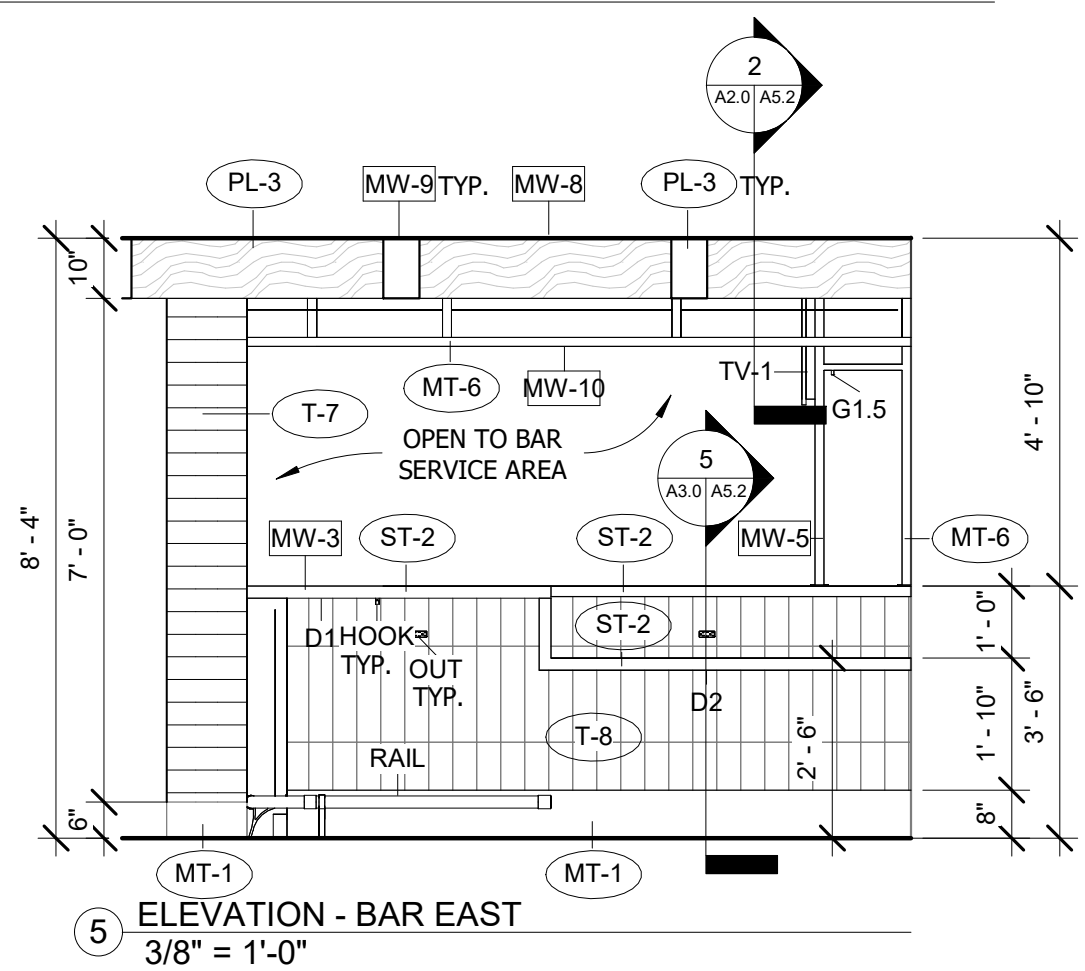
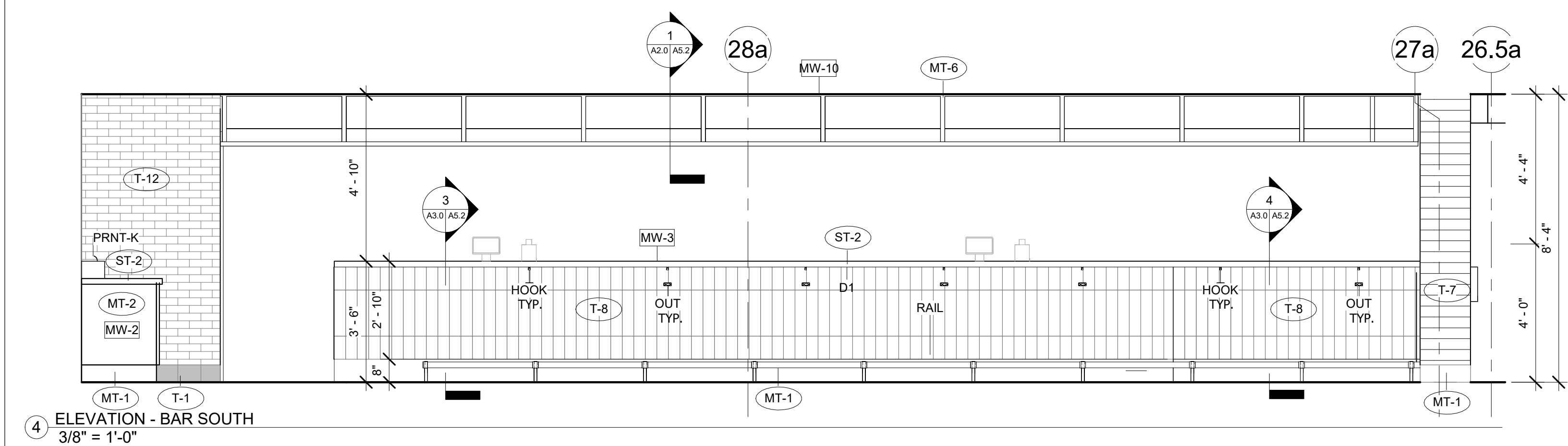
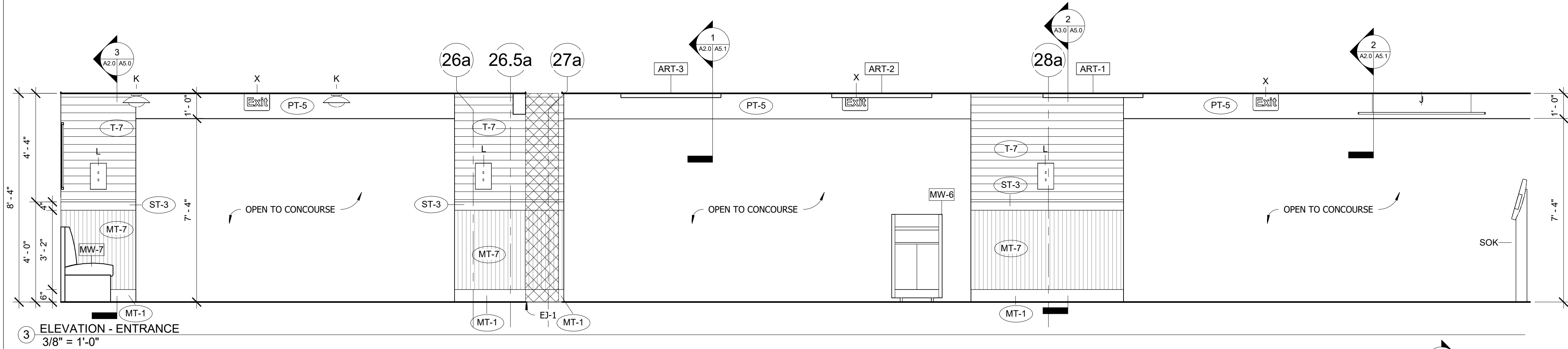
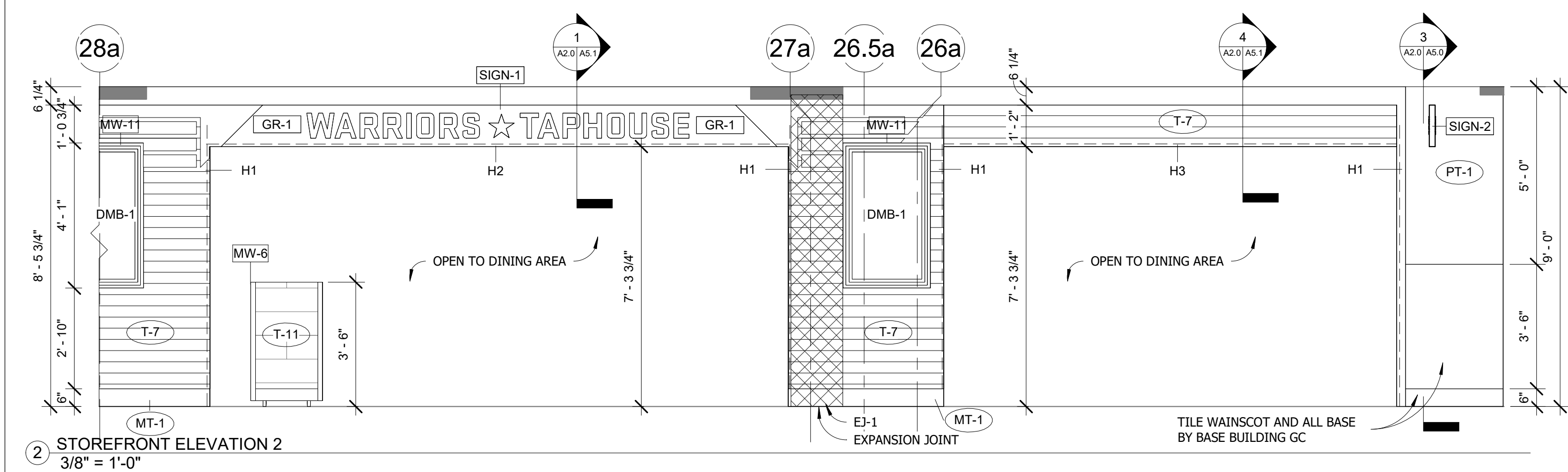
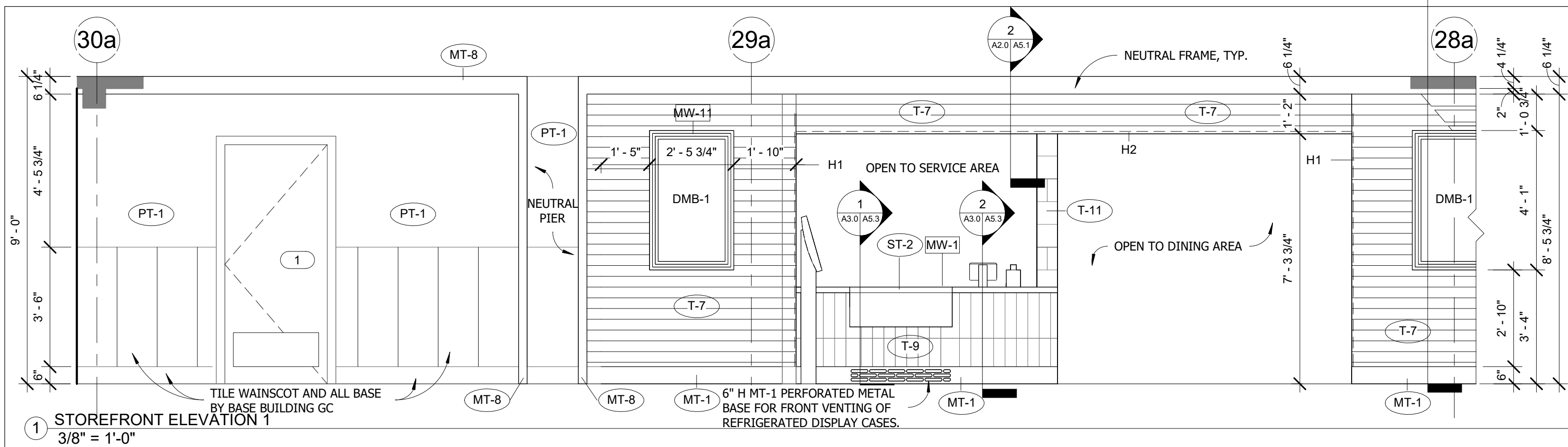
Date 03/24/2026

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Checked by KG

A3.4

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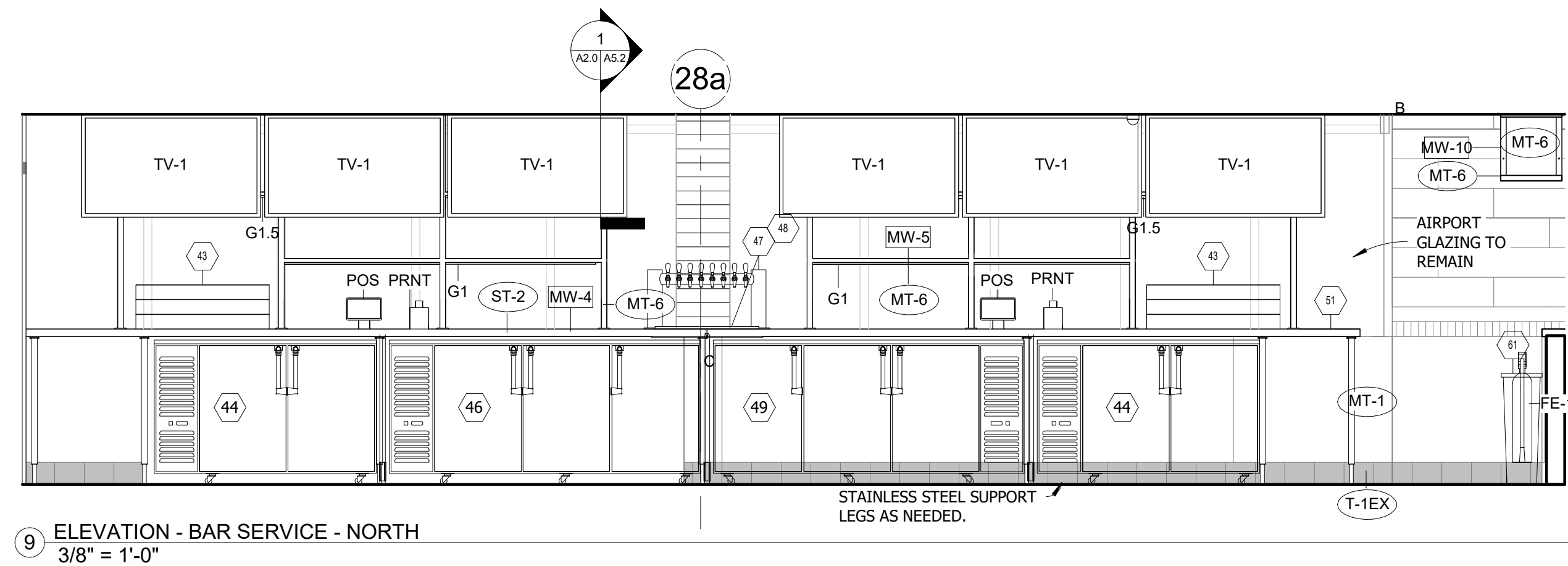
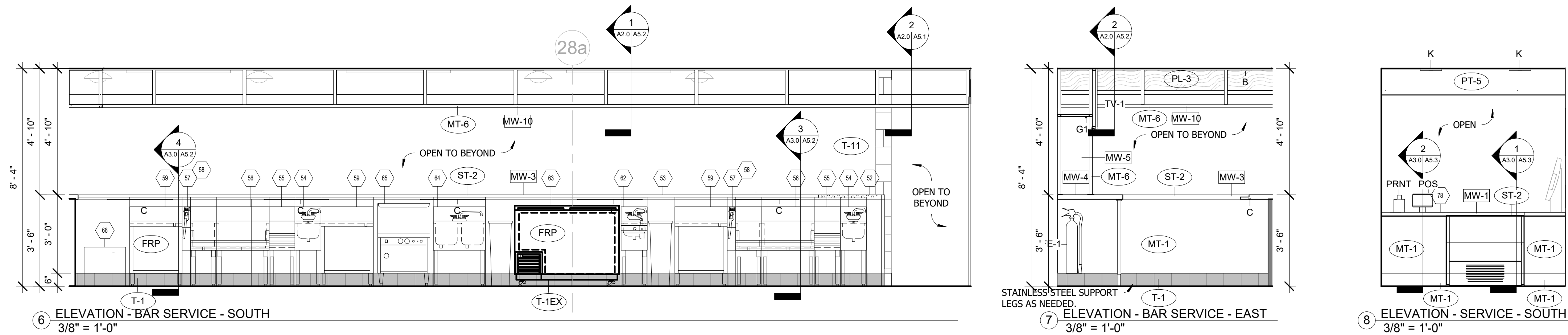
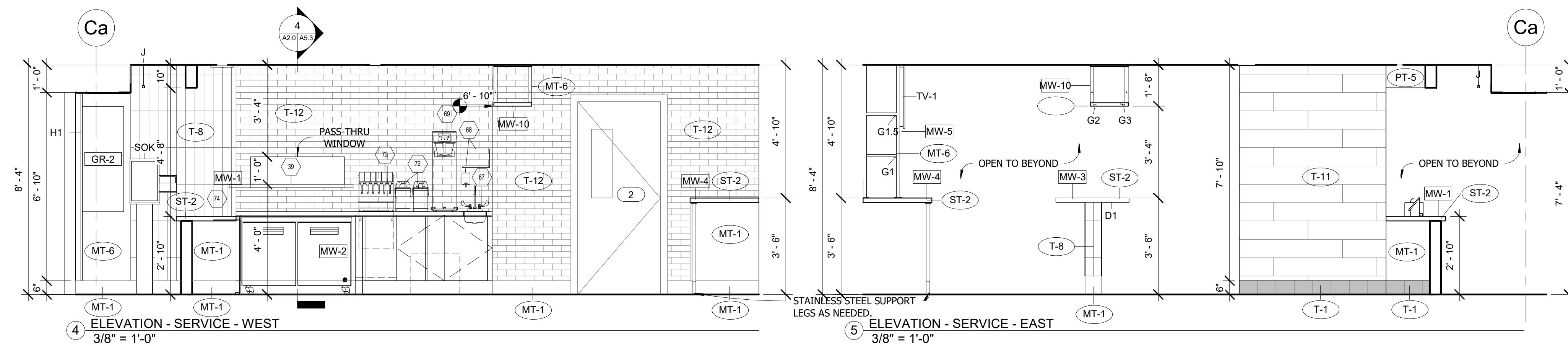
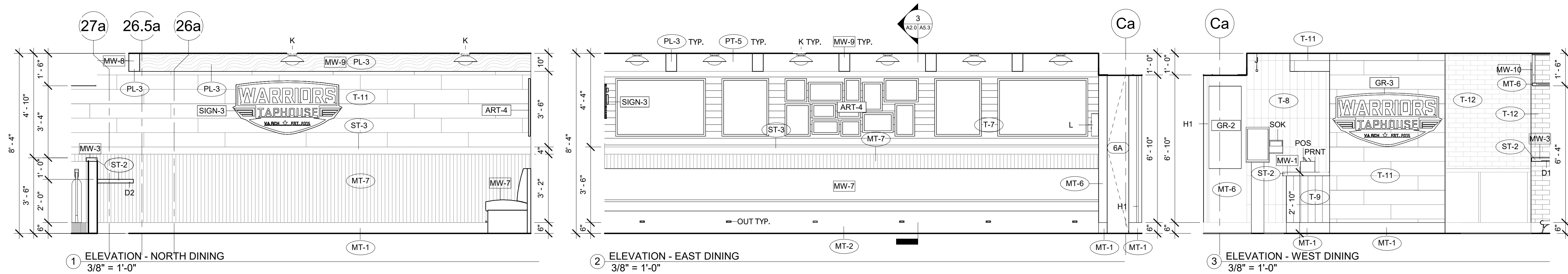
No.	Description	Date
100%	SUBMITTAL	03/24/2026

ELEVATIONS

DOA Permit Number
Project number 2025-059
Date 03/24/2026
Drawn by JR
Checked by KG

A4.0

Scale 3/8" = 1'-0"

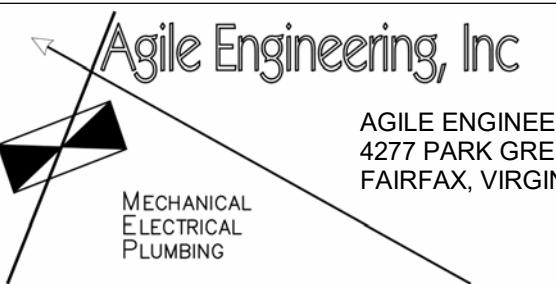


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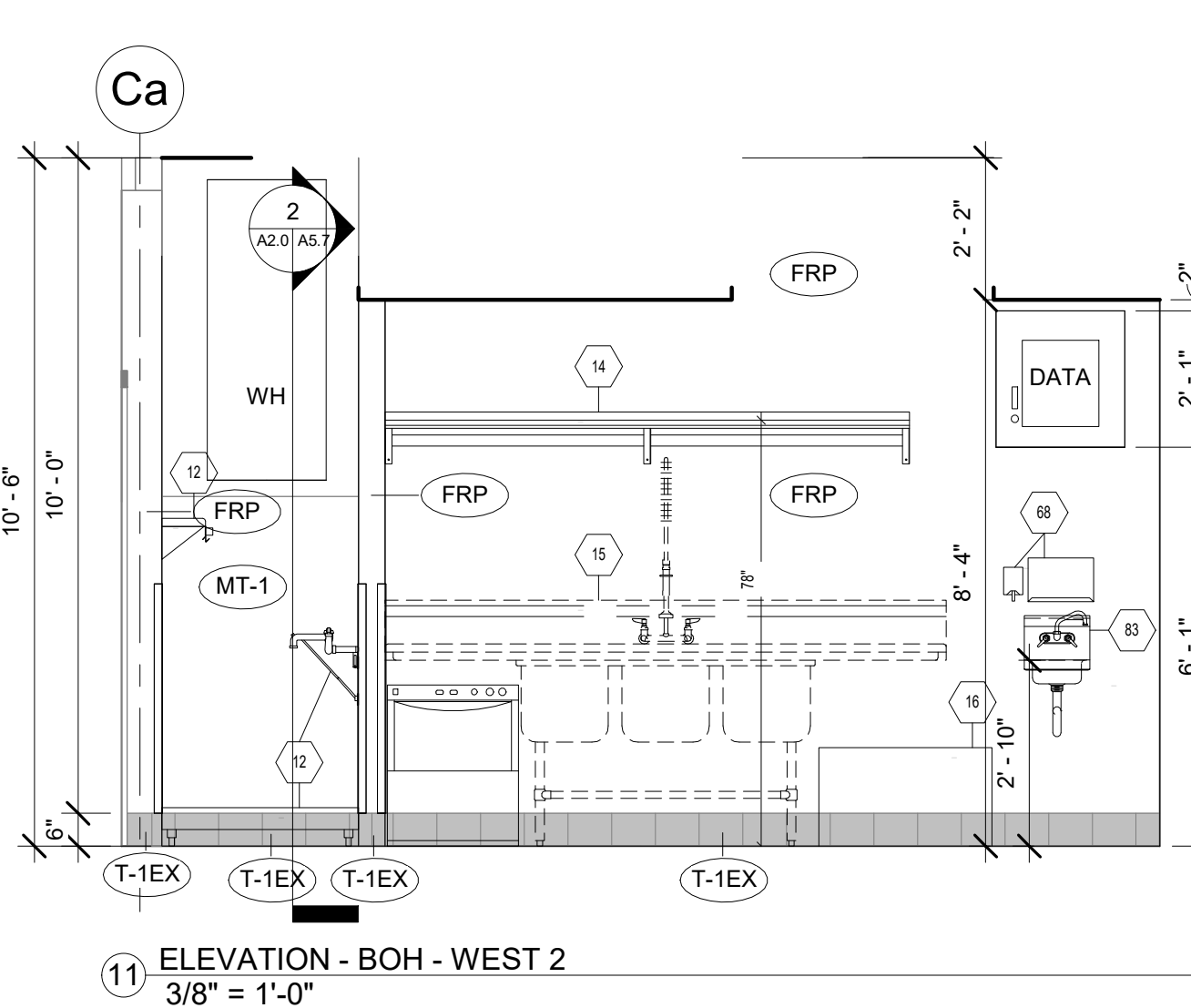
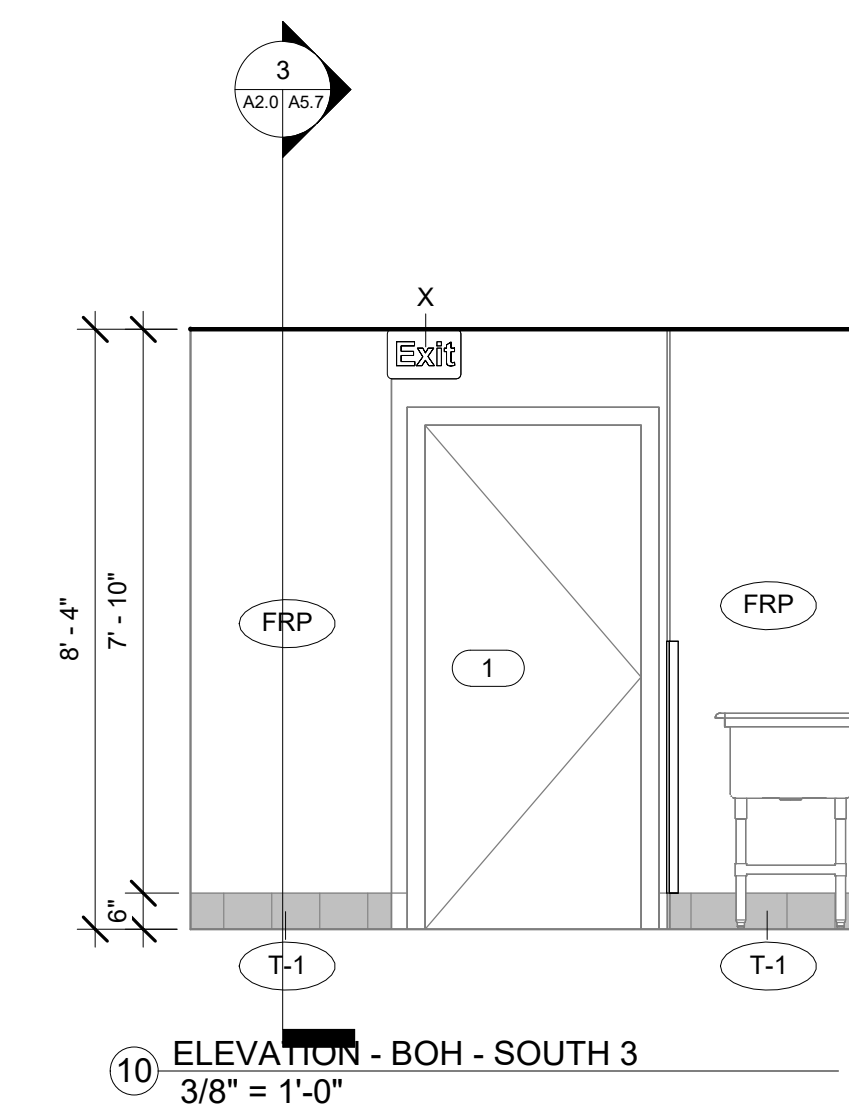
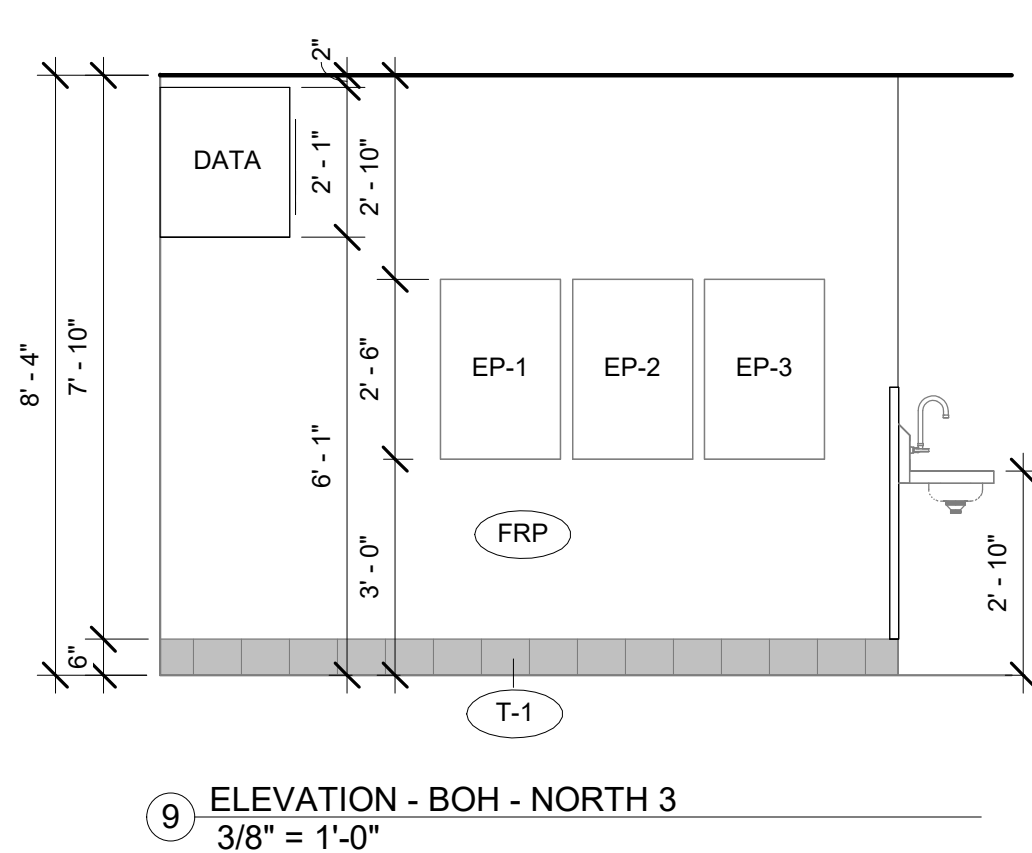
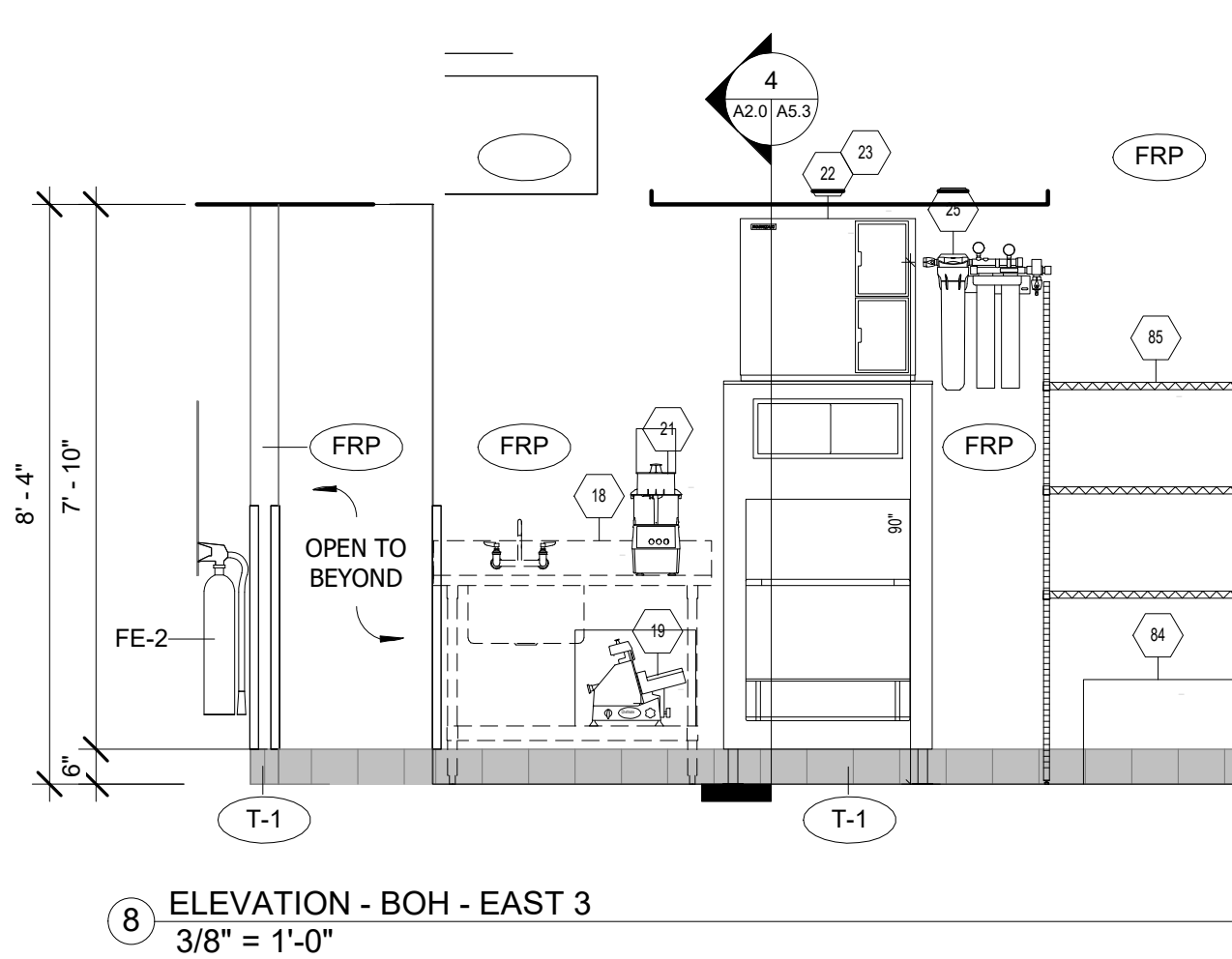
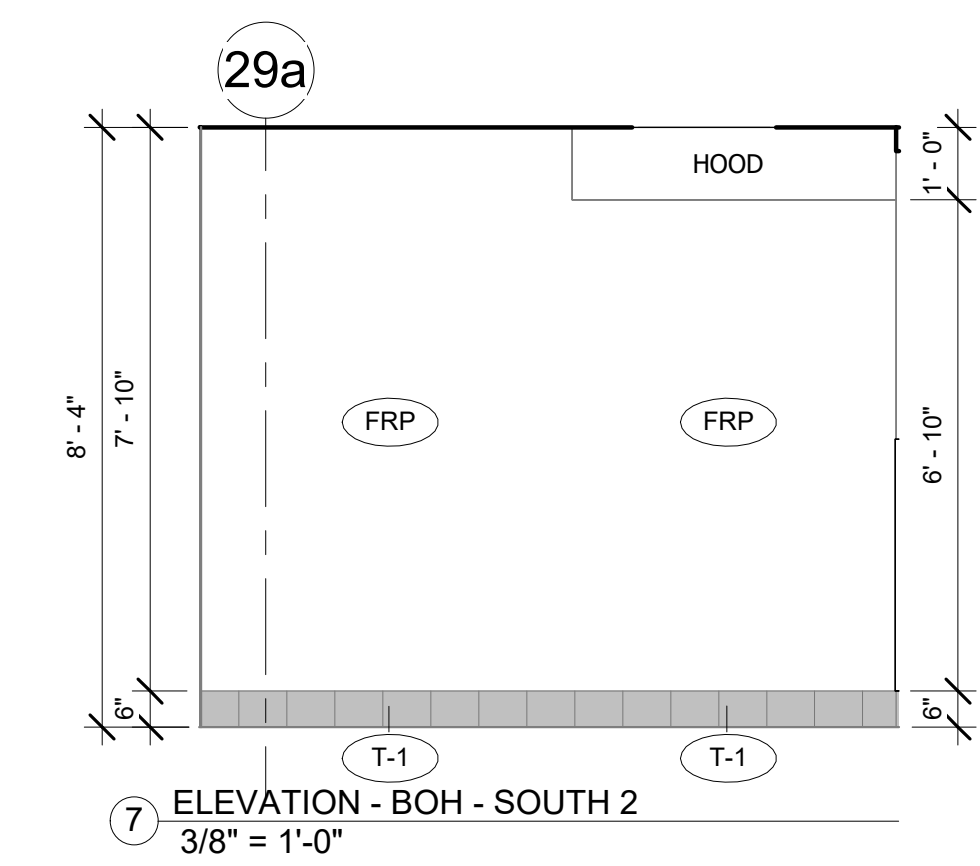
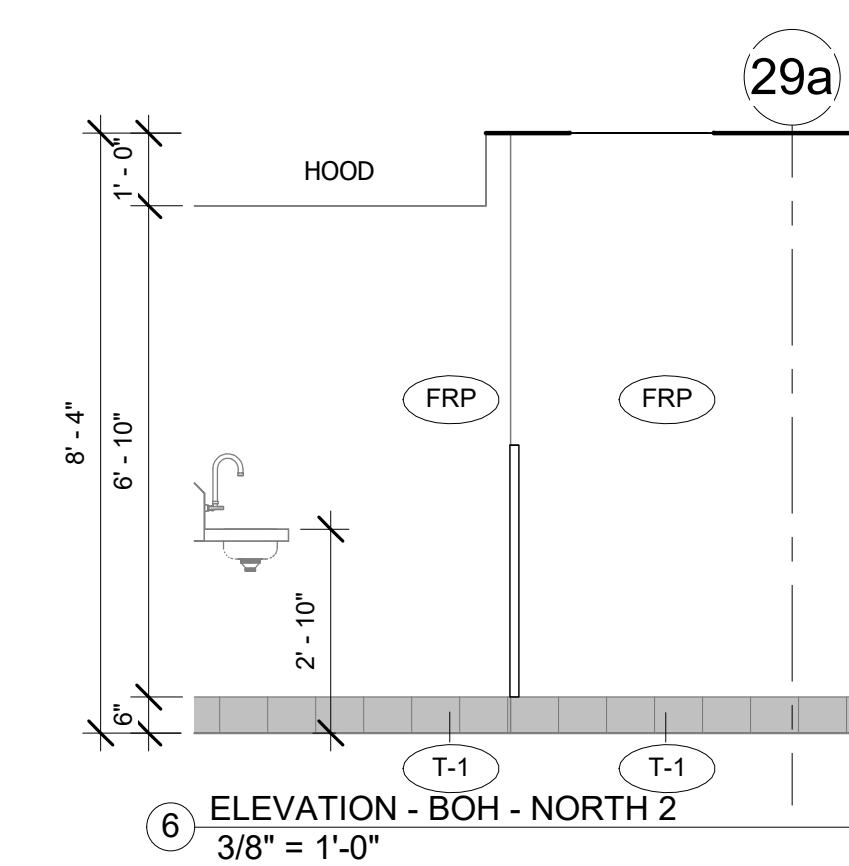
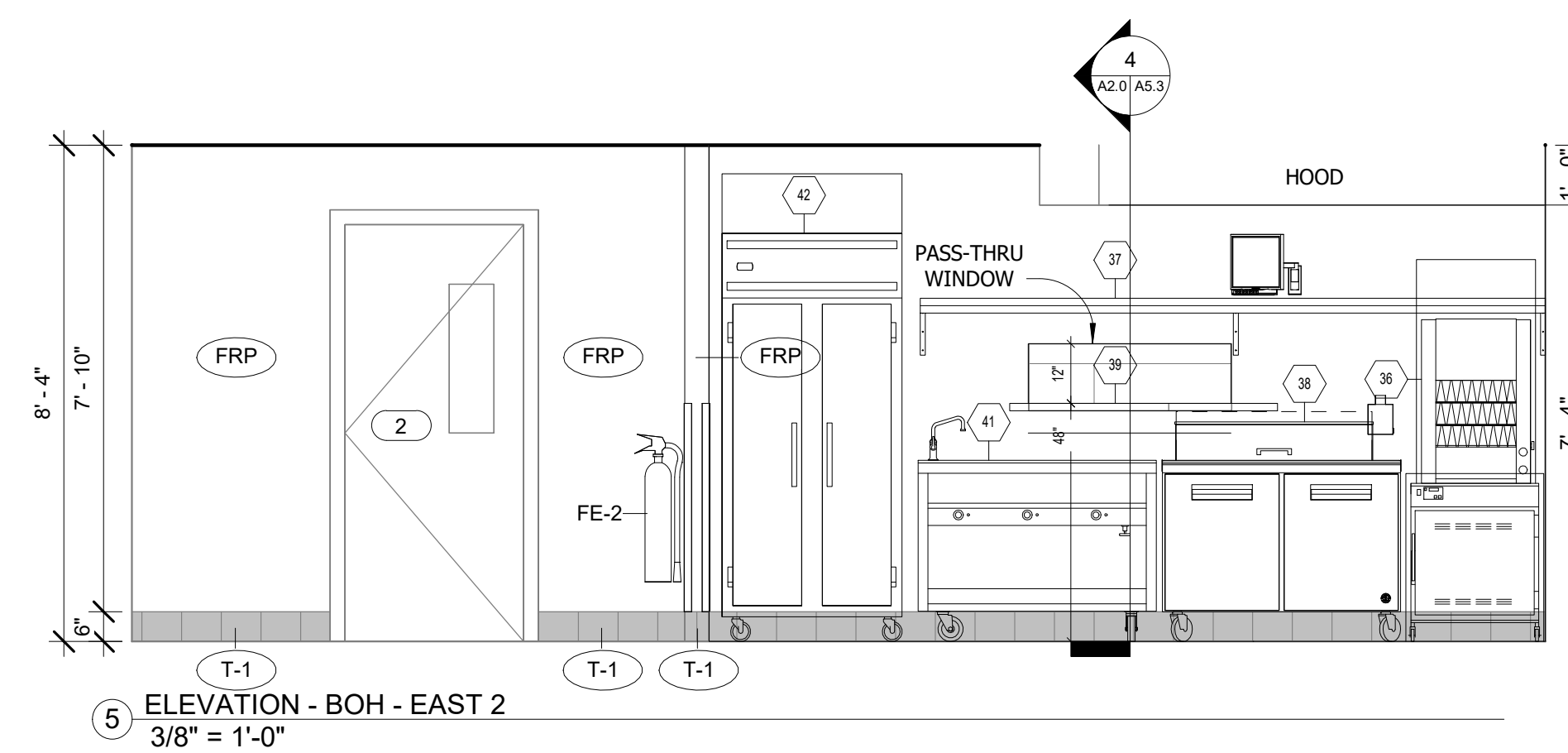
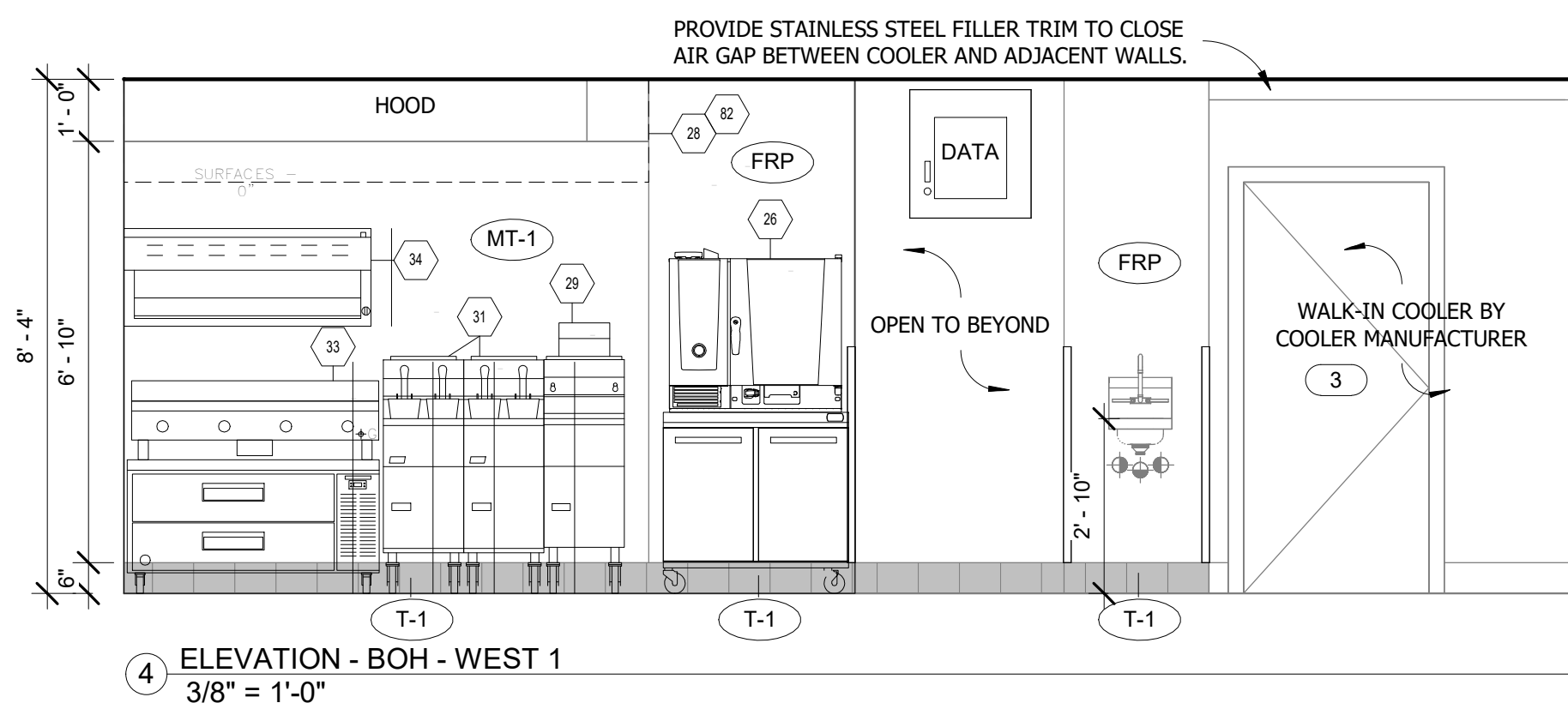
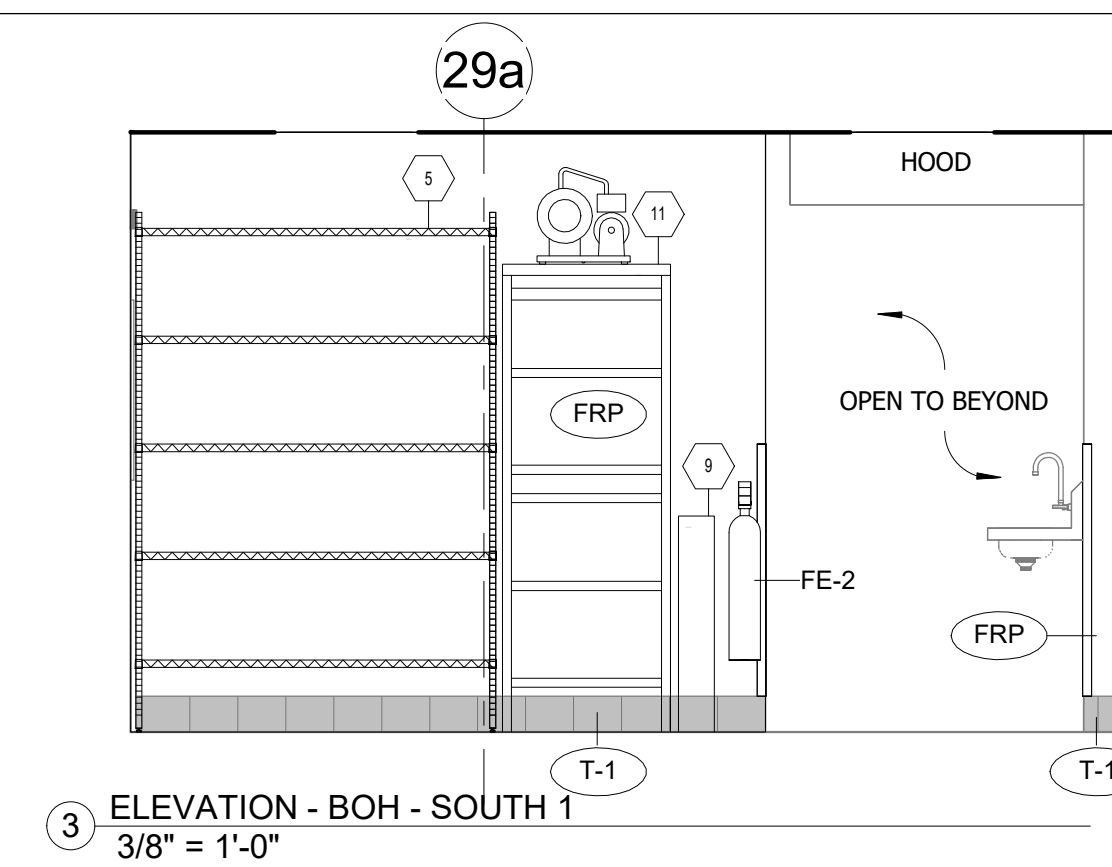
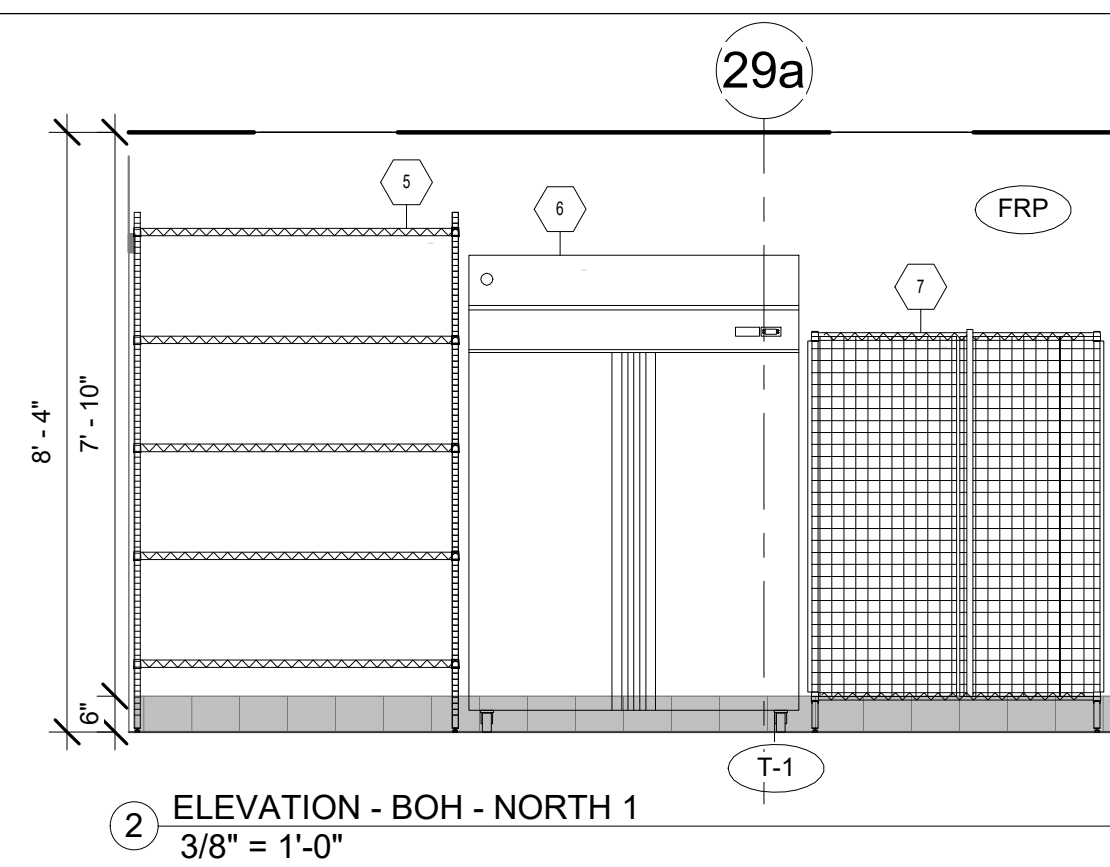
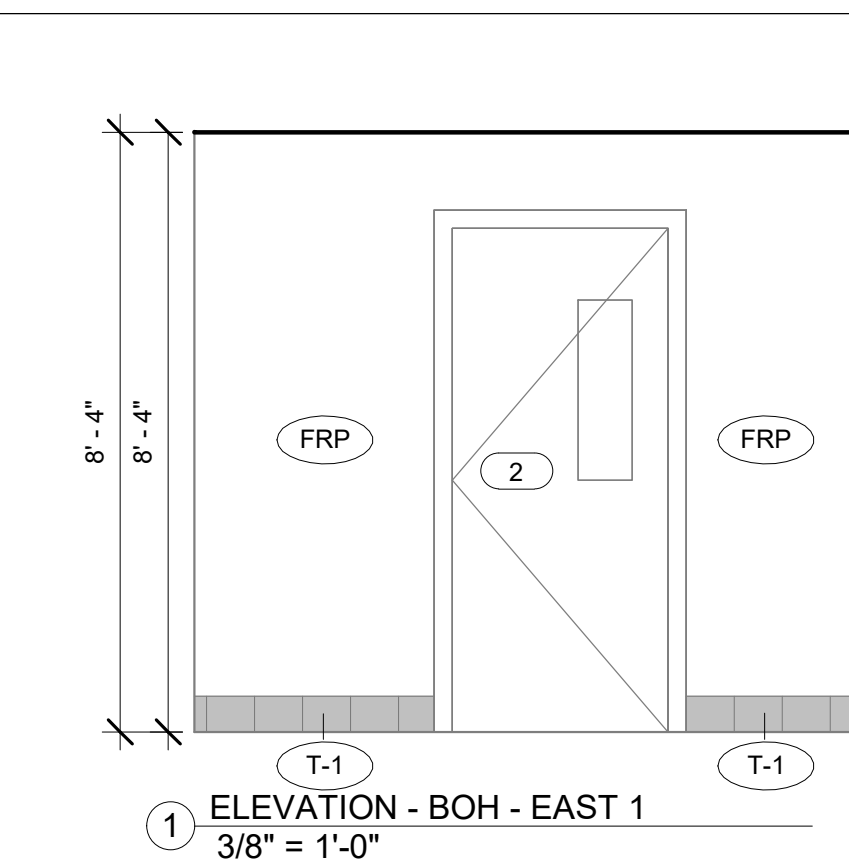
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ELEVATIONS

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JR
Checked by	KG

A4.1

Scale $3/8" = 1'-0"$

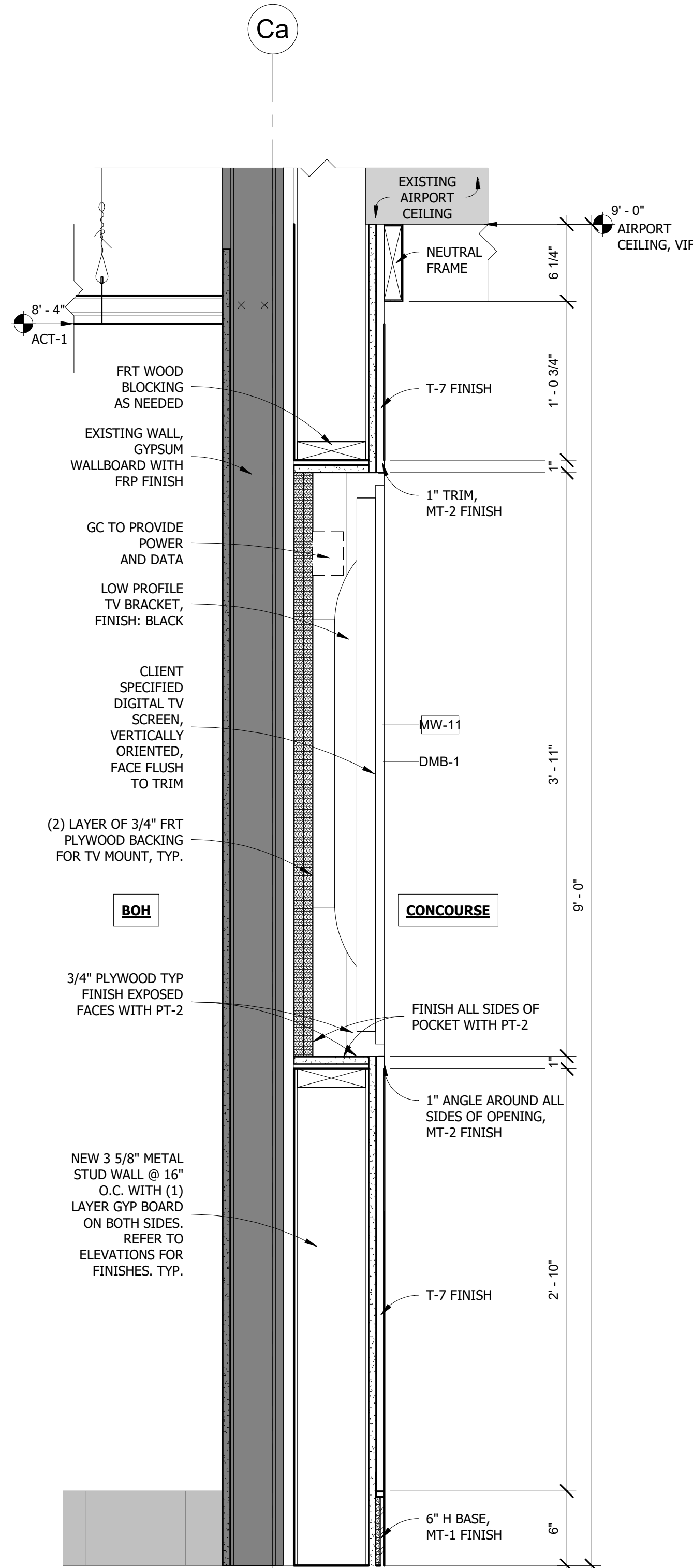


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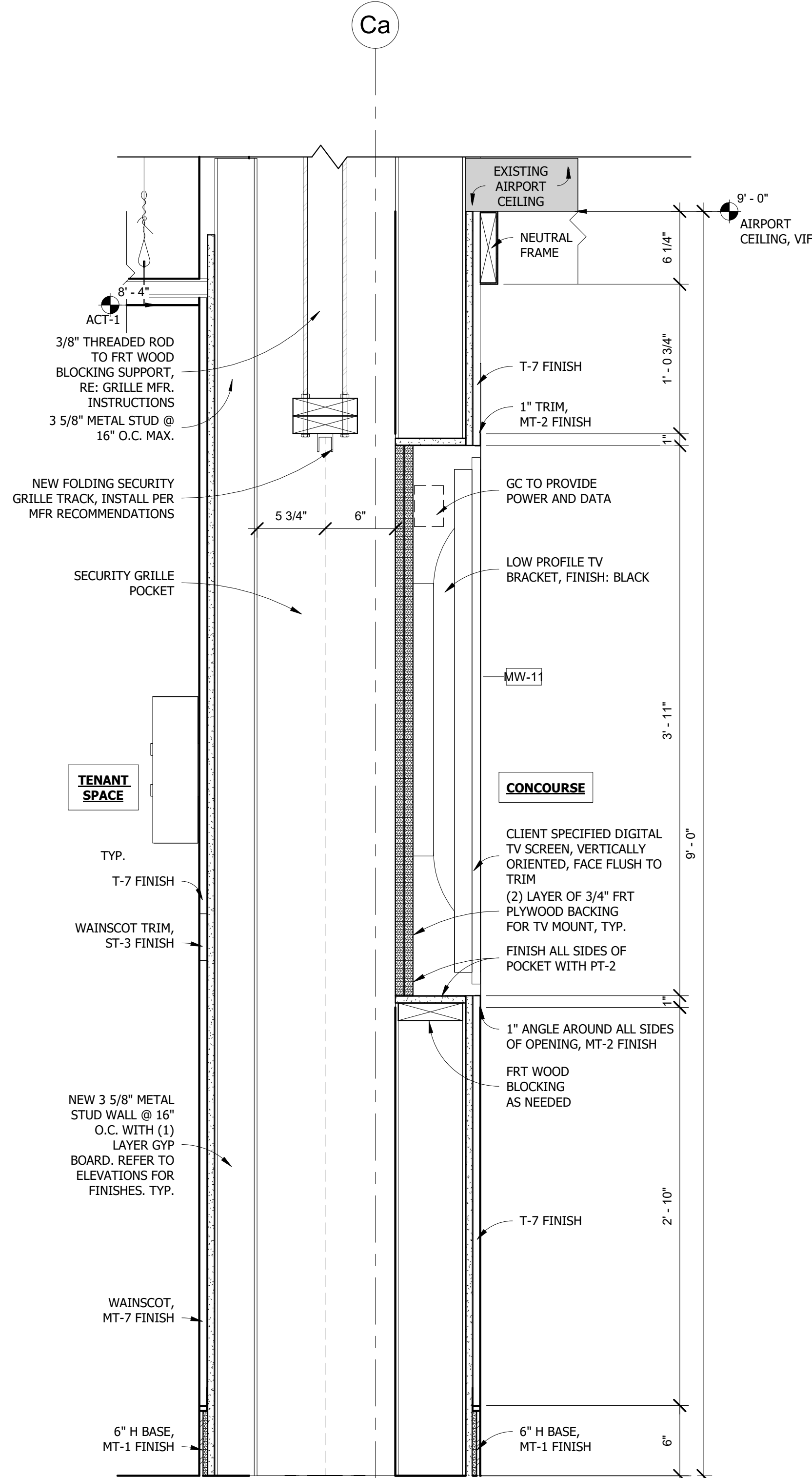
- 1) GC TO VERIFY ALL FIELD DIMENSIONS AND CONTACT PROJECT ARCHITECT WITH ANY SITE DISCREPANCIES.
- 2) FIRE RATED WOOD IS REQUIRED FOR ALL BLOCKING AND MILLWORK.

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CONTRACTOR FAIL TO PERFORM THIS FUNCTION.

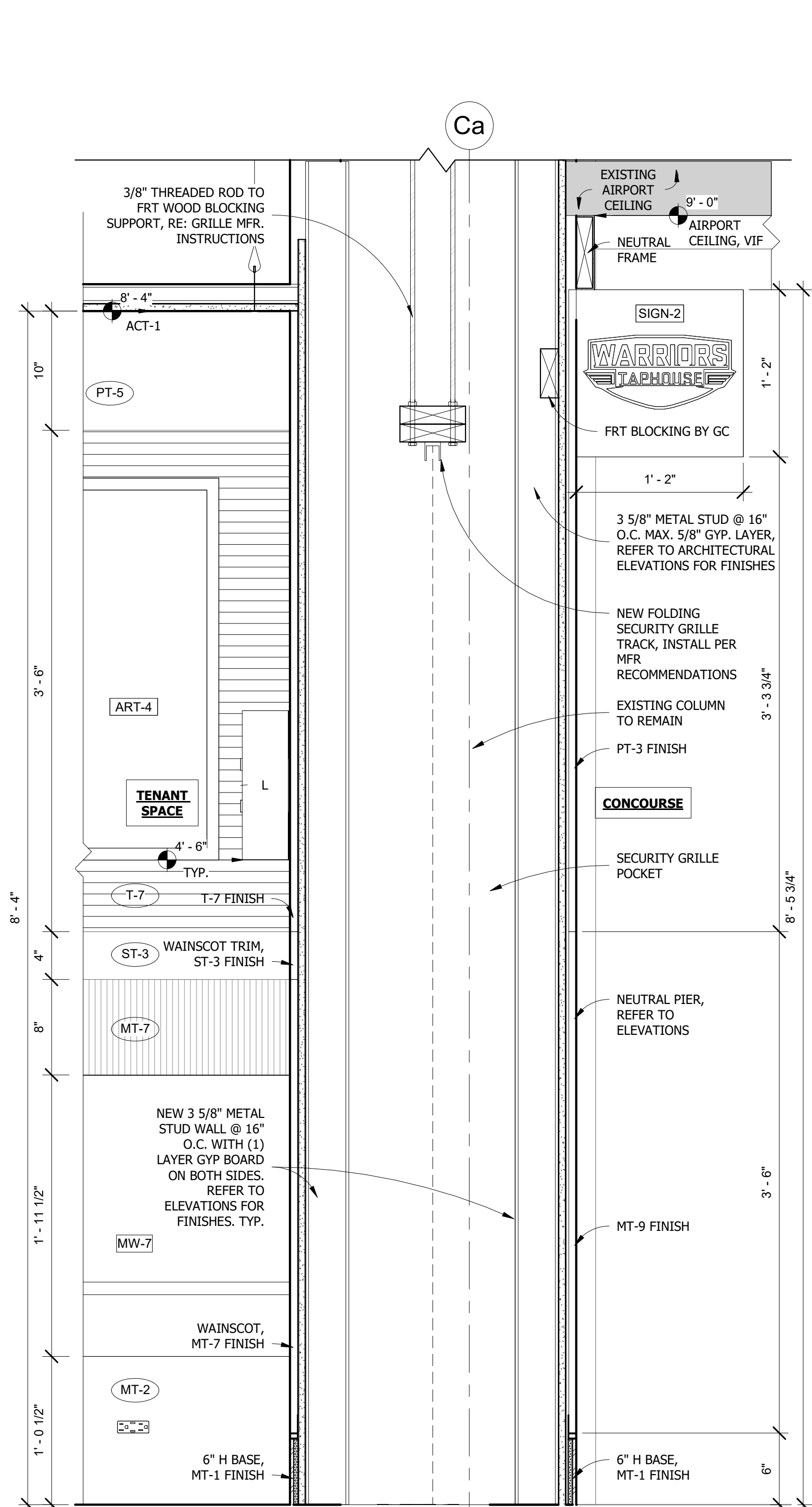
No.	Description	Date
	100% SUBMITTAL	03/24/2026



1 SECTION @ STOREFRONT SCREENS
1 1/2" = 1'-0"



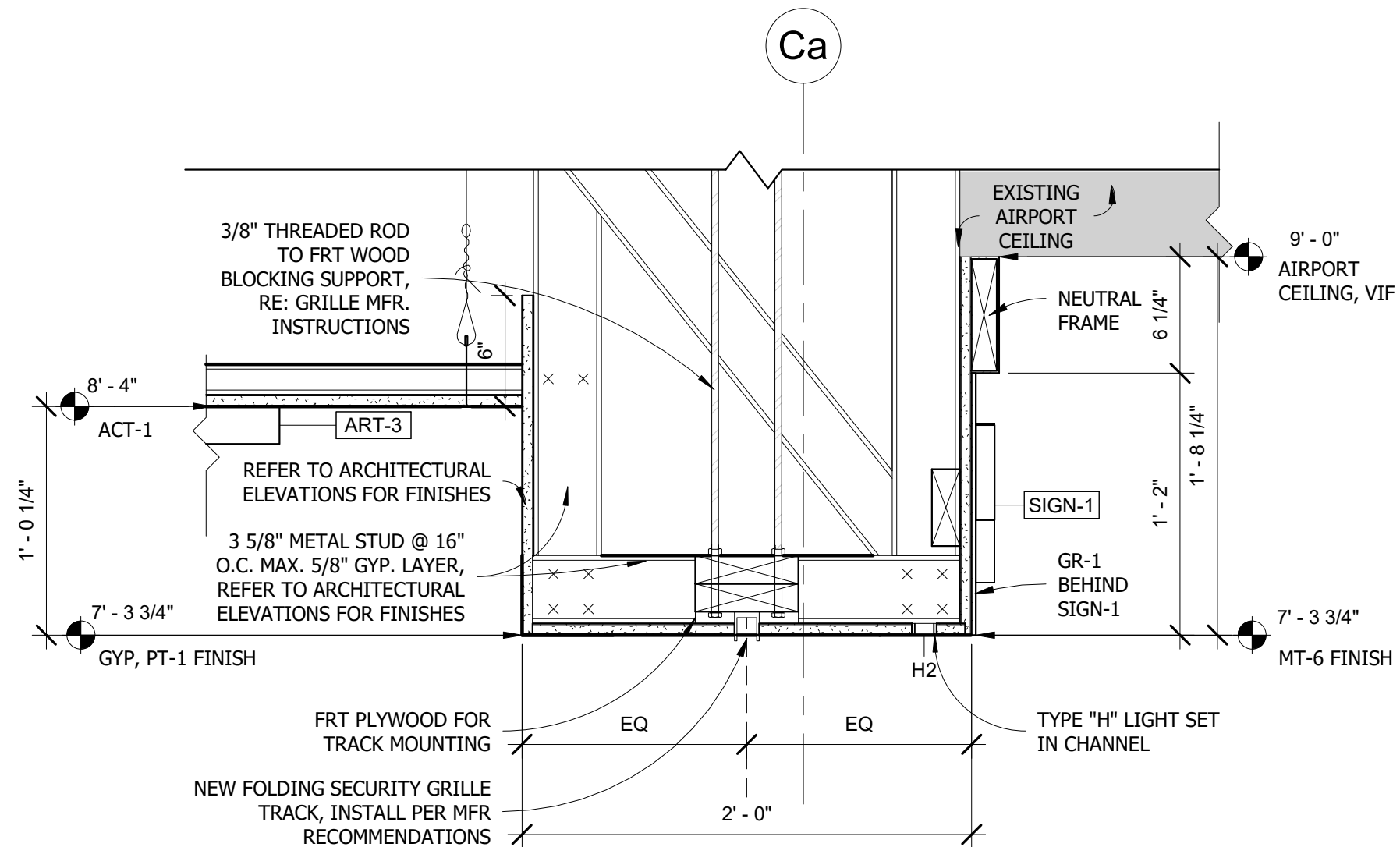
2 SECTION @ STOREFRONT SCREENS @
COLUMN ENCLOSURE
1 1/2" = 1'-0"



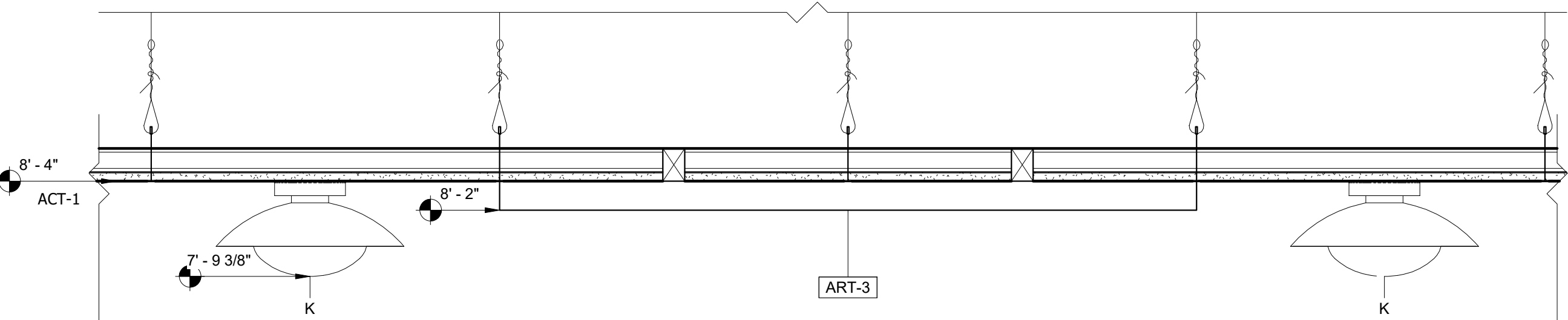
3 SECTION @ SECURITY POCKET GRILLE
1 1/2" = 1'-0"

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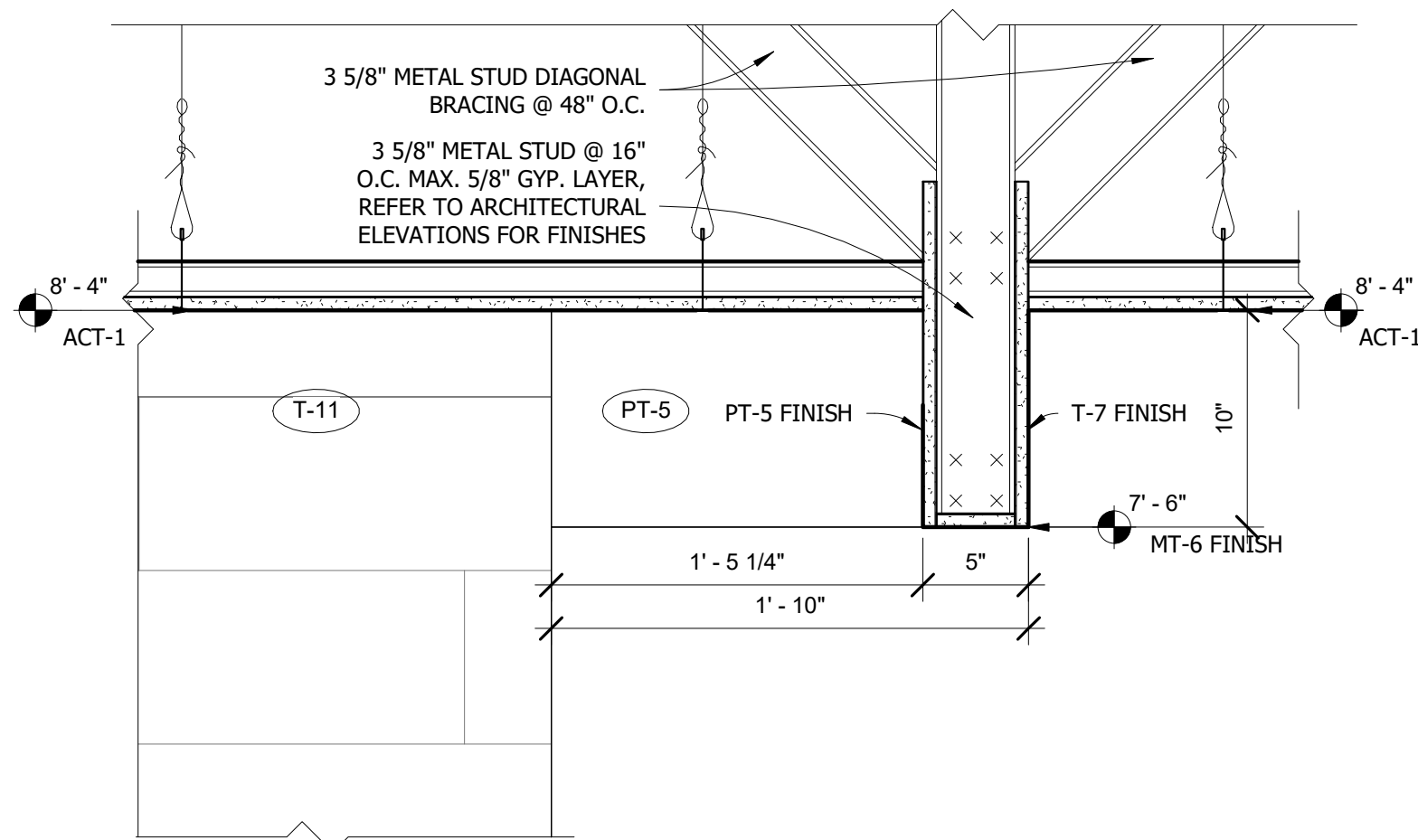
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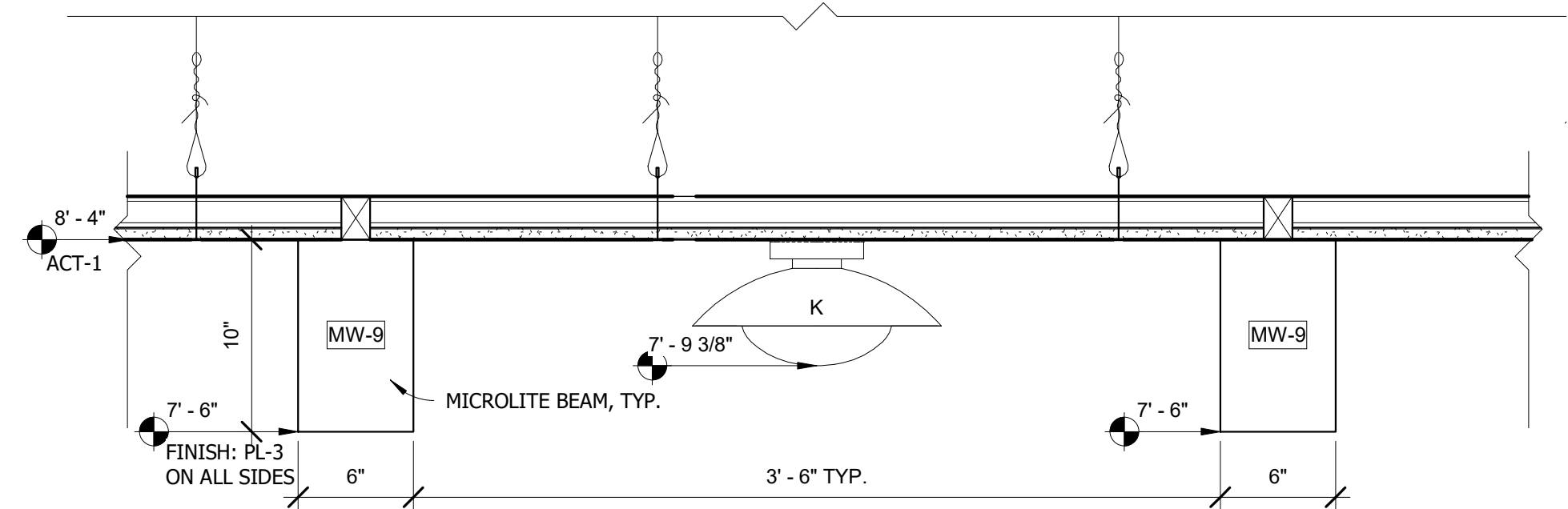
SECTION @ STOREFRONT HEADER,
TYP.
1 1/2" = 1'-0"



SECTION @ ART-1
1 1/2" = 1'-0"



SECTION @ TO-GO HEADER
1 1/2" = 1'-0"



SECTION @ FAUX BEAM
1 1/2" = 1'-0"

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COMMONWEALTH OF VIRGINIA
SCOTT CHARLES
COSTELLO
Lic. No. 015132
ARCHITECT

3/24/2026

WARRIORS
TAPHOUSE

NORFOLK INTERNATIONAL AIRPORT
2200 NORVIEW AVE
NORFOLK, VA 23518
CONCOURSE A, A.06, SPACE #CA2306

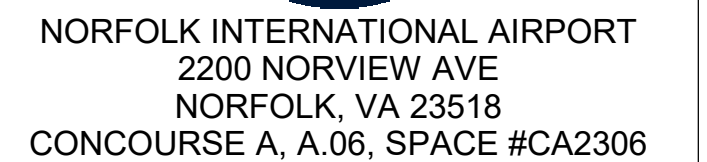
No.	Description	Date
	100% SUBMITTAL	03/24/2026

DETAILS - CEILING

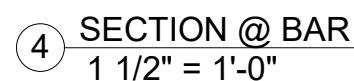
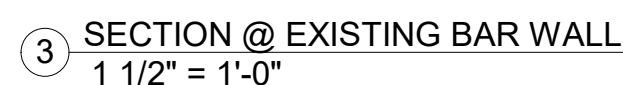
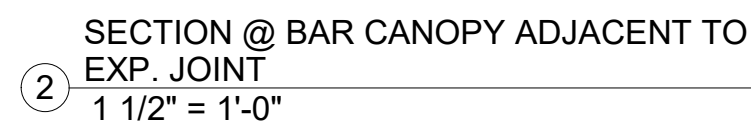
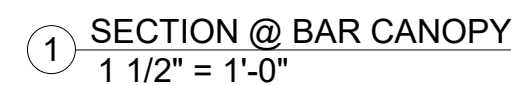
DOA Permit Number
Project number 2025-059
Date 03/24/2026
Drawn by JR
Checked by KG

A5.1

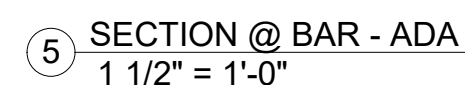
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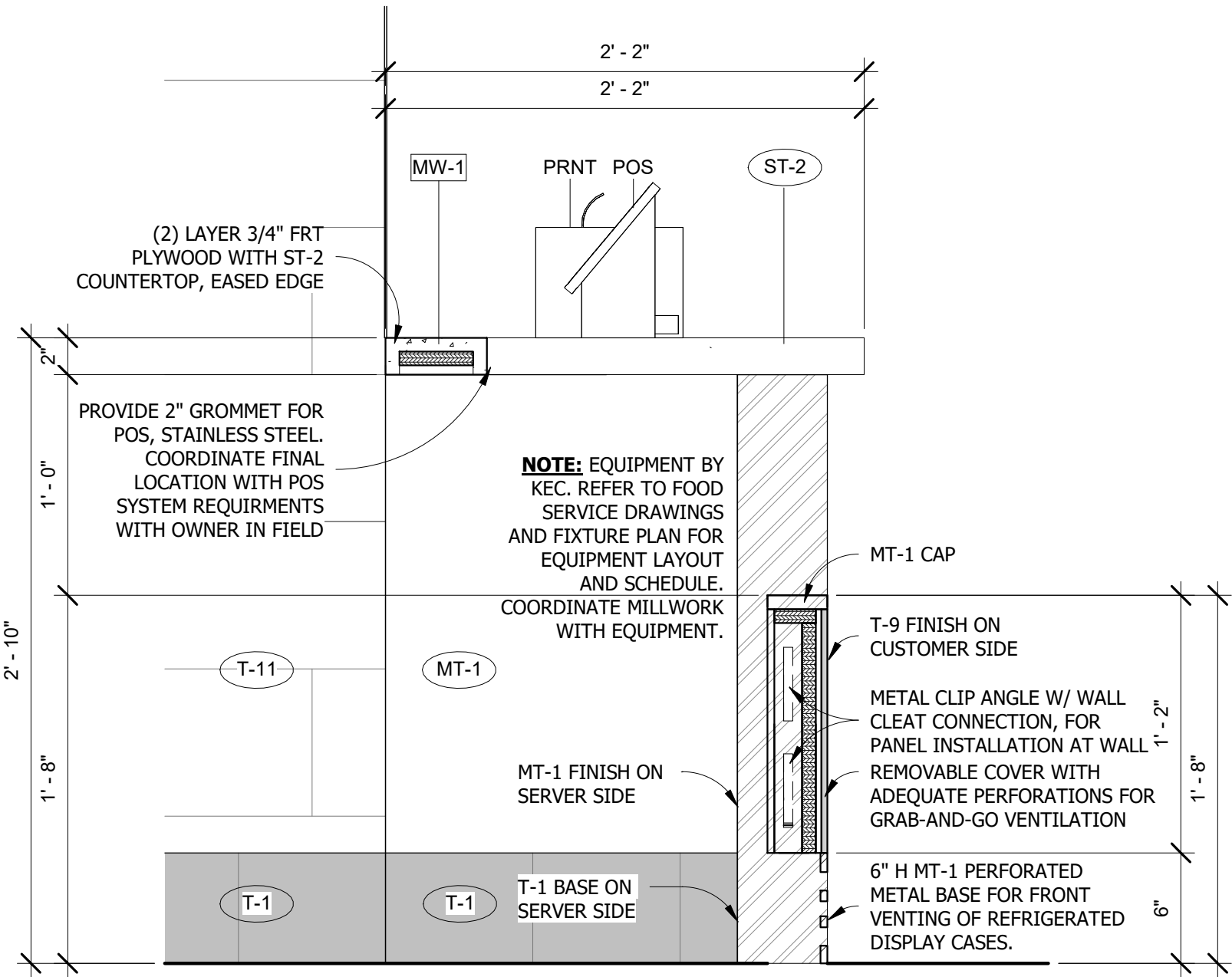
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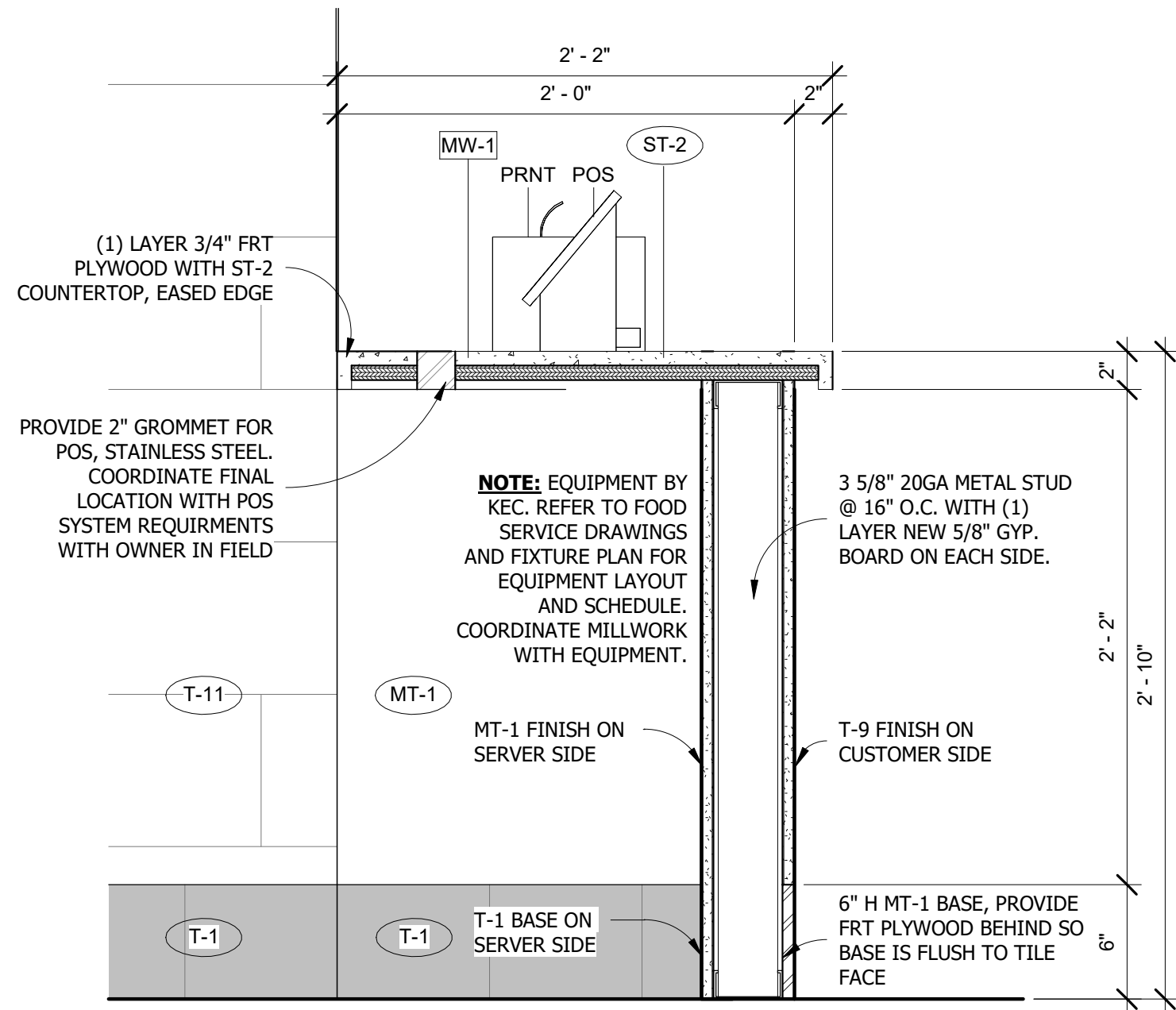
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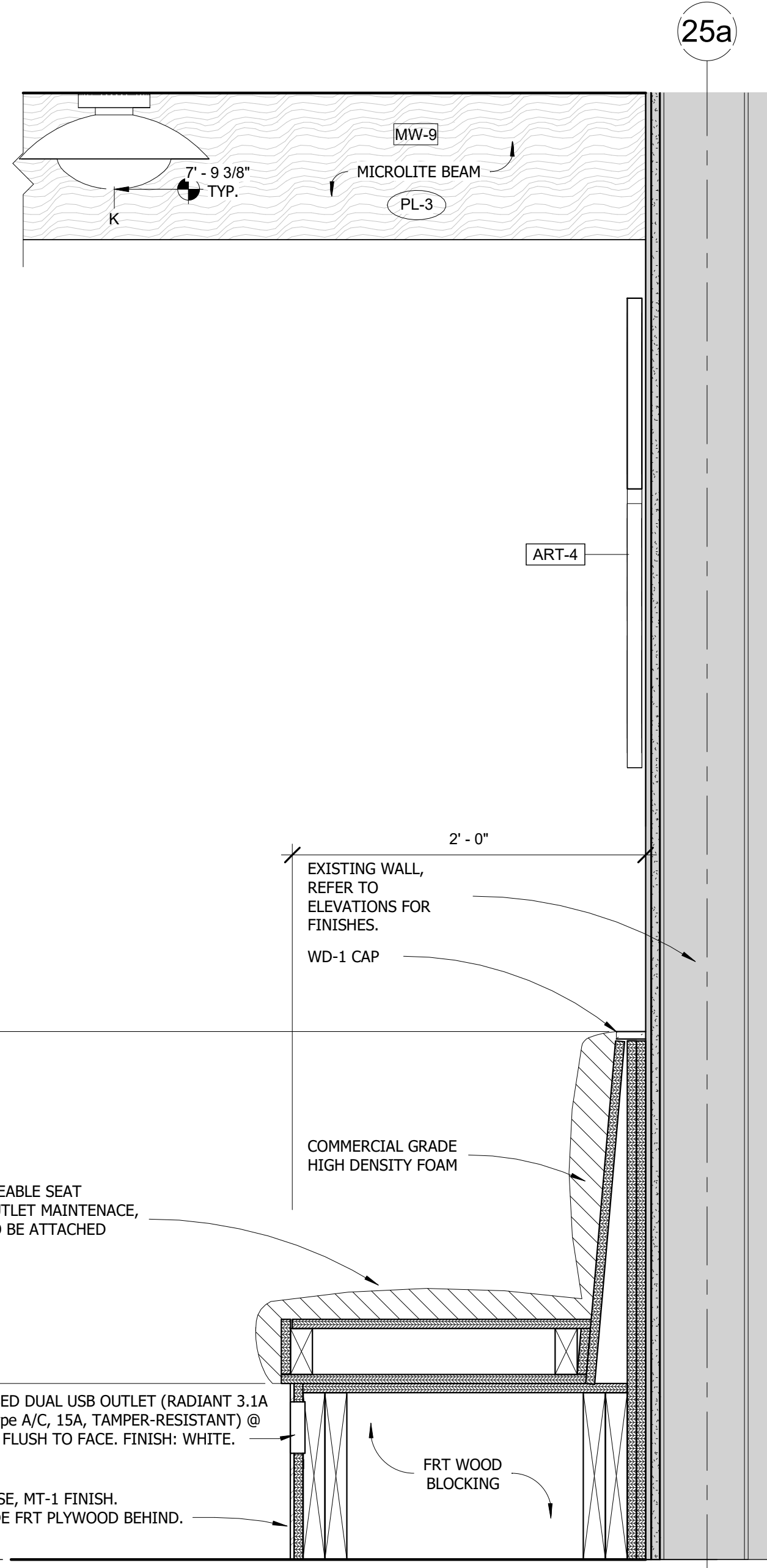
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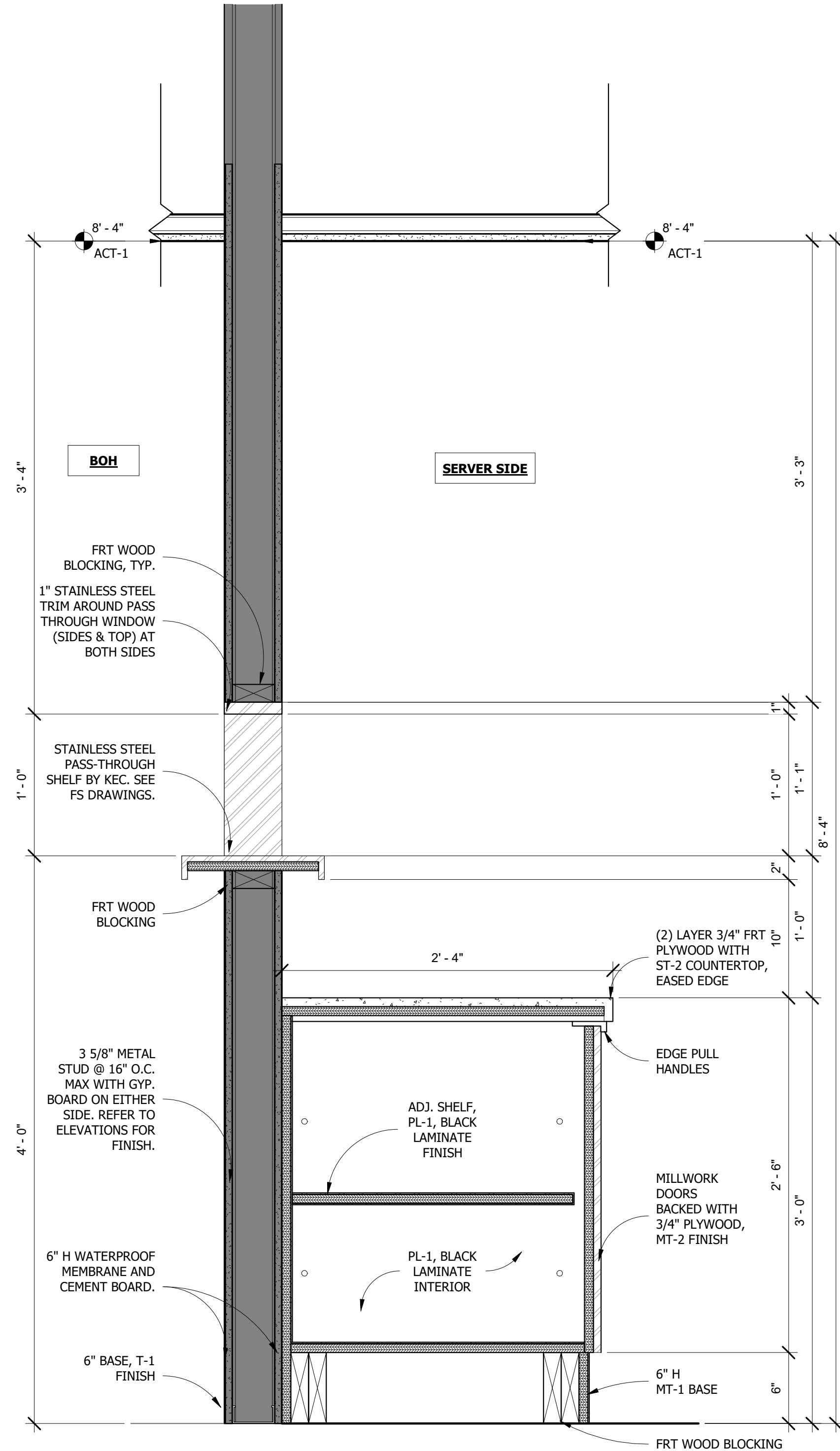
1 SECTION @ GRAB'N'GO COOLER
1 1/2" = 1'-0"



2 SECTION @ GRAB'N'GO POS
1 1/2" = 1'-0"



3 SECTION @ BANQUETTE
1 1/2" = 1'-0"



4 SECTION @ PASS-THROUGH
1 1/2" = 1'-0"

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3/24/2026

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CONCOURSE A, A.06, SPACE #CA2306

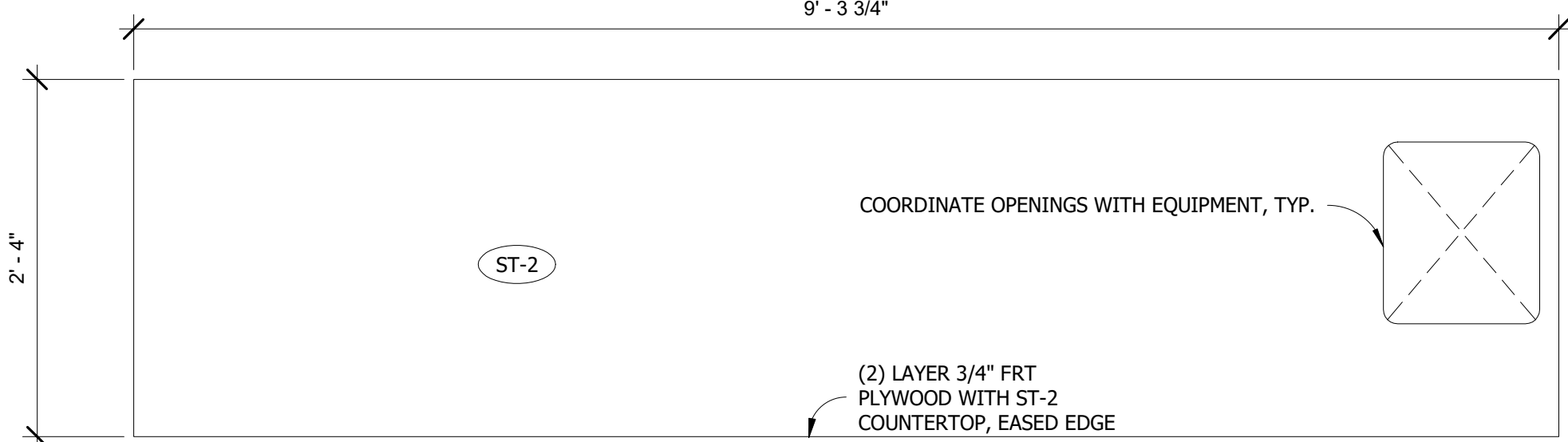
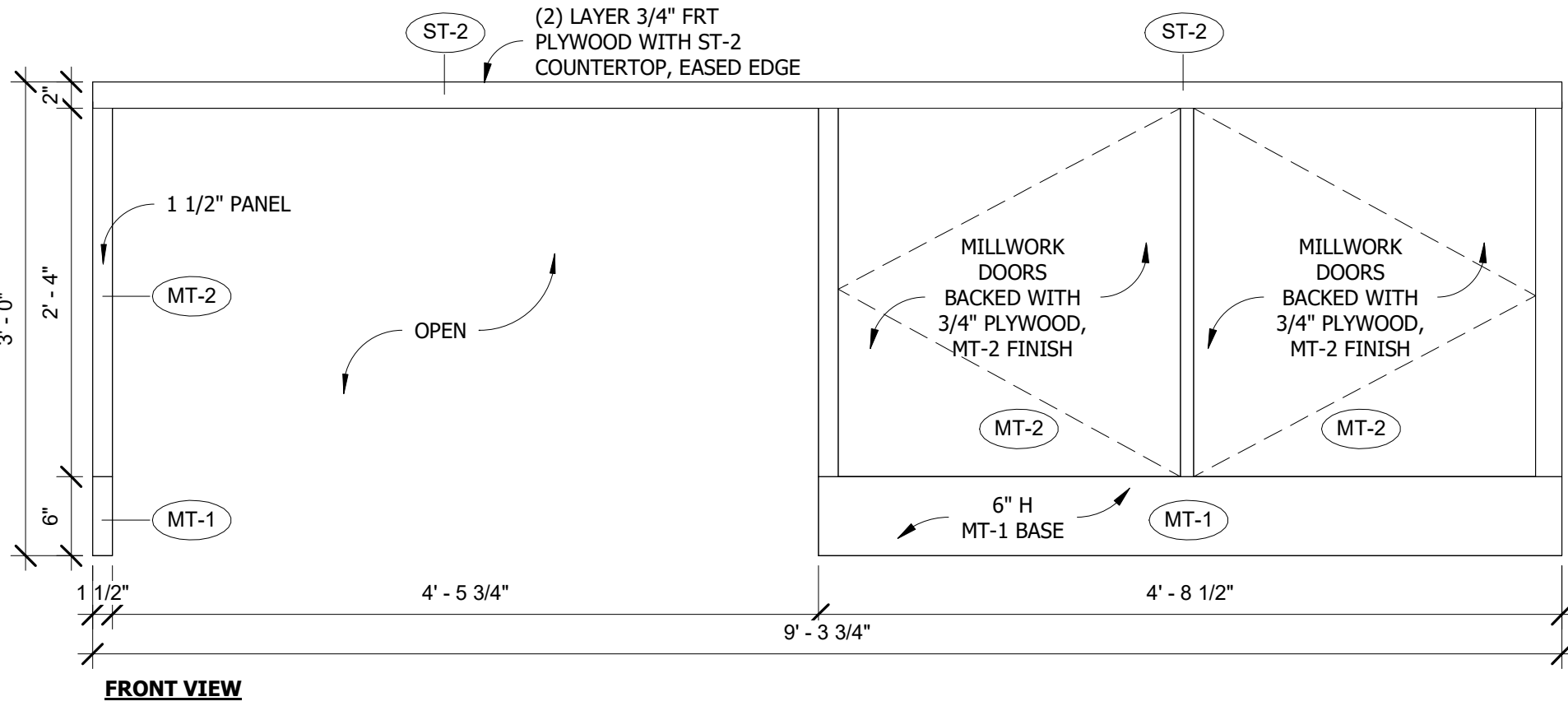
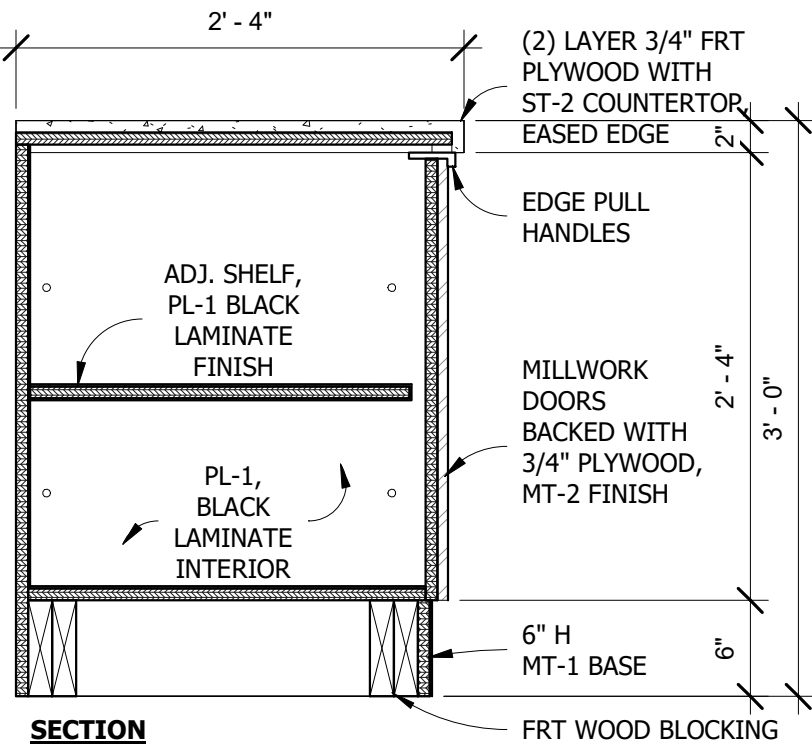
No.	Description	Date
100%	SUBMITTAL	03/24/2026

**DETAILS -
SECTIONS**

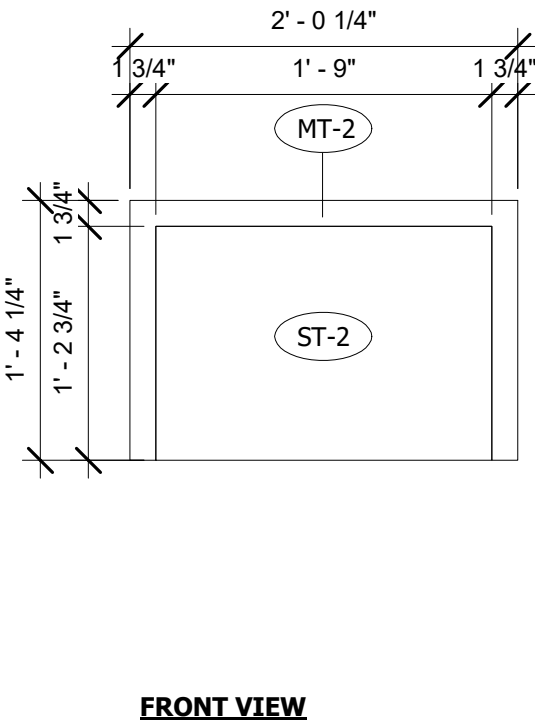
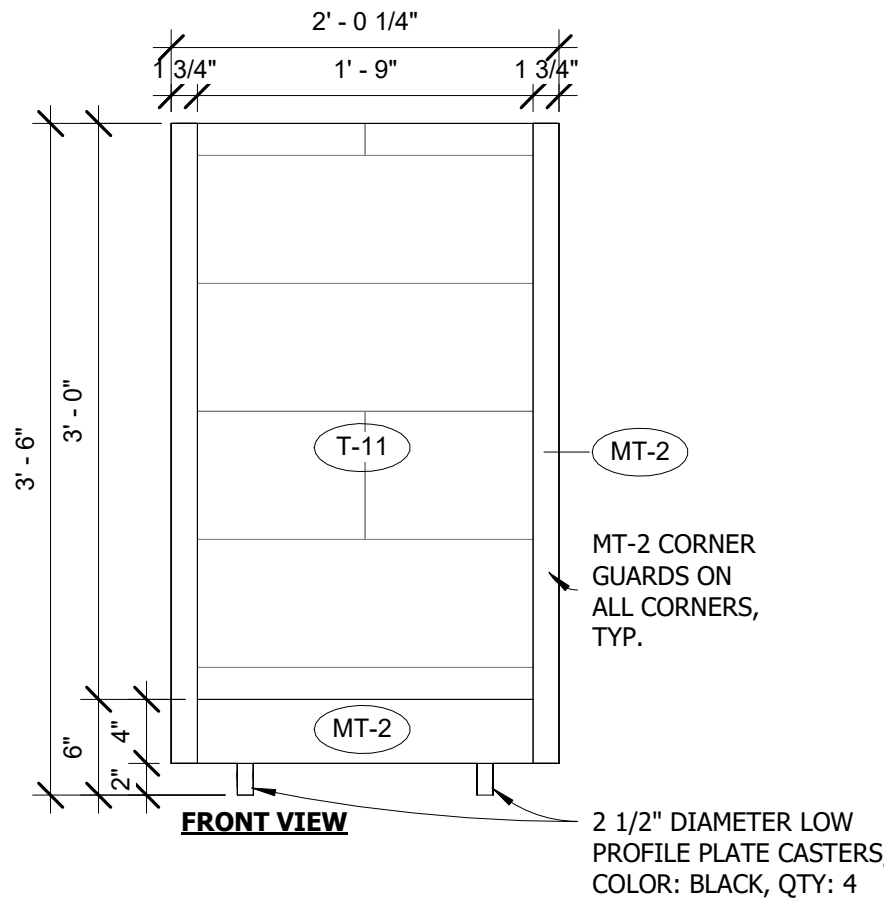
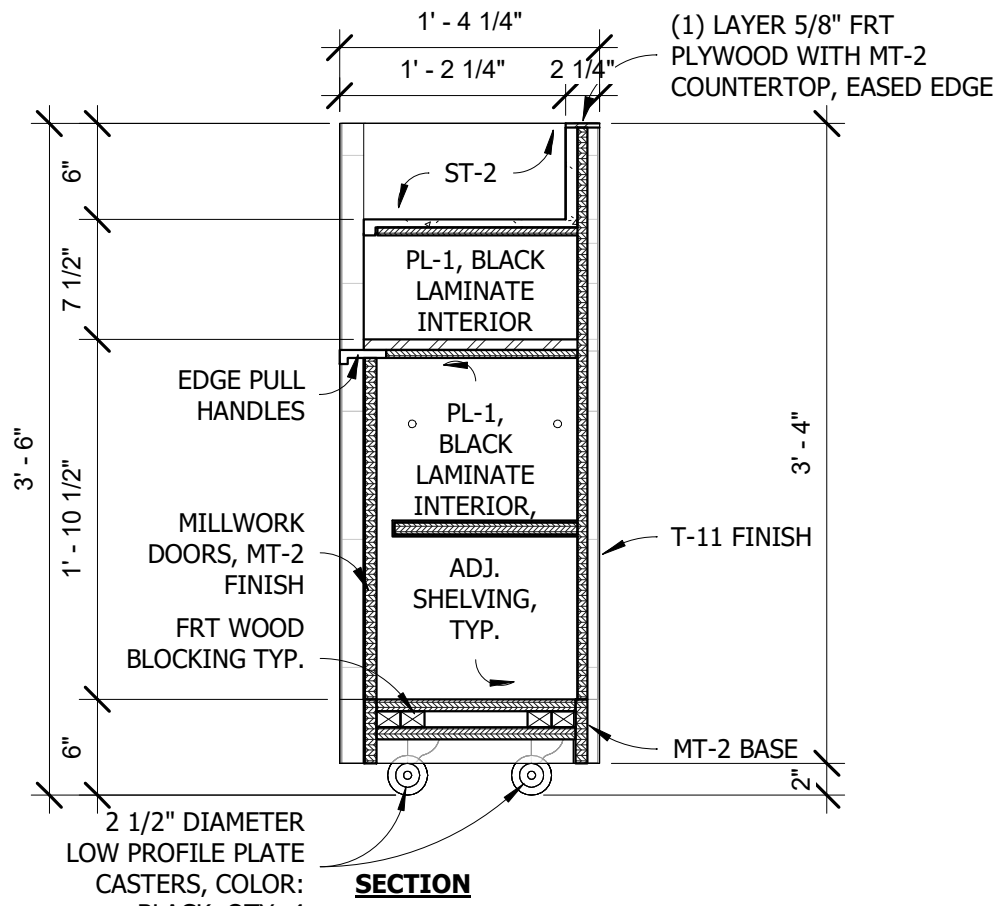
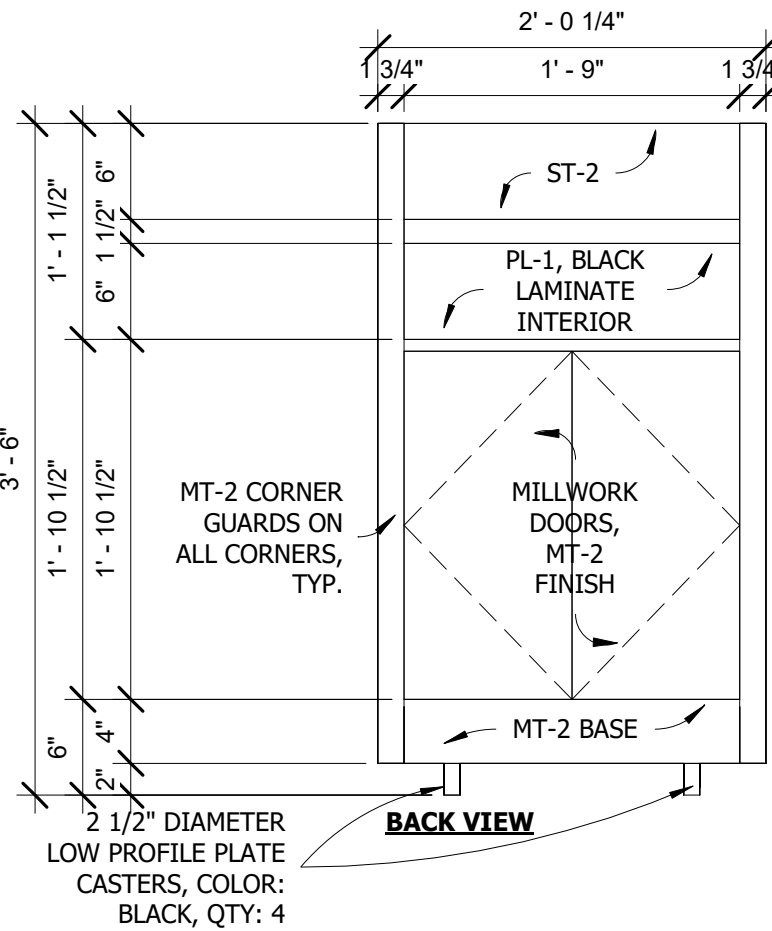
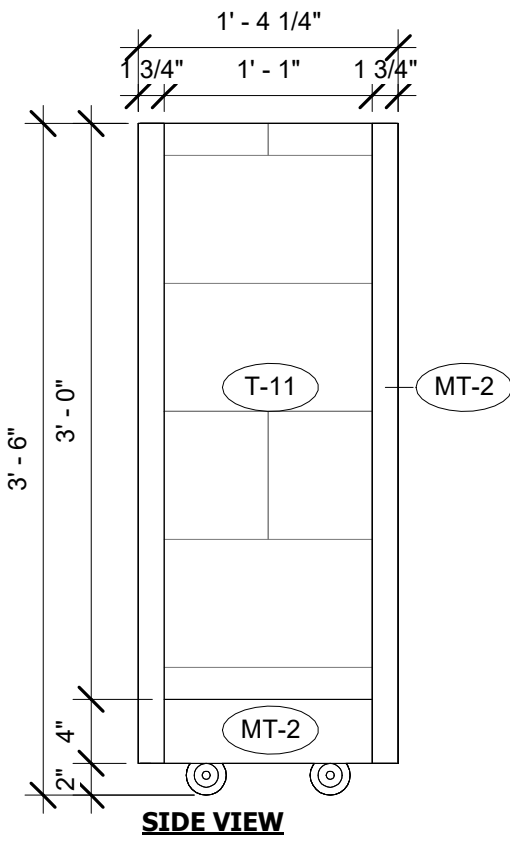
DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JR
Checked by	KG

A5.3

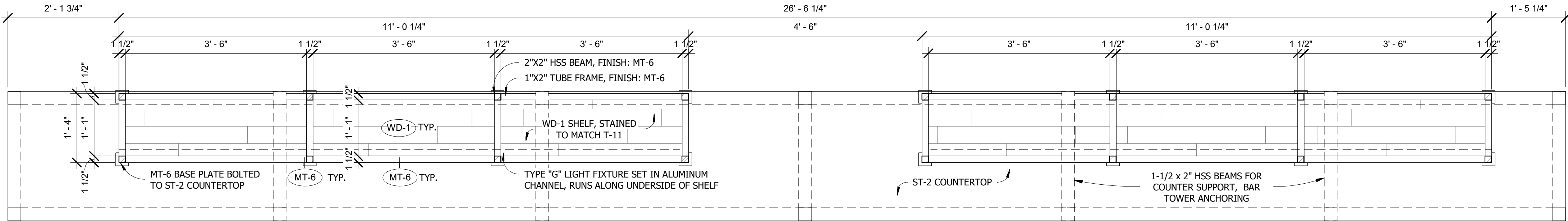
Scale 1 1/2" = 1'-0"



MW-2 EXPO COUNTER/SERVER STATION
1" = 1'-0"

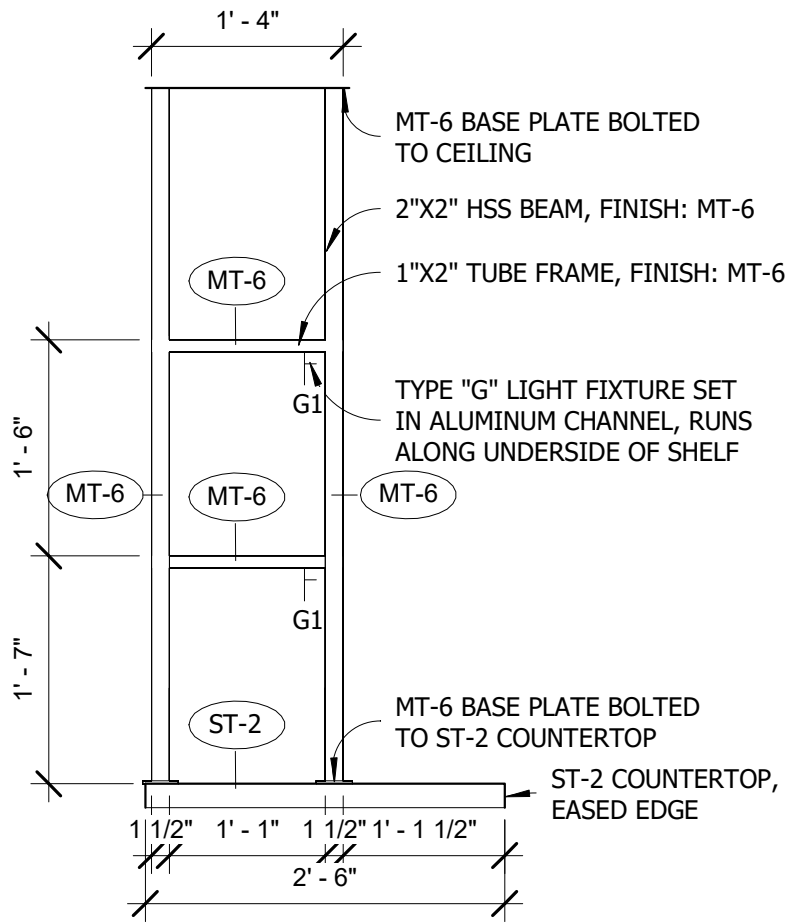


MW-6 HOST STAND
1" = 1'-0"



PLAN VIEW

MW-5 BACK BAR SHELVEING
3/4" = 1'-0"



SIDE VIEW

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3/24/2026



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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

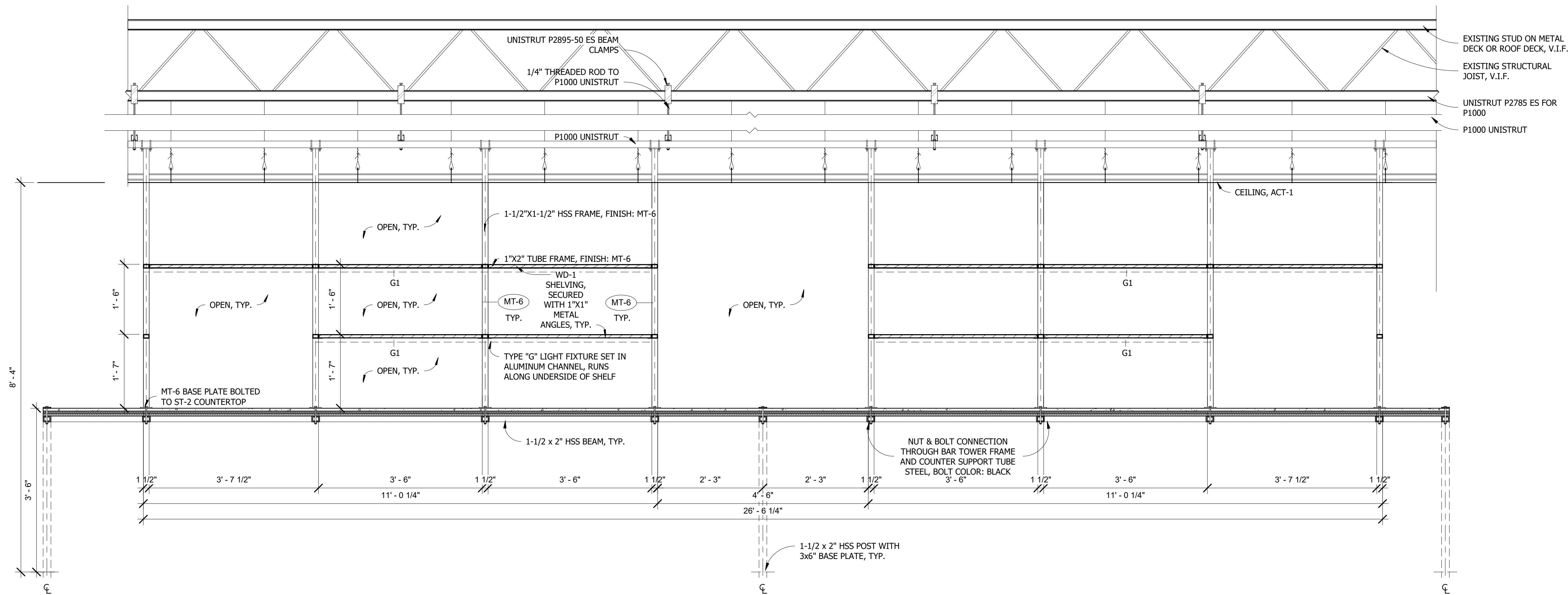
DETAILS -
MILLWORK

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JR
Checked by	KG

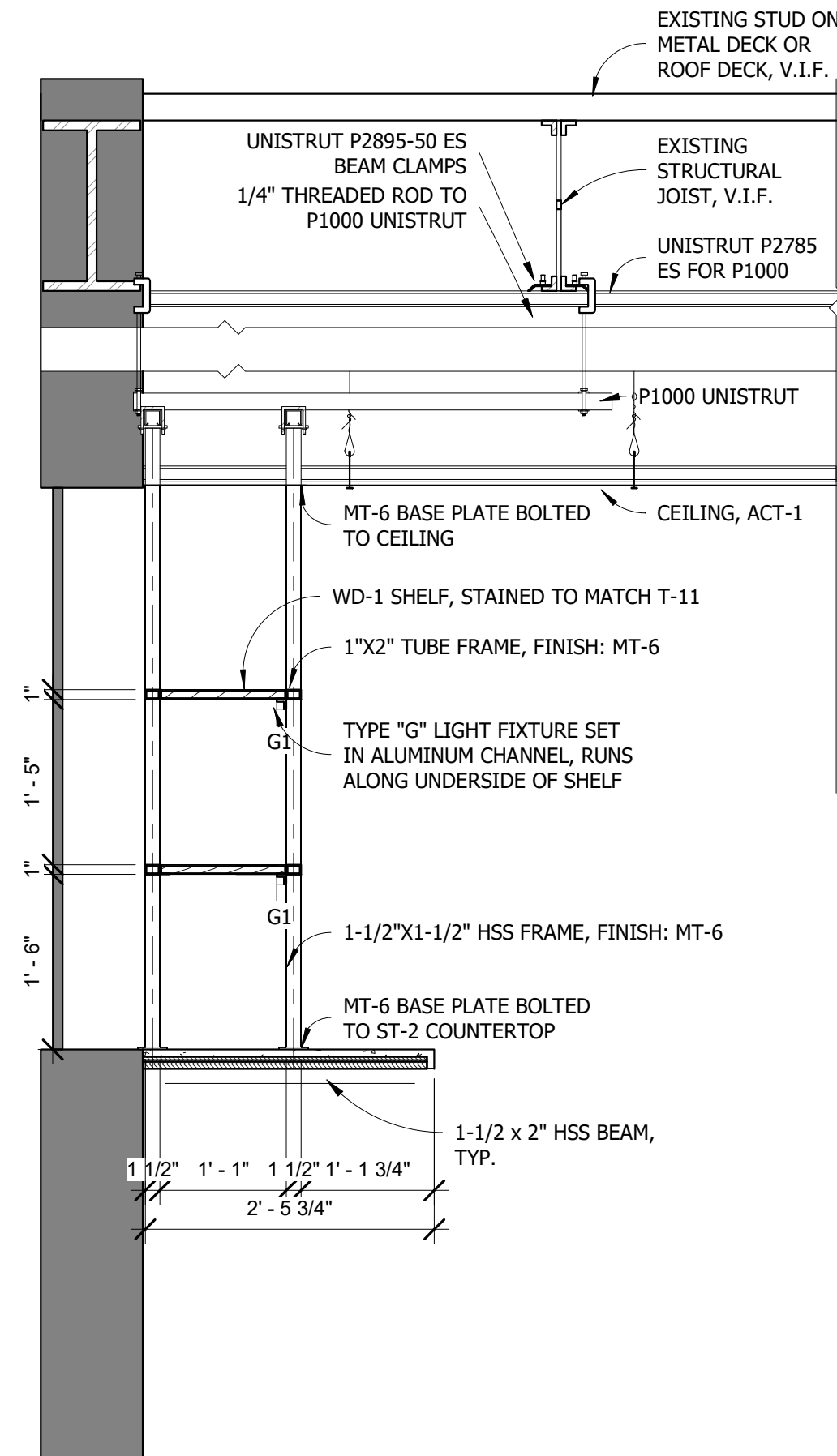
A5.5

Scale As indicated

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W-E SECTION



N-S SECTION

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MW-5 BACK BAR SHELIVING CONT.
3/4" = 1'-0"

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3/24/2026



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CONCOURSE A, A.06, SPACE #CA2306

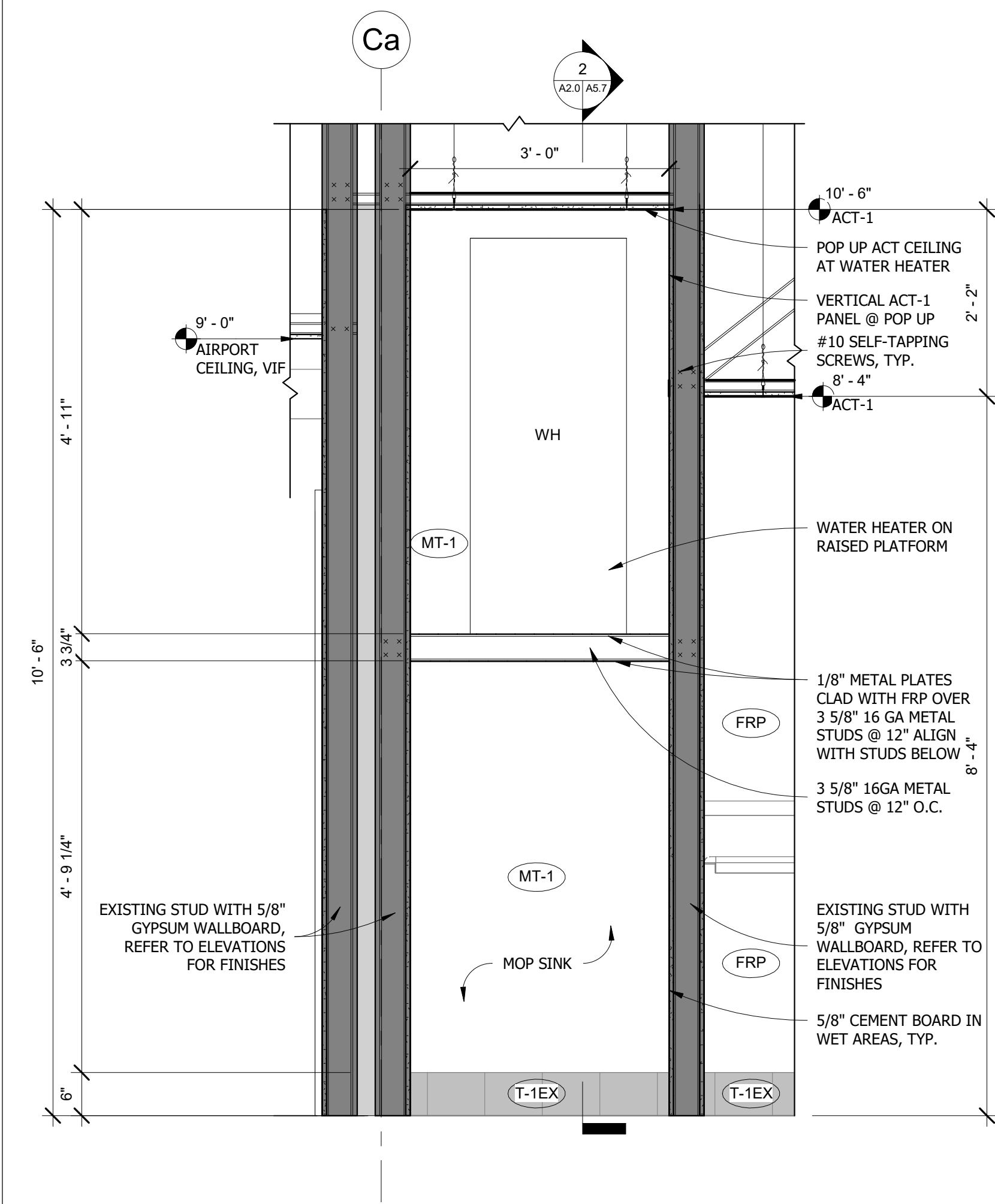
No.	Description	Date
100%	SUBMITTAL	03/24/2026

DETAILS - MILLWORK (BAR)

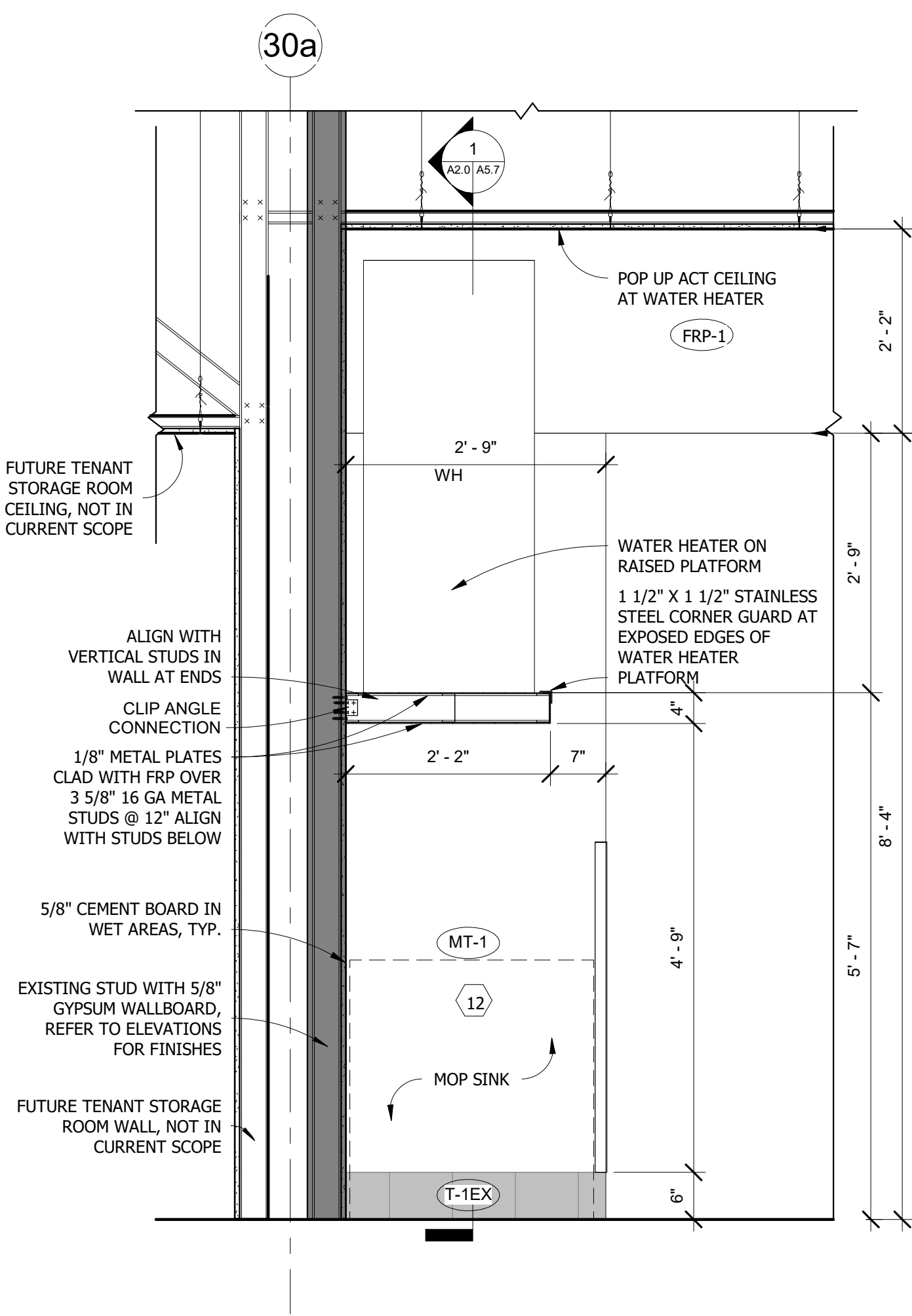
DOA Permit Number
Project number 2025-059
Date 03/24/2026
Drawn by JR
Checked by KG

A5.6

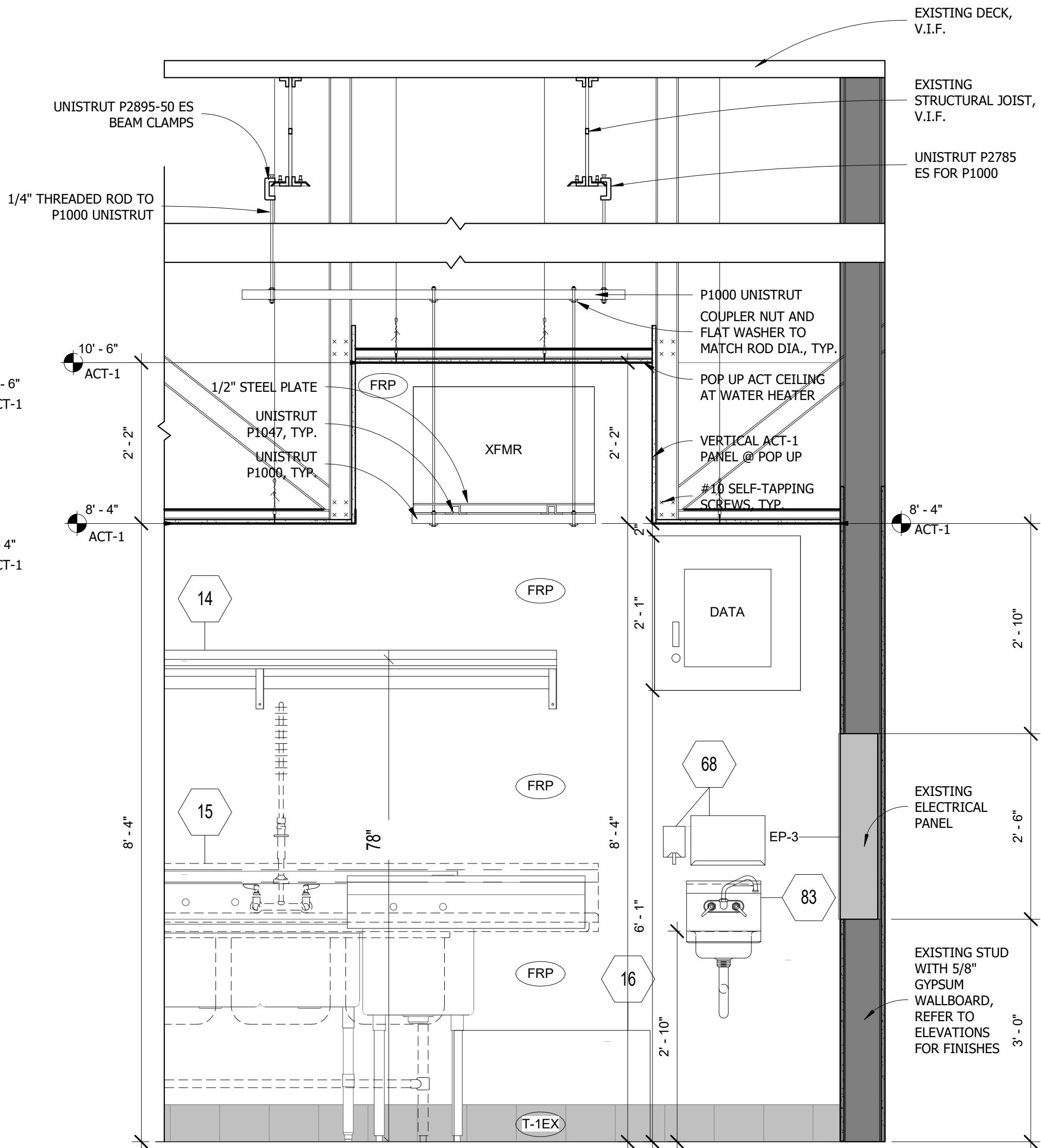
Scale 3/4" = 1'-0"



1 SECTION @ WATER HEATER N/S
3/4" = 1'-0"



2 SECTION @ WATER HEATER E/W
3/4" = 1'-0"



3 SECTION @ TRANSFORMER
3/4" = 1'-0"

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 AND MILLWORK.

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.

THE ABOVE DRAWINGS, SPECIFICATIONS, IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF SILHOUETTE DESIGN ARCHITECTURE, INC. NO PART THEREOF SHALL BE REPRODUCED OR DISCLOSED TO OTHERS, OR USED IN THE CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIED PROJECT FOR WHICH THEY HAVE BEEN PREPARED. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS: CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FORM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DRAWINGS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION. COPYRIGHT 2026 SILHOUETTE DESIGN ARCHITECTURE, INC.

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3/24/2026

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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
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DETAILS - BOH

DOA Permit Number
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A5.7

Scale 3/4" = 1'-0"

2.1 RACEWAYS

- ## 2.2 OUTLET BOXES

- ## 2.3 JUNCTION BOXES AND PULL BOXES

- ## 2.4 WIRE AND CABLE (600 V INSULATION)

- #### D. SPLICES AND TERMINATIONS

- E. MINIMUM WIRE SIZE SHALL BE #12 AWG

2.5 COLOR CODING

- ## 2.6 WIRE PULLING EQUIPMENT

- A. PROVIDE POLYETHYLENE CORDS FOR PULLING WIRE.
- B. PROVIDE PULLING WIRES FOR TELEPHONE AND OTHER EMPTY CONDUIT SYSTEMS REQUIRED, WITHOUT SPLICES AND WITH AMPLE EXPOSED LENGTHS AT EACH END.

2.7 WIRING DEVICES

- A. PROVIDE WIRING DEVICES BY SINGLE MANUFACTURER. CATALOG DESIGNATIONS OF ARROW-HART ARE SPECIFIED TO ESTABLISH STANDARDS OF QUALITY FOR MATERIALS AND PERFORMANCE. DEVICE COLORS SHALL BE AS COORDINATED WITH THE OWNER.
- B. TOGGLE SWITCHES:
1. SINGLE-POLE SHALL BE NO. 1991, 20A., 120-277 V AC.
 2. THREE-WAY SHALL BE NO. 1993, 20A., 120-277 V AC.
 3. LINEAR SLIDE DIMMER SWITCH, LUTRON NOVA SERIES, SUITABLE FOR LAMP TYPE CONTROLLED AND VOLTAGE.
- C. RECEPTACLES:
1. DUPLEX SHALL BE NO. 5739, 125 V, 20 A, 2-POLE, 3 W, GROUNDING.
 2. HEAVY DUTY RECEPTACLES SHALL BE SIZED AS REQUIRED FOR INTENDED SERVICE.
 3. PROVIDE GROUND FAULT INTERCEPT RECEPTACLES WHERE INDICATED.
 4. 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 GFI TYPE. GFI 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.

2.8 WIRING DEVICE PLATES

- A. PROVIDE STEEL DEVICE WALL PLATES. COORDINATE COLOR WITH ARCHITECT.
- B. NAMEPLATE DESIGNATIONS FOR DEVICE PLATES SHALL BE VIA PERMANENT STICKER ON PLATES SHOWING CIRCUIT DESIGNATIONS.
- C. PROVIDE STEEL DEVICE WALL PLATES FOR TELEPHONE/DATA DEVICES. COORDINATE WALL PLATE WITH TELEPHONE/DATA OUTLET INSERT.
- D. DEVICE PLATES SHALL BE BY MANUFACTURER OF WIRING DEVICES.
- E. RECEPTACLE DEVICE PLATES FOR CIRCUITS OTHER THAN 120V, 2-WIRE, SHALL BE ENGRAVED WITH 1/4" LETTERS, FILLED RED, INDICATING VOLTAGE CHARACTERISTICS AND CIRCUIT NUMBER OF OUTLET.
- F. OUTLETS SHALL BE FLUSH TO SURFACE.

2.9 LIGHTING FIXTURES

- A. INSTALL LIGHTING FIXTURES, EQUIPMENT AND COMPONENTS WHERE SHOWN ON DRAWINGS, AS LISTED IN FIXTURE SCHEDULES AND AS SPECIFIED, WIRED AND ASSEMBLED. PROVIDE APPROVED ALIGNER CANOPIES, HANGERS AND OTHER APPURTENANCES AS REQUIRED.
- B. INCANDESCENT AND TUNGSTEN HALOGEN LAMPS SHALL NOT BE OPERATED, OTHER THAN FOR INITIAL TESTING, BEFORE FINAL INSPECTION.
- D. CONCEALED FLEXIBLE WIRE WHIPS FOR LIGHT FIXTURES ARE NOT TO EXCEED 6 FEET IN LENGTH. IT IS NOT PERMISSIBLE TO DAISY CHAIN LIGHT FIXTURES.

2.10 PANELBOARDS

- A. PANELBOARDS SHALL BE FULLY RATED AND LABELED WITH A UL SHORT CIRCUIT WITHSTAND RATING.
- B. INTERIORS SHALL BE COMPLETELY FACTORY ASSEMBLED WITH BOLT-ON DEVICES.
- C. PROVIDE COMPLETE WITH HINGED DOOR COVERING. ALL CIRCUIT BREAKER HANDLES AND SEMI-FLUSH CYLINDER LOCK WITH CATCH ASSEMBLY.
- D. MAIN BUS BARS SHALL BE 100% COPPER SIZED IN ACCORDANCE WITH UL STANDARDS TO LIMIT TEMPERATURE RISE ON ANY CURRENT CARRYING PART TO A MAXIMUM 65°C ABOVE AN AMBIENT OF 40° MAXIMUM.
- E. PROVIDE BOLTED GROUND COPPER BAR AND FULL SIZE NEUTRALS, UNLESS NOTED OTHERWISE.
- F. ENCLOSURE SHALL BE AT LEAST 20 INCHES WIDE, MADE OF GALVANIZED STEEL. PROVIDE MINIMUM GUTTER SPACE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- G. PROVIDE ENGRAVED NAMEPLATE FOR EACH PANEL SECTION.
- H. SURFACES OF THE TRIM ASSEMBLY SHALL BE PROPERLY CLEANED, PRIMED, AND A FINISH COAT OF GRAY ANSI 61 PAINT APPLIED.

2.11 CIRCUIT BREAKERS

- A. PROTECTIVE DEVICES SHALL BE MOLDED CASE CIRCUIT BREAKERS PROVIDING COMPLETE CIRCUIT OVER CURRENT PROTECTION BY HAVING INVERSE TIME AND INSTANTANEOUS TRIPPING CHARACTERISTICS.
- B. CIRCUIT BREAKERS SHALL BE OPERATED BY A TOGGLE TYPE HANDLE AND SHALL HAVE A QUICK MAKE, QUICK BREAK OVER CENTER SWITCHING MECHANISM THAT IS MECHANICALLY TRIP FREE.
- C. AUTOMATIC TRIPPING OF THE BREAKER SHALL BE CLEARLY INDICATED BY THE HANDLE POSITION.
- D. PROVIDE HACR RATED CIRCUIT BREAKERS FOR MOTOR CIRCUIT PROTECTION AS INDICATED ON THE DRAWINGS.
- E. MINIMUM BREAKER SIZE IS 20 AMP UNLESS SPECIFICALLY REQUIRED BY THE MANUFACTURER TO BE LOWER.

2.12 TRANSFORMERS

- A. PROVIDE DRY TYPE TRANSFORMERS AS SHOWN ON DRAWINGS, UNLESS SPECIFIED OTHERWISE, DESIGN, MANUFACTURE AND TESTING OF TRANSFORMERS SHALL MEET REQUIREMENTS OF NEMA NO. ST 20 AND STANDARDS.
- B. TRANSFORMERS SHALL HAVE SEPARATE PRIMARY AND SECONDARY WINDINGS FOR EACH PHASE; EXCEPT THAT THREE PHASE TRANSFORMERS RATED 15 KVA OR LESS MAY HAVE SEPARATE TEE CONNECTED WINDINGS, PRIMARY WINDING OF TRANSFORMERS RATED 15 KVA OR LESS SHALL HAVE AT LEAST TWO TAPS, EACH PROVIDING 5% INCREMENT BELOW RATED VOLTAGE, EACH PRIMARY WINDING OF TRANSFORMER LARGER THAN 15 KVA SHALL HAVE FOUR OR SIX T TAPS, TWO OF WHICH SHALL PROVIDE 2-1/2% INCREMENTS ABOVE FULL RATED VOLTAGE AND TWO OR FOUR OF WHICH SHALL PROVIDE 2-1/2% INCREMENTS BELOW FULL RATED VOLTAGE.
- C. TRANSFORMER (S) SHALL BE ENERGY EFFICIENT 115 DEGREE RISE.
- D. PROVIDE SUITABLE TERMINAL COMPARTMENT TO ACCOMMODATE REQUIRED PRIMARY AND SECONDARY WIRING CONNECTIONS AND SIDE OR BOTTOM CONDUIT ENTRANCE. TERMINAL COMPARTMENT TEMPERATURE SHALL NOT EXCEED 75 DEGREES C WHEN TRANSFORMER IS OPERATING AT RATED LOAD WITH AMBIENT TEMPERATURE OF 40 DEGREES C. TERMINALS FOR WIRING SHALL BE SUITABLE FOR COPPER OR ALUMINUM WIRING.
- E. TRANSFORMERS SHALL BE AIR-COOLED, THREE PHASE TRANSFORMERS LARGER THAN 15 KVA SHALL BE FULLY ENCLOSED IN STEEL ENCLOSURES. SMALLER TRANSFORMERS SHALL BE FULLY ENCLOSED IN STEEL ENCLOSURES, WITH OR WITHOUT COMPOUND FILT, OR SHALL HAVE EXPOSED CORES, IMPREGNATED WINDINGS, AND STEEL ENCLOSURES FOR LIVE PARTS.
- F. SOUND LEVELS DETERMINED BY NEMA STANDARDS, SHALL NOT EXCEED 45 DB FOR TRANSFORMERS LESS THAN 50 KVA AND 50 DB FOR TRANSFORMERS OVER 50, BUT NOT OVER 150 KVA.

PART 3 - EXECUTION

3.1 MATERIALS AND WORKMANSHIP

- A. WORK SHALL BE EXECUTED IN WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR AND MECHANICAL APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEADROOM AT ALL TIMES. DO NOT RUN PIPES AND DUCTS EXPOSED UNLESS SHOWN EXPOSED ON DRAWINGS. MATERIAL AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDED BEST PRACTICE SO THAT COMPLETED INSTALLATION SHALL OPERATE SAFELY AND EFFICIENTLY.
 - B. ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
- CONTINUITY OF SERVICES
- A. DO NOT INTERRUPT EXISTING SERVICES WITHOUT AIRPORT AUTHORITIES APPROVAL.
 - B. UTILITIES OUTAGES REQUIRE 72 HOURS NOTICE TO THE AIRPORT ENGINEERING DIVISION.
- TESTING, INSPECTION AND CLEANING
- A. TEST WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDS BEFORE FIXTURES ARE CONNECTED; DEMONSTRATE INSULATION RESISTANCE BY MEGGER TEST AS REQUIRED.
 - B. TEST LIGHTING FIXTURES WITH SPECIFIED LAMPS IN PLACE FOR 10 HOURS; CHECK FIXTURES IN SECTIONS. DO NOT OPERATE LAMPS OTHER THAN FOR TESTING BEFORE FINAL INSPECTION BY OWNER. REPLACE LAMPS THAT FAIL WITHIN 90 DAYS AFTER ACCEPTANCE BY OWNER WITHIN CONTRACT PRICE.
 - C. FAILURE OR DEFECTS IN WORKSMANSHIP OR MATERIALS REVEALED BY TESTS OR INSPECTION SHALL BE CORRECTED PROMPTLY AND RETESTED. REPLACE DEFECTIVE MATERIAL.
 - D. CLEAN PANELS AND OTHER EQUIPMENT. PANELBOARD INTERIORS SHALL BE CLEANED AND VACUUMED. EQUIPMENT WITH DAMAGE TO PAINTED FINISH SHALL BE REPAIRED TO OWNER'S SATISFACTION.
 - E. TORQUE REPORTS ARE REQUIRED ON ALL ELECTRICAL PANEL TERMINATIONS.
 - F. EQUIPMENT

1.

- H. THE SERVICE LOAD SHALL BE BALANCED WITHIN 10% OF THE FEEDER CAPACITY.

3.4 NAMEPLATES

- A. PROVIDE NAMEPLATES IN OR ON PANELBOARDS, JUNCTION BOXES AND CABINETS, AND FOR SPECIAL PURPOSE SWITCHES OR OTHER CONTROLS FURNISHED OR INSTALLED UNDER THIS SECTION. NAMEPLATES SHALL DESIGNATE EQUIPMENT CONTROLLED AND FUNCTION.
- B. NAMEPLATES SHALL BE LAMINATED BLACK BAKELITE WITH 1/4" HIGH WHITE RECESSED LETTERS. NAMEPLATES SHALL BE SECURELY ATTACHED TO THE EQUIPMENT WITH GALVANIZED SCREWS, ADHESIVES OR CEMENTS SHALL NOT BE USED.
- C. ALL TRANSFORMER, ELECTRICAL PANELS, DISCONNECTS, ETC. SHALL BE LABELED WITH A PERMANENT MACARTA TYPE LABEL.

3.5 WIRING METHODS

- A. INSTALL WIRE AND CABLE IN APPROVED RACEWAYS AS SPECIFIED AND AS APPROVED BY AUTHORITIES THAT HAVE JURISDICTION. SURFACE METAL RACEWAYS SHALL NOT BE USED UNLESS EXPLICITLY SPECIFIED AND SHOWN ON DRAWINGS. DO NOT USE SURFACE RACEWAYS ON FLOOR. DO NOT USE ARMORED CABLE EXCEPT AS APPROVED BY LOCAL CODE FOR LIGHTING AND RECEPTACLE CIRCUITS IN SUSPENDED CEILINGS AND STUD-WALL PARTITIONS.
- B. WIRE FROM POINT OF SERVICE CONNECTION TO RECEPTABLES, LIGHTING FIXTURES, DEVICES, EQUIPMENT, OUTLETS FOR FUTURE EXTENSION, AND OTHER ELECTRICAL APPARATUS AS SHOWN ON DRAWINGS. PROVIDE SLACK WIRE FOR CONNECTIONS. TAPE ENDS OF WIRES AND PROVIDE BLANK COVERS FOR OUTLET BOXES DESIGNATED FOR FUTURE USE.
- C. FOLLOW HOMERUN CIRCUIT NUMBERS SHOWN ON DRAWINGS TO CONNECT CIRCUITS TO PANELBOARDS. WHERE HOMERUN CIRCUIT NUMBERS ARE NOT SHOWN ON DRAWINGS, DIVIDE SIMILAR TYPES OF UNCONNECTED RACEWAYS AMONG PHASES SO THAT CURRENTS ARE APPROXIMATELY EQUAL IN NORMAL USE. CONNECT EACH BRANCH CIRCUIT HOMERUN WITH TWO OR MORE CIRCUITS AND COMMON NEUTRAL TO CIRCUIT BREAKER OR SWITCH IN THREE-WIRE OR FOUR-WIRE BRANCH CIRCUIT PANELBOARD SO THAT NO TWO CIRCUITS ARE FED FROM SAME BUS. WHERE PANELBOARD CABINETS ARE RECESSED, PROVIDE CONDUITS WITH SUFFICIENT CAPACITY FOR FUTURE CONDUCTORS FOR SPARE BRANCH CIRCUIT CIRCUIT PROTECTIVE DEVICES AND SPACES IN PANELBOARD; STUB UP CONCEALED TO JUNCTION BOX. PROVIDE EXTENSIONS ABOVE CEILING.
- D. ELECTRICAL METALLIC TUBING MAY BE USED GENERALLY FOR INDOOR, IF APPROVED BY LOCAL CODES, FOR LIGHTING FIXTURE AND RECEPTACLE CIRCUITS, TELEPHONE, INTERCOMMUNICATIONS, SIGNAL AND INSTRUMENTATION CIRCUITS, & FOR CONTROL CIRCUITS. EMT MAY BE USED GENERALLY, IF APPROVED BY AUTHORITIES, IN MASONRY WALLS, ABOVE HUNG CEILINGS, IN EQUIPMENT ROOMS, IN MECHANICAL AND ELECTRICAL CHASES AND CLOSETS, IN EXPOSED LOCATIONS ALONG CEILINGS OR WALLS ABOVE NORMAL TRAFFIC LEVEL AND WHERE NOT SUBJECT TO ACCIDENTAL DAMAGE OR ABUSE.
- E. INSTALL CONNECTORS AND COUPLINGS AS RECOMMENDED BY MANUFACTURERS. COMPRESSION FITTINGS SHALL NOT BE USED WITH RIGID STEEL OR INTERMEDIATE METALLIC.
- F. PROVIDE FLEXIBLE CONDUITS FOR CONNECTIONS TO ELECTRICAL EQUIPMENT AND TO EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR THAT ARE SUBJECT TO MOVEMENT, VIBRATION OR MISALIGNMENT; WHERE AVAILABLE SPACE DICTATES; AND WHERE NOISE TRANSMISSION MUST BE ELIMINATED OR REDUCED. FLEXIBLE CONDUIT LIMITED TO 6' UNLESS OTHERWISE STATED IN THE CURRENT D.M. FLEXIBLE CONDUIT SHALL BE LIQUID-TIGHT UNDER FOLLOWING CONDITIONS:
 - 1. MOISTURE OR HUMIDITY-LADEN ATMOSPHERE.
 - 2. CORROSIVE ATMOSPHERES
 - 3. WHERE WASH-DOWN OPERATIONS ARE POSSIBLE
 - 4. WHERE SEEPAGE OR DRIPPING OF OIL, GREASE OR WATER IS POSSIBLE.

- G. RUN CONCEALED CONDUIT IN AS DIRECT LINES AS POSSIBLE WITH MINIMUM NUMBER OF BENDS OF LONGEST POSSIBLE RADIUS. RUN EXPOSED CONDUIT AND EMT PARALLEL TO OR AT RIGHT ANGLES TO BUILDING LINES. ENDS SHALL BE FREE FROM DENTS OR FLATTENING.
- H. CONDUIT AND EMT RUNS SHALL BE MECHANICALLY AND ELECTRICALLY CONTINUOUS FROM SERVICE ENTRANCE TO OUTLETS. CONDUIT SHALL ENTER AND BE SECURED TO CABINET, JUNCTION BOX, PULL BOX OR OUTLET BOX WITH LOCKNUT OUTSIDE AND BUSHING INSIDE, OR WITH LIQUID-TIGHT, THREADED, SELF-LOCKING, COLD-WELD WEDGE ADAPTER, PROVIDE ADDITIONAL WRENCH-TIGHTEN LOCKNUT FOR EMT OR FLEXIBLE CONDUIT WHERE CIRCUIT VOLTAGE EXCEEDS 250 V. LOCKNUTS AND BUSHINGS OR SELF-LOCKING ADAPTERS WILL NOT BE REQUIRED WHERE CONDUITS ARE SCREWED INTO TAPPED CONNECTIONS. VERTICAL CONDUIT RUNS THAT TERMINATE IN BOTTOMS OF WALL BOXES OR CABINETS SHALL BE PROTECTED FROM ENTRANCE OF FOREIGN MATERIAL BEFORE INSTALLATION OF CONDUCTORS.
- I. SIZE CONDUIT AND FLEXIBLE METALLIC CONDUIT AS REQUIRED BY NEC EXCEPT AS SPECIFIED OR SHOWN ON DRAWINGS.
- J. CHECK RACEWAY SIZES TO DETERMINE THAT GREEN EQUIPMENT GROUND CONDUCTOR FITS IN SAME RACEWAY WITH PHASE AND NEUTRAL CONDUCTORS TO MEET NEC PERCENTAGE OF FILL REQUIREMENTS. INCREASE DUCT, CONDUIT, TUBING AND RACEWAY SIZES SHOWN OR SPECIFIED AS REQUIRED TO ACCOMMODATE CONDUCTORS.
- K. UNLESS SPECIFIED OR SHOWN ON DRAWINGS OTHERWISE, INSTALL CONDUIT AND EMT CONCEALED. UNLESS SPECIFIED OR SHOWN OTHERWISE, CONDUIT MAY BE RUN EXPOSED ON UNFINISHED WALLS AND UNFURRED BASEMENT CEILINGS AND IN UNFINISHED PENTHOUSES, ATTICS AND ROOF SPACES. PROVIDE STAND-OFF CLIPS FOR CONDUITS ON EXTERIOR MASONRY WALLS.

- 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 SUSPENDED 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 WHEN 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 TO AIRPORT AUTHORITY 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. REPROGRAMMING OF FIRE ALARM SYSTEM (EDWARDS FIREWORKS) TO BE CONDUCTED BY CONVERGINT TECHNOLOGIES.
- 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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MEP CONSULTANT:
AGILE ENGINEERING, INC.
JOHN SYLVIA, PE
4277 PARK GREEN CT
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T. (321) 947-2506



03/24/2026



NORFOLK INTERNATIONAL AIRPORT
2200 NORVIEW AVE
NORFOLK, VA 23518
CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

ELECTRICAL SPECIFICATIONS

JOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

E0.2

Scale	1/4" = 1'-0"
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SECTION 270500 – COMMON WORK RESULTS FOR COMMUNICATION SYSTEMS

PART 1 – GENERAL

1.6 CONTRACTOR QUALIFICATIONS

B. INSTALLER QUALIFICATIONS: CABLING INSTALLER MUST HAVE PERSONNEL CERTIFIED BY BISCI ON STAFF.

2. INSTALLATION SUPERVISION: INSTALLATION SHALL BE UNDER THE DIRECT SUPERVISION OF REGISTERED TECHNICIAN, OR LEVEL 2 INSTALLER OR PERSON WHO IS MANUFACTURER (FACTORY) CERTIFIED WITH A MINIMUM OF SEVEN YEARS OF FIELD EXPERIENCE AND, WHO SHALL BE PRESENT AT ALL TIMES WHEN WORK OF THIS SECTION IS PERFORMED AT PROJECT SITE.

3. TESTING SUPERVISOR: CURRENTLY CERTIFIED BY BISCI AS AN RCDD OR MANUFACTURER (FACTORY) CERTIFIED TO SUPERVISE ON-SITE TESTING, WITH A MINIMUM OF TEN YEARS OF FIELD EXPERIENCE, TO PERFORM THE ON-SITE TESTING.

4. INSTALLER: FIFTY PERCENT OR MORE OF FIELD INSTALLATION PERSONNEL SHALL BE BISCI OR MANUFACTURER (FACTORY) CERTIFIED WITH A MINIMUM OF THREE YEARS OF FIELD EXPERIENCE.

1.11 DEMOLITION

B. CONTINUITY OF EXISTING SERVICES

1. NO OUTAGES SHALL BE PERMITTED ON EXISTING SYSTEMS EXCEPT AT THE TIME AND DURING THE INTERVAL SPECIFIED BY AND COORDINATED WITH THE OWNER.

C. PRIOR TO DEMOLITION OR ALTERATION OF STRUCTURES, THE FOLLOWING SHALL BE ACCOMPLISHED:

5. DEMOLITION AND EXTENSION OF EXISTING WORK

D. REMOVE ABANDONED LOW VOLTAGE CABLING AND RACEWAY TO SOURCE OF CABLING ACCORDING TO THE NEC.

E. REMOVE EXPOSED ABANDONED RACEWAY, INCLUDING ABANDONED RACEWAY ABOVE ACCESSIBLE CEILING FINISHES.

I. MAINTAIN ACCESS TO EXISTING TECHNOLOGY SPACES AND EQUIPMENT THAT REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANELS AS APPROPRIATE.

SECTION 270528 – PATHWAYS FOR COMMUNICATION SYSTEMS

PART 3 – EXECUTION

3.2 INSTALLATION

A. COMPLY WITH NECA 1, NECA 101, AND TIA-569–C FOR INSTALLATION REQUIREMENTS.

F. INSTALL WITH A MAXIMUM OF 180–DEGREES IN BENDS FOR EACH LENGTH OF PATHWAY RUN.

G. CONCEAL CONDUIT AND EMT WITHIN FINISHED WALLS, CEILINGS, AND FLOORS UNLESS OTHERWISE INDICATED. INSTALL CONDUITS PARALLEL OR PERPENDICULAR TO BUILDING LINES.

N. INSTALL PATHWAYS SQUARE TO THE ENCLOSURE AND TERMINATE AT ENCLOSURES WITH LOCKNUTS. INSTALL LOCKNUTS HAND TIGHT PLUS 1/4 TURN MORE.

R. PATHWAYS FOR OPTICAL–FIBER AND COMMUNICATIONS CABLE: INSTALL PATHWAYS, AS FOLLOWS:

1. 1–INCH TRADE SIZE AND LARGER: INSTALL PATHWAYS IN MAXIMUM LENGTHS OF 75 FEET.

2. INSTALL WITH A MAXIMUM OF 180 DEGREES IN BENDS FOR EACH LENGTH OF PATHWAY UNLESS DRAWINGS SHOW STRICTER REQUIREMENTS. SEPARATE LENGTHS WITH PULL OR JUNCTION BOXES OR TERMINATIONS AT DISTRIBUTION FRAMES OR CABINETS WHERE NECESSARY TO COMPLY WITH THESE REQUIREMENTS.

3. PROVIDE FIBER AND COPPER WITHIN A 2 INCH, 3 CELL MAXCELL INNERDUCT RATED FOR THE INSTALLATION APPLICATION (GENERAL, RISER OR PLENUM).

THE ABOVE DRAWINGS, SPECIFICATIONS, IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED THEREBY ARE AND SHALL REMAIN THE PROPERTY OF SILHOUETTE DESIGN ARCHITECTURE, INC. NO PART THEREOF SHALL BE REPRODUCED OR DISCLOSED TO OTHERS, OR USED IN THE CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIED PROJECT FOR WHICH THEY HAVE BEEN PREPARED. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS: CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FORM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS. SHOP DRAWINGS MUST BE SUBMITTED TO THIS OFFICE FOR REVIEW BEFORE PROCEEDING WITH FABRICATION. COPYRIGHT 2026 SILHOUETTE DESIGN ARCHITECTURE, INC.

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COMMONWEALTH OF VIRGINIA

John J. Sylvia III
Lic. No. 055287

PROFESSIONAL ENGINEER

03/24/2026

WARRIORS

TAPHOUSE

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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

ELECTRICAL
SPECIFICATIONS

DOA Permit Number

Project number2025-059

Date03/24/2026

Drawn byJP

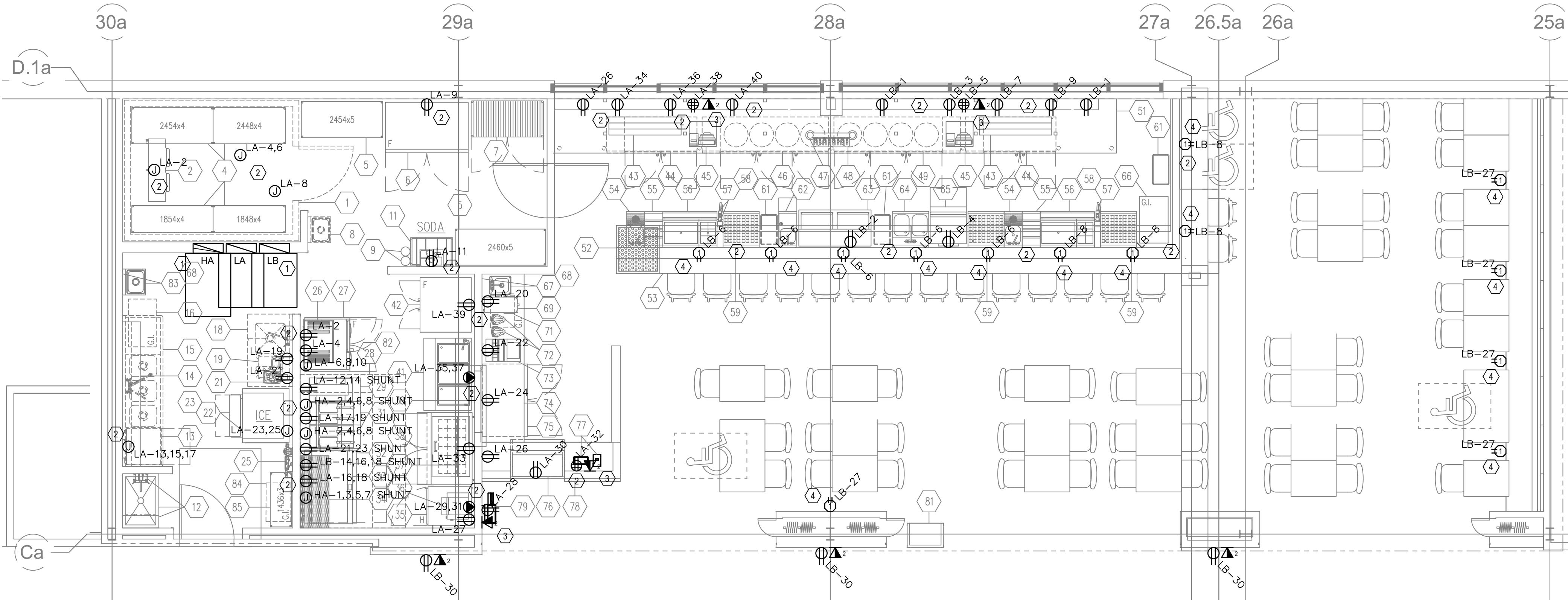
Checked byJS

E0.3

Scale1/4" = 1'-0"

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.
- DISCONNECTS FOR MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
- 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.
- THE LIGHTS SHALL NOT HAVE ANY ELECTRICAL WHIPS LONGER THAN 6 FEET. IT IS NOT PERMISSIBLE PER THE DESIGN MANUAL TO DAISY CHAIN LIGHT FIXTURES.
- ALL 125 VOLT, 15 OR 20 AMP RECEPTACLES 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.
- 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 AHJ 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.
- UTILITIES TO REMAIN SHALL BE BROUGHT INTO COMPLIANCE WITH THE 2020 DESIGN MANUAL INCLUSIVE OF, BUT NOT LIMITED TO INSTALLATION, MATERIALS, AND EQUIPMENT.
- ALL ELECTRICAL ITEMS NOT SPECIFICALLY STATED EXISTING TO REMAIN SHALL BE REMOVED TO SOURCE. NO ABANDONED CONDUITS/WIRING DM 22.5
- 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.
- KITCHEN HOOD AND EXHAUST SYSTEM MUST BE DESIGNED AND CONSTRUCTED IN AN APPROVED MECHANICALLY OR ELECTRICALLY INTER-LOCK MANNER SUCH THAT THE COOKING APPLIANCES WILL NOT OPERATE IF THE GREASE EXHAUST FAN ARE NOT TURNED ON.
- 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.
- ELECTRICAL INSTALLATION SHALL COMPLY WITH 2023 EDITION OF MPA GUIDE TO TENANT CONSTRUCTION, SECTION 6.4.



POWER PLAN KEYNOTES:

- SPACE SURROUNDING ELECTRICAL EQUIPMENT SHALL CONFORM TO ARTICLE 110 NEC. PROVIDE SAFETY MARKING ON FLOOR FOR CODE REQUIRED CLEARANCE IN FRONT OF ELECT PANEL.
- COORDINATE HEIGHTS AND EXACT LOCATIONS WITH ARCHITECT. TYPICAL.
- ALL CAT 6 WIRES TO TERMINATE IN IT DATA ENCLOSURE. COORDINATE EXACT LOCATION WITH ARCHITECT.
- USB COMBO RECEPTACLES SHALL BE TAMPER RESISTANT TYPE PER NEC 406.12(6).

1 ELECTRICAL POWER PLAN
E1.0 SCALE: 1/4" = 1' - 0"

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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

ELECTRICAL PLANS

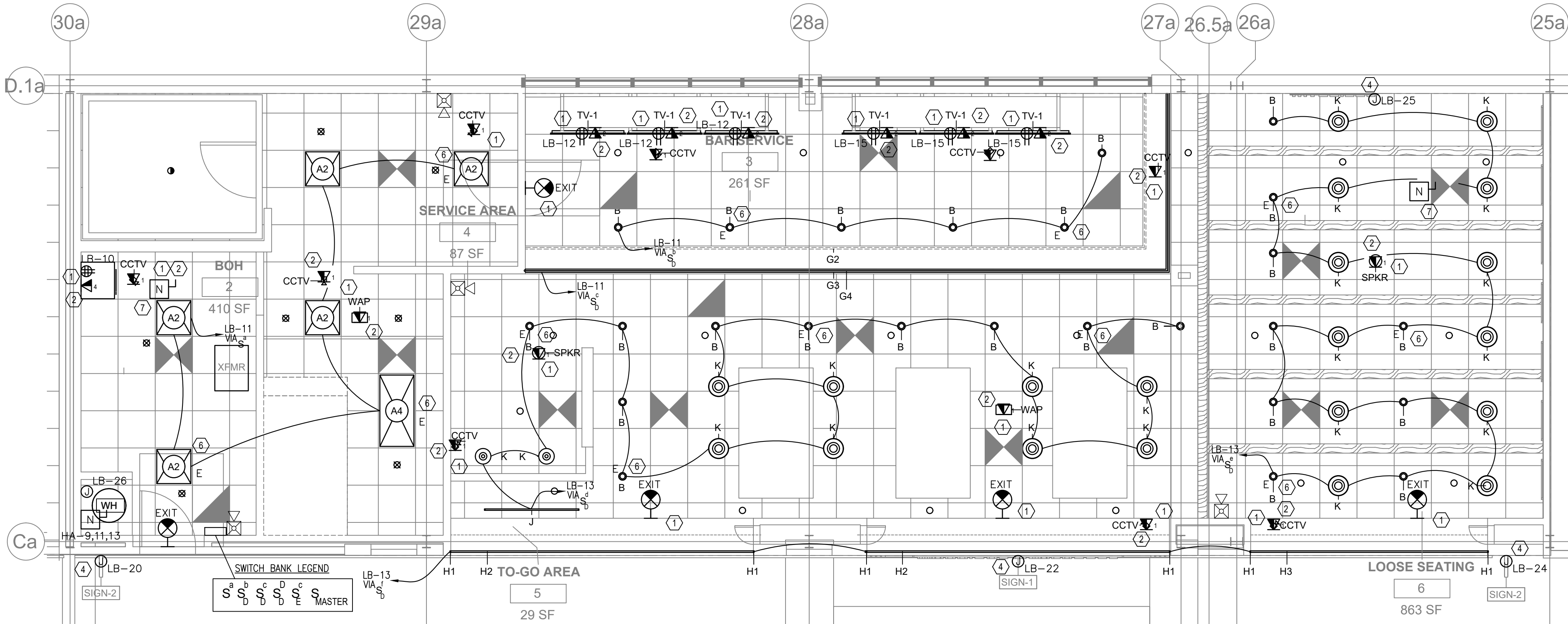
DOA Permit Number	
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E1.0

Scale 1/4" = 1'-0"

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- 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 AHJ 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.
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- ALL ELECTRICAL ITEMS NOT SPECIFICALLY STATED EXISTING TO REMAIN SHALL BE REMOVED TO SOURCE. NO ABANDONED CONDUITS/WIRING DM 22.5
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- ELECTRICAL INSTALLATION SHALL COMPLY WITH 2023 EDITION OF MPA GUIDE TO TENANT CONSTRUCTION, SECTION 6.4.



ELECTRICAL LIGHTING PLAN

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

LIGHTING PLAN KEYNOTES:

- SEE ELEVATION ON ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.
- ALL CAT 6 WIRES TO TERMINATE IN IT DATA ENCLOSURE VIA MINIMUM 1" CONDUIT OR CABLE TRAY. COORDINATE EXACT LOCATION WITH ARCHITECT.
- PROVIDE A MASTER SWITCH TO TURN ON ALL DIMMER SWITCHES IN THE SWITCH BANK.
- FOR SIGNAGE CONNECTIONS. SIGN MANUFACTURER TO PROVIDE A TOGGLE SWITCH ON SIGN FOR MEANS OF DISCONNECTING, VIF. 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. SWITCH VIA TIME CLOCK NEXT TO ELECTRICAL PANELS. COORDINATE LOCATIONS WITH BASE BUILDING GC.
- SWITCH BANK LOCATION.
- ELECTRICAL CONTRACTOR TO PROVIDE BATTERY BACKUP FOR FIXTURES AS DENOTED 'E'.
- ELECTRICAL CONTRACTOR SHALL FIELD VERIFY POWER REQUIREMENTS OF EXISTING MECHANICAL EQUIPMENT ABOVE CEILING AND PROVIDE POWER VIA NEW PANEL TO UNIT. NOTIFY ENGINEERING OF ANY DISCREPANCIES.

LIGHTING FIXTURE SCHEDULE

Mark	Description	Count	Manufacturer	Model	Lamp	Wattage	Comments	Vendor
A2	TROFFER PANEL - 2X2	5	TCP	2X2 TROFFER, 29W, 3000K, COLOR: WHITE, TCP-DTF2UZD2930K	LED	29 W	LOCATED IN BOH.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
A4	TROFFER PANEL - 2X4	6	TCP	2X4 TROFFER, 39W, 3000K, COLOR: WHITE, TCP-DTF4UZD3930K	LED	39 W	LOCATED IN BOH.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
B	RECESSED CAN LIGHT - 4"	25	NORA LIGHTING	NIO-4RND-30X (3000K)-WW WHITE/WHITE / 10 / 14	LED	14 W	LOCATED THROUGHOUT FOH.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
C1	UNDERBAR TASKLIGHT - 48"	9	NORA LIGHTING	NULB120-48LED930W LED, 48", 12W, (3000K), FINISH: WHITE	LED	19 W	LOCATED ON UNDERSIDE OF BAR, IN BAR SERVICE AREA.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
D1	UNDERCOUNTER LIGHTING	1	PURE EDGE LIGHTING	STOMP STRIP- ST2A-24V-LENGTH: 33'-0" - 30K, WITH DIFFUSER LENS CHANNEL: LCS 6 FINISH SATIN ALUMINUM	LED	2.5 W/FT	LOCATED ON UNDERSIDE OF BAR, ON CUSTOMER SIDE.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
D2	UNDERCOUNTER LIGHTING	1	PURE EDGE LIGHTING	STOMP STRIP- ST2A-24V-LENGTH: 33'-0" - 30K, WITH DIFFUSER LENS CHANNEL: LCS 6 FINISH SATIN ALUMINUM	LED	2.5 W/FT	LOCATED ON UNDERSIDE OF BAR, ON CUSTOMER SIDE.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
G1	SHELF LIGHTING	6	PURE EDGE LIGHTING	FLEX NEON - FN-LRF7-2W-LENGTH: 10' - 10" - 30K - S	LED	2.5 W/FT	LOCATED ON UNDERSIDE OF BAR SHELF	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
G2	HEADER LIGHTING	1	PURE EDGE LIGHTING	FLEX NEON - FN-LRF7-2W-LENGTH: 41' - 8" - 30K - S	LED	2.5 W/FT	LOCATED ON UNDERSIDE OF BAR HEADER.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
G3	HEADER LIGHTING	1	PURE EDGE LIGHTING	FLEX NEON - FN-LRF7-2W-LENGTH: 44' - 30K - S	LED	2.5 W/FT	LOCATED ON UNDERSIDE OF BAR HEADER.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
G4	SHELF LIGHTING	1	PURE EDGE LIGHTING	FLEX NEON - FN-LRF7-2W-LENGTH: 44' - 30K - S	LED	2.5 W/FT	LOCATED AS UPLIGHTING FOR BAR CANOPY.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
H1	LINEAR LIGHTING	6	PURE EDGE LIGHTING	TL 5A-7WDC-LENGTH: 12'-8 3/4"-ST30K	LED	2.5 W/FT	LOCATED AT STOREFRONT	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
H2	LINEAR LIGHTING	2	PURE EDGE LIGHTING	TL 5A-7WDC-LENGTH: 16'-3 1/4"-ST30K	LED	7.5 W/FT	LOCATED AT STOREFRONT	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
H3	LINEAR LIGHTING	1	PURE EDGE LIGHTING	TL 5A-7WDC-LENGTH: 12'-8 3/4"-ST30K	LED	7.5 W/FT	LOCATED AT STOREFRONT	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
J	LINEAR DOWNLIGHT	1	PURE EDGE LIGHTING	CIRRUS CEILING D1, CCDS-5W-1R- 60 INCH LENGTH-30K-SN (SATIN NICKEL) 3000K, DIMMABLE	LED	20	GENERAL LIGHTING IN TO-GO AREA.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
K	SEMI-FLUSH MOUNT	22	IN COMMON WITH	ARUNDEL MUSHROOM SURFACE MOUNT, FINISH: OXIDE RED CANOPY, COLOR: OXIDE RED SHADE, ICW1049142	LED	14 W	LOCATED AT CEILING THROUGHOUT DINING AREA.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
L	WALL SCONCE	5	JUSTICE DESIGN	CERAMIC CYLINDER UP / DOWN WALL SCONCE, COLOR: BISQUE, JUS1127734	LED	12 W	LOCATED THROUGHOUT FOH.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM
X	ILLUMINATED EXIT SIGN	5	LITHONIA LIGHTING	LRP-BZ-1-RC-120/277-EL-N. SEE MEP DRAWINGS. BRONZE FINISH IN DINING AREA.	LED	2.3 W	LOCATED ABOVE ALL EXITS.	LIGHTOLOGY / ASHLEY RUTTER / P: 312.229.7458 / E: ARUTTER@LIGHTLOGY.COM

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AIRPORT:

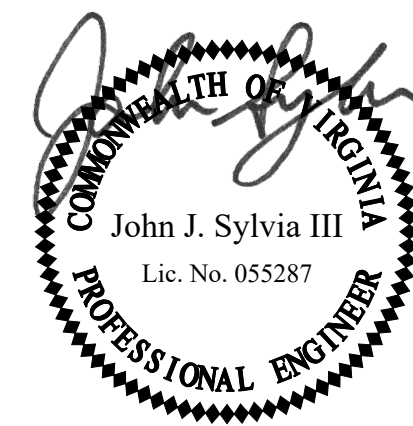
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03/24/2026



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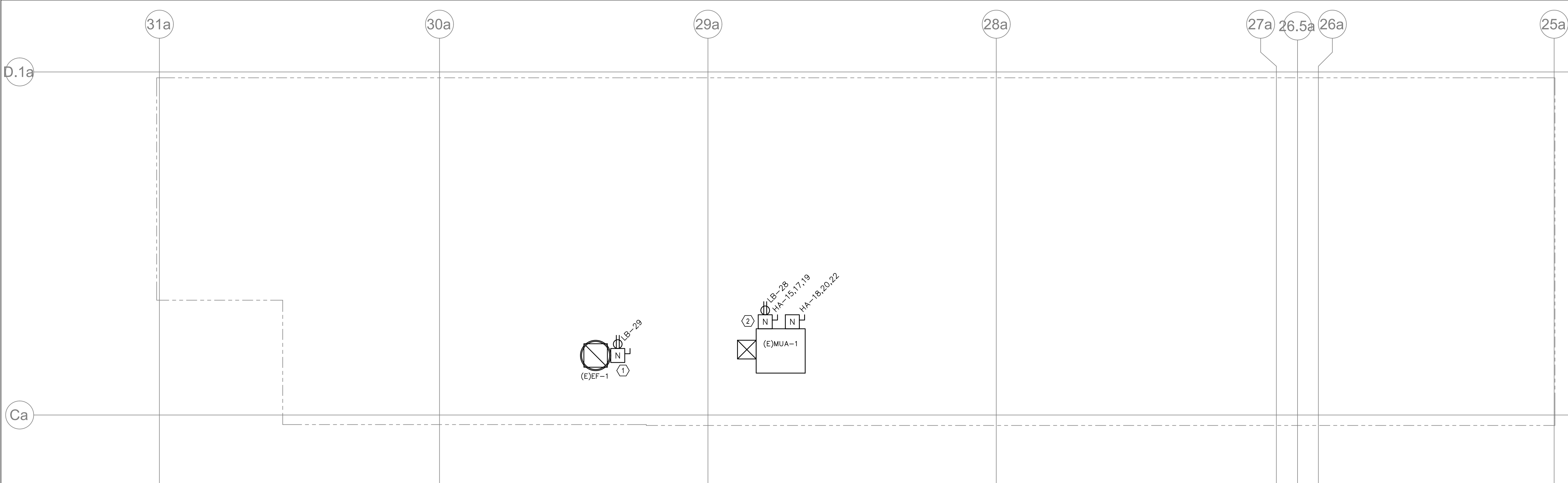
No.	Description	Date
100%	SUBMITTAL	03/24/2026

ELECTRICAL
LIGHTING
PLANS

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

E1.1

Scale 1/4" = 1'-0"



1 ELECTRICAL ROOF PLAN
E2.0 SCALE: 1/4" = 1' - 0"

SHEET GENERAL NOTES

1. SEE ARCHITECTURAL AND FOOD SERVICE PLANS, ELEVATIONS, DETAILS AND SPECIFICATION FOR ELECTRICAL EQUIPMENT LOCATIONS AND HEIGHTS. COORDINATE EXACT LOCATION IN FIELD PRIOR TO INSTALLATION.

2. LOCATION AND INSTALLATION HEIGHT OF ALL WALL DEVICES TO BE COORDINATE WITH MILLWORK IN ALL LOCATIONS.

3. THE CONTRACTOR SHALL NOT CORE DRILL CONCRETE SLABS WITHOUT THE KNOWLEDGE AND WRITTEN CONSENT OF THE STRUCTURAL ENGINEER AND THE BUILDING OWNER.

4. CONTRACTOR TO RADIOGRAPH PROBABLE CORE DRILL LOCATIONS TO PREVENT CUTTING CONCEALED RE-BARS AND/OR CONDUIT IN CONCRETE MASS.

5. 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.

6. ALL WIRING SHALL BE INSTALLED IN CONDUIT PER DM 22.5, INCLUSIVE OF LOW VOLTAGE/CONTROL WIRING (I.E. THERMOSTATS, AUDIO, VISUAL, COMM. ETC.)

7. THE USE OF SO CORDS IS PROHIBITED IN MILLWORK.

8. DISCONNECTS FOR MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.

9. THE MINIMUM SIZE CONDUIT FOR VOICE/DATA IS 1" ALL COMMUNICATIONS DEVICES REQUIRE 1" CONDUIT TO COMMUNICATIONS DEMARCATION.

10. TENANT TO PROVIDE ACCESSIBLE 12" X 12" JUNCTION BOX IN SPACE IF NONE EXISTS.

11. FIRE ALARM SHOP DRAWINGS ARE REQUIRED IF THERE ARE ANY DEVICES ADDED OR REMOVED WITH THE PROJECT. FIRE ALARM SHOP DRAWINGS MAY BE REQUIRED.

12. 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.

13. NEW TEL/DATA OUTLETS SHALL BE CAT 6.

14. REFER TO KITCHEN DRAWINGS FOR SYMBOLS, ABBREVIATION, GENERAL SPECIFICATIONS, DETAILS AND OTHER INFORMATION REQUIREMENTS AND INSTRUCTIONS.

15. 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.

16. PROVIDE SPECIAL RECEPTACLES TO MATCH WITH EQUIPMENT PLUG. COORDINATE WITH KITCHEN EQUIPMENT PRIOR TO INSTALLATION.

17. SEE KITCHEN DRAWINGS FOR EXACT LOCATION OF KITCHEN EQUIPMENT.

18. THE LIGHTS SHALL NOT HAVE ANY ELECTRICAL WHIPS LONGER THAN 6 FEET. IT IS NOT PERMISSIBLE PER THE DESIGN MANUAL TO DAISY CHAIN LIGHT FIXTURES.
19. ALL 125 VOLT, 15 OR 20 AMP RECEPTACLES 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.

20. 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.

21. THE CONTRACTOR SHALL FURNISH THE FOLLOWING
1. FIRE ALARM INSTALLER CERTIFICATION NUMBER:
2. FIRE ALARM INSTALLER NAME:

22. THE FACP SHALL BE RETURNED TO NORMAL OPERATING CONDITIONS AT THE END OF EACH DAY.

23. ALL REQUIRED FIRE ALARM DEVICES AND THEIR LOCATIONS ON PLAN, SHALL CONFORM TO THE MOST CURRENT ADOPTED AHJ DESIGN MANUAL.

24. FIRE ALARM OUTAGES REQUIRE 72 HOURS ADVANCE NOTICE TO FACILITIES ENGINEERING DIVISION.

25. PROVIDE SEPARATION OF CLASS 1,2,3, CIRCUITS FOR POWER AND COMMUNICATION/DATA CIRCUITS PER NEC 725.136.

26. ALL ABANDONED COMMUNICATIONS WIRING WILL REQUIRE REMOVAL FROM PIPE, AND/OR CABLE TRAYS IN THEIR ENTIRETY.

27. UTILITIES TO REMAIN SHALL BE BROUGHT INTO COMPLIANCE WITH THE 2020 DESIGN MANUAL INCLUSIVE OF, BUT NOT LIMITED TO INSTALLATION, MATERIALS, AND EQUIPMENT.

28. ALL ELECTRICAL ITEMS NOT SPECIFICALLY STATED EXISTING TO REMAIN SHALL BE REMOVED TO SOURCE. NO ABANDONED CONDUITS/WIRING DM 22.5

29. ALL PRE-WIRED CABINETRY, MILLWORK, FIXTURE, ETC. SHALL BE INSPECTED AND LISTED AT THE POINT OF MANUFACTURING.

30. ALL REUSED EQUIPMENT MUST BE PROFESSIONALLY SERVICED AND CLEANED AND BROUGHT UP TO CURRENT CODE REQUIREMENTS.

31. KITCHEN HOOD AND EXHAUST SYSTEM MUST BE DESIGNED AND CONSTRUCTED IN AN APPROVED MECHANICALLY OR ELECTRICALLY INTER-LOCK MANNER SUCH THAT THE COOKING APPLIANCES WILL NOT OPERATE IF THE GREASE EXHAUST FAN ARE NOT TURNED ON.

32. 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.

35. ELECTRICAL INSTALLATION SHALL COMPLY WITH 2023 EDITION OF MPA GUIDE TO TENANT CONSTRUCTION, SECTION 6.4.

ROOF PLAN KEYNOTES:

- 1 ELECTRICAL CONTRACTOR TO PROVIDE NEW POWER TO EXISTING EXHAUST FAN. FIELD VERIFY EXISTING CIRCUIT AND TIE INTO HIGH OR LOW VOLTAGE PANEL AS REQUIRED. EXISTING DISCONNECT TO REMAIN.
- 2 EXISTING MUA AND ASSOCIATED CIRCUITRY TO REMAIN. PROVIDE NEW CIRCUIT BREAKER IN NEW PANEL.

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Lic. No. 055287
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No.	Description	Date
	100% SUBMITTAL	03/24/2026

ELECTRICAL
ROOF PLANS

DOA Permit Number

Project number2025-059

Date03/24/2026

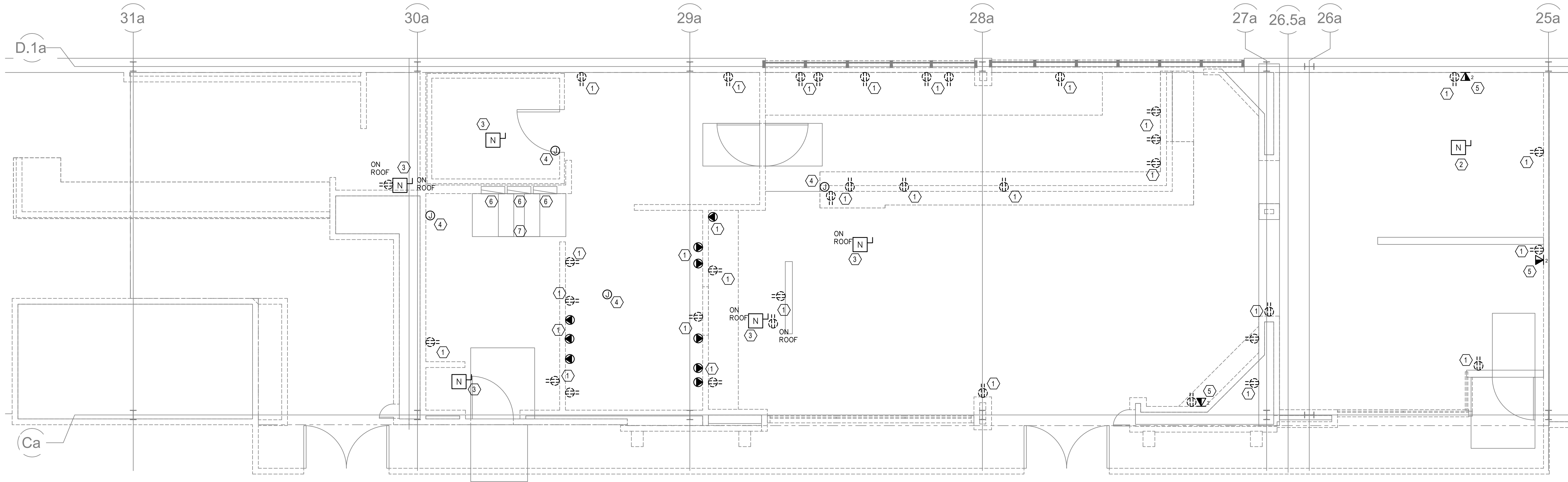
Drawn byJP

Checked byJS

E2.0

Scale1/4" = 1'-0"

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1 ELECTRICAL DEMO POWER PLAN
ED1.0 SCALE: 1/4" = 1' - 0"

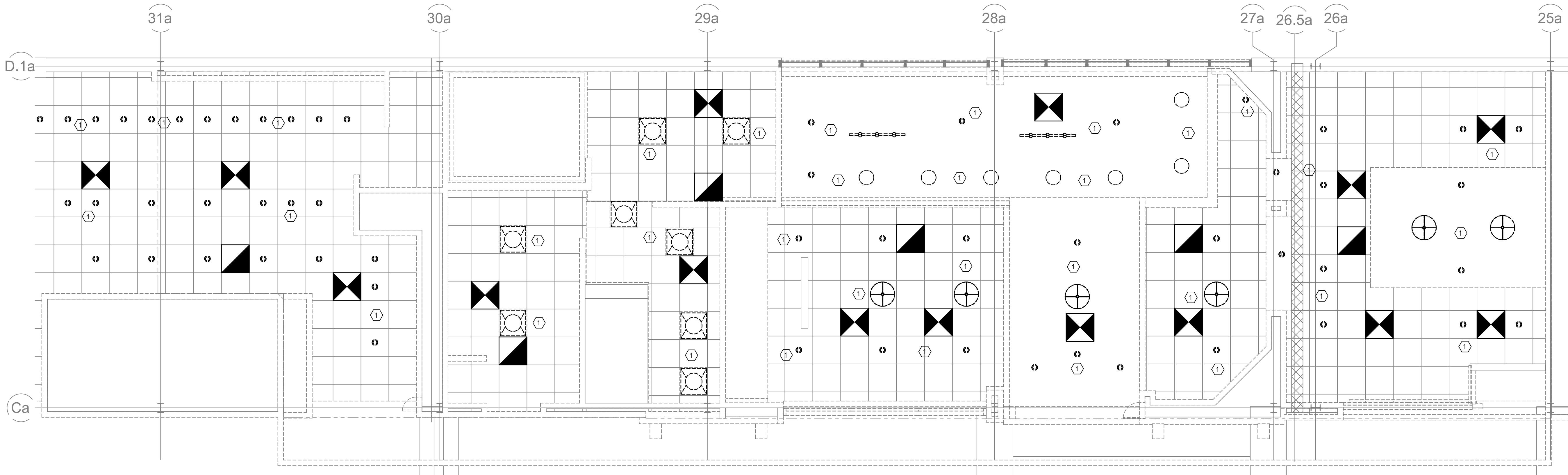
SHEET GENERAL NOTES

- 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.
- DISCONNECTS FOR MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
- 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.
- THE LIGHTS SHALL NOT HAVE ANY ELECTRICAL WHIPS LONGER THAN 6 FEET. IT IS NOT PERMISSIBLE PER THE DESIGN MANUAL TO DASHY CHAIN LIGHT FIXTURES.
- ALL 125 VOLT, 15 OR 20 AMP RECEPTACLES 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.
- 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 AHJ 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.
- UTILITIES TO REMAIN SHALL BE BROUGHT INTO COMPLIANCE WITH THE 2020 DESIGN MANUAL INCLUSIVE OF, BUT NOT LIMITED TO INSTALLATION, MATERIALS, AND EQUIPMENT.
- ALL ELECTRICAL ITEMS NOT SPECIFICALLY STATED EXISTING TO REMAIN SHALL BE REMOVED TO SOURCE. NO ABANDONED CONDUITS/WIRING DM 22.5
- 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.
- KITCHEN HOOD AND EXHAUST SYSTEM MUST BE DESIGNED AND CONSTRUCTED IN AN APPROVED MECHANICALLY OR ELECTRICALLY INTER-LOCK MANNER SUCH THAT THE COOKING APPLIANCES WILL NOT OPERATE IF THE GREASE EXHAUST FAN ARE NOT TURNED ON.
- 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 TENANT'S 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.
- ELECTRICAL INSTALLATION SHALL COMPLY WITH 2023 EDITION OF MPA GUIDE TO TENANT CONSTRUCTION, SECTION 6.4.

POWER DEMOLITION PLAN KEYNOTES:

- ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING RECEPTACLE. TYPICAL OF ALL.
- EXISTING DISCONNECT TO REMAIN.
- REMOVE EXISTING DISCONNECT.
- REMOVE EXISTING JUNCTION BOX. TYPICAL OF ALL.
- REMOVE EXISTING DATA OUTLET. TYPICAL OF ALL.
- REMOVE EXISTING ELECTRICAL PANELS.
- ELECTRICAL CONTRACTOR TO FIELD VERIFY TRANSFORMER LOCATION. REMOVE EXISTING TRANSFORMER.

No.	Description	Date
	ISSUED FOR DEMO PERMIT	2/23/2026



1
ED1.1 **ELECTRICAL DEMO LIGHTING PLAN**
SCALE: 1/4" = 1' - 0"

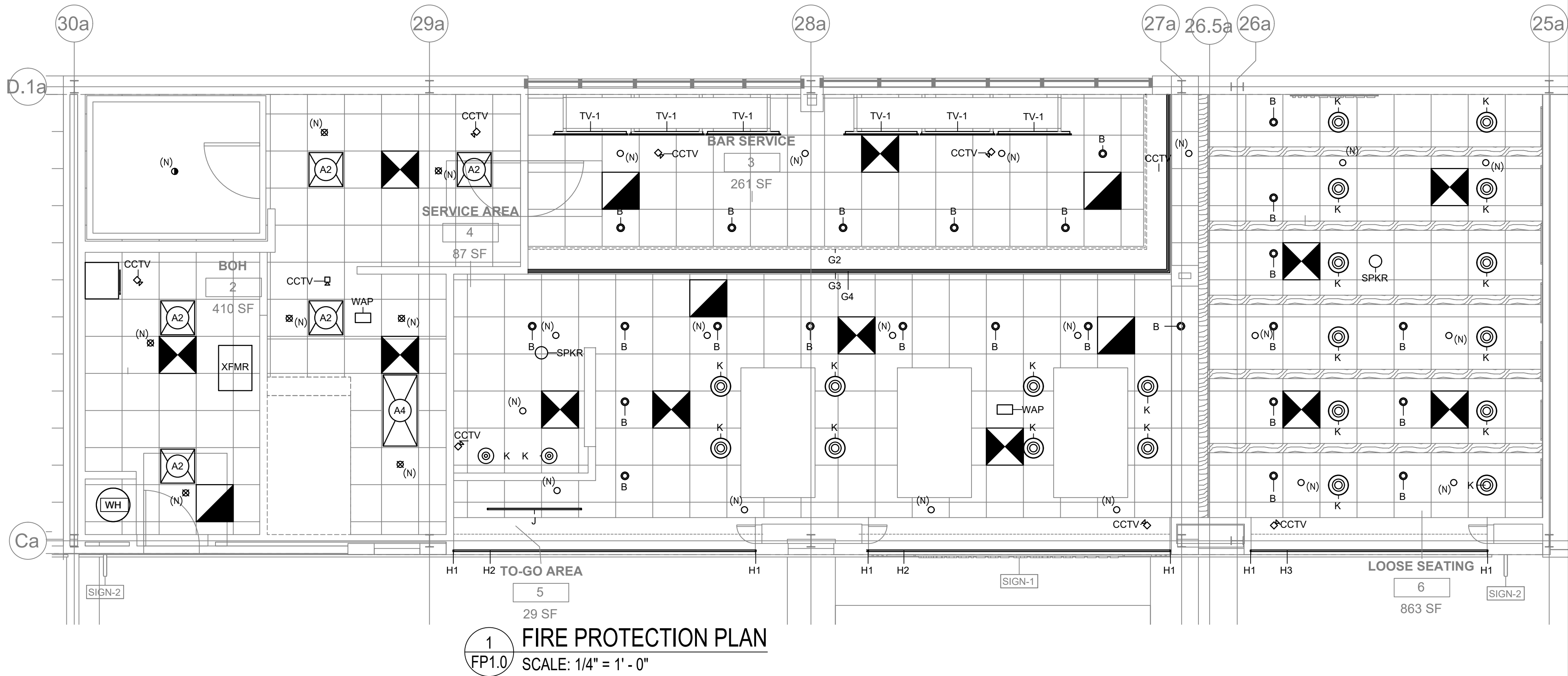
SHEET GENERAL NOTES

- 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.
- DISCONNECTS FOR MECHANICAL EQUIPMENT PROVIDED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
- 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.
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- 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.
- THE LIGHTS SHALL NOT HAVE ANY ELECTRICAL WHIPS LONGER THAN 6 FEET. IT IS NOT PERMISSIBLE PER THE DESIGN MANUAL TO DAISY CHAIN LIGHT FIXTURES.
- ALL 125 VOLT, 15 OR 20 AMP RECEPTACLES 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.
- 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
1. FIRE ALARM INSTALLER CERTIFICATION NUMBER:
2. 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 AHJ 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.
- UTILITIES TO REMAIN SHALL BE BROUGHT INTO COMPLIANCE WITH THE 2020 DESIGN MANUAL INCLUSIVE OF, BUT NOT LIMITED TO INSTALLATION, MATERIALS, AND EQUIPMENT.
- ALL ELECTRICAL ITEMS NOT SPECIFICALLY STATED EXISTING TO REMAIN SHALL BE REMOVED TO SOURCE. NO ABANDONED CONDUITS/WIRING DM 22.5
- 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.
- KITCHEN HOOD AND EXHAUST SYSTEM MUST BE DESIGNED AND CONSTRUCTED IN AN APPROVED MECHANICALLY OR ELECTRICALLY INTER-LOCK MANNER SUCH THAT THE COOKING APPLIANCES WILL NOT OPERATE IF THE GREASE EXHAUST FAN ARE NOT TURNED ON.
- 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.
- ELECTRICAL INSTALLATION SHALL COMPLY WITH 2023 EDITION OF MPA GUIDE TO TENANT CONSTRUCTION, SECTION 6.4.

LIGHTING DEMOLITION PLAN KEYNOTES:

- 1** ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING LIGHT FIXTURES, TYPICAL OF ALL.

No.	Description	Date
	ISSUED FOR DEMO PERMIT	2/23/2026



GENERAL NOTES:

- THE GENERAL SCOPE OF THE AUTOMATIC SPRINKLER SYSTEM PORTION OF THIS PROJECT SHALL CONSIST OF MODIFYING THE EXISTING AUTOMATIC WET SPRINKLER SYSTEM TO MEET THE CODE REQUIREMENTS FOR THE PROPOSED OCCUPANCY AND ARCHITECTURAL FLOOR PLAN AND MECHANICAL LAYOUT. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED AND INSTALLED IN FULL ACCORDANCE WITH THE REQUIREMENTS OF UNIFORM STATEWIDE BUILDING CODE, NFPA, AUTHORITY FIRE MARSHAL, LOCAL AND STATE CODES AND MWA DESIGN MANUAL REQUIREMENTS AND SPECIFICATIONS.
- EXISTING SPRINKLER ZONING SHALL REMAIN AS EXISTING. SPRINKLER HEAD CONFIGURATION MAY HAVE TO BE ALTERED TO COORDINATE WITH NEW CEILING AND SPACE LAYOUT. EXISTING HEADS WHICH REQUIRE REMOVAL SHALL NOT BE RE-USED.
- IF AN EXISTING AUTOMATIC SPRINKLER SYSTEM IS ALTERED WITH THE ADDITION, REDUCTION OR REPLACEMENT OF 20 OR MORE SPRINKLER HEADS, 10 OR MORE PIPE JOINTS, OR MORE THAN 20' OF PIPE, A HYDROSTATIC TEST ON THE SYSTEM SHALL BE PERFORMED BY THE SPRINKLER CONTRACTOR PRIOR TO THE FINAL ACCEPTANCE.
- THE SPRINKLER SYSTEM PIPING SHALL BE SUBJECTED TO A HYDROSTATIC PRESSURE TEST IN ACCORDANCE WITH NFPA 13.
- WHEN INSTALLING SPRINKLER HEADS CONTRACTOR SHALL PENETRATE FIRE WALLS ONLY ONCE WITH PIPING.
- SPRINKLER CONTRACTOR SHALL USE SCHEDULE 40 PIPE FOR ALL NEW SPRINKLER PIPING.
- SPRINKLER PIPING, VALVES AND ACCESSORIES SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13.
 - PIPE SIZE 2" OR SMALLER: SCHEDULE 40 STEEL, ASTM A53, A135, A795 WITH CAST IRON FITTING
 - PIPE SIZE 2 1/2" - 5": SCHEDULE 40 STEEL, ASTM A53, A135, A795 WITH STEEL PIPE FITTING
- PLAIN END JOINING SHALL NOT BE PERMITTED.
- THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE DESIGN OF THE AUTOMATIC SPRINKLER SYSTEMS. SIX SETS OF APPROVED SHOP DRAWINGS AND MANUFACTURER'S DATA SHEETS SHALL BE SUBMITTED TO AUTHORITY FIRE MARSHAL FOR REVIEW. SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND MANUFACTURER'S DATA SHEETS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL BEFORE SUBMISSION TO THE AUTHORITY FIRE MARSHAL AND, PURCHASE AND INSTALLATION. FINAL DESIGN OF THE SYSTEMS SHALL BE COORDINATED WITH FIELD CONDITIONS AND AVAILABLE WATER SUPPLY.
- SPRINKLER SHOP DRAWING SHALL INCLUDE SIX (6) SETS OF:
 - SETS OF SIGNED/SEALED DRAWINGS
 - SIGNED/SEALED CALCULATIONS
 - SPRINKLER HEAD CUT SHEETS
 - PIPE MATERIAL SCHEDULE
 - OVERALL DIMENSIONS OF SPACE
 - ROOM NUMBERS AND BUILDING NUMBER OF SPACE
- THE SPRINKLER CONTRACTOR SHALL PROVIDE ALL NECESSARY PARTS AND ACCESSORIES EVEN THOUGH THE PARTS AND ACCESSORIES ARE NOT SPECIFICALLY MENTIONED OR SHOWN HEREIN IN ACCORDANCE WITH NFPA 13.
- PIPE HANGERS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA
- ALL HANGER MATERIALS SHALL BE UL LISTED AND FM APPROVED.
- ALL FIRE PROTECTION PIPING AND EQUIPMENT SHOWN ARE FOR SUGGESTIVE PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS. ALL ITEMS OF EQUIPMENT SHALL BE INSTALLED BY ON-THE-JOB MEASUREMENTS AND COORDINATED WITH ALL OTHER TRADES. UNDER NO CIRCUMSTANCES SHALL THE DRAWINGS BE SCALED.
- APPROVED IDENTIFICATION SIGNS FOR ALL SYSTEM COMPONENTS SHALL BE PROVIDED IN ACCORDANCE WITH NFPA 13 AND THE SPECIFICATIONS AND AUTHORITY FIRE MARSHAL.
- ALL PENETRATIONS THROUGH WALLS SHALL BE PATCHED WITH APPROVED FIRE STOPPING MATERIAL.
- ALL SPRINKLER PIPING IN FINISHED CEILING AREAS SHALL BE INSTALLED ABOVE THE CEILINGS. REFER TO THE ARCHITECTURAL DRAWINGS CEILING TYPES.
- CONTRACTOR TO COORDINATE SPRINKLER HEAD LAYOUT WITH LIGHT, DIFFUSER, DUCTWORK AND COMMUNICATION DEVICE LOCATIONS.
- PIPING IN OCCUPIED AREAS W/OUT SUSPENDED CEILINGS SHALL BE INSTALLED IN AN AESTHETICALLY PLEASING MANNER AS TIGHT TO THE CEILING AS POSSIBLE.
- SPRINKLER CONTRACTOR SHALL PROVIDE ISOLATION VALVE ON THE SPRINKLER SYSTEM IN ORDER TO ISOLATE THE SPACE IF NONE EXIST, IN ACCORDANCE TO NATIONAL BUILDING CODE 402.9. PROVIDE ELECTRONICALLY SUPERVISED TAMPER SWITCH.
- THE SPRINKLER SYSTEM INSTALLATION/ALTERATION SHALL REQUIRE A SECONDARY SUBMISSION. PE-SEALED SPRINKLER AS-BUILT DRAWINGS SHALL BE PROVIDED UPON COMPLETION OF CONSTRUCTION.
- IF AN EXISTING AUTOMATIC SPRINKLER SYSTEM IS ALTERED WITH THE ADDITION, REDUCTION OR REPLACEMENT OF FIVE OR MORE SPRINKLER HEADS, 10 OR MORE PIPE JOINTS, OR MORE THAN 20' OF PIPE, A HYDROSTATIC TEST ON THE SYSTEM SHALL BE PERFORMED BY THE SPRINKLER CONTRACTOR PRIOR TO THE FINAL ACCEPTANCE. PER 2014 DESIGN MANUAL, SECTION 15.10.2.
- FIRE ALARM & SPRINKLER SUBMISSIONS ARE DUE WITHIN TWO (2) WEEKS OF POST-DEMOLITION WALK-THRU.

SPRINKLER NOTES:

- SPRINKLERS ARE INDICATED TO REPRESENT A GENERAL ARRANGEMENT WHICH IS COORDINATED WITH OTHER CEILING ELEMENTS. ALL REQUIRED HEADS MAY NOT BE INDICATED. INSTALLATION SHALL COMPLY WITH NFPA-13. CONTRACTOR SHALL ADJUST FINAL LOCATIONS AND ADD HEADS AS NEEDED TO FULLY COMPLY WITH APPROPRIATE NFPA STANDARDS.
- ALL EXISTING SPRINKLER SPRIGS MAY NOT BE REUSED WHEN FINAL LOCATIONS OF NEW SPRINKLER HEADS ARE DETERMINED. ANY SPRIGS, BRANCH CONNECTIONS, ETC. NOT USED SHALL BE REMOVED AND CAPPED BACK AT ACTIVE MAIN OR BRANCH.
- IF NONE EXISTS, A SPRINKLER VALVE MUST BE INSTALLED ON THE SPRINKLER SYSTEM IN ORDER TO ISOLATE THE SPACE PER NATIONAL BUILDING CODE 402.9. A TAMPER SWITCH MUST BE INCLUDED WITH VALVE.
- IF EXISTING AUTOMATIC SPRINKLER SYSTEM IS ALTERED WITH THE ADDITION, REDUCTION OR REPLACEMENT OF FIVE OR MORE SPRINKLER HEADS, 10 OR MORE PIPE JOINTS, OR MORE THAN 20' OF PIPE, A HYDROSTATIC TEST ON THE SYSTEM SHALL BE PERFORMED BY THE SPRINKLER CONTRACTOR.
- FIRE SPRINKLER SYSTEMS MUST BE TIED INTO THE EXISTING CONCOURSE SPRINKLER SYSTEM.

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.

SHEET GENERAL 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 ENGINEER IN WRITING AND AWAIT DIRECTION BEFORE PROCEEDING WITH THE WORK.

LEGEND

- ☒ CHROME PENDANT STYLE HEAD
- CONCEALED TYPE HEAD
- DRY TYPE HEAD W/ PROTECTIVE CAGE
- (E) EXISTING TO REMAIN
- (N) NEW
- (R) REMOVE EXISTING

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03/24/2026



NORFOLK INTERNATIONAL AIRPORT
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NORFOLK, VA 23518
CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

FIRE PROTECTION PLAN

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

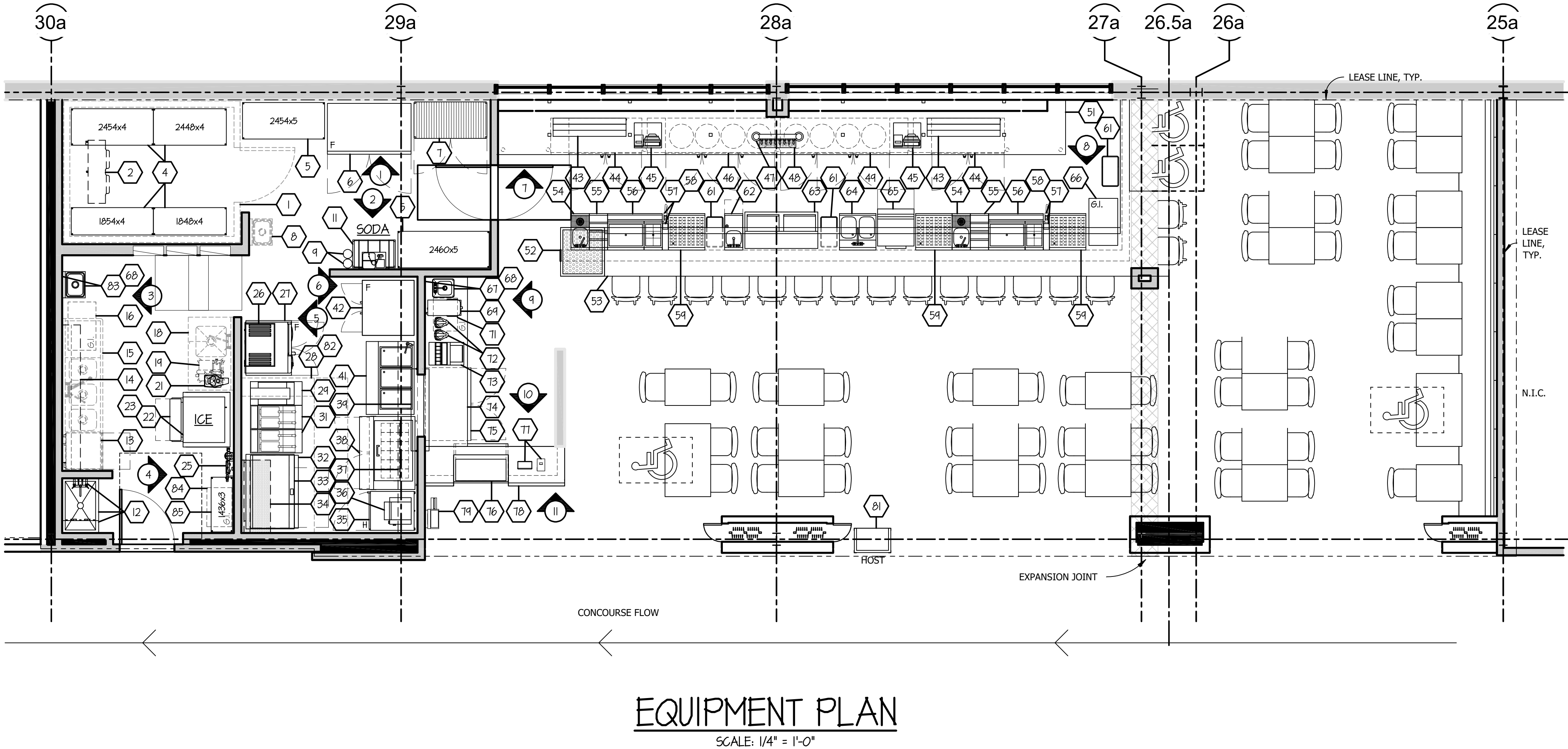
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KITCHEN EQUIPMENT SCHEDULE	
Item No	Equipment Category
1	WALK-IN COOLER (EXISTING / REMAIN)
2	COOLER EVAPORATOR COIL
3	COOLER CONDENSING UNIT
4	STORAGE SHELVEING
5	STORAGE SHELVEING
6	REACH-IN FREEZER
7	SECURITY UNIT
8	HAND SINK (EXISTING / REMAIN)
9	CO2 TANK (BY VENDOR)
10	SPARE NUMBER
11	SODA SYSTEM (BY VENDOR)
12	MOP SINK W/ FAUCET & MOP RACK
13	W/C DISHWACHINE
14	WALL SHELVEING W/ POT RACK
15	(3) COMPARTMENT SINK (EXISTING / REMAIN)
16	GREASE INTERCEPTOR (BY OTHERS)
17	SPARE NUMBER
18	WORKTABLE W/ SINK (EXISTING / REMAIN)
19	SLICER
20	SPARE NUMBER
21	FOOD PROCESSOR
22	ICE MACHINE
23	ICE BIN
24	SPARE NUMBER
25	WATER FILTER
26	HALF SIZE COMBI OVEN - VENTLESS
27	WORKTOP FREEZER
28	EXHAUST HOOD (EXISTING / REMAIN)
29	FRYER DUMP STATION W/ HEAT LAMP
30	SPARE NUMBER
31	ELECTRIC FRYER
32	REFRIGERATED EQUIPMENT STAND
33	ELECTRIC COUNTERTOP GRIDDLE
34	ELECTRIC CHEESEMELTER
35	HEATED CABINET
36	TOASTER
37	WALL SHELVEING
38	REFRIGERATED PREP TABLE
39	S/S PASS-THRU SHELF
40	SPARE NUMBER
41	HOT FOOD TABLE W/ FILL FAUCET
42	REACH-IN FREEZER
43	LIGHTED LIQUOR DISPLAY
44	BACK BAR COOLER
45	POS (BY OWNER)
46	BEER COOLER W/ DIRECT-DRAW SETUP
47	BEER TOWER
48	DRIP PAN
49	BEER COOLER W/ DIRECT-DRAW SETUP
50	SPARE NUMBER
51	BACK BAR COUNTER (BY OTHERS)
52	S/S PERFORATED DRAIN PAN
53	BAR TOP & DIE WALL (BY OTHERS)
54	BAR DUMP SINK W/ RINGER
55	LIQUOR STEPS
56	COCKTAIL STATION
57	SODA GUN (BY VENDOR)
58	SODA GUN HOLDER
59	DRAINBOARD
60	SPARE NUMBER
61	TRASH RECEPTACLE (BY OWNER)
62	BAR HAND SINK W/ SOAP & TOWEL DISPENSER
63	MUG FROSTER
64	BAR (2) COMPARTMENT SINK
65	GLASSWASHER
66	GREASE INTERCEPTOR (BY OTHERS)
67	DROP-IN HAND SINK
68	SOAP & TOWEL DISPENSER (BY OWNER)
69	COFFEE BREWER (BY VENDOR)
70	SPARE NUMBER

KITCHEN EQUIPMENT SCHEDULE	
Item No	Equipment Category
71	GREASE INTERCEPTOR (BY OTHERS)
72	COFFEE AIRPOT (BY OWNER)
73	DROP-IN SODA / ICE DISPENSER (BY VENDOR)
74	BACK COUNTER (BY OTHERS)
75	W/C REFRIGERATOR
76	REFRIGERATED SELF-SERVICE CASE
77	POS (BY OWNER)
78	FRONT COUNTER (BY OTHERS)
79	SELF SERVICE KIOSK BY OTHERS)
80	SPARE NUMBER
81	HOST STAND (BY OTHERS)
82	FIRE SYSTEM (EXISTING / MODIFY)
83	HAND SINK
84	GREASE INTERCEPTOR (BY OTHERS)
85	STORAGE SHELVEING



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EQUIPMENT
PLAN
DOA Permit Number
Project number 2025-059
Date 02/23/2026
Drawn by
Checked by
FS-1
Scale 1/4" = 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.

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.

- 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.

5. PLUMBING CONTRACTOR, OR EQUIVALENT, SHALL INTERCONNECT DISHWASHER WITH BOOSTER HEATER AND WATER TYPE VENTILATORS WITH CONTROL PANELS AS REQUIRED PER THE MANUFACTURERS INSTRUCTIONS, WHEN APPLICABLE AND NOTED.

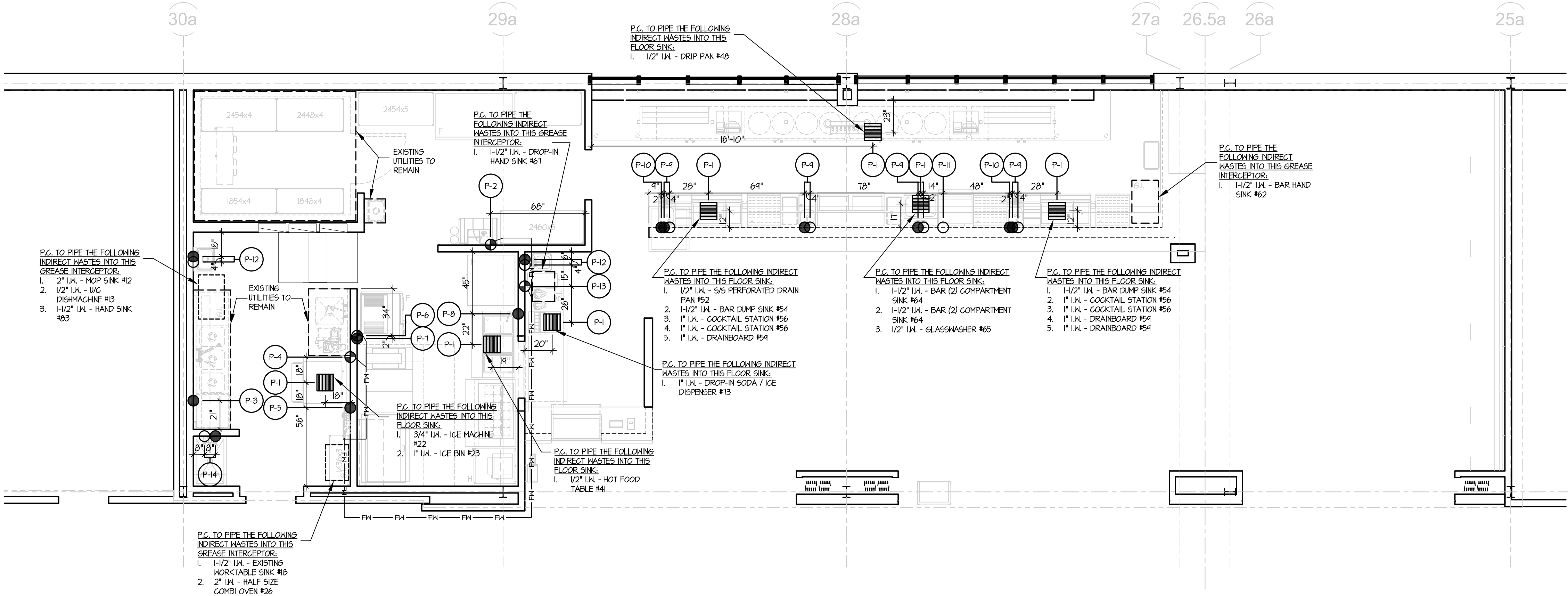
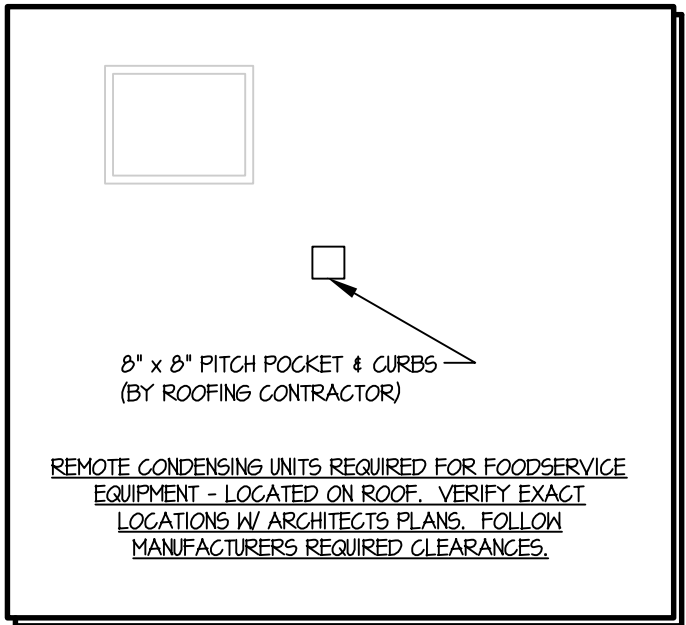
6. ALL VENT PIPES SHALL BE CONCEALED IN WALLS OR COLUMN CHASES. USE LOOP VENTS FOR ISLAND FIXTURES.

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	1/2" FN (FROM FILTER #25), 90° AFF OOH (P.C. TO VERIFY UTILITIES W/ OWNER) - SODA SYSTEM #54
P-3	1/2" CW, 12" AFF OOH - WC DISHWASHER #13
P-4	1/2" FN (FROM FILTER #25), 90° AFF OOH - ICE MACHINE #22
P-5	3/4" CW, 90° AFF OOH (P.C. TO PIPE OUTGOING FN TO EQUIPMENT SHOWN) - WATER FILTER #25
P-6	3/4" FN (FROM FILTER #25), 12" AFF OOH - HALF SIZE COMBI OVEN #26
P-7	3/4" CW, 12" AFF OOF - HALF SIZE COMBI OVEN #26
P-8	1/2" CW, 12" AFF IW - HOT FOOD TABLE FILL FAUCET #41
P-9	1/2" HW, 1/2" CW, 10" AFF OOH - BAR DUMP SINK #54, BAR HAND SINK #62, & BAR (2) COMPARTMENT SINK #64
P-10	1/2" CW, 10" AFF OOH - BAR DUMP SINK RINSER #54
P-11	1/2" HW (MINIMUM 120" INCOMING WATER REQUIRED), 12" AFF OOH - GLASSWASHER #65
P-12	1/2" HW, 1/2" CW, 22" AFF OOH - DROP-IN HAND SINK #61
P-13	1/2" FN (FROM FILTER #25), 48" AFF OOH (P.C. TO VERIFY UTILITIES W/ OWNER) - COFFEE BREWER #69
P-14	1/2" HW, 1/2" CW, 36" AFF OOH (P.C. TO LEAVE SINK ELLS IN WALL) - MOP SINK FAUCET #12

LEGEND	
	CHR 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
	ANL AT WALL LINE
	DFA DOWN FROM ABOVE
	HP HORSE POWER
	IW IN WALL
	KW KILOWATT
	OOH OUT OF WALL
	SU STUB UP
	LOH LENGTH OF WALL



EQUIPMENT PLUMBING ROUGH IN PLAN

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

SILHOUETTE

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CONCOURSE A, A.06, SPACE #CA2306

EQUIPMENT
PLUMBING ROUGH IN
PLAN

DOA Permit Number

Project number 2025-059

Date 02/23/2026

Drawn by

Checked by

FS-2

Scale 1/4" = 1'-0"

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- 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 DISHROOMS 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, JB, 10A, 103" AFF IW - COOLER EVAPORATOR COIL #2 |
| E-2 | 208/60/1, DS, 5.0A, (20A SERVICE), (ON ROOF) - COOLER CONDENSING UNIT #3 |
| E-3 | 120/60/1, SR, 8.7A, 90" AFF IW - REACH-IN FREEZER #6 |
| E-4 | 120/60/1, DR, (20A DEDICATED), 90" AFF IW (E.C. TO VERIFY UTILITIES W/ OWNER) - SODA SYSTEM #11 |
| E-5 | 208/60/3, JB, 22A, 24" AFF IW - W/C DISH MACHINE #13 |
| E-6 | 120/60/1, DR, 2.5A, 48" AFF IW - SLICER #19 |
| E-7 | 120/60/1, DR, 1.0A, 48" AFF IW - FOOD PROCESSOR #21 |
| E-8 | 208/60/1, JB, 9.9A, 90" AFF IW - ICE MACHINE #22 |
| E-4 | 208/60/3, JB, 30A, 48" AFF IW - HALF-SIZE COMBI OVEN #26 |
| E-10 | 120/60/1, SR, 4.7A, 24" AFF IW - WORKTOP FREEZER #21 |
| E-11 | 120/60/1, DR, 6.3A, 24" AFF IW - FRYER DUMP STATION #29 |
| E-12 | 120/60/1, SR, 3.0A, 24" AFF IW - REFRIGERATED EQUIPMENT STAND #32 |
| E-13 | 120/60/1, DR, 9.0A, 24" AFF IW - HEATED CABINET #35 |
| E-14 | 208/60/1, SR (NEMA 6-30P), 24A, 48" AFF IW - TOASTER #36 |
| E-15 | 120/60/1, SR, 3.0A, 24" AFF IW - REFRIGERATED PREP TABLE #38 |
| E-16 | 208/60/1, SR (NEMA 6-20P), 15A, 24" AFF IW - HOT FOOD TABLE #41 |
| E-17 | 120/60/1, SR, 7.4A, 90" AFF IW - REACH-IN FREEZER #42 |
| E-18 | 120/60/1, DR, 2.0A, 54" AFF IW - LIGHTED LIQUOR DISPLAY #43 |
| E-19 | 120/60/1, SR, 2.2A, 24" AFF IW - BACK BAR COOLER #44 |
| E-20 | 120/60/1, DR, (20A SERVICE), 54" AFF IW (E.C. TO VERIFY UTILITIES W/ OWNER) - POS #45 |
| E-21 | DATA RECEPTACLE, JB, 54" AFF IW (E.C. TO EXTEND HOMERUN TO OFFICE, VERIFY LOCATION W/ OWNER) - POS #45 |
| E-22 | 120/60/1, SR, 2.7A, 24" AFF IW - BEER COOLER #46 & #49 |
| E-23 | 120/60/1, SR, 2.7A, 24" AFF IW - MUG FROSTER #63 |
| E-24 | 120/60/1, DR, 12A, 24" AFF IW - GLASSWASHER #65 |
| E-25 | 120/60/1, DR, 14.4A, 48" AFF IW, (E.C. TO VERIFY UTILITIES W/ OWNER) - COFFEE BREWER #64 |
| E-26 | 120/60/1, DR, (20A SERVICE), 12" AFF IW (E.C. TO VERIFY UTILITIES W/ OWNER) - DROP-IN SODA / ICE DISPENSER #13 |
| E-27 | 120/60/1, SR, 3.0A, 24" AFF IW - 1/6" REFRIGERATOR #15 |
| E-28 | 120/60/1, SR, 10.85A, 24" AFF IW - REFRIGERATED SELF-SERVICE CASE #16 |
| E-29 | 120/60/1, DR, (20A SERVICE), 24" AFF IW (E.C. TO VERIFY UTILITIES W/ OWNER) - POS #71 |
| E-30 | DATA RECEPTACLE, JB, 24" AFF IW (E.C. TO EXTEND HOMERUN TO OFFICE, VERIFY LOCATION W/ OWNER) - POS #71 |
| E-31 | 120/60/1, DR, (20A SERVICE), 36" AFF IW (E.C. TO VERIFY UTILITIES W/ OWNER) - SELF SERVICE KIOSK #19 |
| E-32 | DATA RECEPTACLE, JB, 36" AFF IW (E.C. TO EXTEND HOMERUN TO OFFICE, VERIFY LOCATION W/ OWNER) - SELF SERVICE KIOSK #19 |
| E-33 | 120/60/1, DR, 1.7A, 90" AFF IW - HALF-SIZE COMBI OVEN VENTLESS HOOD #26 |
| E-34 | 480/60/3, JB, 21A, 24" AFF IW - ELECTRIC FRYER #31 |
| E-35 | 480/60/3, JB, 24.2A, 24" AFF IW - ELECTRIC COUNTERTOP GRIDDLE #33 |
| E-36 | 208/60/1, SR (NEMA 6-30P), 23.1A, 12" AFF IW - ELECTRIC CHEESEMELTER #34 |
| | |
| EC-1 | 120/60/1, DR, (20A SERVICE), 48" AFF IW - CONVENIENCE RECEPTACLE |
| EC-2 | 120/60/1, DR, (20A SERVICE), 54" AFF IW - CONVENIENCE RECEPTACLE |
- | LEGEND | |
|--------|----------------------------|
| | CHR CHILLED WATER RETURN |
| | CHS 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 |
| | AWL AT WALL LINE |
| | DFA DOWN FROM ABOVE |
| | HP HORSE POWER |
| | IW IN WALL |
| | KW KILOWATT |
| | OWW OUT OF WALL |
| | SU STUB UP |
| | LOWL LENGTH OF WALL |
- The diagram is a detailed electrical rough-in plan for a kitchen. It shows the layout of various kitchen equipment including a cooler, reach-in freezers, a food processor, slicer, food processor, ice machine, combi oven, worktop freezer, fryer dump station, refrigerated equipment stand, heated cabinet, toaster, refrigerated prep table, hot food table, mug froster, glasswasher, coffee brewer, drop-in soda/ice dispenser, refrigerator, self-service case, POS systems, data receptacles, self-service kiosks, electric fryer, electric countertop griddle, and electric cheesemelter. Electrical symbols for outlets, switches, and conduits are placed throughout the plan, often with callouts like E-1, E-2, etc. Dimensions for equipment and clearances are provided. The plan is oriented with a north arrow pointing towards the top right. The title 'EQUIPMENT ELECTRICAL ROUGH IN PLAN' is centered at the bottom, with a scale of 1/4" = 1'-0".
- EQUIPMENT ELECTRICAL ROUGH IN PLAN
- SCALE: 1/4" = 1'-0"
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- | No. | Description | Date |
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| | | |
- EQUIPMENT
ELECTRICAL ROUGH
IN PLAN

DOA Permit Number

Project number2025-059

Date02/23/2026

Drawn by

Checked by

FS-3

Scale1/4" = 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".

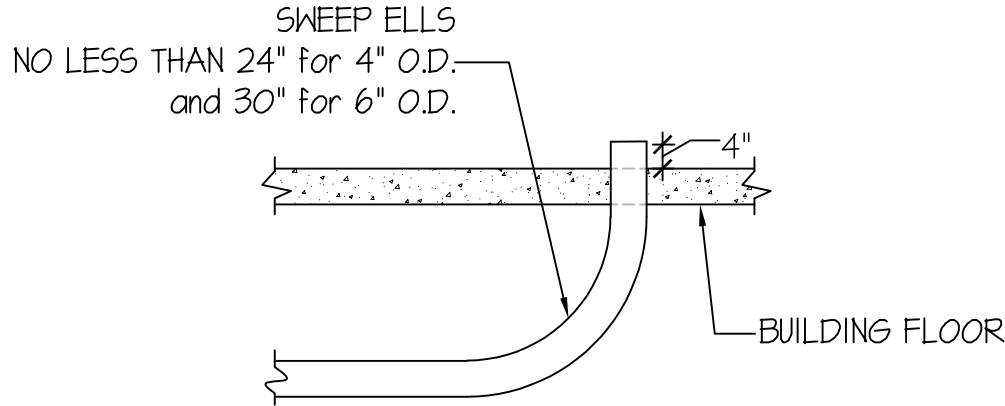
2. WALLS, FLOORS, AND CEILINGS IN THE KITCHEN, PREP, SERVICE, AND DISHWASHING AREAS OR ANY OTHER AREA WHERE FOOD AND BEVERAGE ARE PREPARED SHALL BE SMOOTH, EASILY CLEANABLE, NON-ABSORBENT, AND DURABLE. WALLS AND CEILINGS SHALL BE LIGHT COLORED.

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.

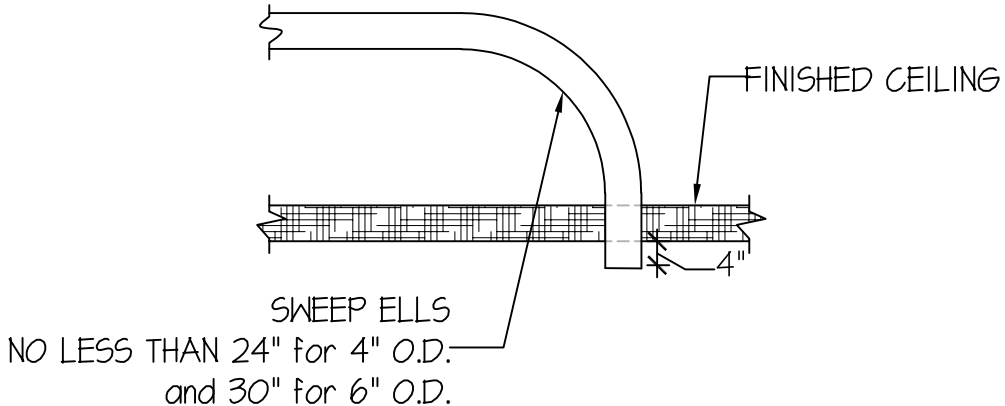
5. FLOOR LOADING CAPACITY SHALL BE A MINIMUM OF 100 LBS. PER SQUARE FOOT OR AS REQUIRED BY LOCAL CODES.

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 HOLDING OR COVERED INTEGRAL 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.



NOTE:
Bends shall be long sweep type, of the same grade and coated in the same manner as the tubing specified above. Minimum centerline radius of all bends shall be 24" for 4" O.D. and 30" for 6" O.D. No segmented elbows or short radius plumbing elbows shall be permitted..

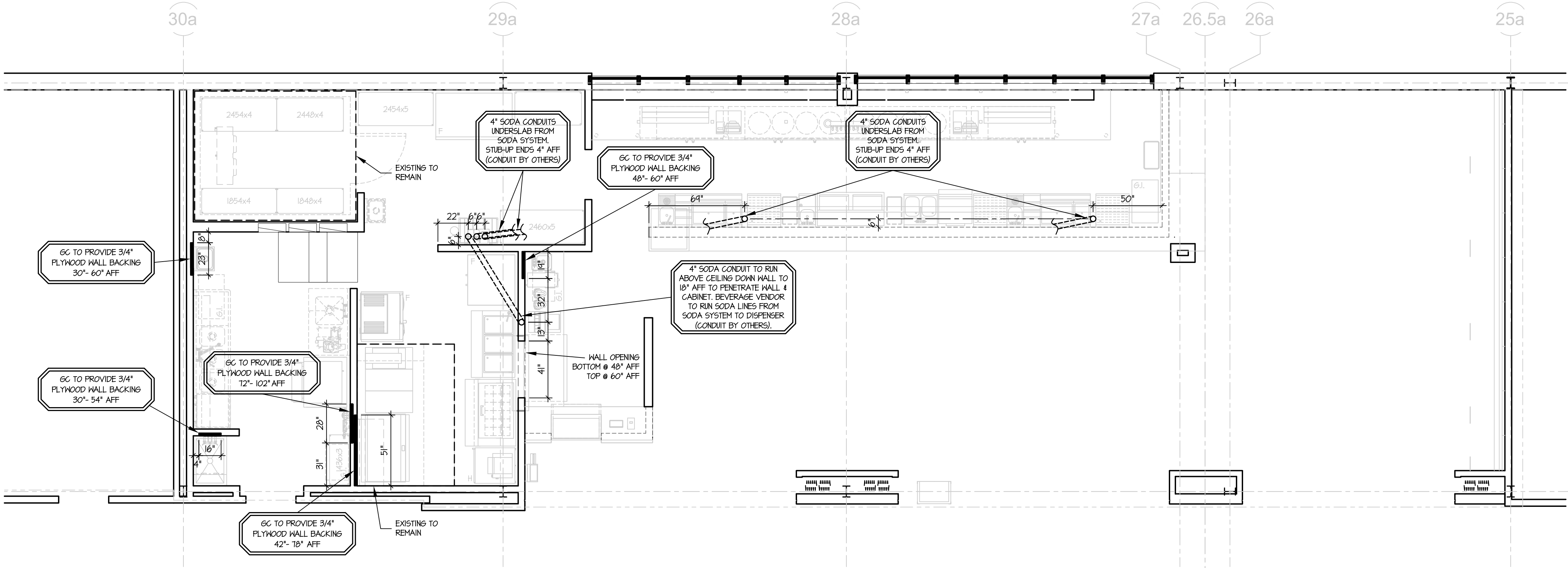
UNDERSLAB CONDUIT SWEEP DETAIL



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ABOVE CEILING CONDUIT SWEEP DETAIL

LEGEND		
	CHR	CHILLED WATER RETURN
	CHS	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
	AWL	AT WALL LINE
	DFA	DOWN FROM ABOVE
	HP	HORSE POWER
	IW	IN WALL
	KW	KILOWATT
	OOW	OUT OF WALL
	SU	STUB UP
	LOW	LENGTH OF WALL



SPECIAL CONDITIONS PLAN

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

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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date

SPECIAL
CONDITIONS
PLAN

DOA Permit Number

Project number2025-059

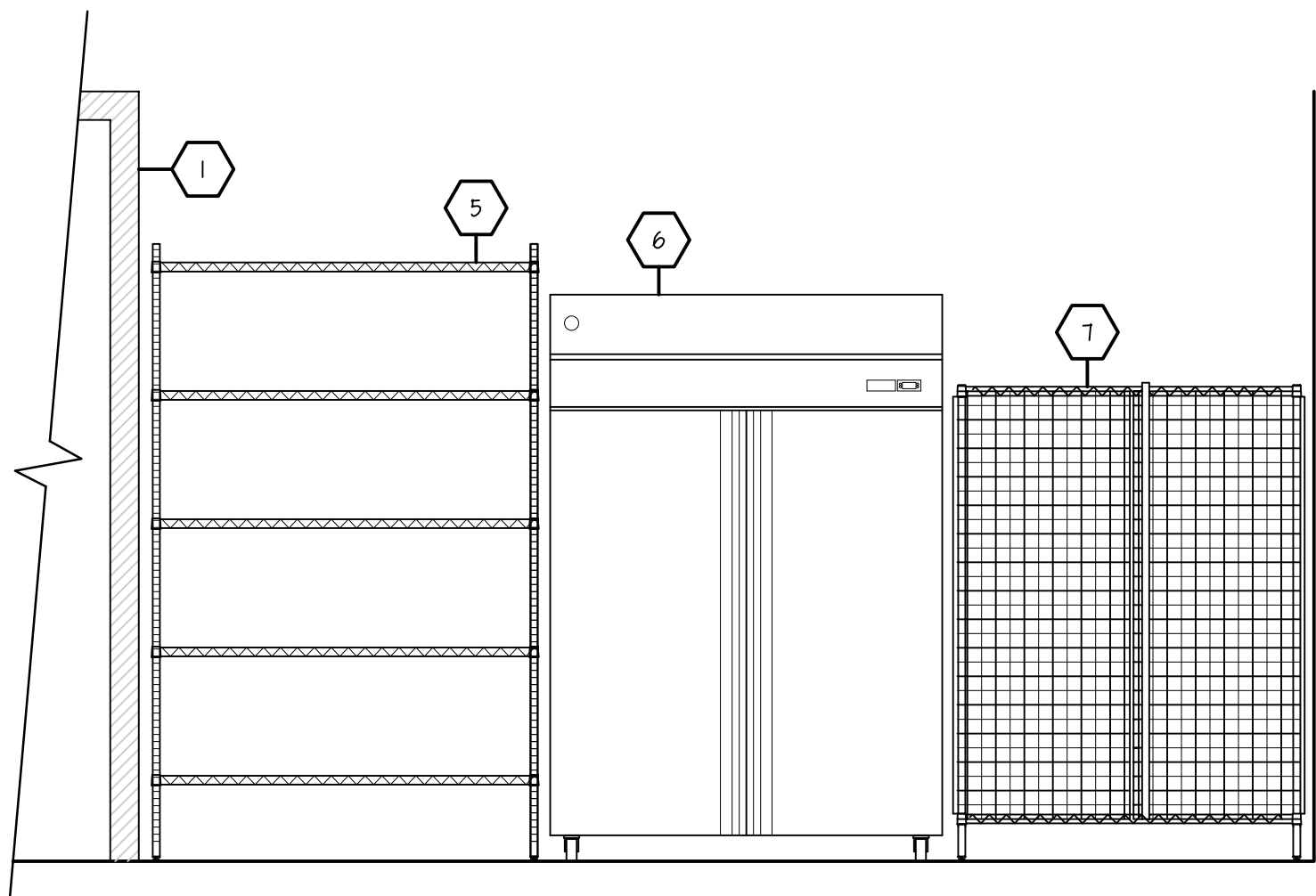
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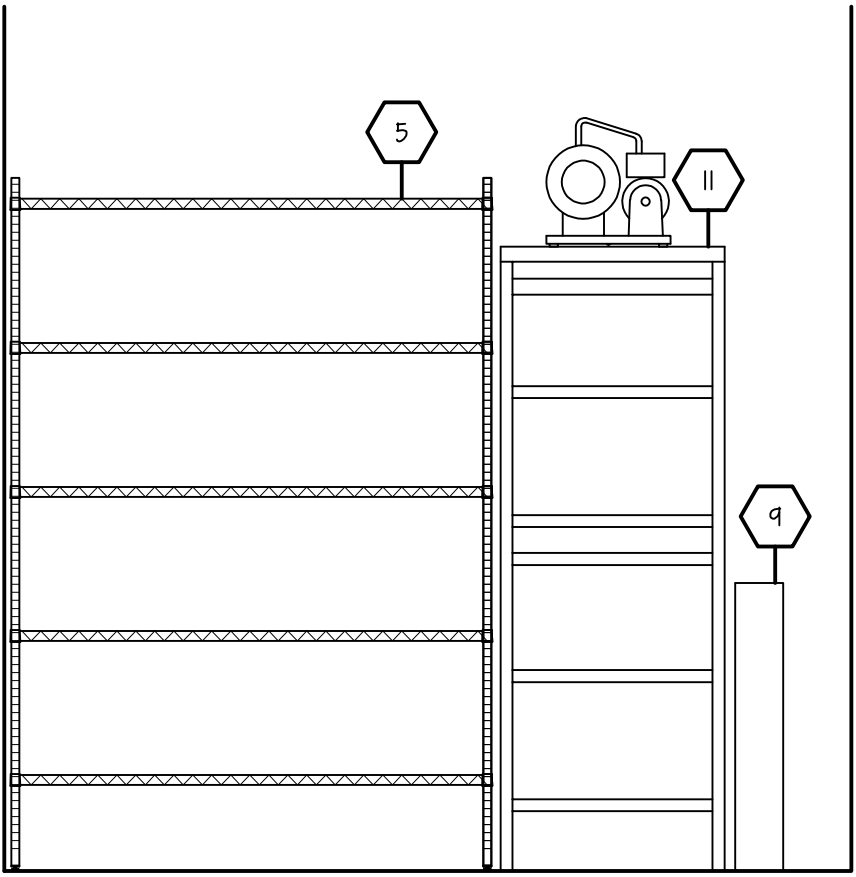
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Scale1/4" = 1'-0"



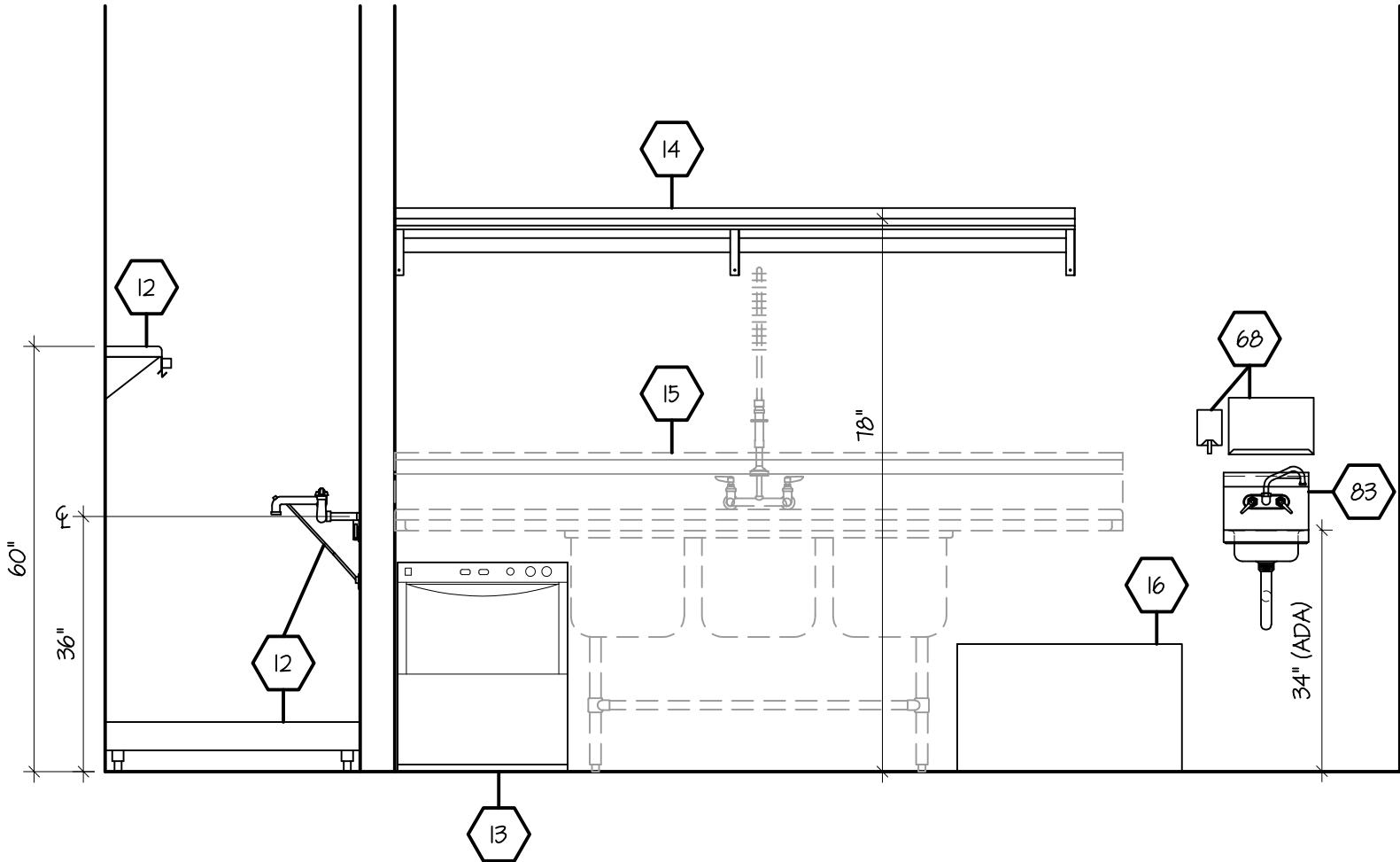
ELEVATION #1

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



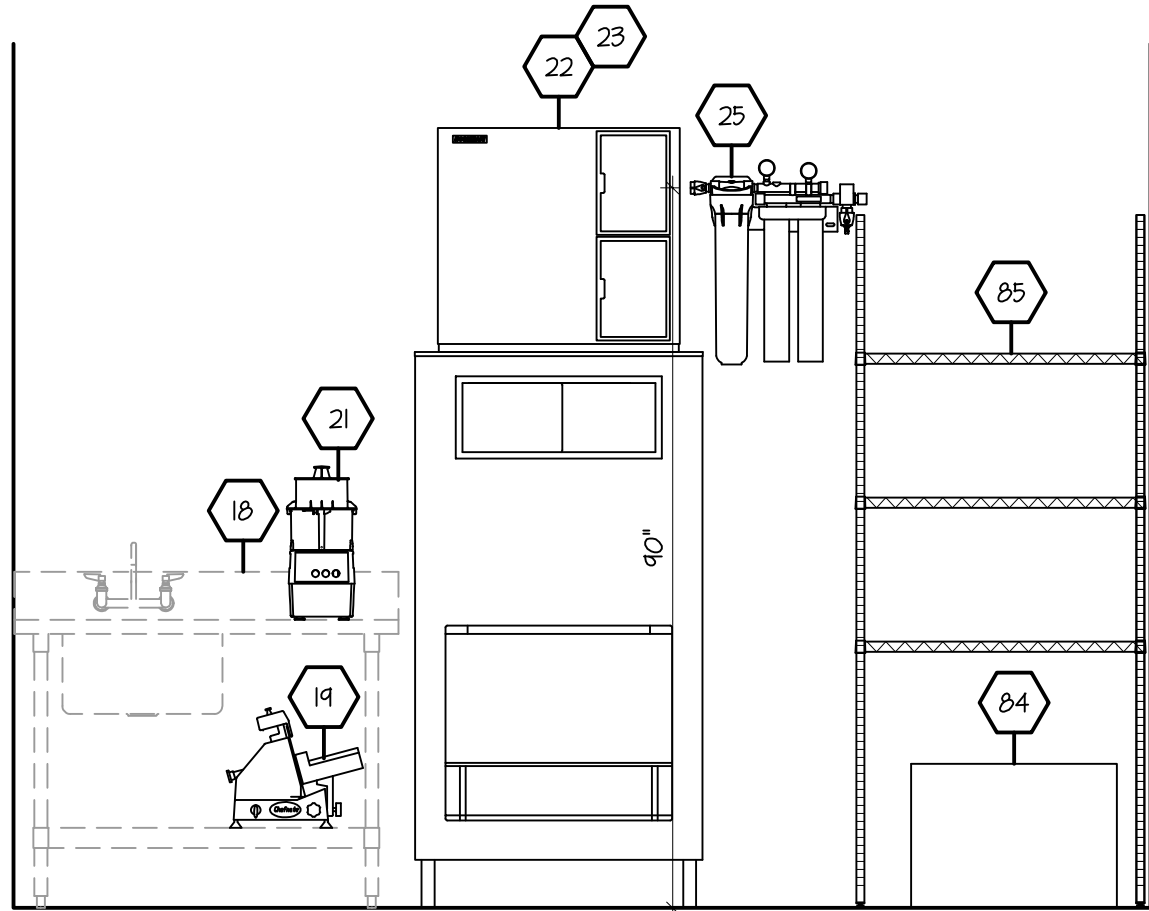
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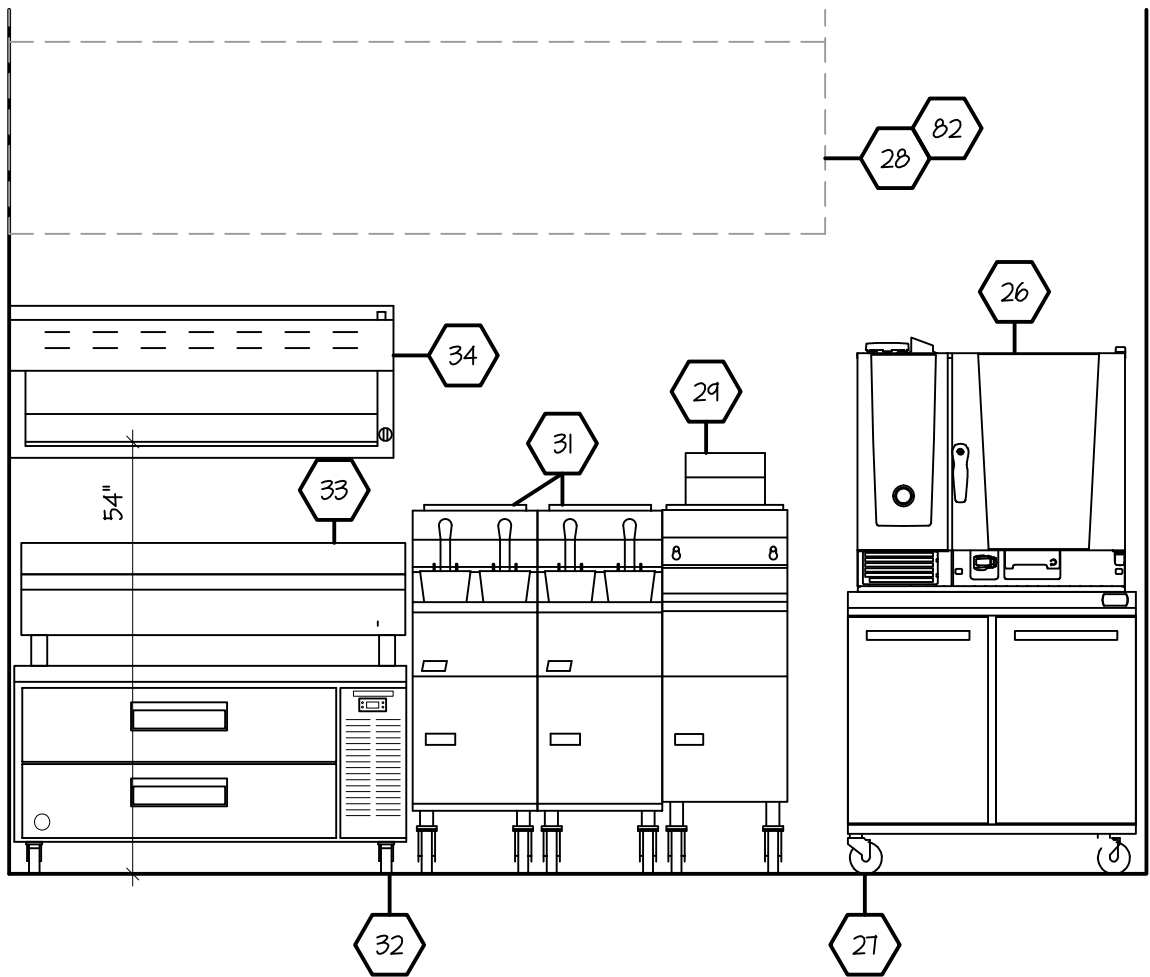
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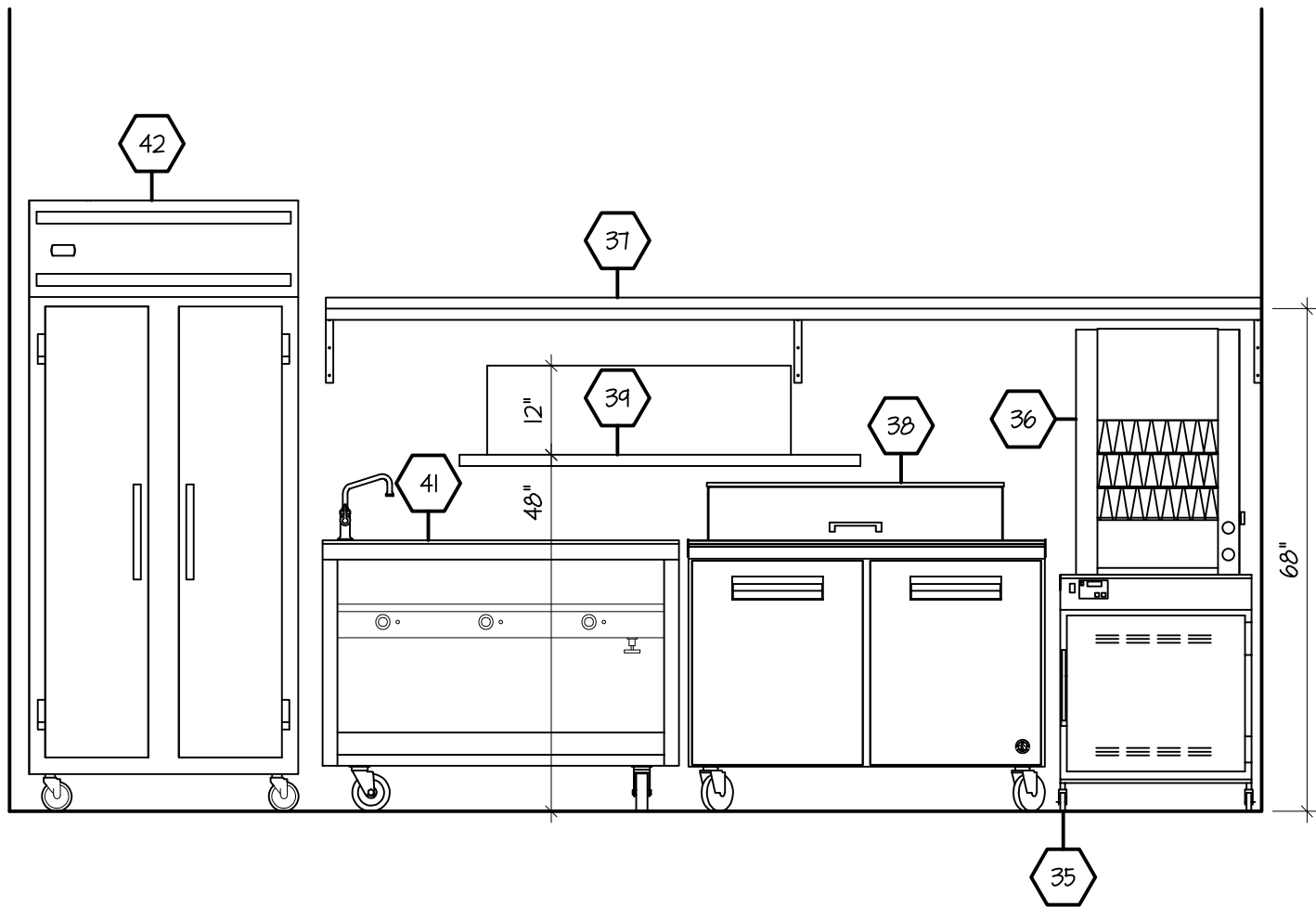
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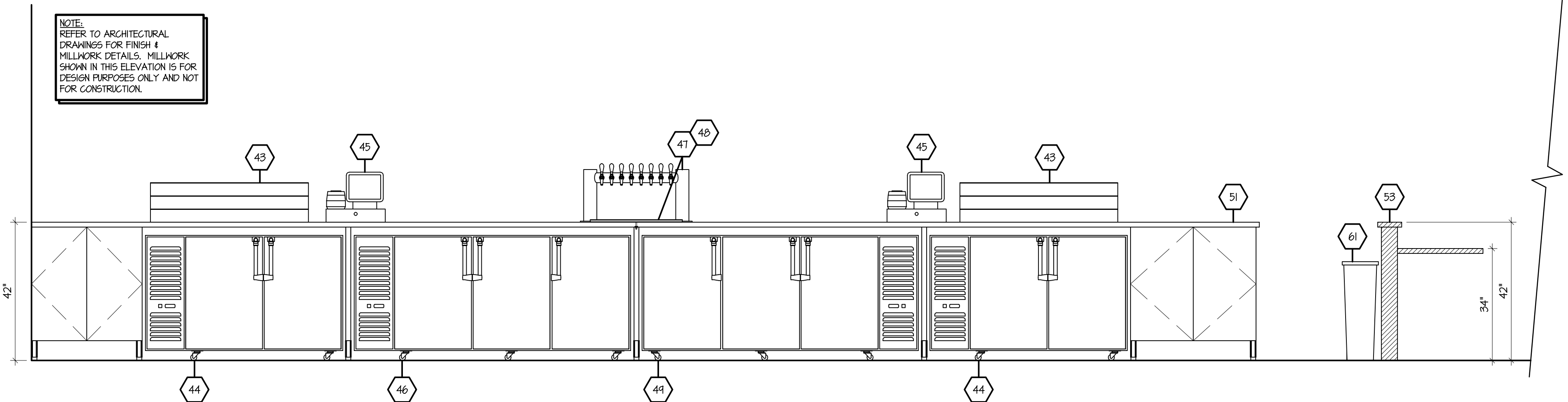
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SCALE: 1/2" = 1'-0"



ELEVATION #6

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



ELEVATION #7

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

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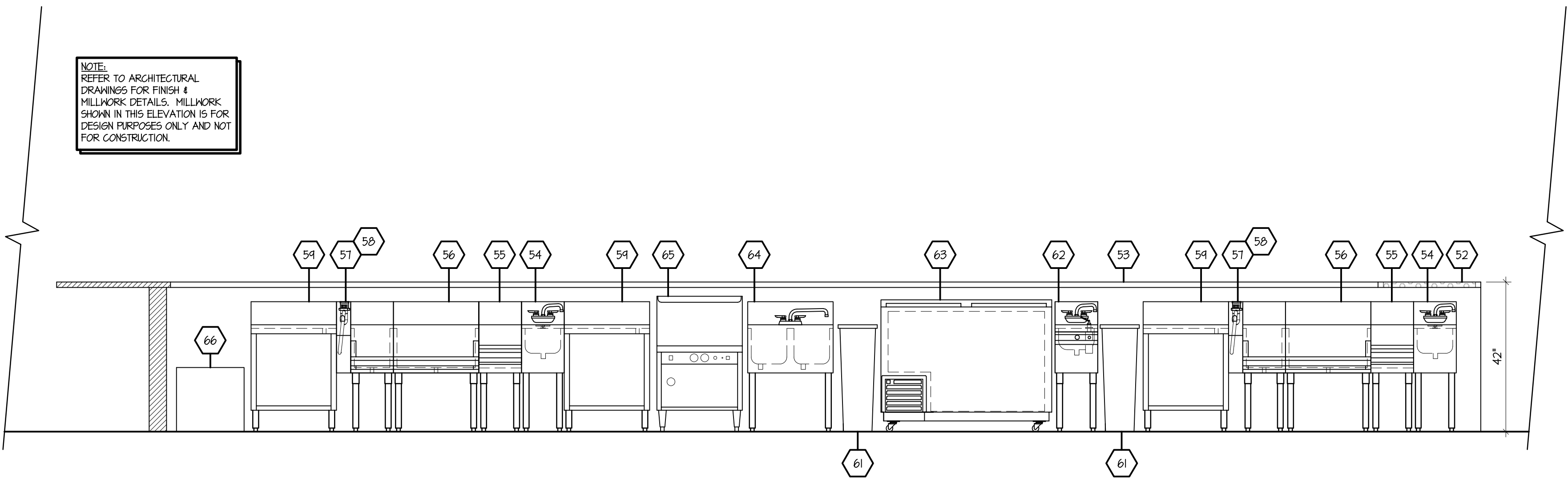
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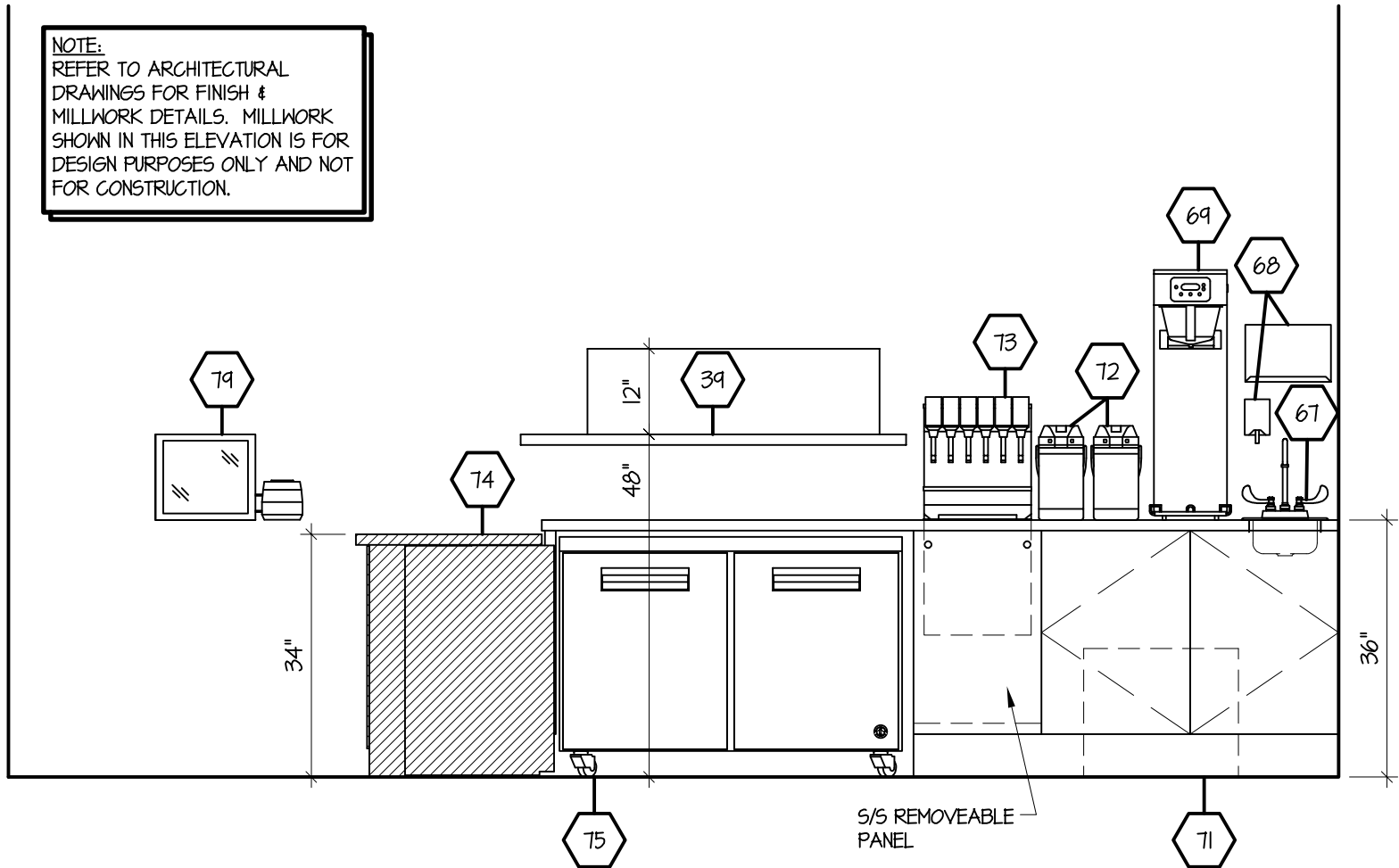
FS-5

Scale 1/2" = 1'-0"

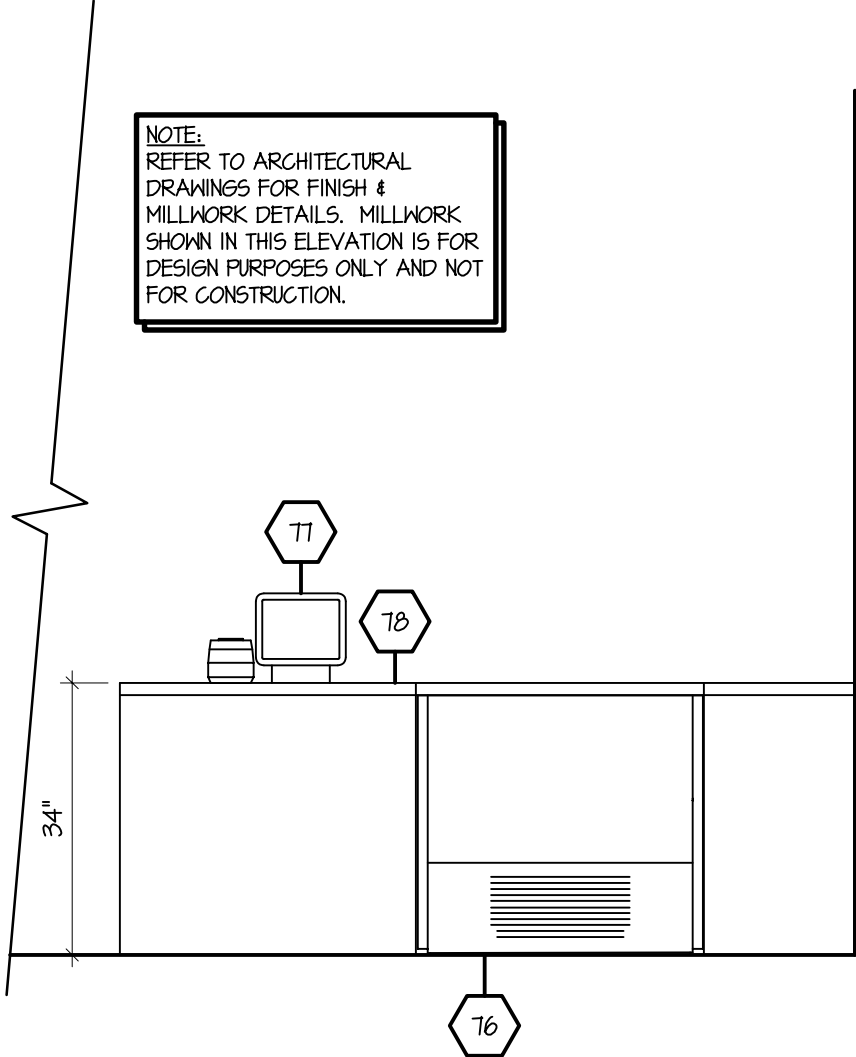
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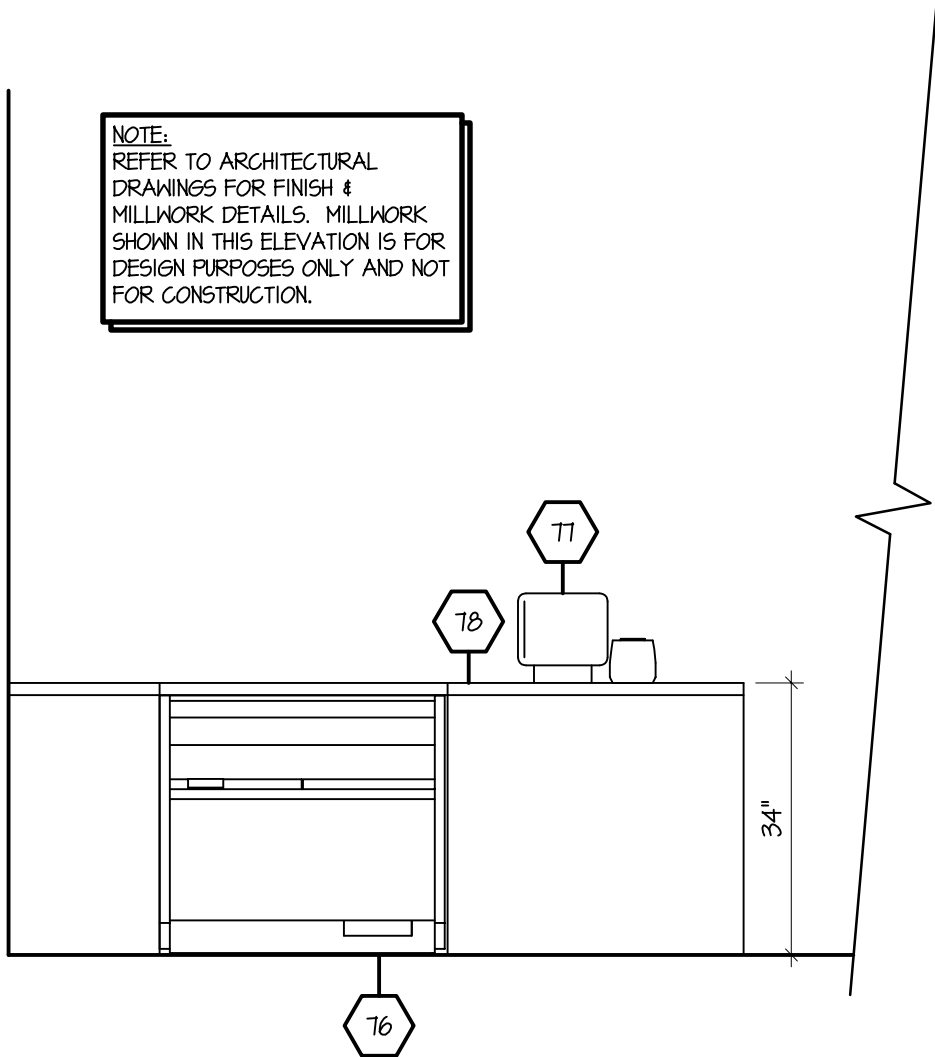
ELEVATION #8
SCALE: 1/2" = 1'-0"



ELEVATION #9
SCALE: 1/2" = 1'-0"



ELEVATION #10
SCALE: 1/2" = 1'-0"



ELEVATION #11
SCALE: 1/2" = 1'-0"

ELEVATION #8
SCALE: 1/2" = 1'-0"

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ELECTRICAL
PLUMBING

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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date

ELEVATIONS

DOA Permit Number
Project number 2025-059
Date 02/23/2026
Drawn by
Checked by

FS-5.1

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 TENANT'S 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 MWAA DESIGN MANUAL AT THE TIME OF THE PERMIT SUBMISSION.
4. A MINIMUM 18" OF CLEARANCE SHALL BE MAINTAINED BETWEEN THE FACE OF ANY MWAA BASE BUILDING STRUCTURE, EQUIPMENT, RAILINGS, WINDOW WALLS, ETC. AND ANY TENANT INSTALLED FEATURES.
5. MWAA 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 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 WITH DOA 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 DEMOISHED 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. CAPPED AND SEALED.
10. THE 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 TO MWAA.
13. NO ATTACHMENT (LOAD/NON LOAD) TO THE BASE BUILDINGS "YELLOW" STRUCTURAL MEMBERS IS ALLOWED WITHOUT SPECIFIC WRITTEN APPROVAL BY MWAA.
14. UTILITIES TO REMAIN SHALL BE BROUGHT INTO COMPLIANCE WITH THE MOST RECENT ADOPTED MWAA 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 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 MWAA COMMUNICATION ROOM, WHICHEVER CONDUIT RUN IS SHORTEST.
19. THE USE OF PVC ABOVE GROUND FOR ELECTRICAL, PLUMBING OR MECHANICAL IS PROHIBITED.

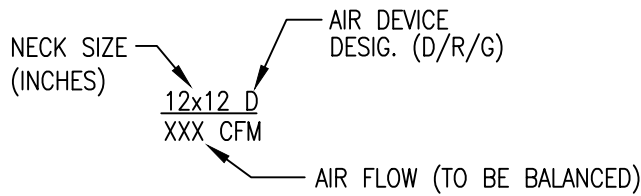
GENERAL NOTES

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
		MOD	MOTOR OPERATED DAMPER
BHP	BRAKE HORSEPOWER	MTD	MOUNTED
BLDG	BUILDING	MVD	MANUAL VOLUME DAMPER
BLW	BELOW		
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	OED	OPEN END DUCT WITH 1/2" WIRE MESH SCREEN
CHWS	CHILLED WATER SUPPLY PIPE		
CLC	CEILING		
CONN	CONNECT, CONNECTION	%	PERCENT
CX	CONNECT TO EXISTING	PH	PHASE
		POD	POINT OF DISCONNECTION
D	SUPPLY AIR DIFFUSER OR DEEP, DEPTH	PR	PRESSURE RELIEF
DB	DECIBEL OR DRY BULB	PRESS, P	PRESSURE
DDC	DIRECT DIGITAL CONTROL	PS	PRESSURE SENSOR
DIA, Ø	DIAMETER	PSI	POUNDS PER SQUARE INCH
DIFF	DIFFERENTIAL	PSIG	POUNDS PER SQUARE INCH GAUGE
DN	DOWN		
DWG	DRAWING	R	RETURN
		RA	RETURN AIR
EA	EXHAUST AIR	REQ'D	REQUIRED
EAT	ENTERING AIR TEMPERATURE	RF	RETURN FAN
EAB	ENTERING DRY BULB	RH	RELATIVE HUMIDITY
EFF	EFFICIENCY	RL	RELOCATED
EF	EXHAUST FAN	RLA	RUNNING LOAD AMPERES
ELEC	ELECTRIC	RM	ROOM
ELEV	ELEVATION OR ELEVATOR	RFM	REVOLUTIONS PER MINUTE
ER	EXISTING TO BE RELOCATED	RX	REMOVE EXISTING
ESP	EXTERNAL STATIC PRESSURE		
EWB	ENTERING WET BULB	SA	SUPPLY AIR
EWI	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	SQ	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		
HP	HORSEPOWER	UON	UNLESS OTHERWISE NOTED
HWR	HEATING WATER RETURN		
HWS	HEATING WATER SUPPLY	V	VOLTS, VACUUM PIPE
HZ	HERTZ	VD	VOLUME DAMPER
		VEL	VELOCITY
IN, "	INCH, INCHES	VENT	VENTILATION
		ISOL VLV	ISOLATION VALVE
KW	KILOWATTS		
		W	WIDTH
L	LONG, LENGTH	W/	WITH
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LBS	POUNDS	WC	WATER COLUMN
LBS/HR	POUNDS PER HOUR	W/O	WITHOUT
LD	LINEAR DIFFUSER		
LDB	LEAVING DRY BULB		
LF	LINEAR FEET		
LR	LINEAR RETURN		
LWB	LEAVING WET BULB		
LWT	LEAVING WATER TEMPERATURE		

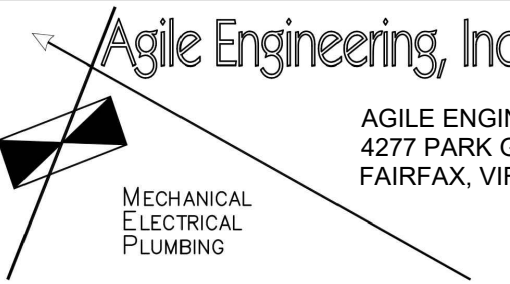
ABBREVIATIONS

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03/24/2026



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NORFOLK, VA 23518
CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

MECHANICAL
LEGEND
AND NOTES

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

MO.1

Scale	1/4" = 1'-0"
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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 |
|--|---|
| SMACTA 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 |
| SMACTA 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 | SMACTA SEAL CLASS | SMACTA 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 WELD.
- 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 SMACTA. 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.
- 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 SMACTA.

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 AGTAIR, ANEMOSTAT, KRUEGER, METALAIRE 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 SMACTA.
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/CF DENSITY FIBROUS GLASS DUCT WRAP, WITH FOIL-KRAFT FLAME RESISTANT VAPOR BARRIER.

2.3 ESCUTCHEONS AND DUCT COLLARS

- A. PROVIDE ADJUSTABLE ESCUTCHEONS ON EXPOSED PIPING THAT PASSES THROUGH FINISHED FLOORS, WALLS AND CEILINGS. ESCUTCHEONS 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 UPS 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 SIEMENS 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 CUT OUTS 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 CD50 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 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 VROGUARD OR APPROVED EQUAL.

2.6 SERIES FAN POWERED VAV BOX

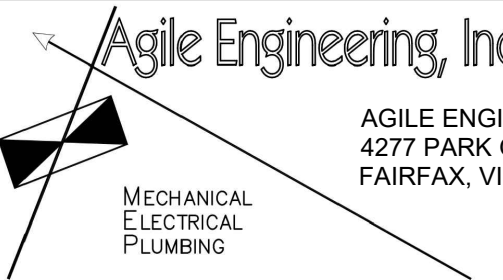
- A. GENERAL:
1. UNITS SHALL BE UL LISTED.
2. CASING: UNITS SHALL HAVE A RUGGED SHEET METAL AND STEEL FRAME CONSTRUCTION AND SHALL BE COATED WITH ENAMEL FINISH.
3. COIL: ALUMINUM FIN SURFACE SHALL BE MECHANICALLY BONDED TO 1/2-INCH OD COPPER TUBING. COILS ARE FACTORY PRESSURE AND LEAK TESTED.
4. FAN: 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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No.	Description	Date
	100% SUBMITTAL	03/24/2026

MECHANICAL
SPECIFICATIONS

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

M0.2

Scale	1/4" = 1'-0"
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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:
 - 1. HE IS A AN OFFICER OF THE COMPANY,
 - 2. HE HAS PERSONALLY INSPECTED THE INSTALLATION TO BE CHECKED,
 - 3. THE DATE OF HIS INSPECTION,
 - 4. 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
 - 1. PROVIDE PIPE AND DUCT SLEEVES AS SPECIED AT PENETRATIONS OF FOUNDATIONS, WALLS, SLABS (EXCEPT ON-GRADE), PARTITIONS AND FLOORS.
 - 2. 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.
 - 3. SLEEVES THROUGH FLOORS SHALL BE WATER-TIGHT AND SHALL EXTEND TWO INCHES ABOVE FLOOR SURFACE.
 - 4. SLEEVES THROUGH FIRE AND SMOKE RATED WALL, PARTITIONS AND SLABS SHALL MAINTAIN THE FIRE RATING OF THE CONSTRUCTION PENETRATED.
 - 5. DO NOT SUPPORT PIPING RISERS ON SLEEVES.
- B. INSTALLATION, TESTING, LISTINGS AND APPROVALS
 - 1. 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.
 - 2. 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.
 - 3. 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
 - 1. 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
 - 1. AFTER COMPLETION OF PROJECT, CLEAN THE EXTERIOR SURFACE OF EQUIPMENT INCLUDED IN THIS SECTION, INCLUDING CONCRETE RESIDUE.

3.8 START UP, TESTING AND BALANONG

- A. GENERAL
 - 1. 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.
 - 2. DO NOT COVER OR CONCEAL WORK BEFORE TESTING AND INSPECTION AND OBTAINING APPROVAL.
 - 3. 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.
 - 4. REPORT ON STANDARD REPORTING FORMS, SUBMITTED TO OWNER FOR APPROVAL IN ADVANCE.
 - 5. SUBMIT SIX COPIES OF TESTING AND BALANONG REPORTS TO OWNER FOR APPROVAL.
- B. EQUIPMENT START UP
 - 1. 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
 - 1. 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, NCLUDED WITH CONTROL SYSTEM, IS FULLY DEBUGGED. FOR FURTHER REQUIREMENTS, SEE AUTOMATIC TEMPERATURE CONTROL PARAGRAPHS OF THESE SPECIFICATIONS.
- D. EQUIPMENT TESTING
 - 1. 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.
 - 1. ALL GRILLES, DAMPERS, FANS, COILS, PUMPS, VALVES AND LINKAGES SHALL BE INSTALLED AND OPERATING PRIOR TO BALANONG.
 - 2. SYSTEM SHALL BE CAPABLE OF OPERATING UNDER CONTROL AS SPECIFIED ON DRAWINGS AND/OR CONTAINED HEREIN. RECORDED CFM.

3.9 TESTING AND BALANCING

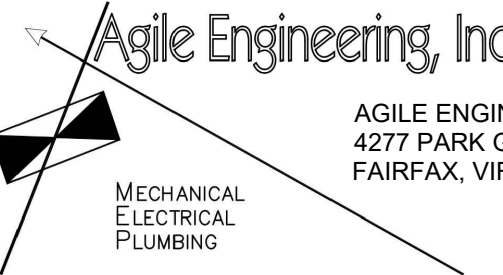
- A. VARIABLE VOLUME AIR SYSTEM
 - 1. PERFORM TESTING AND BALANCING PROCEDURES ON EACH SYSTEM ACCORDING TO THE PROCEDURES CONTAINED IN AABC'S "NATIONAL STANDARDS FOR TESTING AND BALANCING HEATING, VENTILATING, AND AIR CONDITIONING SYSTEMS"NEBB'S "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, AND BALANCING OF ENVIRONMENTAL SYSTEMS"OR SMACNA'S "HVAC SYSTEMS-TESTING, ADJUSTING, AND BALANCING" AND THIS SECTION.
 - 2. 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.
 - 3. CHECK AIRFLOW FROM THE OUTSIDE-AIR LOUVERS AND DAMPERS AND THE RETURN- AND EXHAUST-AIR DAMPERS, THROUGH THE SUPPLY-FAN DISCHARGE AND MIXING DAMPERS.
 - 4. CHECK DAMPERS FOR PROPER POSITION TO ACHIEVE DESIRED AIRFLOW PATH.
 - 5. CHECK FOR PROPER SEALING OF AIR-HANDLING UNIT COMPONENTS.
 - 6. CHECK FOR PROPER SEALING OF AIR DUCT SYSTEM.
 - 7. FINAL REPORT: TYPEWRITTEN, OR COMPUTER PRINTOUT IN LETTER-QUALITY FONT.
- B. HYDRONIC SYSTEM
 - 1. MEASURE FLOW AT ALL PRESSURE-INDEPENDENT CHARACTERIZED CONTROL VALVES, WITH VALVES IN FULLY OPEN POSITION, TO VERIFY THAT VALVES ARE FUNCTIONING AS DESIGNED.
 - 2. SET CALIBRATED BALANCING VALVES, IF INSTALLED, AT CALCULATED PRESETTINGS.
 - 3. MEASURE FLOW AT ALL STATIONS AND ADJUST, WHERE NECESSARY, TO OBTAIN FIRST BALANCE.
 - 4. SYSTEM COMPONENTS THAT HAVE CV RATING OR AN ACCURATELY CATALOGED FLOW-PRESSURE-DROP RELATIONSHIP MAY BE USED AS A FLOW-INDICATING DEVICE.
 - 5. MEASURE FLOW AT MAIN BALANCING STATION AND SET MAIN BALANCING DEVICE TO ACHIEVE FLOW THAT IS 5 PERCENT GREATER THAN INDICATED FLOW.
 - 6. ADJUST BALANCING STATIONS TO WITHIN SPECIFIED TOLERANCES OF INDICATED FLOW RATE AS FOLLOWS:
 - 7. DETERMINE THE BALANCING STATION WITH THE HIGHEST PERCENTAGE OVER INDICATED FLOW.
 - 8. 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.
 - 9. RECORD SETTINGS AND MARK BALANCING DEVICES.
 - 10. MEASURE THE DIFFERENTIAL-PRESSURE-CONTROL-VALVE SETTINGS EXISTING AT THE CONCLUSION OF BALANCING.
 - 11. CHECK SETTINGS AND OPERATION OF EACH SAFETY VALVE. RECORD SETTINGS.
- C. KITCHEN HOOD
 - 1. TESTING PER VIRGINIA MECHANICAL CODE 507.16 IS REQUIRED, CONTRACTOR TO CONTACT MWAA AND OBTAIN ANY OTHER REQUIRED TESTING REQUIREMENTS AND PROTOCOLS FROM MWAA.

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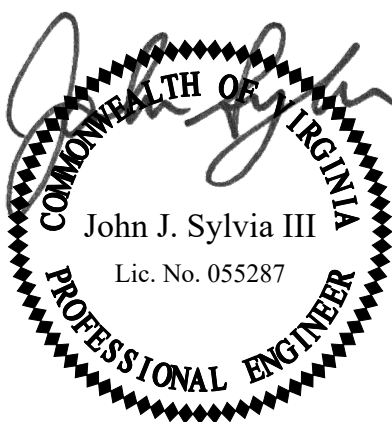
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03/24/2026



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No.	Description	Date
	100% SUBMITTAL	03/24/2026

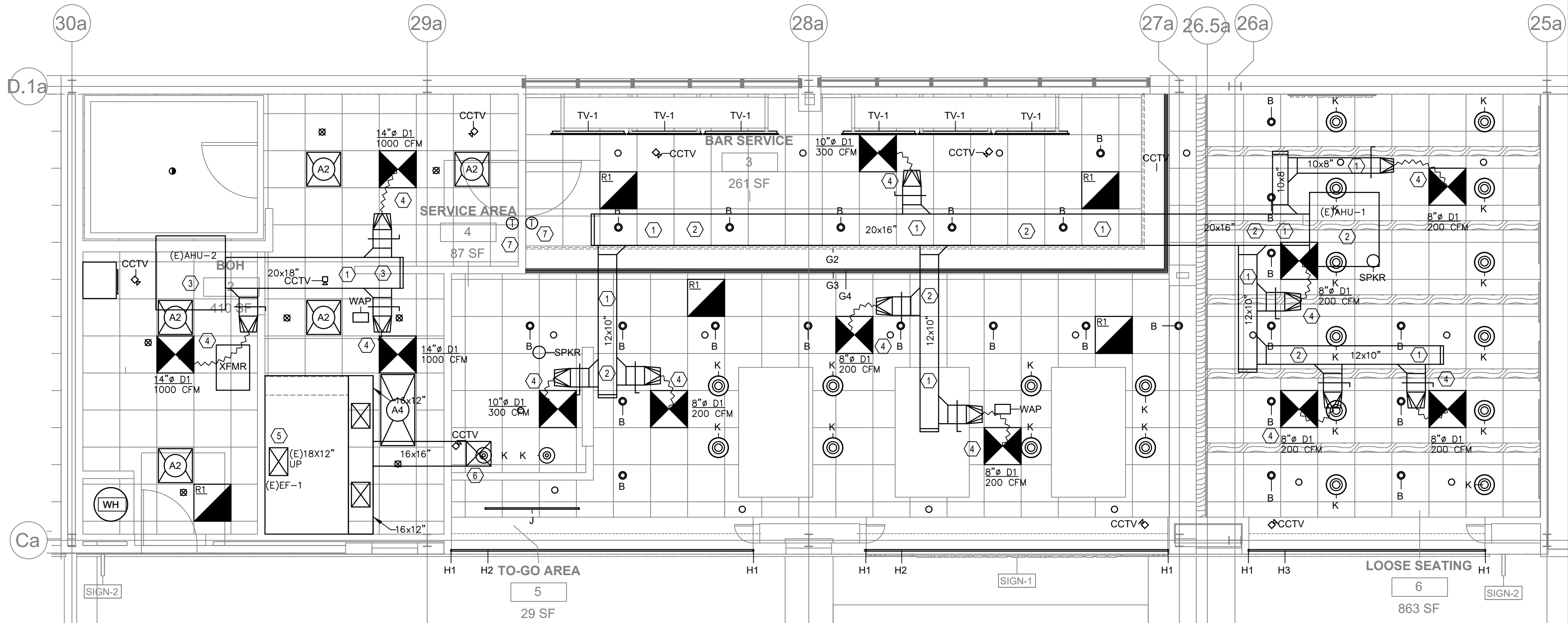
MECHANICAL
SPECIFICATIONS

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

M0.3

Scale	1/4" = 1'-0"
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- 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.

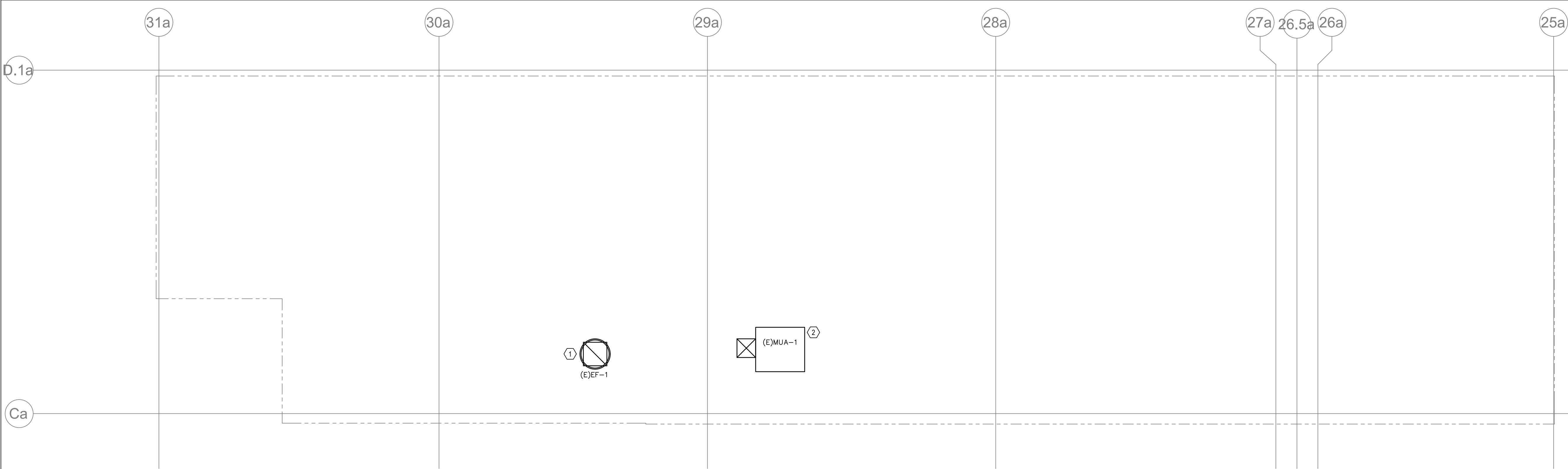
SHEET KEYNOTES:

- MECHANICAL CONTRACTOR TO RE-USE AS MUCH EXISTING SUPPLY AIR DUCTWORK AS POSSIBLE. NOTIFY ENGINEERING OF ANY DISCREPANCIES.
- EXISTING DUCTWORK FROM AHU-1 TO DIFFUSERS TO REMAIN. MECHANICAL CONTRACTOR SHALL FIELD VERIFY EXISTING DUCTWORK SIZE AND LOCATION. MECHANICAL CONTRACTOR TO RESTORE DUCTWORK TO AS NEW CONDITIONS.
- EXISTING DUCTWORK FROM AHU-2 TO DIFFUSERS TO REMAIN. MECHANICAL CONTRACTOR SHALL FIELD VERIFY EXISTING DUCTWORK SIZE AND LOCATION. MECHANICAL CONTRACTOR TO RESTORE DUCTWORK TO AS NEW CONDITIONS.
- SIZE OF FLEXIBLE DUCT AND RIGID ROUND DUCT SHALL MATCH SIZE OF DIFFUSER'S NECK SIZE. FLEXIBLE DUCT SHALL BE INSULATED AND SHALL NOT SAG. DO NOT USE FLEXIBLE AIR CONNECTORS. TYPICAL FOR ALL.
- EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK TO REMAIN. MECHANICAL CONTRACTOR TO BRING EQUIPMENT AND DUCTWORK TO AS-NEW CONDITIONS.
- EXISTING MUA AND ASSOCIATED DUCTWORK TO REMAIN. MECHANICAL CONTRACTOR TO BRING EQUIPMENT AND DUCTWORK TO AS-NEW CONDITIONS.
- MECHANICAL CONTRACTOR TO FIELD VERIFY EXISTING THERMOSTAT LOCATION. PROVIDE NEW THERMOSTAT IN FOH AND BOH AS REQUIRED.

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

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.				



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- 2. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY SOLID (————) SHALL BE NEW WORK AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID (————) SHALL BE EXISTING.
- 3. DO NOT LOCATE DUCTWORK OR PIPING ABOVE ELECTRICAL PANELS OR EQUIPMENT.

SHEET KEYNOTES:

- ① EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK. MECHANICAL CONTRACTOR TO BRING EXHAUST FAN AND ASSOCIATED DUCTWORK TO AS NEW CONDITIONS.
- ② EXISTING MUA AND ASSOCIATED DUCTWORK TO REMAIN. MECHANICAL CONTRACTOR TO BRING MUA AND ASSOCIATED DUCTWORK TO AS NEW CONDITIONS.

1 MECHANICAL ROOF PLAN
M2.0 SCALE: 1/4" = 1' - 0"

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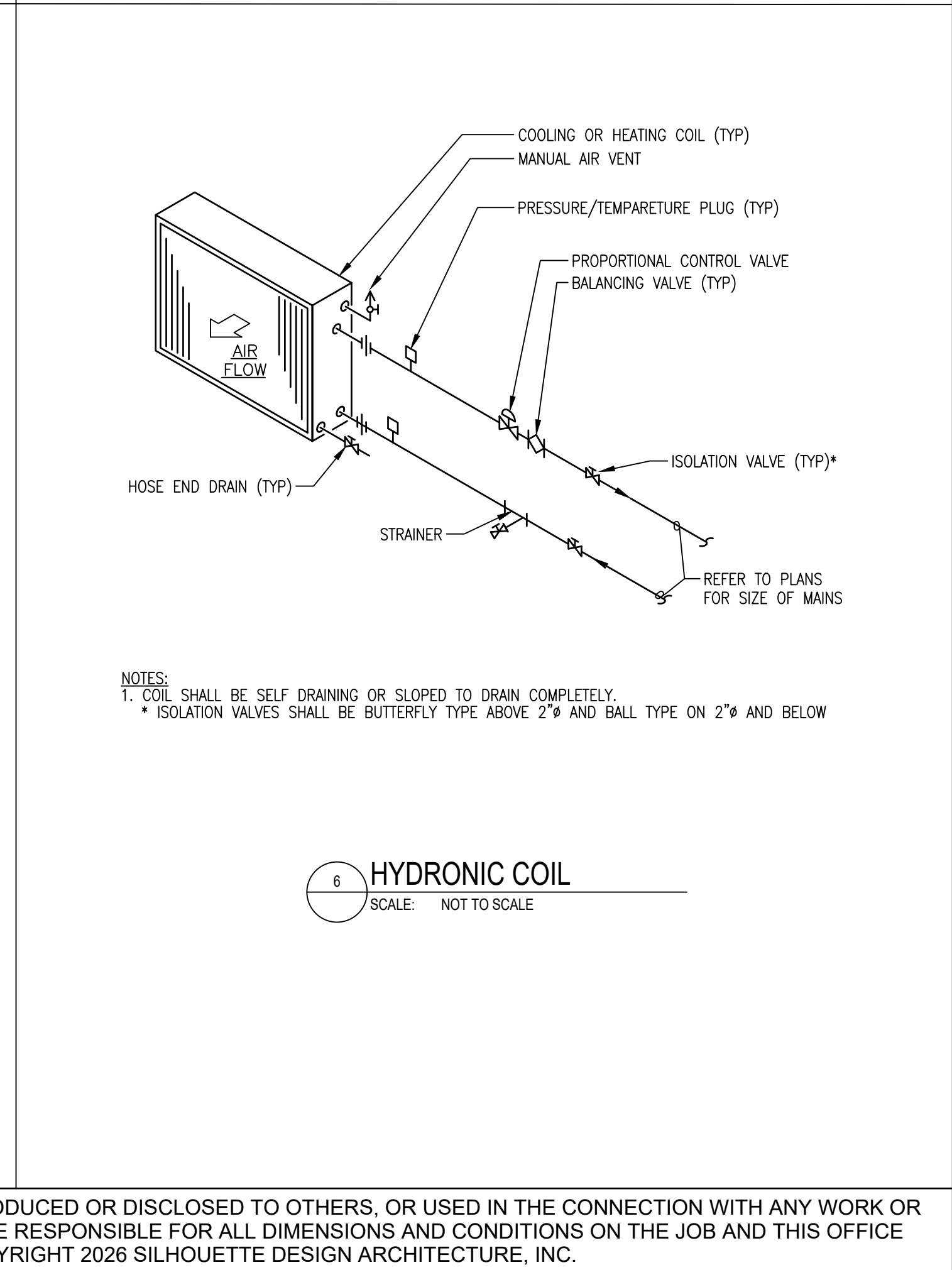
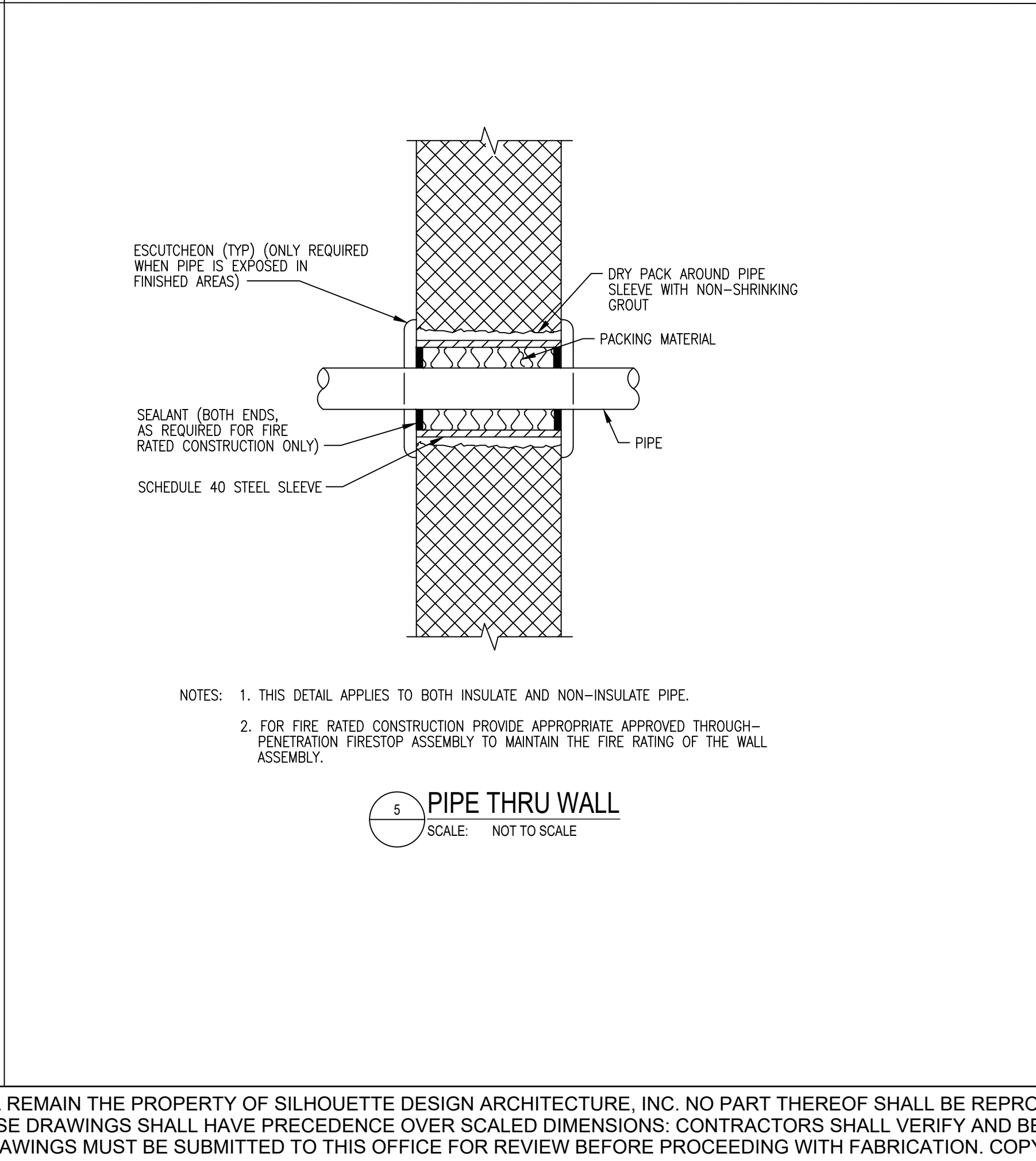
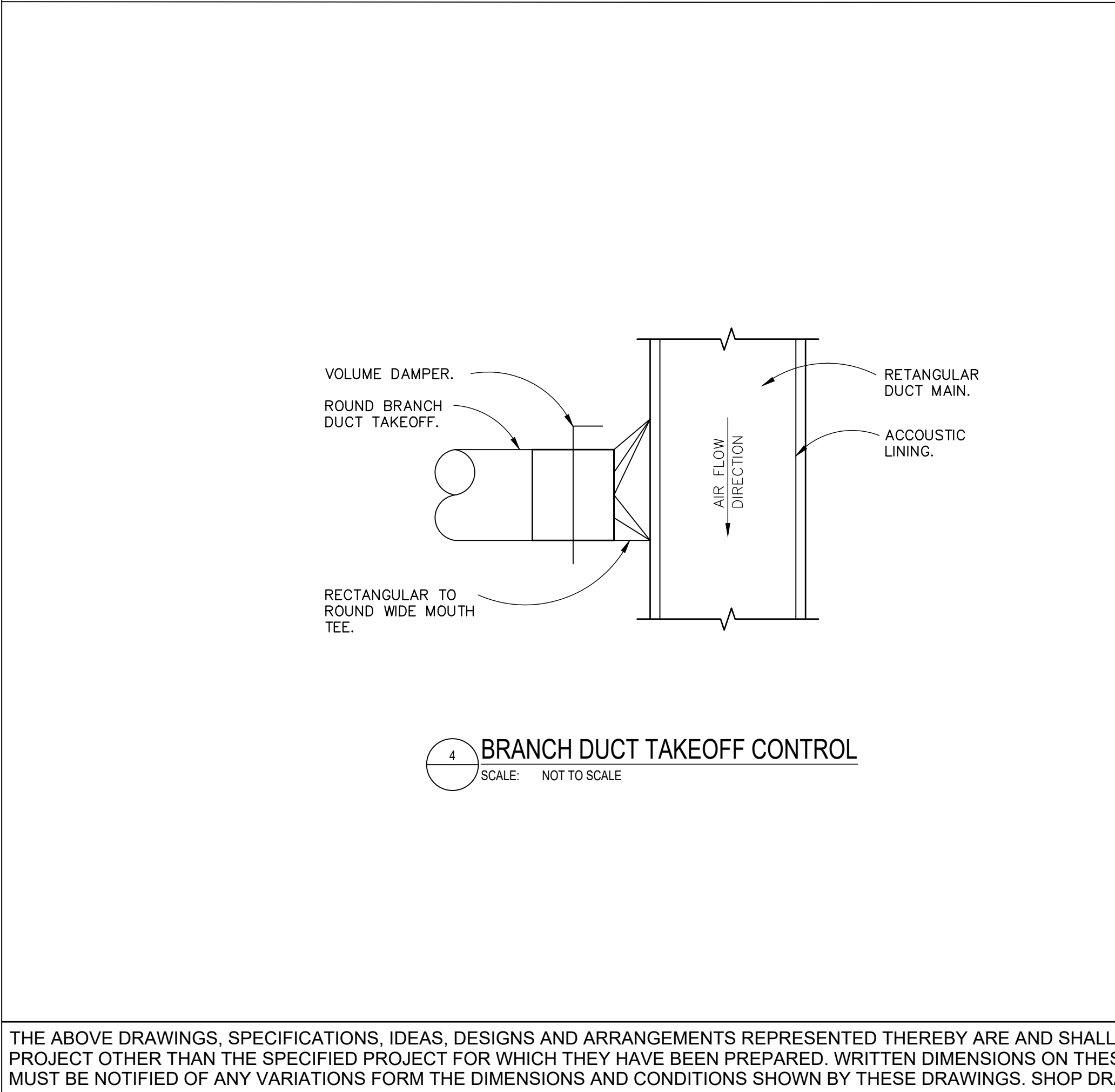
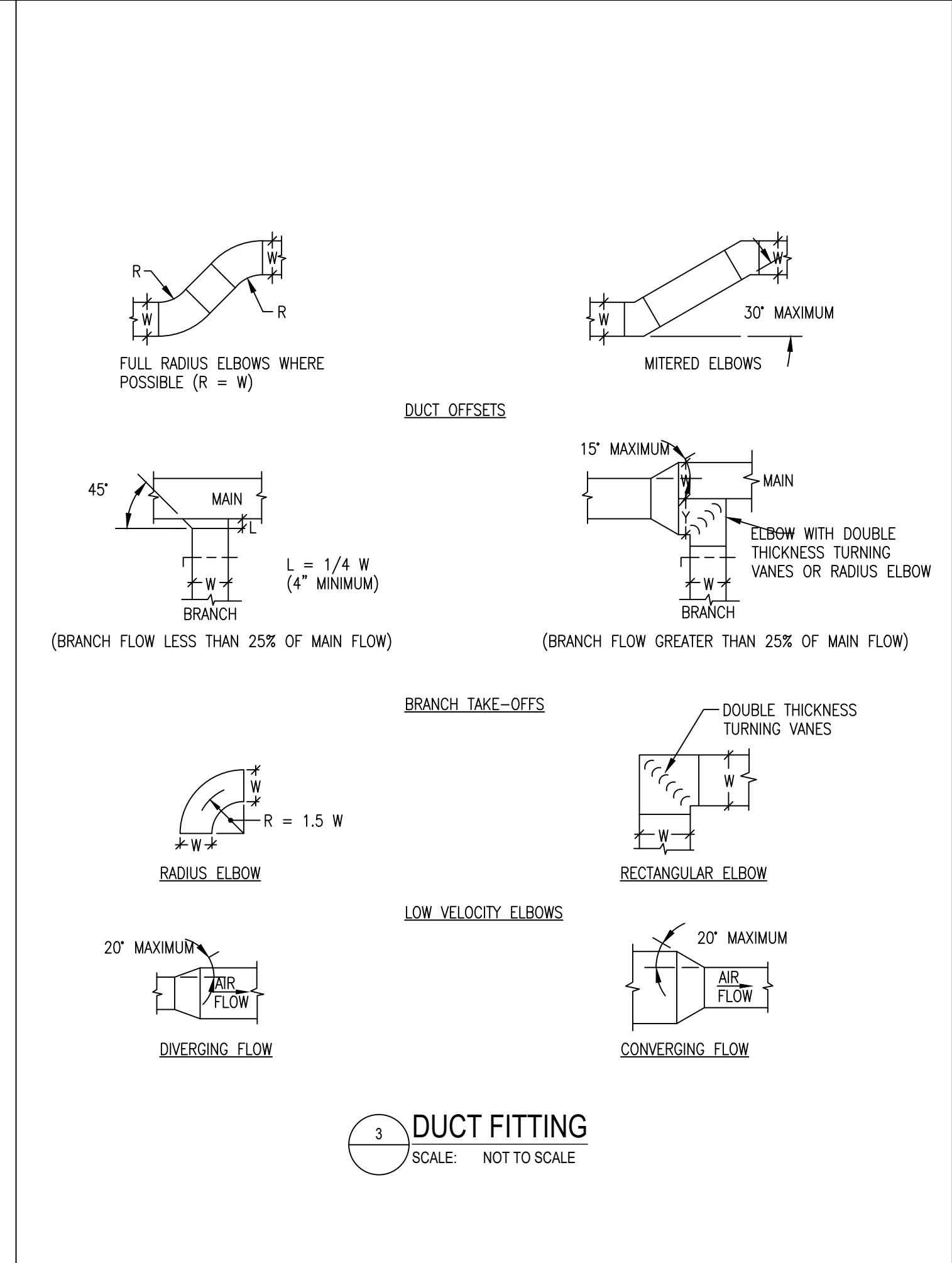
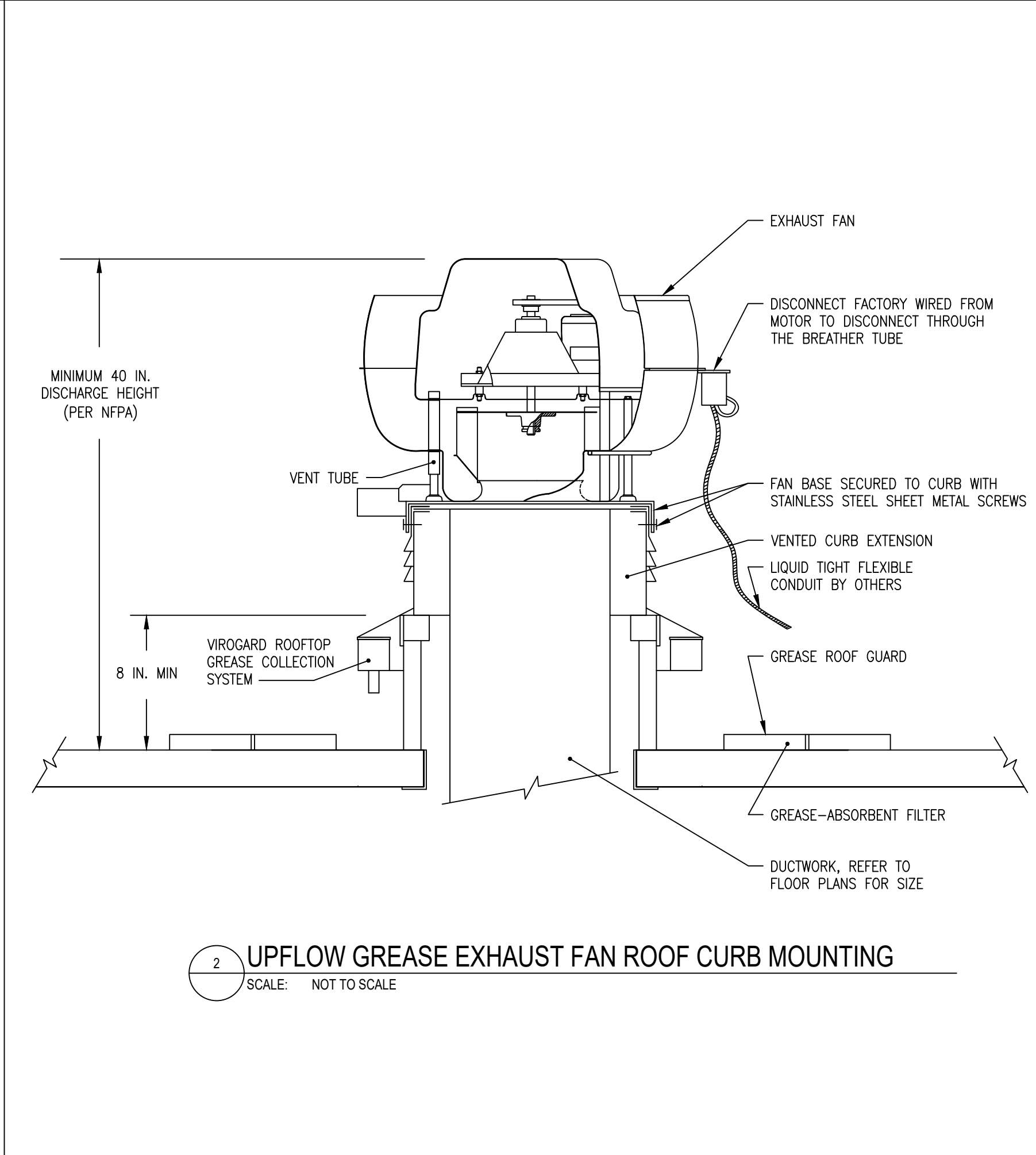
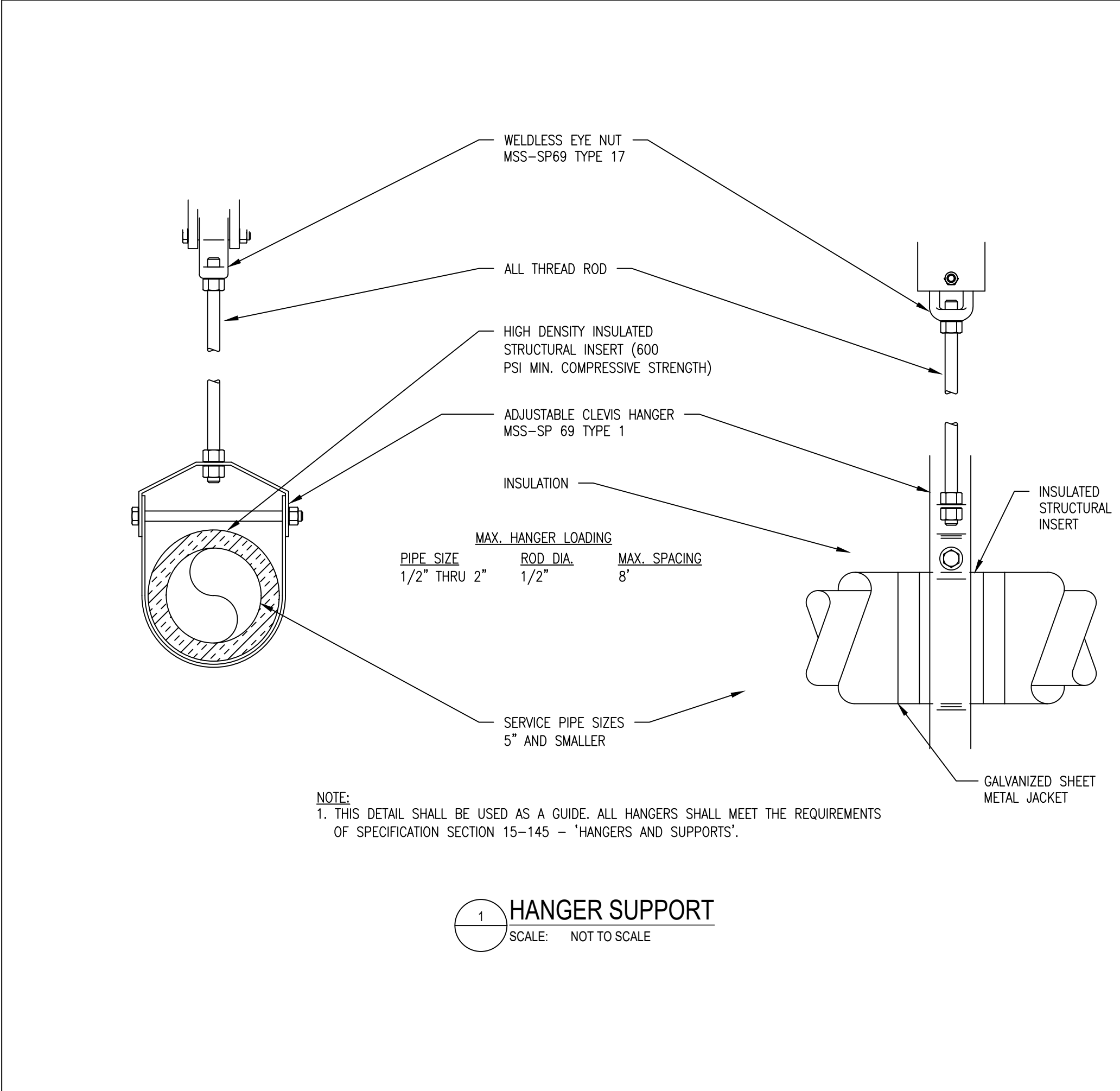
No.	Description	Date
	100% SUBMITTAL	03/24/2026

MECHANICAL ROOF
PLANS

DOA Permit Number
Project number 2025-059
Date 03/24/2026
Drawn by JP
Checked by JS

M2.0

Scale 1/4" = 1'-0"



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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

**MECHANICAL
DETAILS**

DOA Permit Number

Project number 2025-059

Date 03/24/2026

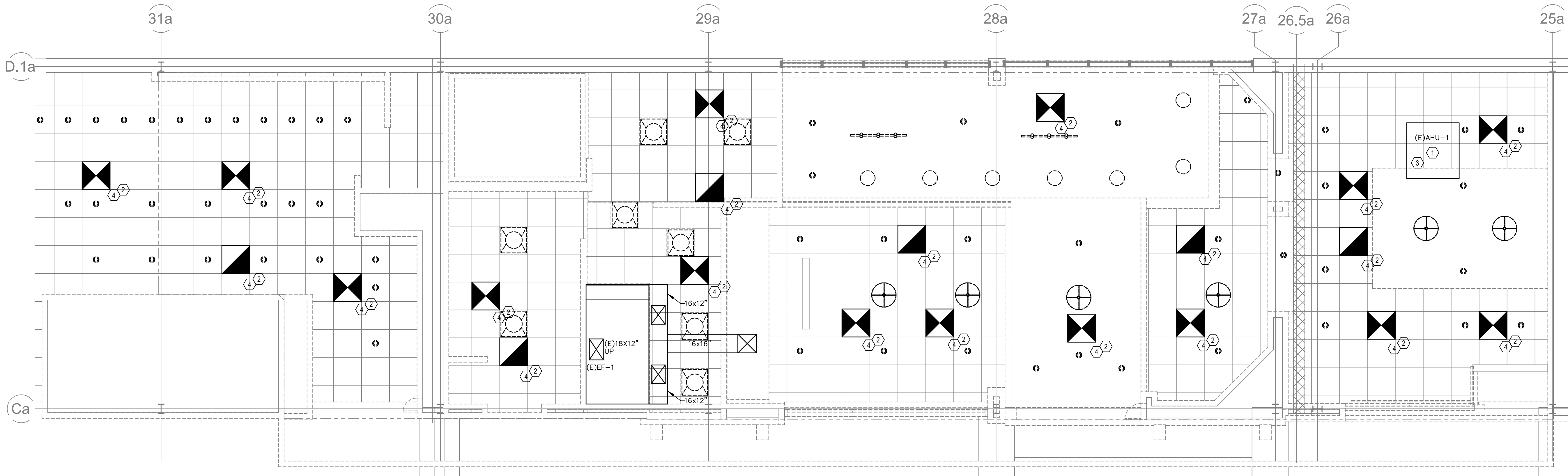
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Checked by JS

M5.0

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2. DEMOLITION SHALL INCLUDE REMOVAL AND OFF-SITE DISPOSAL OF MATERIALS. DO NOT ABANDON IN PLACE ANY MECHANICAL AND RELATED ELECTRICAL COMPONENTS UNLESS OTHERWISE NOTED ON DRAWINGS.
3. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY DASHED (— — —) SHALL BE REMOVED AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID (————) SHALL REMAIN.

DEMOLITION KEYNOTES:

- ① EXISTING AHU-1 TO REMAIN. MECHANICAL CONTRACTOR SHALL PERFORM TAB REPORT PRIOR TO CONSTRUCTION AND TO ENSURE AHU-1 IS CAPABLE OF OUTPUTTING 2000 CFM. MECHANICAL CONTRACTOR TO RESTORE AHU-1 TO AS NEW CONDITIONS.
- ② MECHANICAL CONTRACTOR TO VERIFY ALL EXISTING DUCTWORK, DIFFUSER AND AHU SIZES AND LOCATIONS.
- ③ EXISTING DUCTWORK FROM AHU-1 TO DIFFUSERS TO REMAIN. MECHANICAL CONTRACTOR SHALL FIELD VERIFY EXISTING DUCTWORK SIZE AND LOCATION. MECHANICAL CONTRACTOR TO RESTORE DUCTWORK TO AS NEW CONDITIONS.
- ④ REMOVE EXISTING DIFFUSER. TYPICAL.

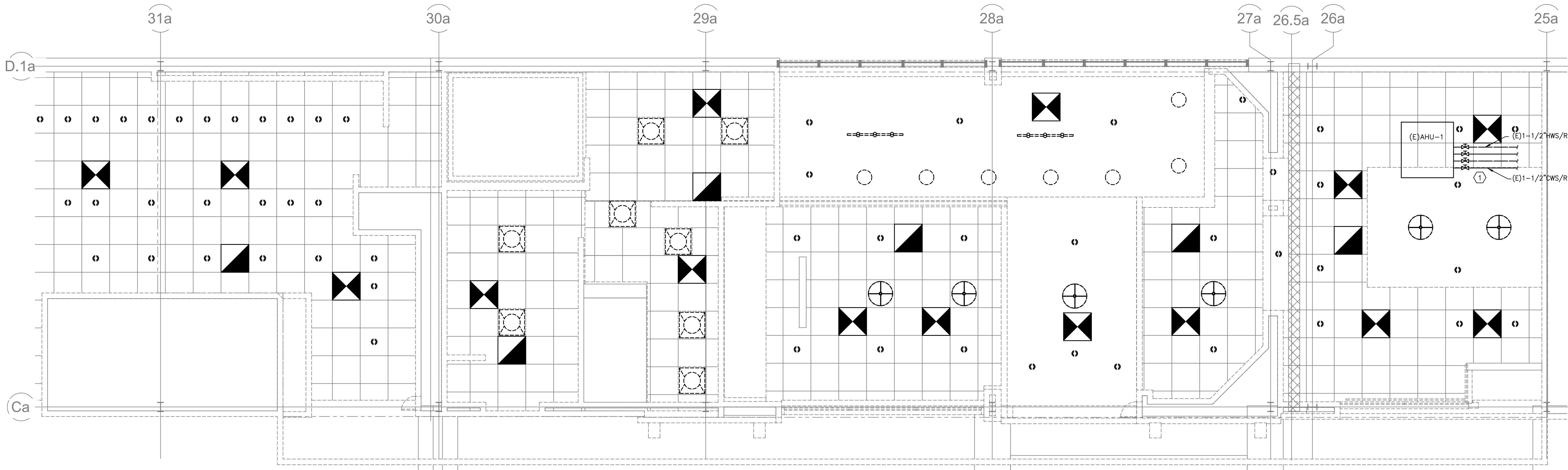
1 MECHANICAL DEMO CONCOURSE PLAN
MD1.0 SCALE: 1/4" = 1' - 0"

No.	Description	Date
	ISSUED FOR DEMO PERMIT	2/23/2026

MECHANICAL
DEMOLITION
CONCOURSE PLANS

Project number	
Date	2026-02-23
Drawn by	JP
Checked by	JS

MD1.0
Scale AS INDICATED



1 MECHANICAL DEMO HYDRONICS PLAN
MD1.1 SCALE: 1/4" = 1' - 0"

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DEMOLITION KEYNOTES:

- (1) MECHANICAL CONTRACTOR SHALL VERIFY ALL EXISTING HYDRONIC PIPING LOCATION AND SIZES. NOTIFY ENGINEERING OF ANY DISCREPANCIES.

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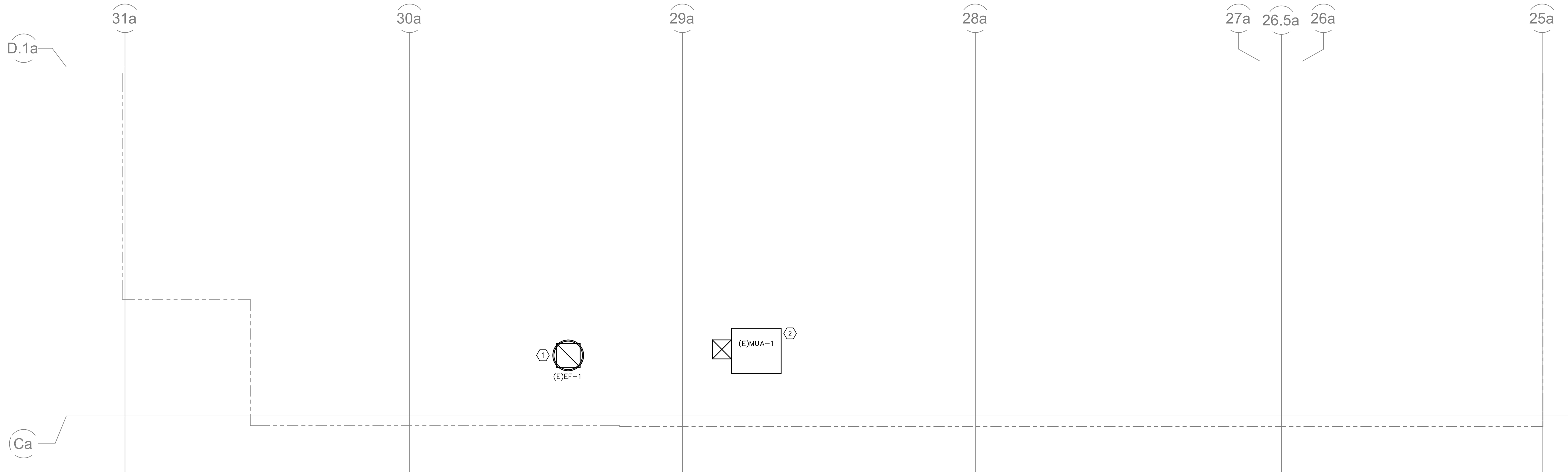
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No.	Description	Date
	ISSUED FOR DEMO PERMIT	2/23/2026

MECHANICAL
DEMOLITION
HYDRONICS PLANS

Project number
Date 2026-02-23
Drawn by JP
Checked by JS

MD1.1
Scale AS INDICATED



1 MECHANICAL DEMO ROOF PLAN
MD2.0 SCALE: 1/4" = 1' - 0"

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3. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY DASHED (---) SHALL BE REMOVED AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID (——) SHALL REMAIN.

SHEET KEYNOTES:

- ① MECHANICAL CONTRACTOR SHALL REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK.
- ② MECHANICAL CONTRACTOR SHALL REMOVE EXISTING MUA AND ASSOCIATED DUCTWORK.

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COMMONWEALTH OF VIRGINIA
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PROFESSIONAL ENGINEER
02/23/2026

WARRIORS
TAPHOUSE
NORFOLK INTERNATIONAL AIRPORT
2200 NORVIEW AVE, NORFOLK, VA 23518
SPACE: A.10

No.	Description	Date
	ISSUED FOR DEMO PERMIT	2/23/2026

**MECHANICAL
DEMOLITION ROOF
PLANS**

Project number
Date 2026-02-23
Drawn by JP
Checked by JS

MD2.0

Scale AS INDICATED

GENERAL REQUIREMENT – PLUMBING

- A. GENERAL
1. DESIGN MANUAL COMPLIANCE: ALL MATERIALS, INSTALLATIONS, AND EQUIPMENT SHALL COMPLY WITH REQUIREMENTS STATED IN THE MOST RECENTLY ADOPTED MASPORT DESIGN MANUAL AT THE TIME OF PERMIT SUBMISSION.
- B. UTILITY OUTAGES
1. UTILITIES OUTAGES REQUIRE 72 HOURS ADVANCE NOTICE TO THE AIRPORT ENGINEERING DIVISION.
2. OUTAGES IMPACTING OTHER TENANTS REQUIRE AN AIRPORT ADVISORY, WHICH REQUIRES 3 WEEKS ADVANCE NOTICE.
- C. FLOORS
1. GENERAL: TO THE GREATEST EXTENT POSSIBLE RE-USE EXISTING FLOOR PENETRATIONS FOR THRU FLOOR UTILITIES.
- A. ALL UNUSED EXISTING FLOOR PENETRATIONS MUST BE COMPLETELY FILLED AND PATCHED.
- B. ANY THROUGH-FLOOR PENETRATIONS WILL REQUIRE WATERPROOFING (LIQUID AND/OR MEMBRANE).
- C. ANY FLOOR PENETRATION WILL REQUIRE FIRE STOPPING FOR ANY FIRE-RATED FLOOR ASSEMBLY.
2. ALL FLOOR PENETRATIONS AND OPEN SLAB CUTTING (TRENCHES) REQUIRE XRAY OR GPR REPORTS; APPROVAL OF THE REPORTS IS REQUIRED PRIOR TO DRILLING OR CUTTING SLABS. FLOOR PENETRATIONS GREATER THAN 1-1/2 INCH REQUIRE XRAY/GPR, REVIEW AND MASPORT APPROVAL. ON-SITE PHYSICAL LAYOUT OF SIZE AND LOCATION OF PENETRATIONS SHALL BE REVIEWED BY AN APPROPRIATE MASPORT REPRESENTATIVE. "BEFORE" ANY PENETRATIONS OR TRENCHES ARE ALLOWED.
3. ALL FLOOR PENETRATIONS SHALL HAVE WATER PROOFING INSTALLED; 3-FEET DIAMETER FROM THE CENTER OF THE PENETRATION, OR 2-FEET FROM THE EDGE OF THE PENETRATION (WHICHEVER GIVES THE MAXIMUM SQUARE FOOTAGE OF WATER PROOFING AROUND THE PENETRATION), WITH THE APPROPRIATE MASPORT REPRESENTATIVE PRESENT, PERFORM A 2-HOUR FLOOD TEST ON THESE AREAS. NO FINISHES SHALL BE INSTALLED OVER THE TEST AREA UNTIL THE AREA HAS PASSED THE FLOOD TEST.
4. THE FLOOR AREAS OF KITCHENS, RESTROOMS, AND/OR BAR AREAS REQUIRE WATERPROOFING (LIQUID AND/OR MEMBRANE) IN THEIR ENTIRETY, EXTENDING 4-INCHES (MINIMUM) UP THE VERTICAL SURFACE OF ALL INTERIOR OR PERIMETER WALLS AND/OR PADS, WITH THE APPROPRIATE MASPORT REPRESENTATIVE PRESENT, PERFORM A 2-HOUR FLOOD TEST ON THESE AREAS. NO FINISHES SHALL BE INSTALLED OVER THE TEST AREA UNTIL THE AREA HAS PASSED THE FLOOD TEST.
- D. PLUMBING
1. WATER SERVICE: NEW WATER METERS AND BACKFLOW PREVENTERS ARE REQUIRED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MASPORT DESIGN MANUAL.
- A. WATER METER AND BACKFLOW PREVENTER MUST BE LOCATED WITHIN THE TENANT SPACE.
2. WATER METERS SHALL BE BADGER-RECORDALL, BRONZE DISC TYPE ON WATERLINES LESS THAN 2" IN DIAMETER.
- A. ALL METERS SHALL HAVE ISOLATION VALVES.
- B. METER SHALL CONTAIN AN ITRON MODEL #100W-R ENCODER RECEIVER TRANSMITTER (ERT). ERT SHALL NOT BE CONCEALED AND SERIAL NUMBER SHALL BE VISIBLE FROM FLOOR AFTER INSTALLATION.
3. BACKFLOW PREVENTERS SHALL BE WATTS, MODEL 909, TYPE RPZ
- A. ALL BACKFLOW PREVENTERS SHALL HAVE ISOLATION VALVES.
- B. A BACKFLOW PREVENTER IS REQUIRED FOR EACH HOT AND/OR COLD DOMESTIC WATER SUPPLY LINE TO THE SPACE.
- C. ALL LIQUID DISPENSING EQUIPMENT MUST HAVE A 1022 BACK FLOW PREVENTER ON EACH SUPPLY LINE TO THE PIECE OF EQUIPMENT.
4. PIPING, GENERAL: ALL WATERLINE INSTALLATIONS SHALL BE COPPER; PVC IS NOT PERMITTED.
5. REMOVED:
- A. REMOVED
- B. REMOVED
6. SANITARY PIPING:
- A. REPLACE EXISTING SANITARY PIPING TO THE MAIN POINT OF CONNECTION.
- B. THE SANITARY FOR THE TENANT SPACE MUST BE INDEPENDENT OF ALL OTHER TENANTS AND RESTROOMS.
- C. ALL HAND SINKS DRAINS MUST BE DIRECTLY CONNECTED TO THE SANITARY SYSTEM. NO AIR GAPS ARE PERMITTED.
- D. LOCATE SANITARY CLEAN-OUT WITHIN THE SPACE NEAR THE BEGINNING OF THE SANITARY SEWER RUN AND AT EVERY CHANGE OF DIRECTION PER CODE. NO CLEANOUTS SHALL BE INSTALLED BELOW THE FLOOR.
- E. ALL FLOOR DRAINS SHALL BE INSTALLED WITH TRAP PRIMERS. ELECTRONIC TRAP PRIMERS SHALL BE PROVIDED WHERE WATER SUPPLY IS NOT BASED ON OPERATION OF TOILET FIXTURE FLUSH VALVES.
7. LIQUID DISCHARGE INTO THE SANITARY DRAIN SYSTEM CANNOT EXCEED 140 DEGREES FAHRENHEIT. IF DISCHARGE IS GREATER THAN 140 DEGREES A MIXING VALVE MUST BE INSTALLED.
8. GREASE INTERCEPTOR: DISCHARGE FROM A THREE COMPARTMENT SINK IN KITCHENS, OTHER FOOD PREPARATION AREAS, AND/OR BARS ENTERING THE PUBLIC SEWER SYSTEM, MUST PASS THROUGH A GREASE INTERCEPTOR.
- A. GREASE INTERCEPTORS MUST BE MAINTAINED BY THE TENANT.
- B. GREASE INTERCEPTORS MUST BE ACCESSIBLE WITHIN THE SPACE TO BE CLEANED.
- C. GREASE INTERCEPTORS MUST BE PROPERLY VENTED PER CODE.
9. SODA / CARBONATION LINES: LINES THAT EXIT THE TENANT SPACE SHALL BE ENCLOSED IN A WATERTIGHT ASSEMBLY.
10. THERE SHALL BE A MINIMUM 1" AIR GAP BETWEEN INDIRECT WASTE DRAIN PIPE AND FLOOR DRAINS OR SINKS.
11. ALL PLUMBING ITEMS NOT SPECIFICALLY STATED EXISTING TO REMAIN SHALL BE REMOVED TO SOURCE.
12. ANY WATER LINES INSTALLED, MODIFIED, REPAIRED OR OTHERWISE DISTURBED SHALL BE DISINFECTED AND FLUSHED IN ACCORDANCE WITH THE 248 CMR. A CHLORINATION AND FLUSHING PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE BUILDING CODES DEPARTMENT PRIOR TO PERFORMING ANY FLUSHING OF THE LINE. NO WATER SHALL DISCHARGED TO THE SANITARY OR STORM WITH A CHLORINE CONCENTRATION MORE THAN 2 PPM.

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 OWNER 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:
- 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 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.
- H. ALL BACKFLOW PREVENTION DEVICE TESTS SHALL BE CONDUCTED BY A CERTIFIED BACKFLOW PREVENTION DEVICE TESTER IN ACCORDANCE WITH 310 CMR 22.22.

3.3 PENETRATIONS AND SLEEVES

- A. GENERAL
- 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

- 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.

3.4 CLEANING

- A. CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING AS FOLLOWS:
- PURGE NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING.
 - USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION; IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER ANWA C651 OR ANWA C652 OR FOLLOW PROCEDURES DESCRIBED BELOW:
 - FLUSH PIPING SYSTEM WITH CLEAN, POTABLE WATER UNTIL DIRTY WATER DOES NOT APPEAR AT OUTLETS.
 - FILL AND ISOLATE SYSTEM ACCORDING TO EITHER OF THE FOLLOWING:
 - 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.
 - FILL SYSTEM OR PART THEREOF WITH WATER/CHLORINE SOLUTION WITH AT LEAST 200 PPM OF CHLORINE. ISOLATE AND ALLOW TO STAND FOR THREE HOURS.
 - FLUSH SYSTEM WITH CLEAN, POTABLE WATER UNTIL NO CHLORINE IS IN WATER COMING FROM SYSTEM AFTER THE STANDING TIME.
 - REPEAT PROCEDURES IF BIOLOGICAL EXAMINATION SHOWS CONTAMINATION.
 - SUBMIT SIX (6) WATER SAMPLES IN STERILE BOTTLES TO LISTED TEST LAB. RESULTS SHALL SHOW THE ABSENCE OF COLIFORM BACTERIA. LOCATIONS OF SAMPLES TO BE SPECIFIED BY STATE INSPECTOR.

PLUMBING LEGEND

SANITARY SEWER PIPING

SANITARY VENT PIPING

COLD WATER PIPING

HOT WATER PIPING

EXISTING SANITARY VENT PIPING

EXISTING 110 DEGREE HOT WATER PIPING

EXISTING COLD WATER PIPING

EXISTING SANITARY PIPING

FULL PORT BALL VALVE

NEW CONNECTION TO EXISTING PIPING

BACK-FLOW PREVENTOR

PLUMBING SHEET NOTE DESIGNATION

PIPE CAP

PIPE TURNING UP

PIPE TURNING DOWN

REDUCED PRESSURE ZONE BACKFLOW PREVENTER

DOUBLE CHECK VALVE ASSEMBLY

FLOOR CLEANOUT

INDIRECT WASTE

WATER HEATER DESIGNATION

FLOOR SINK

CLEAN OUT

FLOOR DRAIN WITH TRAP PRIMER

GREASE WASTE

FILTERED WATER

GENERAL NOTES

- WORK SHALL CONFORM TO THE CONTRACT DRAWINGS, SPECIFICATIONS AND THE LATEST APPLICABLE INTERNATIONAL PLUMBING CODE, NATIONAL STANDARD PLUMBING CODE, AND NFPA PAMPHLET 13.
- 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.
- 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."
- 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.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL LEAVE THE ENTIRE PLUMBING 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL INCUR FINANCIAL RESPONSIBILITIES FOR, ANY DAMAGES CAUSED BY OR RESULTING FROM DEFECTS IN HIS WORK.
- 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.
- WALL OPENINGS RESULTING FROM DEMOLITION SHALL BE CLOSED AND FINISHED TO MATCH EXISTING.
- FINISHES DAMAGED DURING THE PROJECTS SHALL BE REPAIRED TO MATCH EXISTING.
- ALL UTILITIES ARE TO BE NEW.

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ELECTRICAL
PLUMBING

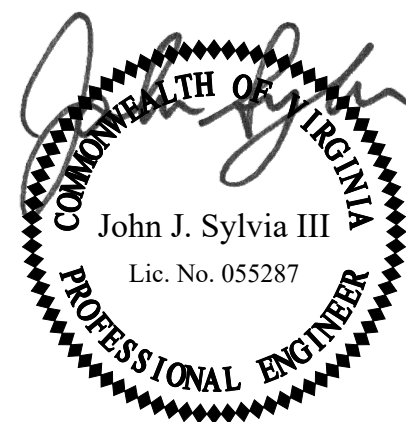
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03/24/2026



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No.	Description	Date
	100% SUBMITTAL	03/24/2026

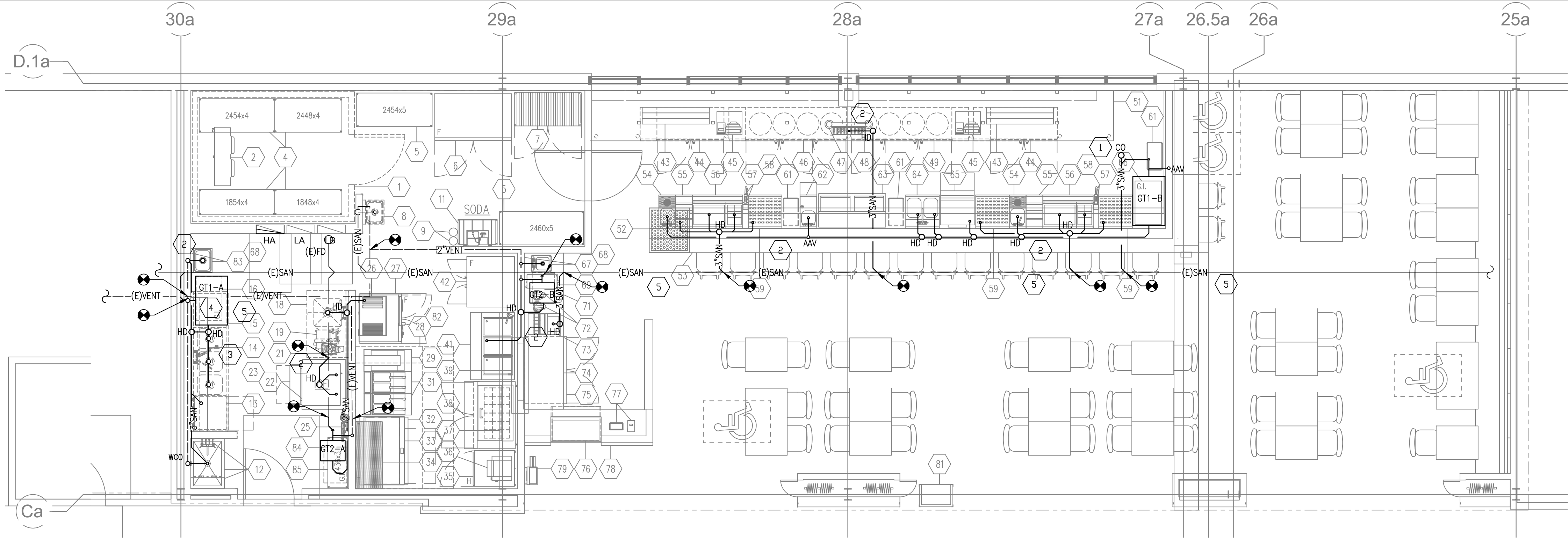
PLUMBING
LEGEND, NOTES
AND SPECIFICATIONS

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

P0.1

Scale 1/4" = 1'-0"

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1 PLUMBING SANITARY PLAN
P1.0 SCALE: 1/4" = 1' - 0"

GENERAL SHEET 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. UNLESS OTHERWISE NOTED, MECHANICAL/PLUMBING ITEMS SHOWN HEAVY DASHED (— — —) SHALL BE REMOVED AND MECHANICAL/PLUMBING ITEMS SHOWN LIGHT SOLID (—) SHALL REMAIN.
3. ONLY SOLDERED CONNECTIONS ARE ACCEPTABLE FOR COPPER WATER PIPE DISTRIBUTION SYSTEMS, BOTH DOMESTIC AND/OR MECHANICAL. THE USE OF "SHARK BITES" OR OTHER NON SOLDERED CONNECTIONS MUST BE SUBMITTED AND APPROVED IN WRITING BY AHJ BEFORE INSTALLATION.
4. ALL PLUMBING INSTALLATIONS SHALL BE PARALLEL OR PERPENDICULAR TO THE BASE BUILDING STRUCTURAL ELEMENTS.
5. BACKFLOW PREVENTERS SHALL BE INSTALLED ON THE WATER LINE FEEDING THE TENANT SPACE.
6. INSTALL WATER AERATORS THAT DO NOT EXCEED FLOW RATES OF 1.5 GPM ON KITCHEN SINKS; EXCEPT FILL SINKS
7. GPR NEEDS TO BE COMPLETED PRIOR TO ANY NEW FLOOR PENETRATIONS.

SHEET KEYNOTES (SANITARY):

- 1 PROVIDE NEW CLEANOUT.
- 2 PROVIDE NEW INDIRECT WASTE PIPING AS SHOWN.
- 3 PROVIDE FLOW CONTROL VALVE ON EACH OF THE THREE INDIRECT WASTE FOR THE 3-COMP SINK TO LIMIT FLOW TO 5GPM EACH.
- 4 PROVIDE SCHIER GB2 GREASE INTERCEPTOR WITH BUILT-IN FLOW CONTROL. GREASE TRAP DISCHARGE PIPING SHALL DIRECT CONNECT TO THE SANITARY DRAINAGE SYSTEM PER VPC 1003.3.7 AND 1003.3.8.
- 5 PLUMBING CONTRACTOR TO VERIFY ALL UTILITY CONNECTION SIZES.

PDI G101 Grease Interceptor Calcs											
GT1-A Calculations											
Sink Type	Length (in)	Width (in)	Depth (in)	Volume (Cu In)	1 Sink Volume (Gallons)	Number of Sinks	Max. Volume (Gallons)	% Fill	Working Volume (Gallons)	Drain Time (Min)	Flow Rate (gal/min)
3-comp	11	14	10.25	1578.5	6.8	3	20.5	75%	15.4	1	15.4
Hand sink	9	9	5	405	1.8	1	1.8	75%	1.3	1	1.3
Mop sink	20	12	16	3840	16.6	1	16.6	50%	8.3	1	8.3
Dishmachine											0.5
Note: Dishmachine to drain into GI. As dishmachine will be a noncontinuous flow, we are assuming a flow rate of 0.5GPM.											

PDI G101 Grease Interceptor Calcs											
GT1-B Calculations											
Sink Type	Length (in)	Width (in)	Depth (in)	Volume (Cu In)	1 Sink Volume (Gallons)	Number of Sinks	Max. Volume (Gallons)	% Fill	Working Volume (Gallons)	Drain Time (Min)	Flow Rate (gal/min)
2-comp	10	14	10	1400	6.1	2	12.1	75%	9.1	1	9.1
Dump sink	12	10	6	720	3.1	1	3.1	75%	2.3	1	2.3
Hand sink	10	12	7	840	3.6	1	3.6	50%	1.8	1	1.8
Glasswasher											1.0
Note: Glasswasher to drain into GI. As glasswasher will be a noncontinuous flow, we are assuming a flow rate of 1GPM.											

PDI G101 Grease Interceptor Calcs											
GT2-A Calculations											
Sink Type	Length (in)	Width (in)	Depth (in)	Volume (Cu In)	1 Sink Volume (Gallons)	Number of Sinks	Max. Volume (Gallons)	% Fill	Working Volume (Gallons)	Drain Time (Min)	Flow Rate (gal/min)
1-comp	11	14	10.25	1578.5	6.8	1	6.8	75%	5.1	1	5.1
Combi oven											1.0
Note: Combi oven to drain into GI. As combi oven will be a noncontinuous flow, we are assuming a flow rate of 1GPM.											

PDI G101 Grease Interceptor Calcs											
GT2-B Calculations											
Sink Type	Length (in)	Width (in)	Depth (in)	Volume (Cu In)	1 Sink Volume (Gallons)	Number of Sinks	Max. Volume (Gallons)	% Fill	Working Volume (Gallons)	Drain Time (Min)	Flow Rate (gal/min)
Hand sink	9	9	5	405	1.8	1	1.8	75%	1.3	1	1.3
Hot food table											1.0
Note: Hot food table to drain into GI. As hot food table will be a noncontinuous flow, we are assuming a flow rate of 1GPM.											

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PROFESSIONAL ENGINEER

03/24/2026

WARRIORS
TAPHOUSE
EST. 2015

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CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

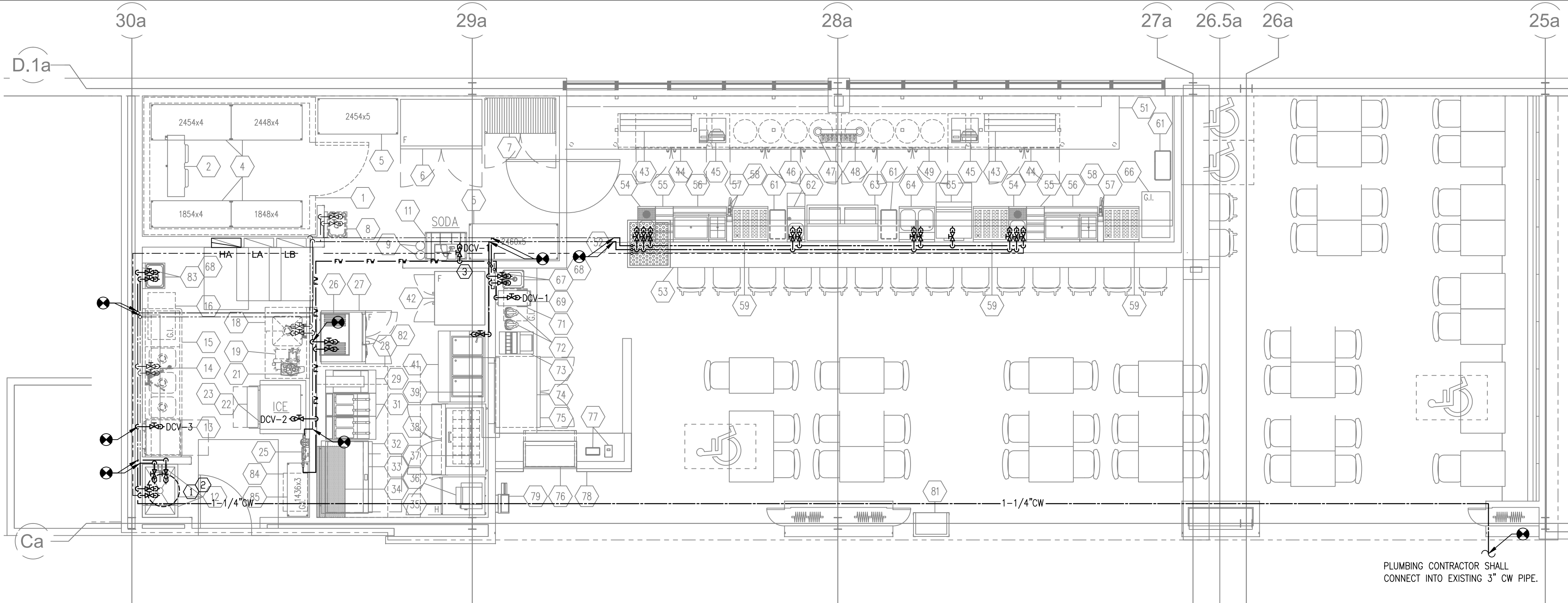
PLUMBING SANITARY
PLAN

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

P1.0

Scale 1/4" = 1'-0"

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4. ALL PLUMBING INSTALLATIONS SHALL BE PARALLEL OR PERPENDICULAR TO THE BASE BUILDING STRUCTURAL ELEMENTS.
5. BACKFLOW PREVENTERS SHALL BE INSTALLED ON THE WATER LINE FEEDING THE TENANT SPACE.
6. INSTALL WATER AERATORS THAT DO NOT EXCEED FLOW RATES OF 1.5 GPM ON KITCHEN SINKS; EXCEPT FILL SINKS
7. GPR NEEDS TO BE COMPLETED PRIOR TO ANY NEW FLOOR PENETRATIONS.

SHEET KEYNOTES (POTABLE):

- ① WATER HEATER SHALL BE 24KW ELECTRIC WATER HEATER.
- ② ROUTE COLD WATER DOWN TO WATER HEATER.
- ③ VERIFY SIZE OF SODA CHASE WITH SODA PURVEYOR

1
P1.1 PLUMBING POTABLE PLAN
SCALE: 1/4" = 1' - 0"

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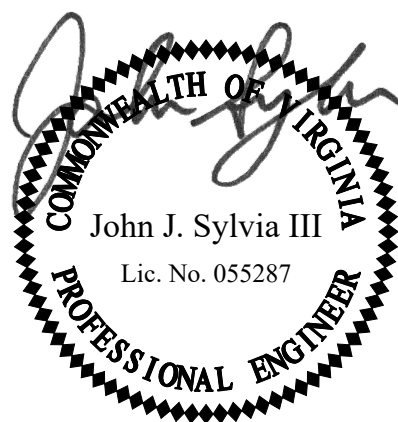
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No.	Description	Date
	100% SUBMITTAL	03/24/2026

PLUMBING POTABLE
PLAN
DOA Permit Number
Project number 2025-059
Date 03/24/2026
Drawn by JP
Checked by JS
P1.1
Scale 1/4" = 1'-0"



03/24/2026



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2200 NORVIEW AVE
NORFOLK, VA 23518
CONCOURSE A, A.06, SPACE #CA2306

No.	Description	Date
	100% SUBMITTAL	03/24/2026

PLUMBING DETAILS AND SCHEDULES

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

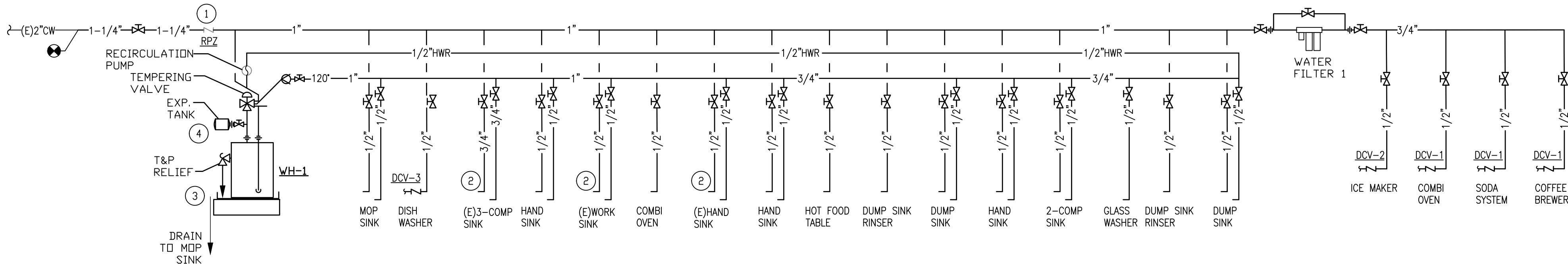
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Scale 1/4" = 1'-0"

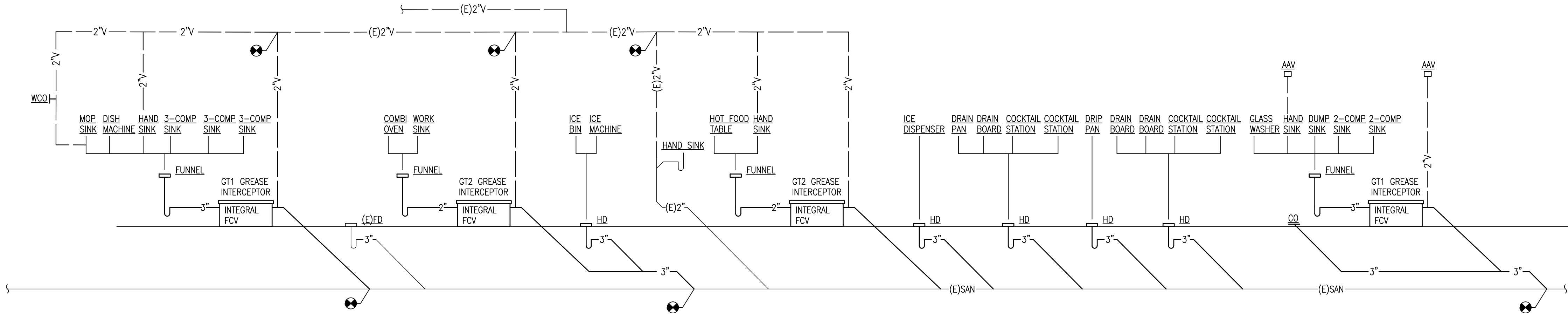
POTABLE RISER KEYNOTES:

- 1-1/4" RPZ BACKFLOW PREVENTER.
- PLUMBING CONTRACTOR SHALL RE-USE AS MUCH EXISTING COLD AND HOT WATER PIPING AS POSSIBLE TO EXISTING PLUMBING FIXTURES.
- ELECTRIC WATER HEATER. PROVIDE AN APPROVED WATER HEATER PAN & DISCHARGE PER IPC 504.7
- AST-12 THERMAL EXPANSION TANK

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 DRAINS SHALL HAVE 1/4" SLOPE PER AHJ DESIGN MANUAL. ALL DRAIN PIPING UNDER SINKS SHALL HAVE INSULATION.

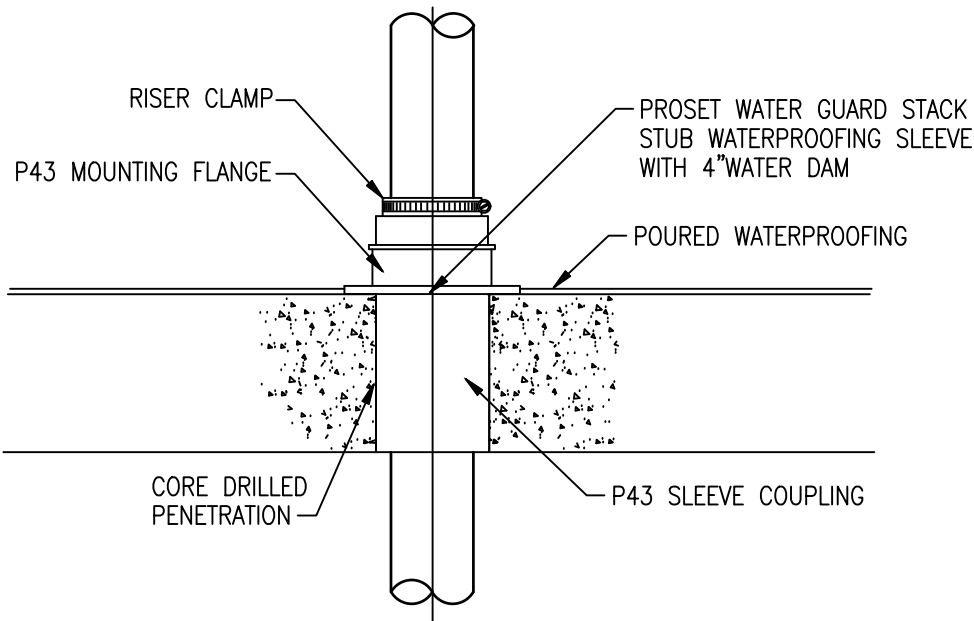


1 PLUMBING RISER - POTABLE
P2.01 N.T.S.

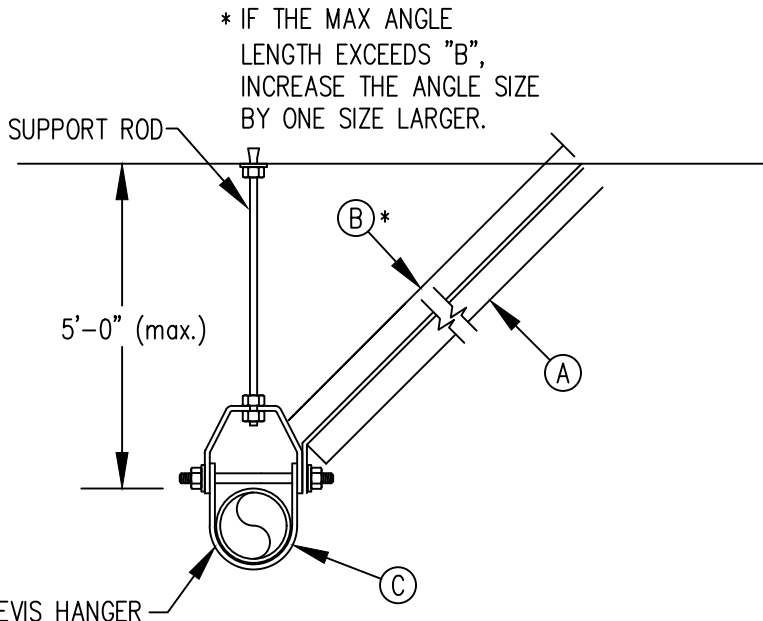


2 PLUMBING RISER - SANITARY
P2.01 N.T.S.

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EXISTING CONCRETE SLAB – CORE DRILL
FLOOR PENETRATION DETAIL
SCALE: NOT TO SCALE



CLEVIS HANGER
WITH SWAY STABILIZER
SCALE: NOT TO SCALE

FOR HORIZONTAL BENDS ONLY

PIPE SIZE (C)	ANGLE SIZE (A)	MAX ANGLE LENGTH
8" OR LESS	2" x 2" x 1/4"	
10" TO 12"	2-1/2"x2-1/2"x1/4"	
LARGER THAN 12"	3" x 3" x 1/4"	

NOTE:
(D) USE 1/2" BOLTS MINIMUM IN SHOWN ASSEMBLIES, GALVANIZED OR PRIMED BASED UPON SPECIFICATION REQUIREMENTS.

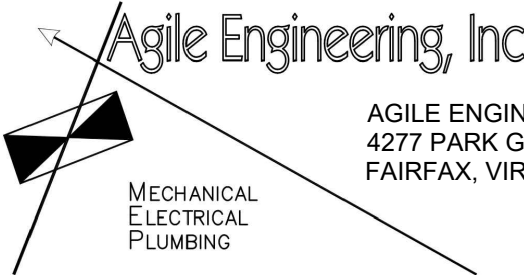
PLUMBING FIXTURE SCHEDULE				
MARK	TYPE	MANUFACTURER	MODEL	DESCRIPTION
RPZ	REDUCED PRESSURE ZONE	WATTS	LF009	REDUCED PRESSEURE ZONE DOUBLE CHECK VALVE
DCV-1	DOUBLE CHECK VALVE	WATTS	SD-2	ASSE 1032/UL. PROVIDE WITH QUARTER TURN FULL PORT BALL VALVES
DCV-2	DOUBLE CHECK VALVE	WATTS	LF7R	ASSE 1032/UL. PROVIDE 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
GT-1	GREASE INTERCEPTOR	SCHIER	GB2	POLYETHELENE GREASE INTERCEPTOR, PDI, RATED AT 35 GPM AND 130 LBS. GREASE CAPACITY.
GT-2	GREASE INTERCEPTOR	ENDURA	CANPLAS GI-10	GREASE INTERCEPTOR, PDI, RATED AT 10 GPM AND 38 LBS. GREASE CAPACITY.
WH-1	ELECTRIC WATER HEATER 24 KW	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.

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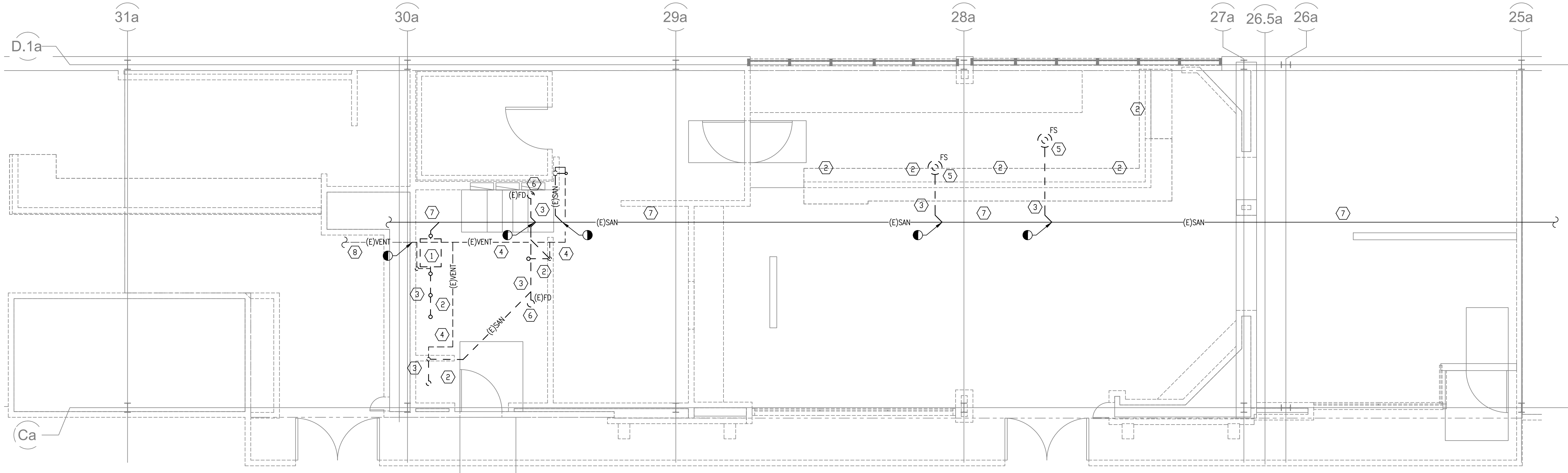
No.	Description	Date
	100% SUBMITTAL	03/24/2026

PLUMBING DETAILS AND SCHEDULES

DOA Permit Number	
Project number	2025-059
Date	03/24/2026
Drawn by	JP
Checked by	JS

P5.0

Scale	1/4" = 1'-0"
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- INSTALL WATER AERATORS THAT DO NOT EXCEED FLOW RATES OF 1.5 GPM ON KITCHEN SINKS; EXCEPT FILL SINKS
- GPR NEEDS TO BE COMPLETED PRIOR TO ANY NEW FLOOR PENETRATIONS.

SHEET KEYNOTES (DEMO SANITARY):

- REMOVE EXISTING GREASE TRAP AND RELATED PIPING. DISPOSE OF UNIT AS DIRECTED BY THE AUTHORITY.
- REMOVE EXISTING PLUMBING FIXTURES. TYPICAL.
- REMOVE EXISTING SANITARY PIPING.
- REMOVE EXISTING VENT LINES.
- REMOVE EXISTING FLOOR SINK. TYPICAL.
- REMOVE EXISTING FLOOR DRAIN. TYPICAL.
- EXISTING SANITARY PIPING TO REMAIN.
- EXISTING VENT PIPING TO REMAIN.

1 PLUMBING DEMO SANITARY PLAN
PD1.0 SCALE: 1/4" = 1' - 0"

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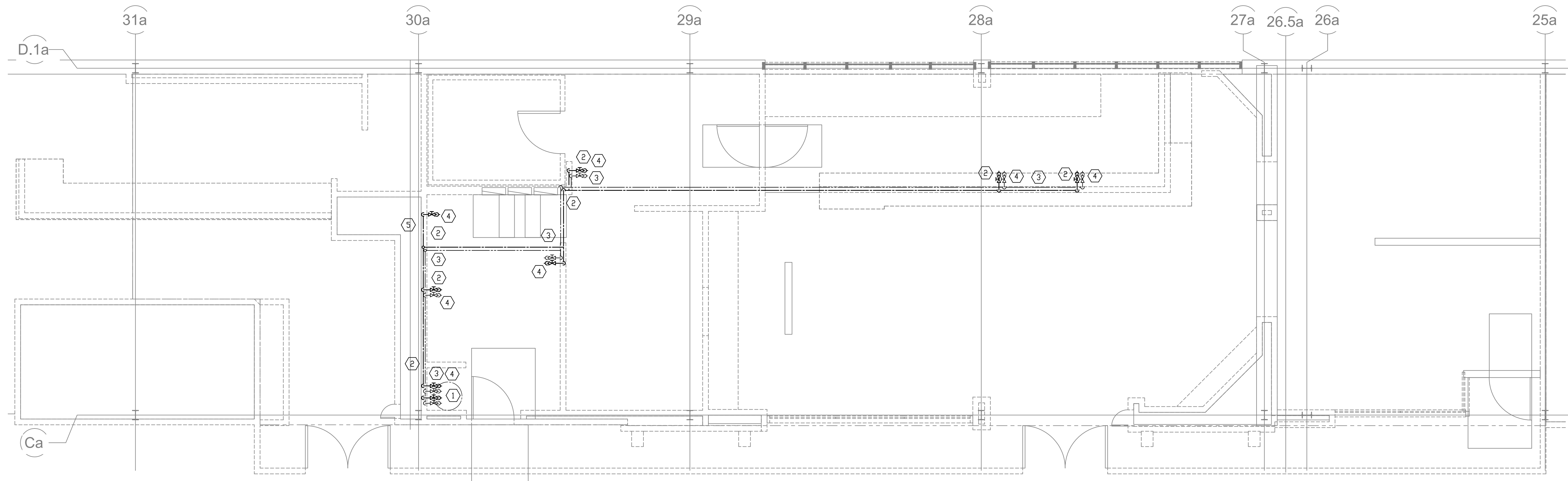
No.	Description	Date
	ISSUED FOR DEMO PERMIT	2/23/2026

**PLUMBING
DEMOLITION
SANITARY PLAN**

Project number
Date 2026-02-23
Drawn by JP
Checked by JS

PD1.0

Scale AS INDICATED



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- INSTALL WATER AERATORS THAT DO NOT EXCEED FLOW RATES OF 1.5 GPM ON KITCHEN SINKS; EXCEPT FILL SINKS
- GPR NEEDS TO BE COMPLETED PRIOR TO ANY NEW FLOOR PENETRATIONS.

SHEET KEYNOTES (DEMO POTABLE):

- REMOVE EXISTING WATER HEATER AND ASSOCIATED PIPING.
- REMOVE EXISTING COLD WATER PIPING.
- REMOVE EXISTING HOT WATER PIPING.
- REMOVE EXISTING PLUMBING FIXTURES. TYPICAL.
- PLUMBING CONTRACTOR SHALL FIELD VERIFY COLD WATER STUBOUT LOCATION AND SIZE. CAP STUBOUT AT ENTRANCE TO TENANT SPACE.

1 PLUMBING DEMO POTABLE PLAN

PD1.1 SCALE: 1/4" = 1' - 0"

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No.	Description	Date
	ISSUED FOR DEMO PERMIT	2/23/2026

**PLUMBING
DEMOLITION
POTABLE PLAN**

Project number
Date 2026-02-23
Drawn by JP
Checked by JS

PD1.1

Scale AS INDICATED