



Office of General Services

DESIGN & CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 3 TO PROJECT NO. 47688

CONSTRUCTION, HVAC, PLUMBING, AND ELECTRICAL WORK PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER 80-45 WINCHESTER BLVD QUEENS VILLAGE, NY

June 24, 2026

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.
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CONSTRUCTION WORK SPECIFICATIONS

1. SECTION 084113 ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 084113 – 1 thru 084113 – 9) noted “Revised 06/12/2026.”
2. SECTION 085113 ALUMINUM WINDOWS: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 085113 – 1 thru 085113 – 6) noted “Revised 06/12/2026.”
3. SECTION 085200 WOOD WINDOWS: Add the accompanying Section (pages 085200 – 1 thru 085200 – 8) to the Project Manual.
4. SECTION 085213 FRENCH CASEMENT CRANK OUT: Delete this Section in its entirety.
5. SECTION 088000 GLAZING: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 088000 – 1 thru 088000 – 13) noted “Revised 06/12/2026.”
6. SECTION 323123 PLASTIC FENCES AND GATES: Delete this Section in its entirety.
7. SECTION 323124 COMPOSITE WOOD FENCE AND GATES: Add the accompanying Section (pages 323124 – 1 thru 323124 – 5) to the Project Manual.

ELECTRICAL WORK SPECIFICATIONS

8. SECTION 260544 SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING: Add the accompanying Section (pages 260544 – 1 thru 260544 – 3) to the Project Manual.
9. SECTION 271524 OPTICAL FIBER CABLES: Add the accompanying Section (pages 271524 – 1 thru 271524 – 11) to the Project Manual.
10. SECTION 271525 OPTICAL FIBER CABLES: Delete this Section in its entirety.

DRAWINGS – COMMON

11. Revised Drawing:
 - a. Drawing No. G-001 noted “Addendum 3,” accompanies this Addendum and supersedes the same numbered previously issued drawing.

CONSTRUCTION WORK DRAWINGS

12. Revised Drawings:
 - a. Drawing Nos. C-102, C-105, C-312, A-100, A-101, A-102, A-103, A-110, A-111, A-112, A-113, A-201, A-202, A-302, A-320, A-330, A-350, A-401, A-402, A-411, A-600, A-610, A-701, A-702, A-703, A-704 and A-900 noted “Addendum 3”, accompanies this Addendum and supersedes the same numbered previously issued drawings.

ELECTRICAL WORK DRAWINGS

13. Revised Drawings:
 - a. Drawing Nos. E-001, E-002, E-003 , E-005, E-007 and E-101 noted “Addendum #3,” accompanies this Addendum and supersedes the same numbered previously issued drawings.

END OF ADDENDUM

Brady Sherlock, P.E.
Director, Division of Design
Design & Construction

SECTION 084113:

ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section covers Architectural Aluminum Storefront Systems, including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of storefront units. Refer to Section 085113, Aluminum Windows for operable windows to be installed within system.

1.3 RELATED SECTIONS:

- A. 085113: Aluminum Windows

1.4 DEFINITIONS

- A. For fenestration industry standard terminology and definitions, refer to the Fenestration & Glazing Industry Alliance (FGIA) Glossary (AAMA AG-13).

1.5 PERFORMANCE REQUIREMENTS

- A. General Performance:
 - 1. Product to comply with the specified performance requirements without failure due to defective manufacture, fabrication, installation, or other defects in construction, as determined by testing of aluminum storefront systems representing those indicated for this project.
 - 2. Aluminum storefront systems shall withstand movements of supporting structure including, but not limited to, story drift, twist, column shortening, long-term creep, and deflection from uniformly distributed and concentrated live loads.
 - 3. Failure includes any of these events:
 - a. Thermal stresses transferring to building structure
 - b. Glass breakage
 - c. Loosening or weakening of fasteners, attachments, and other components
 - d. Failure of operating units
- B. Delegated Design:
 - 1. Design aluminum storefront systems, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.
- C. Wind Loads:

1. The storefront system shall include anchorage that is capable of withstanding the wind load design pressures required for this location.
 2. The design pressures are based on the New York State Uniform Building Code, 2020 Edition.
- D. Air Leakage:
1. The test specimen shall be tested in accordance with ASTM E 283.
 2. With interior seal, air leakage rate shall not exceed 0.06 cfm/ft² (0.3 l/s · m²) at a static air pressure differential of 6.2 psf (300 Pa).
 3. Without interior seal, air leakage rate shall not exceed 0.06 cfm/ft² (0.3 l/s · m²) at a static air pressure differential of 1.6 psf (75 Pa).
 4. For Aluminum Entrance Door System - A pair of 6'0" x 7'0" (1830 mm x 2134 mm) entrance doors and frame shall not exceed 1.0 cfm/ft².
- E. Water Resistance:
1. The test specimen shall be tested in accordance with ASTM E 331.
 2. There shall be no leakage at a minimum static air pressure differential of 10 psf (479 Pa) as defined in AAMA 501.
- F. Uniform Load Structural:
1. A static air design load of 30 psf (1436 Pa) shall be applied in the positive and negative direction in accordance with ASTM E 330.
 2. There shall be no deflection in excess of L/175 of the span of any framing member.
 3. At a structural test load equal to 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.
 4. For Aluminum Entrance Door System - 60 psf (2880 Pa) for pairs of doors
- G. Thermal Transmittance (U-factor):
1. Thermal transmittance test results are based upon 1" (25.4 mm) clear high-performance insulating glass [1/4" (e=0.035, #2), 1/2" warm edge spacer and argon fill gas, 1/4"].
 2. When tested to AAMA Specification 1503, the thermal transmittance (U-factor) shall not be more than listed here:
 - a. Trifab® Versaglaze® 601UT Framing System, Front Plane (0.28 COG) .38.
- H. Condensation Resistance Factor (CRF) or Condensation Index (CI):
1. If using CRF: When tested to AAMA Specification 1503, the CRF shall not be less than listed here:
 - a. Trifab® Versaglaze® 601UT Framing System, Front Plane 77frame and 71glass (low-e)
- I. Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC):
1. Sound transmission loss test results in accordance with AAMA 1801 are based upon 1" (25.4 mm) clear double laminated insulating glass with PVB interlayer (1/8", 0.030", 1/8", 1/2" AS, 1/8", 0.030", 1/8").
 2. Ratings shall not be less than:
 - a. Trifab® VersaGlaze® 601/601T/601UT Framing System, Front Plane non-laminated glass Ratings based on glazing specified in Section 088000.

- J. Environmental Product Declaration (EPD): Shall have a Type III Product-Specific EPD created from a Product Category Rule.
- 1. Forced Entry at Aluminum Entrance Door System:
 - 1. Performance shall be tested in accordance with AAMA 1304.

1.6 SUBMITTALS

- A. Product Data:
 - 1. For each type of aluminum-framed storefront system indicated, include:
 - a. Construction details
 - b. Material descriptions
 - c. Dimensions of individual components and profiles
 - d. Doors and Hardware
 - e. Finishes
 - f. Installation instructions
 - 2. Environmental Product Declaration (EPD):
 - a. Include a Type III Product-Specific EPD created from a Product Category Rule.
- B. Shop Drawings:
 - 1. Plans
 - 2. Elevations
 - 3. Sections
 - 4. Details
 - 5. Doors and Hardware
 - 6. Attachments to other work
 - 7. Operational clearances
 - 8. Installation details
- C. Product Data Sheets for Initial Selection:
 - 1. Provide samples for units with factory-applied color finishes.
 - 2. Provide samples of hardware and accessories involving color selection.
- D. Samples for Verification:
 - 1. Provide a verification sample for aluminum-framed storefront system and required components.
- E. Product Test Reports:
 - 1. Provide test reports for each type of aluminum-framed storefront used in the project.
 - 2. Test reports must be based on evaluation of comprehensive tests performed by a qualified preconstruction testing agency.
 - 3. Test reports must indicate compliance with performance requirements.
- F. Entrance Door and Hardware Schedule:

1. Schedule shall be prepared by or under the supervision of supplier.
2. Schedule shall detail fabrication and assembly of entrance door and hardware, including procedures and diagrams.
3. Coordinate final entrance door and hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of entrance door hardware.

1.7 QUALITY ASSURANCE

A. Installer Qualifications:

1. Installer must have successfully installed the same or similar units required for the project and other projects of similar size and scope.

B. Manufacturer Qualifications:

1. Manufacturer must be capable of providing aluminum-framed storefront systems that meet or exceed performance the stated performance requirements.
2. Manufacturer must document this performance by the inclusion of test reports and calculations.

C. Source Limitations:

1. Obtain aluminum-framed storefront system through one source from a single manufacturer.

D. Product Options:

1. Drawings indicate size, profiles, and dimensional requirements of aluminum-framed storefront system and are based on the specific system indicated. Refer to Division 01 Product Requirements Section. Do not modify size and dimensional requirements.
2. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

1.8 PROJECT CONDITIONS

A. Field Measurements:

1. Verify actual dimensions of aluminum-framed storefront openings by field measurements before fabrication.
2. Indicate measurements on shop drawings.

1.9 WARRANTY

A. Submit manufacturer's standard warranty for owner's acceptance.

B. Warranty Period:

1. Two years from Date of Substantial Completion of the project provided however that in no event shall the Limited Warranty begin later than six months from date of shipment by manufacturer.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Product:

1. Manufacturer - Kawneer Company, Inc.
2. Framing System - Trifab® Versaglaze 601UT
 - a. 2" x 6" (50.8 mm x 152.4 mm) nominal dimension
 - b. Thermal
 - c. Front Plane
 - d. Screw Spline, Shear Block and Stick Fabrication.
3. Aluminum Entrance Door Type –
 - a. 500T Insulpour® Thermal Entrance:
 - b. Wide stile
 - c. Vertical face dimension: 5" (127.0 mm)
 - d. Depth: 2-1/4" (57.2 mm)
 - e. High traffic applications

B. Subject to compliance with requirements, equivalent substitutions will be reviewed.

2.2 MATERIALS

A. Aluminum Extrusions:

1. Alloy and temper recommended by aluminum storefront manufacturer for strength, corrosion resistance, and application of required finish.
2. Not less than 0.070" (1.8 mm) wall thickness at any location for the main frame
3. Complying with ASTM B221: 6063-T6 alloy and temper.

B. Fasteners:

1. Nonmagnetic stainless steel or other materials must be non-corrosive and compatible with aluminum members, trim hardware, anchors, and other components.

C. Anchors, Clips, and Accessories:

1. Anchors, clips, and accessories shall provide sufficient strength to withstand the design pressure indicated.

D. Reinforcing Members: Refer to manufacturer's recommendation for basis of design product.

E. Sealant: Sealants used within the storefront system shall comply with Section 088000 Glazing and shall be neutral-cure silicone compatible with aluminum finishes, glazing gaskets, insulating glass edge seals, and glazing materials.

F. Tolerances:

1. References to tolerances for wall thickness and other cross-sectional dimensions of storefront members are nominal and in compliance with AA Aluminum Standards and Data.

G. Slide-In-Type Weather-Stripping:

1. Provide woven-pile weather stripping of wool, polypropylene, or nylon pile and resin-impregnated backing fabric.
2. Comply with AAMA 701/702.

H. Weather Seals:

1. Provide weather stripping with integral barrier fin or fins of semi-rigid, polypropylene sheet or polypropylene-coated material.
2. Comply with AAMA 701/702.

I. Thermal Barrier:

1. Shall be IsoPour™ utilizing two continuous rows of polypropylene with a nominal 7/32" (5.5 mm) separation that consists of a two-part, chemically curing high density polyurethane which is mechanically and adhesively bonded to the aluminum at door rails and stiles.

2.3 STOREFRONT FRAMING SYSTEM

A. Thermal Barrier:

1. Trifab® Versaglaze® 601UT:
 - a. Kawneer IsoLock® Thermal Break with dual nominal 1/4" (6.4 mm) separation consisting of a two-part chemically curing, high-density polyurethane, which is mechanically and adhesively joined to aluminum storefront sections.
 - b. Thermal break shall be designed in accordance with AAMA TIR-A8 and tested in accordance with AAMA 505.

B. Brackets and Reinforcements:

1. Manufacturer's standard high-strength aluminum with non-staining, non-ferrous shims for aligning system components.

C. Fasteners and Accessories:

1. Manufacturer's standard corrosion-resistant, non-staining, non-bleeding fasteners and accessories must be compatible with adjacent materials.
2. Where exposed, fasteners and accessories shall be stainless steel.

D. Perimeter Anchors:

1. When steel anchors are used, provide insulation between steel material and aluminum material to prevent galvanic action.

E. Packing, Shipping, Handling, and Unloading:

1. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

F. Storage and Protection:

1. Store materials so that they are protected from exposure to harmful weather conditions.
2. Handle material and components to avoid damage.
3. Protect material against damage from elements, construction activities, and other hazards before, during, and after installation.

2.4 GLAZING SYSTEMS

- A. Glazing shall comply with Section 088000 Glazing, including glass types, glazing materials, sealants, setting blocks, spacers, edge blocks, and installation requirements.
- B. Glazing Gaskets:
 - 1. Manufacturer's standard compression types
 - 2. Replaceable, extruded EPDM rubber
- C. Spacers and Setting Blocks:
 - 1. Manufacturer's standard elastomeric type
- D. Bond-Breaker Tape:
 - 1. Manufacturer's standard TFE-fluorocarbon or polyethylene material to which sealants will not develop adhesion.

2.5 HARDWARE:

- A. Refer to Entrance Door Hardware as specified in Division 0871000 Door Hardware Section.
- B. Refer to 085113Aluminum Windows for storefront window hardware.

2.6 ACCESSORY MATERIALS

- A. Joint Sealants:
 - 1. For installation at perimeter of aluminum-framed systems, as specified in Division 07 Joint Sealants Section.
- B. Bituminous Paint:
 - 1. Cold-applied asphalt-mastic paint
 - 2. Complies with SSPC-Paint 12 requirements except containing no asbestos
 - 3. Formulated for 30-mil (0.762 mm) thickness per coat

2.7 FABRICATION

- A. Fabricate framing member components that, when assembled, have the following characteristics:
 - 1. Profiles that are sharp, straight, and free of defects or deformations
 - 2. Accurately fitted joints that are flush, hairline, and weatherproof
 - 3. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior
 - 4. Physical and thermal isolation of glazing from framing members
 - 5. Accommodations for thermal and mechanical movements of glazing and framing that maintain required glazing edge clearances
 - 6. Provisions for field replacement of glazing
 - 7. Fasteners, anchors, and connection devices that are concealed from view to the greatest extent possible
- B. Mechanically Glazed Framing Members:

1. Fabricate for flush glazing without projecting stops.
- C. Storefront Framing:
 1. Storefront framing shall accommodate glazing thicknesses indicated in Section 088000, including 1/4 inch monolithic glazing and 1 inch insulating glass units.
 2. Fabricate components for assembly using manufacturer's standard installation instructions.
- D. After fabrication, clearly mark components to identify their locations in project according to shop drawings.

2.8 ALUMINUM FINISHES

- A. Finish designations that are prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
- B. Factory Finishing:
 1. Kawneer Permanodic® AA-M10C21A44, AAMA 611, Architectural Class I Color Anodic Coating (Color to be as selected by the Director's Representative from Manufacturers standard color selections).

PART 3 EXECUTION

3.1 EXAMINATION

- A. With installer present, examine openings, substrates, structural support, anchorage, and conditions for compliance with requirements for installation tolerances and other conditions affecting performance of work:
 1. Verify rough opening dimensions.
 2. Verify levelness of sill plate.
 3. Verify operational clearances.
 4. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components for proper water management.
 5. Wood Frame Walls:
 - a. Wood frame walls must be dry, clean, sound, well nailed, free of voids, and without offsets at joints.
 - b. Ensure that nail heads are driven flush with surfaces in opening and within 3" (76.2 mm) of opening.
- B. Proceed with installation only after correcting unsatisfactory conditions.

3.2 INSTALLATION

- A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing aluminum-framed storefront system, accessories, and other components.
- B. Install aluminum-framed storefront system so that components:
 1. Are level, plumb, square, and true to line
 2. Are without distortion and do not impede thermal movement
 3. Are anchored securely in place to structural support

- 4. Are in proper relation to wall flashing and other adjacent construction
- C. Set sill members in bed of sealant or with gaskets, as indicated, for weather-tight construction.
- D. Install aluminum-framed storefront system and components to drain condensation, water penetrating joints, and moisture migrating within aluminum-framed storefront system to the exterior.
- E. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.

3.3 FIELD QUALITY CONTROL

- A. Manufacturer's Field Services:
 - 1. Upon owner's written request, provide periodic site visit by manufacturer's field service representative.

3.4 ADJUSTING, CLEANING, AND PROTECTION

- A. Adjusting: Not applicable.
- B. Protection:
 - 1. Protect installed product's finish surfaces from damage during construction.
- C. Cleaning:
 - 1. Clean glass immediately after installation.
 - a. Comply with glass manufacturer's written recommendations for final cleaning and maintenance.
 - b. Remove non-permanent labels and clean surfaces.
 - 2. Clean aluminum surfaces.
 - 3. Avoid damaging protective coatings and finishes.
 - 4. Remove excess sealants, glazing materials, dirt, and other substances.
 - 5. Repair or replace damaged installed products.
 - 6. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during the construction period.
 - 7. Remove construction debris from project site and legally dispose of debris.

END OF SECTION

SECTION 085113**ALUMINUM WINDOWS****PART 1 - GENERAL****1.1 Related Documents**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 Summary

- A. Section includes Kawneer Architectural Aluminum Windows including perimeter trims, stools, accessories, shims and anchors, and perimeter sealing of window units. Refer to Section 084113, Aluminum Framed Entrances and Storefronts for system to receive aluminum windows.
 - 1. Types of aluminum windows include:
 - a) Kawneer OptiQ® AA®4325 Series Windows Project-Out Windows
 - b) 3-1/4" frame depth
 - c) AW-PG80-AP
- B. Related Sections:
 - 1. 084113 "Aluminum-Framed Entrances and Storefronts"

1.3 Definitions

- A. Definitions: For fenestration industry standard terminology and definitions refer to American Architectural Manufacturers Association (AAMA) – AAMA Glossary (AAMA AG).

1.4 Performance Requirements

- A. General Performance: Aluminum-framed window system shall withstand the effects of the following performance requirements without failure due to defective manufacture, fabrication, installation, or other defects in construction.
- B. Window Performance Requirements:
 - 1. Performance Requirements: Provide aluminum windows of performance indicated that comply with AAMA/WDMA/CSA 101/I.S.2/A440 (NAFS).
 - 2. Performance Class and Grade: Project-Out Awning Window
 - 3. Air Infiltration: after the AAMA 910 life cycle test, meet AAMA 101 standard of maximum 0.10 cfm/ft² when tested per ASTM E 283 at a static air pressure differential of 6.24 psf (300 PA).
 - 4. Water Penetration: after the AAMA 910 life cycle test, no uncontrolled water leakage when tested per ASTM E 547 and ASTM E 331 at a static air pressure differential of 15 psf (720 PA).
 - 5. Uniform Deflection: no more than L/175 when tested per ASTM E 330 at a static air pressure differential of 80 psf (3840 PA).
 - 6. Uniform Structural: window to be operable, and maximum .2% permanent deformation per member when tested per ASTM E 330 at a static air pressure differential of 120 psf (5748 PA).

7. Component Testing: Window components shall be tested in accordance with procedures described in ANSI AAMA/WDMA/CSA 101/I.S.2/A440 (NAFS).
 8. Energy Efficiency: 1" insulating glass [Standard]: U-Factor not more than .44 BTU/hr/sf/°F per AAMA 1503 with exterior 3/16" soft coat low E glass, argon gas, and interior 3/16" clear glass.
 9. Thermal Transmittance Test (U-Factor): When tested to AAMA specification 1503, AAMA 507 or NFRC 100 the thermal transmittance (U-Factor) shall not be more than:
 10. Component Testing: Window components shall be tested in accordance with procedures described in AAMA/WDMA/CSA 101/I.S.2/A440 and AAMA 910.
 11. Thermal Transmittance (U-factor), Simulated:
 - a. Thermal transmittance simulation results using AAMA 507 are based on a Center of Glass (COG) U-factor of 0.24 Btu/(hr·ft²·°F) and a warm-edge spacer.
 - b. Project-Out Windows: When simulated using AAMA 507, the U-factor shall not be more than: 0.40 Btu/(hr·ft²·°F) per AAMA 507.
 12. Condensation Resistance (CRF) or Temperature Index (TI):
 - a. Condensation resistance test results in accordance with AAMA 1503 or CSA A440 are based upon aluminum windows with 1" (25.4 mm) clear insulating glass (1/8", 3/4" AS, 1/8").
 - b. If using CRF: When tested using AAMA 1503, the CRF_{frame} and CRF_{glass} shall not be less than 51 and 54 respectively.
 - c. If using TI: When tested to CSA A440-00, the TI_{frame} and TI_{glass} shall not be less than 47 and 48 respectively
 13. Forced Entry Resistance: All windows shall conform to ASTM F588, Grade 10.
 14. Windborne-Debris-Impact-Resistance Performance: Shall be tested in accordance with ASTM E 1886 and information in ASTM E 1996 and TAS 201/203.
 - a. Large – Missile Impact: For aluminum-framed systems located within 30 feet (9.1m) of grade.
 - b. Small – Missile Impact: For aluminum-framed systems located within 30 feet (9.1m) above grade.
 15. Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC): When tested to AAMA Specification 1801 and in accordance with ASTM E1425 and ASTM E90, the STC and OITC Rating shall not be less than: 33 (STC) and 26 (OITC).
- C. Environmental Product Declarations (EPD): Shall have a Type III Product-Specific EPD created from a Product Category Rule.

1.5 Submittals

- A. Product Data: Include construction details, material descriptions, fabrication methods, dimensions of individual components and profiles, hardware, finishes, and operating instructions for each type of aluminum window indicated.
- B. Environmental Product Declaration (EPD):
 - a. Include a Type III Product-Specific EPD created from a Product Category Rule.

- C. Shop Drawings: Include plans, elevations, sections, details, hardware, attachments to other work, operational clearances and installation details.
- D. Samples for Initial Selection: For units with factory-applied color finishes including samples of hardware and accessories involving color selection.
- E. Samples for Verification: For aluminum windows and components required.
- F. Product Schedule: For aluminum windows. Use same designations indicated on Drawings.
- G. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency for each type, class, grade, and size of aluminum window. Test results based on use of downsized test units will not be accepted.

1.6 Quality Assurance

- A. Installer Qualifications: An installer which has had successful experiences with installation of the same or similar units required for this project and other projects of similar size and scope.
- B. Manufacturer Qualifications: A manufacturer capable of fabricating aluminum windows that meet or exceed performance requirements indicated and of documenting this performance by inclusion of test reports, and calculations.
- C. Source Limitations: Obtain aluminum windows through one source from a single manufacturer.
- D. Product Options: Drawings indicate size, profiles, and dimensional requirements of aluminum windows and are based on the specific system indicated. Refer to Division 01 Section "Product Requirements." Do not modify size and dimensional requirements.
 - 1. Do not modify intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If modifications are proposed, submit comprehensive explanatory data to Architect for review.

1.7 Project Conditions

- A. Field Measurements: Verify aluminum window openings by field measurements before fabrication and indicate measurements on Shop Drawings.

1.8 Warranty

- A. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty.
 - 1. Warranty Period: Two (2) years from Date of Substantial Completion of the project provided however that the Limited Warranty shall begin in no event later than six months from date of shipment by manufacturer.

PART 2 - PRODUCTS

2.1 Manufacturers

- A. Basis-of-Design Product:
 - 1. Kawneer Company Inc.: OptiQ® AA®4325 Series Windows Project-Out Awning window as indicated in the drawings
 - 2. 3-1/4" frame depth
 - 3. AW-PG80-AP
- B. Windows shall be compatible with and designed for installation within the specified aluminum storefront system.

2.2 Materials

- A. Aluminum Extrusions: Alloy and temper recommended by aluminum window manufacturer for strength, corrosion resistance, and application of required finish and not less than 0.090" (2.3 mm) wall thickness at any location for the main frame and sash members.
- B. Thermal Barrier: The thermal barrier shall be Kawneer consisting of low conductive polymer full depth of infill.
- C. Fasteners: Nonmagnetic stainless steel or other materials to be non-corrosive and compatible with aluminum window members, trim, hardware, anchors, and other components.
- D. Anchors: Nonmagnetic stainless steel, or zinc-coated steel or iron complying with ASTM B 633 for SC 3 severe service conditions; provide sufficient strength to withstand design pressure indicated.
- E. Sealant: For sealants required within fabricated windows, provide window manufacturer's standard, permanently elastic, non-shrinking, and non-migrating type recommended by sealant manufacturer for joint size and movement.

2.3 Window System:

- A. Kawneer OptiQ® AA®4325 Series Windows.
- B. Projected-Out Awning Windows

2.4 Glazing

- A. Glass, Glazing System and Materials: Refer to Division 08 Section "Glazing" for glass units and glazing requirements.

2.5 Hardware

- A. General: Provide manufacturer's standard hardware fabricated from aluminum, stainless steel, or other corrosion-resistant material compatible with aluminum; designed to smoothly operate, tightly close, and securely lock aluminum windows, and sized to accommodate sash weight and dimensions.
- B. Project-Out: Provide the following operating hardware:
 - 1. Stainless Steel 4-Bar Hinges
 - 2. Concealed Lock - Cast white bronze access control locks with removable key

2.6 Accessories

- A. Spacers, Setting Blocks, Gaskets, and Bond Breakers: Manufacturer's standard permanent, non-migrating types in hardness recommended by manufacturer, compatible with sealants, and suitable for system performance requirements.
- B. Framing system gaskets, sealants, and joint fillers as recommended by manufacturer for joint type.
- C. Sealants and joint fillers for joints at perimeter of window system as specified in Division 7 Section "Joint Sealants".
- D. Insect Screens: Extruded aluminum frames, 6063-T6 alloy and temper, joined at corners: 18 x 16 mesh fiberglass screen cloth; frames finished to match aluminum windows; splines shall be extruded vinyl, removable to permit rescreening.

2.7 Fabrication

- A. Framing Members, General: Fabricate components that, when assembled, have the following characteristics:

1. Profiles that are sharp, straight, and free of defects or deformations.
 2. Accurately fit joints; make joints flush, hairline and weatherproof.
 3. Means to drain water passing joints, condensation within framing members, and moisture migrating within the system to exterior.
 4. Physical and thermal isolation of glazing from framing members.
 5. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
 6. Provisions for field replacement of glazing.
 7. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.
- B. Window Vent and/or Vent Frame Joinery: Mitered and Mechanically clipped and/or staked. Factory sealed vent and /or vent frame and corner joints.
- C. Fabricate aluminum windows in sizes indicated. Include a complete system for assembling components and anchoring windows.

2.8 Aluminum Finishes

- A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
- Factory Finishing: Kawneer Permanodic® AA-M10C21A44, AAMA 611, Architectural Class I Color Anodic Coating (Color to be as selected by the Director's Representative from Manufacturers standard color selections).

PART 3 - EXECUTION

3.1 Examination

- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of work. Verify rough opening dimensions, levelness of sill plate and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weather tight window installation.
1. Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches (76.2 mm) of opening.
 2. Metal Surfaces: Dry; clean; free of grease, oil, dirt, rust, corrosion, and welding slag; without sharp edges or offsets at joints.
 3. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 Installation

- A. Comply with Drawings, Shop Drawings, and manufacturer's written instructions for installing windows, hardware, accessories, and other components.
- B. Install aluminum framed window system level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.
- C. Set sill members in bed of sealant or with gaskets, as indicated, for weather tight construction.
- D. Install aluminum framed window system and components to drain condensation, water penetrating joints, and moisture migrating within system to the exterior.
- E. Separate aluminum from dissimilar materials to prevent corrosion or electrolytic action at points of contact.

3.3 Adjusting, Cleaning, and Protection

- A. Adjust operating sashes, screens, hardware, and accessories for a tight fit at contact points and weather stripping for smooth operation and weather tight closure. Lubricate hardware and moving parts.
- B. Clean aluminum surfaces immediately after installing windows. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.
- C. Clean glass immediately after installing windows. Comply with manufacturer's written recommendations for final cleaning and maintenance. Remove nonpermanent labels, and clean surfaces.
- D. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.
- E. Protect window surfaces from contact with contaminating substances resulting from construction operations. In addition, monitor window surfaces adjacent to and below exterior concrete and masonry surfaces during construction for presence of dirt, scum, alkaline deposits, stains, or other contaminants. If contaminating substances do contact window surfaces, remove contaminants immediately according to manufacturer's written recommendations.

END OF SECTION

SECTION 085200 - WOOD WINDOWS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes Aluminum Clad Wood Windows

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 2. Review, discuss, and coordinate the interrelationship of wood windows with other exterior wall components. Include provisions for anchoring, flashing, weeping, sealing perimeters, and protecting finishes.
 - 3. Review and discuss the sequence of work required to construct a watertight and weathertight exterior building envelope.
 - 4. Inspect and discuss the condition of substrate and other preparatory work performed by other trades.

1.3 SUBMITTALS

- A. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
- B. Manufacturer's installation instructions shall be provided along with product data.
- C. Submittals shall be provided in the order in which they are specified, except as noted below, and tabbed (for combined submittals).
 - 1. Submit Qualification Data as specified in Quality Control Submittals first.
- D. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, glazing and fabrication methods, dimensions of individual components and profiles, hardware, and finishes for wood windows.
 - 2. Include manufacturer's installation instructions.
- E. Shop Drawings: For Aluminum clad wood windows.
 - 1. Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.

- F. Samples: For each exposed product and for each color specified, 2 by 4 inches in size.
- G. Samples for Initial Selection: For units with factory-applied finishes.
 - 1. Include Samples of hardware and accessories involving color selection.
- H. Samples for Verification: For wood windows and components required, prepared on Samples of size indicated below:
 - 1. Exposed Finishes: 2 by 4 inches.
 - 2. Exposed Hardware: Full-size units.
- I. Product Schedule: For Aluminum clad wood windows. Use same designations indicated on Drawings.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An installer acceptable to Aluminum Clad Wood Window manufacturer for installation of units required for this Project.
- B. Benchmarks: Build benchmarks to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
 - 1. Build benchmark of typical wall area as shown on Drawings.
 - 2. Approval of benchmarks does not constitute approval of deviations from the Contract Documents contained in benchmarks unless Director's Representative specifically approves such deviations in writing.

1.5 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace wood windows that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Failure to meet performance requirements.
 - b. Structural failures including excessive deflection, water leakage, and air infiltration.
 - c. Faulty operation of movable sash and hardware.
 - d. Deterioration of materials and finishes beyond normal weathering.
 - e. Failure of insulating glass.
 - 2. Warranty Period:
 - a. Window: 10 years from date of Substantial Completion.
 - b. Glazing Units: 10 years from date of Substantial Completion.
 - c. Aluminum-Cladding Finish: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Obtain Aluminum-Clad Wood Windows from single source from single manufacturer.

2.2 WINDOW PERFORMANCE REQUIREMENTS

- A. Product Standard: Comply with AAMA/WDMA/CSA 101/I.S.2/A440 for definitions and minimum standards of performance, materials, components, accessories, and fabrication unless more stringent requirements are indicated.
- B. Performance Class and Grade: AAMA/WDMA/CSA 101/I.S.2/A440 as follows:
 - 1. Minimum Performance Grade: 50.
- A. Thermal Transmittance: NFRC 100 maximum whole-window U-factor of 0.28 Btu/sq. ft. x h x deg F.
- B. Solar Heat-Gain Coefficient (SHGC): NFRC 200 maximum whole-window SHGC of 0.40.
- C. Sound Transmission Class (STC): Rated for not less than 30 STC when tested for laboratory sound transmission loss according to ASTM E90 and determined by ASTM E413.
- D. Outside-Inside Transmission Class (OITC): Rated for not less than 28 OITC when tested for laboratory sound transmission loss according to ASTM E90 and determined by ASTM E1332.
- E. Air Infiltration: Maximum 0.10 cfm/sf when tested in accordance with ASTM E283 at 6.24 psf.
- F. Water Penetration resistance requirement: No uncontrolled water penetration when tested in accordance with ASTM E547 at a pressure equal to 15 percent of design pressure, but not less than 8 psf.
- G. Structural Performance: No permanent deformation, damage to components, or failure of operation when tested in accordance with ASTM E330.

2.3 WOOD WINDOWS

- A. Aluminum-Clad Wood Windows: Factory-assembled Ultimate French Casement as manufactured by Marvin.
- B. Operating Types: Provide the following operating types in locations indicated on Drawings:
 - 1. Casement: Project out.
- C. Frames and Sashes:

1. Frame Description:

- a. Interior: Finger-jointed core with non finger-jointed Douglas Fir veneer.
- b. Kiln-dried to moisture content no greater than twelve (12) percent at the time of fabrication
- c. Water repellant preservative treated in accordance with WDMA I.S.4.
- d. Provide manufacturer's standard extruded aluminum cladding for exterior cladding.
- e. Frame thickness: 1 3/16" (30mm)
- f. Frame depth has an overall 5 21/32" jamb (144mm). 4 9/16" (116mm) jamb depth from the nailing fin plane to the interior face of the frame for new construction.

2. Sash Description:

- g. Interior: finger-jointed core with non finger-jointed Douglas Fir veneer.
- h. Kiln-dried to moisture content no greater than twelve (12) percent at the time of fabrication
- i. Water repellant preservative treated with accordance with WDMA I.S.4
- j. Sash exterior aluminum clad with 0.055" (1.3mm) thick extruded aluminum
- k. Sash thickness: 1 5/8" (41mm) and 1 7/8" (48mm)
- l. Stiles and Rails: 2 1/16" (52mm)

3. Glazing Profiles:

- m. Interior Glazing Profile: Coordinate with Glazing manufacturer
- n. Exterior Glazing Profile: Coordinate with Glazing manufacturer

4. Exterior Finish: Aluminum clad. Fluoropolymer modified acrylic topcoat over a primer. Meets AAMA 2605 requirements.

- o. Color: As selected by Director's Representative from manufacturer's full range

5. Interior Finish: Factory-applied painted finish

- p. Color: As selected by Director's Representative from manufacturer's full range.

D. Glass:

Glass Type –

- a) Glass and glazing materials shall comply with Section 088000 Glazing.
- b) Provide insulated glazing units consisting of fully tempered safety glass, low-emissivity coating on Surface #2, argon fill, and warm-edge spacers.
- c) Provide insulated fully tempered frosted safety glazing where indicated on Drawings.

E. Hardware, General: Provide manufacturer's standard hardware fabricated from aluminum, stainless steel, carbon steel complying with AAMA 907, or other corrosion-resistant material compatible with adjacent materials; designed to smoothly operate, tightly close, and securely lock windows, and sized to accommodate sash weight and dimensions.

- 1. Exposed Hardware Color and Finish : As selected by Director's Representative from manufacturer's full range.

F. Projected Window Hardware:

1. Gear-Type Rotary (Crank out) Operators: Complying with AAMA 901 when tested according to ASTM E405, Method A. Provide operators that function without requiring the removal of interior screens or using screen wickets.
2. Type and Style: Provide standard folding type crank out handles.
3. Hinges: Manufacturer's standard type for sash weight and size indicated.
4. Single-Handle Locking System: Operates positive-acting arms that pull sash into locked position. Provide one arm on sashes up to 29 inches tall and two arms on taller sashes.
5. Limit Devices: Provide manufacturer's standard limit device for sash weight and size indicated.
 - a. Limit clear opening to 4 inches for ventilation; with custodial key release.
6. Operator Stud Cover: Matching operator handle finish. Provide in locations where operator handle is removed for controlled access.
7. Pole Operators: Tubular-shaped anodized aluminum; with rubber-capped lower end and standard push-pull hook at top to match hardware design; of sufficient length to operate window without reaching more than 60 inches above floor; one pole operator and pole hanger per room that has operable windows more than 72 inches above floor.

G. Weather Stripping: Provide full-perimeter weather stripping for each operable sash unless otherwise indicated.

H. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.

1. Exposed Fasteners: Do not use exposed fasteners to greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.

2.4 ACCESSORIES

A. Dividers (False Muntins): Provide divider grilles in designs indicated for each sash lite.

1. Quantity and Type: As indicated on drawings.
2. Material: Exterior muntin to be 0.055" (1.4mm) thick extruded aluminum, finish to match exterior sash and frame. Interior muntin to be 0.055" thk, finish to match interior frame and sash.
3. Pattern: As indicated on Drawings.
4. Profile: As selected by Director's Representative from manufacturer's full range.
5. Color: To match sash and frame.

2.5 INSECT SCREENS

A. General: Fabricate insect screens to integrate with window frame. Provide screen for each operable exterior sash. Screen wickets are not permitted.

1. Type and Location: Full, inside for project-out sashes.
- B. Aluminum Frames: Manufacturer's standard aluminum alloy complying with SMA 1004 or SMA 1201. Fabricate frames with mitered or coped joints or corner extrusions, concealed fasteners, and removable PVC spline/anchor concealing edge of frame.
 1. Tubular Framing Sections and Cross Braces: Roll formed from aluminum sheet.
 2. Finish for Interior Screens: Baked-on organic coating in color selected by Director's Representative from manufacturer's full range.
- C. Aluminum Wire Fabric: 18-by-16 mesh of 0.011-inch-diameter, coated aluminum wire.
 1. Wire-Fabric Finish: As selected by Director's Representative from manufacturer's full range.

2.6 FABRICATION

- A. Fabricate aluminum clad wood windows in sizes indicated. Include a complete system for installing and anchoring windows.
- B. Glaze wood windows in the factory.
- C. Weather strip each operable sash to provide weathertight installation.
- D. Mullions: Provide mullions and cover plates, matching window units, complete with anchors for support to structure and installation of window units. Allow for erection tolerances and provide for movement of window units due to thermal expansion and building deflections. Provide mullions and cover plates capable of withstanding design wind loads of window units.
- E. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation. Allow for scribing, trimming, and fitting at Project site.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Verify rough opening dimensions, levelness of sill plate, and operational clearances.
- C. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure weathertight window installation.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E2112.
- B. Install windows level, plumb, square, true to line, without distortion, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.

3.3 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
 - 1. Testing and inspecting agency will interpret tests and state in each report whether tested work complies with or deviates from requirements.
- B. Testing Services: Testing and inspecting of installed windows shall take place as follows:
 - 1. Testing Methodology: Testing of windows for air infiltration and water resistance shall be performed according to AAMA 502.
 - 2. Air-Infiltration Testing:
 - a. Test Pressure: That required to determine compliance with AAMA/WDMA/CSA 101/I.S.2/A440 performance class indicated.
 - b. Allowable Air-Leakage Rate: 1.5 times the applicable AAMA/WDMA/CSA 101/I.S.2/A440 rate for product type and performance class rounded down to one decimal place.
 - 3. Water-Resistance Testing:
 - a. Test Pressure: Two-thirds times test pressure required to determine compliance with AAMA/WDMA/CSA 101/I.S.2/A440 performance grade indicated.
 - b. Allowable Water Infiltration: No water penetration.
 - 4. Testing Extent: Three benchmark windows of each type as selected by Director's Representative and a qualified independent testing and inspecting agency. Windows shall be tested after perimeter sealants have cured.
 - 5. Test Reports: Prepared according to AAMA 502.
- C. Windows will be considered defective if they do not pass tests and inspections.
- D. Prepare test and inspection reports.

3.4 ADJUSTING, CLEANING, AND PROTECTION

- A. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.

- B. Clean exposed surfaces immediately after installing windows. Remove excess sealants, glazing materials, dirt, and other substances.
 - 1. Keep protective films and coverings in place until final cleaning.
- C. Remove and replace sashes if glass has been broken, chipped, cracked, abraded, or damaged during construction period.
- D. Protect window surfaces from contact with contaminating substances resulting from construction operations. If contaminating substances do contact window surfaces, remove contaminants immediately according to manufacturer's written instructions.

END OF SECTION 085200

SECTION 088000 - GLAZING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Insulated Fully Tempered Clear Safety Glazing
 - 2. Fully Tempered Clear Safety Glazing
 - 3. Insulated Fully Tempered Frosted Glazing
 - 4. Fully Tempered Mirrored Safety Glazing
 - 5. Glazing sealants.
 - 6. Glazing tapes.
 - 7. Miscellaneous glazing materials.
- B. Related Requirements:
 - 1. Section 084113 Aluminum Framed Entrances And Storefronts.

1.3 DEFINITIONS

- A. Glass Manufacturers: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.
- B. Glass Thicknesses: Indicated by thickness designations in millimeters in accordance with ASTM C1036.
- C. IBC: International Building Code the Uniform Code.
- A. Interspace: Space between lites of an insulating-glass unit.

1.4 COORDINATION

- A. Coordinate glazing channel dimensions to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.

1.5 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
2. Review temporary protection requirements for glazing during and after installation.

1.6 ACTION SUBMITTALS

- A. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
- B. Manufacturer's installation instructions shall be provided along with product data.
- C. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).
- D. Product Data: For each type of product.
 1. Include manufacturer's product data, performance characteristics, glazing composition, thicknesses, edge treatments, and installation recommendations.
- E. Submit an Environmental Product Declaration (EPD) from the manufacturer for glass within this specification section, if available. A statement of the contractor's good faith effort to obtain the EPD shall be provided if not available.
 1. Manufacturer-provided EPDs must be Product Specific Type III (Third-Party Reviewed), in adherence with ISO 14025 *Environmental labels and declarations*, ISO 14044 *Environmental management – Life cycle assessment*, and ISO 21930 *Core rules for environmental product declarations of construction products and services*.
- F. Glass Samples: For each type of the following products; 12 inches (300 mm) square.
 1. Insulated Fully Tempered Clear Safety Glazing
 2. Fully Tempered Clear Safety Glazing
 3. Insulated Fully Tempered Frosted Safety Glazing
 4. Fully Tempered Mirrored Safety Glazing
- G. Glazing Accessory Samples: For sealants and colored spacers, in 12-inch (300-mm) lengths.
- H. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.
- I. Delegated-Design Submittal: For glass indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by qualified professional engineer responsible for their preparation.
- J. Quality Control Submittals:
 1. Product Certificates: For glass.
 2. Product Test Reports: For fabricated glass and glazing sealants, for tests performed by a qualified testing agency.

- a. For glazing sealants, provide test reports based on testing current sealant formulations within previous 36-month period.
- 3. Preconstruction adhesion and compatibility test report.
- 4. Sample Warranties: For special warranties.

1.7 QUALITY ASSURANCE

- A. Fabricated-Glass Manufacturer Qualifications: A qualified manufacturer of fabricated glass units who is approved and certified by primary glass manufacturer.
- B. Installer Qualifications: A qualified glazing contractor for this Project who is certified under the North American Contractor Certification Program (NACC) for Architectural Glass & Metal (AG&M) contractors and who employs glazing technicians certified under the Architectural Glass and Metal Technician (AGMT) certification program .
- C. Glass Testing Agency Qualifications: A qualified independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.
- D. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C1021 to conduct the testing indicated.
- E. Mockups: Build mockups to demonstrate aesthetic effects and to set quality standards for materials and execution.
 - 1. Install glazing in mockups specified in Section 084113 "Aluminum-Framed Entrances and Storefronts" , Section 085113 "Aluminum Windows", Section 085200 "Wood Windows" to match glazing systems required for Project, including glazing methods.
 - 2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.8 PRECONSTRUCTION TESTING

- A. Preconstruction Adhesion and Compatibility Testing: Test each glass product, tape sealant, gasket, glazing accessory, and glass-framing member for adhesion to and compatibility with elastomeric glazing sealants.
 - 1. Testing is not required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
 - 2. Use ASTM C1087 to determine whether priming and other specific joint-preparation techniques are required to obtain rapid, optimum adhesion of glazing sealants to glass, tape sealants, gaskets, and glazing channel substrates.
 - 3. Test no fewer than eight Samples of each type of material, including joint substrates, shims, sealant backings, secondary seals, and miscellaneous materials.
 - 4. Schedule enough time for testing and analyzing results to prevent delaying the Work.
 - 5. For materials failing tests, submit sealant manufacturer's written instructions for corrective measures including use of specially formulated primers.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Protect glazing materials in accordance with manufacturer's written instructions. Prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.
- B. Comply with insulating-glass manufacturer's written instructions for venting and sealing units to avoid hermetic seal ruptures due to altitude change.

1.10 FIELD CONDITIONS

- A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.
 - 1. Do not install glazing sealants when ambient and substrate temperature conditions are outside limits permitted by sealant manufacturer or are below 40 deg F (4.4 deg C).

1.11 WARRANTY

- A. Manufacturer's Special Warranty for all Insulating Glass types: Manufacturer agrees to replace insulating-glass units that deteriorate within specified warranty period. Deterioration of insulating glass is defined as failure of hermetic seal under normal use that is not attributed to glass breakage or to maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is obstruction of vision by dust, moisture, or film on interior surfaces of glass.
 - 1. Warranty Period: 10 years from date of Substantial Completion.
- B. Manufacturer's Special Warranty for all Fully Tempered safety glazing. Manufacturer agrees to replace fully tempered glass exhibiting spontaneous breakage due to manufacturing defects, excessive roller-wave distortion, edge defects, delamination of applied coatings, or other manufacturing deficiencies. Evidence of failure is obstruction of vision by dust, moisture, or film on interior surfaces of glass.
 - 1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations for Glass: Obtain coated glass from single source from single manufacturer.
- B. Source Limitations for Glazing Accessories: For each product and installation method, obtain from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.
- B. Structural Performance: Glazing shall withstand the following design loads within limits and under conditions indicated determined in accordance with the IBC and ASTM E1300:
 - 1. Design Wind Pressures: Determine design wind pressures applicable to Project in accordance with ASCE/SEI 7, based on heights above grade indicated on Drawings
 - a. Basic Wind Speed: 118 mph
 - b. Importance Factor: 1.0.
 - c. Exposure Category: C.
 - 2. Design Snow Loads: As indicated on Drawings.
 - 3. Probability of Breakage for Sloped Glazing: For glass sloped more than 15 degrees from vertical, design glass for a probability of breakage not greater than 0.001.
 - 4. Maximum Lateral Deflection: For glass supported on all four edges, limit center-of-glass deflection at design wind pressure to not more than 1/50 times the short-side length or 1 inch (25 mm), whichever is less.
 - 5. Differential Shading Thermal Loads: Design glazing to resist thermal stress breakage induced by differential temperature conditions and limited air circulation within individual glass lites and insulated glazing units. es induced by differential shading within individual glass lites.
- C. Safety Glazing: Where safety glazing is indicated, provide glazing that complies with 16 CFR 1201, Category II.
- D. Thermal and Optical Performance Properties: Provide glass with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:
 - 1. For insulating-glass units, properties are based on units of thickness indicated for overall unit and for each lite.
 - 2. U-Factors: Center-of-glazing values, in accordance with NFRC 100 and based on LBL's WINDOW 7 computer program, expressed as Btu/sq. ft. x h x deg F (W/sq. m x K).
 - 3. SHGC and Visible Transmittance: Center-of-glazing values, in accordance with NFRC 200 and based on LBL's WINDOW 7 computer program.
 - 4. Visible Reflectance: Center-of-glazing values, in accordance with NFRC 300.
- E. Acoustic Performance:
 - 1. Exterior Glazing: Minimum OITC rating of 28.
 - 2. Interior Glazing: Minimum STC rating of 32.

2.3 GLASS PRODUCTS, GENERAL

- A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below unless more stringent requirements are indicated. See these publications for glazing terms not otherwise defined in this Section or in referenced standards.
 - 1. NGA Publications: "Glazing Manual."
 - 2. AAMA Publications: AAMA GDSG-1, "Glass Design for Sloped Glazing," and AAMA TIR A7, "Sloped Glazing Guidelines."
 - 3. IGMA Publication for Sloped Glazing: IGMA TB-3001, "Guidelines for Sloped Glazing."
 - 4. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."
- B. Safety Glazing Labeling: Where safety glazing is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.
- C. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of the IGCC.
- D. Thickness: Provide glass that complies with performance requirements and is not less than thickness indicated.
 - 1. Minimum Glass Thickness for Exterior Lites: Provide thickness determined by ASTM E1300 and delegated design calculations.
 - 2. Thickness of Frosted Glass: Provide same thickness for each frosted color indicated throughout Project.
- E. Strength: Where annealed float glass is indicated, provide annealed float glass, heat-strengthened float glass, or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where heat-strengthened float glass is indicated, provide heat-strengthened float glass or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where fully tempered float glass is indicated, provide fully tempered float glass.

2.4 GLASS PRODUCTS

- A. Fully Tempered Float Glass: ASTM C1048, Kind FT (fully tempered), Condition A (uncoated) unless otherwise indicated, Type I, Class 1 (clear) or Class 2 (tinted) as indicated, Quality-Q3.
 - 1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.

2.5 INSULATING GLASS

- A. Insulating-Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified in accordance with ASTM E2190.
 - 1. Sealing System: Dual seal, with manufacturer's standard primary and secondary sealants.

2. Perimeter Spacer: Manufacturer's standard high-performance spacer system. Finish in color selected by Director's representative.
3. Desiccant: Molecular sieve or silica gel, or a blend of both, as recommended by manufacturer.

2.6 GLAZING SEALANTS

A. General:

1. Compatibility: Compatible with one another and with other materials they contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
3. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range of industry colors.

B. Neutral-Curing Silicone Glazing Sealant, Class 50: Complying with ASTM C920, Type S, Grade NS, Use NT.

1. Applications: Exterior aluminum storefront system, Exterior perimeter glazing joints, Weatherseal joints at insulated glazing units, Glazing installations exposed to exterior weather conditions, Joints between glazing systems and adjacent construction.

C. Neutral-Curing Silicone Glazing Sealant, Class 25: Complying with ASTM C920, Type S, Grade NS, Use NT.

1. Applications: Interior glazing installations, Interior mirrored glazing, Non-structural glazing applications not exposed to weather, Interior perimeter joints between glazing systems and adjacent finishes.

2.7 GLAZING TAPES

A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800 for products indicated below:

1. AAMA 804.3 tape, where indicated.
2. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
3. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.

B. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:

1. AAMA 810.1, Type 1, for glazing applications in which tape acts as primary sealant.

2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.8 MISCELLANEOUS GLAZING MATERIALS

- A. General: Provide products of material, size, and shape complying with referenced glazing standard, recommended in writing by manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
- C. Setting Blocks:
 1. EPDM with Shore A durometer hardness of 85, plus or minus 5.
 2. Type recommended in writing by sealant or glass manufacturer.
- D. Spacers:
 1. Neoprene blocks or continuous extrusions of hardness required by glass manufacturer to maintain required edge and face clearances.
 2. Type recommended in writing by sealant or glass manufacturer.
- E. Edge Blocks:
 1. EPDM with Shore A durometer hardness per manufacturer's written instructions.
 2. Type recommended in writing by sealant or glass manufacturer.
- F. Cylindrical Glazing Sealant Backing: ASTM C1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.
- G. Glazing Gaskets: Manufacturer's standard extruded EPDM gaskets compatible with glazing materials, sealants, and aluminum

2.9 FABRICATION OF GLAZING UNITS

- A. Fabricate glazing units in sizes required to fit openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.
 1. Allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components.
 - a. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

- B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lites to produce square edges with slight chamfers at junctions of edges and faces.
- C. Grind smooth and polish exposed glass edges and corners.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine framing, glazing channels, and stops, with Installer present, for compliance with the following:
 - 1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
 - 2. Presence and functioning of weep systems.
 - 3. Minimum required face and edge clearances.
 - 4. Effective sealing between joints of glass-framing members.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.
- B. Examine glazing units to locate exterior and interior surfaces. Label or mark units as needed so that exterior and interior surfaces are readily identifiable. Do not use materials that leave visible marks in the completed Work.

3.3 GLAZING, GENERAL

- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.
- B. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass includes glass with edge damage or other imperfections that, when installed, could weaken glass, impair performance, or impair appearance.
- C. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.
- D. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

- E. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.
- F. Provide spacers for glass lites where length plus width is larger than 50 inches (1270 mm).
 - 1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
 - 2. Provide 1/8-inch- (3-mm-) minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
- G. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and in accordance with requirements in referenced glazing publications.
- H. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
- I. Set glass lites with proper orientation so that coatings face exterior or interior as specified.
- J. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.
- K. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended in writing by gasket manufacturer.

3.4 TAPE GLAZING

- A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.
- B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.
- C. Cover vertical framing joints by applying tapes to heads and sills first, then to jambs. Cover horizontal framing joints by applying tapes to jambs, then to heads and sills.
- D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
- E. Do not remove release paper from tape until right before each glazing unit is installed.
- F. Apply heel bead of elastomeric sealant.
- G. Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.

- H. Apply cap bead of elastomeric sealant over exposed edge of tape.

3.5 GASKET GLAZING (DRY)

- A. Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.
- B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.
- C. Installation with Drive-in Wedge Gaskets: Center glass lites in openings on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended in writing by gasket manufacturer.
- D. Installation with Pressure-Glazing Stops: Center glass lites in openings on setting blocks and press firmly against soft compression gasket. Install dense compression gaskets and pressure-glazing stops, applying pressure uniformly to compression gaskets. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended in writing by gasket manufacturer.
- E. Install gaskets so they protrude past face of glazing stops.

3.6 SEALANT GLAZING (WET)

- A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.
- B. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.
- C. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

3.7 CLEANING AND PROTECTION

- A. Immediately after installation, remove nonpermanent labels and clean surfaces.
- B. Protect glass from contact with contaminating substances resulting from construction operations. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains.

1. If, despite such protection, contaminating substances do contact with glass, remove substances immediately as recommended in writing by glass manufacturer. Remove and replace glass that cannot be cleaned without damage to coatings.
- C. Remove and replace glass that is damaged during construction period.
- D. Wash glass on both exposed surfaces not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

3.8 MONOLITHIC GLASS SCHEDULE

- A. Fully Tempered Clear Safety Glazing – G2.
 1. Basis-of-Design Product: Guardian Clear
 2. Minimum Thickness of Each Glass Lite: 6 mm
 3. Lite: Fully Tempered float glass.
 4. Winter Nighttime U-Factor: 1.025 Btu/hr·ft²·F
 5. Summer Daytime U-Factor: 0.929 Btu/hr·ft²·F.
- B. Fully Tempered Mirrored Safety Glazing – G4.
 1. Basis-of-Design Product: Guardian – Ultra Mirror
 2. Minimum Thickness of Each Glass Lite: 6 mm
 3. Lite: Fully Tempered float glass.

3.9 INSULATING GLASS SCHEDULE

- A. Insulated Fully Tempered Clear Safety Glazing G1:
 1. Basis-of-Design Product: Guardian - SNR 50 on Clear
 2. Overall Unit Thickness: 1 inch (25 mm).
 3. Minimum Thickness of Each Glass Lite: 6 mm
 4. Outdoor Lite: Fully Tempered float glass.
 5. Interspace Content: Argon.
 6. Indoor Lite: Fully Tempered float glass.
 7. Coating – Low E coating on surface #2
 8. Winter Nighttime U-Factor: 0.289 Btu/hr·ft²·F.
 9. Summer Daytime U-Factor: 0.270 Btu/hr·ft²·F.
- B. Insulated Fully Tempered Frosted Safety Glazing G2:
 1. Basis-of-Design Product: Guardian – Satin Deco acid-etched translucent glass
 2. Overall Unit Thickness: 1 inch (25 mm).
 3. Minimum Thickness of Each Glass Lite: 6 mm
 4. Outdoor Lite: Fully Tempered Frosted Glass
 5. Interspace Content: Argon.
 6. Indoor Lite: Fully Tempered Frosted Glass
 7. Winter Nighttime U-Factor: 0.289 Btu/hr·ft²·F.

8. Summer Daytime U-Factor: 0.270 Btu/hr·ft²·F.

END OF SECTION 088000

SECTION 323124 – COMPOSITE WOOD FENCE AND GATES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Steel-framed composite wood fence panel.
 - 2. Steel-framed Composite wood infill gates.
 - 3. Gate hardware and accessories.
 - 4. Concrete footings.

1.2 REFERENCES

- A. ASTM International:
 - a. ASTM A123 – Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
 - b. ASTM A153 – Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
 - c. ASTM A653 – Steel Sheet, Zinc-Coated.
 - d. ASTM C94 – Ready-Mixed Concrete.
 - e. ASTM D7032 – Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems.
- f. B. AAMA:
 - g. AAMA 2604 – High Performance Organic Coatings.
 - h. AAMA 2605 – Superior Performing Organic Coatings.

1.3 PERFORMANCE REQUIREMENTS

- A. Structural Performance:
 - a. Fence system shall withstand design wind loads indicated on Contract Drawings.
 - b. Fence system shall be engineered by a Professional Engineer licensed in the State of New York.
- B. Design Criteria:
 - a. Fence Height: As indicated on Drawings.
 - b. Maximum Post Spacing: 6 feet on center unless otherwise indicated by structural calculations.
- C. Structural Calculations:
 - a. Provide Structural Calculations for fence system, posts, gates and foundations.
 - b. Calculations shall be signed and sealed by a professional engineer licensed in the state of New York.

1.4 SUBMITTALS

- A. Product Data for the following:
 - 1. Composite wood fence panels
 - 2. Posts.
 - 3. Gates.

- 4. Hardware.
- 5. Coatings.

- B. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.

- C. Manufacturer's installation instructions shall be provided along with product data.

- D. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).

- E. Shop Drawings:
 - a. Fence layout.
 - b. Post spacing.
 - c. Footing sizes and depths.
 - d. Gate details.
 - e. Hardware schedule.
 - f. Connection details.

- F. Structural Calculations: Signed and sealed by a Professional Engineer licensed in New York State.

- G. Samples:
 - a. Twelve-inch sample of each composite board type and color.
 - b. Finish samples of steel framing.
 - c. Samples of gate hardware.

- H. Manufacturer Certifications:
 - a. Composite board composition.
 - b. UV resistance.
 - c. Warranty documentation.

1.5 QUALITY ASSURANCE

1. Manufacturer shall have minimum five years documented experience producing composite fencing systems.
2. Installer shall have minimum three years documented experience installing similar fence systems.

1.6 DELIVERY, STORAGE, AND HANDLING

1. Deliver materials in manufacturer's original packaging.
2. Store materials off ground and protected from damage and weather.
3. Handle materials to prevent scratching, bending, or other damage.

PART 2 - PRODUCTS

2.1 Manufacturer

A. Basis of Design:

1. Perimtec Steel Frame Fence System with Composite Infill Boards.

B. Acceptable Manufacturers:

1. Perimtec.
2. Trex Fencing.
3. Fiberon.
4. Approved Equal.

2.2 STEEL FRAMED COMPOSITE WOOD FENCE PANEL

A. MATERIALS

1. Basis of Design : Perimtec – Steel Frame Fence System with Composite wood infill boards
2. Fence Boards: Composite Wood High Density hollow core fence board
3. Nominal Dimensions $\frac{3}{4}$ " x 6"
4. Panel size - 8' H X 6'W, Boards placed vertically
5. Edge: Tongue and Groove.
6. Color: As selected by Director's Representative.

B. Fence Style: Privacy, solid boards

C. Post : Manufacturer's standard galvanized steel posts sized to meet structural requirements, spaced at 6' on centre.

D. Fence Hardware: Provide exterior grade heavy duty hardware as per manufacturer's recommendations.

E. Concrete: Provide 2 to 4 percent air entrained Portland cement concrete with minimum compressive strength of 4000 psi at 28 days.

2.3 GATE AND GATE HARDWARE

- A. Gate: Steel Frame Fence with Composite wood infill board gate system.
 - 1. Leaf size – Double gate to be 12' wide, single gate to be 3' wide.
- B. Gate Hardware:
 - 1. Provide exterior grade heavy duty hinge from manufacturer's range. Finish to match gate and fence framing.
 - 2. Gate latch shall be weatherproof keyed gate lock type. Finish to match gate leaf framing
 - 3. Provide cane bolt.
 - 4. Provide centre stop at double gates.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify site conditions before installation.
- B. Do not begin installation until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's written instructions and approved shop drawings.
- B. Set posts plumb and true in concrete footings.
- C. Maintain consistent alignment, spacing, and elevations.
- D. Install gates for smooth operation without binding.
- E. Install hardware in accordance with manufacturer's recommendations.

3.3 FIELD QUALITY CONTROL

- A. Verify fence alignment and operation of all gates.
- B. Replace damaged materials.

3.4 CLEANING

- A. Remove debris and excess materials.
- B. Clean exposed surfaces.

3.5 PROTECTION

- A. Protect completed work until Substantial Completion.

END OF SECTION 32 31 24

SECTION 260544

SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Round sleeves.
 - 2. Sleeve seal systems.
 - 3. Pourable sealants.
 - 4. Foam sealants

1.3 SUBMITTALS

- A. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
- B. Manufacturer's installation instructions shall be provided along with product data.
- C. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).
- D. Product Data: For each type of product.
- E. Submit an Environmental Product Declaration (EPD) from the manufacturer for steel pipe sleeves within this specification section, if available. A statement of the contractor's good faith effort to obtain the EPD shall be provided if not available.
 - 1. Manufacturer-provided EPDs must be Product Specific Type III (Third-Party Reviewed), in adherence with ISO 14025 *Environmental labels and declarations*, ISO 14044 *Environmental management – Life cycle assessment*, and ISO 21930 *Core rules for environmental product declarations of construction products and services*.

PART 2 - PRODUCTS

2.1 ROUND SLEEVES

- A. Wall Sleeves, Steel:
 - 1. Description: ASTM A53/A53M, Type E, Grade B, Schedule 40, zinc coated, plain ends and integral waterstop.

2.2 SLEEVE SEAL SYSTEMS

- A. Description: Modular sealing device, designed for field assembly, to fill annular space between sleeve and raceway or cable or between raceway and cable.
 - 1. Sealing Elements: Nitrile (Buna N) rubber interlocking links shaped to fit surface of pipe. Include type and number required for pipe material and size of pipe.
 - 2. Pressure Plates: Carbon steel.
 - 3. Connecting Bolts and Nuts: Carbon steel, with corrosion-resistant coating, of length required to secure pressure plates to sealing elements.

2.3 POURABLE SEALANTS

- A. Description: Single-component, neutral-curing elastomeric sealants of grade indicated below.
 - 1. Grade: Pourable (self-leveling) formulation for openings in floors and other horizontal surfaces that are not fire rated.

2.4 FOAM SEALANTS

- A. Description: Multicomponent, liquid elastomers that, when mixed, expand and cure in place to produce a flexible, nonshrinking foam. Foam expansion must not damage cables or crack penetrated structure.

PART 3 - EXECUTION

3.1 INSTALLATION OF SLEEVES FOR NON-FIRE-RATED ELECTRICAL PENETRATIONS

- A. Comply with NECA 1.
- B. Sleeves for Conduits Penetrating Above-Grade, Non-Fire-Rated, Concrete and Masonry-Unit Floors and Walls:
 - 1. Interior Penetrations of Non-Fire-Rated Walls and Floors:
 - a. Seal space outside of sleeves with mortar or grout. Pack sealing material solidly between sleeve and wall or floor so no voids remain. Tool exposed surfaces smooth; protect material while curing.
 - b. Seal annular space between sleeve and raceway or cable, using joint sealant appropriate for size, depth, and location of joint. Comply with requirements in Section 079200 "Joint Sealants."
 - 2. Use pipe sleeves unless penetration arrangement requires rectangular sleeved opening.
 - 3. Size pipe sleeves to provide 1/4-inch (6.4-mm) annular clear space between sleeve and raceway or cable, unless sleeve seal system is to be installed.
 - 4. Install sleeves for wall penetrations unless core-drilled holes or formed openings are used. Install sleeves during erection of walls. Cut sleeves to length for mounting flush with both surfaces of walls. Deburr after cutting.
 - 5. Install sleeves for floor penetrations. Extend sleeves installed in floors 2 inches (50 mm) above finished floor level. Install sleeves during erection of floors.

- C. Sleeves for Conduits Penetrating Non-Fire-Rated Wall Assemblies:
 - 1. Use circular metal sleeves unless penetration arrangement requires rectangular sleeved opening.
 - 2. Seal space outside of sleeves with approved joint compound for wall assemblies.
- D. Roof-Penetration Sleeves: Seal penetration of individual raceways and cables with flexible boot-type flashing units applied in coordination with roofing work.
- E. Aboveground, Exterior-Wall Penetrations: Seal penetrations using steel pipe sleeves and mechanical sleeve seal systems. Size sleeves to allow for 1-inch (25-mm) annular clear space between pipe and sleeve for installing mechanical sleeve seals.
- F. Underground, Exterior-Wall and Floor Penetrations:
 - 1. Install steel pipe sleeves with integral waterstops. Size sleeves to allow for 1-inch (25-mm) annular clear space between raceway or cable and sleeve for installing sleeve seal system. Install sleeve during construction of floor or wall.
 - 2. Install steel pipe sleeves. Size sleeves to allow for 1-inch (25-mm) annular clear space between raceway or cable and sleeve for installing sleeve seal system. Grout sleeve into wall or floor opening.

3.2 INSTALLATION OF RECTANGULAR SLEEVES AND SLEEVE SEALS

- A. Install sleeves in existing walls without compromising structural integrity of walls. Do not cut structural elements without reinforcing the wall to maintain the designed weight bearing and wall stiffness.
- B. Install conduits and cable with no crossings within the sleeve.
- C. Fill opening around conduits and cables with expanding foam without leaving voids.
- D. Provide metal sheet covering at both wall surfaces and finish to match surrounding surfaces. Metal sheet must be same material as sleeve.

3.3 INSTALLATION OF SLEEVE SEAL SYSTEMS

- A. Install sleeve seal systems in sleeves in exterior concrete walls and slabs-on-grade at raceway entries into building.
- B. Install type and number of sealing elements recommended by manufacturer for raceway or cable material and size. Position raceway or cable in center of sleeve. Assemble mechanical sleeve seals and install in annular space between raceway or cable and sleeve. Tighten bolts against pressure plates that cause sealing elements to expand and make watertight seal.

END OF SECTION

SECTION 271524 -OPTICAL FIBER CABLES

PART 1 - GENERAL

1.1 DEFINITIONS

- A. Company Field Advisor - An individual meeting the requirements of 1 or 2 below:
 - 1. An employee of the company producing the optical fiber cables, who is certified in writing by the company to be technically qualified in design, installation, servicing and testing of the required products. Personnel involved solely in sales do not qualify.
 - 2. An individual employed by an organization, other than the company producing the optical fiber cables, certified in writing by the company producing the optical fiber cables that the individual is technically qualified in design, installation, servicing and testing of the required products and is capable to act as company field advisor in their behalf. Personnel involved solely in sales do not qualify.

1.2 SUBMITTALS

- A. Submittal Requirements:
 - 1. Submittals required by this section are to be submitted in packages as follows:
 - a. Submittals Package 1: Quality Control Submittals (Company Field Advisor information) specified below at the same time as a package.
 - 1) Submit Submittals Package 1 within 15 days of Contract award.
 - b. Submittals Package 2: Submit Product Data, Shop Drawings and Quality Control Submittals specified below.
 - 1) Submit Submittals Package 2 within 60 days of receipt of approval of Submittals Package 1.
 - c. Submittals Package 3: Submit Point-to-Point Wiring Diagrams specified below at the same time as a package.
 - 1) Submit Submittals Package 3 within 30 days of receipt of approval of Submittals Package 2.
 - d. Submittals Package 4: Submit Contract Closeout Submittals specified below at the same time as a package.
 - 1) Submit Submittals Package 4 within 14 days after completion of the System Acceptance Test, and its acceptance by the Director's Representative.
 - 2. It is the Contractor's responsibility to review and verify that all information required for each submittal package is included. Errors or omissions found by the Contractor are to be corrected prior to the Submittals Package submission. Incomplete Submittal Packages will be returned.
 - a. It is the Contractor's responsibility to verify that all submittal packages are complete, sub-contractor or contractor.

- b. The Company Field Advisor shall be responsible for reviewing each complete submittal package prior to its submission for review and approval.
 - 1) This review and sign-off by the Company Field Advisor shall include review of portions of the Submittal Package assembled and inserted into the Submittals Package by the Contractor (or Sub-Contractors).
 - 2) Errors or omissions found by the Company Field Advisor are to be corrected prior to the Submittals Package's resubmission for approval.

B. Quality Control Submittals (Submittals Package 1):

- 1. Company Field Advisor Data, shall include the following:
 - a. Name, business address and telephone number of Company Field Advisor secured for the required services.
 - b. Certified statement (letter) from the Company that produced the system listing the qualifications of the Company Field Advisor. The certification statements from the Companies shall include the following:
 - 1) Information stating that the Company Field Advisor is experienced in the engineering, design and installation of the equipment being proposed for use.
 - 2) Each product for which the Company gives authorization for the Company Field Advisor to oversee installation of and each service the Company Field Advisor can perform in their behalf, listed specifically for this project.
 - 3) The certification shall include statements from the person providing the certification, stating:
 - a) That they have read the requirements for the Company Field Advisor as written in this section of the Project Manual and certify that the proposed individual is capable of performing the duties of the Company Field Advisor in the Company's behalf.
 - b) That the person providing certification of the Company Field Advisor is authorized by their company to provide this certification in the Company's behalf.
 - c) Telephone number and email address of the person providing certification.
 - c. Listing of similar projects that the Company Field Advisor has worked on in the past 3 years.
 - d. Listing of training that the Company Field Advisor has received on the equipment being provided for this project.
 - 1) Provide copies of training certificates received for completion of training courses.

- C. Product Data (Submittals Package 2):
1. Bill of Materials: Provide a Bill of Materials identifying each system device or component proposed to be used for this system as listed in PART 2 PRODUCTS of this section.
 - a. The Bill of Materials shall provide the following information:
 - 1) Identify each item by name and model number.
 - 2) Indicate the page number(s) in the Submittal Package where information required for that item can be found.
 2. Catalog sheets, specifications, and installation instructions.
 - a. Catalog sheets shall be marked up by the Contractor to clearly identify exactly what item is being submitted for approval and marked up clearly indicating what options the item will have to meet of the contract requirements.
 3. Samples:
 - a. Two foot sample of each type of cable proposed for use.
 - b. One sample of each connector proposed for use.
 - c. One sample of each breakout and splitter kit proposed for use.
- D. Shop Drawings (Submittals Package 2):
1. Composite wiring and/or schematic diagrams of the complete system as proposed to be installed (standard diagrams will not be accepted), including interconnections surge protection, etc. required for a complete system.
 2. Scaled elevation drawings showing location and mounting of components in IT equipment racks.
 3. Include mapping for entire campus.
- E. Quality Control Submittals (Submittals Package 2):
1. Copy of license for installing Security Systems.
 - a. Also include copy of identification card issued by the Licensee for each person who will be performing the Work.
 2. Installers' Qualifications Data: Include a completed INSTALLER'S QUALIFICATION DATA FORM for each person who will be performing the work.
 - a. Forms must be completely filled out. Incomplete forms will be returned for correction with no action taken.
 - b. Forms must include all information required by this section of the Project Manual, showing that the experience criteria have been met.
 - c. Each form must be signed by the Installer. Forms without signatures shall not be approved.
 - 1) Submit forms with original Installer signatures to the Director's Representative.
 - 2) Work Plan:
 - a) Submit a Work Plan of how the work relating to this system shall be performed. Schedule shall include:
 - (1) A brief description of the work to be performed at each phase.
 - (2) Estimated time durations required to perform each phase of the work.
 - (3) Date that Pre-Installation Meeting will be held.

- (a) Pre-Installation Meeting should not be held more than 1 week prior to the start of the installation of any system component listed in PART 2 PRODUCTS unless an earlier time is agreed upon by the Director's Representative.
 - (4) Delivery dates of materials being provided under this Contract.
 - 3. Name, address and telephone number of nearest fully equipped service organization.
 - 4. Letter from the Company Field Advisor: Accompanying the Submittals Package there shall be a letter from the Company Field Advisor, stating that the Company Field Advisor has reviewed the Submittals Package for accuracy and completeness and approves all materials and installation methods included in the Submittals Package.
 - a. The accompanying letter shall also include statements as follows:
 - 1) State that the Company Field Advisor has reviewed the Bill of Materials for accuracy and completeness and approves all items listed on the Bill of Materials for use.
 - 2) State that the Company Field Advisor has reviewed the System Description for accuracy and completeness and approves the System Description for use.
 - 3) State that the Company Field Advisor has reviewed the Shop Drawings for accuracy and completeness and approves the Shop Drawings for use.
 - a) Letter shall list each drawing by designation Number and Drawing Title that the Company Field Advisor has reviewed and approved.
 - b. Submit letter with original Company Field Advisor signature to the Director's Representative within three days of submission of Submittal Package 2.
- F. Point-to-Point Wiring Diagrams (Submittals Package 3):
- 1. Submit complete Point-to-Point wiring diagrams of the entire system as it is to be installed.
 - a. Point-to-Point wiring diagrams shall show the following:
 - 1) All components in the system.
 - a) All cables and conductors between each component.
 - 2) Identify all cables and conductors and show all terminations and splices (identification shall correspond to markers to be installed on each conductor).
 - b. Point-to-Point wiring diagrams shall have an accompanying letter from the Company's Field Advisor stating that the Company's Field Advisor has reviewed the Point-to-Point wiring diagrams for accuracy and completeness and approves the Point-to-Point wiring diagrams for use.
 - 1) Letter shall list each drawing by designation Number and Drawing Title that the Company Field Advisor has reviewed and approved.

- 2) Submit letter with original Company Field Advisor signature to the Director's Representative within three days of submission of Submittal Package 3.

G. Contract Closeout Submittals (Submittal Package 4):

1. System acceptance test report.
2. Certificate: Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
3. Operation and Maintenance Data:
 - a. Deliver 2 paper copies and 2 removable storage media, covering the installed products, to the Director's Representative. Include:
 - 1) Operation and maintenance data for each product.
 - 2) Complete Point-to-Point wiring diagrams (As-Built Drawings) of entire system as installed. Identify all conductors and show all terminations and splices (identification shall correspond to markers installed on each conductor).
 - 3) Show all new fire stopping locations.
 - 4) Name, address, and telephone number of nearest fully equipped service organization.
4. Provide electronic copy of all database and system set up files, maps and employee database set up files including photo identification to provide a complete system restore.

1.3 QUALITY ASSURANCE

A. Equipment qualifications for products other than those specified:

1. At the time of submission provide written notice to the Director of the intent to propose an "or equal" for products other than those specified. Make the "or equal" submission in a timely manner to allow the Director sufficient time to review the proposed product, perform inspections and witness test demonstrations.
2. If products other than those specified are proposed for use furnish the name, address, and telephone numbers of at least 5 comparable installations that can prove the proposed products have performed satisfactorily for 3 years. Certify in writing that the owners of the 5 comparable installations will allow inspection of their installation by the Director's Representative and the Company Field Advisor.
 - a. Make arrangements with the owners of 2 installations (selected by the Director) for inspection of the installations by the Director's Representative. Also obtain the services of the Company Field Advisor for the proposed products to be present. Notify the Director a minimum of 3 weeks prior to the availability of the installations for the inspection and provide at least one alternative date for each inspection.
 - b. Only references from the actual owner or owner's representative (Security Supervisor, Maintenance Supervisor, etc.) will be accepted. References

from dealers, system installers or others, who are not the actual owners of the proposed products, are not acceptable.

- 1) Verify the accuracy of all references submitted prior to submission and certify in writing that the accuracy of the information has been confirmed.
 3. The product manufacturer shall have test facilities available that can demonstrate that the proposed products meet the contract requirements.
 - a. Make arrangements with the test facility for the Director's Representative to witness test demonstrations. Also obtain the services of the Company Field Advisor for the proposed product to be present at the test facility. Notify the Director a minimum of 3 weeks prior to the availability of the test facility and provide at least one alternative date for the testing.
 4. Provide written certification from the manufacturer that the proposed products are compatible for use with all other equipment proposed for use for this system and meet all contract requirements.
- B. Cable Installer's Qualifications: The persons installing the Work of this Section and their Supervisor shall be personally experienced in optical fiber cable systems and shall have been engaged in the installation of optical fiber cable systems for a minimum of 3 years.
1. Furnish to the Director the names and addresses of 5 similar projects that the foregoing people have worked on during the past 3 years.
- C. Company Field Advisor: Secure the services of the cable manufacturer's Company Field Advisor for a minimum of 20 working hours for the following:
1. Render advice regarding method of installing cable.
 2. Inspection of equipment for installing cable.
 3. Witness a representative amount of cable pulling.
 - a. Company Field Advisor must witness a minimum of 25 percent of the cable pulling.
 4. Witness installation of at least one splice and one termination by each cable splicer who will be doing the actual cable splicing.
 - a. If the splices or terminations are other than the cable manufacturer's, secure the services of the splice and termination manufacturer's Company Field Advisor to concurrently witness installation of the splices and terminations and also certify with an affidavit that the splices and terminations were installed in accordance with the splice and termination manufacturer's recommendations.
 5. Witness post installation test.
 6. Certify with an affidavit that the aforementioned particulars are satisfactory, and the cable is installed in accordance with cable manufacturer's recommendations.
- D. Cable Splicers' Qualifications: The persons installing the optical fiber splices and/or terminations, and their Supervisor, shall be personally experienced in splicing and terminating optical fiber cable systems and shall have been engaged in the installation of optical fiber cable systems for a minimum of 3 years.
1. Experience should be in the same types of splices and terminations proposed for this project and each project listed should be of similar size, as this project requires.
 2. Furnish to the Director the following information on 5 similar projects that the foregoing people have worked on during the past 3 years.

- a. Qualifications Data should include:
 - 1) Names and addresses of the similar projects.
 - 2) Types of splices and terminations performed on the similar projects.
 - 3) Number of each type of splices and terminations for each of the listed projects.
- E. Installer must be certified by the manufacturer and submit letter of proof from the manufacturer certified that the cabling being installed by the installer qualified for the 25-year warranty offered by the manufacturer against any defect or damage.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Cable Delivery:
 - 1. No cable over one year old when delivered to the site will be accepted.
 - 2. Keep ends of cables sealed at all times, except when making splices or terminations. Use methods approved by cable manufacturer.
 - 3. Include the following data durably marked on each reel:
 - a. Reel number.
 - b. Facility name and address.
 - c. Contractor's name.
 - d. Project title and number.
 - e. Date of manufacture.
 - f. Manufacturer's name.
 - g. Linear feet.
 - h. Location where cable is to be installed (i.e., Between manholes No. _____ and _____).
 - 4. Include the following factory test data for each cable, showing the following:
 - a. The reel number that the cable is on.
 - b. The cable manufacturer's specified optical parameters for the type of fiber installed in the cable.
 - c. Test readings for all fibers in the cable, showing that all fibers have been tested and that each fiber meets or exceeds the cable manufacturer's specified optical parameters for that fiber type.
- B. Cable Storage: Store cable at temperature recommended by cable manufacturer for optimum workability.

PART 2 PRODUCTS

2.1 NONCONDUCTIVE OPTICAL FIBER CABLES – 8.3 MICRON/125 MICRON (CORE/CLAD)

- A. Type SFO; Heavy duty dual jacketed indoor/outdoor fiber optic cable, Corning's FREEDM LST series, having:
 - 1. 12 optical fibers.

- a. 12 optical fibers (12 optical fibers per loose tube) 1 tube.
- b. Fiber diameter (core): 8.3 micron/125 micron.
- c. Fiber type: Single mode fiber.
- d. Maximum Fiber Attenuation:
 - 1) 0.4 dB/km (@1300nm).
 - 2) 0.4 dB/km(@1383nm).
 - 3) 0.3 dB/km(@1550nm).
- e. Minimum Fiber Bandwidth:
 - 1) 200 MHZ-km (@850nm).
 - 2) 500 MHZ-km (@1300nm).
2. Dielectric strength member: Epoxy/fiber glass rod or equal.
3. Inner Jacket: Flame and moisture resistant Polyvinyl chloride (PVC) or equal.
4. Outer strength member: Aramid yarn.
5. Outer Jacket: Black, Flame-Retardant, UV-Resistant resistant jacket.
6. Tensile Strength Elements: Layer 1 – Dielectric strength members.
 - a. Short-Term: 2700N (600 lbf).
 - b. Long-Term: 810N (180 lbf).
7. Tensile Strength Elements: Layer 2 – Dielectric strength members.
 - a. Short-Term: 2700N (600 lbf).
 - b. Long-Term: 810N (180 lbf).
8. Buffer Tub Color Coding: Blue & Orange.
9. Rip Cords: 1.
10. Compliance the following standards:
 - a. UL 1666.
 - b. National Electrical Code for type OFNR cable.

2.2 CABLE SPLITTER KITS

- A. Splitter Kits suitable for use with fiber optic cables with multiple fibers run per tube: Corning's SRP series fan-out kit, having, for each fiber:
 1. Inner buffer tube; provides individual tube per fiber.
 2. Outer heavy-duty protective jacket for sliding over individual fiber tube, having:
 - a. Aramid yarn inner strength member; provides additional strength to breakout jacket.

2.3 CONNECTORS

- A. General: Furnish LC type connectors and components, and use specific tools and methods as recommended by connector manufacturer to form complete connector system:
 1. Splices:
 - a. Body Material: Steel.
 - b. Ferrule Material: Ceramic.
 2. Terminations: To suit requirements of optical fiber transmitter and receiver.
 - a. Body Material: Steel.
 - b. Ferrule Material: Ceramic.
 3. Fusion Splice may be utilized.

- a. Fusion splices shall be performed in accordance with the cable manufacturer's recommendations in enclosures specifically manufactured for fusion splicing.
- b. Splice trays shall have a maximum capacity 12 splices per tray.

2.4 OPTICAL FIBER TERMINATION RACK (OFTR)

- A. Corning's CCH series rack mount optical fiber patch panel having:
 1. Suitability for mounting in equipment racks.
 2. Adapter plate with factory mounted LC type single mode feed-thru adapters; number of adapters as required.
 3. Lock with 2 keys.
 4. Refer to drawings for additional requirements and sizes.

2.5 CONNECTORIZED OPTICAL FIBER JUMPER CABLES

- A. Type JFO: Jumper cable by Radiant Communications Corp., having:
 1. One 8.3 micron/125 micron single-mode optical fiber.
 2. Kevlar or Aramid yarn strength member.
 3. PVC outer jacket.
 4. Cable length of 1 meter.
 5. Connectors: Factory installed, stainless steel bodies and ferrules.
 - a. One LC type connector, for connection to optical fiber termination rack (OFTR).
 - b. The other connector's type shall be as required, for connection to the optical fiber receiver or transmitter equipment.

2.6 ACCESSORIES

- A. Pulling Compounds: As recommended by cable manufacturer.
- B. Tags: Precision engrave letters and numbers with uniform margins, character size minimum 3/16 inches high.
 1. Phenolic: Two color laminated engraver's stock, 1/16 inch minimum thickness, machine engraved to expose white inner core color.
 2. Aluminum: Standard aluminum alloy plate stock, minimum .032 inches thick, engraved areas enamel filled or background enameled with natural aluminum engraved characters.
- C. Markers:
 1. Premarked self-adhesive: W.H. Brady Co.'s B940, Thomas and Betts Co.'s E-Z code WSL self-laminating, Ideal Industries' Mylar/Cloth wire markers, or Markwick Corp.'s permanent wire markers.
 2. Flexible sleeve markers: Plastic Extruded Parts Inc.'s FS series.
 3. Snap-on markers: Plastic Extruded Parts Inc.'s RS series.

PART 3 EXECUTION

3.1 PREPARATION

- A. Prior to installing cable, test the cable on the reels to verify that the cable's fibers are intact.
 - 1. At the contract site, perform a continuity test on each fiber in each cable to confirm light passes through each fiber.
 - 2. Remove defective cable from the Site.
 - 3. Provide written report for cable testing results.

3.2 INSTALLATION

- A. Installing Cables:
 - 1. Install cables in conduit/raceway system after conduit system is completed.
 - 2. Keep ends of cables sealed watertight at all times, except when making splices or terminations.
 - 3. No grease, oil, lubricant other than approved pulling compound may be used to facilitate the pulling-in of cables.
 - 4. Use pulling attachment connected to the cable strength member for pulling in cables. Seal the pulling attachment watertight.
 - 5. Incorporate into the pull line at the pulling attachment a tension-control swivel containing a shear pin designed to fail if the pre-determined maximum cable strain is applied.
 - 6. Pull cables with a dynamometer or strain gage incorporated into the pulling equipment. Do not pull cables unless the Director's Representative is present to observe readings on the dynamometer or strain gage during the time of actual pulling. Do not exceed cable manufacturer's recommended pulling strain.
 - 7. Provide 2 meters of slack in each cable, at the first and last manhole that the cable is running through.
 - 8. Provide 1 to 2 meters of slack in each cable, in the enclosures that the cable terminates or is spliced.
- B. Cable breakouts and splitter kits:
 - 1. Provide splitter kits on type SFO, cables.
- C. Splices and Terminations:
 - 1. Splice, where allowed, and terminate cable in accordance with manufacturer's approved installation instructions.
 - 2. No splicing of optical fiber cables will be allowed except:
 - a. Connectorized splices will be allowed in the OFSB to connect type DFO cables to types SFO, MFO or TFO cables.
 - b. Connectorized splice will be allowed in the OFTR to connect type JFO cables to types SFO, MFO or TFO cables.

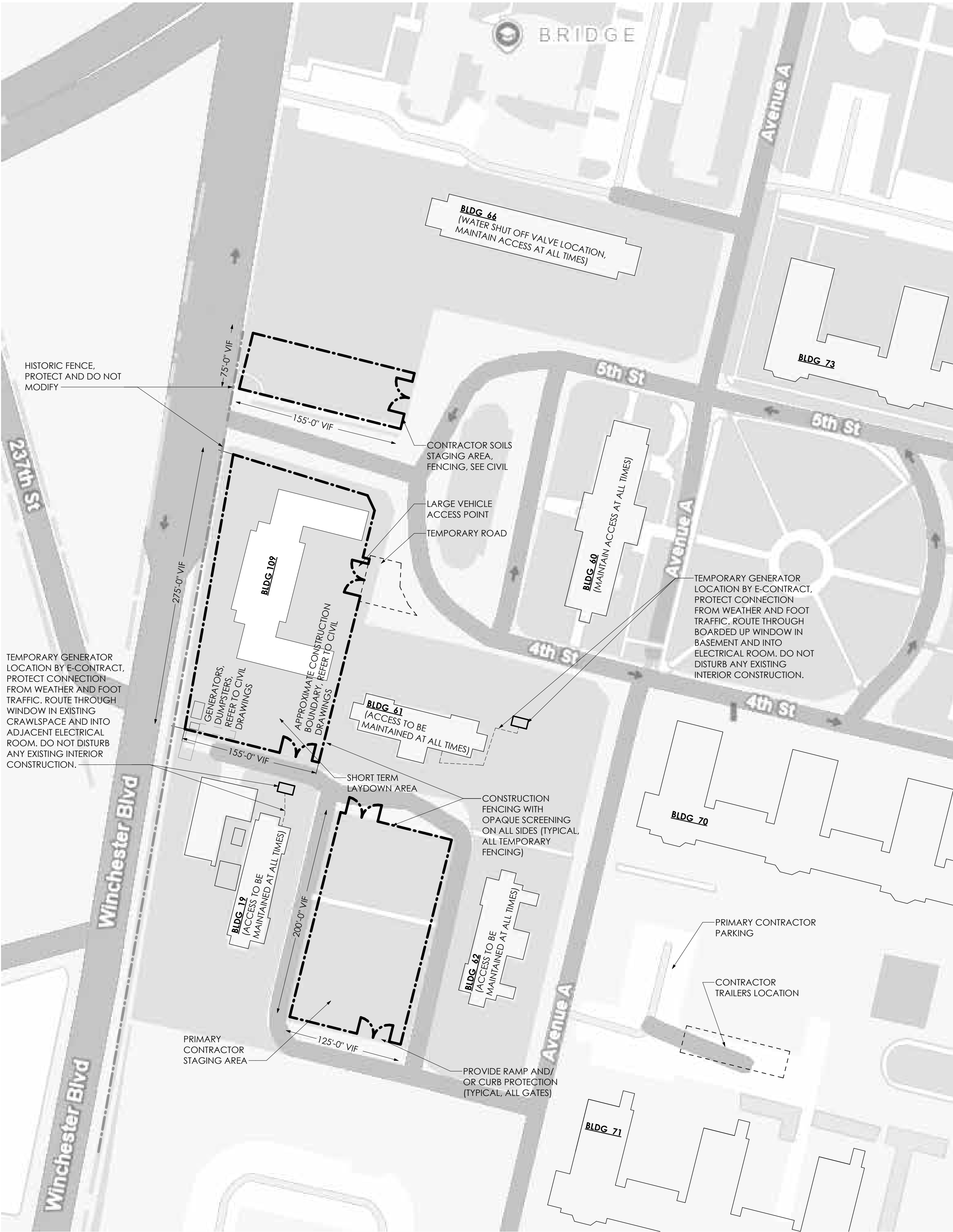
- D. Identification of Optical Fiber Cables: Identify cables in manholes, fence accessory stations, pullboxes and in equipment to which they connect:
1. Install tags on each cable indicating cable number, month and year installed, type of cable, and manufacturer. Attach tags to cables with non-ferrous metal wire or brass chain.
 2. Use markers to identify each optical fiber in equipment to which they connect.

3.3 FIELD QUALITY CONTROL

- A. Post Installation Test:
1. Perform test on each active and spare optical fiber after cable has been installed complete with connectors, and prior to placing cable into service.
 - a. Demonstrate that the amount of attenuation and connector losses through the fiber is no greater than 75 percent of the parameters allowed by the optical fiber transmitter/receiver manufacturer for wavelengths of 1310nm and 1550nm for single-mode fiber.
 - 1) Example: If the optical fiber transmitter/receiver manufacturer allows a 12db loss between the transmitter and receiver. The amount of loss that would be allowed across the fiber should not be more than 8db.
 - 2) If the amount of attenuation measured across a fiber is above 75 percent, then that fiber is to be tested to determine the cause of the high measurement, faulty connector, damaged fiber, etc., and corrective actions are to be made to correct the problem.
 2. Perform test in the presence of the Director's Representative.
 3. Supply equipment necessary for performing test.
 4. Submit written report of test results signed by Company Field Advisor and Director's Representative. Mount a copy of the final report in a plexiglass enclosed frame assembly adjacent to the security console.

END OF SECTION

STAGING PLAN



GENERAL PROJECT NOTES:

A. REFER TO EROSION AND SEDIMENT CONTROL PLAN FOR LOCATIONS OF TEMPORARY FENCING, PAVEMENT AND GRASS AREAS ADJACENT TO BUILDINGS AND FOR CONTRACTOR'S STAGING AREA.

B. THERE IS A HISTORICAL FENCE AT WINCHESTER BLVD SIDE OF SITE. THIS FENCE MAY MUST BE PROTECTED AT ALL TIMES AND SHALL NOT BE MODIFIED.

C. COORDINATE CONTRACTOR ACCESS, PARKING, DELIVERY AND STORAGE WITH DIRECTOR'S REPRESENTATIVE. VERIFY PARKING AREA IN FIELD WITH DIRECTOR'S REPRESENTATIVE AND FACILITY REPRESENTATIVE.

D. COORDINATE LOCATION OF ROLL OFF STYLE FULLY ENCLOSED AND LOCKABLE SHIPPING CONTAINER(S) IN THE CONTRACTOR'S STAGING AREA DESIGNATED ON SITE PLAN, WITH DIRECTOR'S REPRESENTATIVE.

E. MOVE MATERIALS AND EQUIPMENT TO CONTRACTOR'S STAGING AREA WHEN WORK IS NOT IN PROGRESS (AT THE END OF EACH WORK DAY).

F. BUILDING INFORMATION OBTAINED FOR THE DESIGN OF THIS PROJECT IS BASED UPON AVAILABLE CONSTRUCTION DOCUMENTS AND VISUAL INSPECTION OF THE WORK AREA. FIELD VERIFY AND EXISTING CONDITIONS PRIOR TO SUBMITTING SHOP DRAWINGS AND ORDERING MATERIALS. NOTIFY DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES.

G. IN COORDINATION WITH DIRECTOR'S REPRESENTATIVE, REPAIR ANY DAMAGE TO EXISTING CONSTRUCTION AND SITE WORK CAUSED BY THE WORK OF THIS PROJECT (TYPICAL). REPAIRS TO SURFACES.

H. REFER TO STAGING PLAN FOR CONTRACTOR PARKING.

I. REFER TO STAGING PLAN FOR VEHICLE ACCESS TO SITE.

J. PERFORM DELIVERIES AND REMOVALS AT TIMES AS COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE. COORDINATE EXACT ROUTE WITH DIRECTOR'S REPRESENTATIVE.

K. IF ON-SITE STORAGE IS REQUIRED, COORDINATE WITH DIRECTOR'S REPRESENTATIVE TO DETERMINE IF ON-SITE STORAGE AREAS ARE AVAILABLE FOR USE.

L. SECURE AND PROTECT ANY STAGING/STORAGE AREAS FROM THE PUBLIC. CORRECT ANY DAMAGE CAUSED, TO THE SATISFACTION OF DIRECTOR'S REPRESENTATIVE.

M. CLEAN UP WORK AREAS EXPOSED TO THE PUBLIC OR STAFF ON A DAILY BASIS.

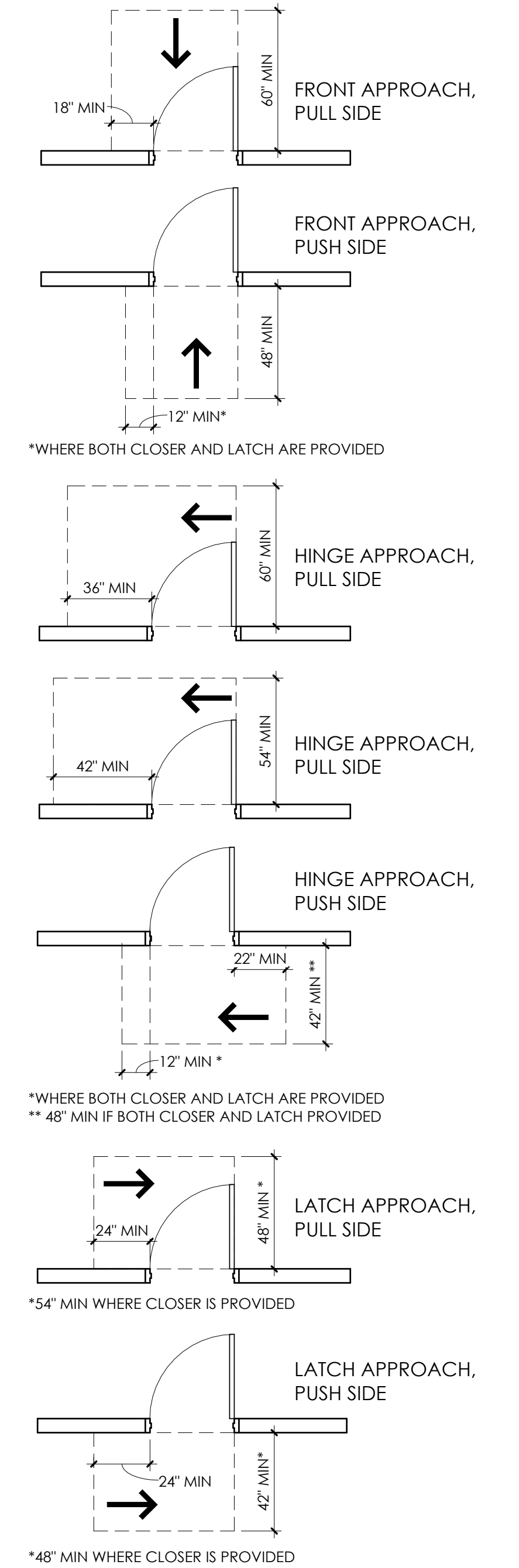
N. DELIVERIES, LOADING, UNLOADING AND STAGING SHALL NOT OBSTRUCT ANY FIRE LANES AND EGRESS ROUTES ON SITE.

PRIOR TO ONSITE USE, REPRESENTATIVE.

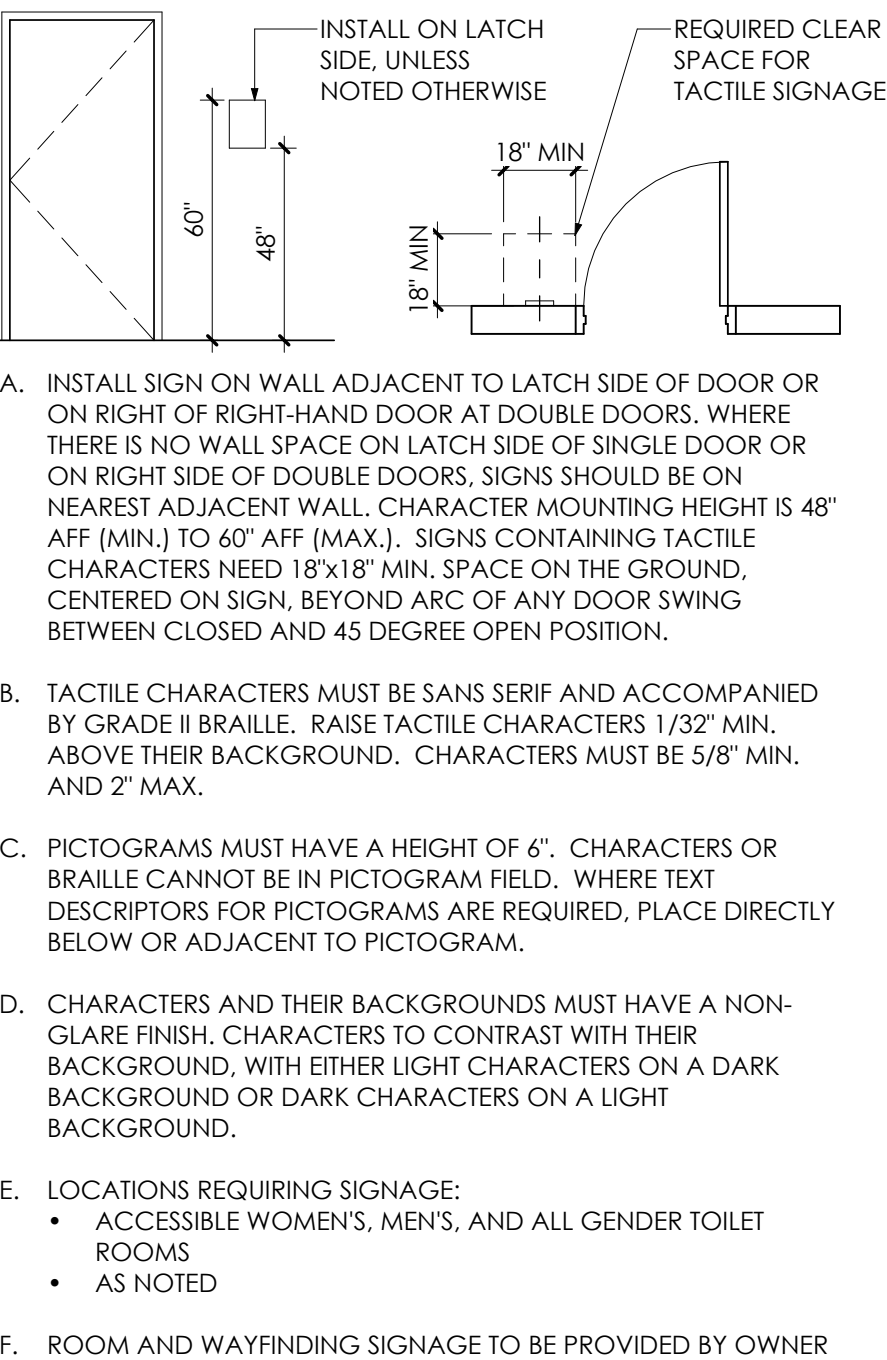
DIMENSIONS, QUANTITIES

MATCH ADJACENT

ACCESSIBILITY REQUIREMENTS



SIGNAGE REQUIREMENTS



DRAWING ANNOTATION LEGEND

ELEVATION NUMBER(S) SHEET NUMBER	EXTERIOR ELEVATION MARK	CENTERLINE
ELEVATION NUMBER(S) SHEET NUMBER	INTERIOR ELEVATION MARK	ELEVATION MARK
SECTION NUMBER(S) SHEET NUMBER	BUILDING SECTION MARK	SPOT ELEVATION MARK
SECTION NUMBER SHEET NUMBER	WALL SECTION MARK	MILLWORK TAG
SECTION NUMBER DETAIL NUMBER	SECTION DETAIL MARK	MATCH LINE
REFERENCE LABEL DETAIL NUMBER SHEET NUMBER	LARGE SCALE BLOWUP OF PLAN OR DETAIL	REVISION CLOUD AND MARK
WALL TYPE	WALL TAG	
WALL TYPE	CURTAIN WALL (CW) & STOREFRONT (SF) TAG	
DENOTES EXTERIOR OPENING NUMBERED SEQUENTIALLY	EXTERIOR OPENING TAG WINDOW (W)	
ROOM NAME ROOM NUMBER ROOM AREA	ROOM TAG	
GRID REFERENCE GRID LINE	NEW COLUMN GRID AND MARK	
	DRAWING KEYNOTE	
ROOM NUMBER SERVED BY DOOR SUFFIX ADDED IF MULTIPLE DOORS SERVE SAME ROOM	DOOR TAG	
PROJECT NORTH	NORTH ARROW	

ARCHITECTURAL SYMBOLS

	CONCRETE
	STONE
	GWB
	RIGID INSULATION
	MASONRY - BRICK
	COMPACTED FILL
	PLYWOOD
	TILE (SECTION)
	WOOD
	INSULATION
	CARPET TILE (SECTION)
	RESILIENT FLOORING (SECTION)
	SPORTS FLOORING (SECTION)
	PORCELAIN TILE (SECTION)
	WOOD (CONTINUOUS)
	WOOD (DISCONTINUOUS)

SIGNAGE EXAMPLES



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REGISTERED ARCHITECT
NEW YORK STATE
REGISTRATION EXP. 12/31/2026

CONTRACT: CONSTRUCTION

TITLE: PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER

LOCATION: 80-45 WINCHESTER BLVD QUEENS VILLAGE, NY

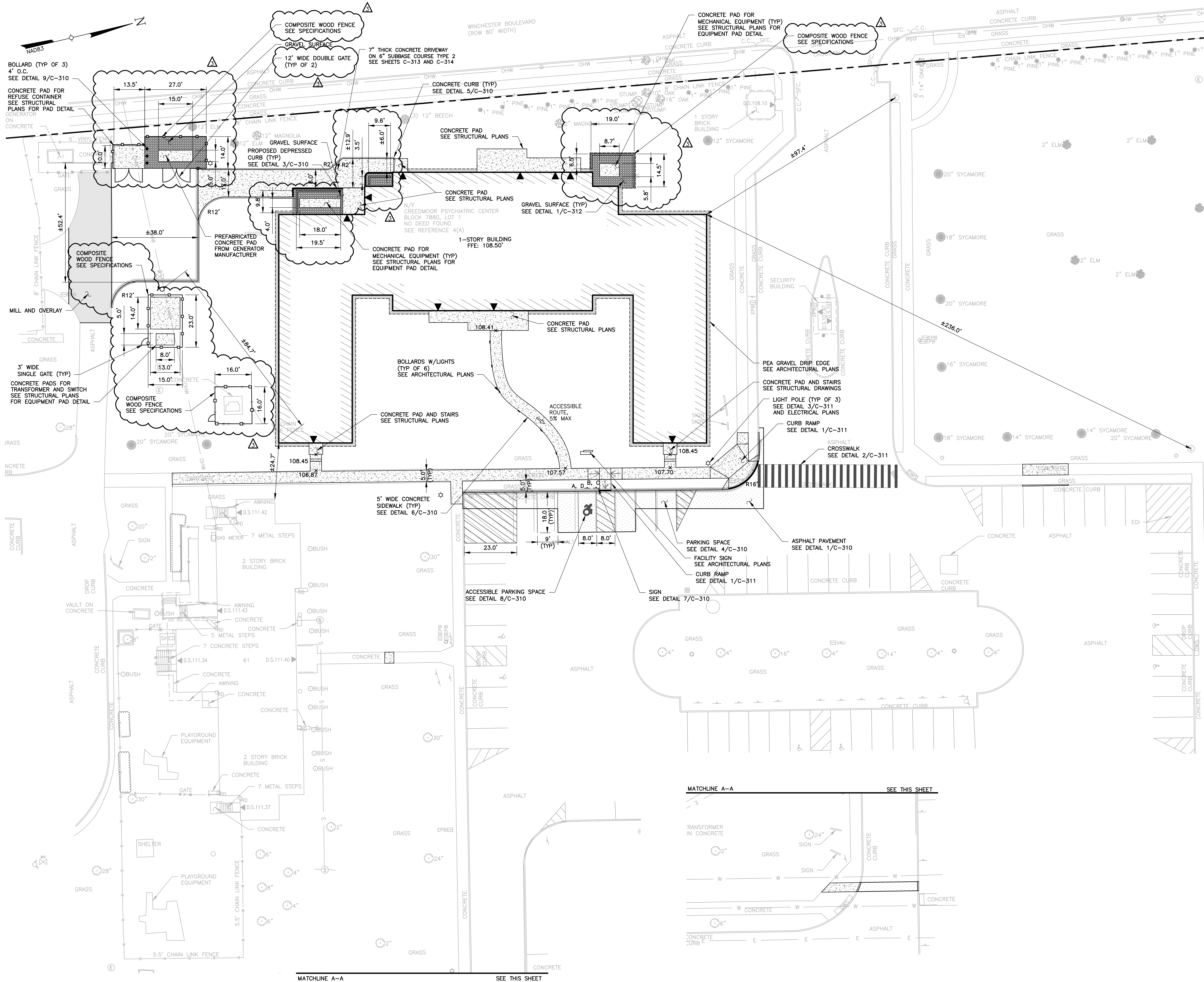
CLIENT: OFFICE OF MENTAL HEALTH

3	06/12/2026	ADDENDUM 3
10/17/2025		BID DOCUMENTS
MARK	DATE	DESCRIPTION

PROJECT NUMBER: 47688-C
DESIGNED BY: KCG | JDD
DRAWN BY: KCG
FIELD CHECK:
APPROVED:
SHEET TITLE:

STAGING PLAN AND LEGENDS

DRAWING NUMBER: G-001



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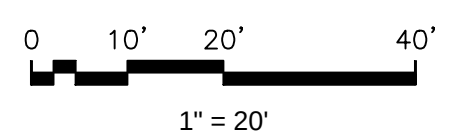
TECTONIC WORK ORDER NO.: 12546.01

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NEW YORK STATE Office of General Services

CONSULTANT

CERTIFICATE OF AUTHORIZATION: 1127432

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LAKHANI & JORDAN ENGINEERS, P.C.

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Tectonic
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STATE OF NEW YORK
LOUIS JOSEPH GREGG
098823
REGISTERED PROFESSIONAL ENGINEER

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CONTRACT: CONSTRUCTION

TITLE: PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER

LOCATION: 80-45 WINCHESTER BLVD QUEENS, NY

CLIENT: OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION
3	06/12/2026	ADDENDUM #3
	10/17/2025	BID DOCUMENTS

PROJECT NUMBER: 47688-C

DESIGNED BY: ZK

DRAWN BY: ECM

FIELD CHECK:

APPROVED:

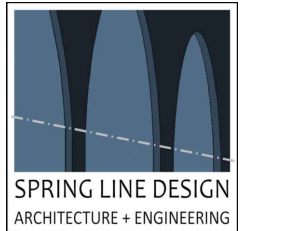
SHEET TITLE: SITE PLAN

DRAWING NUMBER: C-102

SHEET 8 OF 149

**Office of
General Services**

CERTIFICATE OF AUTHORIZATION: 1127432



tectonic Engineering Consultants, Geologists & Land Surveyors,D.P.C.



CONTRACT:

CLIENT: OFFICE OF MENTAL HEALTH



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0 10' 20' 40'

1" = 20'

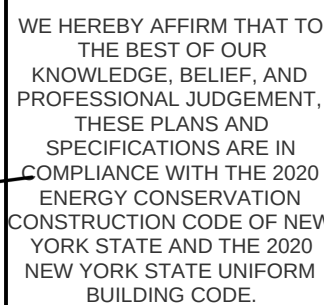
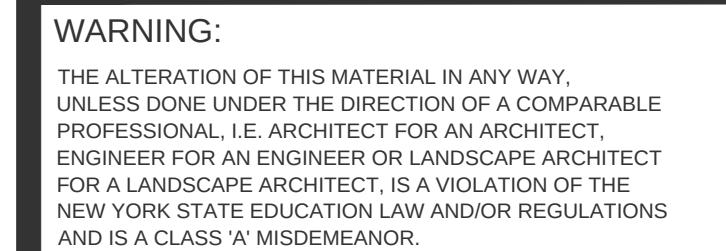
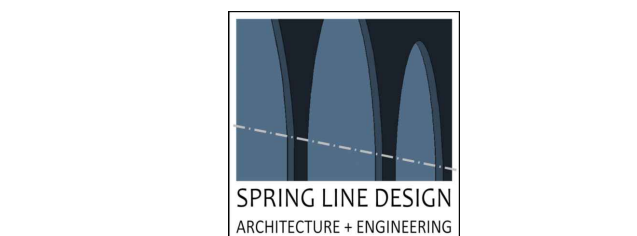


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C-31

SCALE: NTS



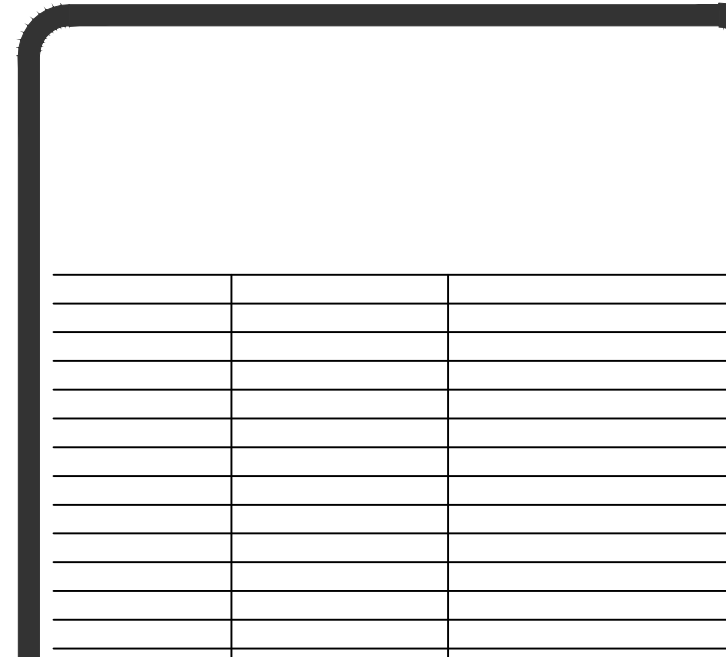
CERTIFICATE OF AUTHORIZATION: 1127432



TITLE:
PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER

LOCATION: 80-45 WINCHESTER BLVD
QUEENS, NY

CLIENT: OFFICE OF MENTAL HEALTH



3	09/12/2026	ADDENDUM #3
	10/17/2025	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	47688-C	
DESIGNED BY:	ZK	
DRAWN BY:	ECM	
FIELD CHECK:		
APPROVED:		

SHEET TITLE:

SITE DETAILS

DRAWING NUMBER:

C-312

SHEET 18 OF 149

Jun 12, 2026 - 9:40am
F:\Mountainville\Civ\12546\12546-01 OMH Creedmoor\Dwg\MT-CV-1254601-310-DETAILS.dwg

36x24 PLOT SHEET

GENERAL NOTES

- A. DIMENSIONS ARE TO FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.

B. DO NOT SCALE DRAWINGS OR DETAILS.

C. COORDINATE WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES.

D. PROTECT CONDITIONS AND MATERIALS WITHIN PROPOSED CONSTRUCTION AREA, DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL OR REMOVAL TASKS.
- E. PERFORM CUTTING, PATCHING, AND REPAIRING AS REQUIRED TO PERFORM WORK INDICATED ON DRAWINGS.

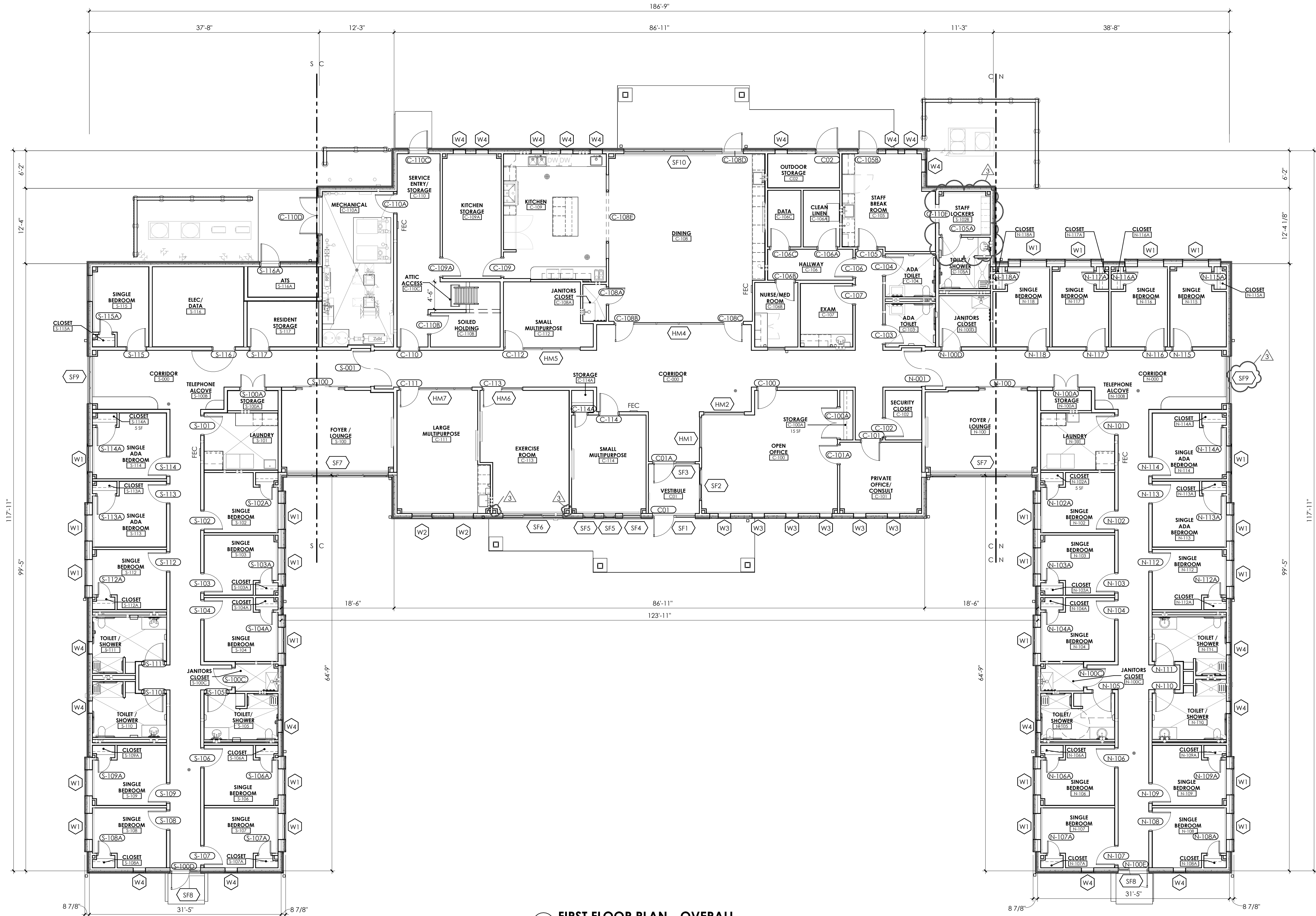
F. REFER TO A-001 FOR WALL TYPES INFORMATION.

G. SEE CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE.

H. DOORS ARE LOCATED 6 INCHES FROM WALL UNLESS OTHERWISE NOTED.

I. REFER TO A-003 FOR TYPICAL MOUNTING INFORMATION.

DRAWING NOTES



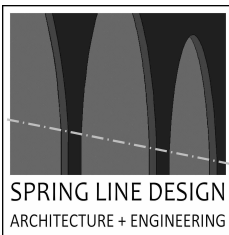
1 FIRST FLOOR PLAN - OVERALL
1/8" = 1'-0"

CONSULTANT:
CERTIFICATE OF AUTHORIZATION: 1127432



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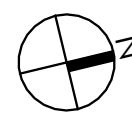
REGISTRATION EXP. 12/31/2026

CONTRACT: CONSTRUCTION

TITLE: PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER

LOCATION: 80-45 WINCHESTER BLVD QUEENS VILLAGE, NY

CLIENT: OFFICE OF MENTAL HEALTH



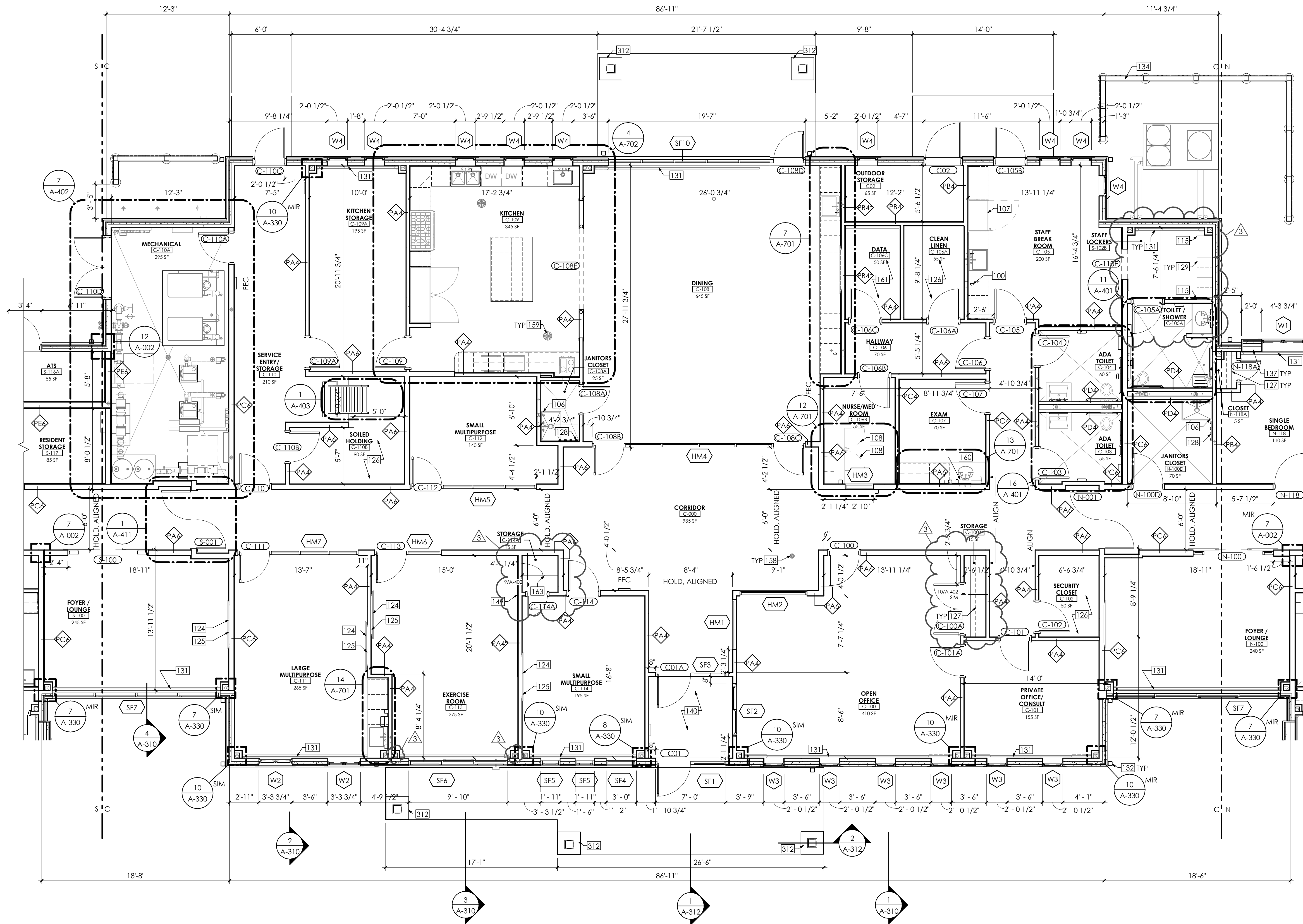
3	06/12/2026	ADDENDUM 3
10/17/2025		BID DOCUMENTS
DATE		DESCRIPTION
PROJECT NUMBER:	47688-C	
DESIGNED BY:	KCG JDD	
DRAWN BY:	LH KCG CMW	
FIELD CHECK:		
APPROVED:		
SHEET TITLE:		

FIRST FLOOR PLAN - OVERALL

DRAWING NUMBER:

A-100

SHEET OF

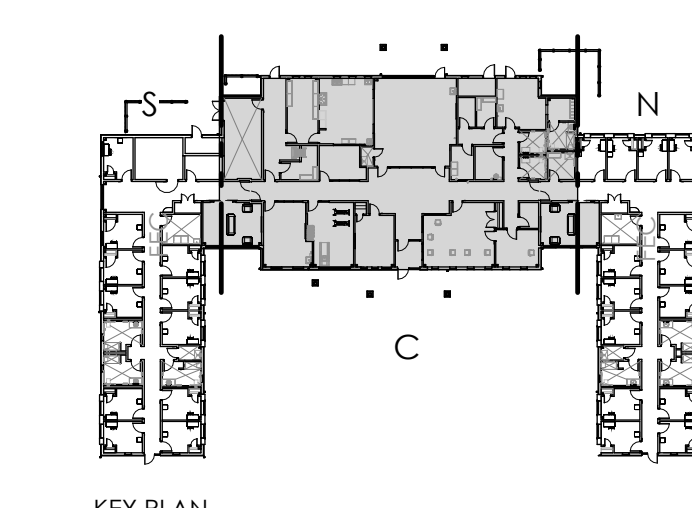


GENERAL NOTES

- DIMENSIONS ARE TO FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS OR DETAILS.
- COORDINATE WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES.
- PROTECT CONDITIONS AND MATERIALS WITHIN PROPOSED CONSTRUCTION AREA. DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL OR REMOVAL TASKS.
- PERFORM CUTTING, PATCHING, AND REPAIRING AS REQUIRED TO PERFORM WORK INDICATED ON DRAWINGS.
- REFER TO A-001 FOR WALL TYPES INFORMATION.
- SEE CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE.
- DOORS ARE LOCATED 6 INCHES FROM WALL UNLESS OTHERWISE NOTED.
- REFER TO A-003 FOR TYPICAL MOUNTING INFORMATION.
- CONTRACTOR TO ANCHOR ALL EXTERIOR FURNITURE TO CONCRETE SLAB. ARCHITECT TO REVIEW AND CONFIRM ANCHORING DETAIL BASED ON FINAL FURNITURE SELECTION AND MANUFACTURERS RECOMMENDATIONS.

DRAWING NOTES

- PROVIDE BOTTLE FILLER. REFER TO PLUMBING AND ELECTRICAL DRAWINGS.
- PROVIDE MOP SINK. REFER TO PLUMBING DRAWINGS.
- 36 INCH COMBINATION REFRIGERATOR AND FREEZER UNIT. OWNER PROVIDED (NOT IN SCOPE). REFER TO PLUMBING AND ELECTRICAL DRAWINGS.
- UNDERCOUNTER REFRIGERATOR. OWNER PROVIDED (NOT IN SCOPE). REFER TO PLUMBING AND ELECTRICAL DRAWINGS.
- FILLER PANEL. COORDINATE WITH SHOP DRAWINGS.
- WALL MOUNTED 55 INCH TV. INFORMATION TECHNOLOGY SERVICES PROVIDED; CONTRACTOR TO PROVIDE BLOCKING. COORDINATE WITH ELECTRICAL DRAWINGS.
- WALL MOUNTED TV ENCLOSURE. OWNER PROVIDED (NOT IN SCOPE).
- SHELVING. OWNER FURNISHED OWNER INSTALLED. PROVIDE HORIZONTAL BLOCKING @ 12" O.C. VERTICALLY ON ALL WALLS OF CLOSET.
- SHELF AND CLOTHING ROD. PROVIDE BLOCKING. CUT EACH SHELF TO FIT AROUND CHASE.
- WALL MOUNTED MOP HOLDER. OWNER FURNISHED OWNER INSTALLED. PROVIDE BLOCKING.
- LOCKERS. OWNER FURNISHED OWNER INSTALLED. PROVIDE BLOCKING.
- STEEL RADIANT CONVECTIVE BASEBOARD WITH INTEGRAL COVER. REFER TO MECHANICAL DRAWINGS AND PANEL RADIATOR SCHEDULE FOR LOCATIONS, LENGTHS, STYLES, AND ACCESSORIES.
- DOWNSPOUT. REFER TO CIVIL DRAWINGS.
- COMPOSITE WOOD EQUIPMENT SCREEN WALL.
- THICKENED WALL. SEE DETAILS.
- SLOPE SLAB TO DRAIN. REFER TO STRUCTURAL DRAWINGS.
- PROVIDE WALL MOUNTED MIRROR. REFER TO ELEVATION ON A-610.
- 4 INCH CLEANOUT DRAIN PIPE. REFER TO PLUMBING DRAWINGS.
- FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
- PROVIDE SINK MOUNTED EYE WASH STATION. REFER TO PLUMBING DRAWINGS.
- PROVIDE FIRE RETARDANT TREATED PLYWOOD MOUNTED HORIZONTALLY ON ALL WALLS. PREP FOR SERVER RACK AND PATCH PANEL INSTALLATION.
- SHELF. PROVIDE BLOCKING.
- THIN BRICK VENEER COLUMN BASE.



KEY PLAN

1 FIRST FLOOR PLAN - AREA C

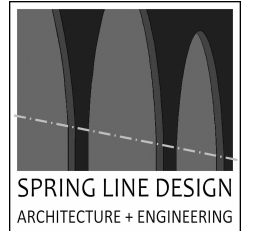
3/16" = 1'-0"

CONSULTANT:
CERTIFICATE OF AUTHORIZATION: 1127432



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CONTRACT: CONSTRUCTION

TITLE: PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER

LOCATION: 80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT: OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION
3	06/12/2026	ADDENDUM 3 BID DOCUMENTS
PROJECT NUMBER:	47688-C	
DESIGNED BY:	JDD	
DRAWN BY:	KCG CMW	
FIELD CHECK:		
APPROVED:		
SHEET TITLE:	FIRST FLOOR PLAN - AREA C	

FIRST FLOOR PLAN - AREA C

DRAWING NUMBER:
A-101

SHEET OF

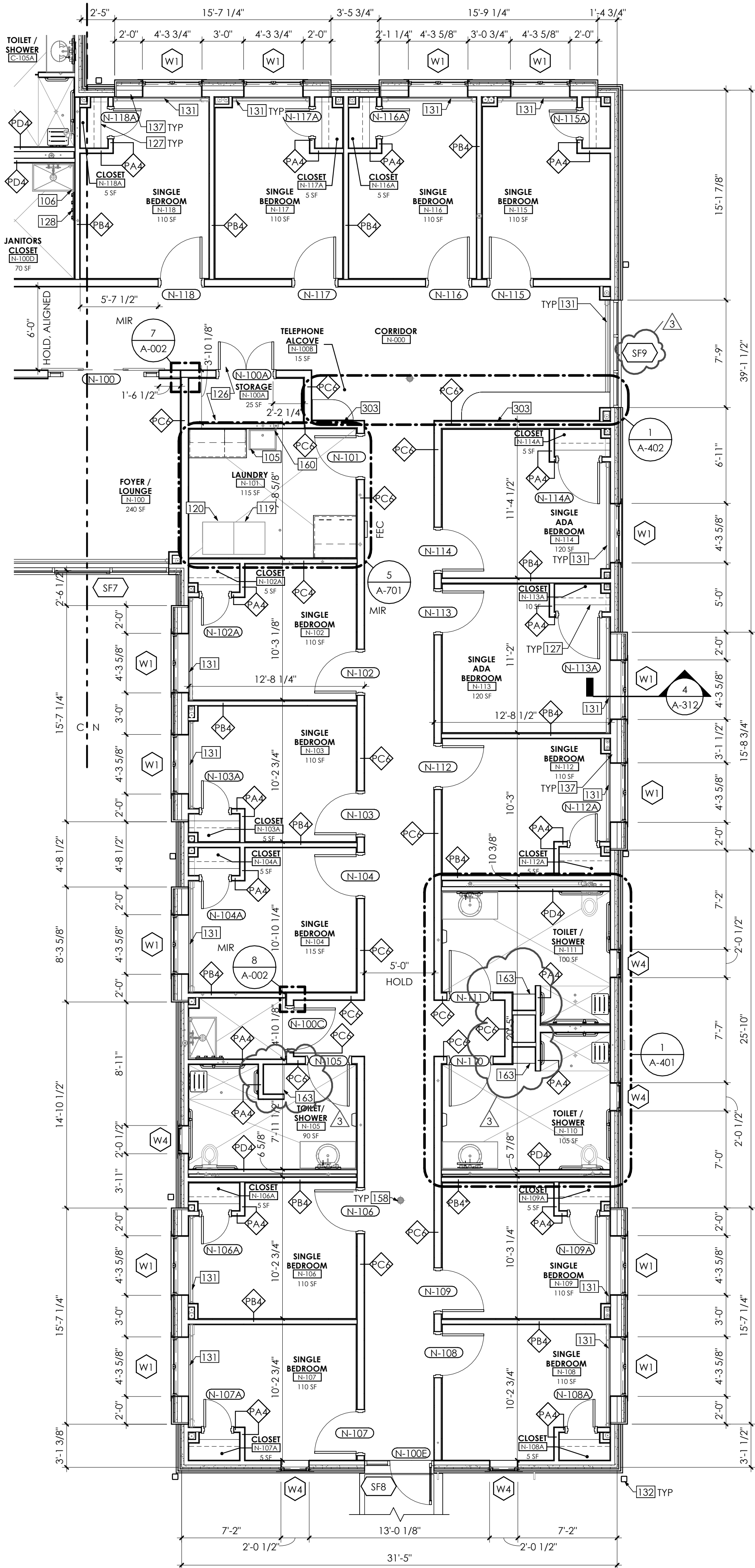


KEY PLAN

KEY PLAN

SHEFF

OF

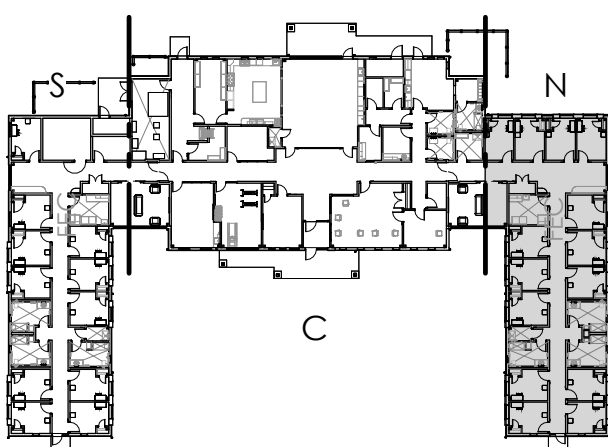


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DRAWING NOTES

- PROVIDE UTILITY SINK, REFER TO PLUMBING DRAWINGS
- PROVIDE MOP SINK, REFER TO PLUMBING DRAWINGS
- WASHER, OWNER PROVIDED (NOT IN SCOPE), REFER TO PLUMBING AND ELECTRICAL DRAWINGS
- DRYER, OWNER PROVIDED (NOT IN SCOPE), REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS
- SHELVING, OWNER FURNISHED OWNER INSTALLED, PROVIDE HORIZONTAL BLOCKING @ 12" O.C. VERTICALLY ON ALL WALLS OF CLOSET
- SHELF AND CLOTHING ROD, PROVIDE BLOCKING, CUT EACH SHELF TO FIT AROUND CHASE
- WALL MOUNTED MOP HOLDER, OWNER FURNISHED OWNER INSTALLED, PROVIDE BLOCKING
- STEEL RADIATOR COVER, PROVIDE BASEBOARD WITH INTERNAL COVER, REFER TO MECHANICAL DRAWINGS AND PANEL RADIATOR SCHEDULE FOR LOCATIONS, LENGTHS, STYLES, AND ACCESSORIES
- DOWNSPOUT, REFER TO CIVIL DRAWINGS
- THICKENED WALL, SEE DETAILS
- 4 INCH CLEANOUT DRAIN PIPE, REFER TO PLUMBING DRAWINGS
- PROVIDE SINK MOUNTED EYE WASH STATION, REFER TO PLUMBING DRAWINGS
- SHELF, PROVIDE BLOCKING
- WC1, REFER TO BASIS OF DESIGN. PROVIDE CUSTOM WALL COVERING GRAPHIC AND PROVIDE LEVEL 5 WALL FINISH PRIOR TO INSTALLATION; VERIFY WITH DIRECTOR'S REPRESENTATIVE FOR FINAL SELECTION AND PLACEMENT OF GRAPHIC



KEY PLAN

1 FIRST FLOOR PLAN - AREA N

3/16" = 1'-0"

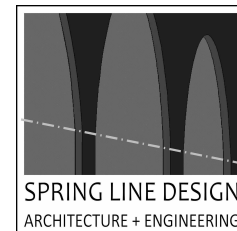
CONSULTANT:

CERTIFICATE OF AUTHORIZATION: 1127432



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REGISTRATION EXP. 12/31/2026

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CONTRACT:

CONSTRUCTION

TITLE:

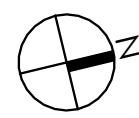
PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER

LOCATION:

80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT:

OFFICE OF MENTAL HEALTH



MARK	DATE	DESCRIPTION
3	06/12/2026	ADDENDUM 3 BID DOCUMENTS

PROJECT NUMBER: 47688-C

DESIGNED BY:

JDD

DRAWN BY:

KCG | CMW

FIELD CHECK:

APPROVED:

SHEET TITLE:

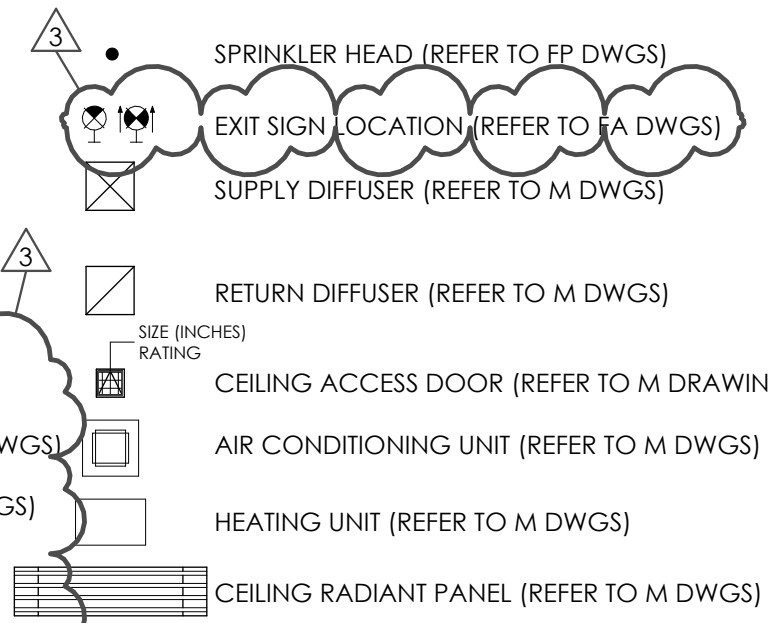
FIRST FLOOR PLAN -
AREA N

DRAWING NUMBER:

A-103

SHEET OF

GENERAL NOTES RCP

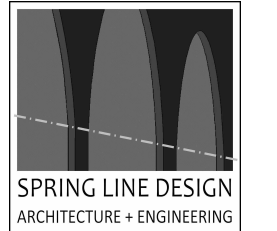


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**Office of
General Services**

A r



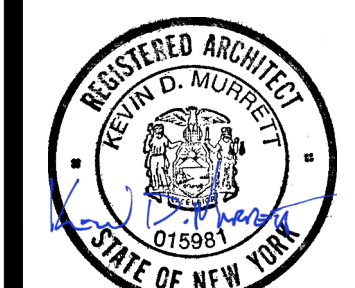
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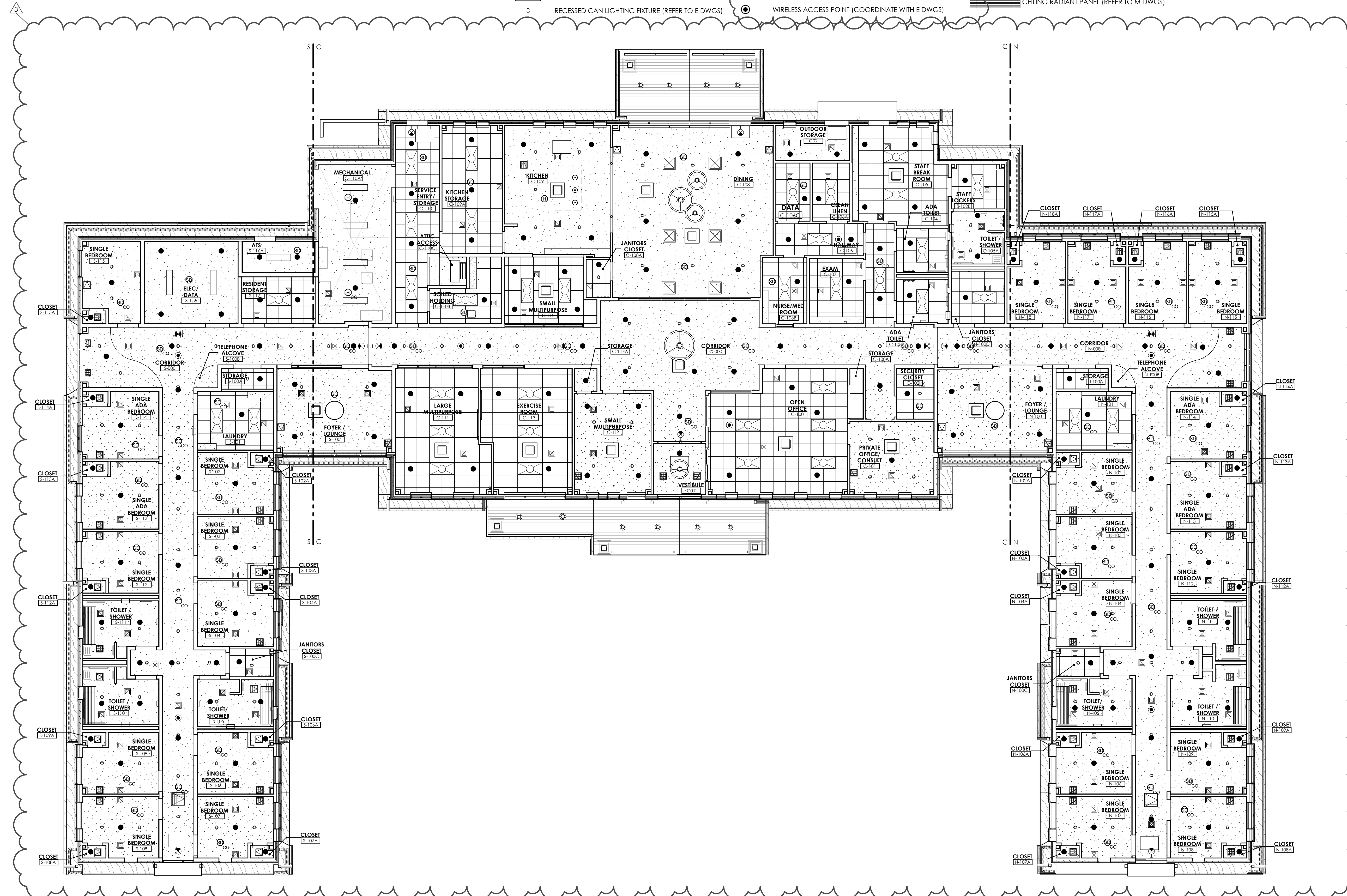


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TITLE: **PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER**

LOCATION: 80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT: OFFICE OF MENTAL HEALTH



1 REFLECTED CEILING PLAN - OVERALL
1/8" = 1'-0"

[illegible]

REFLECTED CEILING
PLAN - OVERALL

DRAWING NUMBER: A-110

SHEET OF

CEILING TYPE
 CEILING HEIGHT, ABOVE FINISH FLOOR

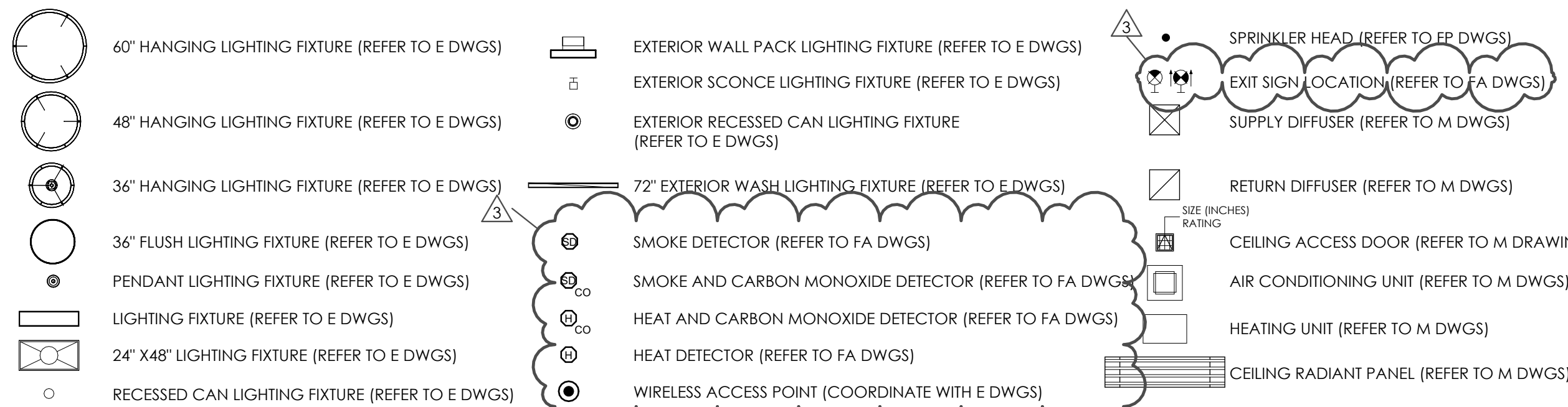
2X2 ACT CEILING GRID, REFER TO CEILING TYPES

GWB CEILING, REFER TO CEILING TYPES

FIBER CEMENT PERFORATED SOFFIT PANEL

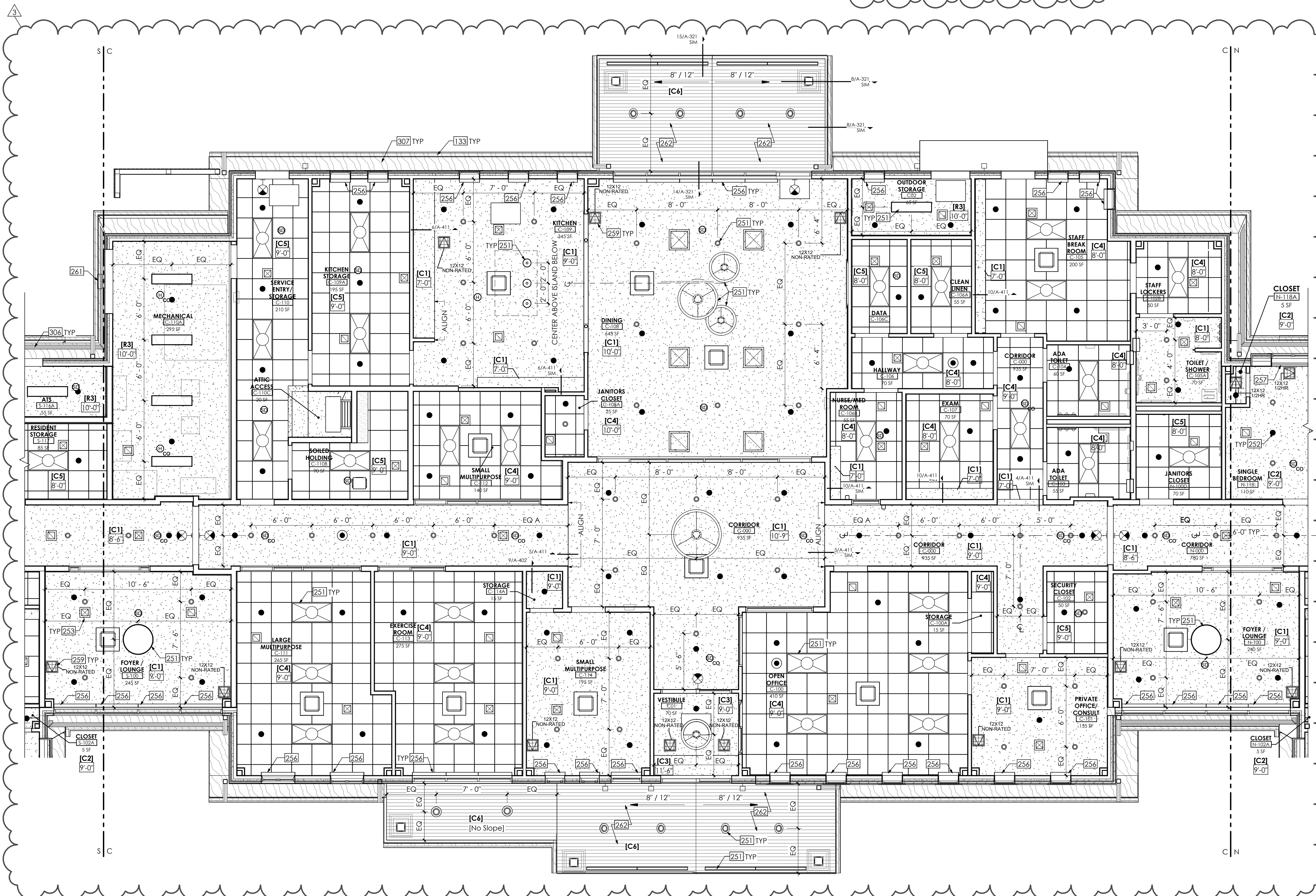
HORIZONTAL ALUMINUM WOOD-LOOK SOFFIT

PERFORATED SOFFIT

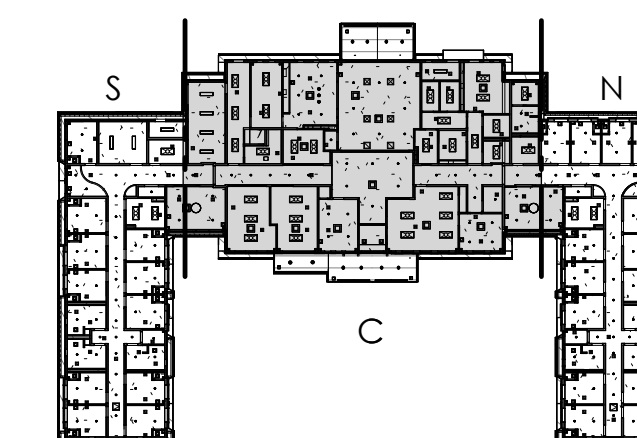


- A. REFER TO SHEET G-001 FOR GENERAL NOTES.
- B. MEP DEVICES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MEP DRAWINGS FOR ACTUAL QUANTITIES, STYLE AND MODEL.
- C. CENTER CEILING-INSTALLED DEVICES WITHIN CEILING TILE UNLESS NOTED OTHERWISE.
- D. CENTER CEILING SYSTEM IN EACH ROOM AS SHOWN UNLESS NOTED OTHERWISE.
- E. COORDINATE EXACT LOCATION OF ACCESS PANELS W/ MEP DRAWINGS.

133 GUTTER
251 LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
252 SPRINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
253 DEFUSER, REFER TO MECHANICAL DRAWINGS
256 ROLLER SHADE, OPOD
257 BUNDS, OPOD
258 ACCESS HATCH, COORDINATE LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS
261 EXTERIOR WALL PACE LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
262 SLOPED CEILING, REFER TO SECTION DETAILS
306 PERFORATED FIBER CEMENT SOFFIT BOARD
307 FIBER CEMENT SOFFIT BOARD



KEY PLAN

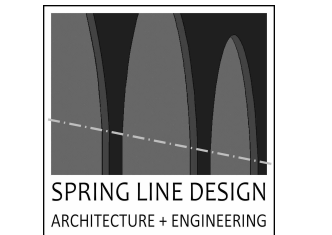


CONSULTANT:

CERTIFICATE OF AUTHORIZATION: 1127432



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TITLE: **PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER**

LOCATION:
80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT: OFFICE OF MENTAL HEALTH

[illegible]

PROJECT NUMBER:	47688-C
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DESIGNED BY:	KCG JDC
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FIELD CHECK:	
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APPROVED:	
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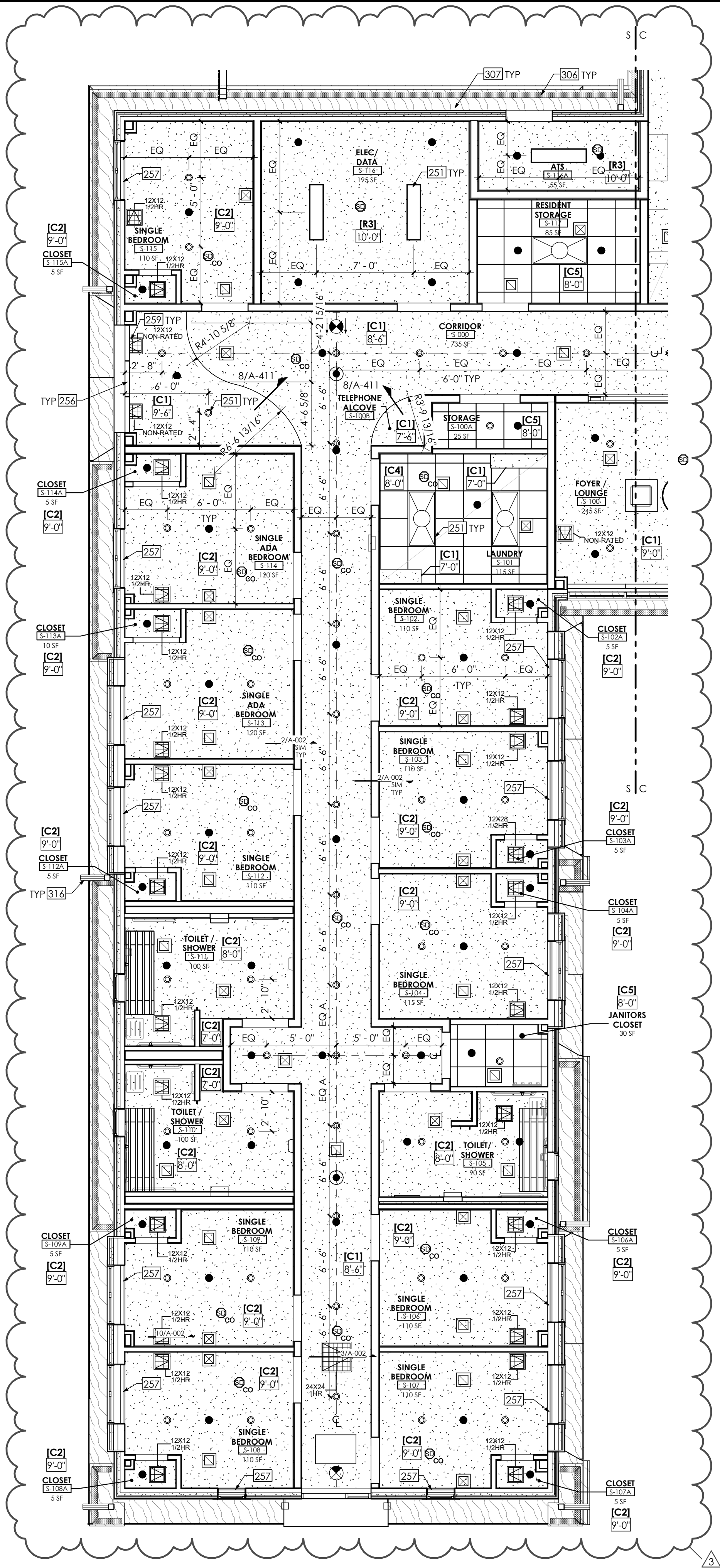
SHEET TITLE:

REFLECTED CEILING
PLAN - AREA C

DRAWING NUMBER: A-111

SHEET OF

1 REFLECTED CEILING PLAN - AREA C
3/16" = 1'-0"



GENERAL NOTES RCP

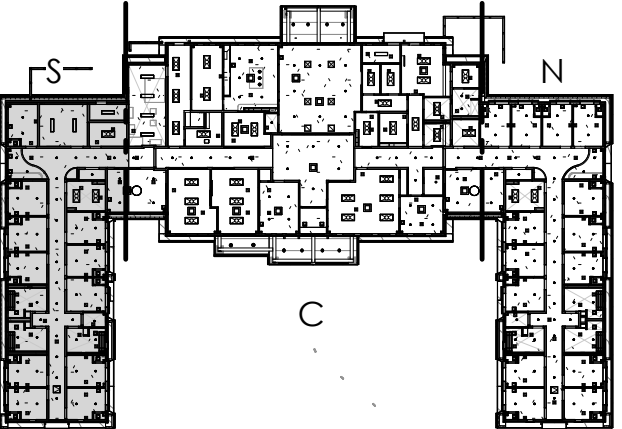
- A. REFER TO SHEET G-001 FOR GENERAL NOTES.
- B. MEP DEVICES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MEP DRAWINGS FOR ACTUAL QUANTITIES, STYLE AND MODEL.
- C. CENTER CEILING INSTALLED DEVICES WITHIN CEILING TILE UNLESS NOTED OTHERWISE.
- D. CENTER CEILING SYSTEM IN EACH ROOM AS SHOWN UNLESS NOTED OTHERWISE.
- E. COORDINATE EXACT LOCATION OF ACCESS PANELS W/ MEP DRAWINGS.

RCP AND LIGHTING LEGEND

- [CX] CEILING TYPE
9'-0" AFF CEILING HEIGHT, ABOVE FINISH FLOOR
- 2X2 ACT CEILING GRID, REFER TO CEILING TYPES
- GWB CEILING, REFER TO CEILING TYPES
- FIBER CEMENT PERFORATED SOFFIT PANEL
- HORIZONTAL ALUMINUM WOOD-LOOK SOFFIT
- PERFORATED SOFFIT
- 60" HANGING LIGHTING FIXTURE (REFER TO E DWGS)
- 48" HANGING LIGHTING FIXTURE (REFER TO E DWGS)
- 36" HANGING LIGHTING FIXTURE (REFER TO E DWGS)
- 36" FLUSH LIGHTING FIXTURE (REFER TO E DWGS)
- PENDANT LIGHTING FIXTURE (REFER TO E DWGS)
- LIGHTING FIXTURE (REFER TO E DWGS)
- 24" X 48" LIGHTING FIXTURE (REFER TO E DWGS)
- RECESSED CAN LIGHTING FIXTURE (REFER TO E DWGS)
- EXTERIOR WALL PACK LIGHTING FIXTURE (REFER TO E DWGS)
- EXTERIOR SCONCE LIGHTING FIXTURE (REFER TO E DWGS)
- EXTERIOR RECESSED CAN LIGHTING FIXTURE (REFER TO E DWGS)
- 72" EXTERIOR WASH LIGHTING FIXTURE (REFER TO E DWGS)
- SPRINKLER HEAD (REFER TO P DWGS)
- SMOKE DETECTOR (REFER TO FA DWGS)
- SMOKE AND CARBON MONOXIDE DETECTOR (REFER TO FA DWGS)
- HEAT DETECTOR (REFER TO FA DWGS)
- HEAT AND CARBON MONOXIDE DETECTOR (REFER TO FA DWGS)
- EXIT SIGN LOCATION (REFER TO FA DWGS)
- WIRELESS ACCESS POINT (COORDINATE WITH E DWGS)
- SUPPLY DIFFUSER (REFER TO M DWGS)
- RETURN DIFFUSER (REFER TO M DWGS)
- SIZE (INCHES)
RATING
- CEILING ACCESS DOOR (REFER TO M DRAWINGS)
- AIR CONDITIONING UNIT (REFER TO M DWGS)
- HEATING UNIT (REFER TO M DWGS)
- CEILING RADIANT PANEL (REFER TO M DWGS)

DRAWING NOTES

- 261 LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
- 256 ROLLER SHADE, OFOI
- 257 BLINDS, OFOI
- 258 ACCESS HATCH, COORDINATE LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS
- 306 PERFORATED FIBER CEMENT SOFFIT BOARD
- 307 FIBER CEMENT SOFFIT BOARD
- 316 DOWNSPOUT



KEY PLAN

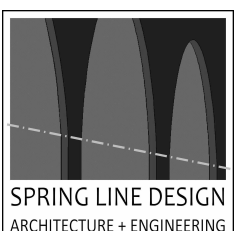
1 REFLECTED CEILING PLAN - AREA S
3/16" = 1'-0"

CONSULTANT:
CERTIFICATE OF AUTHORIZATION: 1127432



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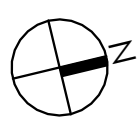
CONTRACT:

CONSTRUCTION

TITLE:
**PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER**

LOCATION:
80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT:
OFFICE OF MENTAL HEALTH



MARK	DATE	DESCRIPTION
3	06/12/2026	ADDENDUM 3 BID DOCUMENTS

PROJECT NUMBER: 47688-C

DESIGNED BY: KCG | JDD

DRAWN BY: KCG | CMW

FIELD CHECK:

APPROVED:

SHEET TITLE:

REFLECTED CEILING
PLAN - AREA S

DRAWING NUMBER:

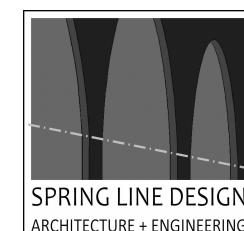
A-112

SHEET

OF



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REGISTRATION EXP. 12/31/202

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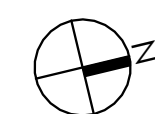
CONTRACT

CONSTRUCTION

TITLE: **PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER**

LOCATION: 80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT: OFFICE OF MENTAL HEALTH

[illegible]

PROJECT NUMBER:	47688-C
-----------------	---------

DESIGNED BY:	KCG JDD
--------------	-----------

DRAWN BY:	KCG CMV
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FIELD CHECK

SHEET TITLE:

REFLECTED CEILING
PLAN - AREA N

DRAWING NUMBER:

A-113

SHEET OF

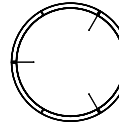
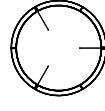
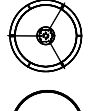
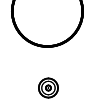
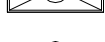
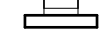
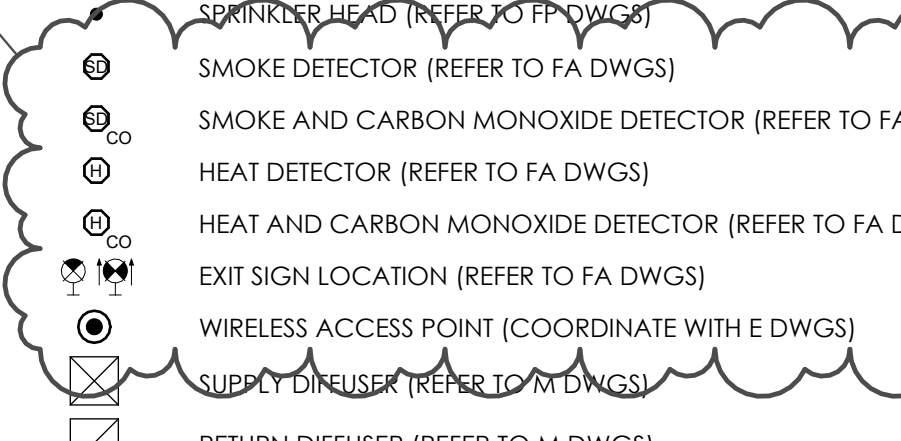
OF

GENERAL NOTES RCP

- A. REFER TO SHEET G-001 FOR GENERAL NOTES.
- B. MEP DEVICES SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS ARE PROVIDED FOR COORDINATION PURPOSES ONLY. REFER TO MEP DRAWINGS FOR ACTUAL QUANTITIES, STYLE AND MODEL.
- C. CENTER CEILING INSTALLED DEVICES WITHIN CEILING TILE UNLESS NOTED OTHERWISE.
- D. CENTER CEILING SYSTEM IN EACH ROOM AS SHOWN UNLESS NOTED OTHERWISE.
- E. COORDINATE EXACT LOCATION OF ACCESS PANELS W/ MEP DRAWINGS.

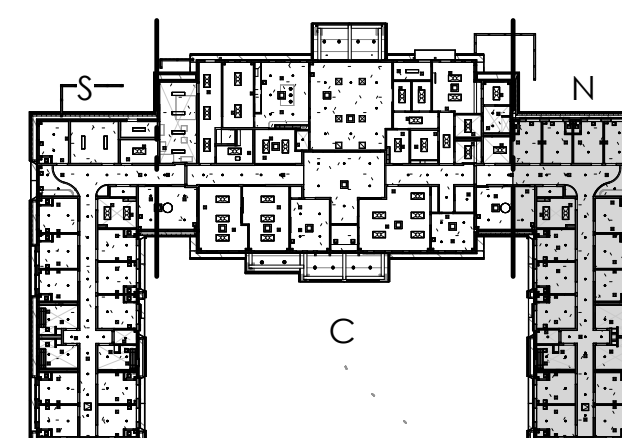
RCP AND LIGHTING LEGEND

-

-  60" HANGING LIGHTING FIXTURE (REFER TO E DWGS)
 48" HANGING LIGHTING FIXTURE (REFER TO E DWGS)
 36" HANGING LIGHTING FIXTURE (REFER TO E DWGS)
 36" FLUSH LIGHTING FIXTURE (REFER TO E DWGS)
 PENDANT LIGHTING FIXTURE (REFER TO E DWGS)
 LIGHTING FIXTURE (REFER TO E DWGS)
 24" X 48" LIGHTING FIXTURE (REFER TO E DWGS)
 RECESSED CAN LIGHTING FIXTURE (REFER TO E DWGS)
 EXTERIOR WALL PACK LIGHTING FIXTURE (REFER TO E DWGS)
 EXTERIOR SCONCE LIGHTING FIXTURE (REFER TO E DWGS)
 EXTERIOR RECESSED CAN LIGHTING FIXTURE (REFER TO E DWGS)
 72" EXTERIOR WASH LIGHTING FIXTURE (REFER TO E DWGS)

 -  SPRINKLER HEAD (REFER TO P DWGS)
 -  SMOKE DETECTOR (REFER TO FA DWGS)
 -  SMOKE AND CARBON MONOXIDE DETECTOR (REFER TO FA DWGS)
 -  HEAT DETECTOR (REFER TO FA DWGS)
 -  HEAT AND CARBON MONOXIDE DETECTOR (REFER TO FA DWGS)
 -  EXIT SIGN LOCATION (REFER TO FA DWGS)
 -  WIRELESS ACCESS POINT (COORDINATE WITH E DWGS)
 -  SUPPLY DIFFUSER (REFER TO M DWGS)
 -  RETURN DIFFUSER (REFER TO M DWGS)

DRAWING NOTES

- 133 GUTTER
251 LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
252 SPRINKLER HEAD, REFER TO FIRE PROTECTION DRAWINGS
256 ROLLER SHADE, OFOI
257 BLINDS, OFOI
258 ACCESS HATCH, COORDINATE LOCATIONS WITH MECHANICAL AND PLUMBING DRAWINGS
263 RADIANT HEATING PANEL, REFER TO MECHANICAL DRAWINGS
306 PERFORATED FIBER CEMENT SOFFIT BOARD
307 FIBER CEMENT SOFFIT BOARD
316 DOWNSPOUT



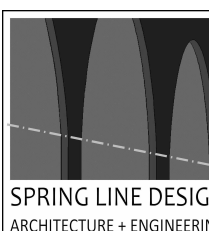
KEY PLAN

REFLECTED CEILING PLAN - AREA N

$$3/16'' = 1'-0''$$



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WE HEREBY AFFIRM THAT TO THE BEST OF OUR KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE AND THE 2020 NEW YORK STATE UNIFORM BUILDING CODE.

CONTRACT: CONSTRUCTION
TITLE: **PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER**
LOCATION: 80-45 WINCHESTER BLVD QUEENS VILLAGE, NY
CLIENT: OFFICE OF MENTAL HEALTH

MARK	PROJECT NUMBER:	47688-C
DESIGNED BY:	JDD	
DRAWN BY:	LH JDD	
FIELD CHECK:		
APPROVED:		
SHEET TITLE:	BUILDING ELEVATIONS	
DRAWING NUMBER:	A-201	
SHEET	OF	

GENERAL NOTES

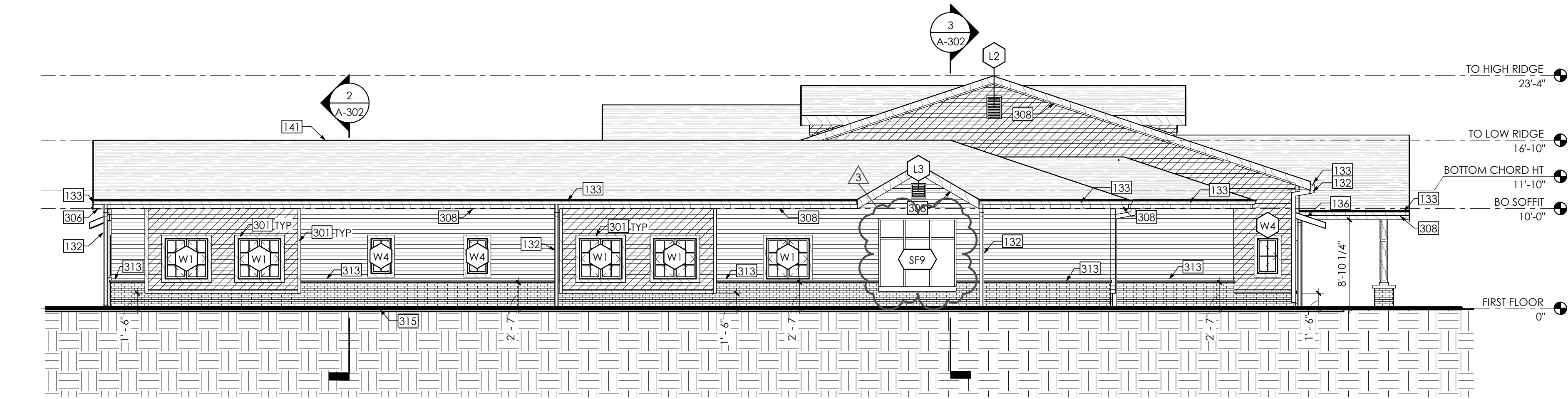
- REFER TO SHEET G-001 FOR GENERAL NOTES AND WALL TYPES.
- DIMENSIONS ARE TO FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS OR DETAILS.

EXTERIOR MATERIALS

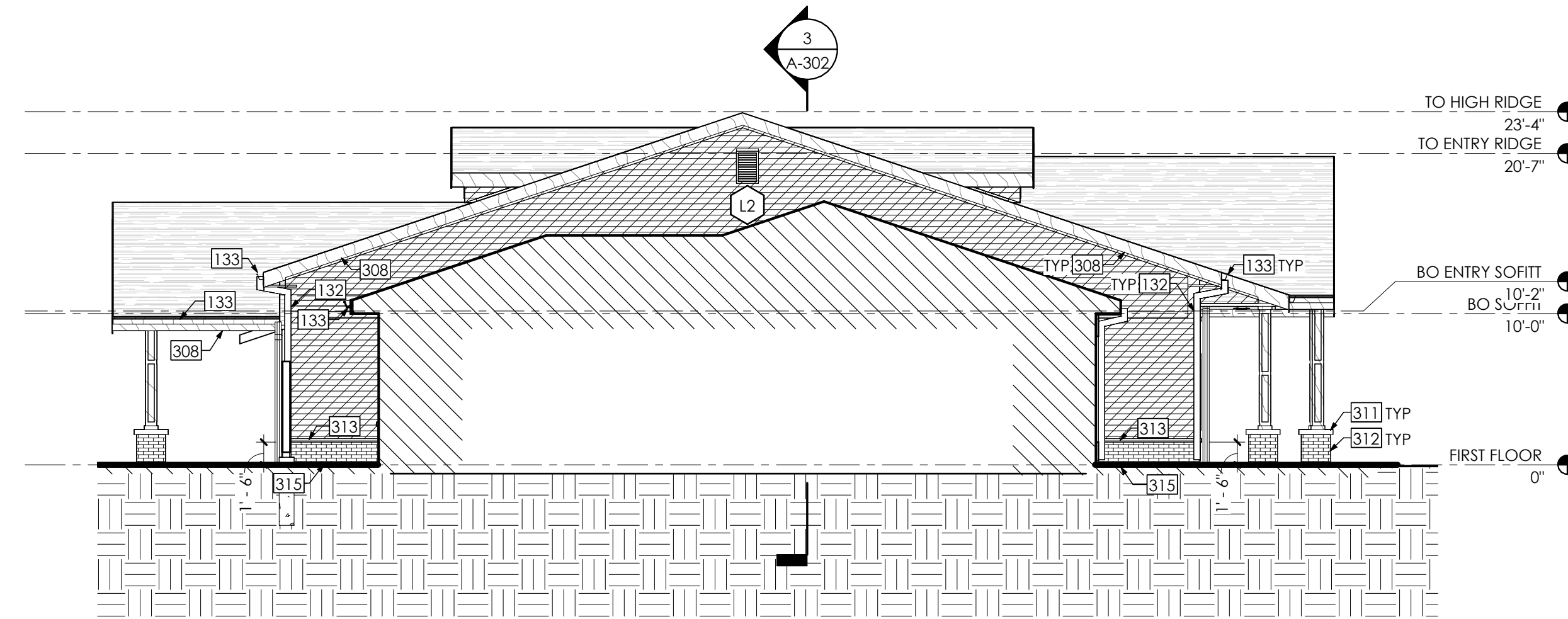
- THIN BRICK VENEER
- FIBER CEMENT LAP SIDING 5" EXPOSURE - COLOR 1
- FIBER CEMENT LAP SIDING 5" EXPOSURE - COLOR 2 (ALL BOXOUTS AND CENTER STRUCTURE)
- FIBER CEMENT FASCIA & TRIM BOARD
- ASPHALT SHINGLES
- COMPOSITE WOOD SCREEN

DRAWING NOTES

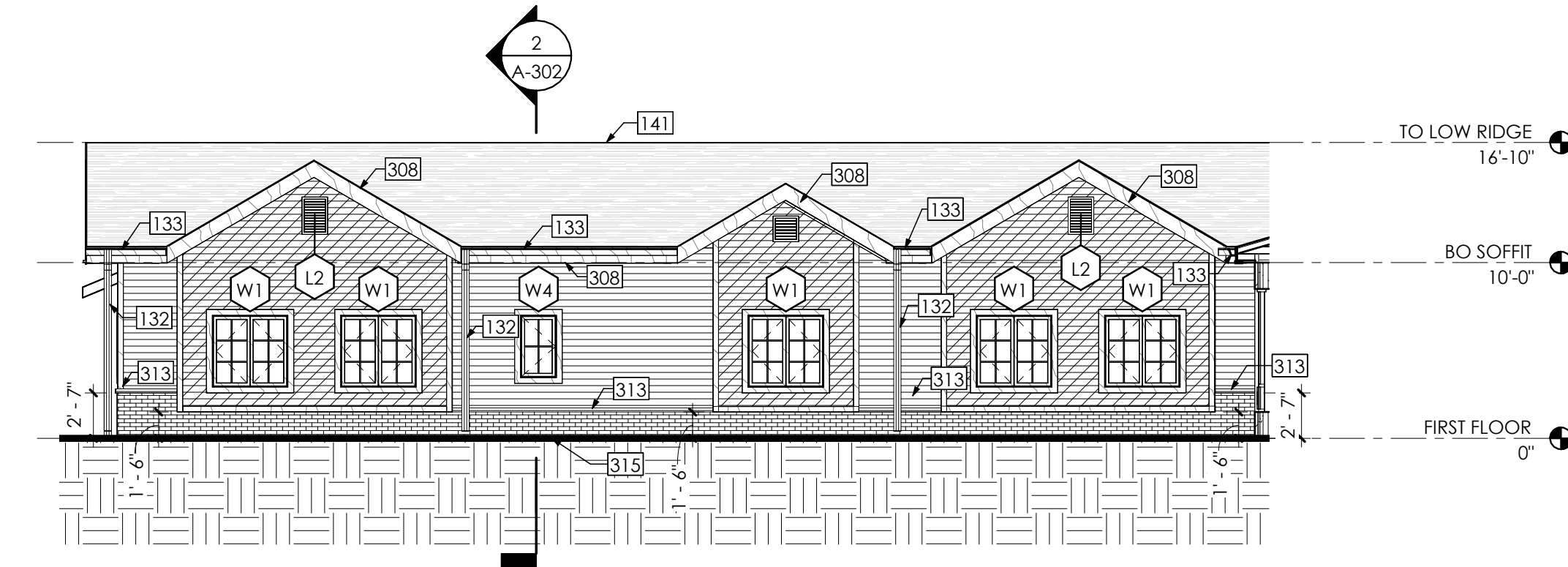
- 132 DOWNSPOUT, REFER TO CIVIL DRAWINGS
- 133 GUTTER
- 136 STANDING SEAM METAL ROOF AWNING
- 141 RIDGE VENT
- 301 4 INCH FIBER CEMENT EXTERIOR TRIM BOARD
- 306 PERFORATED FIBER CEMENT SOFFIT BOARD
- 308 1 BY 12 INCH FIBER CEMENT FACIA BOARD
- 311 PRECAST CONCRETE SILL CAP, SEE 2/A-320
- 312 THIN BRICK VENEER COLUMN BASE
- 313 PRECAST CONCRETE TRIM CAP
- 314 TRIMLESS GLASS VENT
- 315 CONCRETE FACED RIGID INSULATION COVERBOARD



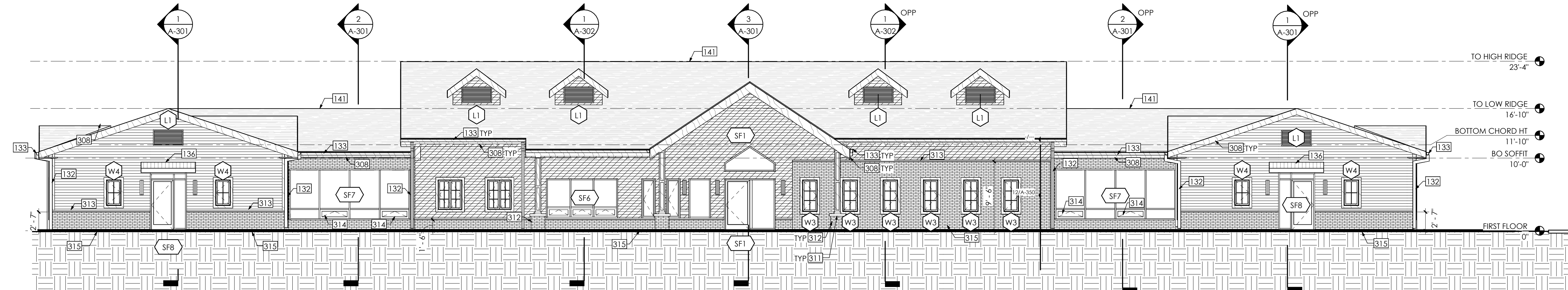
4 NORTH WING ELEVATION
1/8" = 1'-0"



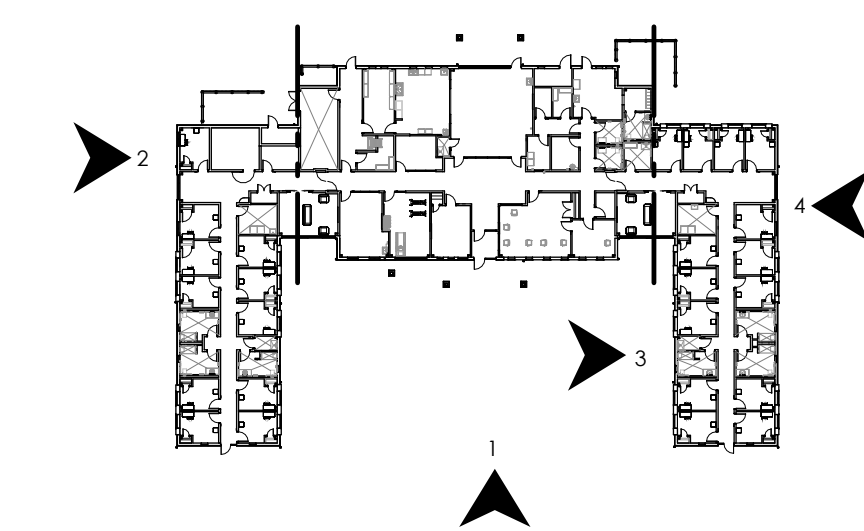
2 ENTRY - SOUTH SIDE
1/8" = 1'-0"



3 FORECOURT - NORTH WING
1/8" = 1'-0"

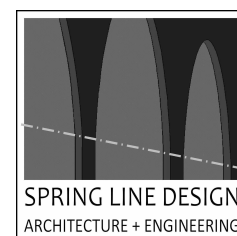


1 EAST ELEVATION
1/8" = 1'-0"





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REGISTRATION EXP. 12/31/202

CONTRACT

CONSTRUCTION

TITLE: **PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER**

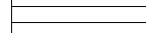
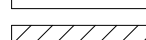
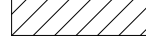
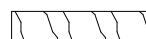
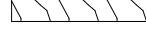
LOCATION: 80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT: OFFICE OF MENTAL HEALTH

GENERAL NOTES

- A. REFER TO SHEET G-001 FOR GENERAL NOTES AND WALL TYPES.
- B. DIMENSIONS ARE TO FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.
- C. DO NOT SCALE DRAWINGS OR DETAILS.

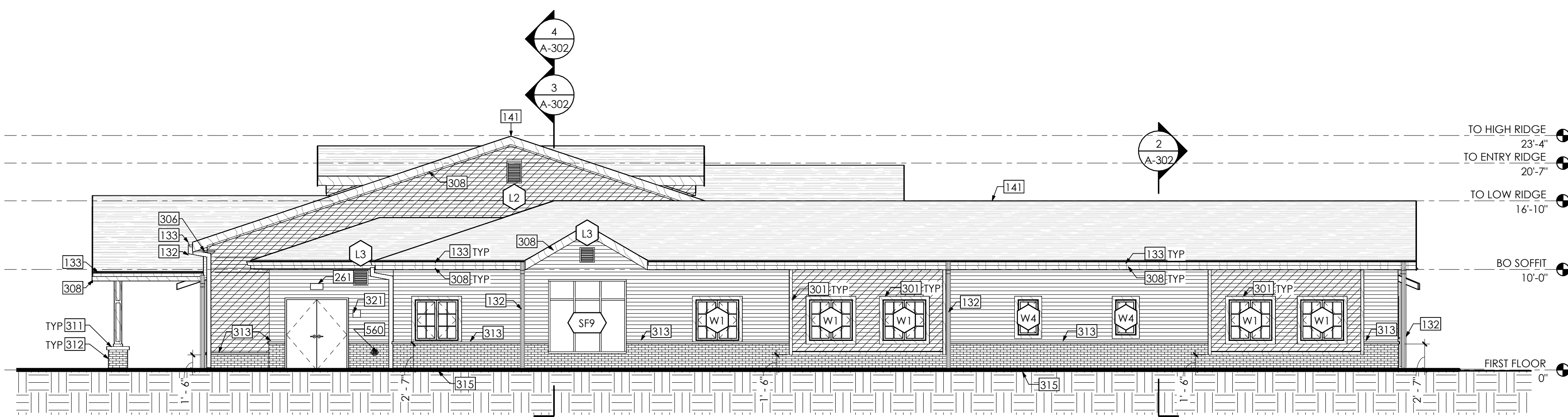
EXTERIOR MATERIALS

- | | |
|--|---|
|  | THIN BRICK VENEER |
|  | FIBER CEMENT LAP SIDING 5" EXPOSURE - COLOR 1 |
|  | FIBER CEMENT LAP SIDING 5" EXPOSURE - COLOR 2
(ALL BOXOUTS AND CENTER STRUCTURE) |
|  | FIBER CEMENT FASCIA & TRIM BOARD |
|  | ASPHALT SHINGLES |
|  | COMPOSITE WOOD SCREEN |

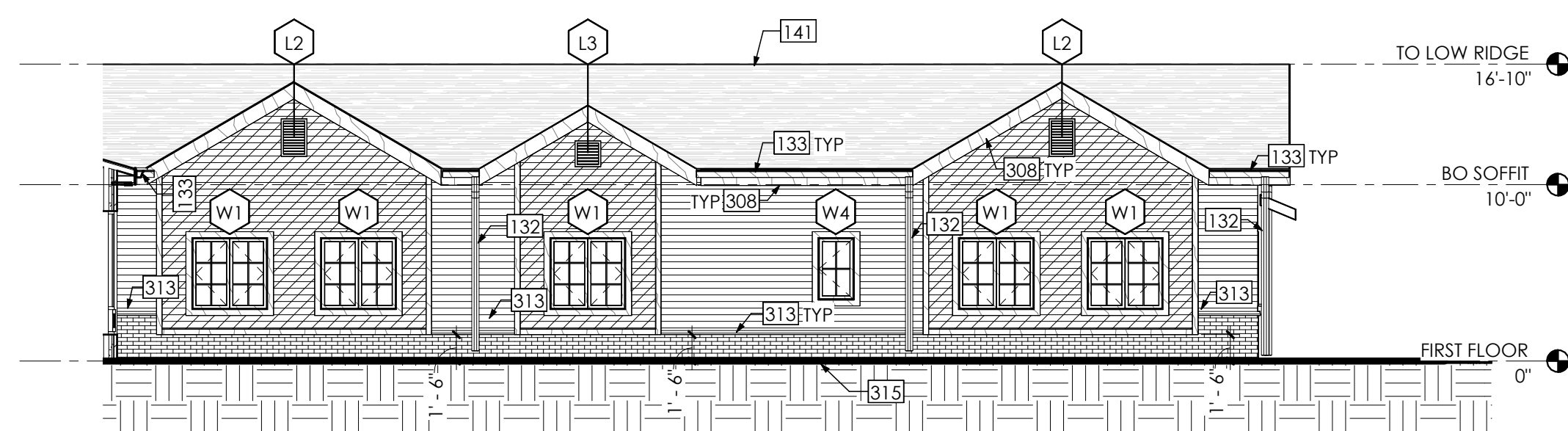
DRAWING NOTES

- 132 DOWNSPOUT, REFER TO CIVIL DRAWINGS
133 GUTTER
134 COMPOSITE WOOD EQUIPMENT SCREEN WALL
136 STANDING SEAM METAL ROOF AWNING
141 RIDGE VENT
260 EXTERIOR WALL SCONE LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
261 EXTERIOR WALL PACK LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
301 4 INCH FIBER CEMENT EXTERIOR TRIM BOARD
306 PERFORATED FIBER CEMENT SOFFIT BOARD
308 1 BY 12 INCH FIBER CEMENT FACIA BOARD
311 PRECAST CONCRETE SILL CAP, SEE 2/A-320
312 THIN BRICK VENEER COLUMN BASE
313 PRECAST CONCRETE TRIM CAP
315 CONCRETE FACED RIGID INSULATION COVERBOARD
321 PROVIDE KNOX BOX, COORDINATE FINAL LOCATION WITH FIRE OFFICIAL,
COORDINATE KEYING WITH DIRECTORS REPRESENTATIVE
560 PROVIDE SIAMSE CONNECTION, REFER TO PLUMBING AND FIRE PROTECTION
DRAWINGS

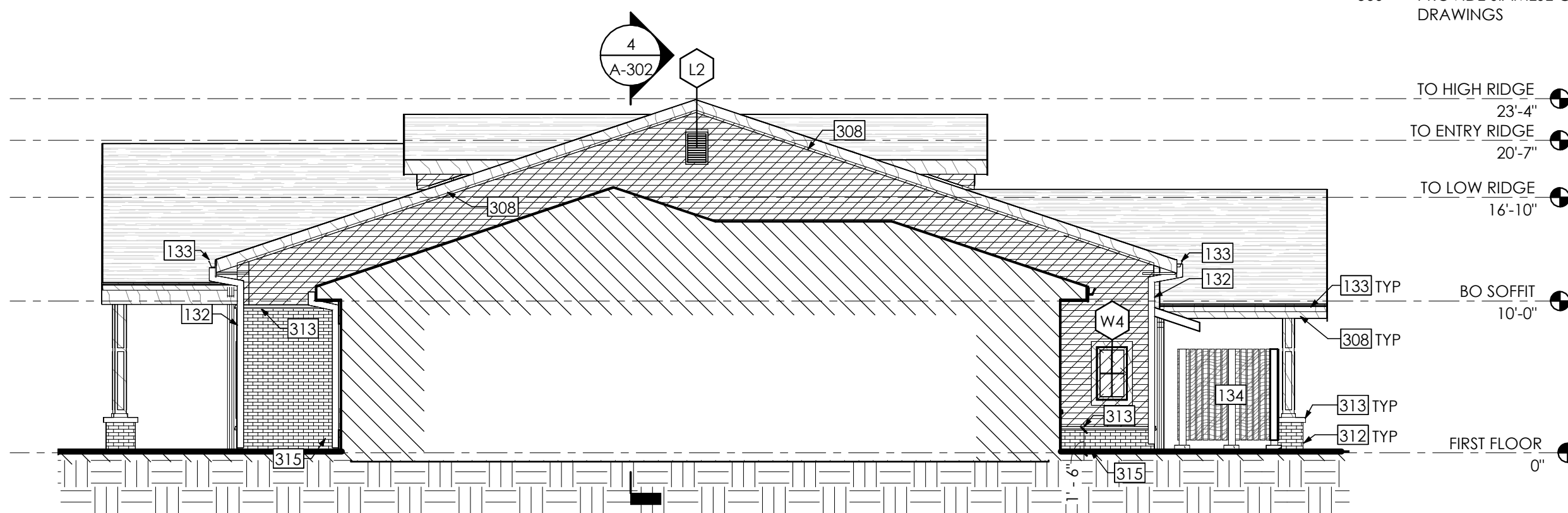
4 SOUTH WING ELEVATION

$$\frac{1}{8}'' = 1'-0''$$


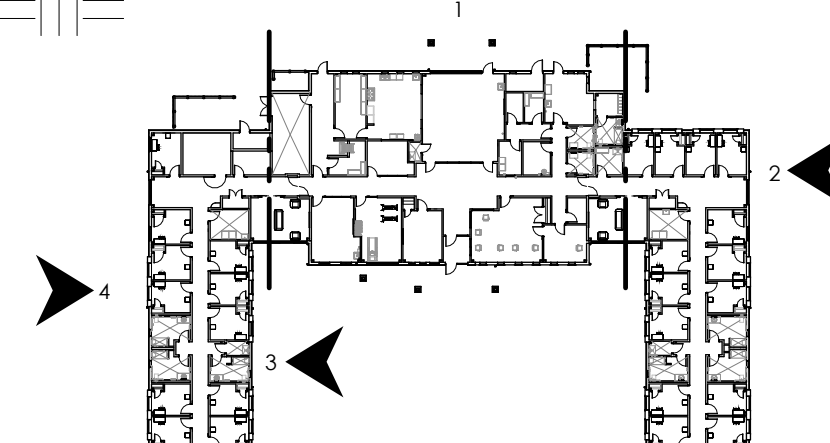
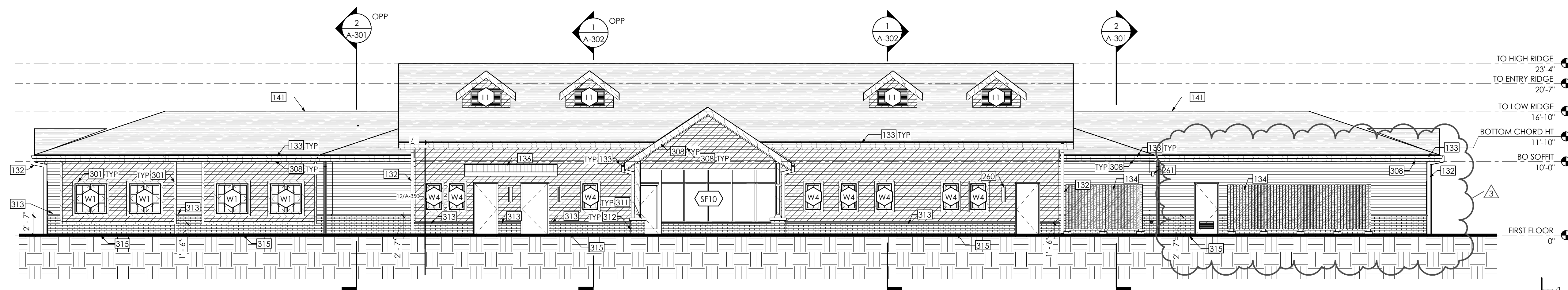
2 FORECOURT - SOUTH WING

$$1/8'' = 1'-0''$$


② ENTRY - NORTH SIDE

$$1/8'' = 1'-0''$$


1 WEST ELEVATION

$$\overline{1/8'' = 1'-0''}$$


BUILDING ELEVATIONS

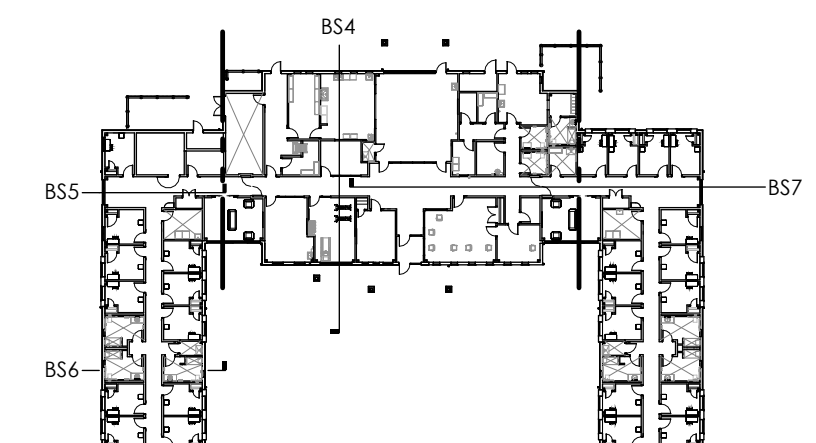
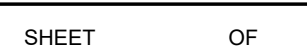
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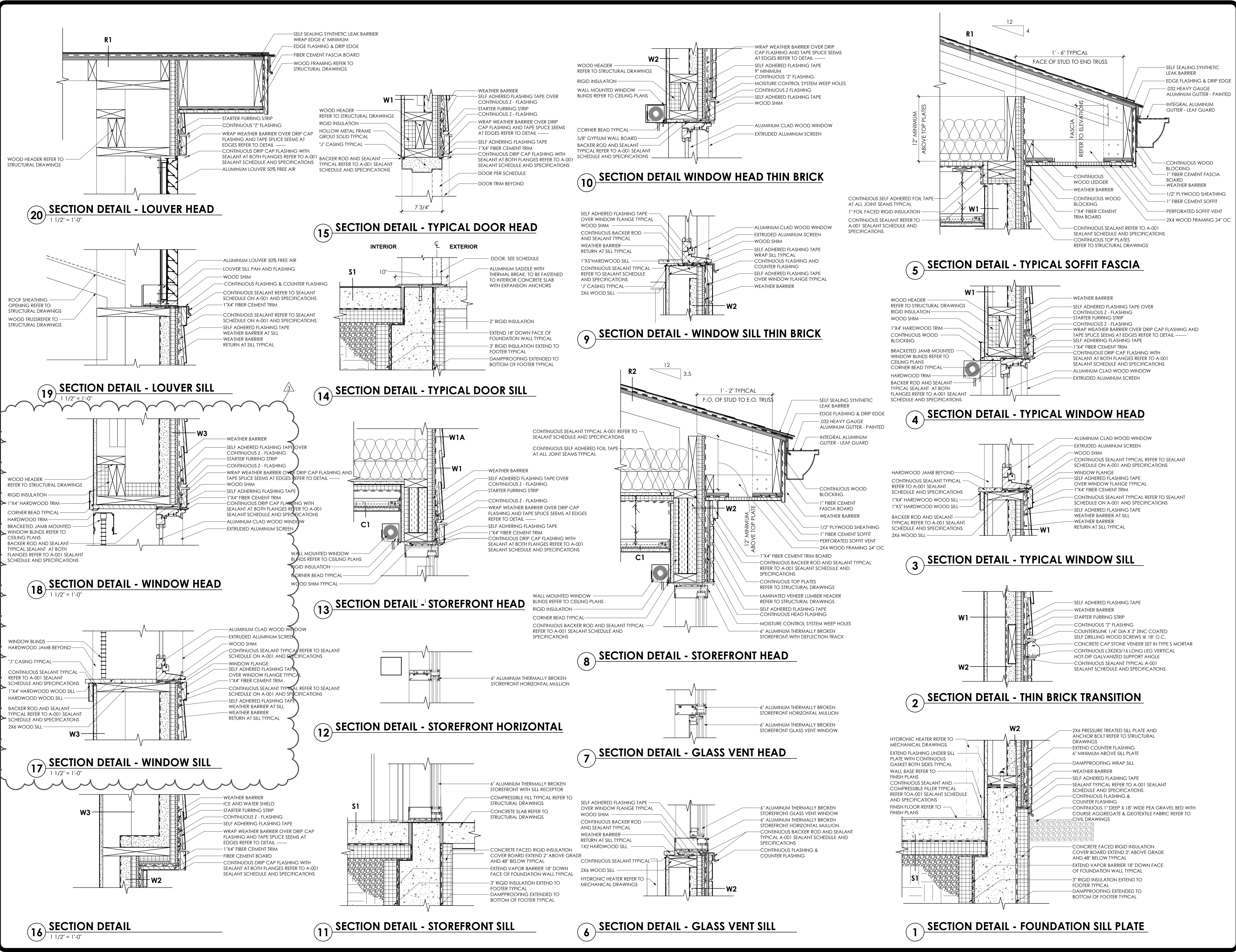
A-202

SHEET OF



301	4 INCH FIBER CEMENT EXTERIOR TRIM BOARD
305	WALL BASE, REFER TO BOD AND FINISH PLANS
308	1 BY 12 INCH FIBER CEMENT FACIA BOARD
311	PRECAST CONCRETE SILL CAP, SEE 2/A-320
312	THIN BRICK VENEER COLUMN BASE
313	PRECAST CONCRETE TRIM CAP





Office of General Services

CONSULTANT:

CERTIFICATE OF AUTHORIZATION: 1127432

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ENGINEERS, P.C.

SPRING LINE DESIGN
ARCHITECTURE + ENGINEERING

Tectonic
PRACTICE: ARCHITECTURE, INTERIOR DESIGN, LANDSCAPE ARCHITECTURE
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.

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REGISTRATION EXP. 12/31/2026

CONTRACT: CONSTRUCTION

TITLE: **PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER**

LOCATION: 80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT: OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION
3	06/12/2026	ADDENDUM 3 BID DOCUMENTS

PROJECT NUMBER: 47688-C

DESIGNED BY: JDD

DRAWN BY: JDD | CMW

FIELD CHECK:

APPROVED:

SHEET TITLE: **WALL SECTION DETAILS**

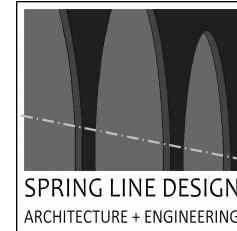
DRAWING NUMBER: A-320

SHEET OF



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REGISTRATION EXP. 12/31/2026

CONTRACT: CONSTRUCTION

TITLE:
**PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER**

LOCATION:
80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT:
OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION
3	06/12/2026	ADDENDUM 3
10/17/2025		BID DOCUMENTS

PROJECT NUMBER: 47688-C
DESIGNED BY: JDD
DRAWN BY: KCG | JDD
FIELD CHECK:
APPROVED:
SHEET TITLE:

EXTERIOR PLAN DETAILS

DRAWING NUMBER:
A-330

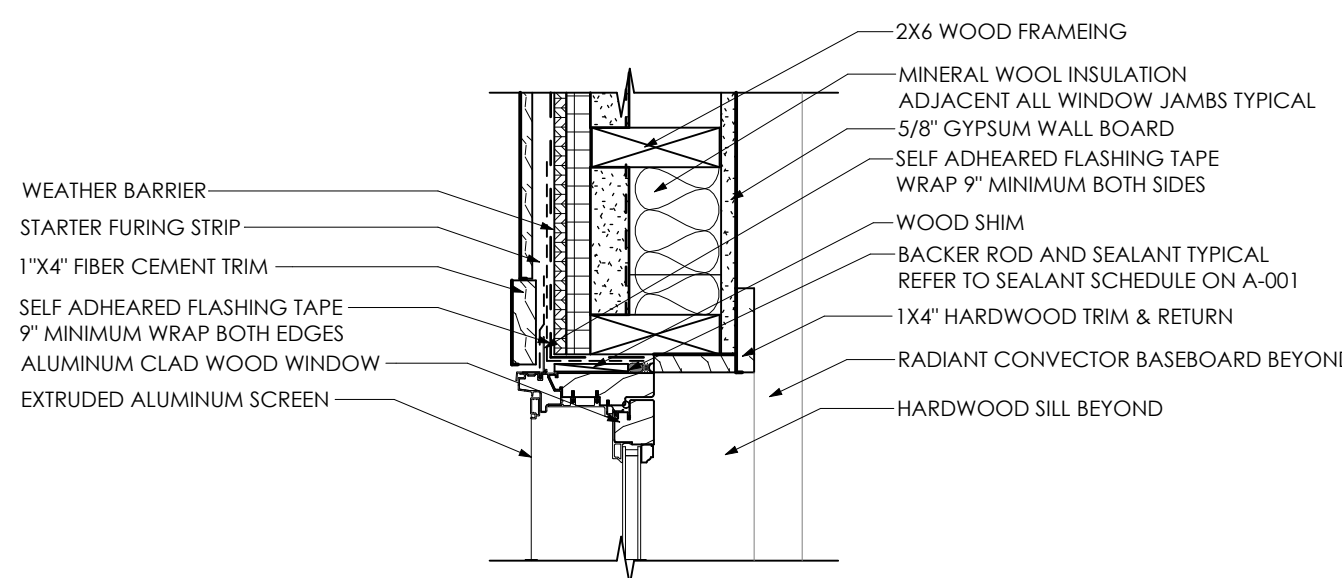
SHEET OF

GENERAL NOTES

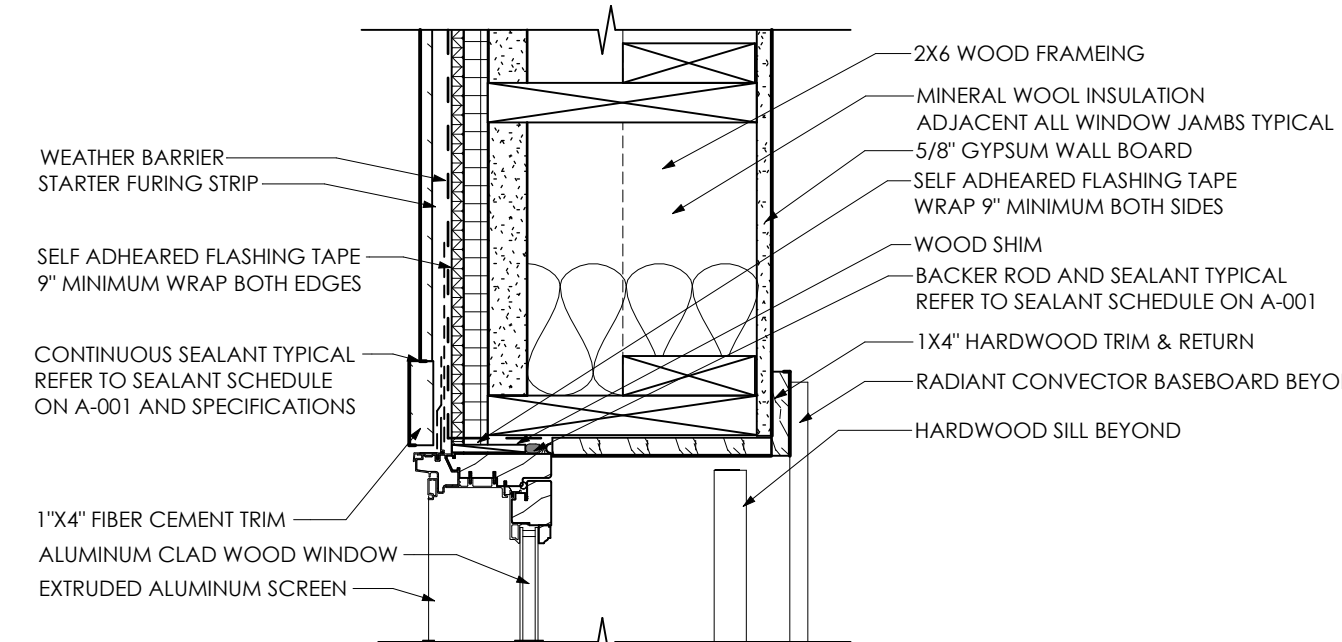
- DIMENSIONS ARE TO FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS OR DETAILS.
- COORDINATE WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES.
- PROTECT CONDITIONS AND MATERIALS WITHIN PROPOSED CONSTRUCTION AREA. DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL OR REMOVAL TASKS.
- PERFORM CUTTING, PATCHING, AND REPAIRING AS REQUIRED TO PERFORM WORK INDICATED ON DRAWINGS.
- REFER TO A-001 FOR WALL TYPES INFORMATION.
- SEE CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE.
- DOORS ARE LOCATED 6 INCHES FROM WALL UNLESS OTHERWISE NOTED.
- REFER TO A-003 FOR TYPICAL MOUNTING INFORMATION.
- CONTRACTOR TO ANCHOR ALL EXTERIOR FURNITURE TO CONCRETE SLAB. ARCHITECT TO REVIEW AND CONFIRM ANCHORING DETAIL BASED ON FINAL FURNITURE SELECTION AND MANUFACTURERS RECOMMENDATIONS.
- TYPICAL HEATER PIPE ENCLOSURE DETAILS ARE FOR REFERENCE OF CLEAR DIMENSIONS FOR COMMON CONDITIONS. COORDINATE WITH MECHANICAL DRAWINGS AND DIRECTOR'S REPRESENTATIVE

DRAWING NOTES

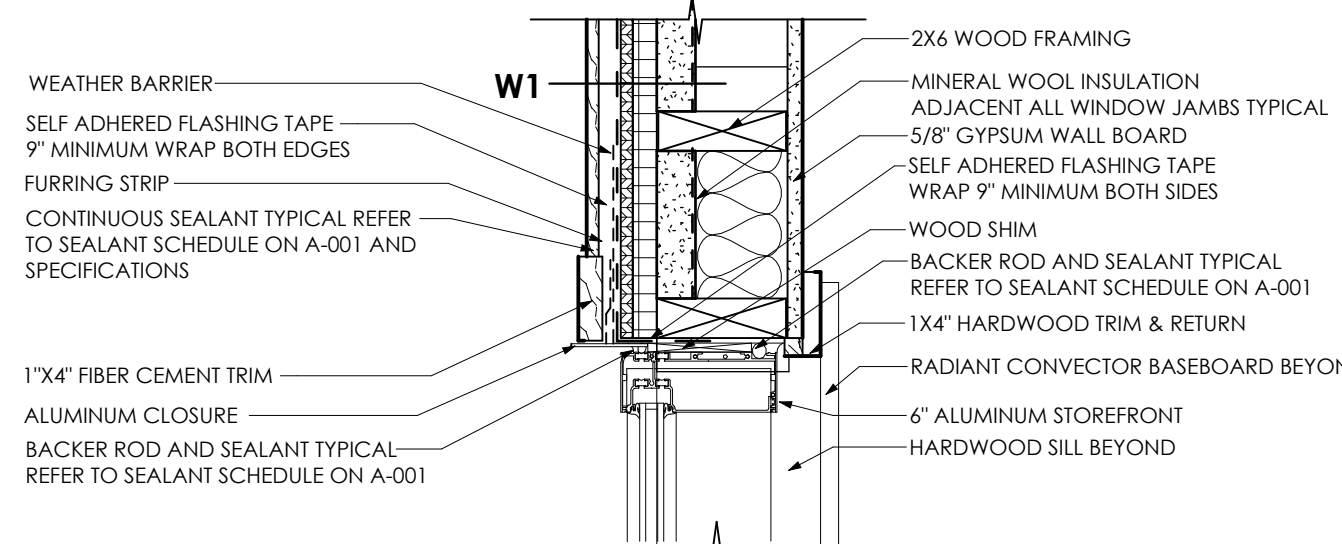
- 127 SHELF AND CLOTHING ROD, PROVIDE BLOCKING, CUT EACH SHELF TO FIT AROUND CHASE
- 131 SHELF RADIANT CONVECTOR BASEBOARD WITH INTEGRAL COVER, REFER TO MECHANICAL DRAWINGS AND PANEL RADIATOR SCHEDULE FOR LOCATIONS, LENGTHS, STYLES, AND ACCESSORIES
- 153 RADIANT PANEL SUPPLY AND RETURN PIPING, REFER TO MECHANICAL DRAWINGS



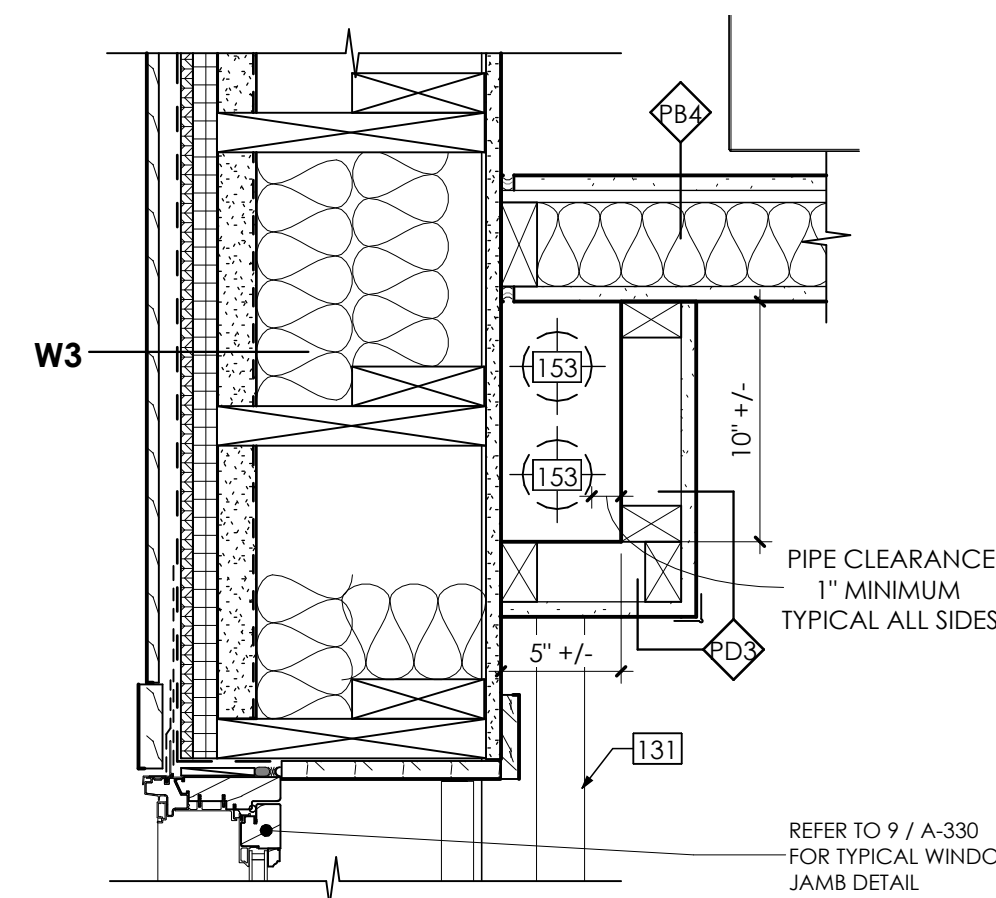
12 JAMB DETAIL
1 1/2" = 1'-0"



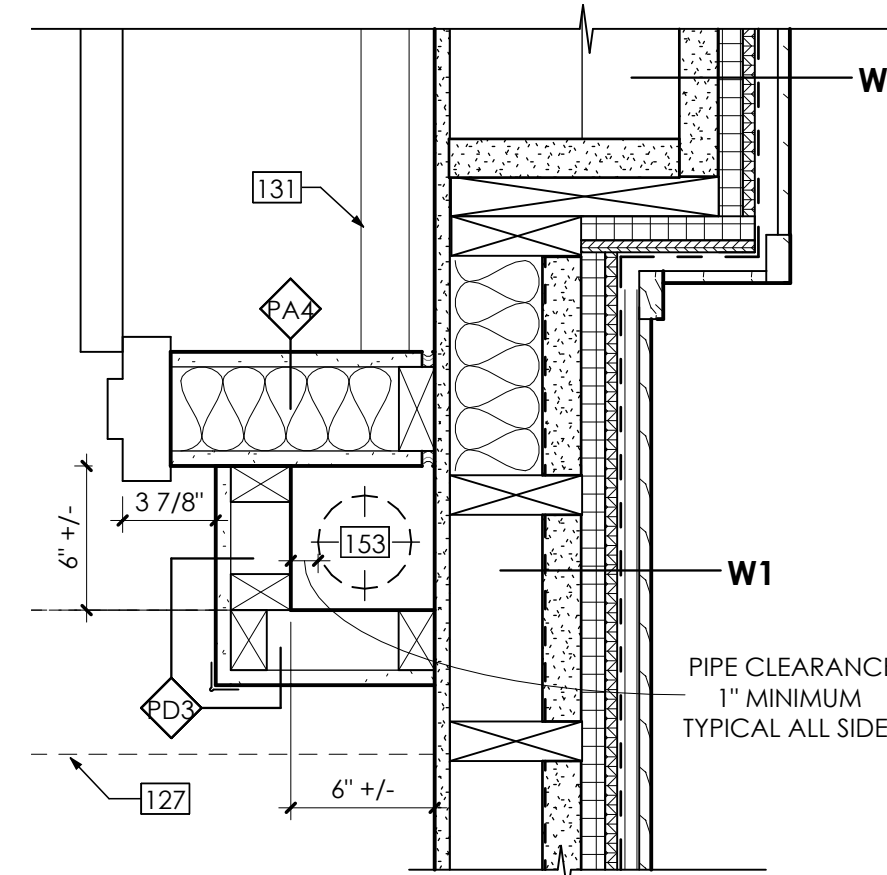
9 JAMB DETAIL
1 1/2" = 1'-0"



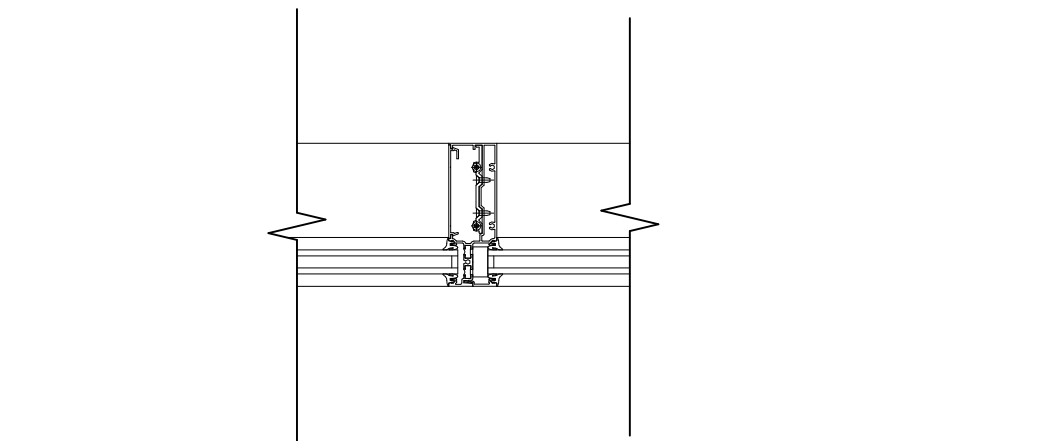
6 JAMB DETAIL
1 1/2" = 1'-0"



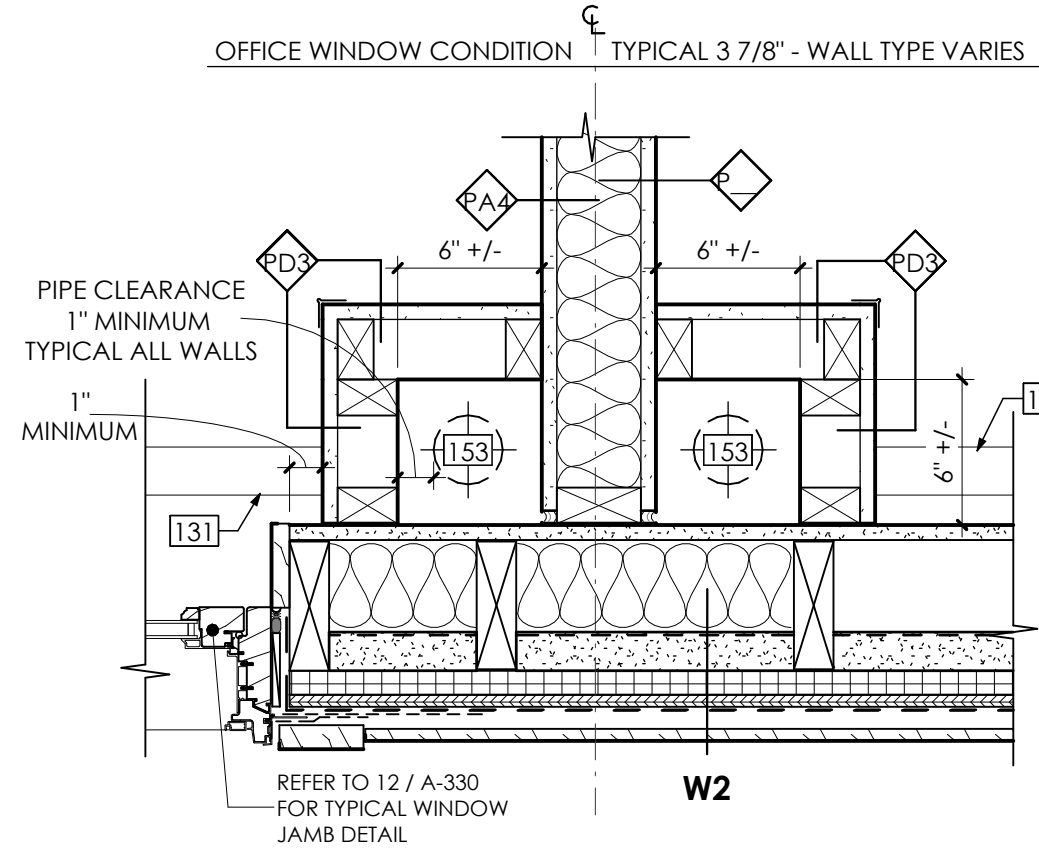
5 PLAN DETAIL
1 1/2" = 1'-0"



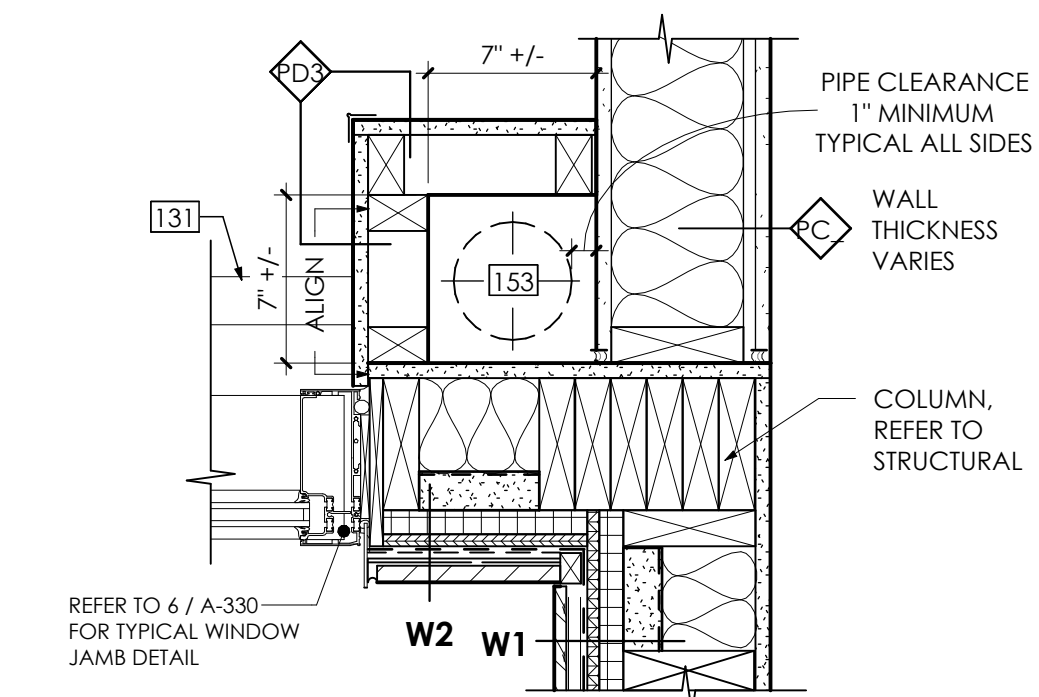
2 PLAN DETAIL
1 1/2" = 1'-0"



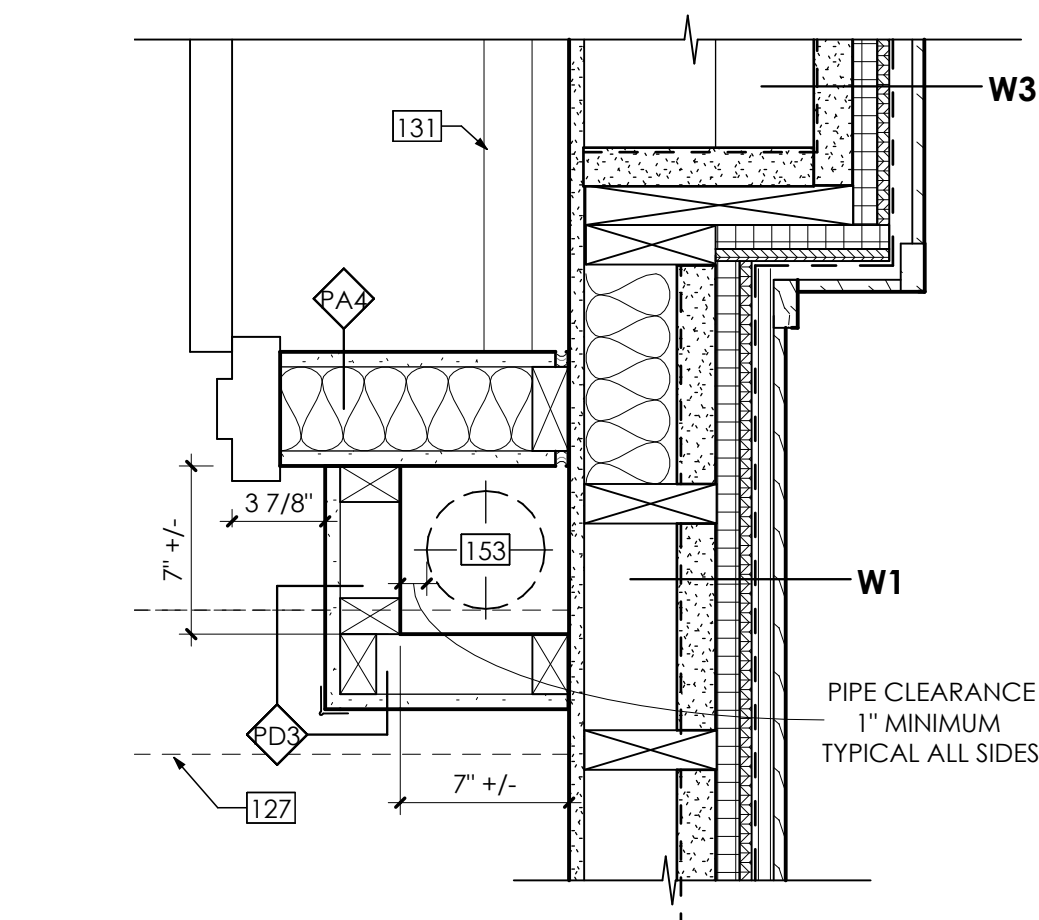
13 TYPICAL STOREFRONT VERTICAL MULLION
1 1/2" = 1'-0"



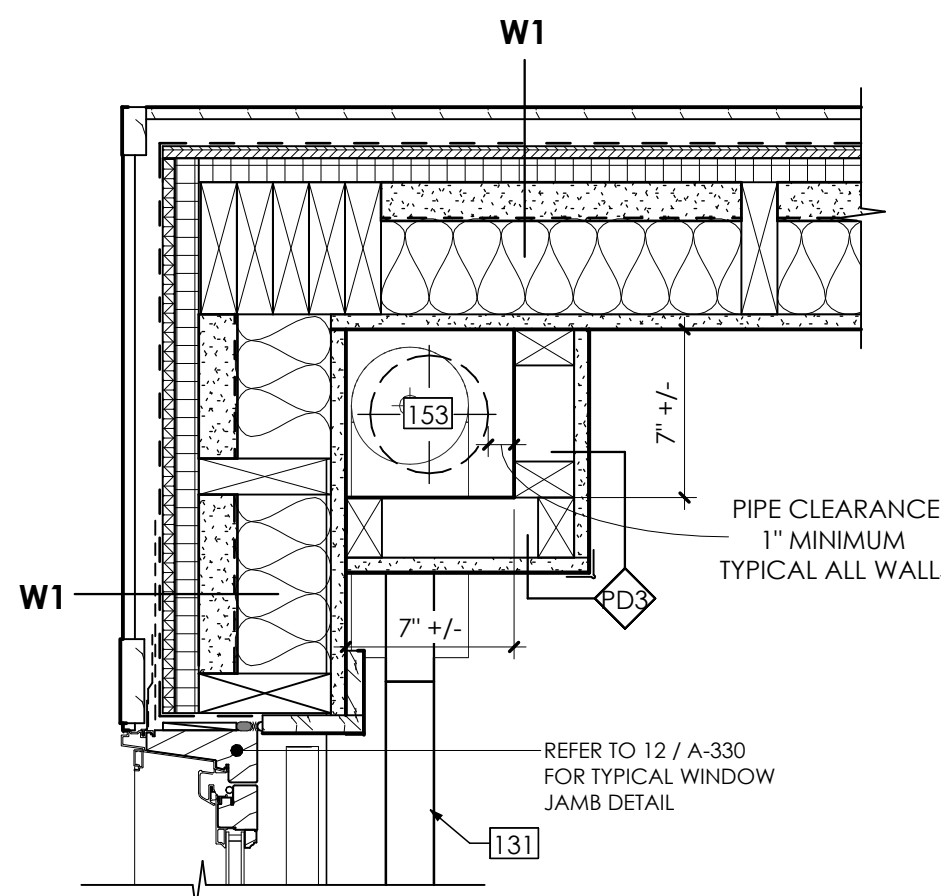
10 PLAN DETAIL
1 1/2" = 1'-0"



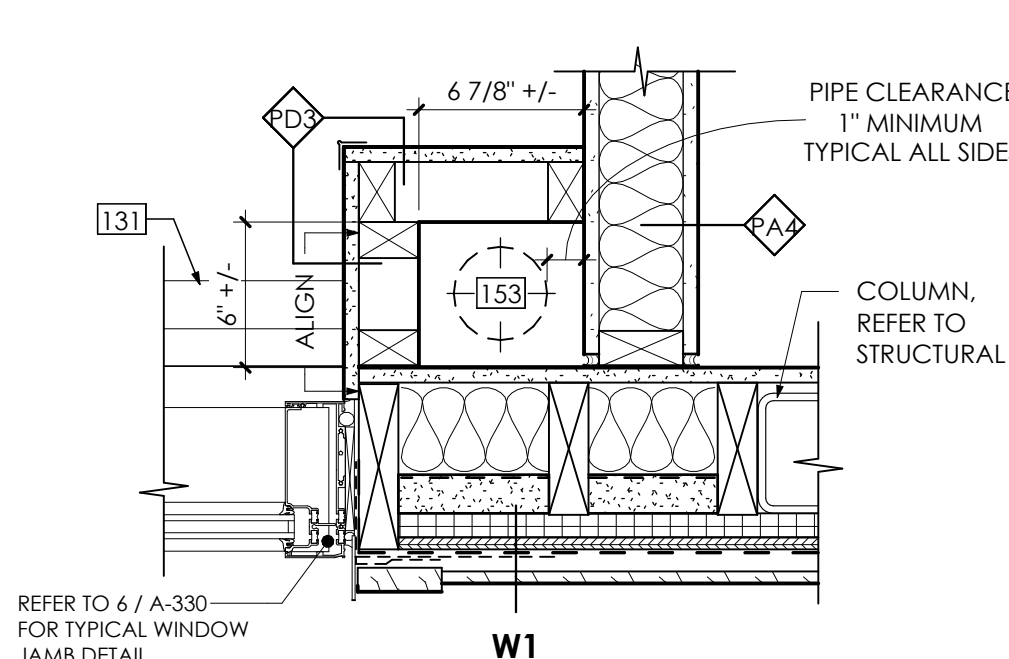
7 PLAN DETAIL
1 1/2" = 1'-0"



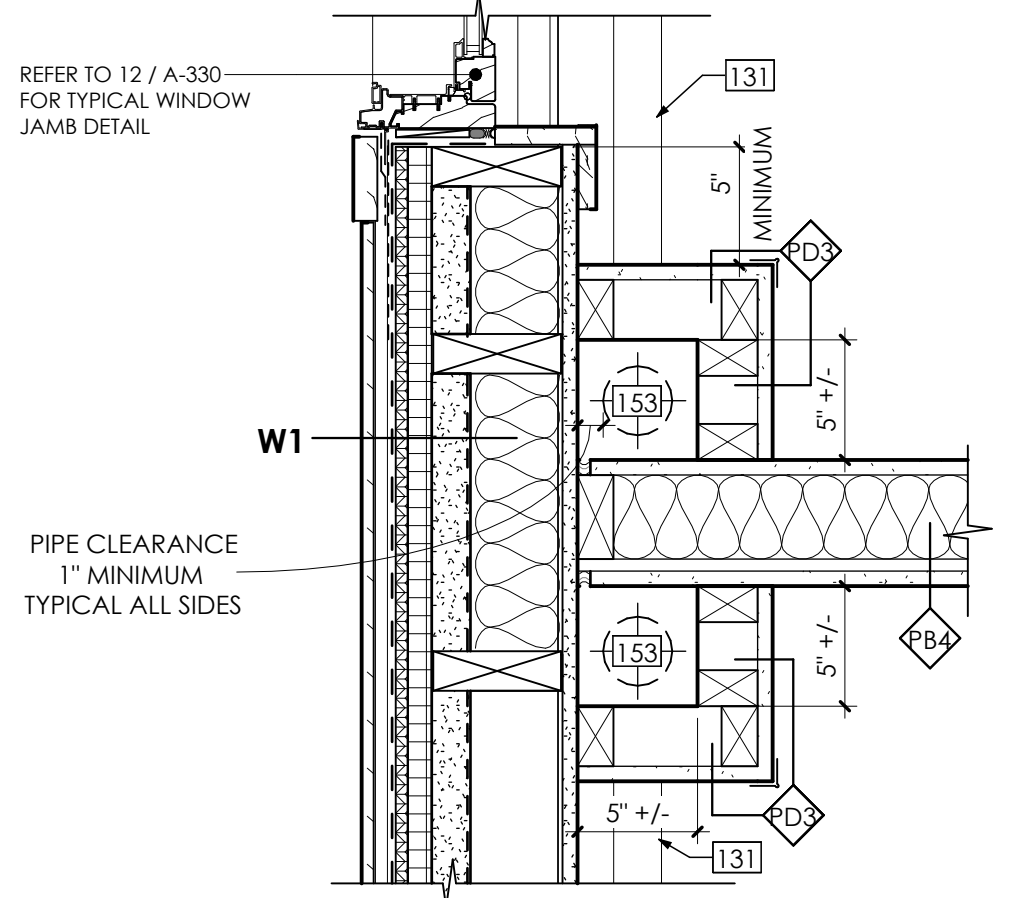
3 PLAN DETAIL
1 1/2" = 1'-0"



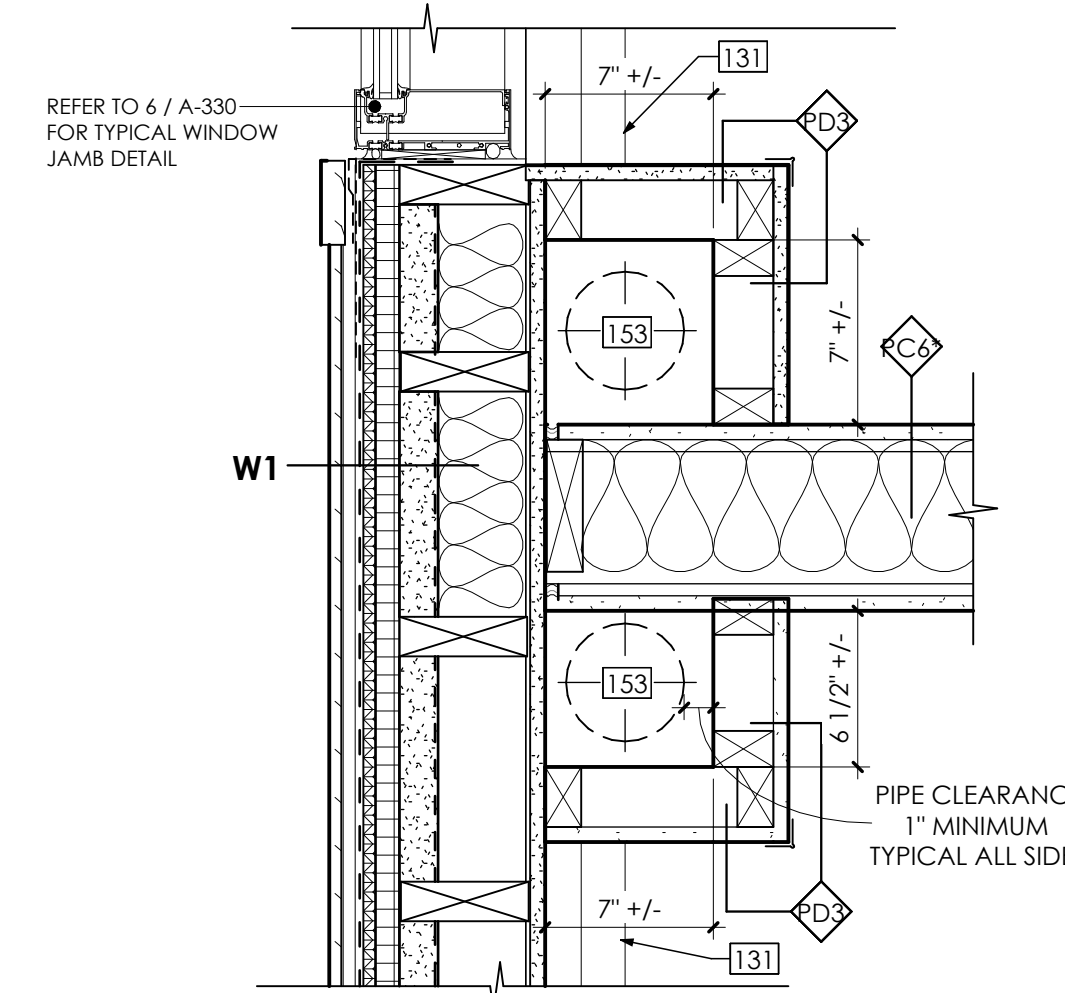
11 PLAN DETAIL
1 1/2" = 1'-0"



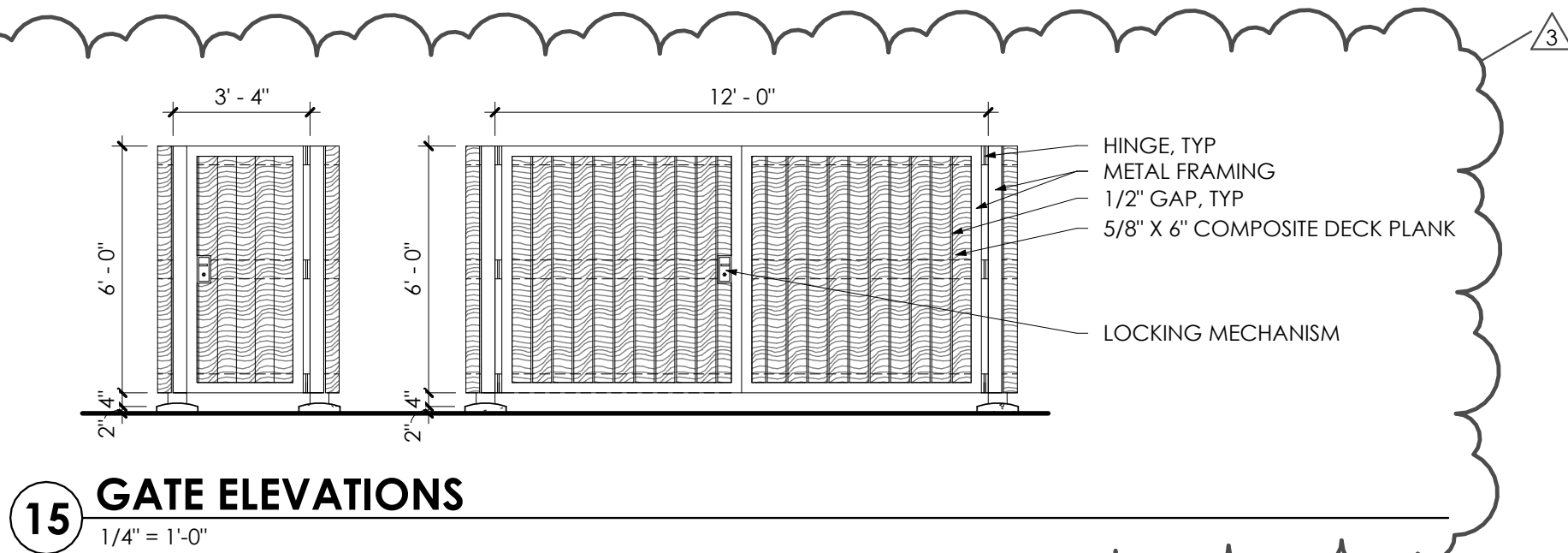
8 PLAN DETAIL
1 1/2" = 1'-0"



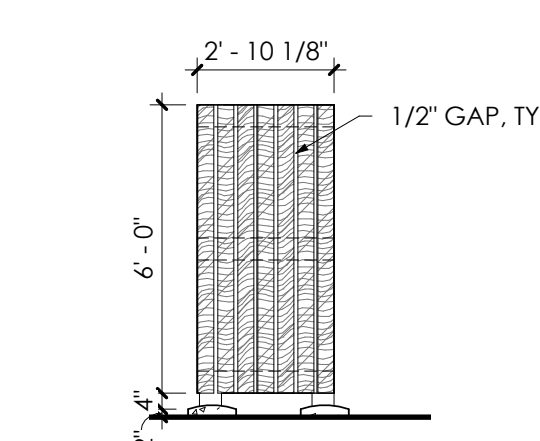
4 PLAN DETAIL
1 1/2" = 1'-0"



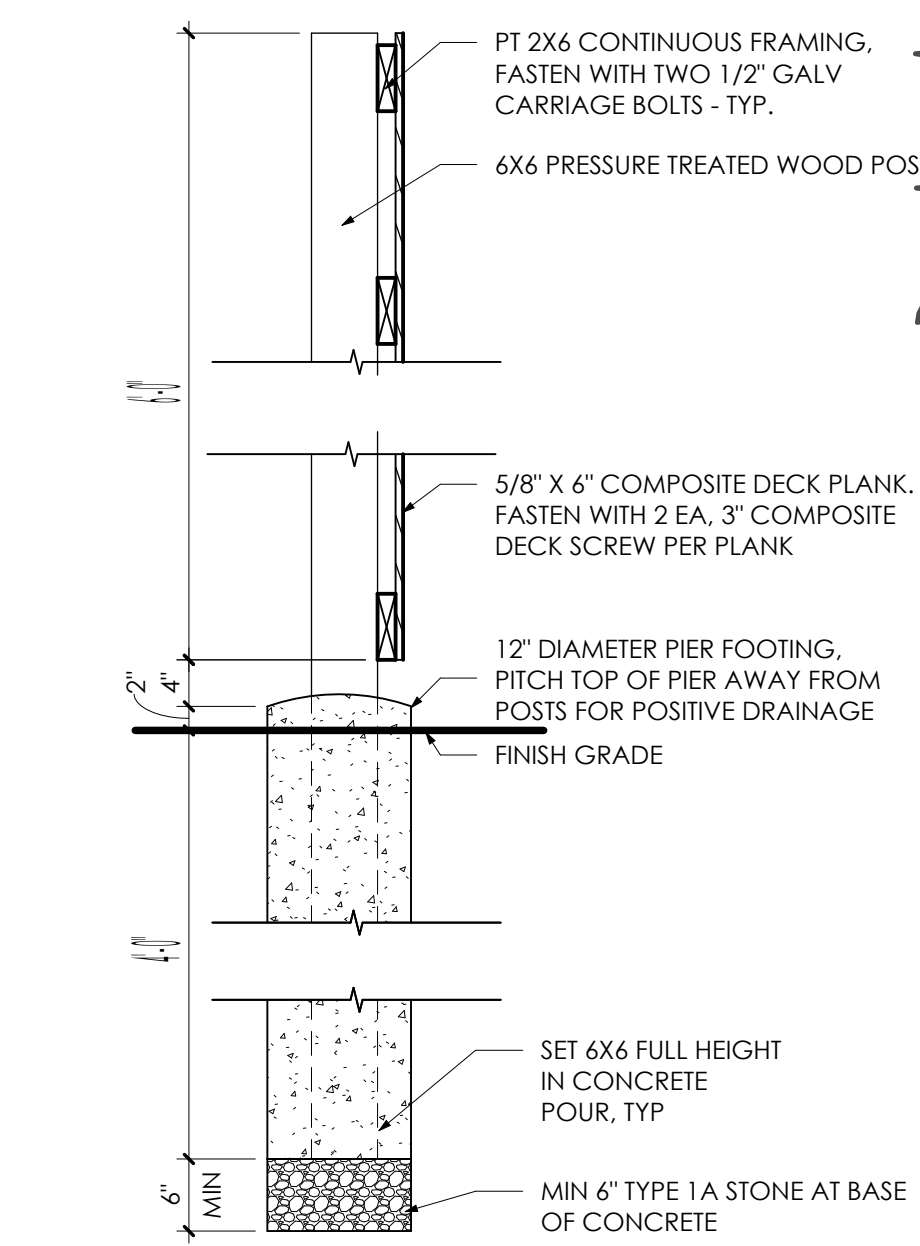
1 PLAN DETAIL
1 1/2" = 1'-0"



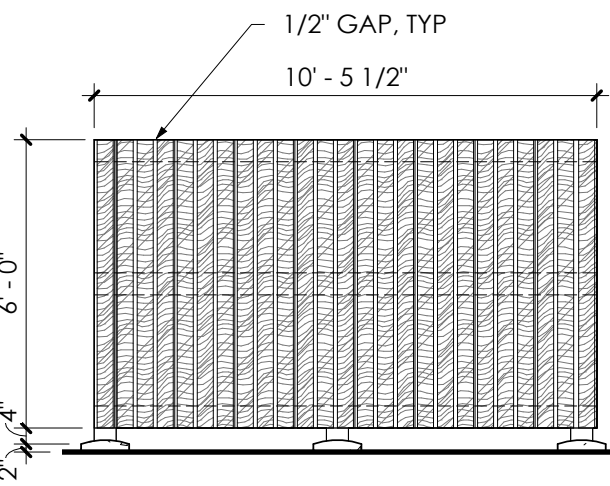
15 GATE ELEVATIONS
1/4" = 1'-0"



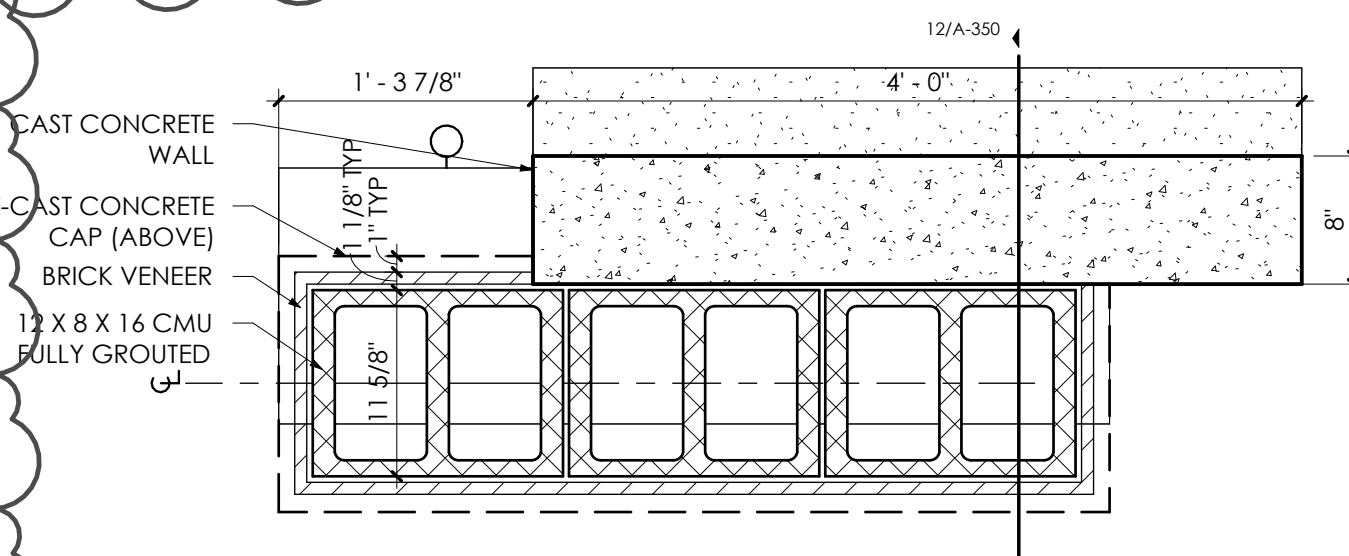
14 SCREEN SOUTH 2 SOUTH ELEVATION
1/4" = 1'-0"



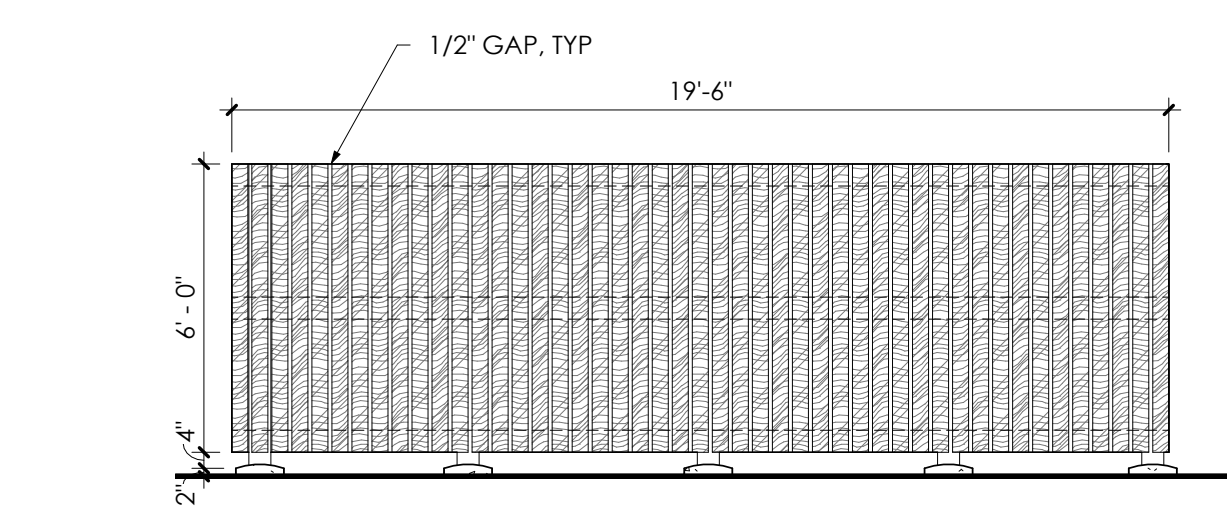
10 TYPICAL SCREEN DETAIL
3/4" = 1'-0"



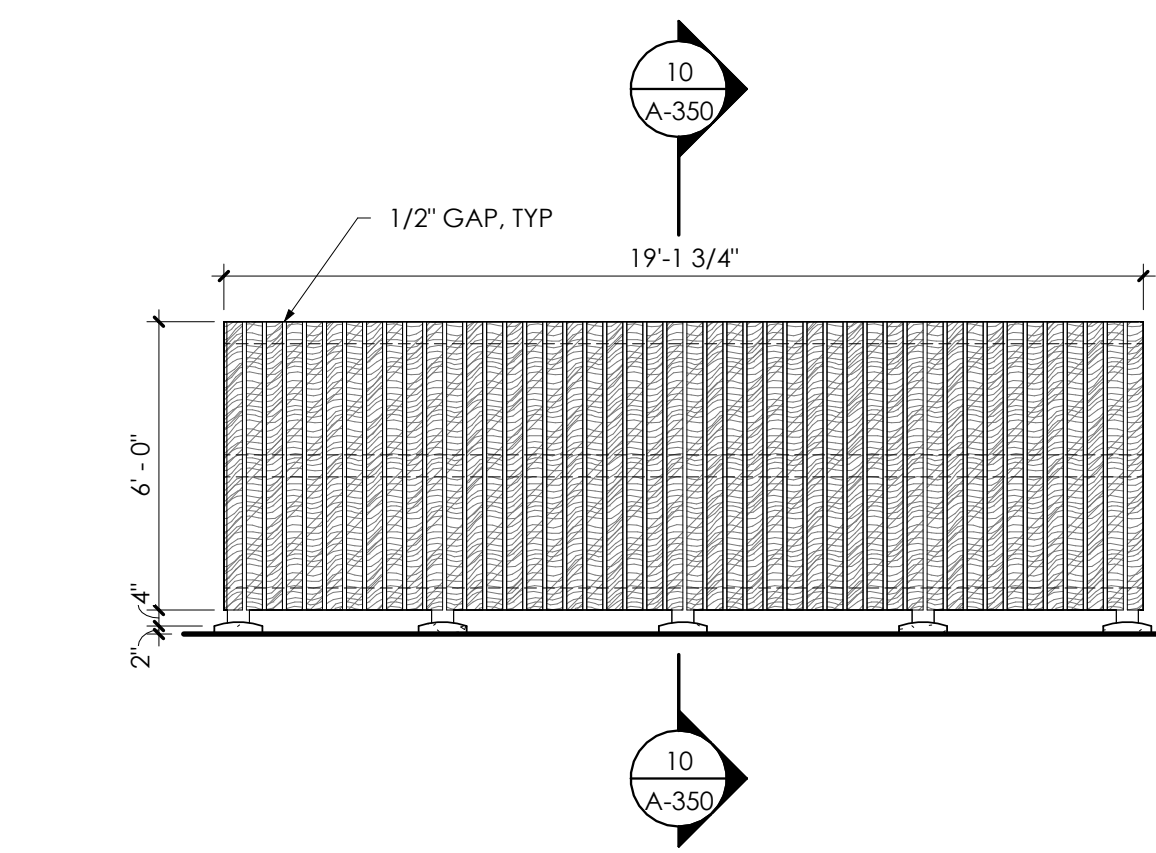
5 SCREEN SOUTH 2 WEST ELEVATION
1/4" = 1'-0"



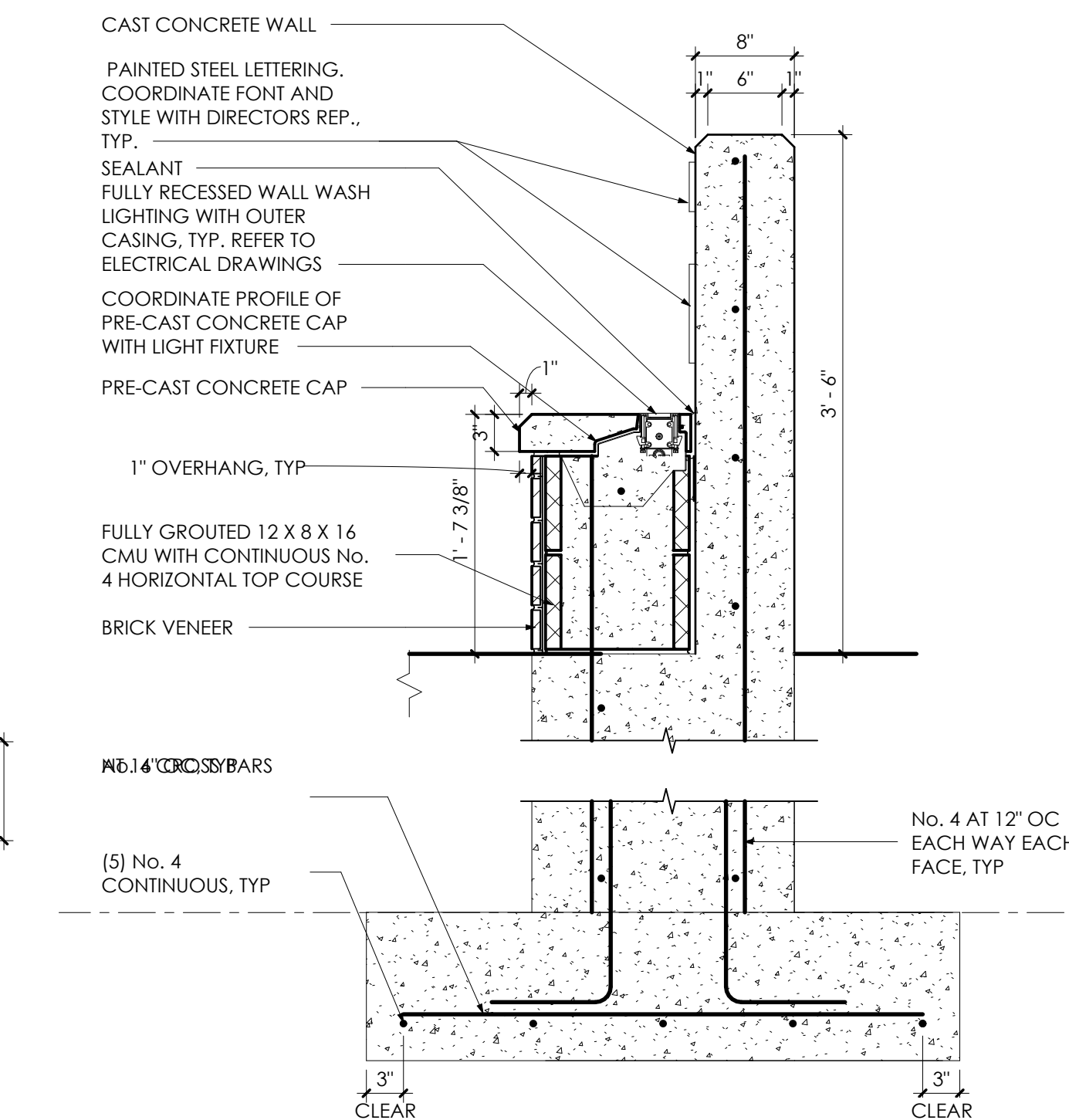
13 EXTERIOR SIGNAGE - PLAN SECTION DETAIL
1" = 1'-0"



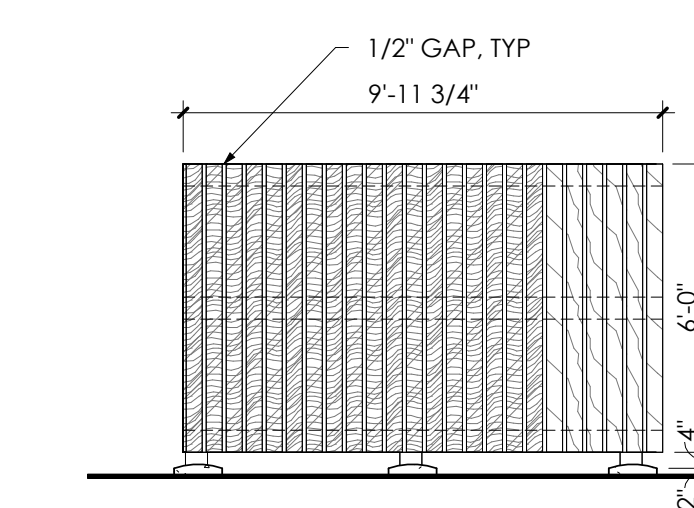
9 SCREEN SOUTH WEST ELEVATION
1/4" = 1'-0"



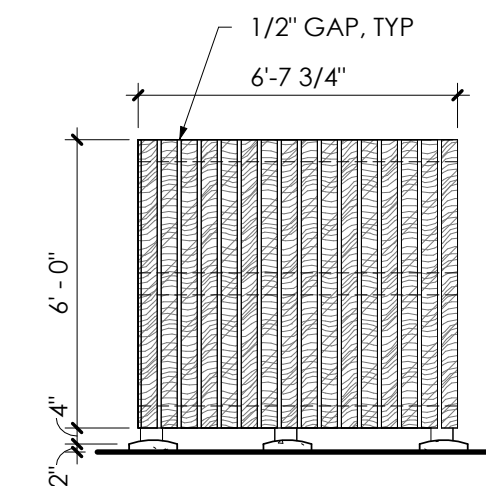
4 SCREEN NORTH WEST ELEVATION
1/4" = 1'-0"



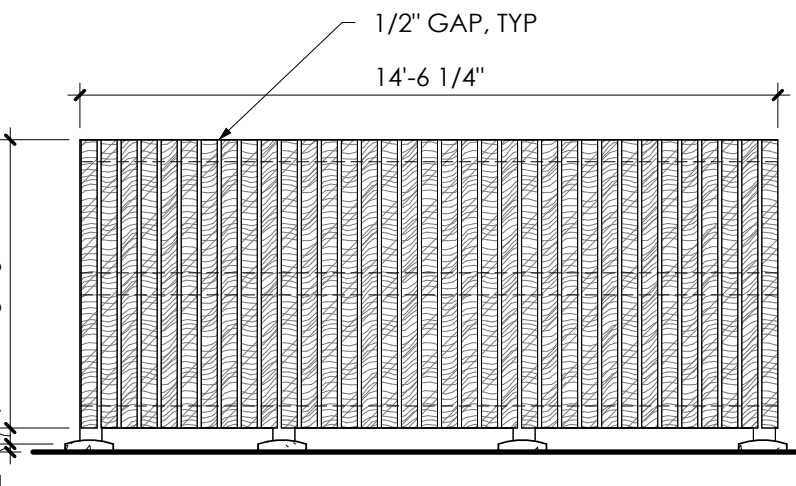
12 EXTERIOR SIGNAGE - SECTION DETAIL
1" = 1'-0"



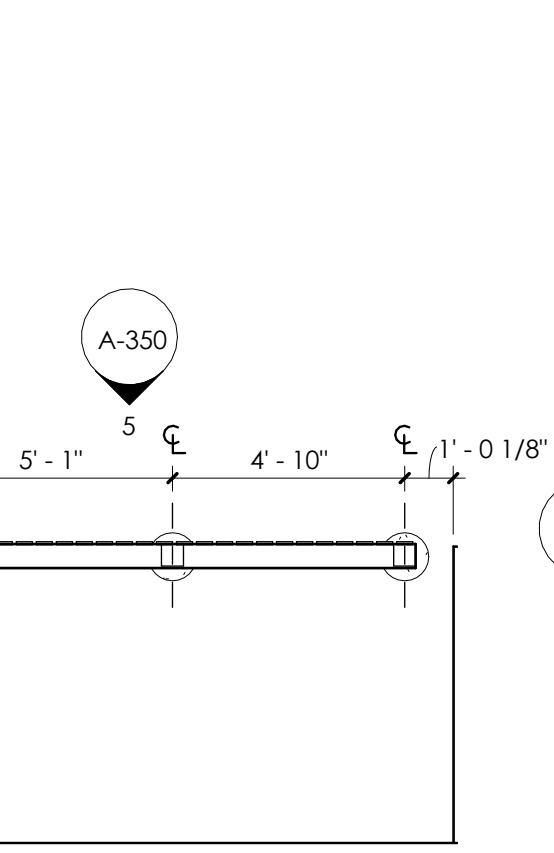
8 SCREEN SOUTH SOUTH ELEVATION
1/4" = 1'-0"



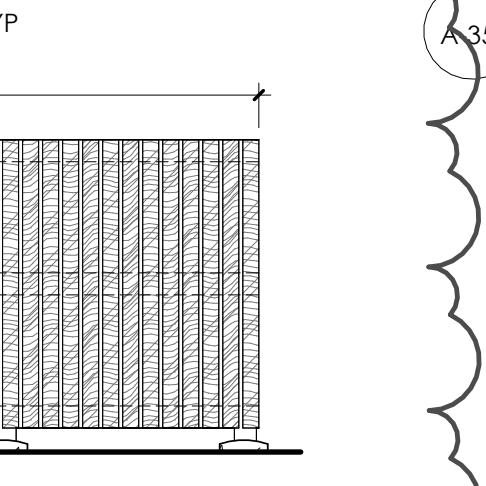
3 SCREEN NORTH SOUTH ELEVATION
1/4" = 1'-0"



2 SCREEN NORTH NORTH ELEVATION
1/4" = 1'-0"

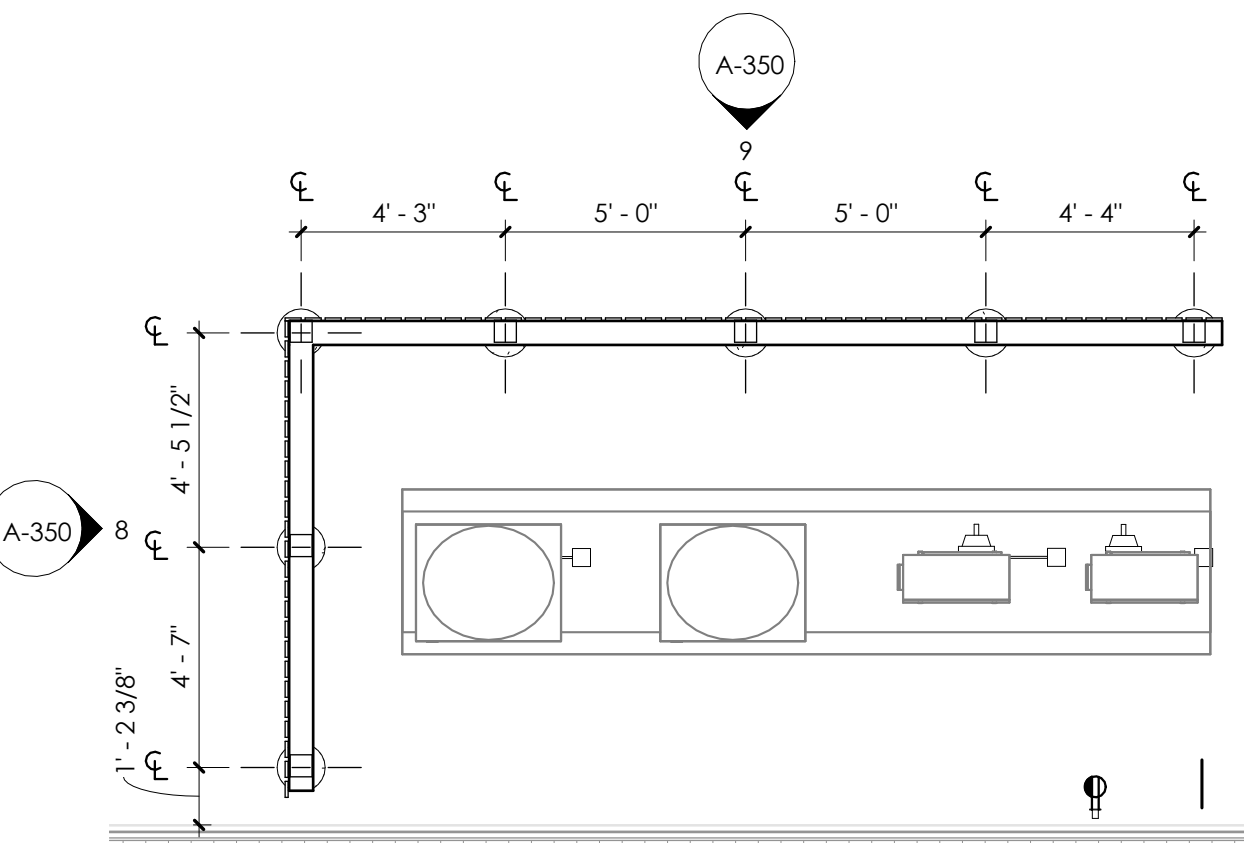


7 MECHANICAL SCREEN SOUTH 2
1/4" = 1'-0"

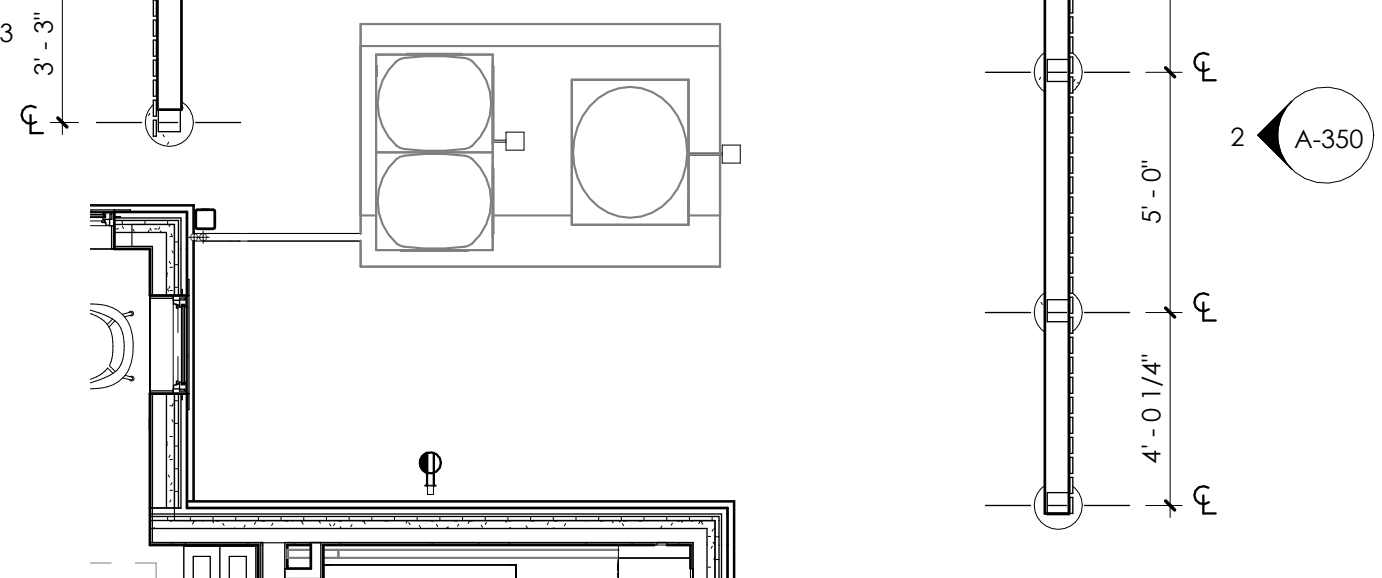


6 MECHANICAL SCREEN SOUTH
1/4" = 1'-0"

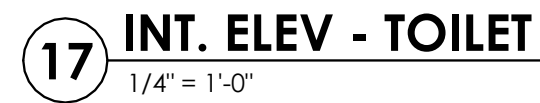
1 MECHANICAL SCREEN NORTH
1/4" = 1'-0"



11 EXTERIOR SIGNAGE - ELEVATION
1" = 1'-0"



1 MECHANICAL SCREEN NORTH
1/4" = 1'-0"



- A. DIMENSIONS ARE TO FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.
- B. DO NOT SCALE DRAWINGS OR DETAILS.
- C. COORDINATE WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES.
- D. PROTECT CONDITIONS AND MATERIALS WITHIN PROPOSED CONSTRUCTION AREA. DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL OR REMOVAL TASKS.
- E. PERFORM CUTTING, PATCHING, AND REPAIRING AS REQUIRED TO PERFORM WORK INDICATED ON DRAWINGS.
- F. REFER TO A-001 FOR WALL TYPES INFORMATION.
- G. SEE CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE.
- H. DOORS ARE LOCATED 6 INCHES FROM WALL UNLESS OTHERWISE NOTED.
- I. REFER TO A-003 FOR TYPICAL MOUNTING INFORMATION.
- J. CONTRACTOR TO ANCHOR ALL EXTERIOR FURNITURE TO CONCRETE SLAB. ARCHITECT TO REVIEW AND CONFIRM ANCHORING DETAIL BASED ON FINAL FURNITURE SELECTION AND MANUFACTURERS RECOMMENDATIONS.

103 PROVIDE ADA SOLID SURFACE SINK. REFER TO PLUMBING DRAWINGS

106 PROVIDE MOP SINK. REFER TO PLUMBING DRAWINGS

108 WALL MOUNTED MOP HOLDER. OWNER FURNISHED OWNER INSTALLED. PROVIDE BLOCKING

140 SLOPE SLAB TO DRAIN. REFER TO STRUCTURAL DRAWINGS

164 FLOOR DRAIN REFER TO PLUMBING DRAWINGS

163 SHELFF, PROVIDE BLOCKING

251 CUSHIONING PAD. REFER TO ELECTRICAL DRAWINGS WALL BASE. REFER TO BOB AND FINISH PLANS

301 PROVIDE WALL MOUNTED TOILET. REFER TO PLUMBING DRAWINGS

402 PROVIDE FLUSHOMETER. REFER TO PLUMBING DRAWINGS

403 PROVIDE HAND DRYER. REFER TO ELECTRICAL DRAWINGS

404 PROVIDE GRAB BAR

405 PROVIDE TOILET PAPER DISPENSER

406 PROVIDE WALL MOUNTED SHOWER BENCH

407 PROVIDE SANITARY WASTE DISPOSAL

408 PROVIDE MIRROR

409 PROVIDE SHOWER FIXTURES AND CONTROLS, REFER TO PLUMBING DRAWINGS

410 PROVIDE COUNTER MOUNTED SOAP DISPENSER, REFER TO PLUMBING DRAWINGS

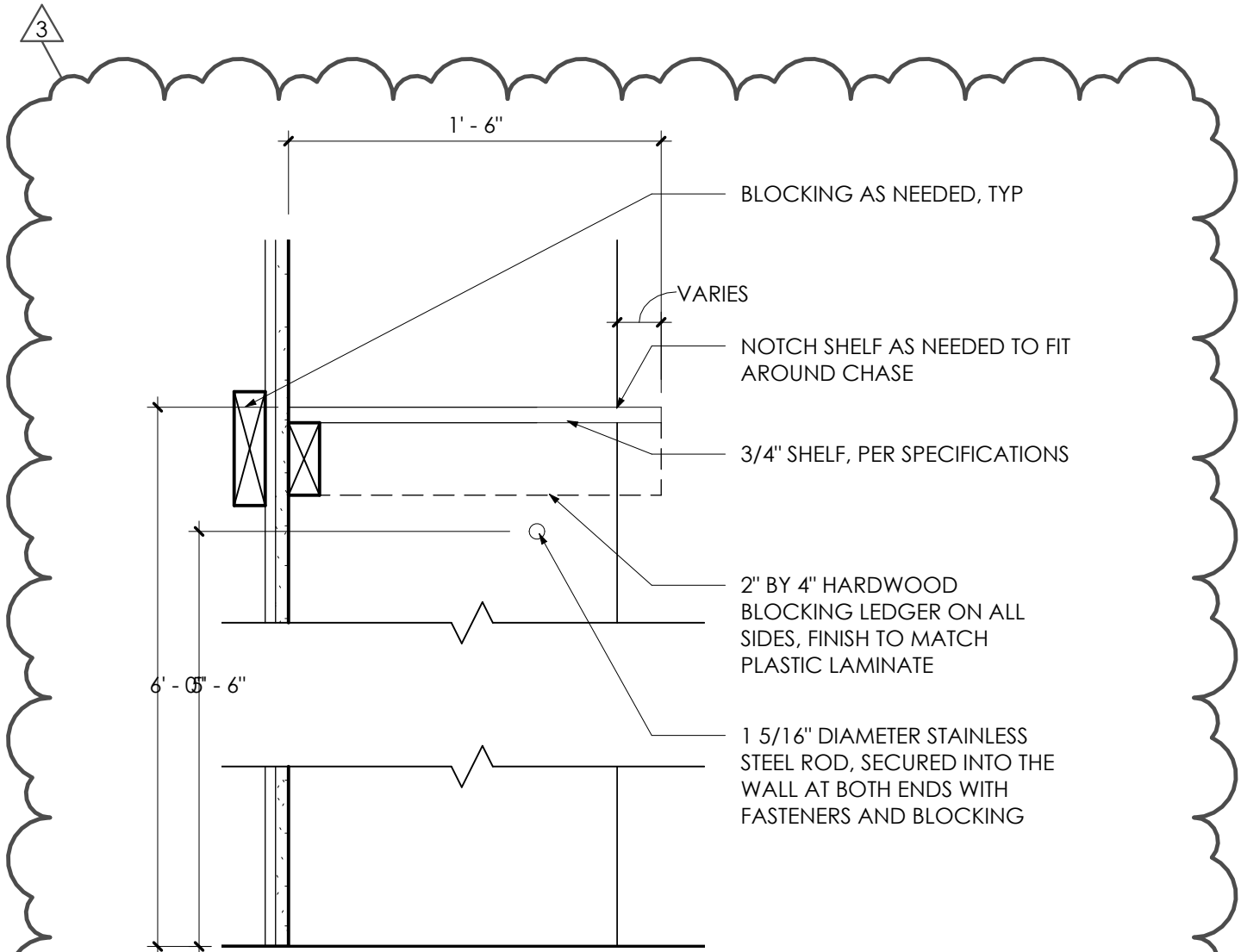
411 PROVIDE PRE-MANUFACTURED ADA SINK UNIT AND BLOCKING PER MANUFACTURER'S RECOMMENDATIONS; REFER TO DETAIL 101A-703 FOR TYPICAL BLOCKING INSTALLATION (REFERENCE ONLY)

412 PROVIDE FAUCET

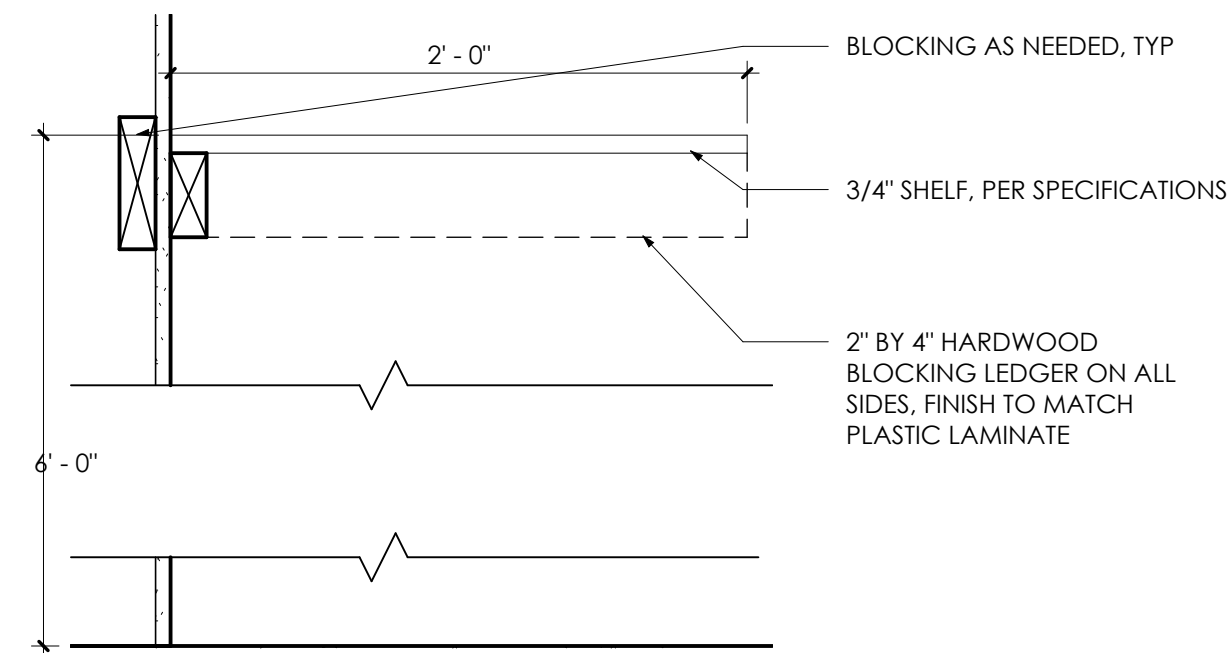
413 PROVIDE WALL RECESSED WASTE RECEPTACLE

414 PROVIDE TOWEL HOOK

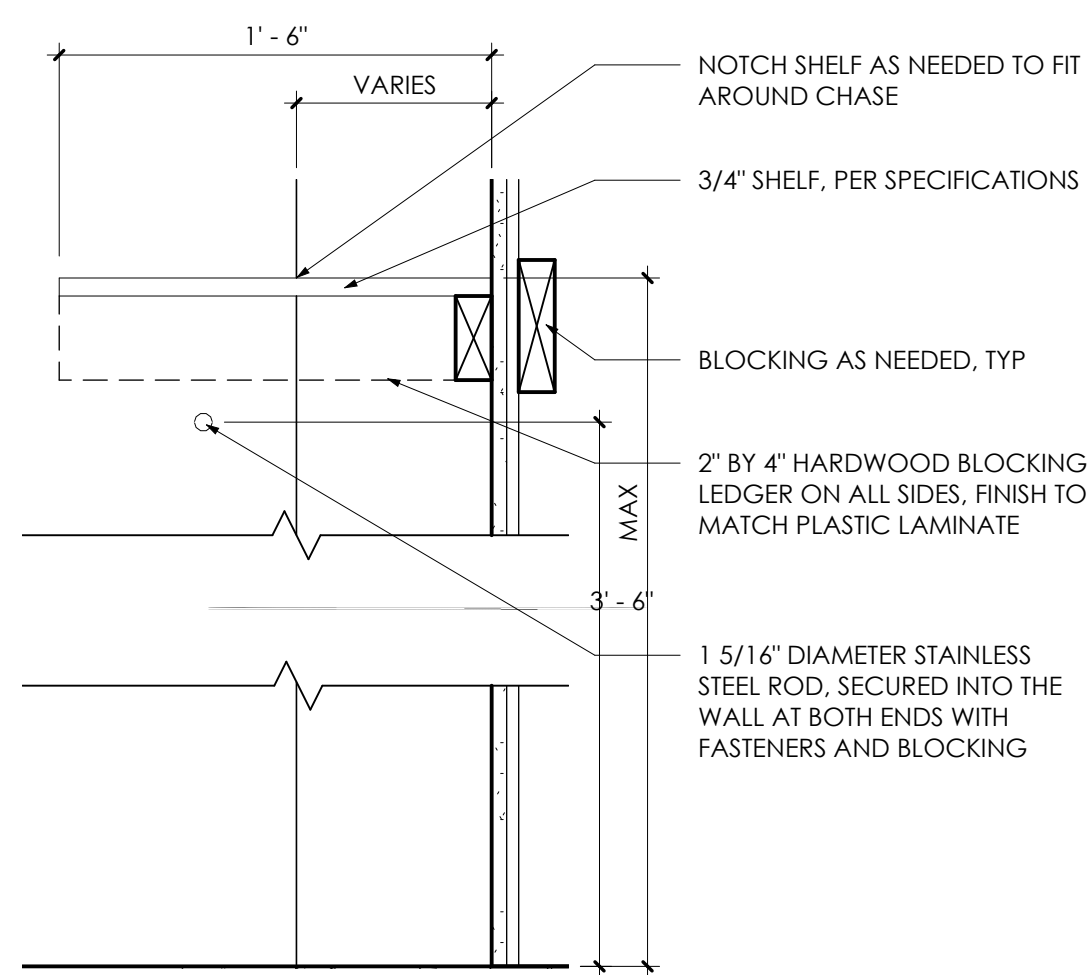




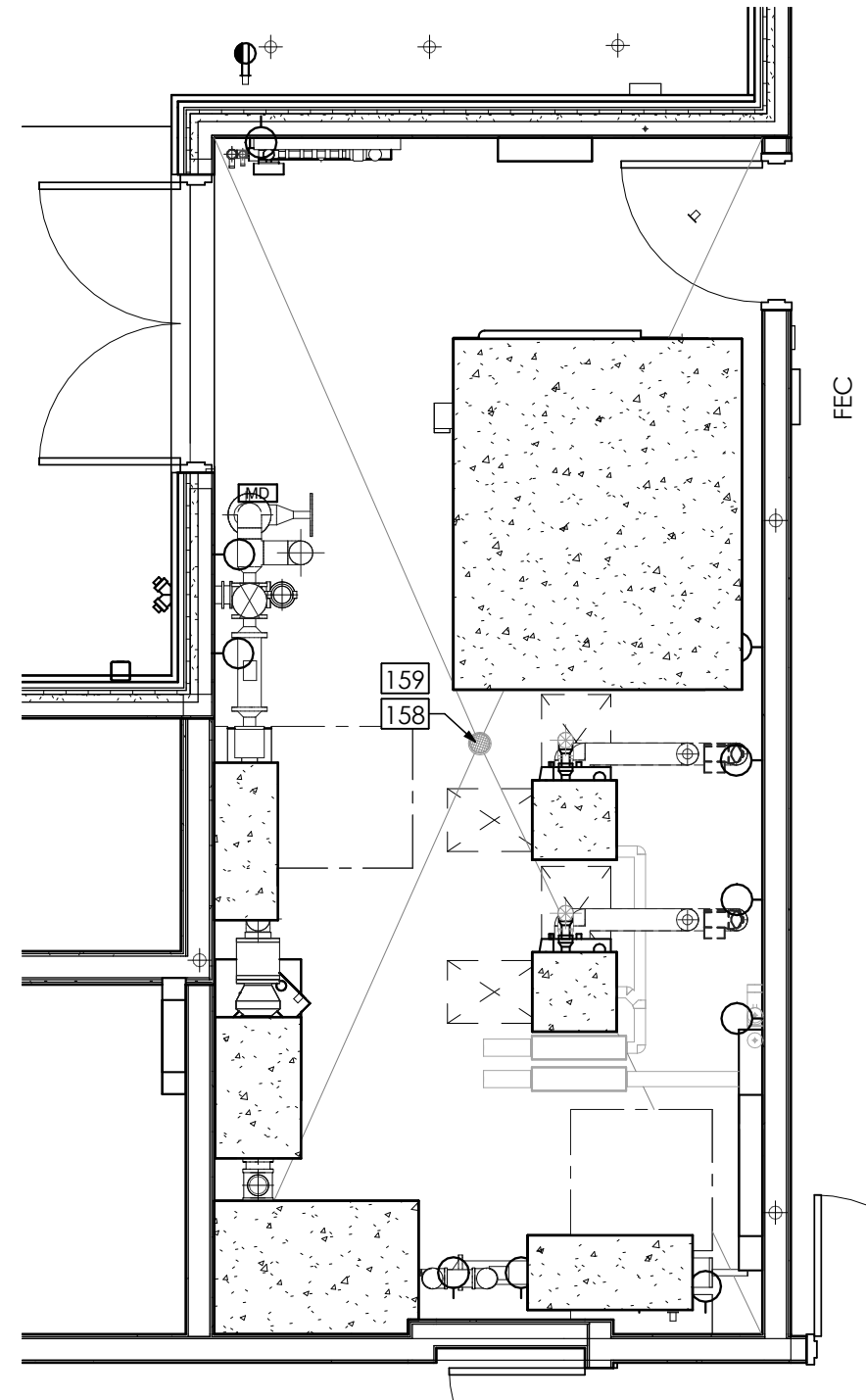
10 TYPICAL CLOTHING ROD AND SHELF
1 1/2" = 1'-0"



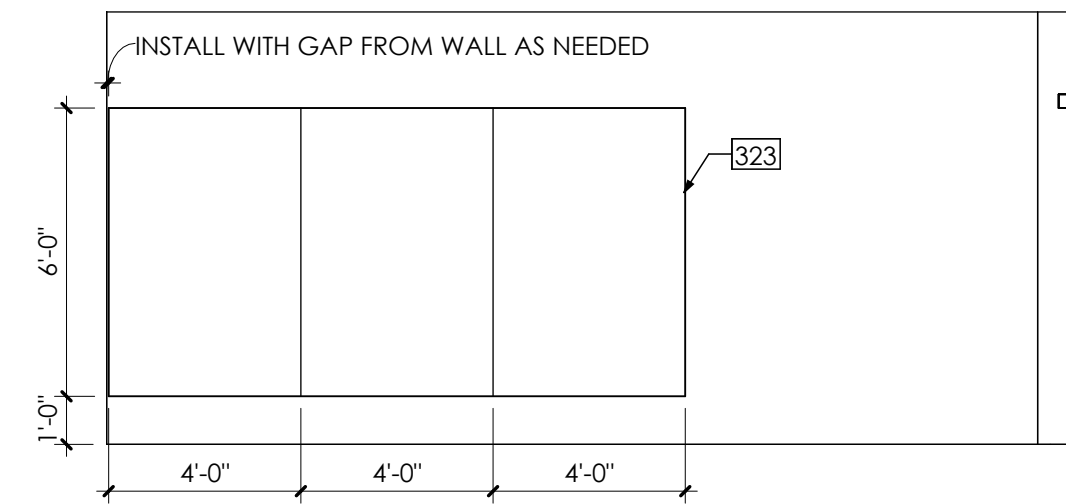
9 TYPICAL MULTIPURPOSE SHELF
1 1/2" = 1'-0"



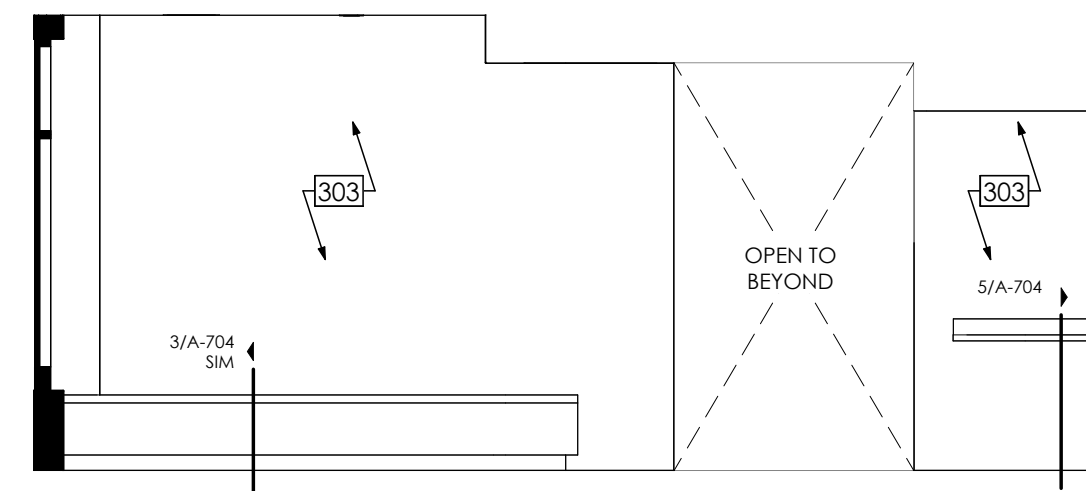
8 TYPICAL CLOTHING ROD AND SHELF - ADA BEDROOM
1 1/2" = 1'-0"



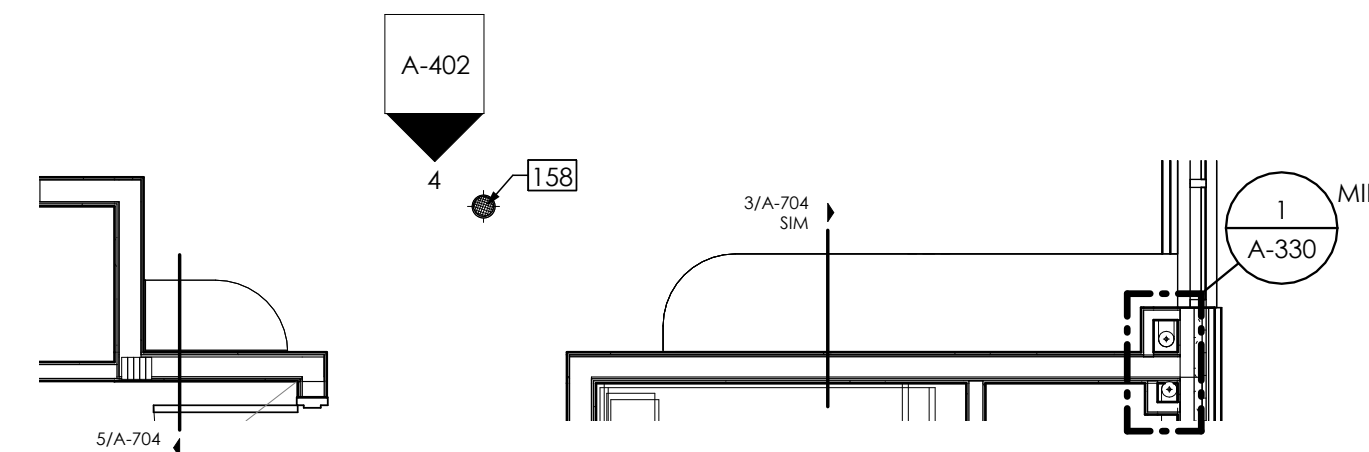
7 ENLARGED FLOOR PLAN - MECHANICAL ROOM
1/4" = 1'-0"



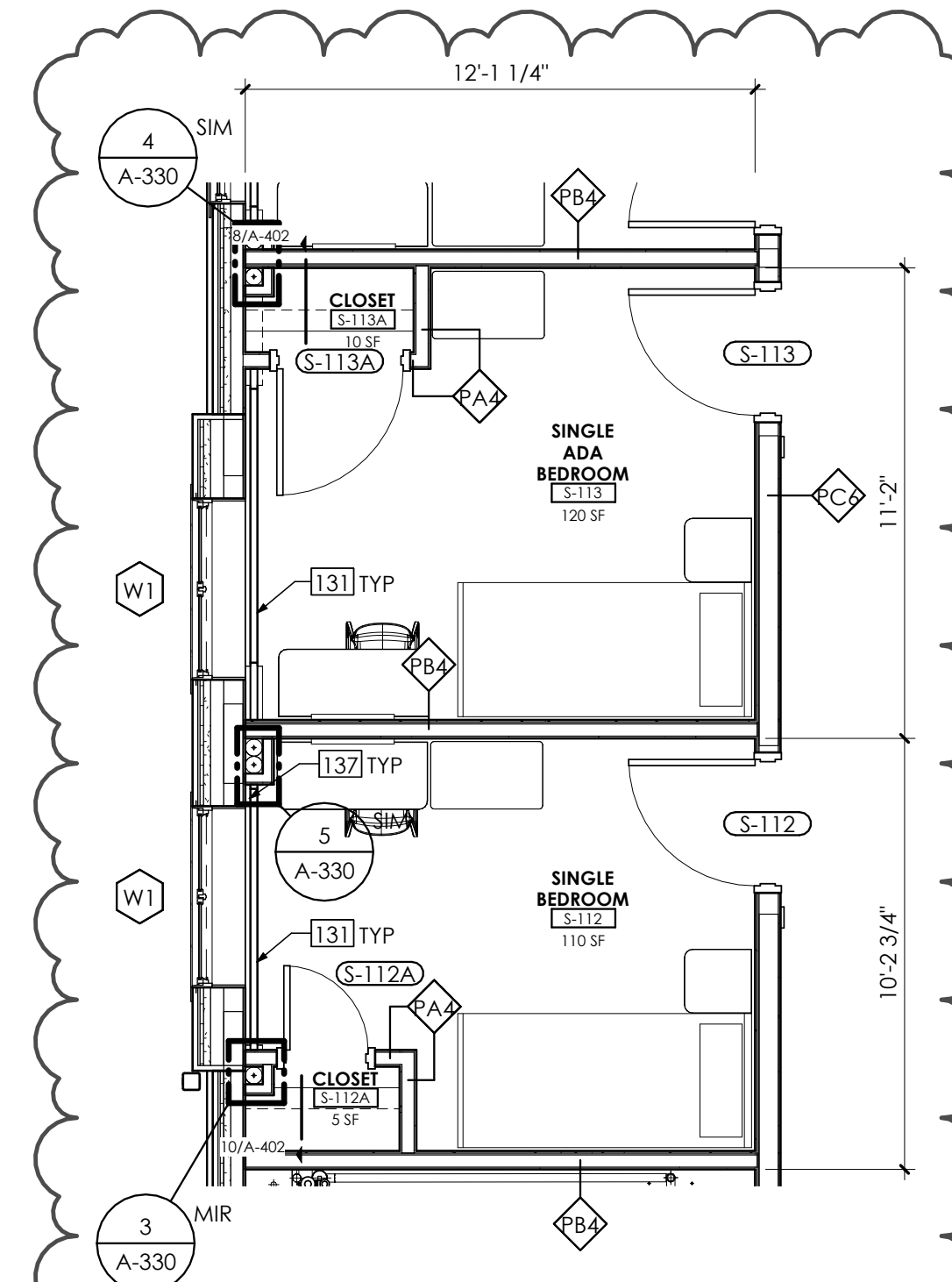
6 INTERIOR ELEVATION - EXERCISE ROOM
1/4" = 1'-0"



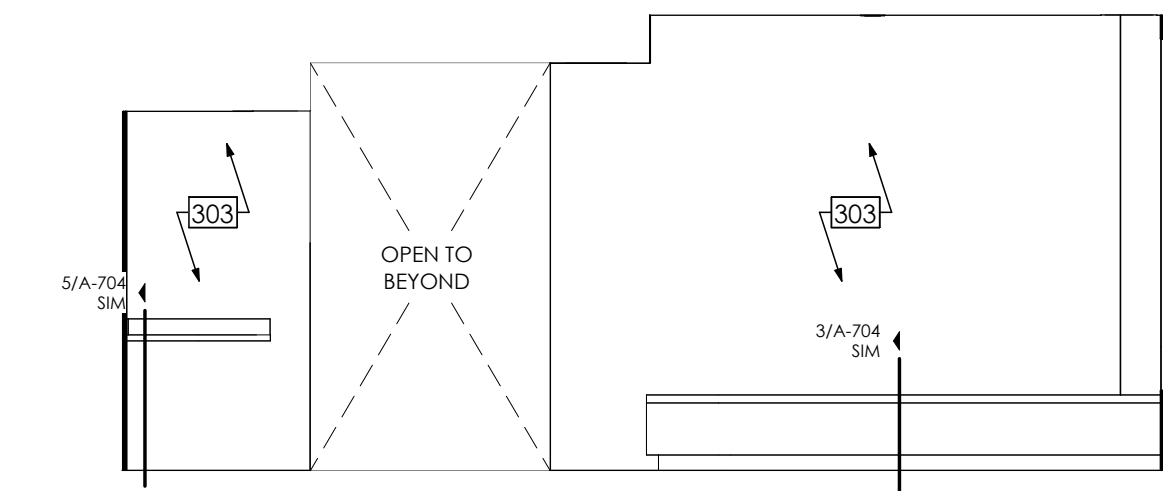
4 WINDOW SEAT - NORTH
1/4" = 1'-0"



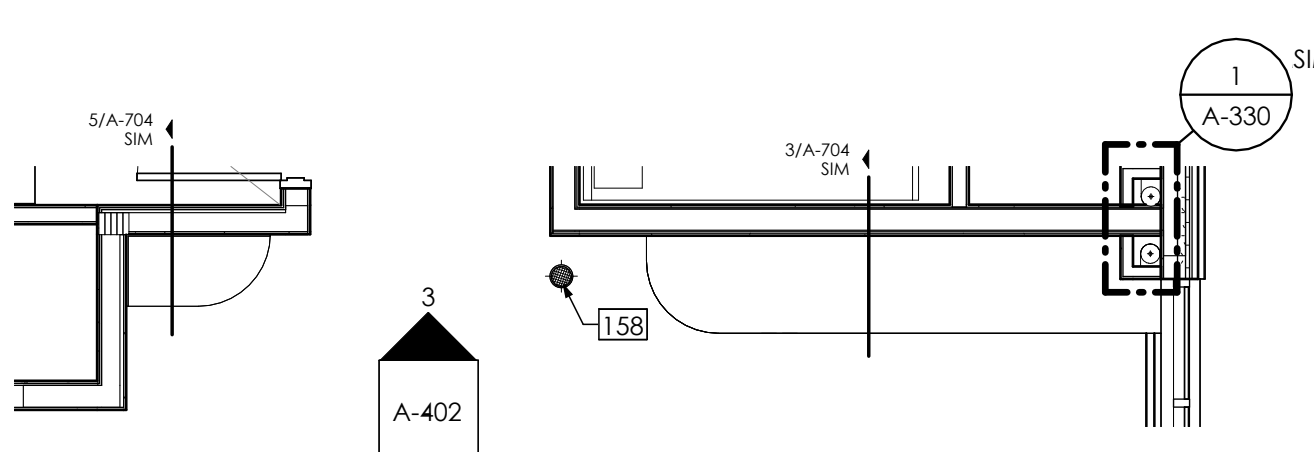
2 WINDOW SEAT - NORTH
1/4" = 1'-0"



5 TYPICAL ENLARGED BEDROOMS PLAN
1/4" = 1'-0"



3 WINDOW SEAT - SOUTH
1/4" = 1'-0"



1 WINDOW SEAT - SOUTH
1/4" = 1'-0"

GENERAL NOTES

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DRAWING NOTES

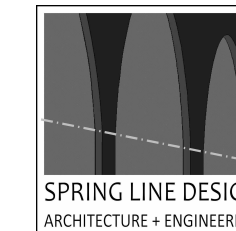
- STEEL RADIANT CONVECTIVE BASEBOARD WITH INTEGRAL COVER. REFER TO MECHANICAL DRAWINGS AND PANEL RADIATOR SCHEDULE FOR LOCATIONS, LENGTHS, STYLES, AND ACCESSORIES
- THICKENED WALL, SEE DETAILS
- 4 INCH CLEANOUT DRAIN PIPE, REFER TO PLUMBING DRAWINGS
- FLOOR DRAIN, REFER TO PLUMBING DRAWINGS
- WC1, REFER TO BASIS OF DESIGN. PROVIDE CUSTOM WALL COVERING GRAPHIC AND PROVIDE LEVEL 5 WALL FINISH PRIOR TO INSTALLATION; VERIFY WITH DIRECTOR'S REPRESENTATIVE FOR FINAL SELECTION AND PLACEMENT OF GRAPHIC
- WALL-MOUNTED MIRROR

CONSULTANT:

CERTIFICATE OF AUTHORIZATION: 1127432

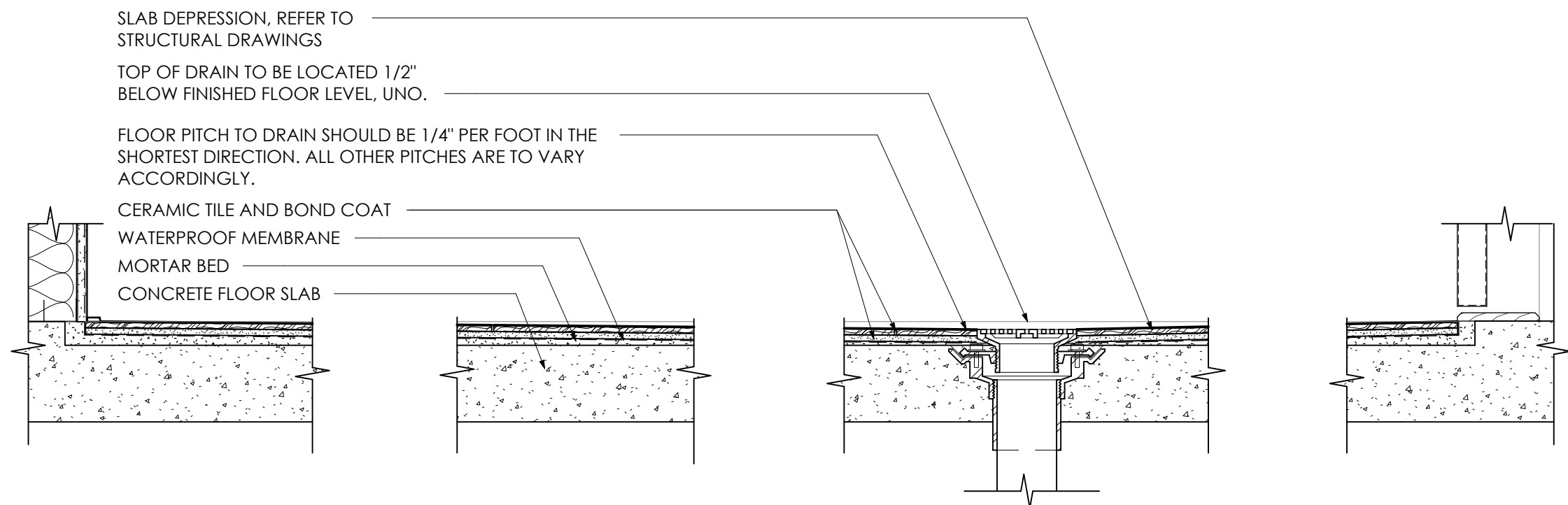


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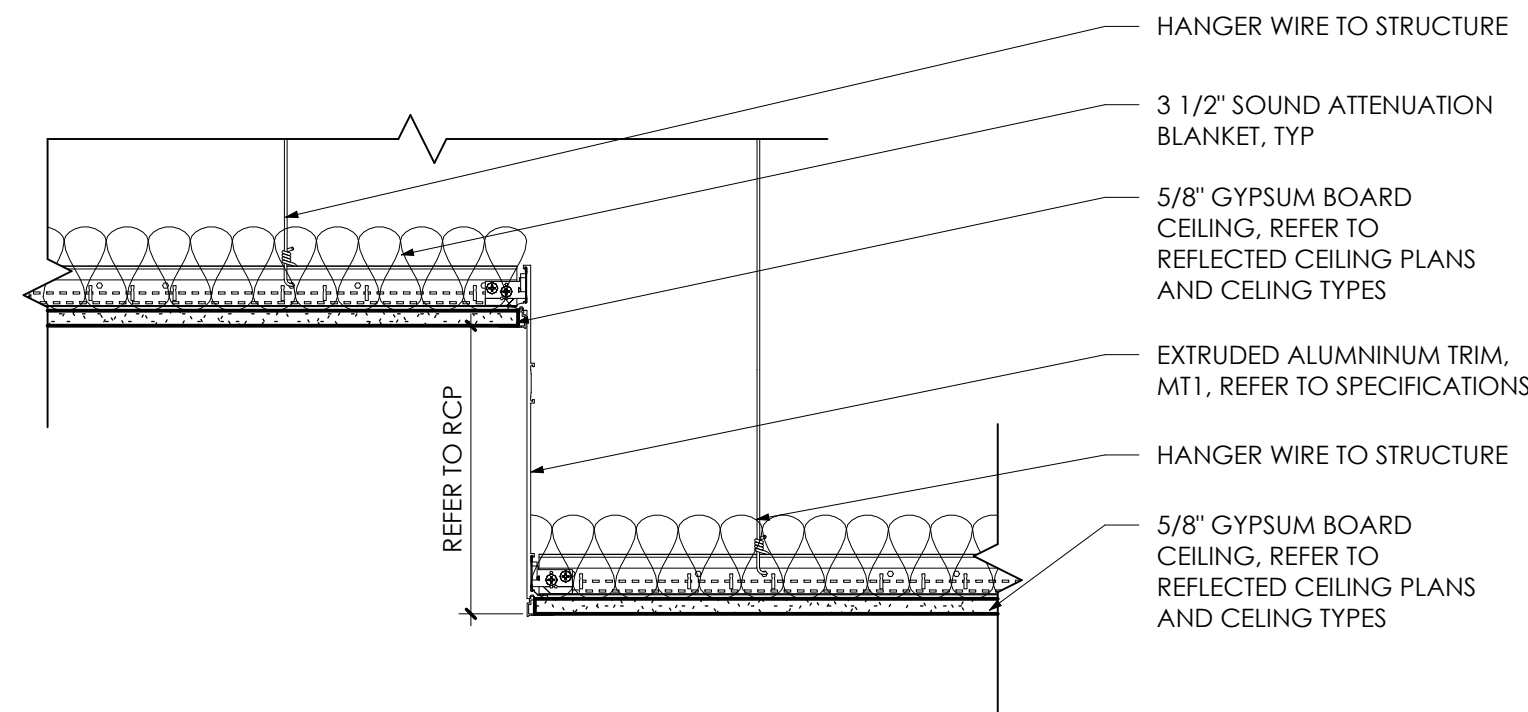


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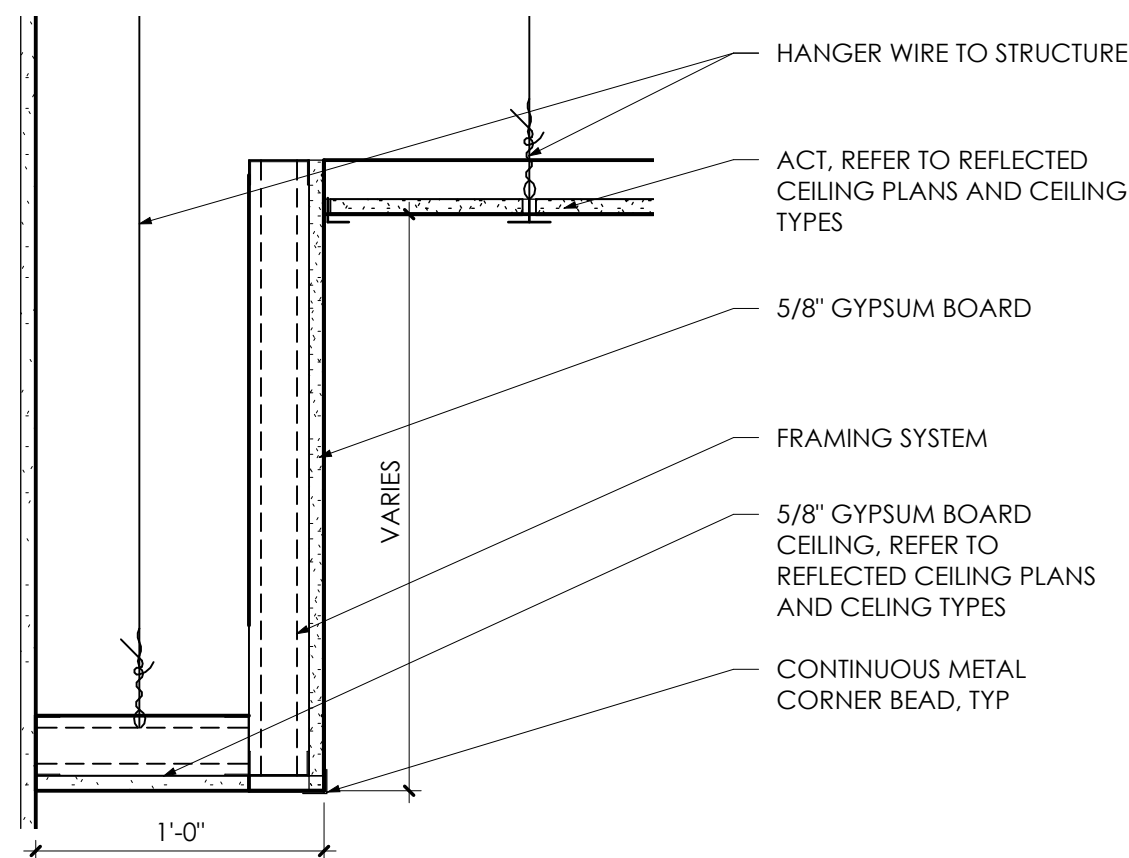
Practical solutions. exceptional service.



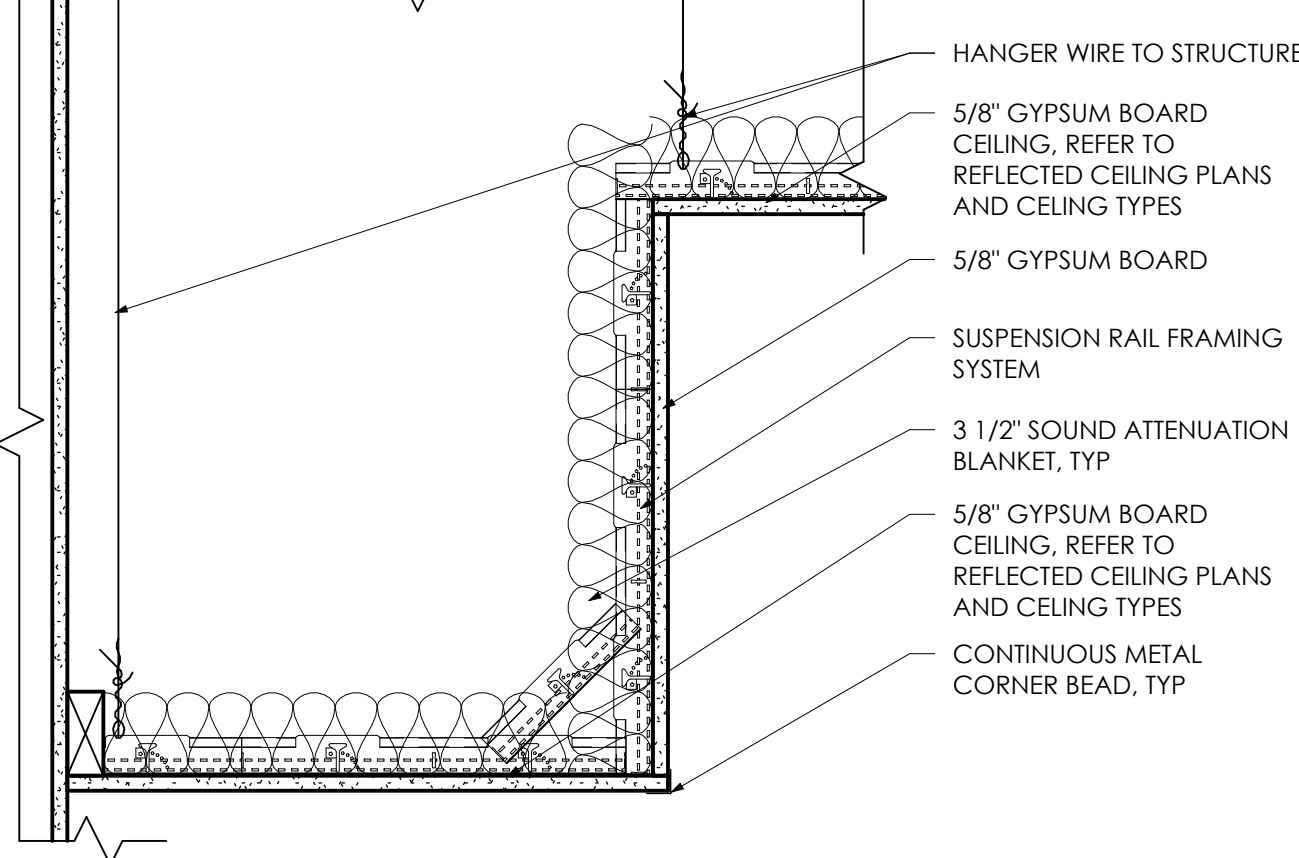
9 SECTION DETAIL - TYPICAL SLAB RECESS
1 1/2" = 1'-0"



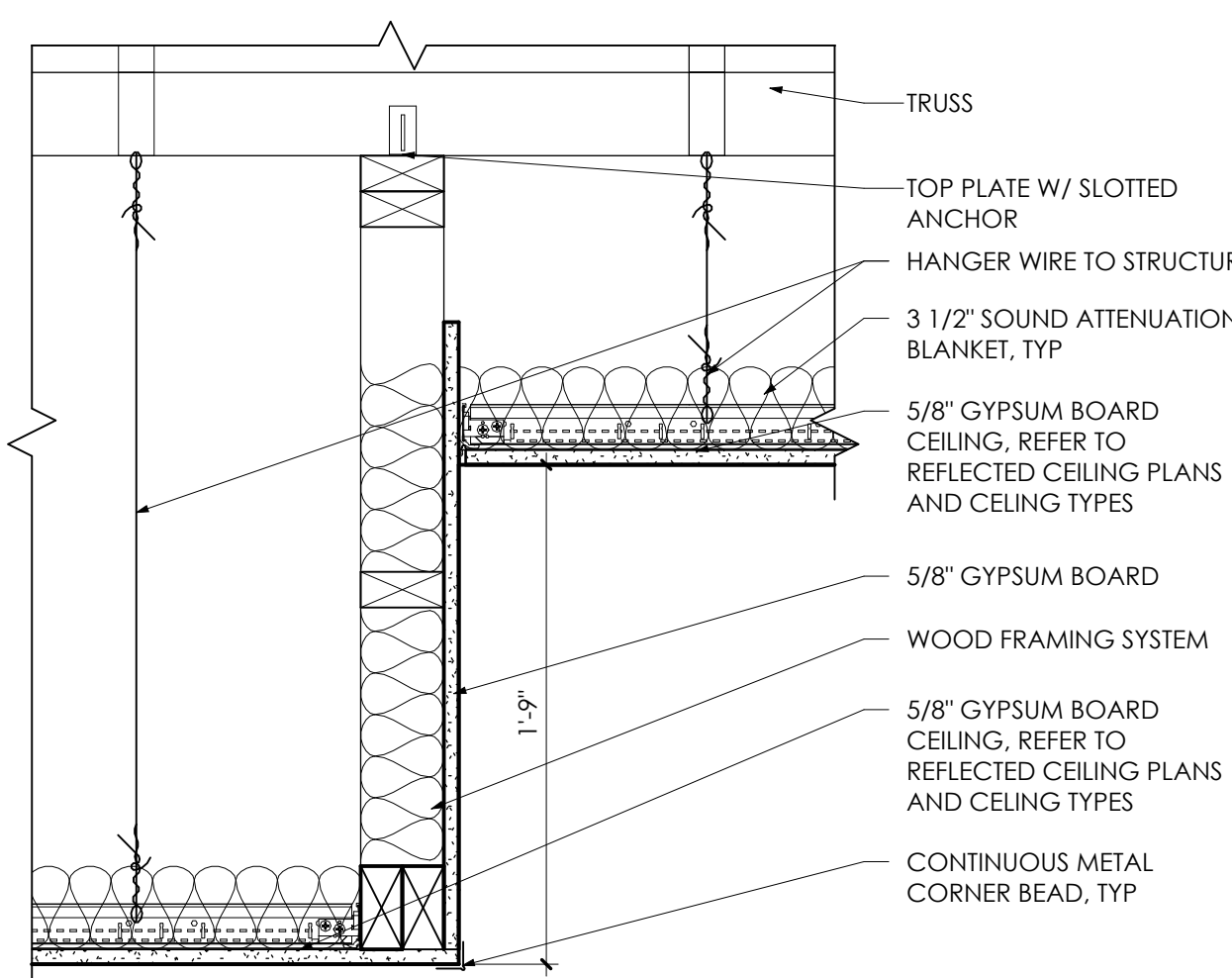
8 TYPICAL CEILING EXRTUDED ALUMNINUM TRIM TRANSITION
1 1/2" = 1'-0"



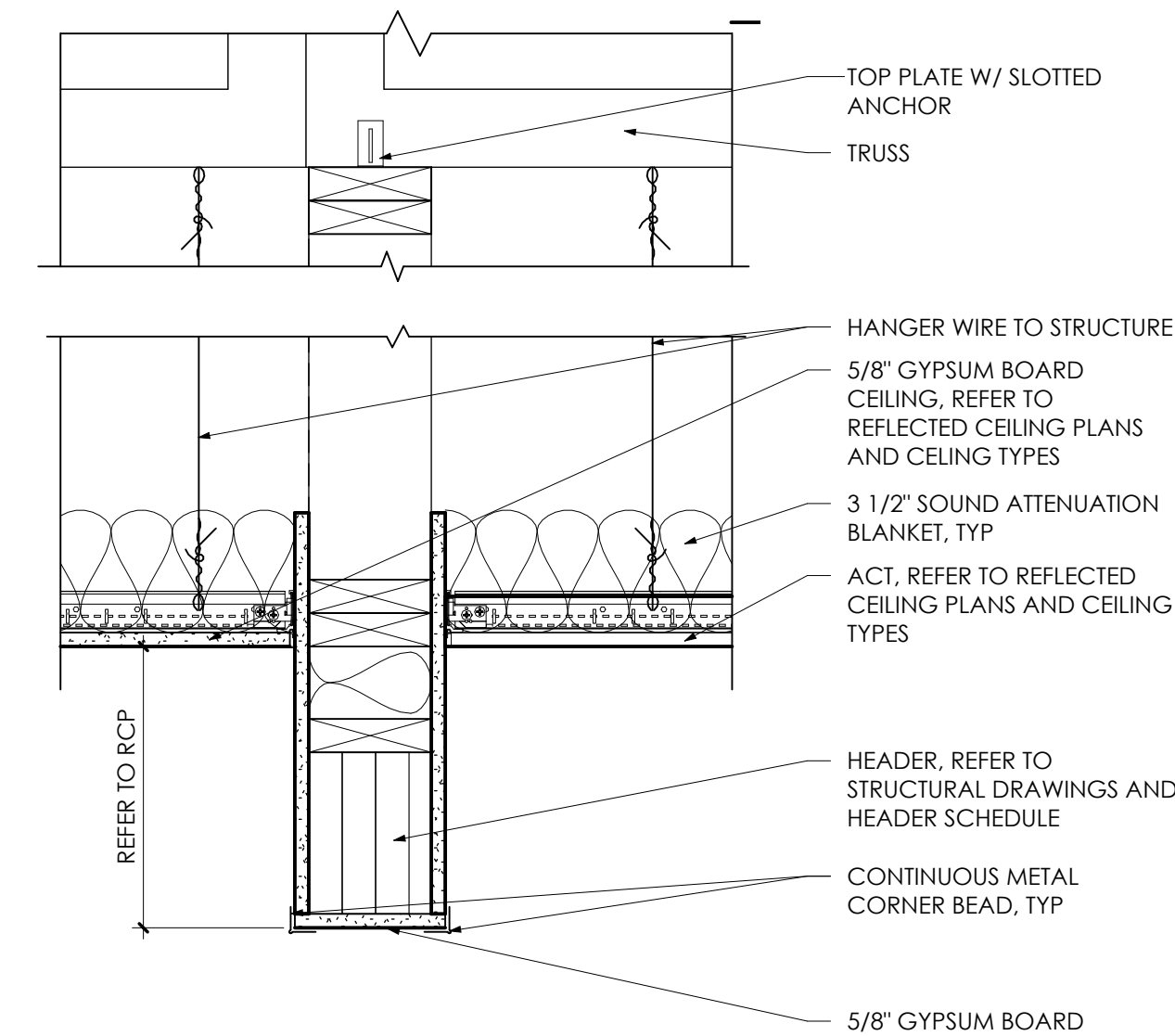
10 TYPICAL SOFFIT DETAIL
1 1/2" = 1'-0"



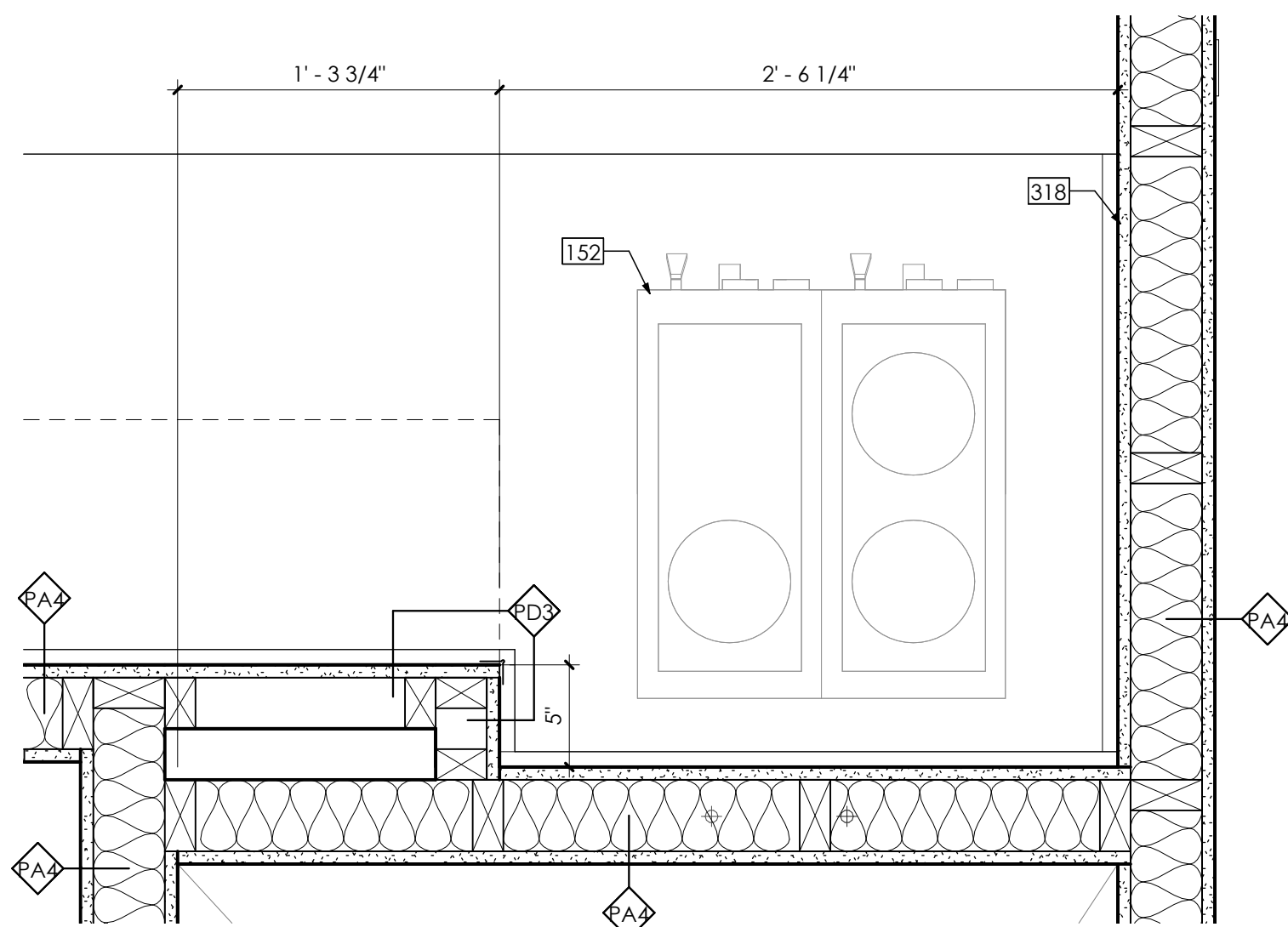
6 TYPICAL SOFFIT DETAIL
1 1/2" = 1'-0"



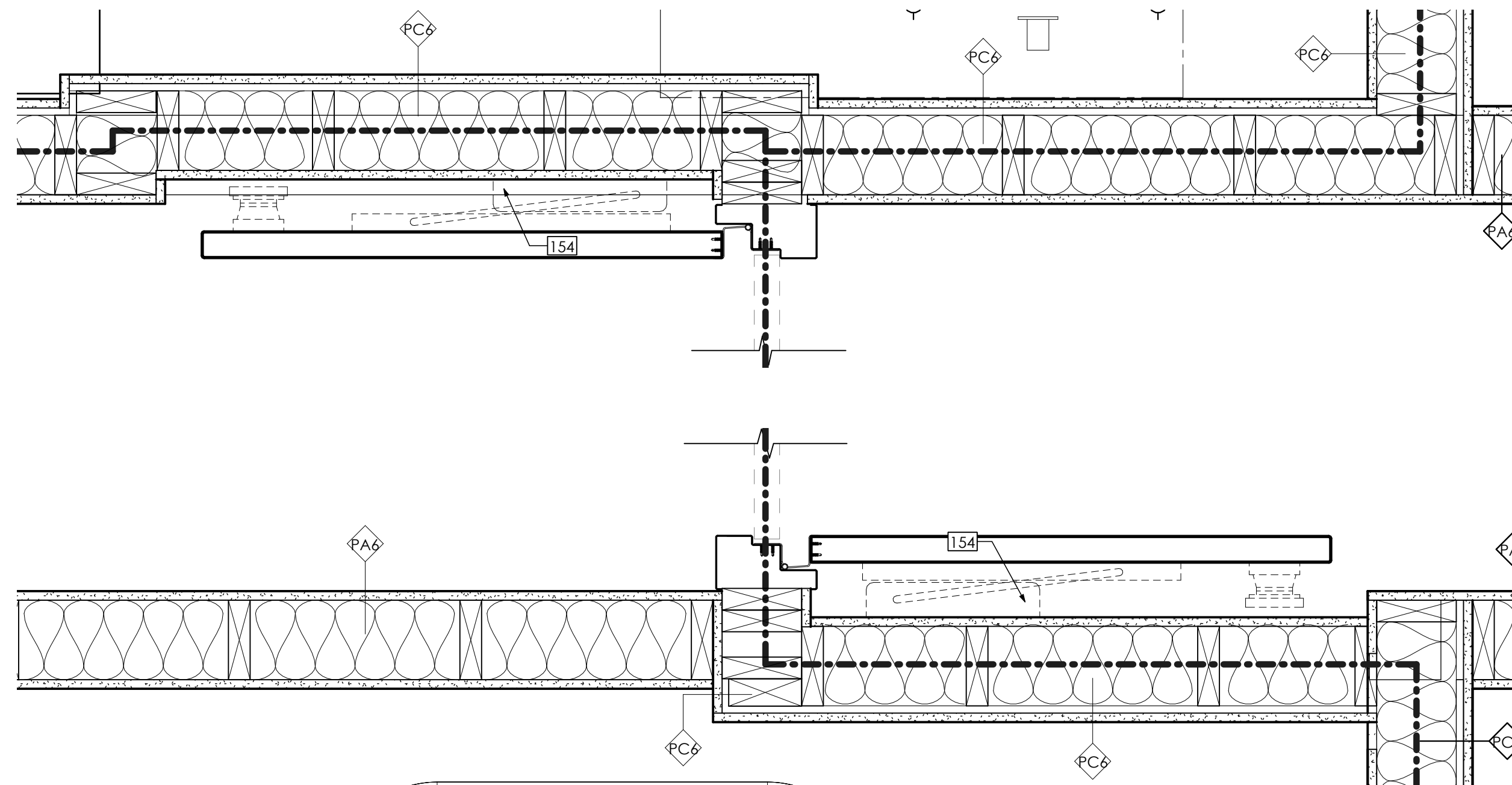
5 TYPICAL CEILING TRANSITION - ENTRY CORRIDOR
1 1/2" = 1'-0"



4 BULKHEAD DETAIL
1 1/2" = 1'-0"



2 KITCHEN COUNTER COFFEE NOOK DETAIL
1 1/2" = 1'-0"



1 DOUBLE DOOR WITH HOLD OPEN DETAIL
1 1/2" = 1'-0"

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DRAWING NOTES

- DUAL POT COFFEE MAKER, OWNER PROVIDED (NOT IN SCOPE). REFER TO PLUMBING AND ELECTRICAL DRAWINGS
- PROVIDE AUTOMATIC DOOR CLOSER/HOLD OPEN TIED INTO LIFE SAFETY SYSTEM. REFER TO ELECTRICAL DRAWINGS
- SOLID SURFACE BACKSPLASH TO RETURN ALONG WALL TO EXTENTS OF COUNTERTOP. REFER TO BASIS OF DESIGN

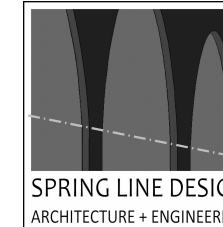
CONSULTANT:

CERTIFICATE OF AUTHORIZATION: 1127432



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WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



WE HEREBY AFFIRM THAT TO THE BEST OF OUR KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE AND THE 2020 NEW YORK STATE UNIFORM BUILDING CODE.

REGISTRATION EXP. 12/31/2026

CONTRACT:

CONSTRUCTION

TITLE:
PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER

LOCATION:
80-45 WINCHESTER BLVD
QUEENS VILLAGE, NY

CLIENT:
OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION
3	06/12/2026	ADDENDUM 3
10/17/2025		BID DOCUMENTS

PROJECT NUMBER: 47688-C
DESIGNED BY: KCG | JDD
DRAWN BY: KCG
FIELD CHECK:
APPROVED:
SHEET TITLE:

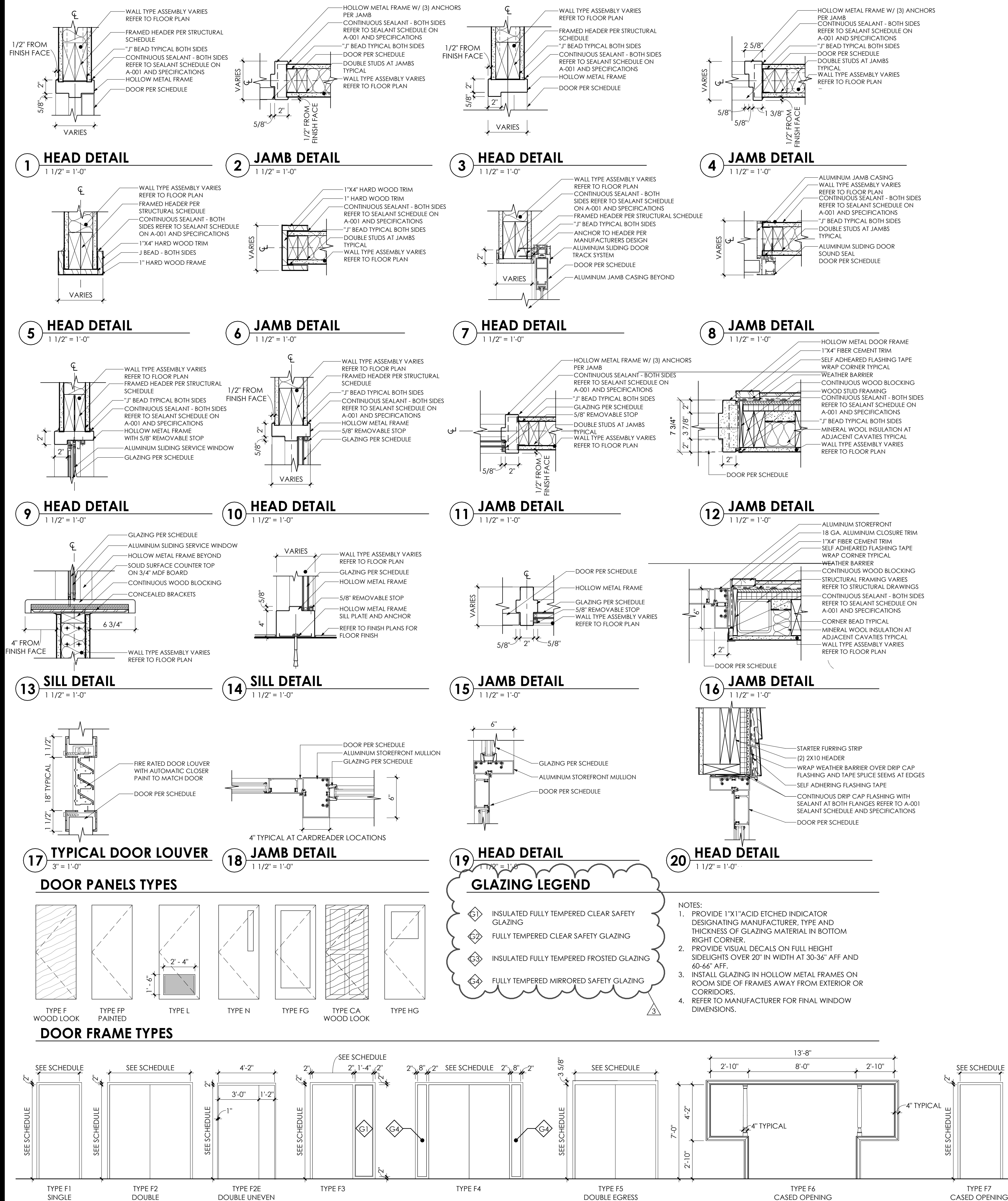
INTERIOR PLAN, CEILING,
AND MISCELLANEOUS
DETAILS

DRAWING NUMBER:

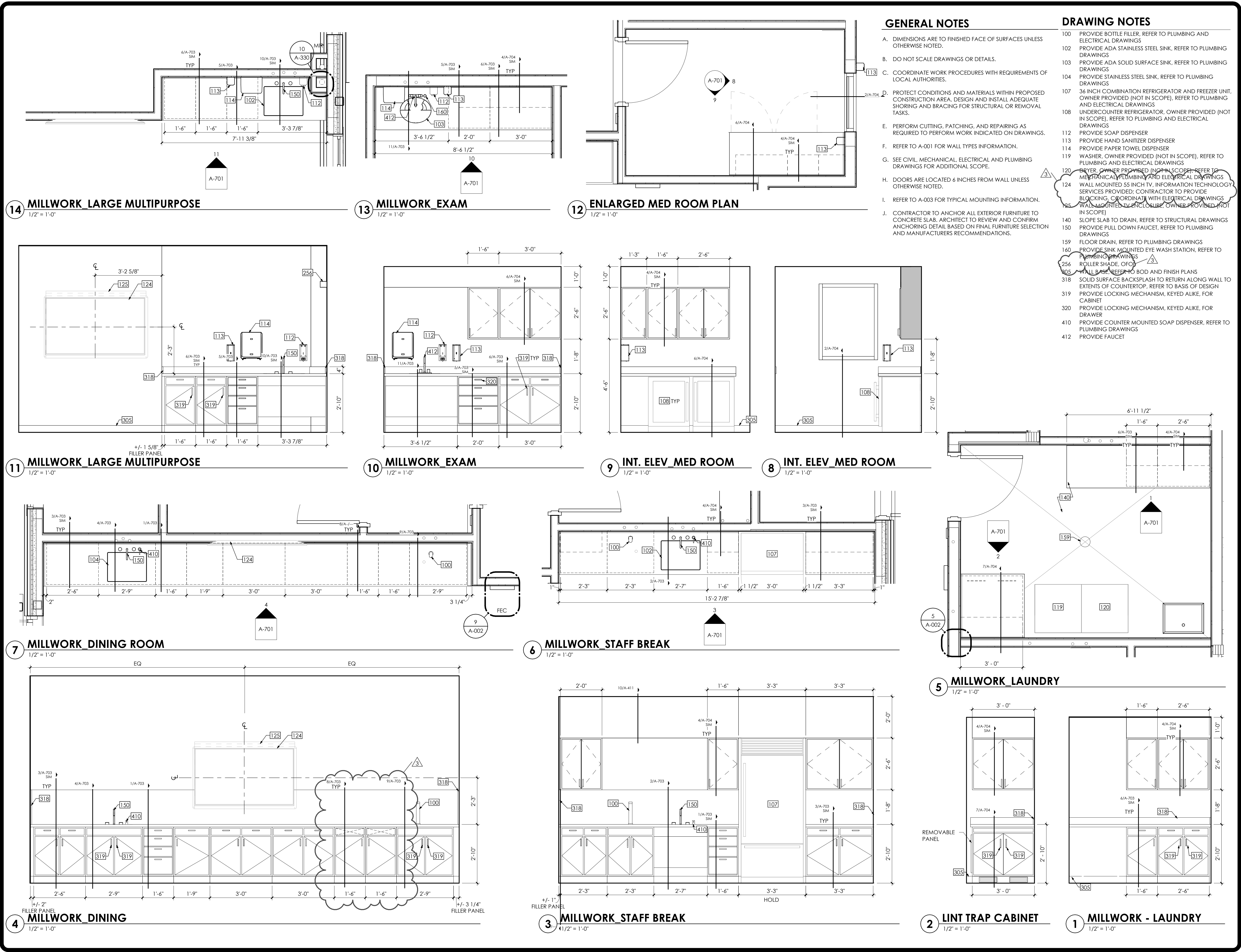
A-411

SHEET

OF



DOOR SCHEDULE													
DOOR NUMBER	DOOR			DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	FRAME		SILL DETAIL	FIRE RATING (MINS)	HARDWARE	
	WIDTH	HEIGHT	THICKNESS					HEAD DETAIL	JAMB DETAIL				
AT1C-1	4'-2"	6'-8"	1 3/4"	FP	HM	F2E	HM	1/A-600	2/A-600	-		21	
C01	3'-4"	7'-0"	1 3/4"	FG	ALUMN	F3	ALUMN	20/A-600	16.18/A-600	1/A-321		1.0	
C01A	3'-4"	7'-0"	1 3/4"	FG	ALUMN	F3	ALUMN	19/A-600	16.18/A-600	-		3.0	
C02	3'-6"	7'-0"	1 3/4"	F	HM	F1	HM	15/A-320	15/A-600	14/A-320		26.0	
C-100	3'-0"	7'-0"	1 3/4"	N	HM	F1	HM	1/A-600	2/A-600	TR1/A-800		4.0	
C-100A	3'-0"	7'-0"	1 3/4"	F	HM	F2	HM	1/A-600	2/A-600	-		6.0	
C-101	3'-0"	7'-0"	1 3/4"	HG	HM	F1	HM	1/A-600	2/A-600	TR1/A-800		4.0	
C-101A	3'-0"	7'-0"	1 3/4"	N	HM	F1	HM	1/A-600	2/A-600	-		7.0	
C-102	3'-0"	7'-0"	1 3/4"	FP	HM	F1	HM	1/A-600	2/A-600	-		5.0	
C-103	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		16.0	
C-104	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		16.0	
C-105	3'-0"	7'-0"	1 3/4"	N	HM	F1	HM	1/A-600	2/A-600	-		4.0	
C-105A	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		16.0	
C-105B	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	14/A-320		18.0	
C-106	3'-0"	7'-0"	1 3/4"	N	HM	F1	HM	1/A-600	2/A-600	-		11.0	
C-106A	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		10.0	
C-106B	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		5.0	
C-106C	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		10.0	
C-107	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		10.0	
C-108A	2'-8"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		12.0	
C-108B	3'-0"	7'-0"	1 3/4"	FG	HM	F3	HM	1/A-600	2/A-600	-		9.0	
C-108C	3'-0"	7'-0"	1 3/4"	FG	HM	F3	HM	1/A-600	2/A-600	-		9.0	
C-108D	3'-0"	7'-0"	1 3/4"	FG	ALUMN	F3	ALUMN	1/A-600	2/A-600	1/A-321		19	
C-108E	8'-0"	7'-0"	-	-	-	F6	WD	5/A-600	6/A-600	TR2/A-800		-	
C-109	3'-0"	7'-0"	1 3/4"	FP	HM	F1	HM	1/A-600	2/A-600	TR2/A-800		5.0	
C-109A	3'-0"	7'-0"	1 3/4"	FP	HM	F1	HM	1/A-600	2/A-600	-		10.0	
C-110	3'-0"	7'-0"	1 3/4"	FP	HM	F1	HM	1/A-600	2/A-600	TR3/A-800		5.0	
C-110A	3'-0"	7'-0"	1 3/4"	FP	HM	F1	HM	1/A-600	2/A-600	-	45MIN	13.0	
C-110B	3'-0"	7'-0"	1 3/4"	FP	HM	F1	HM	1/A-600	2/A-600	-		10.0	
C-110C	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	15/A-320	15/A-600	14/A-320		19.0	
C-110D	6'-0"	7'-0"	1 3/4"	F	HM	F2	HM	15/A-320	15/A-600	14/A-320		20.0	
C-110E	3'-0"	6'-8"	-	-	-	F7	WD	5/A-600	6/A-600	-		-	
C-111	3'-0"	7'-0"	1 3/4"	FG	HM	F3	HM	1/A-600	2/A-600	-		8.0	
C-112	3'-0"	7'-0"	1 3/4"	FG	HM	F3	HM	1/A-600	2/A-600	-		8.0	
C-113	3'-0"	7'-0"	1 3/4"	FG	HM	F3	HM	1/A-600	2/A-600	TR2/A-800		8.0	
C-114	3'-0"	7'-0"	1 3/4"	FG	HM	F1	HM	1/A-600	2/A-600	-		8.0	
C-114A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		8.0	
N-001	5'-9"	7'-0"	1 3/4"	N	HM	F5	HM	3/A-600	4/A-600	-	45MIN	22.0	
N-100	5'-10"	7'-0"	1 3/4"	FG	ALUMN	F4	ALUMN	7/A-600	8/A-600	-		*	
N-100A	4'-0"	7'-0"	1 3/4"	FP	HM	F2	HM	1/A-600	2/A-600	-	45MIN	15.0	
N-100C	3'-0"	7'-0"	1 3/4"	FP	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		14.0	
N-100D	3'-0"	7'-0"	1 3/4"	FP	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		10.0	
N-100E	3'-0"	7'-0"	1 3/4"	FG	ALUMN	F3	ALUMN	20/A-600	16.18/A-600	1/A-321		2.0	
N-101	3'-0"	7'-0"	1 3/4"	L	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		13.0	
N-102	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-102A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-103	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-103A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-104	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-104A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-105	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		17.0	
N-106	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-106A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-107	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-107A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-108	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-108A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-109	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-109A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-110	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		17.0	
N-111	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		17.0	
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N-112A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-113	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-113A	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-114	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-114A	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
N-115	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
N-115A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
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N-118A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-001	5'-9"	7'-0"	1 3/4"	N	HM	F5	HM	3/A-600	4/A-600	-		22.0	
S-100	5'-10"	7'-0"	1 3/4"	FG	ALUMN	F4	ALUMN	7/A-600	8/A-600	-		*	
S-100A	4'-0"	7'-0"	1 3/4"	FP	HM	F2	HM	1/A-600	2/A-600	-	45MIN	15.0	
S-100C	3'-0"	7'-0"	1 3/4"	FP	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		14.0	
S-100D	3'-0"	7'-0"	1 3/4"	FG	ALUMN	F3	ALUMN	20/A-600	16.18/A-600	1/A-321		2.0	
S-101	3'-0"	7'-0"	1 3/4"	L	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		13.0	
S-102	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-102A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-103	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-103A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-104	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-104A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-105	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		17.0	
S-106	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-106A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-107	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-107A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-108	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-108A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-109	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-109A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-110	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		17.0	
S-111	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	TH1/A-800		17.0	
S-112	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-112A	2'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-113	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-113A	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-114	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
S-114A	3'-0"	7'-0"	1 3/4"	F	HM	F1	HM	1/A-600	2/A-600	-		24.0	
S-115	3'-0"	7'-0"	1 3/4"	CA	HM	F1	HM	1/A-600	2/A-600	-	45MIN	23.0	
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Office of General Services

CONSULTANT:

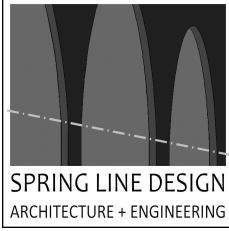
CERTIFICATE OF AUTHORIZATION: 1127432



Architectural Resources



LAKHANI & JORDAN
ENGINEERS, P.C.



SPRING LINE DESIGN
ARCHITECTURE + ENGINEERING



Tectonic

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Tectonic Engineering Consultants, Geologists & Land Surveyors, P.C.



REGISTERED ARCHITECT
KEVIN D. MURPHY
STATE OF NEW YORK
015901
REGISTRATION EXP. 12/31/2026

WE HEREBY AFFIRM THAT TO THE BEST OF OUR KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE AND THE 2020 NEW YORK STATE UNIFORM BUILDING CODE.

CONTRACT: CONSTRUCTION

TITLE: PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER

LOCATION: 80-45 WINCHESTER BLVD QUEENS VILLAGE, NY

CLIENT: OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION
3	06/12/2026	ADDENDUM 3 BID DOCUMENTS

PROJECT NUMBER: 47688-C

DESIGNED BY: KCG | JDD

DRAWN BY: KCG | MMM | CMW

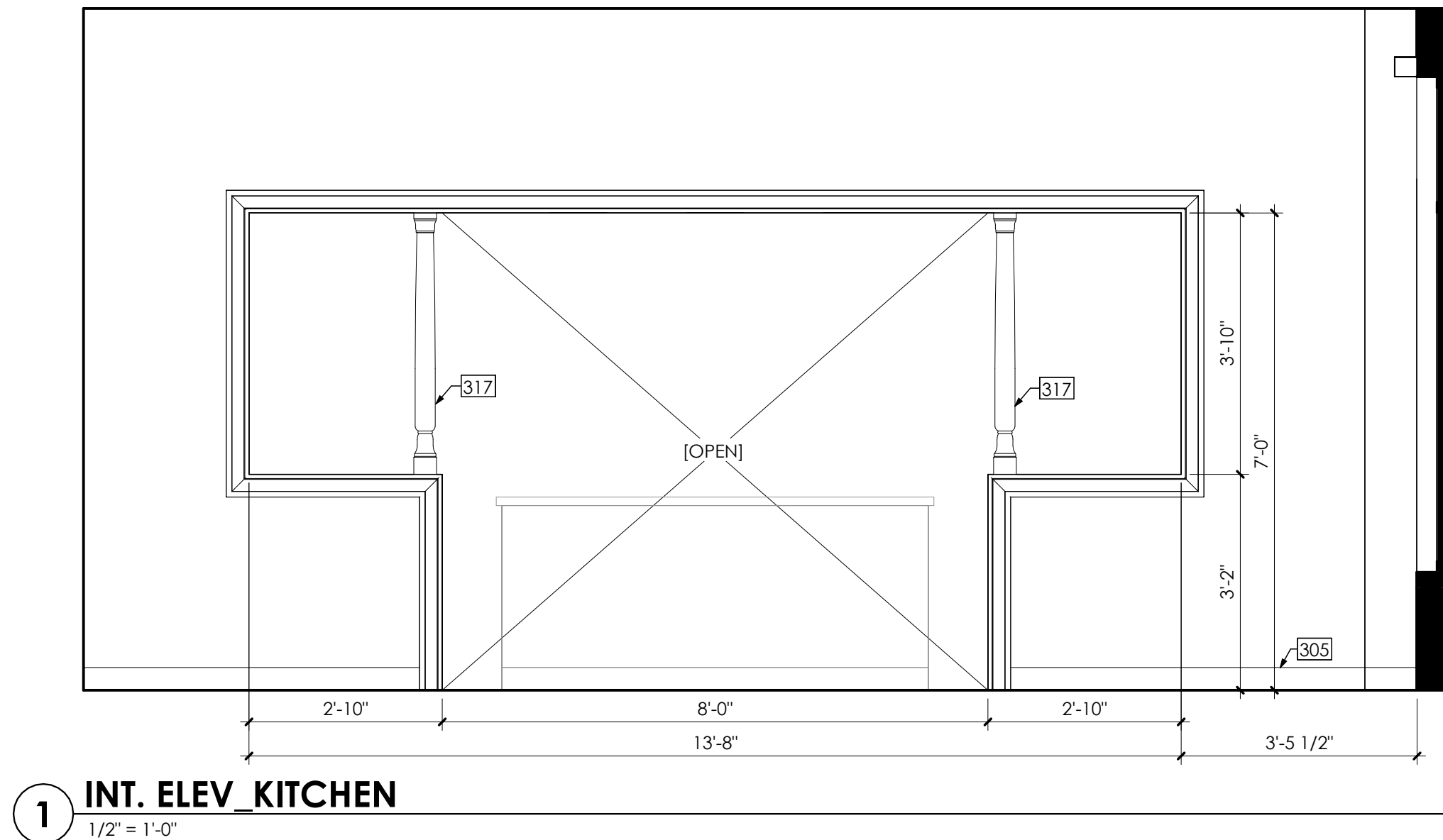
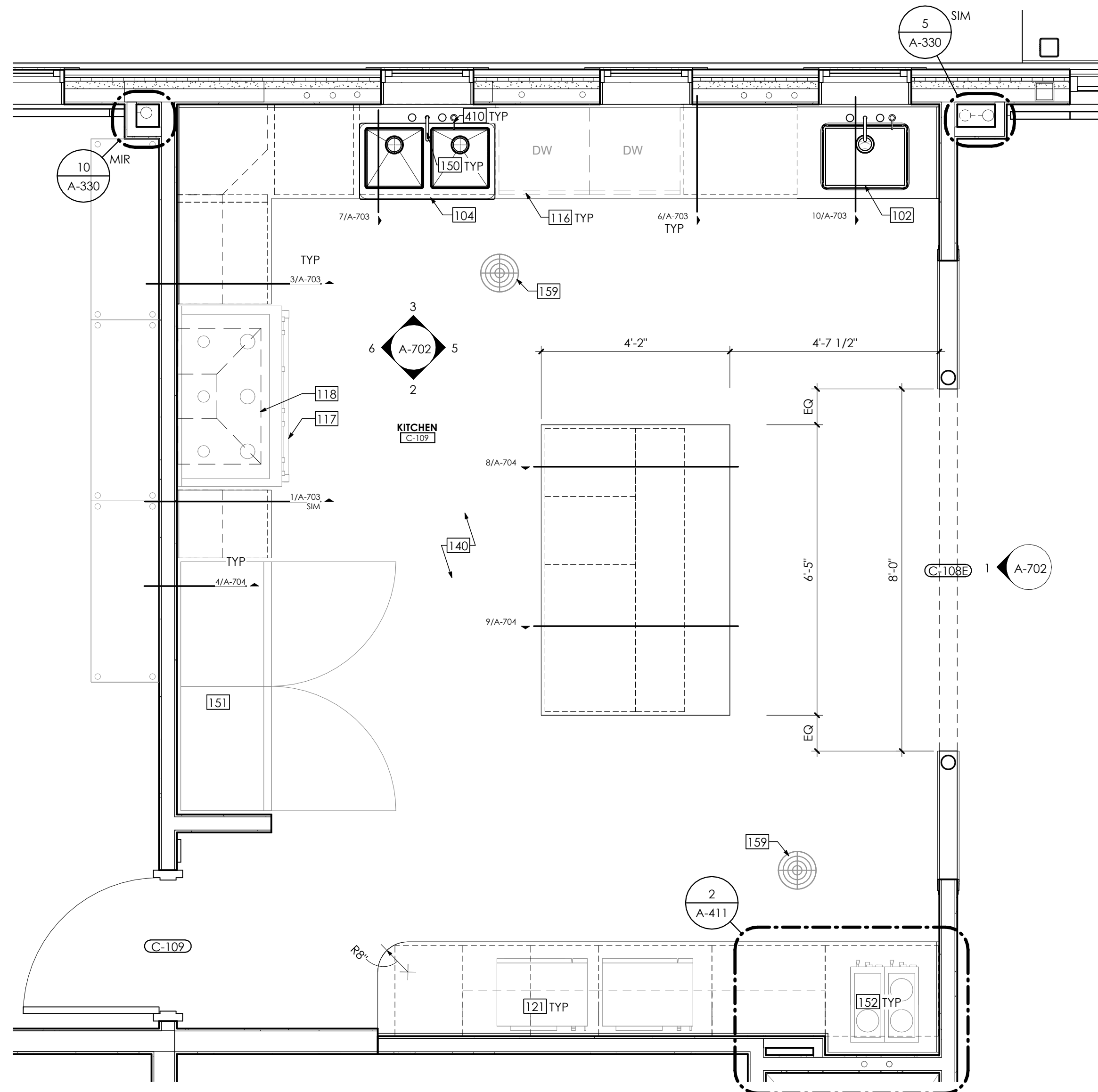
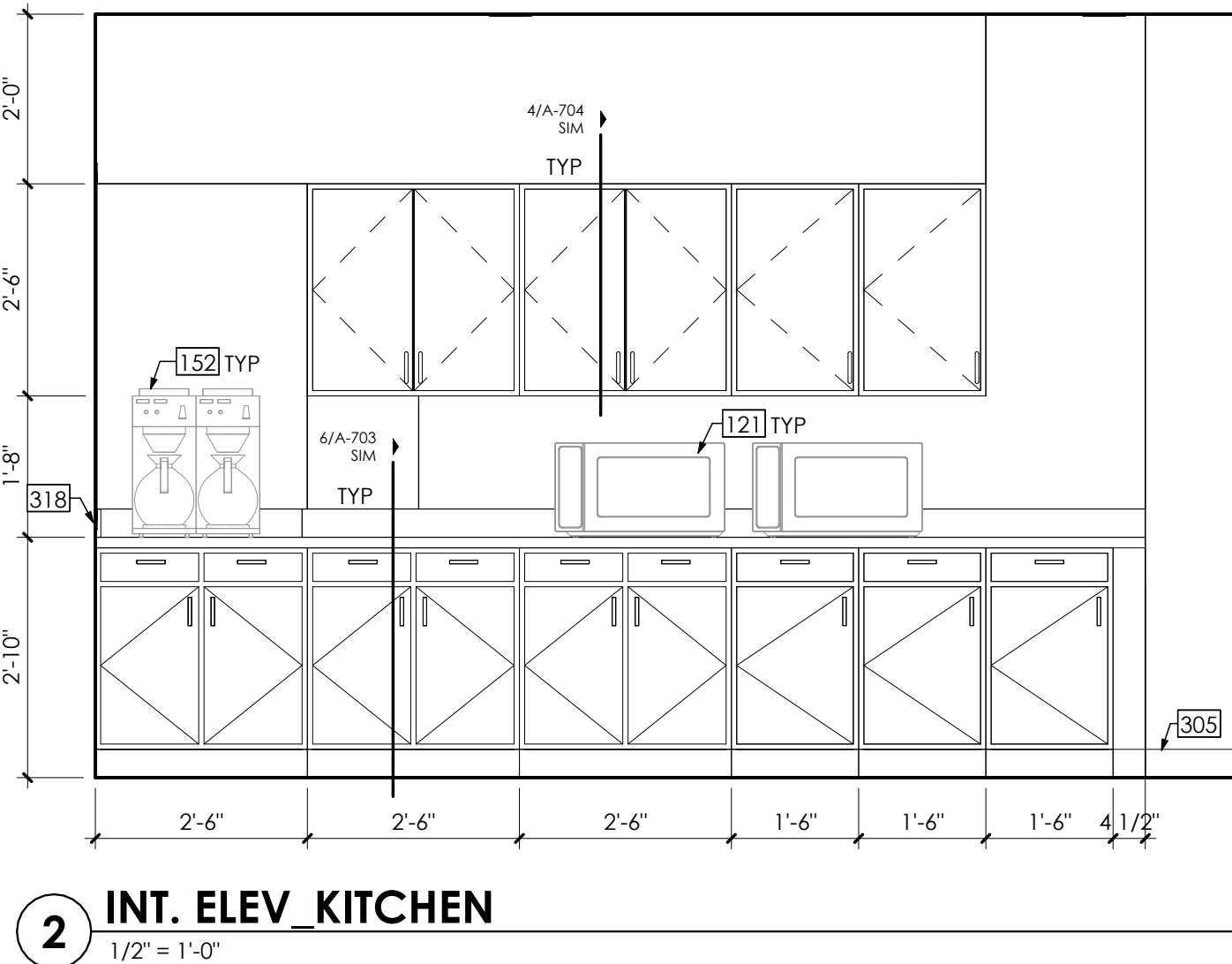
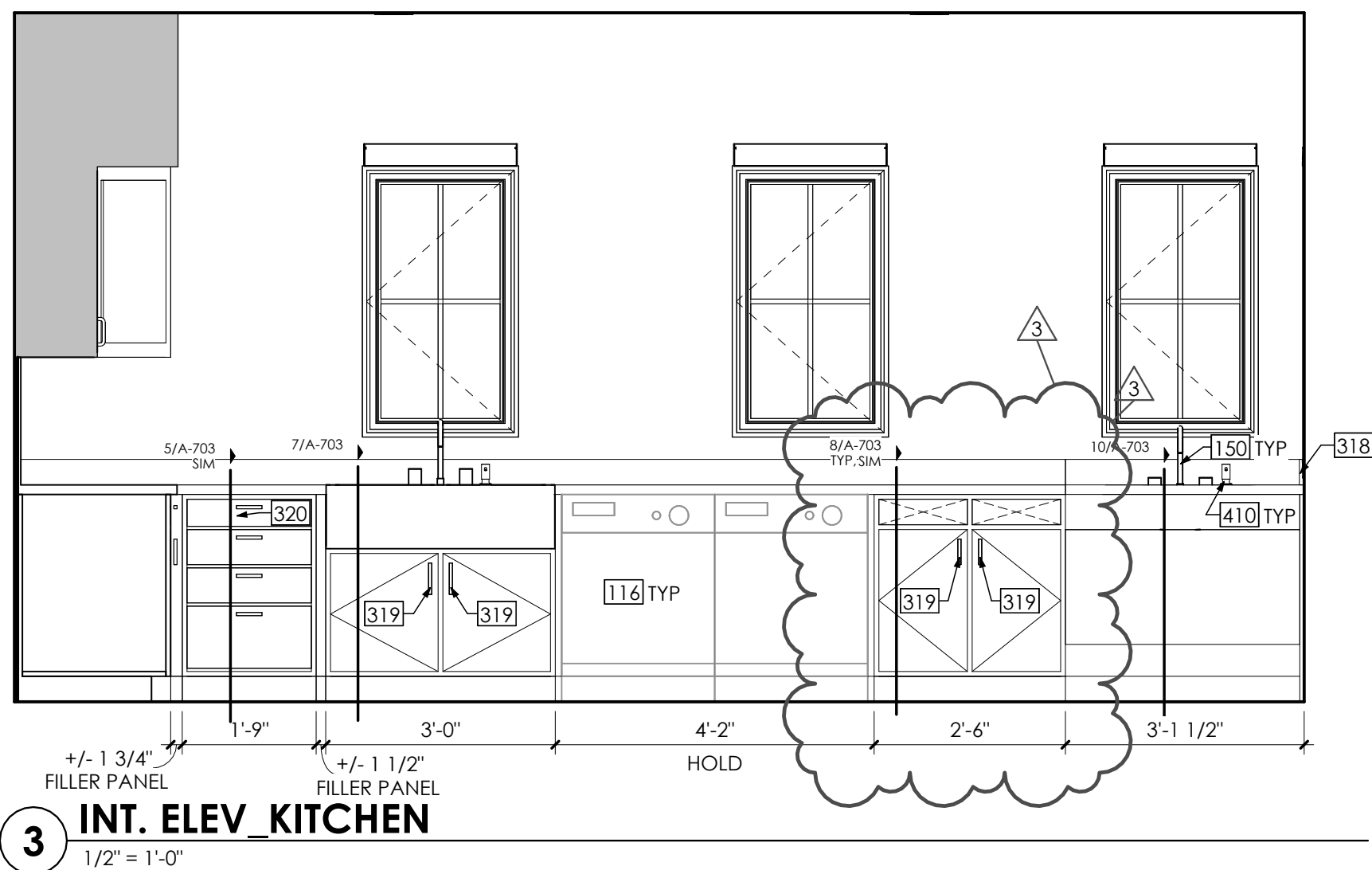
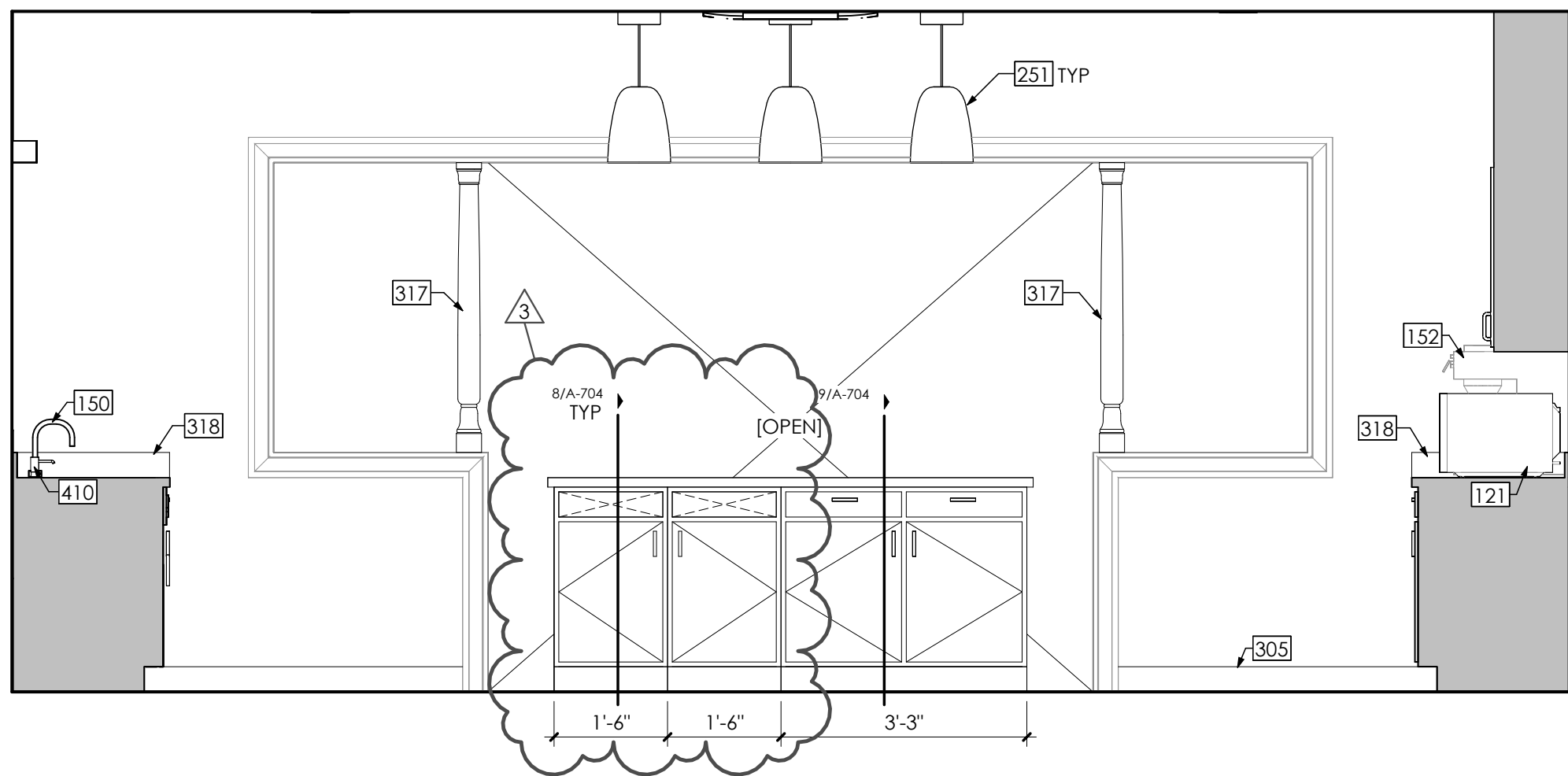
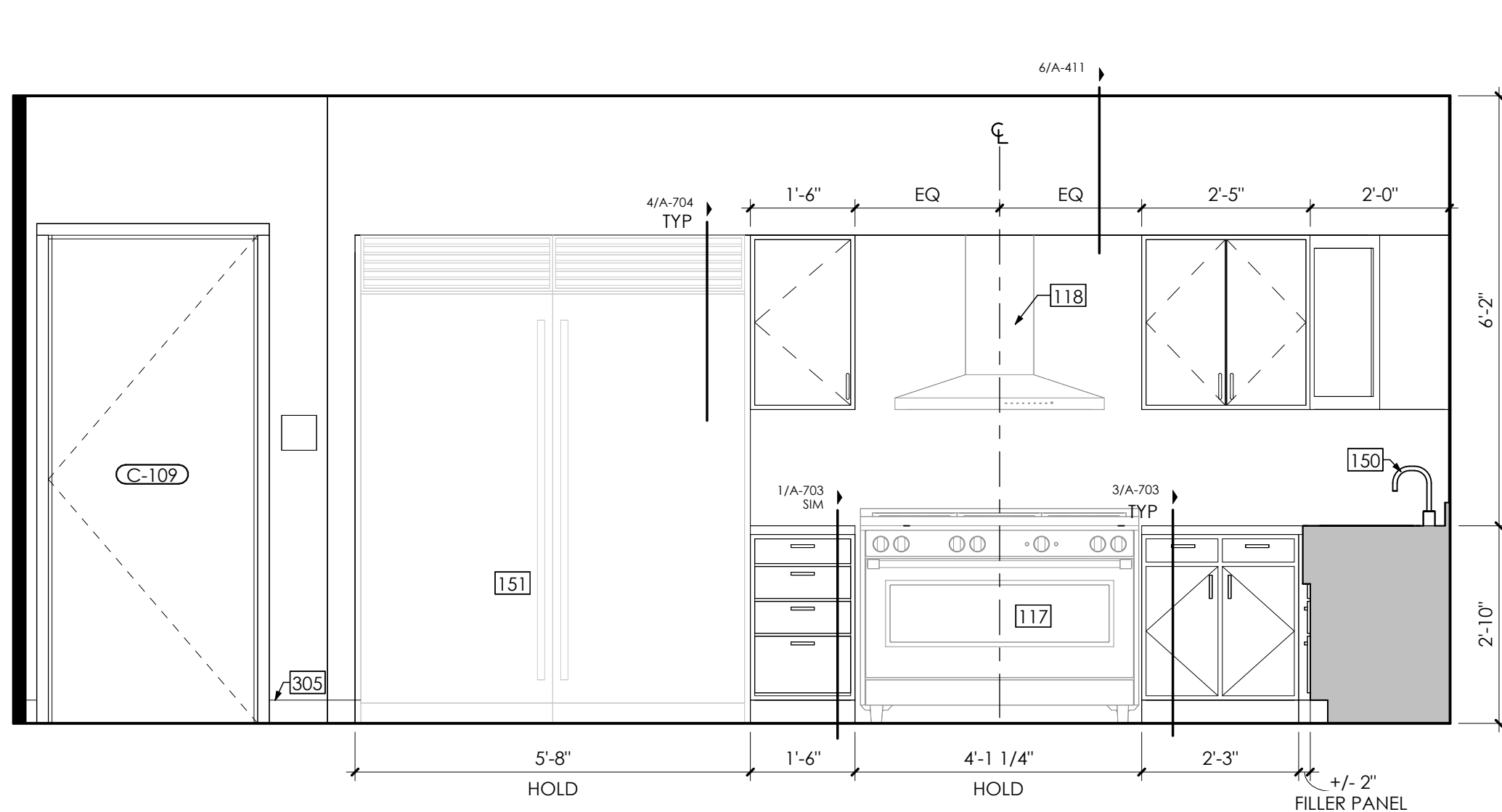
FIELD CHECK:

APPROVED:

SHEET TITLE: MILLWORK PLANS AND ELEVATIONS

DRAWING NUMBER: A-701

SHEET OF



GENERAL NOTES

- DIMENSIONS ARE TO FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.
- DO NOT SCALE DRAWINGS OR DETAILS.
- COORDINATE WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES.
- PROTECT CONDITIONS AND MATERIALS WITHIN PROPOSED CONSTRUCTION AREA. DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL OR REMOVAL TASKS.
- PERFORM CUTTING, PATCHING, AND REPAIRING AS REQUIRED TO PERFORM WORK INDICATED ON DRAWINGS.
- REFER TO A-001 FOR WALL TYPES INFORMATION.
- SEE CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE.
- DOORS ARE LOCATED 6 INCHES FROM WALL UNLESS OTHERWISE NOTED.
- REFER TO A-003 FOR TYPICAL MOUNTING INFORMATION.
- CONTRACTOR TO ANCHOR ALL EXTERIOR FURNITURE TO CONCRETE SLAB. ARCHITECT TO REVIEW AND CONFIRM ANCHORING DETAIL BASED ON FINAL FURNITURE SELECTION AND MANUFACTURERS RECOMMENDATIONS.

DRAWING NOTES

- PROVIDE ADA STAINLESS STEEL SINK, REFER TO PLUMBING DRAWINGS
- PROVIDE STAINLESS STEEL SINK, REFER TO PLUMBING DRAWINGS
- 23.5 INCH DISHWASHER, OWNER PROVIDED (NOT IN SCOPE), REFER TO PLUMBING AND ELECTRICAL DRAWINGS
- 48 INCH COMBINED ELECTRIC OVEN AND STOVE UNIT, OWNER PROVIDED (NOT IN SCOPE), REFER TO PLUMBING AND ELECTRICAL DRAWINGS
- RANGE HOOD, OWNER PROVIDED (NOT IN SCOPE), REFER TO PLUMBING AND ELECTRICAL DRAWINGS
- MICROWAVE, OWNER PROVIDED (NOT IN SCOPE)
- SLOPE SLAB TO DRAIN, REFER TO STRUCTURAL DRAWINGS
- PROVIDE PULL DOWN FAUCET, REFER TO PLUMBING DRAWINGS
- SIDE BY SIDE FULL SIZE REFRIGERATOR AND FREEZER UNITS, 66.25 INCH WIDTH COMBINED, OWNER PROVIDED (NOT IN SCOPE), REFER TO PLUMBING AND ELECTRICAL DRAWINGS
- DUAL POT COFFEE MAKER, OWNER PROVIDED (NOT IN SCOPE), REFER TO PLUMBING AND ELECTRICAL DRAWINGS
- FLOOR DRAIN, REFER TO PLUMBING DRAWINGS
- LIGHTING FIXTURE, REFER TO ELECTRICAL DRAWINGS
- WALL BASE, REFER TO BOD AND FINISH PLANS
- PROVIDE 4 INCH NEWEL POST
- SOLID SURFACE BACKSPLASH TO RETURN ALONG WALL TO EXTENTS OF COUNTERTOP, REFER TO BASIS OF DESIGN
- PROVIDE LOCKING MECHANISM, KEYED ALIKE, FOR CABINET
- PROVIDE LOCKING MECHANISM, KEYED ALIKE, FOR DRAWER
- PROVIDE COUNTER MOUNTED SOAP DISPENSER, REFER TO PLUMBING DRAWINGS

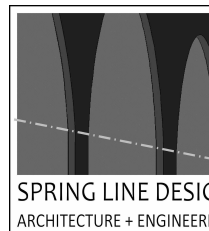
CONSULTANT:

CERTIFICATE OF AUTHORIZATION: 1127432



Architectural Resources

LAKHANI & JORDAN ENGINEERS, P.C.



Tectonic

Tectonic Engineering Consultants, Geologists & Land Surveyors, P.C.



WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



REGISTRATION EXP. 12/31/2026

WE HEREBY AFFIRM THAT TO THE BEST OF OUR KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE AND THE 2020 NEW YORK STATE UNIFORM BUILDING CODE.

CONTRACT:

CONSTRUCTION

TITLE:

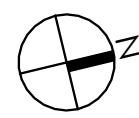
PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER

LOCATION:

80-45 WINCHESTER BLVD QUEENS VILLAGE, NY

CLIENT:

OFFICE OF MENTAL HEALTH



MARK	DATE	DESCRIPTION
3	06/12/2026	ADDENDUM 3
10/17/2025		BID DOCUMENTS

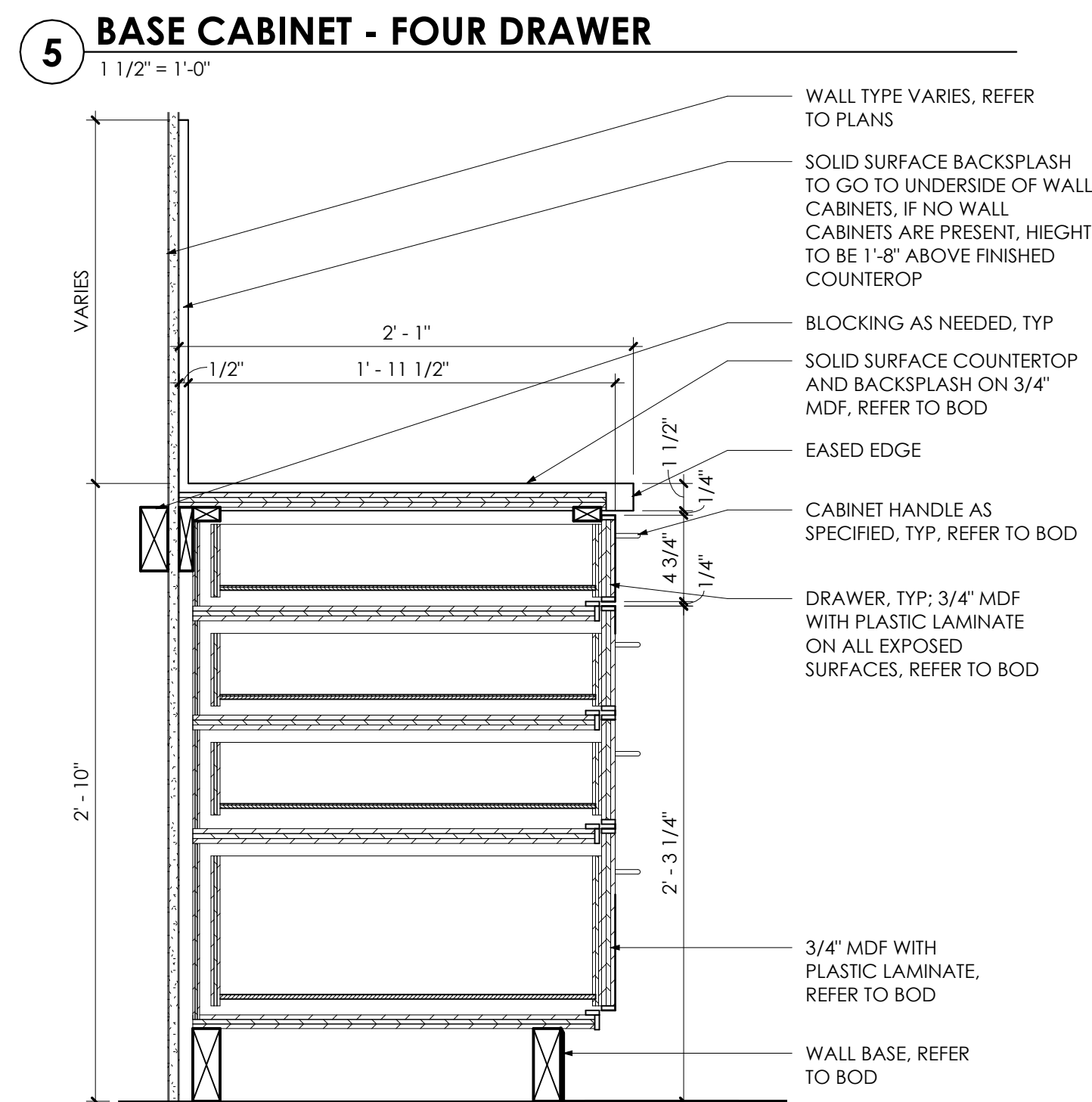
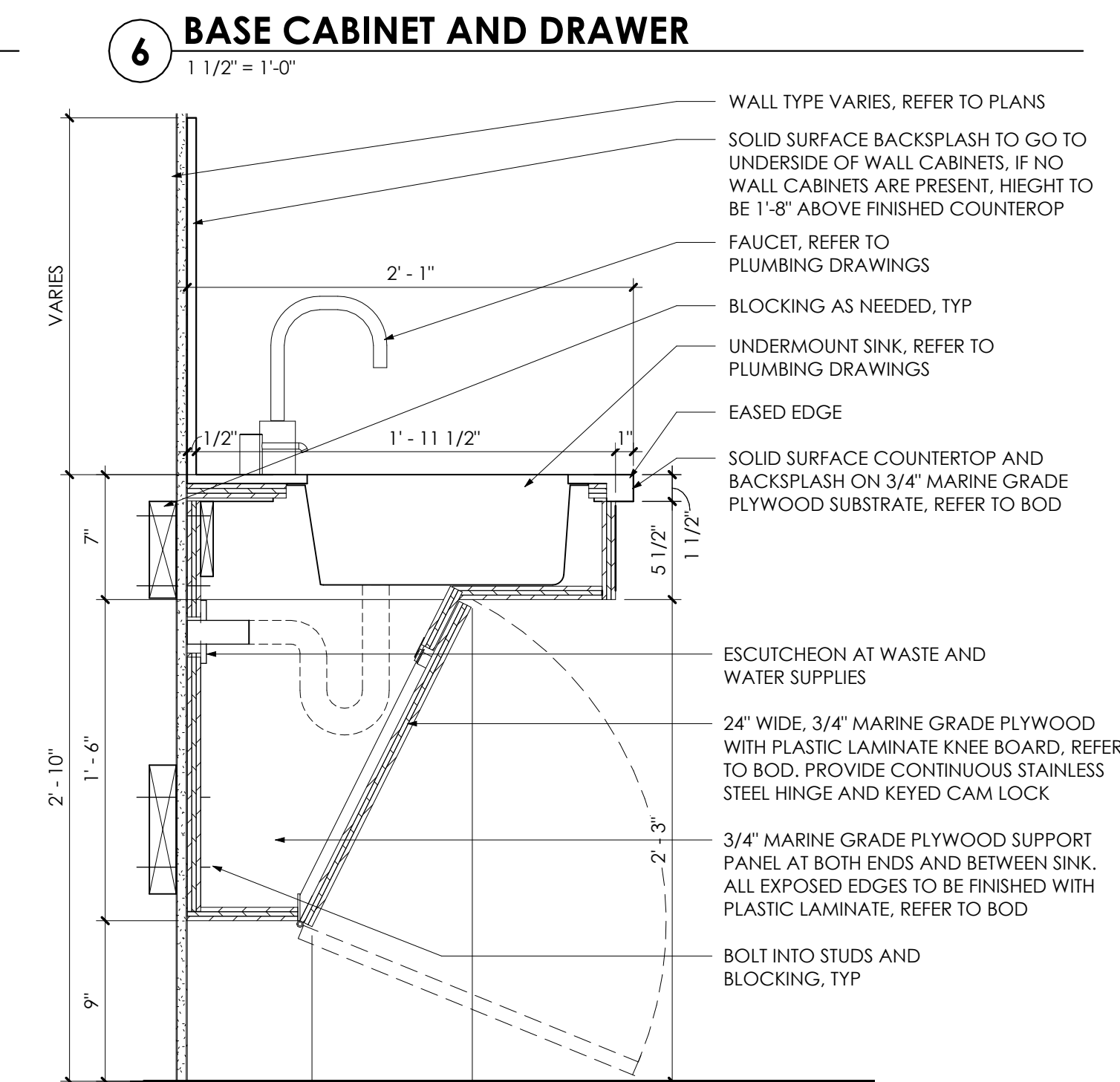
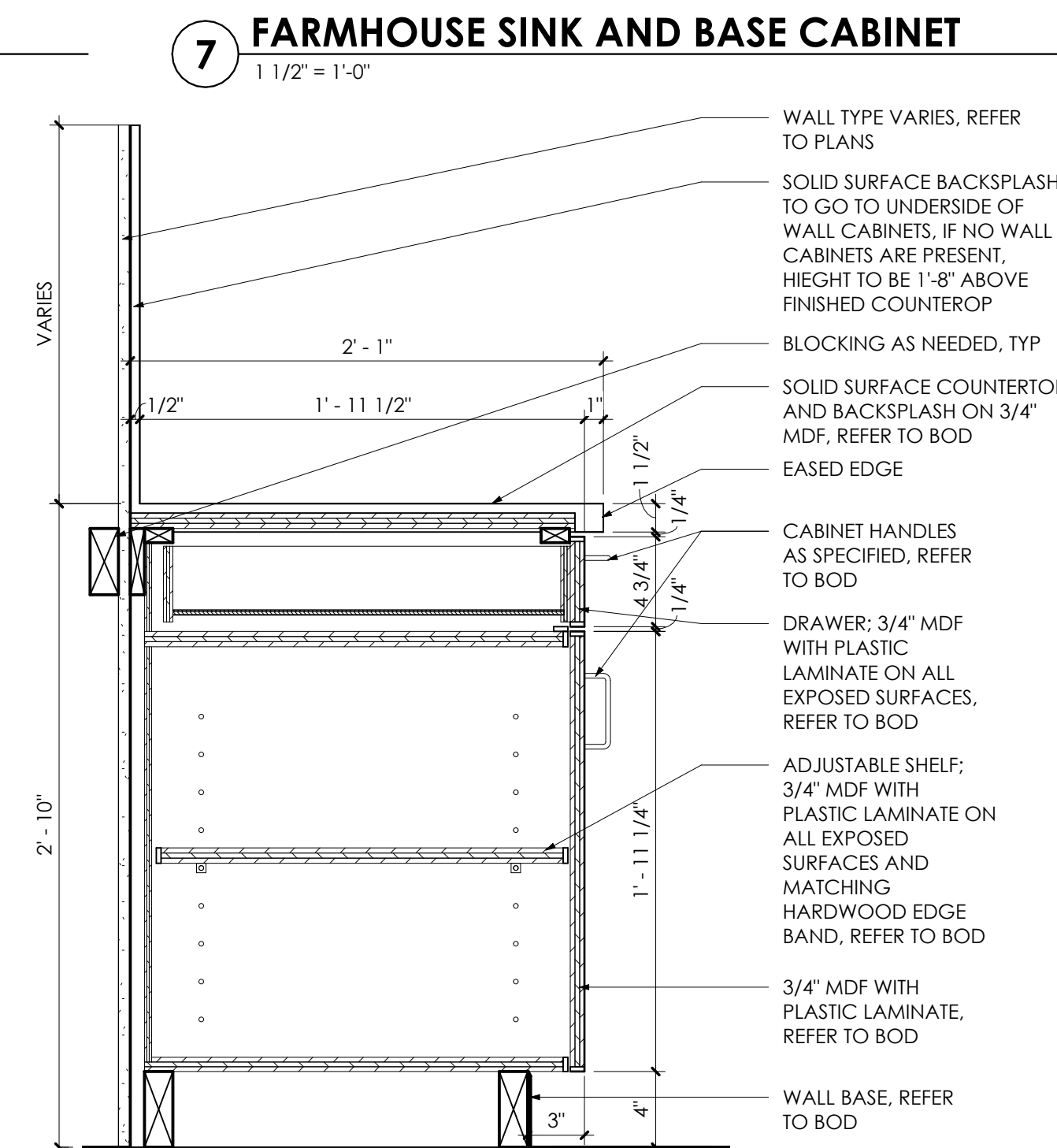
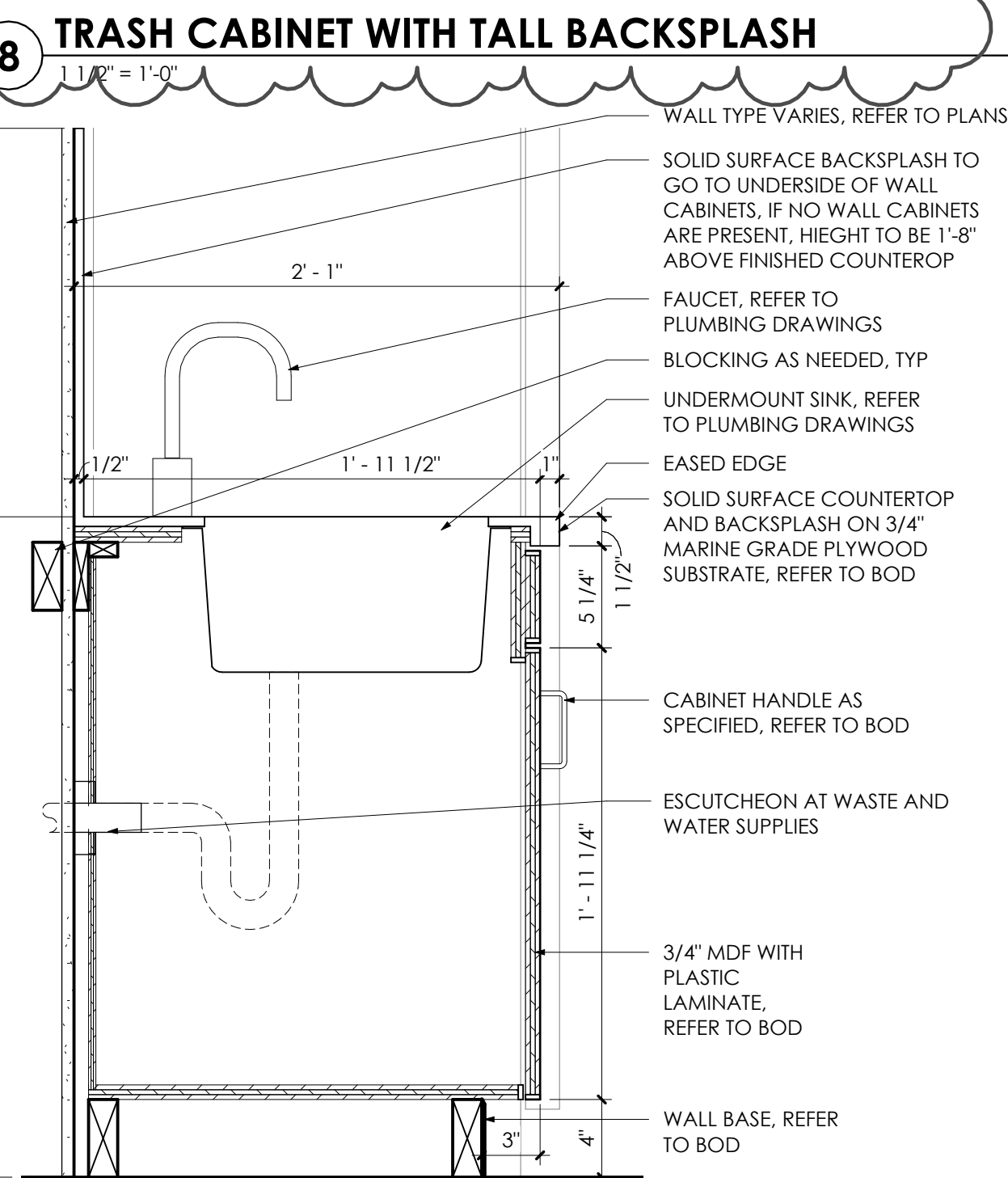
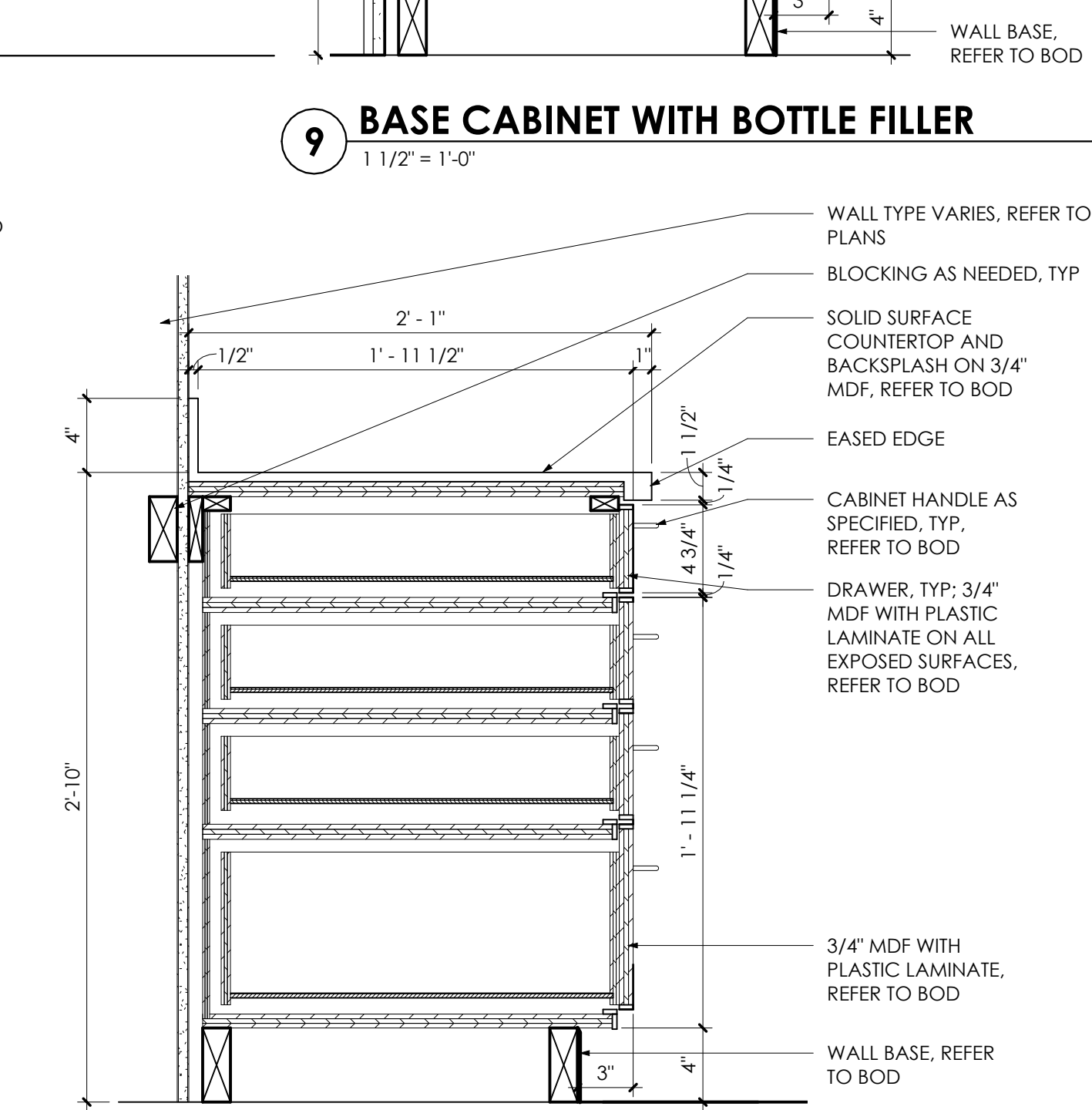
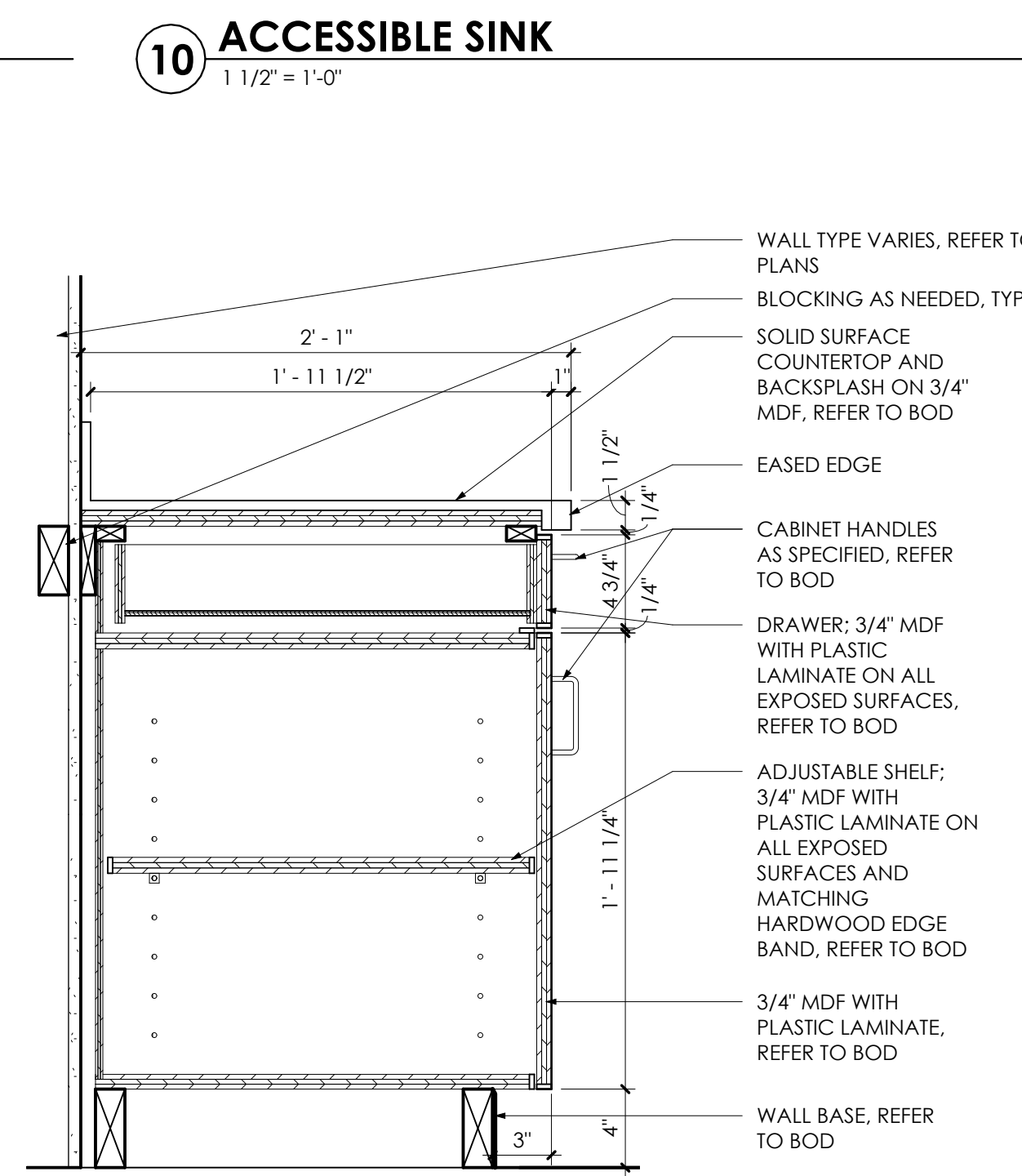
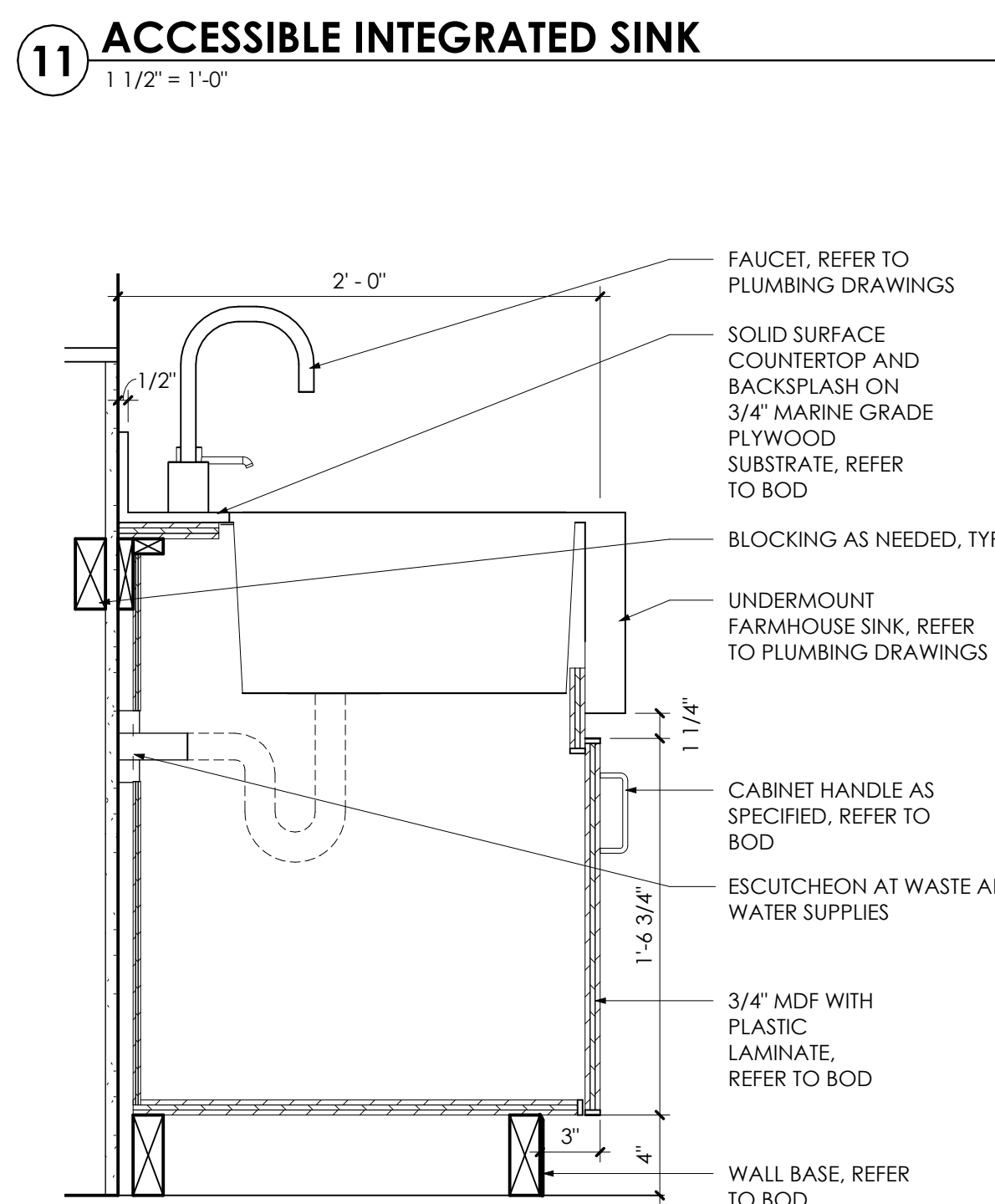
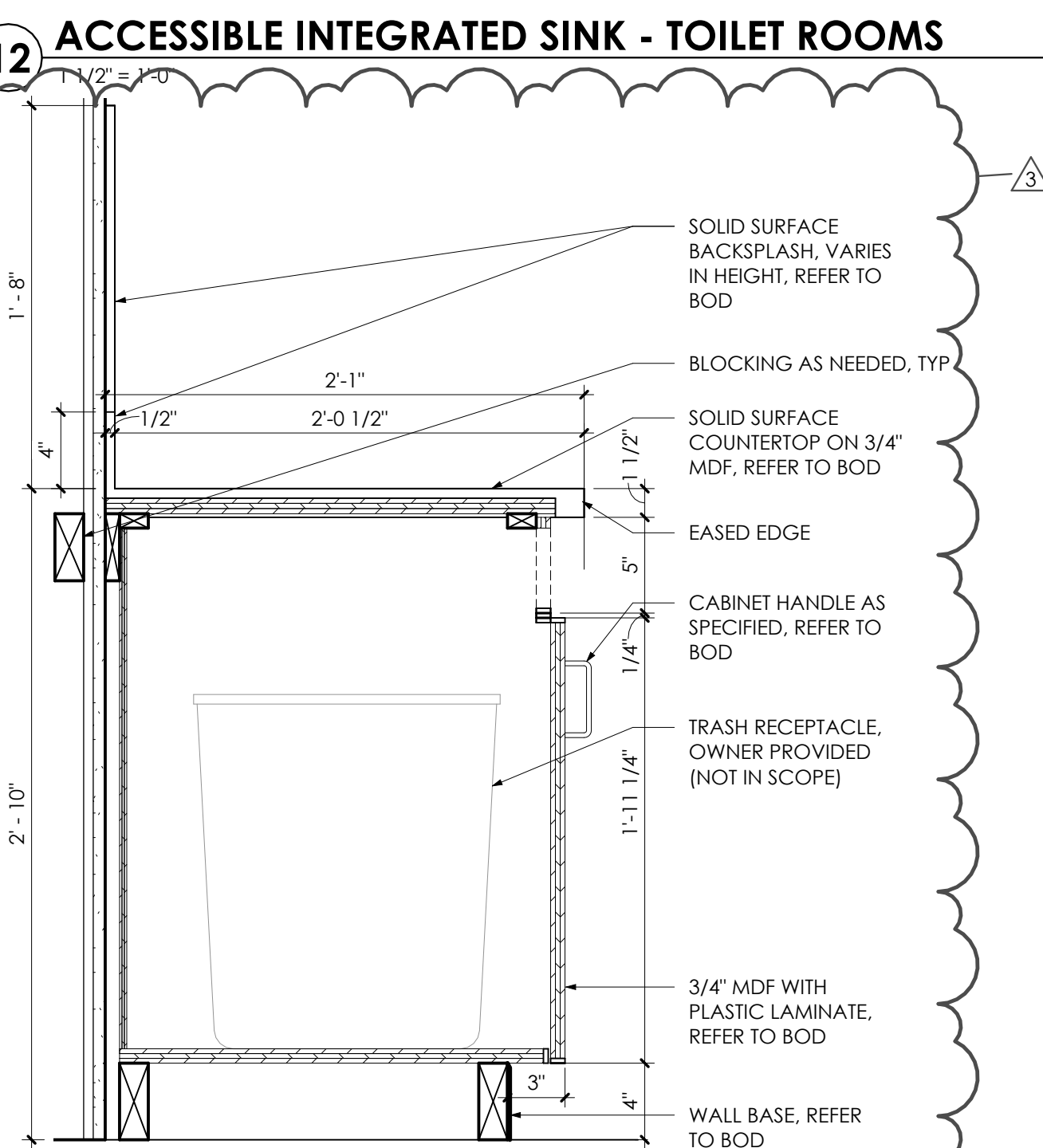
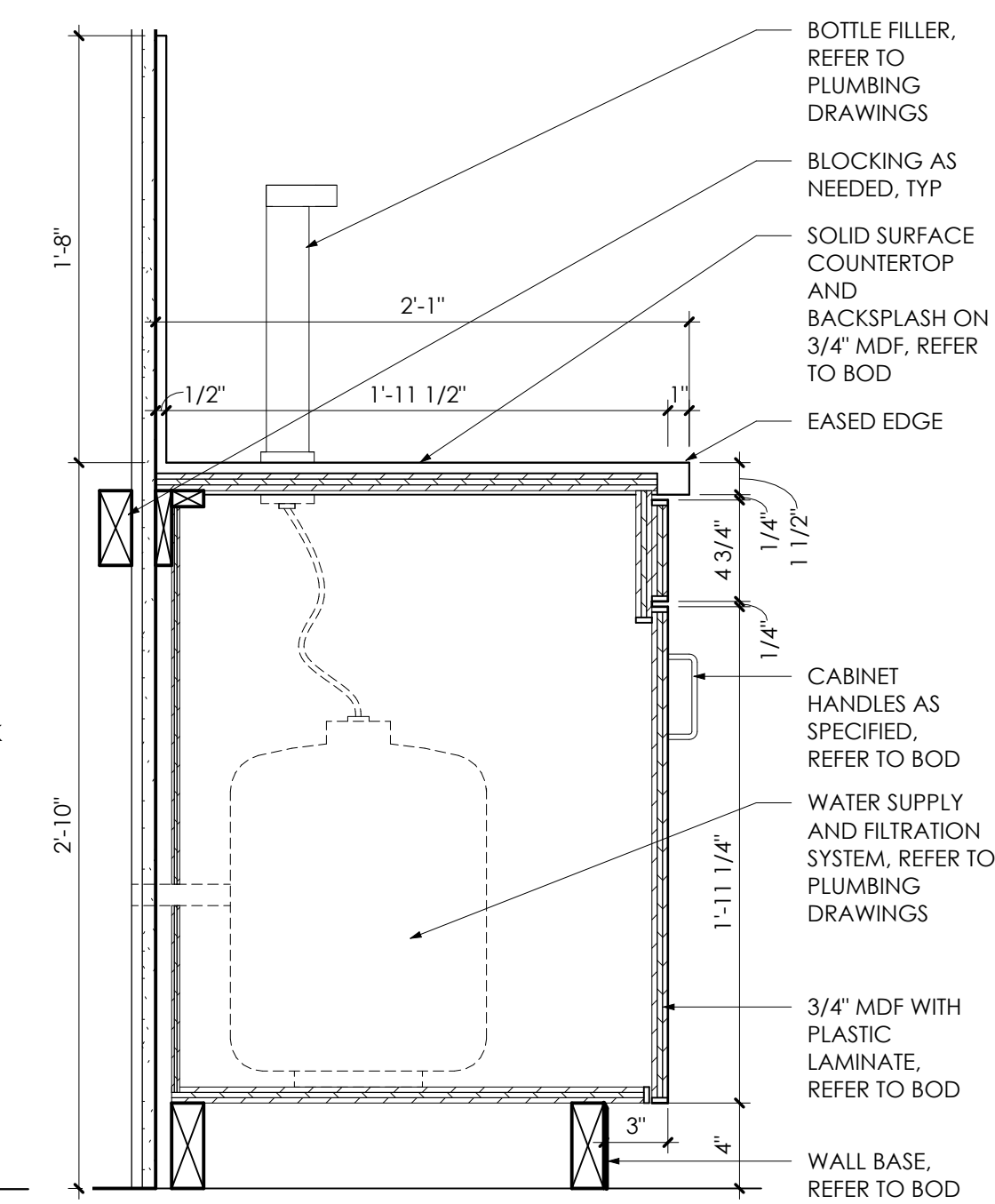
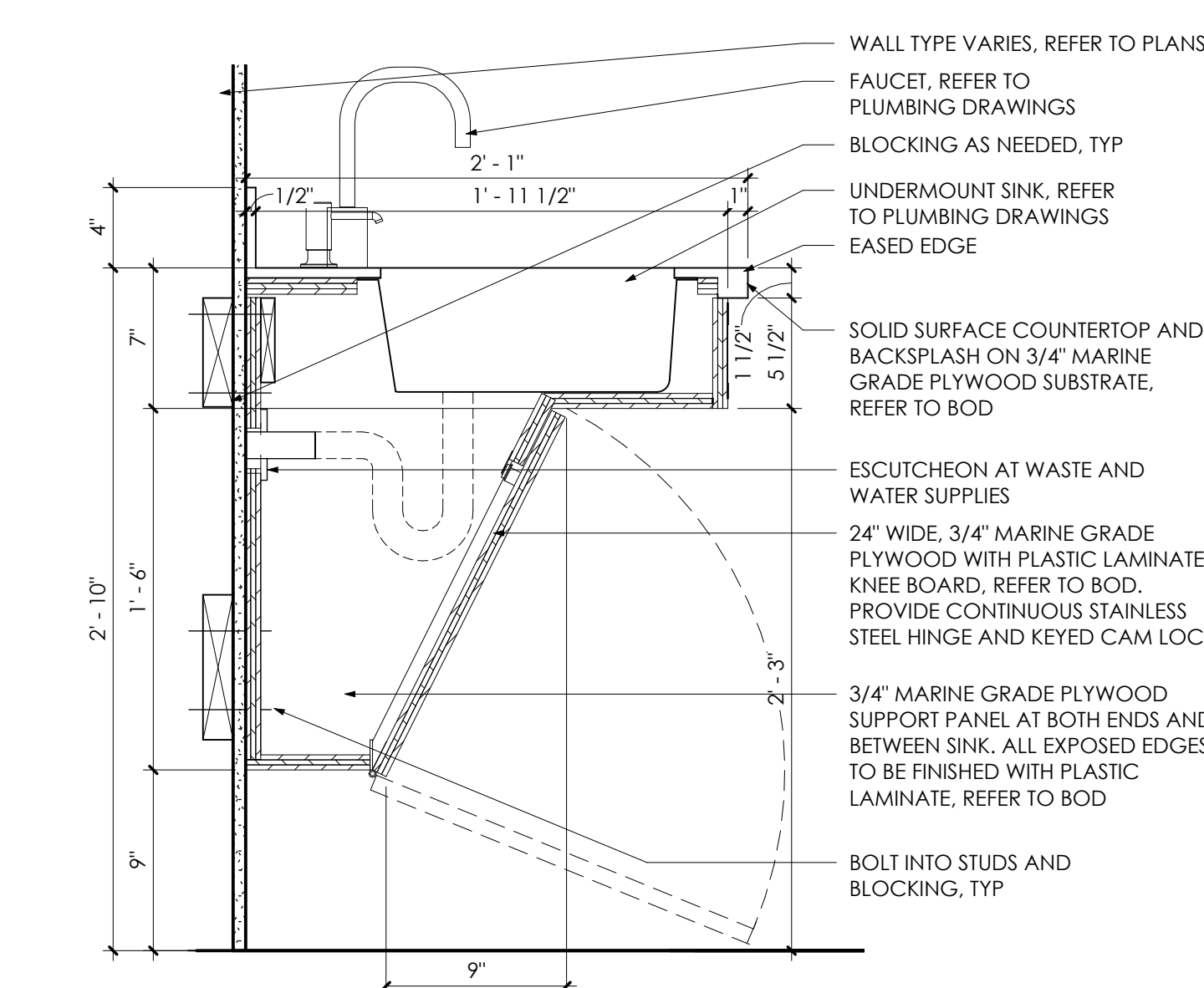
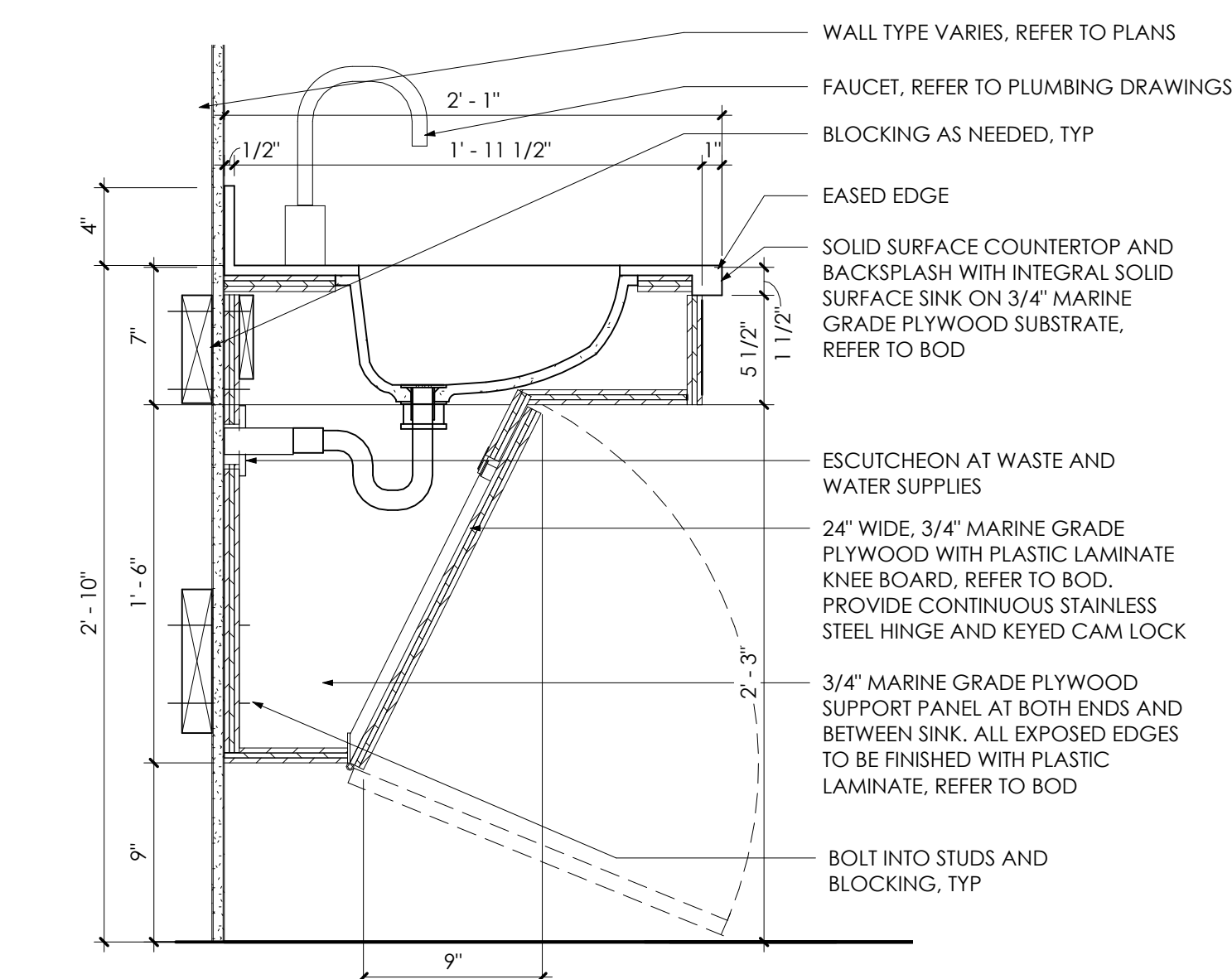
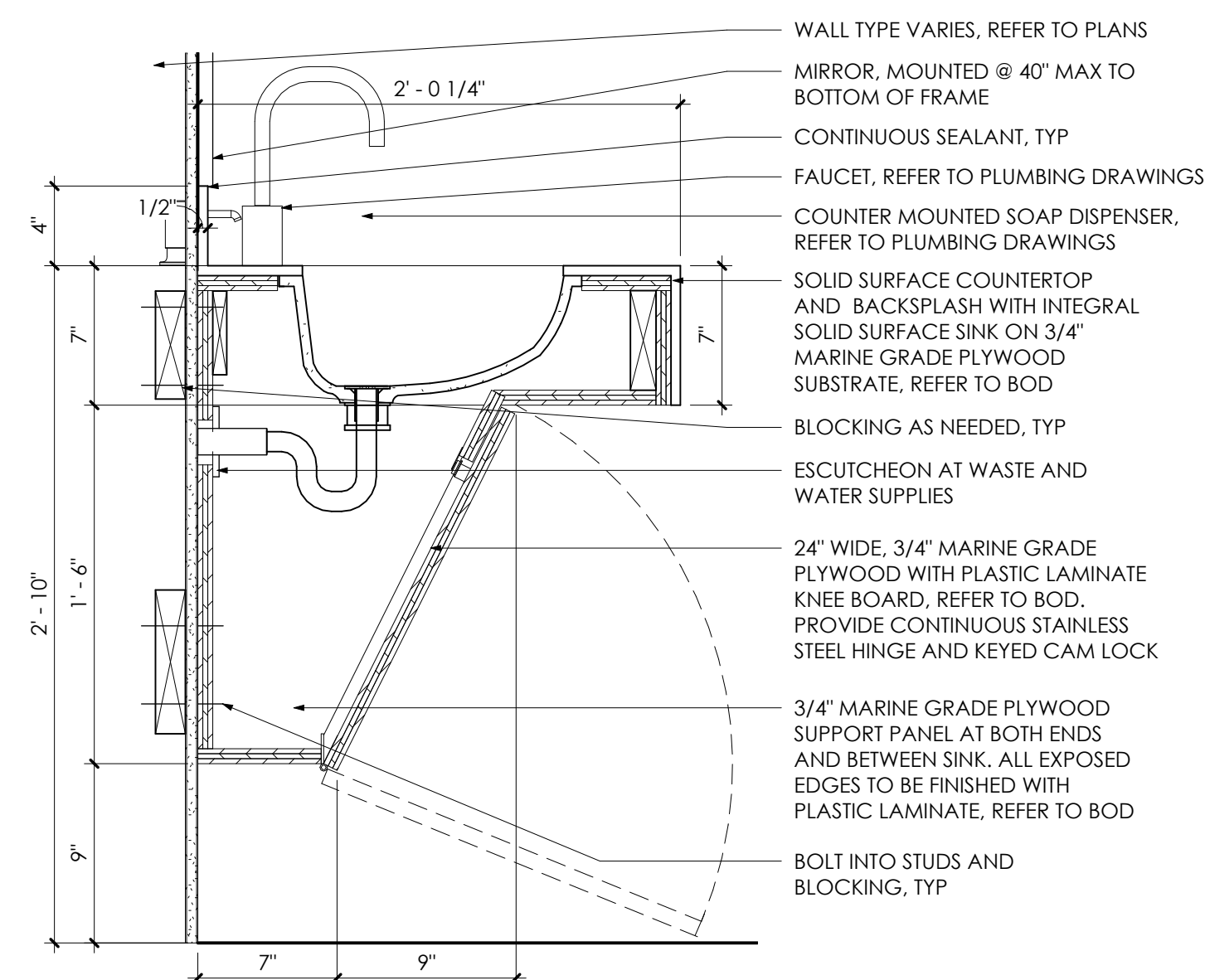
PROJECT NUMBER:	47688-C
DESIGNED BY:	KCG JDD
DRAWN BY:	KCG MMM CMW
FIELD CHECK:	
APPROVED:	
SHEET TITLE:	

MILLWORK PLANS AND ELEVATIONS

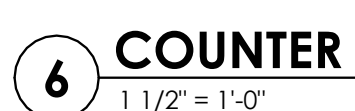
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SHEET OF



3	06/12/2026	ADDENDUM 3
	10/17/2025	BID DOCUMENTS
MARK	DATE	DESCRIPTION
PROJECT NUMBER: 47688-C		
DESIGNED BY: KCG		
DRAWN BY: KCG CMW		
FIELD CHECK:		
APPROVED:		
SHEET TITLE:		



A. DIMENSIONS ARE TO FINISHED FACE OF SURFACES UNLESS OTHERWISE NOTED.	E. PERFORM CUTTING, PATCHING, AND REPAIRING AS REQUIRED TO PERFORM WORK INDICATED ON DRAWINGS.
B. DO NOT SCALE DRAWINGS OR DETAILS.	F. REFER TO A-001 FOR WALL TYPES INFORMATION.
C. COORDINATE WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES.	G. SEE CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL SCOPE.
D. PROTECT CONDITIONS AND MATERIALS WITHIN PROPOSED CONSTRUCTION AREA. DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL OR REMOVAL TASKS.	H. DOORS ARE LOCATED 6 INCHES FROM WALL UNLESS OTHERWISE NOTED.
	I. REFER TO A-003 FOR TYPICAL MOUNTING INFORMATION.

108 UNDERCOUNTER REFRIGERATOR, OWNER PROVIDED [NOT
IN SCOPE], REFER TO PLUMBING AND ELECTRICAL
DRAWINGS

116 23.5 INCH DISHWASHER, OWNER PROVIDED [NOT IN
SCOPE], REFER TO PLUMBING AND ELECTRICAL DRAWINGS

117 48 INCH COMBINED ELECTRIC OVEN AND STOVE UNIT,
OWNER PROVIDED [NOT IN SCOPE], REFER TO PLUMBING
AND ELECTRICAL DRAWINGS

119 WASHER, OWNER PROVIDED [NOT IN SCOPE], REFER TO
PLUMBING AND ELECTRICAL DRAWINGS

120 DRYER, OWNER PROVIDED [NOT IN SCOPE], REFER TO
MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS

123 PHONE, INFORMATION TECHNOLOGY SERVICES
PROVIDED, COORDINATE WITH ELECTRICAL DRAWINGS

124 WALL MOUNTED 55 INCH TV, INFORMATION TECHNOLOGY
SERVICES PROVIDED; CONTRACTOR TO PROVIDE
BLOCKING, COORDINATE WITH ELECTRICAL DRAWINGS

126 WALL MOUNTED ENCLOSURE, OWNER PROVIDED [NOT
IN SCOPE]

146 PRINTER, INFORMATION TECHNOLOGY SERVICES
PROVIDED, COORDINATE WITH ELECTRICAL DRAWINGS

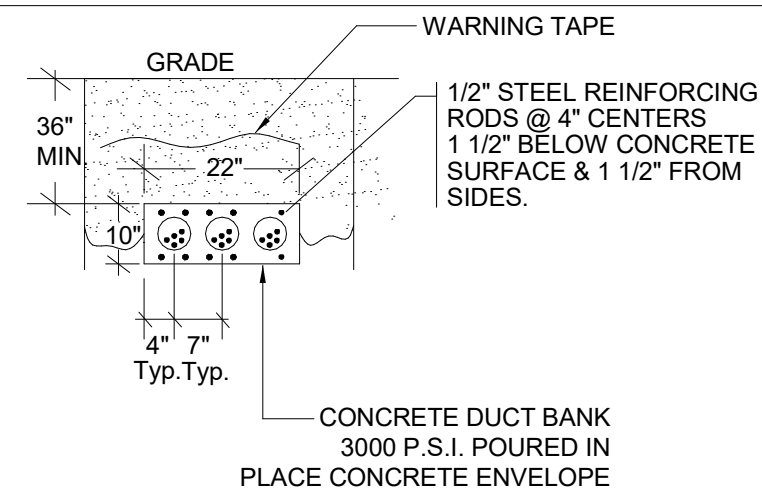
149 PROVIDE WALL MOUNTED MIRROR, REFER TO ELEVATION
ON A-610



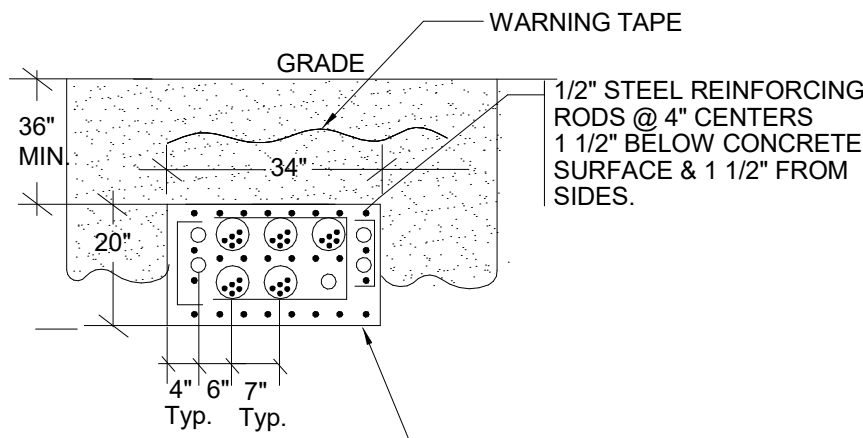
1 01 - FIRST FLOOR FURNITURE PLAN - OVERALL
1/8" = 1'-0"

SHEET OF

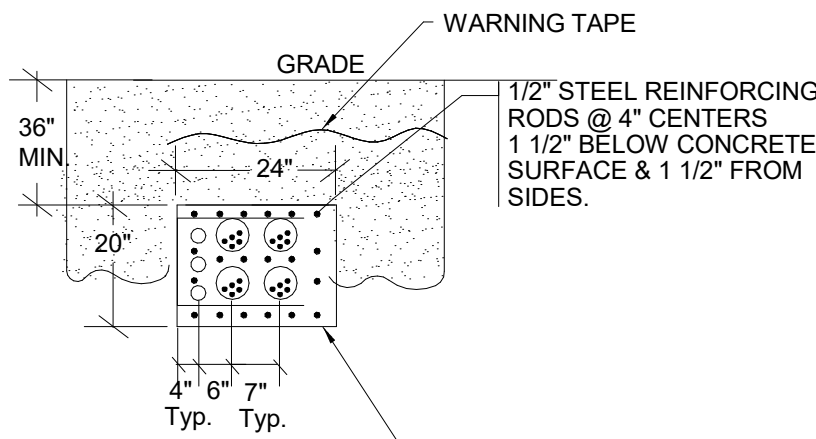
Branch Panel: PP-A											
Location: ELEC/DATA ROOM				Volts: 120/208 Wye			A.I.C. Rating: 42000				
Supply From: DP-1				Phases: 3			Mains Type: MLO				
Mounting: Surface				Wires: 4			Mains Rating: 225 A				
Enclosure: Type 1											
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	AC UNITS 1,2, 11 TO 13 (3#10 & 1#10(G) IN 3/4"C)	20 A	2	125 VA	150 VA			2	20 A	AC UNITS 6 TO 8, 46 TO 48 (3#10 & 1#10(G) IN 3/4"C)	2
3					125 VA	150 VA		1	20 A	Receptacle	4
5	AC UNITS 16 TO 20, 44,45 (3#10 & 1#10(G) IN 3/4"C)	20 A	2	350 VA	100 VA	350 VA	360 VA	1	20 A	Camera	6
7								1	20 A	FSD	8
9	Hand Dryer *	20 A	1		1500 VA	70 VA		1	20 A	To WH-1	10
11	Hand Dryer *	20 A	1			1500 VA	1500 VA	1	20 A	GFI Receptacle	12
13	To WH-2	20 A	1	1500 VA	360 VA			1	20 A		14
15	CP-1	20 A	1		650 VA	750 VA		2	20 A	EH-1 (3#10 & 1#10(G) IN 3/4"C)	16
17	MD	20 A	1			10 VA	750 VA				18
19	CP-2	20 A	1	650 VA	125 VA			2	20 A	AC UNITS 3 TO 5,14, 15 (3#10 & 1#10(G) IN 3/4"C)	20
21	Hand Dryer *	20 A	1		1500 VA	125 VA		1	20 A	Camera	22
23	To MV-1	20 A	1			150 VA	360 VA	1	20 A	GFI Receptacle	24
25	Spare	20 A	1	0 VA	150 VA			1	20 A	Receptacle	26
27	MD, EF-1	20 A	1		690 VA	750 VA		2	20 A	EH-1 (3#10 & 1#10(G) IN 3/4"C)	28
29	Receptacle	20 A	1			1440 VA	750 VA				30
31	Receptacle	20 A	1	720 VA	670 VA			1	20 A	EF-3	32
33	GFI Receptacle	20 A	1		360 VA	900 VA		1	20 A	Receptacle	34
35	Receptacle	20 A	1			1440 VA	360 VA	1	20 A	GFI Receptacle	36
37	For Dryer (3#8 & 1#10(G) IN1"C)	30 A	2	750 VA	1080 VA			1	20 A	Receptacle	38
39					750 VA	750 VA		2	30 A	For Dryer (3#8 & 1#10(G) IN1"C)	40
41	Receptacle	20 A	1			1440 VA	750 VA				42
43	Receptacle	20 A	1	900 VA	900 VA			1	20 A	Receptacle	44
45	Receptacle	20 A	1		1440 VA	1080 VA		1	20 A	Receptacle	46
47	For Refrigerator / Freezer	20 A	1			1500 VA	900 VA	1	20 A	Receptacle	48
49	For Water Closet	20 A	1	150 VA	360 VA			1	20 A	GFI Receptacle	50
51	GFI Receptacle	20 A	1		360 VA	360 VA		1	20 A	GFI Receptacle	52
53	For Microwave	20 A	1			1500 VA	3000 VA	2	40 A	For Coffee Maker (3#8 & 1#10(G) IN 3/4"C)	54
55	Receptacle	20 A	1	360 VA	3000 VA			1	20 A	Receptacle	56
57	For Microwave	20 A	1		1500 VA	180 VA		1	20 A	Lighting	58
59	Lighting	20 A	1			211 VA	1530 VA	1	20 A	Lighting	60
61	Lighting	20 A	1	303 VA	20 VA			1	20 A	Lighting - Exterior	62
63	Lighting - Exterior	20 A	1		174 VA	65 VA		2	20 A	AC UNITS 9,10 (3#10 & 1#10(G) IN 3/4"C)	64
65	Lighting - Attic	20 A	1			112 VA	65 VA				66
67	Lighting - Exterior *	20 A	1	40 VA	43 VA			2	20 A	SIGNAGE LIGHT (3#10 & 1#10(G) IN 3/4"C)	68
69					5000 VA	0 VA					70
71	For Range (4#6 & 1#8(G) IN 1-1/4"C)	50 A	3			5000 VA	180 VA	1	20 A	GFI Receptacle	72
73				5000 VA	50 VA			1	20 A	Camera	74
75	For Washer	20 A	1		1000 VA	0 VA		1	20 A	Spare	76
77	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	78
79	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	80
81	Spare	20 A	1		0 VA	0 VA		1	20 A	Spare	82
83	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	84
Total Load:				17853 VA	20220 VA	25157 VA					
Total Amps:				149 A	172 A	213 A					
Legend:											
* GFI-TYPE CIRCUIT BREAKER											
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Other		300 VA		100.00%		300 VA					
Lighting		2381 VA		100.00%		2381 VA		Total Conn. Load: 63230 VA			
Power		60553 VA		80.00%		48442 VA		Total Est. Demand: 51120 VA			
								Total Conn.: 176 A			
								Total Est. Demand: 142 A			



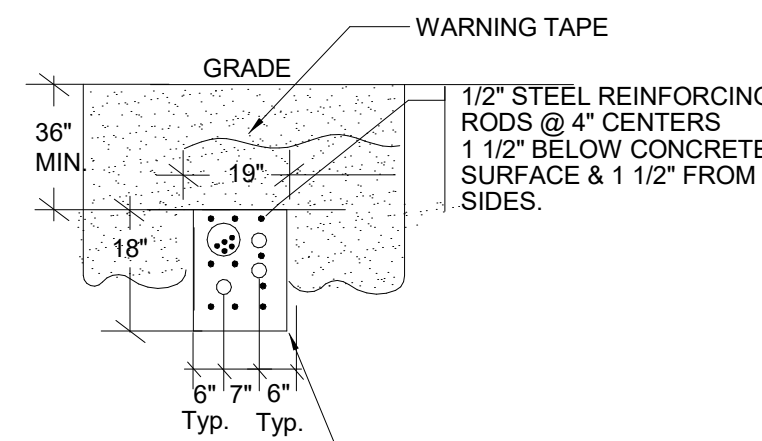
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SCALE: NOT TO SCALE



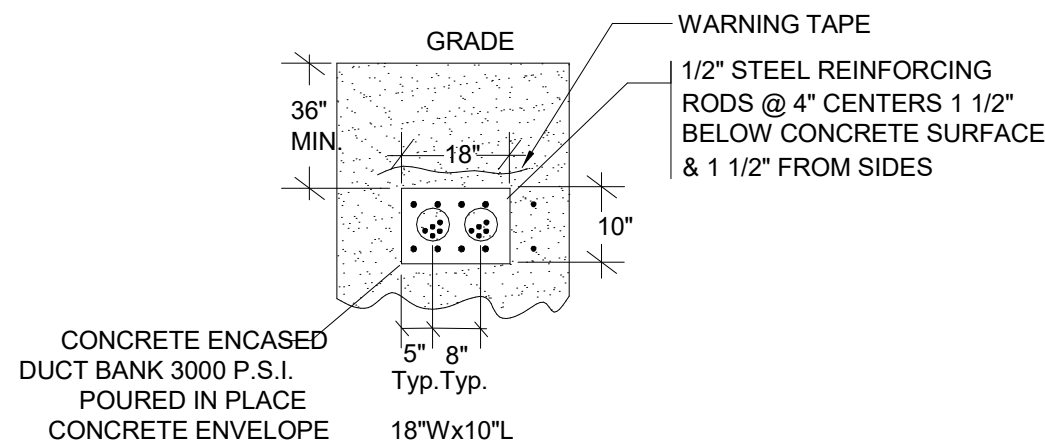
DETAIL "DB-2"
SCALE: NOT TO SCALE



DETAIL "DB-3"
SCALE: NOT TO SCALE



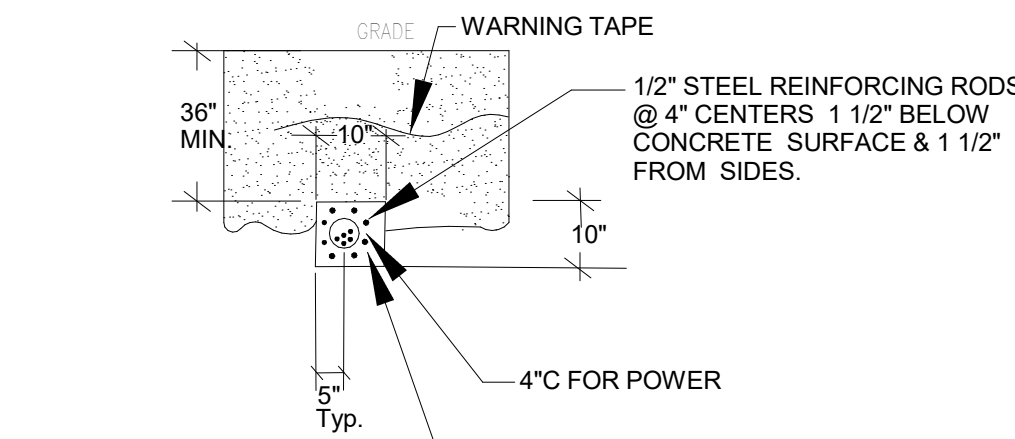
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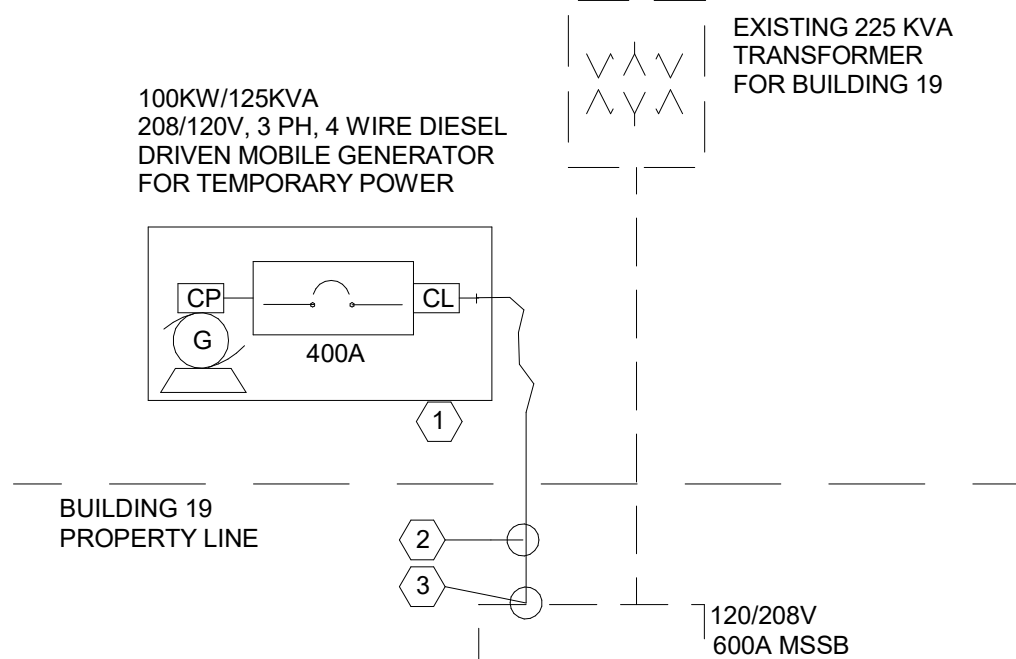
DETAIL "DB-5"
SCALE: NOT TO SCALE

NOTE FOR CONCRETE ENCASED DUCT BANK

- CONDUIT COUPLINGS SHALL BE STAGGERED 6" MIN BETWEEN ANY COUPLINGS.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH 1/4" NYLON DRAGLINE.
- ALL CONDUITS TO BE SEALED ON EACH END WITH PROPERLY SIZED END CAP FITTING TO PREVENT ANY WATER AND OR GAS INFILTRATION INTO THE RESPECTIVE BUILDINGS.
- THE CONDUIT AT BOTH ENDS SHALL BE GRADED UPWARDS FROM 36" & 54" BELOW GRADE TO 24" BELOW GRADE AT A RATE OF RISE OF 2" PER FOOT, (6') TOTAL SO THE SLOPE OF THE CONDUIT SHALL BE AWAY FROM THE BUILDING.
- CONDUITS FOR FIRE ALARM SHALL BE RGS AND ALL OTHER SHALL BE PVC EXCEPT WHERE ENTERING BUILDING, MANHOLE, AND GENERATOR SHALL BE RGS.
- WHEN DUCT BANKS CROSS PARKING LOT/SIDEWALKS OR RUNNING SHALLOW (WITHIN 12" TO GRADE), A 3/8" STEEL PROTECTION PLATE SHALL BE PROVIDED 6" ABOVE THE DUCT BANK ON ENTIRE LENGTH AND WIDTH.
- PROVIDE WARNING TAPE FOR THE ENTIRE LENGTH AND WIDTH OF DUCT BANK AND PLACE 12" ABOVE DUCT BANK.



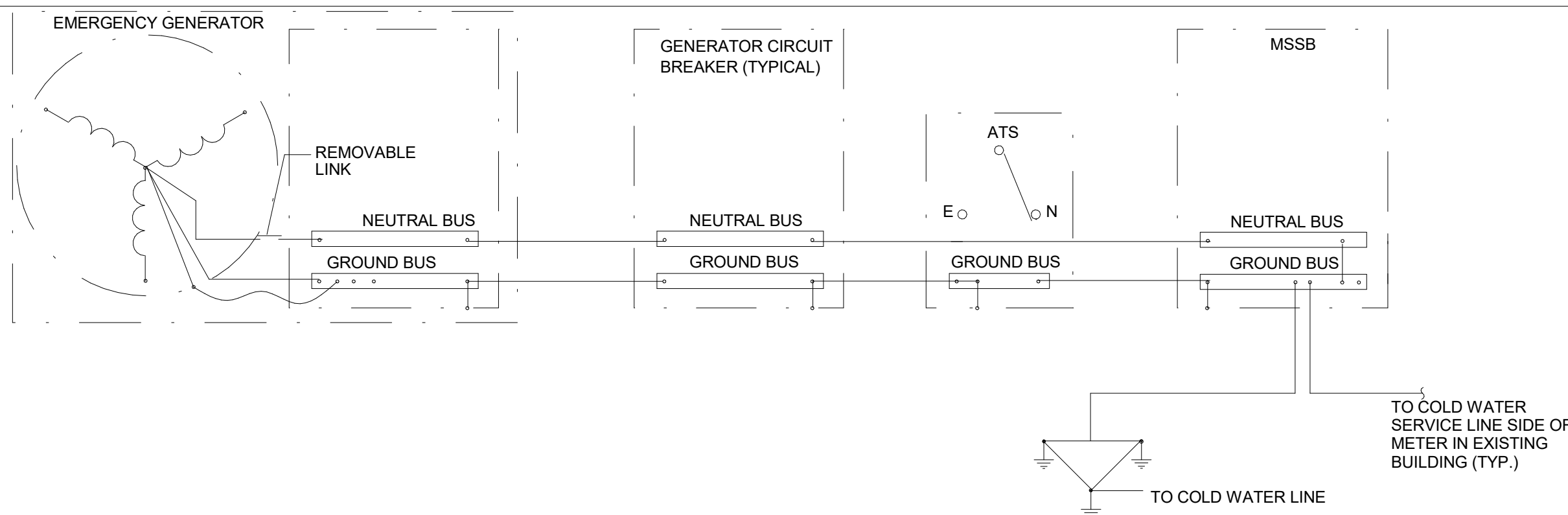
DUCTBANK "DB-6"
SCALE: NOT TO SCALE



**EXISTING BUILDING 19
ONE-LINE DIAGRAM**
N.T.S.

KEY NOTE:

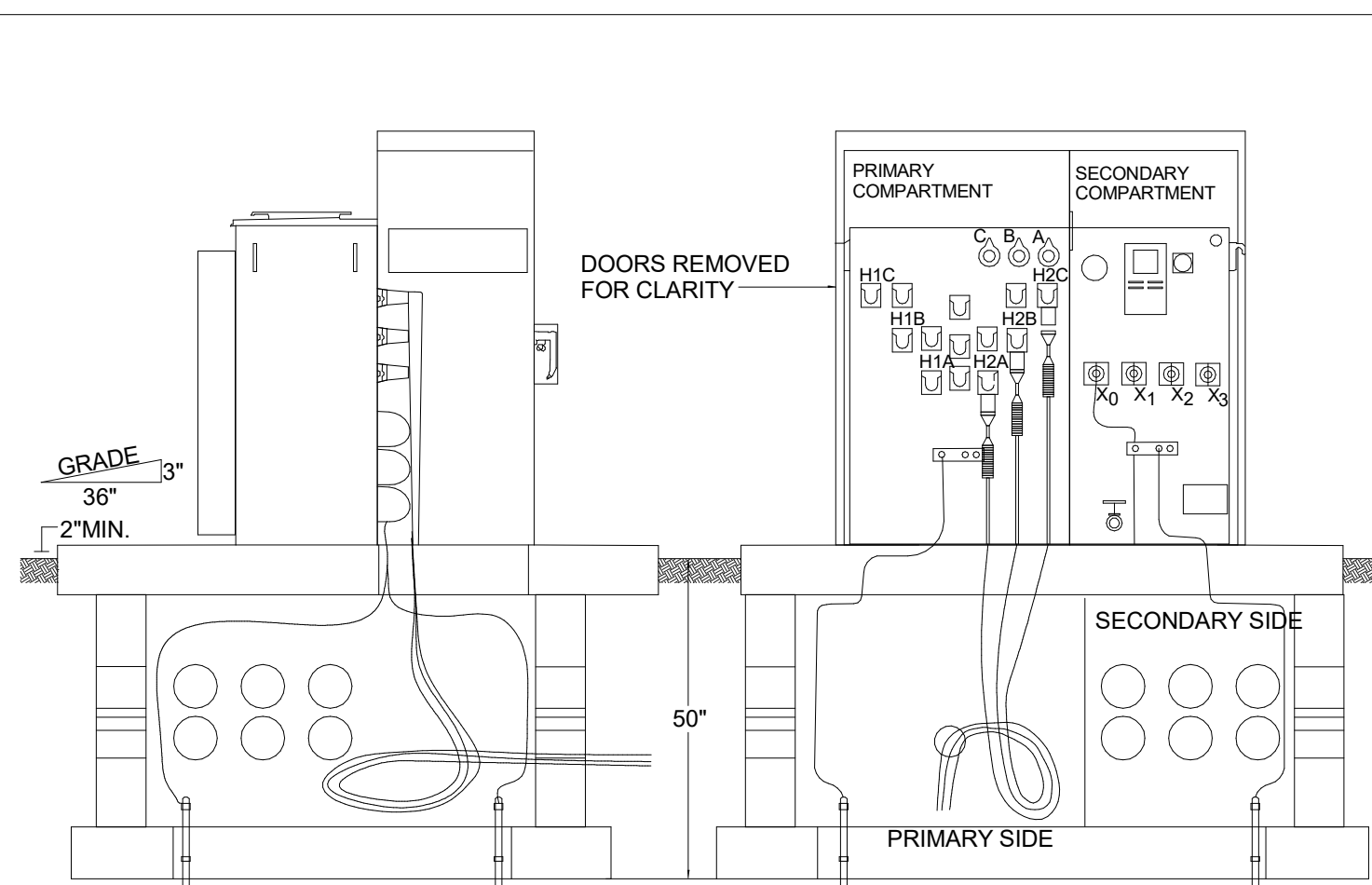
- PROVIDE TEMPORARY GENERATOR IN WEATHER & SOUND PROOF (65db @ 23') ENCLOSURE TO PROVIDE TEMPORARY POWER DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO MAINTAIN BUILDING POWER WITH OUT INTERRUPTION. TEMPORARY POWER ARRANGEMENT SHALL BE COORDINATED WITH FACILITY MANAGEMENT. ELECTRICAL WORK IN ADJOINING AREAS WHICH IS REQUIRED TO FUNCTION BUT AFFECTED BY WORK SHALL BE RECONNECTED AND RESTORED TO ITS PRESENT FUNCTION.
- 5-4/0 SINGLE PHASE GENERATOR CAM-LOCK CABLES. PROVIDE ENCLOSURE ABOVE GROUND TO PROTECT CABLES, FROM GENERATOR TO MSSB. CABLE SHALL BE RATED FOR USE AS TYPE W, G OR G-GC CABLE AT 90°C.
- CONNECT ON THE MAIN BUS BARS AFTER THE METER AND MAIN CB. MODIFY SWITCHBOARD AS REQUIRED TO CONNECT TEMP POWER CABLES. LOCK OFF MAIN CB WHILE ON TEMP POWER.



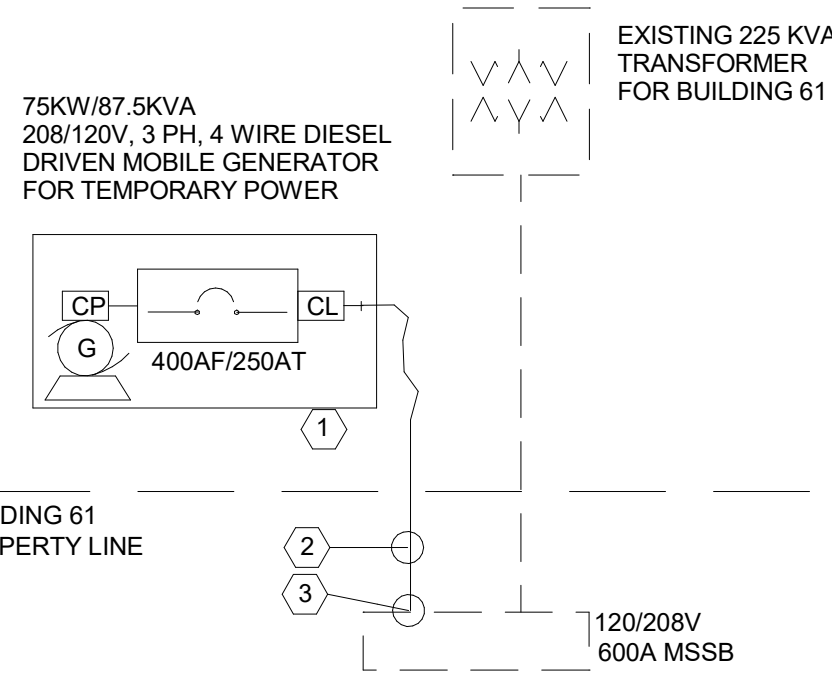
NOTES:

- RUN ALL THE GROUND & NEUTRAL CONDUCTORS FROM GENERATOR AND ELECTRIC SERVICE SWITCHBOARDS TO PANELS, DISTRIBUTION BOARDS, ATS'S, ETC WITH FEEDERS. SIZE GROUND AND NEUTRAL CONDUCTORS AS PER SCHEDULES AND ONE-LINE DIAGRAMS.
- RUN 1#4/0 BARE COPPER CONDUCTOR IN 1" C. FOR ALL THE GROUND CONDUCTORS FROM GENERATOR AND ELECTRICAL SERVICE SWITCHBOARDS TO COLD WATER SERVICE AND GROUND RODS.
- PROVIDE BONDING AND BUSHING ON EACH END OF CONDUITS.
- ALL GROUNDING CONNECTIONS SHALL BE EXOTHERMIC WELD TYPE.

1 ELECTRICAL SYSTEMS GROUNDING DIAGRAM (DIAGRAMMATIC ONLY)
NOT TO SCALE



2 PAD MOUNTED TRANSFORMER ON PAD
NOT TO SCALE



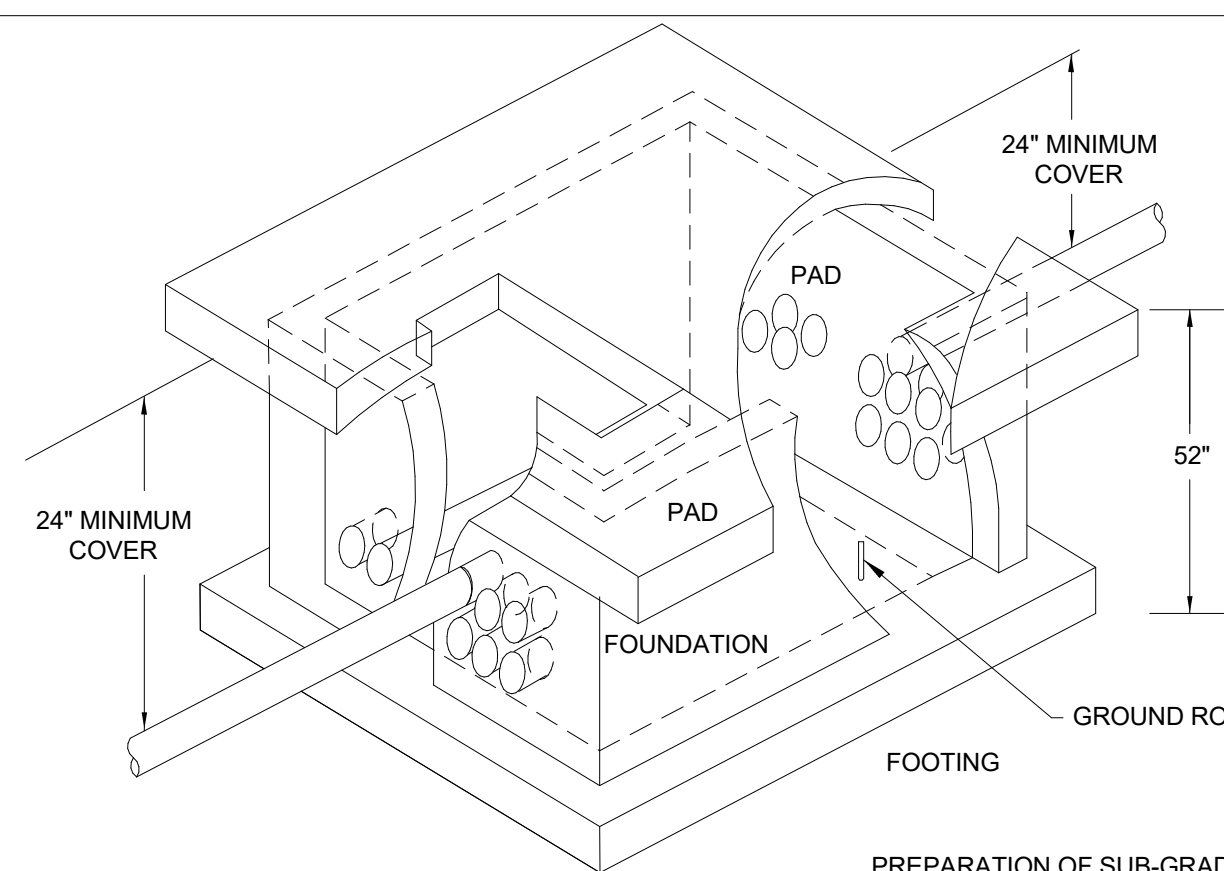
**EXISTING BUILDING 61
ONE-LINE DIAGRAM**
N.T.S.

KEY NOTE:

- PROVIDE TEMPORARY GENERATOR IN WEATHER & SOUND PROOF (65db @ 23') ENCLOSURE TO PROVIDE TEMPORARY POWER DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO MAINTAIN BUILDING POWER WITH OUT INTERRUPTION. TEMPORARY POWER ARRANGEMENT SHALL BE COORDINATED WITH FACILITY MANAGEMENT. ELECTRICAL WORK IN ADJOINING AREAS WHICH IS REQUIRED TO FUNCTION BUT AFFECTED BY WORK SHALL BE RECONNECTED AND RESTORED TO ITS PRESENT FUNCTION.
- 5-4/0 SINGLE PHASE GENERATOR CAM-LOCK CABLES. PROVIDE ENCLOSURE ABOVE GROUND TO PROTECT CABLES, FROM GENERATOR TO MSSB. CABLE SHALL BE RATED FOR USE AS TYPE W, G OR G-GC CABLE AT 90°C.
- CONNECT ON THE MAIN BUS BARS AFTER THE METER AND MAIN CB. MODIFY SWITCHBOARD AS REQUIRED TO CONNECT TEMP POWER CABLES. LOCK OFF MAIN CB WHILE ON TEMP POWER.

NOTES:

- REFER TO DWG. E-001 FOR SYMBOL LIST, ABBREVIATIONS AND NOTES.
- REFER TO DWG. E-002 FOR ELECTRICAL ONE LINE DIAGRAM AND SCHEDULES.
- REFER TO DWG. E-003 FOR ELECTRICAL SCHEDULES.
- REFER TO DWGS. E-004 AND E-006 FOR ELECTRICAL DETAILS AND LIGHT FIXTURE SCHEDULES.
- REFER TO DWG. E-007 FOR ELECTRICAL SITE PLAN.



- PREPARATION OF SUB-GRADE FOR FOOTING AND FOUNDATION.
- INSTALL TWO (2) 1/2" X 8' COPPERWELD GROUND RODS DRIVEN FLUSH WITH THE TOP OF THE FOOTING (6' APART).

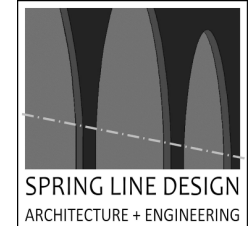
3 THREE PHASE PADMOUNTED TRANSFORMER - FOOTING AND FOUNDATION
NOT TO SCALE

CONSULTANT:
CERTIFICATE OF AUTHORIZATION: 0021274



Architectural Resources

LAKHANI & JORDAN
ENGINEERS, P.C.



Tectonic
Tectonic Engineering Consultants, Geologists & Land Surveyors, P.C.



WARNING:

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WE HEREBY AFFIRM THAT TO THE BEST OF OUR KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE AND THE 2020 NEW YORK STATE UNIFORM BUILDING CODE.

REGISTRATION EXPIRES:
12/31/2026

CONTRACT: ELECTRICAL

TITLE: **PROVIDE TRANSITIONAL RESIDENCE, SOUTH CAMPUS CREEDMOOR PSYCHIATRIC CENTER**

LOCATION: 80-45 WINCHESTER BLVD
QUEENS, NY

CLIENT: OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION
3	06/12/2026	Addendum #3
	07/18/2025	BID DOCUMENTS

PROJECT NUMBER:	47688-E
DESIGNED BY:	AS
DRAWN BY:	AK
FIELD CHECK:	
APPROVED:	

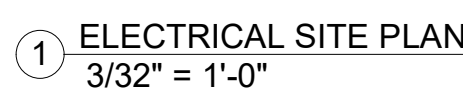
SHEET TITLE:

ELECTRICAL DETAILS

DRAWING NUMBER:

E-005

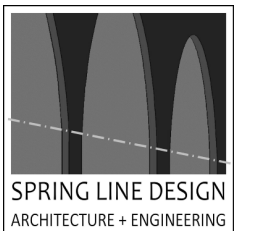
SHEET OF



8. ALL THE BENDS SHALL BE LONG RADIUS.
9. MANHOLES SHALL BE MINIMUM 4'Wx5'Lx6'H. CONTRACTOR SHALL SIZE THE MANHOLE TO COMPLY WITH CODE.



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FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE
NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS
AND IS A CLASS 'A' MISDEMEANOR.



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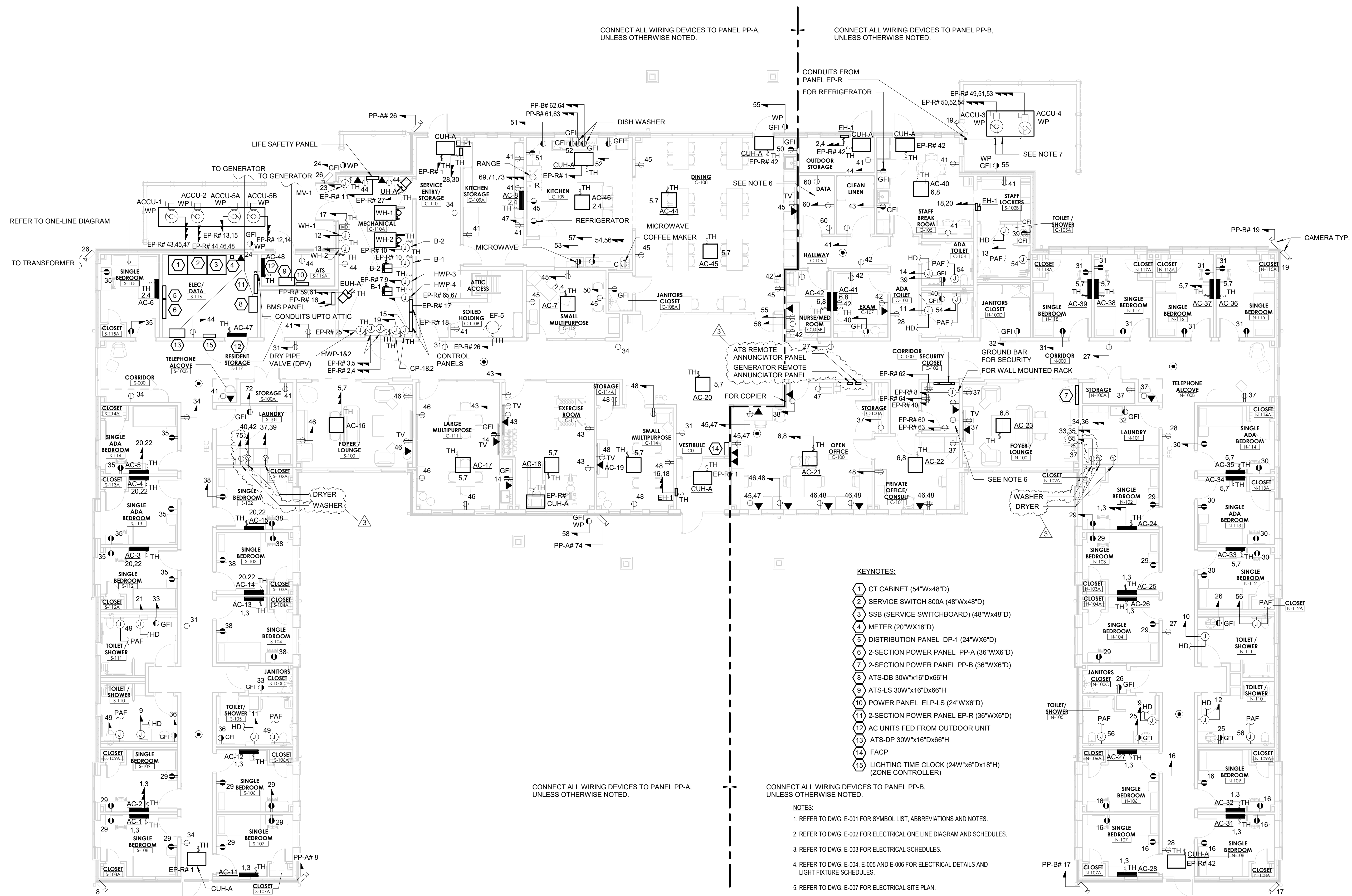
REGISTRATION EXPIRES:
12/31/2026

CONTRACT: ELECTRICAL

TITLE: **PROVIDE TRANSITIONAL RESIDENCE,
SOUTH CAMPUS CREEDMOOR
PSYCHIATRIC CENTER**

80-45 WINCHESTER BLVD
QUEENS, NY

CLIENT: OFFICE OF MENTAL HEALTH



1 ELECTRICAL POWER FIRST FLOOR PLAN - OVERALL

$$1/8'' = 1'-0''$$

KEYNOTES:

- 1 CT CABINET (54"Wx48"D)
- 2 SERVICE SWITCH 800A (48"Wx48"D)
- 3 SSB (SERVICE SWITCH BOARD) (48"Wx48"D)
- 4 METER (20"Wx18"D)
- 5 DISTRIBUTION PANEL DP-1 (24"Wx6"D)
- 6 2-SECTION POWER PANEL PP-A (36"Wx6"D)
- 7 2-SECTION POWER PANEL PP-B (36"Wx6"D)
- 8 ATS-D 30W"x16"Dx66"H
- 9 ATS-L 30W"x16"Dx66"H
- 10 POWER PANEL ELP-L (24"Wx6"D)
- 11 2-SECTION POWER PANEL PP-R (36"Wx6"D)
- 12 AC UNITS FED FROM OUTDOOR UNIT
- 13 ATS-DP 30W"x16"Dx66"H
- 14 FACP
- 15 LIGHTING TIME CLOCK (24W"x6"Dx18"H)
(ZONE CONTROLLER)

NOTES:

1. REFER TO DWG. E-001 FOR SYMBOL LIST, ABBREVIATIONS AND NOTES.
2. REFER TO DWG. E-002 FOR ELECTRICAL ONE LINE DIAGRAM AND SCHEDULES.
3. REFER TO DWG. E-003 FOR ELECTRICAL SCHEDULES.
4. REFER TO DWG. E-004, E-005 AND E-006 FOR ELECTRICAL DETAILS AND LIGHT FIXTURE SCHEDULES.
5. REFER TO DWG. E-007 FOR ELECTRICAL SITE PLAN.
6. FURNISH AND INSTALL A 2-POST LADDER RACK WITH APPROPRIATE OVERHEAD CABLE RACKS, PATCH PANEL, AND TERMINATING ALL CABLES TO THE PATCH PANEL. PROVIDE 2HR RATED PLYWOOD ON ALL THE WALLS.
7. RUN #4 & 1#10(I) IN 1-1/2" ABOVE GRADE FOR ACCU UP FROM ATTIC. PROVIDE SUPPORTS FOR CONDUIT.
8. PROVIDE J-HOOKS ABOVE CEILING EVERY 5' FROM IT CLOSET C-106C TO EVERY DEVICE TO RUN LOW VOLTAGE CABLES.

ELECTRICAL POWER
FIRST FLOOR PLAN -
OVERALL

DRAWING NUMBER:

E-101

SHEET OF