



Office of General Services

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

ADDENDUM NO. 2 TO PROJECT NO. 47477

CONSTRUCTION, HVAC, PLUMBING AND ELECTRICAL WORK RENOVATE ARMORY STATE ARMORY 2 QUINCY PLACE YONKERS, NY

October 2, 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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BIDDING REQUIREMENTS - COMMON

1. DOCUMENT 001114 ADVERTISEMENT FOR BIDS: The last date for receipt of bids is changed from Wednesday, October 7, 2026., to Wednesday, October 14, 2026.

CONSTRUCTION WORK SPECIFICATIONS

2. SECTION 055000 METAL FABRICATIONS: Discard all previously issued versions of this Section and substitute the accompanying Section noted "ADDENDUM 02 10/02/2026".
3. DOCUMENT 096536 STATIC CONTROL RESILIENT FLOORING: Add the accompanying Document to the Project Manual.
4. DOCUMENT 096813 TILE CARPETING: Discard all previously issued versions of this Section and substitute the accompanying Section noted "ADDENDUM 02 10/02/2026".
5. SECTION 098436 SOUND ABSORBING CEILING UNITS: Discard all previously issued versions of this Section and substitute the accompanying Section noted "ADDENDUM 02 10/02/2026".
6. SECTION 102116.19 PLASTIC SHOWER COMPARTMENTS: Discard all previously issued versions of this Section and substitute the accompanying Section noted "ADDENDUM 02 10/02/2026".

CONSTRUCTION WORK APPENDIX

7. SCHEDULE OF SUBMITTALS: Discard all previously issued versions of this Section and substitute the accompanying Section noted "Updated 10/1/2026".

ELECTRICAL WORK SPECIFICATIONS

8. SECTION 262816 ENCLOSED SWITCHES AND CIRCUIT BREAKERS: Discard all previously issued versions of this Section and substitute the accompanying Section noted "ADDENDUM 02 10/02/2026".

CONSTRUCTION WORK DRAWINGS

9. Drawing No. A-201:
 - a. ADD General Note: "Provide masonry cleaning to all extents of exterior masonry."
10. Drawing No. A-202:
 - a. ADD General Note: "Provide masonry cleaning to all extents of exterior masonry."
11. Revised Drawings:
 - a. Drawing Nos. AD-101, A-104, A-105, A-201, A-202, A-213, A-215, A-412, A-415, I-102, I-602, and I-603, noted Addendum 2, dated 09/23/2026, accompanies this Addendum and supersedes same numbered previously issued drawings.

ELECTRICAL WORK DRAWINGS

12. Revised Drawings:
 - a. Drawing Nos. E-100, E-101, E-102, E-200, E-201, E-601, and E-701, noted Addendum 2, dated 09/23/2026, accompanies this Addendum and supersedes the same numbered previously issued drawings.

PLUMBING WORK DRAWINGS

13. Revised Drawing:
 - a. Drawing No. P-202, noted Addendum 2, dated 09/23/2026, accompanies this Addendum and supersedes the same numbered previously issued drawing.

END OF ADDENDUM

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

SECTION 055000 - METAL FABRICATIONS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Steel framing and supports for ceiling-hung toilet compartments.
2. Steel framing and supports for operable partitions.
3. Steel framing and supports for overhead doors.
4. Steel framing and supports for countertops.
5. Steel framing and supports for mechanical and electrical equipment.
6. Steel framing and supports for applications where framing and supports are not specified in other Sections.
7. Elevator machine beams hoist beams.
8. Storage room cages.
9. Steel shapes for supporting elevator door sills.
10. Slotted channel framing.
11. Shelf angles.
12. Metal ladders.
13. Floor grating.
14. Elevator pit sump covers.
15. Metal downspout boots.

B. Products furnished, but not installed, under this Section include the following:

1. Loose steel lintels.
2. Anchor bolts, steel pipe sleeves, slotted-channel inserts, and wedge-type inserts indicated to be cast into concrete or built into unit masonry.
3. Steel weld plates and angles for casting into concrete for applications where they are not specified in other Sections.

C. Related Requirements:

1. Section 042000 "Unit Masonry" for installing loose lintels, anchor bolts, and other items built into unit masonry.
2. Section 051200 "Structural Steel Framing" for steel framing, supports, elevator machine beams, hoist beams, door frames, and other steel items attached to the structural-steel framing.
3. Section 077200 "Roof Accessories" for manufactured metal roof walkways and metal roof stairs.

1.2 COORDINATION

- A. Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written instructions to ensure that shop primers and topcoats are compatible with one another.
- B. Coordinate installation of metal fabrications that are anchored to or that receive other work. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

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 the following:
 - 1. Fasteners.
 - 2. Shop primers.
 - 3. Shrinkage-resisting grout.
 - 4. Manufactured metal ladders.
 - 5. Metal bollards.
 - 6. Floor Grating.
 - 7. Welded-wire mesh.
 - 8. Metal downspout boots.
- E. Submit an Environmental Product Declaration (EPD) from the manufacturer for structural steel and slotted channel framing 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. Shop Drawings: Show fabrication and installation details. Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items. Provide Shop Drawings for the following:
 - 1. Steel framing and supports for ceiling-hung toilet compartments.
 - 2. Steel framing and supports for operable partitions.
 - 3. Steel framing and supports for overhead doors.
 - 4. Steel framing and supports for countertops.
 - 5. Steel framing and supports for mechanical and electrical equipment.

6. Steel framing and supports for applications where framing and supports are not specified in other Sections.
 7. Elevator machine beams hoist beams.
 8. Steel framing and supports for steel storage room cages.
 9. Steel shapes for supporting elevator door sills.
 10. Shelf angles.
 11. Metal ladders.
 12. Floor Grating.
 13. Elevator pit sump covers.
 14. Miscellaneous steel trim including [steel angle corner guards] [steel edgings].
 15. Metal bollards.
 16. Loose steel lintels.
- G. Qualification Data: For professional engineer's experience with providing delegated-design engineering services of the kind indicated, including documentation that engineer is licensed and registered in New York State.
- H. Mill Certificates: Signed by stainless steel manufacturers, certifying that products furnished comply with requirements.
- I. Welding certificates.
- J. Paint Compatibility Certificates: From manufacturers of topcoats applied over shop primers, certifying that shop primers are compatible with topcoats.
- K. Research Reports: For post-installed anchors.
- L. Source quality-control reports.
1. Documentation to confirm compliance with General Conditions Article 25.4 Domestic Steel.
- 1.4 CLOSEOUT SUBMITTALS
- A. Maintenance Data: For wire mesh storage room cage hardware to include in maintenance manuals.
- 1.5 QUALITY ASSURANCE
- A. Welding Qualifications: Qualify procedures and personnel in accordance with the following:
1. AWS D1.1, "Structural Welding Code - Steel."
 2. AWS D1.2, "Structural Welding Code - Aluminum."
 3. AWS D1.6, "Structural Welding Code - Stainless Steel."
 4. For metals other than the ones listed above provide relevant welding qualifications and 5 years minimum relevant experience.

- B. If the value of the contract exceeds \$100,000 all structural steel, reinforcing steel and other major steel items to be incorporated in the Work of this Contract shall be produced and made in whole or substantial part in the United States, its territories or possessions.
- C. Woven Wire Standards: Comply with standards and specifications of the Woven Wire Product Association.

1.6 FIELD CONDITIONS

- A. Field Measurements: Verify actual locations of walls, floor slabs, decks, and other construction contiguous with metal fabrications by field measurements before fabrication.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver wire mesh items with cardboard protectors on perimeters of panels and doors and with posts wrapped to provide protection during transit and Project-site storage. Use vented plastic.
- B. Inventory wire mesh partition door hardware on receipt and provide secure lockup for wire mesh partition door hardware delivered to Project site.
 - 1. Tag each item or package separately with identification and include basic installation instructions with each item or package.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Structural Performance of Aluminum Ladders: Ladders, including landings, shall withstand the effects of loads and stresses within limits and under conditions specified in ANSI A14.3 and applicable OSHA standards.
- B. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes acting on exterior metal fabrications by preventing buckling, opening of joints, overstressing of components, failure of connections, and other detrimental effects.
 - 1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

2.2 METALS

- A. Metal Surfaces, General: Provide materials with smooth, flat surfaces unless otherwise indicated. For metal fabrications exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.
- B. Wide Flange Structural Steel Shapes: ASTM A992 , Grade 50, UNO.

- C. Rolled-Steel Floor Plate: ASTM A786, rolled from plate complying with ASTM A36 or ASTM A283, Grade C or D.
- D. Structural Steel Tubing: ASTM A500, cold-formed steel tubing.
- E. Structural Steel Pipe: ASTM A53, Standard Weight (Schedule 40) unless otherwise indicated.
- F. Steel Plates, Channels, Angles, and Bars: ASTM A36.
- G. Aluminum Plate and Sheet: ASTM B209, Alloy 6061-T6.
- H. Aluminium Extrusions: ASTM B221, Alloy 6063-T6.
- I. Welded-Wire Mesh: Woven 1 ¼ inch x 2 ½ inch rectangular 10 ga mesh steel wire complying with ASTM A510.

2.3 FASTENERS

- A. General: Unless otherwise indicated, provide Type 304 stainless steel fasteners for exterior use and zinc-plated fasteners with coating complying with ASTM B633 or ASTM F1941, Class Fe/Zn 5, at exterior walls. Select fasteners for type, grade, and class required.
 - 1. Provide stainless steel fasteners for fastening aluminum.
- B. Steel Bolts and Nuts: Regular hexagon-head bolts, ASTM A307, Grade A; with hex nuts, ASTM A563; and, where indicated, flat washers.
- C. High-Strength Bolts, Nuts, and Washers: ASTM F3125, Grade A325 or A440 as noted, Type 3, heavy-hex steel structural bolts; ASTM A563, Grade DH3, heavy-hex carbon-steel nuts; and where indicated, flat washers.
- D. Stainless Steel Bolts and Nuts: Regular hexagon-head annealed stainless steel bolts, ASTM F593; with hex nuts, ASTM F594; and, where indicated, flat washers; Alloy Group 1.
- E. Anchor Bolts: ASTM F1554, Grade 36 or as noted, of dimensions indicated; with nuts, ASTM A563; and, where indicated, flat washers.
 - 1. Hot-dip galvanize or provide mechanically deposited, zinc coating where item being fastened is indicated to be galvanized.
- F. Anchors, General: Capable of sustaining, without failure, a load equal to six times the load imposed when installed in unit masonry and four times the load imposed when installed in concrete, as determined by testing in accordance with ASTM E488, conducted by a qualified independent testing agency.
- G. Cast-in-Place Anchors in Concrete: Either threaded, deformed, or headed type unless otherwise indicated; galvanized ferrous castings, either ASTM A47 malleable iron or ASTM A27 cast steel. Provide bolts, washers, and shims as needed, all hot-dip galvanized per ASTM F2329.
- H. Post-Installed Anchors: Torque-controlled expansion anchors or chemical anchors.

1. Material for Interior Locations: Carbon-steel components zinc plated to comply with ASTM B633 or ASTM F1941, Class Fe/Zn 5, unless otherwise indicated.
2. Material for Interior Locations Where Stainless Steel Is Indicated: Alloy Group 1 stainless steel bolts, ASTM F593, and nuts, ASTM F594.
3. Material for Exterior Locations: Alloy Group 2 stainless-steel bolts, ASTM F593, and nuts, ASTM F594.

2.4 MISCELLANEOUS MATERIALS

- A. Shop Primers: Provide primers that comply with Section 099123 "Interior Painting."
- B. Universal Shop Primer: Fast-curing, lead- and chromate-free, universal modified-alkyd primer complying with MPI#79 and compatible with topcoat.
 1. Use primer containing pigments that make it easily distinguishable from zinc-rich primer.
- C. Water-Based Primer: Emulsion type, anticorrosive primer for mildly corrosive environments that is resistant to flash rusting when applied to cleaned steel, complying with MPI#107 and compatible with topcoat.
- D. Epoxy Zinc-Rich Primer: Complying with MPI#20 and compatible with topcoat.
- E. Shop Primer for Galvanized Steel: Primer formulated for exterior use over zinc-coated metal and compatible with finish paint systems indicated.
- F. Galvanizing Repair Paint: High-zinc-dust-content paint complying with SSPC-Paint 20 and compatible with paints specified to be used over it.
- G. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187.
- H. Shrinkage-Resistant Grout: Factory-packaged, nonmetallic, nonstaining, noncorrosive, nongaseous grout complying with ASTM C1107. Provide grout specifically recommended by manufacturer for interior and exterior applications.
- I. Concrete: Comply with requirements in Section 033000 "Cast-in-Place Concrete" for normal-weight, air-entrained concrete with a minimum 28-day compressive strength of 3000 psi.
- J. Swinging Doors: Fabricated from same mesh as partitions, with framing fabricated from 1-1/2-by-1 1/2- 3/16" steel angles and with 1/8-inch- thick angle strike bar and cover on strike jamb.
 1. Hinges: Full-surface type, 3-by-3-inch steel, three per door; welded to door and jamb framing.
 2. Padlock Lug: Mortised into door framing.

2.5 FABRICATION, GENERAL

- A. Shop Assembly: Preassemble items in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.

- B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.
- C. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.
- D. Form exposed work with accurate angles and surfaces and straight edges.
- E. Weld corners and seams continuously to comply with the following:
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove welding flux immediately.
 - 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing.
- F. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners or welds where possible. Where exposed fasteners are required, use Phillips flat-head (countersunk) fasteners unless otherwise indicated. Locate joints where least conspicuous.
- G. Fabricate seams and other connections that are exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate.
- H. Cut, reinforce, drill, and tap metal fabrications as indicated to receive finish hardware, screws, and similar items.
- I. Provide for anchorage of type indicated; coordinate with supporting structure. Space anchoring devices to secure metal fabrications rigidly in place and to support indicated loads.
- J. Where units are indicated to be cast into concrete or built into masonry, equip with integrally welded steel strap anchors, 1/8 by 1-1/2 inches, with a minimum 6-inch embedment and 2-inch hook, not less than 8 inches from ends and corners of units and 24 inches o.c., unless otherwise indicated.

2.6 MISCELLANEOUS FRAMING AND SUPPORTS

- A. General: Provide steel framing and supports not specified in other Sections as needed to complete the Work.
- B. Fabricate units from steel shapes, plates, and bars of welded construction unless otherwise indicated. Fabricate to sizes, shapes, and profiles indicated and as necessary to receive adjacent construction.
 - 1. Fabricate units from slotted channel framing where indicated.
 - 2. Furnish inserts for units installed after concrete is placed.
- C. Fabricate supports for operable partitions from continuous steel beams of sizes indicated with attached bearing plates, anchors, and braces as recommended by partition manufacturer. Drill or

punch bottom flanges of beams to receive partition track hanger rods; locate holes where indicated on operable partition Shop Drawings.

- D. Galvanize miscellaneous framing and supports where indicated.
- E. Prime miscellaneous framing and supports with zinc-rich primer where indicated.

2.7 SHELF ANGLES

- A. Fabricate shelf angles from steel angles of sizes indicated and for attachment to concrete framing. Provide horizontally slotted holes to receive 3/4-inch bolts, spaced not more than 6 inches from ends and 24 inches o.c., unless otherwise indicated.
 - 1. Provide mitered and welded units at corners.
 - 2. Provide open joints in shelf angles at expansion and control joints. Make open joint approximately 2 inches larger than expansion or control joint.
- B. For cavity walls, provide vertical channel brackets to support angles from backup masonry and concrete.
- C. Galvanize and prime shelf angles located in exterior walls.
- D. Prime shelf angles located in exterior walls with zinc-rich primer.
- E. Furnish wedge-type concrete inserts, complete with fasteners, to attach shelf angles to cast-in-place concrete.

2.8 METAL LADDERS

- A. General:
 - 1. Comply with ANSI A14.3, except for elevator pit ladders.
 - 2. For elevator pit ladders, comply with ASME A17.1/CSA B44.
- B. Steel Ladders:
 - 1. Space siderails 18 inches apart unless otherwise indicated.
 - 2. Siderails: Continuous, 3/8-by-2-1/2-inch steel flat bars, with eased edges unless otherwise indicated.
 - 3. Rungs: 1-inch- square, steel bars.
 - 4. Fit rungs in centerline of siderails; plug-weld and grind smooth on outer rail faces.
 - 5. Provide nonslip surfaces on top of each rung, either by coating rung with aluminum-oxide granules set in epoxy-resin adhesive or by using a type of manufactured rung filled with aluminum-oxide grout.
 - 6. Source Limitations: Obtain nonslip surfaces from single source from single manufacturer.
 - 7. Provide platforms as indicated fabricated from welded or pressure-locked steel bar grating, supported by steel angles. Limit openings in gratings to no more than 3/4 inch in least dimension.

8. Support each ladder at top and bottom and not more than 60 inches o.c. with welded or bolted steel brackets.
9. Galvanize and prime exterior ladders, including brackets.
10. Prime [exterior]ladders, including brackets and fasteners, with zinc-rich primer.

2.9 STRUCTURAL-STEEL DOOR FRAMES

- A. Fabricate structural-steel door frames from steel shapes, plates, and bars of size and to dimensions indicated, fully welded together, with 5/8-by-1-1/2-inch steel channel stops, unless otherwise indicated. Plug-weld built-up members and continuously weld exposed joints. Secure removable stops to frame with countersunk machine screws, uniformly spaced at not more than 10 inches o.c. Reinforce frames and drill and tap as necessary to accept finish hardware.
 1. Provide with integrally welded steel strap anchors for securing door frames into adjoining concrete or masonry.
- B. Extend bottom of frames to floor elevation indicated with steel angle clips welded to frames for anchoring frame to floor with expansion shields and bolts.
- C. Galvanize and prime exterior steel frames.
- D. Prime [exterior]steel frames with zinc-rich primer.

2.10 FLOOR GRATING

- A. Grating: Rectangular, welded steel bar grating designed to support 200 lb/sq ft with deflection not exceeding 1/180. Fabricate with bearing bars on edge, and with all intersecting and abutting members joined by the electro-pressure welding method for the full depth of cross bar. Steel Bars: ASTM A 569.
 1. Top Surface of Bearing Bars: Plain.
 2. Finish: Galvanized.
 3. Fasteners for Removable Panels: Saddle clip anchor assembly, with self-drilling screw or weldable stud bolt. Clips shall have same finish as grating.
 4. Banding: Continuous steel bar of same material and size as bearing bars, welded to grating panel.
 5. Toeplate: Flat steel bar curb secured to outer edge of grating where shown.

2.11 MISCELLANEOUS STEEL TRIM

- A. Unless otherwise indicated, fabricate units from steel shapes, plates, and bars of profiles shown with continuously welded joints and smooth exposed edges. Miter corners and use concealed field splices where possible.
- B. Provide cutouts, fittings, and anchorages as needed to coordinate assembly and installation with other work.

1. Provide with integrally welded steel strap anchors for embedding in concrete or masonry construction.
- C. Galvanize and prime exterior miscellaneous steel trim.
- D. Prime exterior miscellaneous steel trim with zinc-rich primer.

2.12 DOWNSPOUT GUARDS

- A. Fabricate downspout guards from 3/8-inch- thick by 12-inch- wide, steel plate, bent to fit flat against the wall or column at both ends and to fit around pipe with 2-inch clearance between pipe and pipe guard. Drill each end for two 3/4-inch anchor bolts.
- B. Galvanize steel downspout guards.
- C. Prime steel downspout guards with zinc-rich primer.

2.13 METAL DOWNSPOUT BOOTS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 1. J.R. Hoe & Sons Inc.
 2. Neenah Foundry Company.
 3. Approved equivalent.
- B. Source Limitations: Obtain downspout boots from single source from single manufacturer.
- C. Provide downspout boots made from cast iron in heights indicated with inlets of size and shape to suit downspouts. Provide units with flanges and holes for countersunk anchor bolts.
 1. Outlet: Vertical, to discharge into pipe.
- D. Prime cast-iron downspout boots with zinc-rich primer.

2.14 LOOSE BEARING AND LEVELING PLATES

- A. Provide loose bearing and leveling plates for steel items bearing on masonry or concrete construction. Drill plates to receive anchor bolts and for grouting.
- B. Galvanize exterior bearing and leveling plates.
- C. Prime interior plates with zinc-rich primer.

2.15 LOOSE STEEL LINTELS

- A. Fabricate loose steel lintels from steel angles and shapes of size indicated for openings and recesses in masonry walls and partitions at locations indicated. Fabricate in single lengths for each opening unless otherwise indicated. Weld adjoining members together to form a single unit where indicated.
- B. Size loose lintels to provide bearing length at each side of openings equal to 1/12 of clear span, but not less than 8 inches unless otherwise indicated.
- C. Galvanize and prime loose steel lintels located in exterior walls.
- D. Prime loose steel lintels located in interior walls with zinc-rich primer.

2.16 STEEL WELD PLATES AND ANGLES

- A. Provide steel weld plates and angles not specified in other Sections, for items supported from concrete construction as needed to complete the Work. Provide each unit with no fewer than two integrally welded steel anchors for embedding in concrete.

2.17 GENERAL FINISH REQUIREMENTS

- A. Finish metal fabrications after assembly.
- B. Finish exposed surfaces to remove tool and die marks and stretch lines, and to blend into surrounding surface.

2.18 STEEL AND IRON FINISHES

- A. Galvanizing: Hot-dip galvanize items as indicated to comply with ASTM A153 for steel and iron hardware and with ASTM A123 for other steel and iron products.
 - 1. Do not quench or apply post galvanizing treatments that might interfere with paint adhesion.
- B. Preparation for Shop Priming Galvanized Items: After galvanizing, thoroughly clean galvanized surfaces of grease, dirt, oil, flux, and other foreign matter, and treat with metallic phosphate process.
- C. Shop prime iron and steel items not indicated to be galvanized unless they are to be embedded in concrete, sprayed-on fireproofing, or masonry, or unless otherwise indicated.
 - 1. Shop prime with universal shop primer unless zinc-rich primer is indicated.
- D. Preparation for Shop Priming: Prepare surfaces to comply with SSPC-SP 6/NACE No. 3, "Commercial Blast Cleaning" & SSPC-SP 3, "Power Tool Cleaning" requirements indicated below:

1. Exterior Items: SSPC-SP 6/NACE No. 3, "Commercial Blast Cleaning."
 2. Items Indicated to Receive Zinc-Rich Primer: SSPC-SP 6/NACE No. 3, "Commercial Blast Cleaning."
 3. Other Steel Items: SSPC-SP 3, "Power Tool Cleaning."
 4. Galvanized-Steel Items: SSPC-SP 16, "Brush-off Blast Cleaning of Coated and Uncoated Galvanized Steel, Stainless Steels, and Non-Ferrous Metals."
- E. Shop Priming: Apply shop primer to comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," for shop painting.
1. Stripe paint corners, crevices, bolts, welds, and sharp edges.

2.19 ALUMINUM FINISHES

- A. As-Fabricated Finish: AA-M12.
- B. Clear Anodic Finish: AAMA 611, Class I, AA-M12C22A41.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal fabrications. Set metal fabrications accurately in location, alignment, and elevation; with edges and surfaces level, plumb, true, and free of rack; and measured from established lines and levels.
- B. Fit exposed connections accurately together to form hairline joints. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Do not weld, cut, or abrade surfaces of exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.
- C. Field Welding: Comply with the following requirements:
 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 2. Obtain fusion without undercut or overlap.
 3. Remove welding flux immediately.
 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
- D. Fastening to In-Place Construction: Provide anchorage devices and fasteners where metal fabrications are required to be fastened to in-place construction. Provide threaded fasteners for use with concrete and masonry inserts, toggle bolts, through bolts, lag screws, wood screws, and other connectors.
- E. Provide temporary bracing or anchors in formwork for items that are to be built into concrete, masonry, or similar construction.

- F. Corrosion Protection: Coat concealed surfaces of aluminum that come into contact with grout, concrete, masonry, wood, or dissimilar metals with the following:
 - 1. Extruded Aluminum: Two coats of clear lacquer.
- G. Grating: Weld grating to supporting members, unless otherwise shown or specified.

3.2 INSTALLATION OF MISCELLANEOUS FRAMING AND SUPPORTS

- A. General: Install framing and supports to comply with requirements of items being supported, including manufacturers' written instructions and requirements indicated on Shop Drawings.
- B. Anchor supports for ceiling hung toilet partitions and overhead doors securely to, and rigidly brace from, building structure.
- C. Anchor shelf angles securely to existing construction with post-installed anchors.
- D. Support steel girders on solid grouted masonry, concrete, or steel pipe columns. Secure girders with anchor bolts embedded in grouted masonry or concrete or with bolts through top plates of pipe columns.
 - 1. Where grout space under bearing plates is indicated for girders supported on concrete or masonry, install as specified in "Installing Bearing and Leveling Plates" Article.
- E. Install pipe columns on concrete footings with grouted baseplates. Position and grout column baseplates as specified in "Installation of Bearing and Leveling Plates" Article.
 - 1. Grout baseplates of columns supporting steel girders after girders are installed and leveled.

3.3 INSTALLATION OF BEARING AND LEVELING PLATES

- A. Clean concrete and masonry bearing surfaces of bond-reducing materials and roughen to improve bond to surfaces. Clean bottom surface of plates.
- B. Set bearing and leveling plates on wedges, shims, or leveling nuts. After bearing members have been positioned and plumbed, tighten anchor bolts. Do not remove wedges or shims but, if protruding, cut off flush with edge of bearing plate before packing with shrinkage-resistant grout. Pack grout solidly between bearing surfaces and plates to ensure that no voids remain.

3.4 STORAGE ROOM CAGE ERECTION

- A. Anchor wire mesh partitions to floor with 3/8-inch- diameter postinstalled expansion anchors at 12 inches o.c. through floor shoes located at each post and corner. Adjust wire mesh partition posts in floor shoes to achieve level and plumb installation.
 - 1. Anchors may be set with power-actuated fasteners instead of postinstalled expansion anchors if indicated on Shop Drawings.

- B. Anchor wire mesh partitions to walls at 12 inches o.c. through back corner panel framing and as follows:
 - 1. For concrete and solid masonry anchorage, use expansion anchors.
 - 2. For hollow masonry anchorage, use toggle bolts.
 - 3. For structural steel, use bolts.
 - 4. For steel-framed gypsum board assemblies, fasten brackets directly to steel framing or concealed reinforcements using self-tapping screws of size and type required to support structural loads.
- C. Secure top capping bars to top framing channels with 1/4-inch- diameter "U" bolts spaced not more than 28 inches o.c.
- D. Provide line posts at locations indicated or, if not indicated, as follows:
 - 1. For partitions that are 7 to 9 feet high, spaced at 15 to 20 feet o.c.
- E. Where standard-width wire mesh partition panels do not fill entire length of run, provide adjustable filler panels to fill openings.
- F. Install doors complete with door hardware.
- G. Weld or bolt sheet metal bases where indicated.
- H. Bolt accessories to wire mesh partition framing.

3.5 ADJUSTING AND CLEANING

- A. Adjust doors to operate smoothly and easily, without binding or warping. Adjust hardware to function smoothly. Confirm that latches and locks engage accurately and securely without forcing or binding.
- B. Remove and replace defective work, including doors and framing that are warped, bowed, or otherwise unacceptable.
- C. Touchup Painting: Immediately after erection, clean field welds, bolted connections, and abraded areas. Paint uncoated and abraded areas with the same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.

3.6 REPAIRS

- A. Touchup Painting:
 - 1. Immediately after erection, clean field welds, bolted connections, and abraded areas. Paint uncoated and abraded areas with same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.
 - a. Apply by brush or spray to provide a minimum 2.0-mil dry film thickness.

2. Cleaning and touchup painting of field welds, bolted connections, and abraded areas of shop paint are specified in Section 099123 "Interior Painting."
- B. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A780.

END OF SECTION 055000

SECTION 096536 - STATIC-CONTROL RESILIENT FLOORING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Static-control, vinyl composition floor tile.
- B. Related Requirements:
 - 1. Section 096513 "Resilient Base and Accessories" for resilient base, reducer strips, and other accessories installed with static-control resilient flooring.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review methods and procedures related to static-control resilient flooring including, but not limited to, the following:
 - a. Examination and preparation of substrates to receive static-control resilient flooring.
 - b. Installation techniques required for specified products.

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. Samples for Verification: For each type of static-control resilient flooring and in each color, pattern, and texture required, of size indicated below:
 - 1. Floor Tile: Full-size units.
- F. Product Schedule: For static-control resilient flooring. Use same designations indicated on Drawings.
- G. Qualification Data: For Installer.

- H. Product Test Reports: For static-control resilient flooring, for tests performed by a qualified testing agency.
- I. Field quality-control reports.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of static-control resilient flooring to include in maintenance manuals.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Floor Tile: Furnish one box for every 50 boxes, or fraction thereof, of each type, color, and pattern of floor tile installed.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer who employs workers for this Project who are competent in installation techniques required by manufacturer for specified static-control resilient flooring.
 - 1. Engage an installer who employs workers for this Project who are trained or certified by manufacturer for installation techniques required for specified products.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Store static-control resilient flooring and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended in writing by manufacturer, but not less than 50 deg F or more than 90 deg F.
 - 1. Floor Tile: Store on flat surfaces.

1.8 PROJECT CONDITIONS

- A. Maintain ambient temperatures in spaces to receive static-control resilient flooring within range recommended by manufacturer, but not less than 70 deg F or more than 85 deg F, during the following time periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.

- B. Until Substantial Completion, maintain ambient temperatures in installation areas within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Close spaces to traffic during static-control resilient flooring installation.
- D. Close spaces to traffic for 48 hours after static-control resilient flooring installation.
- E. Install static-control resilient flooring after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 STATIC-CONTROL, VINYL COMPOSITION FLOOR TILE <SDT-1>

- A. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to the following:
 - 1. Armstrong World Industries, Inc; Excelon SDT.
 - 2. Roppe Corporation; ESD Vinyl Static Control Tile.
 - 3. United Static Control Products; ElectraTile.
 - 4. Approved equivalent.
- B. Source Limitations: Obtain floor tile from single source from single manufacturer.
- C. Static-Control Properties: As determined by testing identical products in accordance with test method indicated by an independent testing and inspecting agency.
 - 1. Electrical Resistance:
 - a. Material: Point-to-point and point-to-ground resistances between 1,000,000 ohms and 1,000,000,000 ohms when tested in accordance with ASTM F150.
 - b. Material in Combination with a Person: Average resistance of 448,000,000 ohms when tested in accordance with ESD STM97.1.
 - 2. Static Generation: When tested in accordance with ESD STM97.2, an average of less than 30 V when tested at 12 percent relative humidity with static-control footwear.
 - 3. Static Decay: 1000 to 100 V in maximum of 0.2 seconds at 12 percent relative humidity when tested in accordance with manufacturer's standard test protocol using an operator wearing static-control footwear and a static decay meter.
- D. Critical Radiant Flux: 0.45 W/sq. cm or greater in accordance with ASTM E648 or NFPA 253.
- E. Construction: ASTM F1066 Class 2, vinyl composition floor tile, through pattern.
- F. Thickness: 1/8 inch.
- G. Size: 12 by 12 inches.
- H. Colors and Patterns: As selected by Director's Representative from manufacturer's full range.

2.2 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified portland cement or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.
- B. Static-Control Adhesive: Provided or approved by manufacturer; type that maintains electrical continuity of floor-covering system to ground connection.
- C. Grounding Strips: Provided or approved by manufacturer; type and size that maintains electrical continuity of floor-covering system to ground connection.
- D. Floor Polish: Provide protective, static-control liquid floor polish products recommended in writing by floor-covering manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for conditions affecting performance of the Work.
- B. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with installation or static-control characteristics of floor coverings.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrates in accordance with manufacturer's written instructions and with oversight by manufacturer's representative to ensure successful installation of static-control resilient flooring and electrical continuity of floor-covering systems.
- B. Concrete Substrates: Prepare in accordance with ASTM F710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - 2. Remove substrate coatings and other substances that are incompatible with floor-covering adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
 - 3. Alkalinity and Adhesion Testing: Perform tests recommended in writing by manufacturer. Proceed with installation only after substrate alkalinity is not less than 6 or more than 8 pH unless otherwise recommended in writing by flooring manufacturer.
 - 4. Moisture Testing: Perform tests so that each test area does not exceed 1000 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.

- a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
- C. Access Flooring Panels: Remove protective film of oil or other coating using method recommended by access flooring manufacturer.
- D. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.
- E. Do not install static-control resilient flooring until it is same temperature as space where it is to be installed.
 - 1. Move static-control resilient flooring and installation materials into spaces where they will be installed at least 48 hours in advance of installation.
- F. Sweep and vacuum substrates to be covered by static-control resilient flooring immediately before installation.

3.3 INSTALLATION, GENERAL

- A. Install static-control resilient flooring in accordance with manufacturer's written instructions.
- B. Extend grounding strips beyond perimeter of static-control resilient floor-covering surfaces to ground connections.
 - 1. For adhesively installed flooring, embed grounding strips in static-control adhesive.
- C. Scribe, cut, and fit static-control resilient flooring to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
 - 1. Extend static-control resilient flooring below built-in items and permanent, but movable, items that allow for a flexible layout where indicated on Drawings.
- D. Extend static-control resilient flooring into toe spaces, door reveals, closets, and similar openings.
- E. Extend static-control resilient flooring to center of door openings where flooring or color transitions occur.
- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on static-control resilient flooring as marked on substrates. Use chalk or other nonpermanent, nonstaining marking device.
- G. Install static-control resilient flooring on covers for telephone and electrical ducts, and similar items in installation areas. Maintain overall continuity of color and pattern with pieces of static-control resilient flooring installed on covers. Tightly adhere static-control resilient flooring edges to substrates that abut covers and to cover perimeters.

- H. Adhesive Installation: Adhere static-control resilient flooring to substrates using a full spread of static-control adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.

3.4 INSTALLATION OF FLOOR TILE

- A. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so floor tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half floor tile at perimeter.
 - 1. Lay floor tiles square with room axis.
- B. Match floor tiles for color and pattern by selecting floor tiles from cartons in same sequence as manufactured and packaged if so numbered. Discard broken, cracked, chipped, or deformed floor tiles.
 - 1. Lay vinyl composition floor tiles with grain running in one direction.
- C. In each space where conductive, solid vinyl floor tile is installed, install maintenance floor tile identifying conductive floor tile in locations approved by Director's Representative.

3.5 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to test electrical resistance of static-control resilient flooring in accordance with ASTM F150 or ESD STM7.1 for compliance with requirements.
 - 1. Arrange for testing after the following:
 - a. Static-control adhesives have fully cured.
 - b. Static-control resilient flooring has stabilized to ambient conditions.
 - c. Ground connections are completed.
 - 2. Arrange for testing of static-control resilient flooring before and after performing floor polish procedures.
- B. Static-control resilient flooring will be considered defective if it does not pass tests and inspections.
- C. Prepare test and inspection reports.

3.6 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protection of static-control resilient flooring.
- B. Perform the following operations immediately after completing static-control resilient flooring:

1. Remove static-control adhesive from exposed surfaces.
 2. Remove dirt and blemishes from exposed surfaces.
 3. Sweep and vacuum surfaces thoroughly.
 4. Damp-mop surfaces to remove marks and soil.
- C. Protect static-control resilient flooring from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
1. Do not wax static-control resilient flooring.
 2. If recommended in writing by manufacturer, apply protective static-control floor polish formulated to maintain or enhance floor covering's electrical properties. Before polishing, do the following:
 - a. Ensure that static-control resilient flooring surfaces are free from soil, static-control adhesive, and surface blemishes.
 - b. Verify that both floor polish and its application method are approved by manufacturer and that floor polish will not leave an insulating film that reduces static-control resilient flooring's effectiveness for static control.
- D. Cover static-control resilient flooring and protect from rolling loads until Substantial Completion.

END OF SECTION 096536

SECTION 096813 - TILE CARPETING

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. Modular carpet tile.

- B. Related Requirements:

- 1. Section 096513 "Resilient Base and Accessories" for resilient wall base and accessories installed with carpet tile.

1.3 REFERENCES

- A. AATCC - The American Association of Textile Chemists and Colorists, Research Triangle Park, NC 27709, www.aatcc.org.
- B. CRI – Carpet and Rug Institute, Dalton, GA 30722-2048, www.carpet-rug.com.

1.4 PREINSTALLATION MEETINGS

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

- 1. Review methods and procedures related to carpet tile installation including, but not limited to, the following:
 - a. Review delivery, storage, and handling procedures.
 - b. Review ambient conditions and ventilation procedures.
 - c. Review subfloor preparation procedures.

1.5 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 written data on physical characteristics, durability, and fade resistance, including the following:
 - a. Trade name and number.
 - b. Manufacturer.
 - c. Address of mill constructing carpet.
 - d. Construction type.
 - e. Gage.
 - f. Stitches per inch.
 - g. Pile height.
 - h. Face yarn.
 - i. Face yarn weight.
 - j. Weight density factor.
 - k. Primary backing.
 - l. Secondary backing.
 - m. Total weight.
 - n. Dye method.
 - o. Tuft bind.
 - p. Static resistance.
 - q. Flammability.
 - 2. Adhesive
 - 3. Include manufacturer's written installation recommendations for each type of substrate.
 - 4. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet tiles.
 - 5. Carpet tile type, color, and dye lot.
 - 6. Type of subfloor.
 - 7. Type of installation.
 - 8. Pattern of installation.
 - 9. Pattern type, location, and direction.
 - 10. Pile direction.
 - 11. Type, color, and location of insets and borders.
 - 12. Type, color, and location of edge, transition, and other accessory strips.
 - 13. Transition details to other flooring materials.
- E. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
 - 1. Carpet Tile: Full-size Sample.
 - 2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- long Samples.
- F. Product Schedule: For carpet tile. Use same designations indicated on Drawings.
- G. Qualification Data: For Installer.
- H. Product Test Reports: For carpet tile, for tests performed by a qualified testing agency.

- I. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For carpet tiles to include in maintenance manuals. Include the following:
 - 1. Methods for maintaining carpet tile, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
 - 2. Precautions for cleaning materials and methods that could be detrimental to carpet tile.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Carpet Tile: Full-size units equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd..

1.8 QUALITY ASSURANCE

- A. Installer Qualifications: The persons installing the tile carpeting and their Supervisor shall be experienced in carpeting installation, including the requirements of the tile carpeting manufacturer, and shall have been regularly employed by a company engaged in installation of carpeting for a minimum of 5 years.
 - 1. Furnish to the Director's Representative the names and addresses of 5 similar projects which the foregoing people have worked on during the past 3 years.
- B. Certifications: Furnish certification from tile carpeting installer that the substrate surfaces have been examined and are acceptable for installation of the Work of this Section.
- C. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.
 - 1. Build mockups at locations and in sizes shown on Drawings.
 - 2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the Carpet and Rug Institute's CRI 104.
- B. Deliver tile carpeting in original carpet mill packaging with each package having labels legible and intact.

1.10 FIELD CONDITIONS

- A. Comply with the Carpet and Rug Institute's CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.
- D. Do not install the Work of this Section until painting, finishing Work, and Work of other trades has been completed.

1.11 WARRANTY

- A. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.
 - 1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
 - 2. Failures include, but are not limited to, the following:
 - a. More than 10 percent edge raveling, snags, and runs.
 - b. Dimensional instability.
 - c. Excess static discharge.
 - d. Loss of tuft-bind strength.
 - e. Loss of face fiber.
 - f. Delamination.
 - 3. Warranty Period: Minimum 15 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CARPET TILE <CPT-1 >

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
 - 1. Interface, LLC.
 - 2. Mannington Mills, Inc.
 - 3. Milliken & Company.
 - 4. Shaw Contract Group; a Berkshire Hathaway company.
 - 5. Mohawk Industries, Inc.
 - 6. Approved equivalent.

- B. Color: As selected by Director's Representative from manufacturer's full range.
- C. Pattern: As selected by Director's Representative from manufacturer's full range. Basis of Design: Mannington Commercial, Renewed Refinement, Chic Revivals.
- D. Fiber Content: 100 percent nylon 6, 6.
- E. Pile Characteristic: Tufted, textured loop pile (Random Pattern).
- F. Density: Minimum 5,000 oz./cu. yd..
- G. Pile Thickness: Minimum 0.130 inches for finished carpet tile according to ASTM D6859.
- H. Stitches: Minimum 8.3 per inch.
- I. Gage: Minimum 1/8 ends per inch.
- J. Surface Pile Weight: 20 oz./sq. yd..
- K. Primary Backing: Manufacturer's standard vinyl or thermoplastic hard-backing or integral-cushion thermoplastic backing system, recyclable content, maintaining a 100 percent moisture barrier between secondary backing and the floor substrate. Pre-adhered backing system may be used as an alternate without an applied releasable adhesive to surface substrate.
- L. Size: 12 x 36, 24x24, or 24 x36 inches.
- M. Applied Treatments:
 - 1. Soil-Resistance Treatment: Manufacturer's standard treatment.
 - 2. Antimicrobial Treatment: Manufacturer's standard treatment that protects carpet tiles as follows:
 - a. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.
- N. Performance Characteristics:
 - 1. Flammability Certification:
 - a. Radiant Panel Flooring Flammability Test: NFPA 253. Class I, Minimum 0.45 watts per sq centimeter.
 - b. Methenamine Tablet Test: DOC-FF-1-70 and ASTM D 2859. Meet the "Standards for the Surface Flammability of Carpets".
 - c. Smoke Density Test: NFPA 258 and ASTM E 662. Specific optical density (DM) of 450 or less (flaming).
 - 2. Appearance Retention Rating: Severe traffic, 3.5 minimum according to ASTM D7330.
 - 3. Critical Radiant Flux Classification: Not less than 0.45W/sq. cm according to NFPA 253.
 - 4. Dry Breaking Strength: Not less than 100 lbf according to ASTM D2646.
 - 5. Tuft Bind: Not less than 12 lbf according to ASTM D1335.

6. Dimensional Tolerance: Within 1/32 inch of specified size dimensions, as determined by physical measurement.
7. Dimensional Stability: 0.2 percent or less according to ISO 2551 (Aachen Test).
8. Electrostatic Propensity: Less than 3.5 kV according to AATCC 134.
9. Stain Resistance: AATCC 175. Rating of 8 or better.
10. Dimensional Stability: Aachen Method DIN 54318, 0.2 percent or less.

2.2 CARPET TILE <CPT-2 >

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
 1. Interface, LLC.
 2. Mannington Mills, Inc.
 3. Milliken & Company.
 4. Shaw Contract Group; a Berkshire Hathaway company.
 5. Mohawk Industries, Inc.
 6. Approved equivalent.
- B. Color: As selected by Director's Representative from manufacturer's full range.
- C. Pattern: Basis of Design: Shaw Contract Group, Welcome II 5T031.
- D. Fiber Content: 100 percent nylon 6, 6.
- E. Pile Characteristic: Tufted, textured loop pile (Random Pattern).
- F. Density: Minimum 5,000 oz./cu. yd..
- G. Pile Thickness: Minimum 0.130 inches for finished carpet tile according to ASTM D6859.
- H. Stitches: Minimum 8.3 per inch.
- I. Gage: Minimum 1/8 ends per inch.
- J. Surface Pile Weight: 20 oz./sq. yd..
- K. Primary Backing: Manufacturer's standard vinyl or thermoplastic hard-backing or integral-cushion thermoplastic backing system, recyclable content, maintaining a 100 percent moisture barrier between secondary backing and the floor substrate. Pre-adhered backing system may be used as an alternate without an applied releasable adhesive to surface substrate.
- L. Size: 24 x 24 inches.
- M. Applied Treatments:
 1. Soil-Resistance Treatment: Manufacturer's standard treatment.
 2. Antimicrobial Treatment: Manufacturer's standard treatment that protects carpet tiles as follows:

- a. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.

N. Performance Characteristics:

1. Flammability Certification:

- a. Radiant Panel Flooring Flammability Test: NFPA 253. Class I, Minimum 0.45 watts per sq centimeter.
 - b. Methenamine Tablet Test: DOC-FF-1-70 and ASTM D 2859. Meet the “Standards for the Surface Flammability of Carpets”.
 - c. Smoke Density Test: NFPA 258 and ASTM E 662. Specific optical density (DM) of 450 or less (flaming).
- 2. Appearance Retention Rating: Severe traffic, 3.5 minimum according to ASTM D7330.
 - 3. Critical Radiant Flux Classification: Not less than 0.45W/sq. cm according to NFPA 253.
 - 4. Dry Breaking Strength: Not less than 100 lbf according to ASTM D2646.
 - 5. Tuft Bind: Not less than 12 lbf according to ASTM D1335.
 - 6. Dimensional Tolerance: Within 1/32 inch of specified size dimensions, as determined by physical measurement.
 - 7. Dimensional Stability: 0.2 percent or less according to ISO 2551 (Aachen Test).
 - 8. Electrostatic Propensity: Less than 3.5 kV according to AATCC 134.
 - 9. Stain Resistance: AATCC 175. Rating of 8 or better.
 - 10. Dimensional Stability: Aachen Method DIN 54318, 0.2 percent or less.

2.3 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.
- C. Metal Edge/Transition Strips: Extruded aluminum with mill finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance.
- B. Examine carpet tile for type, color, pattern, and potential defects.

- C. Concrete Slabs: Verify that finishes comply with requirements specified in Section 033000 "Cast-in-Place Concrete" and that surfaces are free of cracks, ridges, depressions, scale, and foreign deposits.
 - 1. Moisture Testing: Perform tests so that each test area does not exceed 1000 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - b. Relative Humidity Test: Using in situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
 - c. Perform additional moisture tests recommended in writing by adhesive and carpet tile manufacturers. Proceed with installation only after substrates pass testing.
- D. Painted Subfloors: Perform bond test recommended in writing by adhesive manufacturer.
 - 1. Access Flooring Systems: Verify the following:
 - 2. Access floor substrate is compatible with carpet tile and adhesive if any.
 - 3. Underlayment surface is flat, smooth, evenly planed, tightly jointed, and free of irregularities, gaps greater than 1/8 inch, protrusions more than 1/32 inch, and substances that may interfere with adhesive bond or show through surface.
- E. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch unless more stringent requirements are required by manufacturer's written instructions.
- C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet tile manufacturers.
- D. Concrete Substrates: Prepare according to ASTM F710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - 2. Alkalinity Testing: Perform pH testing according to ASTM F710. Proceed with installation only if pH readings are not less than 7.0 and not greater than 8.5.
 - 3. Moisture Testing: Perform tests so that each test area does not exceed 1000 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.

- a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
- E. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.
- F. Existing Resilient Sheet Flooring: Remove existing resilient sheet flooring.
- G. Existing Resilient Tile Flooring:
 - 1. Remove wax using liquid stripper or mechanical removal.
 - 2. Remove loose tiles and replace or patch as necessary.

3.3 INSTALLATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 10, "Carpet Tile," and with carpet tile manufacturer's written installation instructions.
- B. Installation Method: As recommended in writing by carpet tile manufacturer.
- C. Maintain dye-lot integrity. Do not mix dye lots in same area.
- D. Maintain pile-direction patterns indicated on Drawings.
- E. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.
- F. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- G. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet tile as marked on subfloor. Use nonpermanent, nonstaining marking device.
- H. Install pattern parallel to walls and borders.

3.4 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet tile:
 - 1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
 - 2. Remove yarns that protrude from carpet tile surface.
 - 3. Vacuum carpet tile using commercial machine with face-beater element.
- B. Protect installed carpet tile to comply with the Carpet and Rug Institute's CRI 104, Section 13.7.

- C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION 096813

SECTION 098436 - SOUND-ABSORBING CEILING UNITS

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 shop-fabricated, acoustical panel units tested for acoustical performance, including the following:
 - 1. Sound-absorbing ceiling panels.
 - 2. Sound-diffusing ceiling panels.

1.3 DEFINITIONS

- A. NRC: Noise Reduction Coefficient.
- B. SAA: Sound Absorption Average.

1.4 PREINSTALLATION MEETINGS

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

1.5 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 panel edge, core material, and mounting indicated.
- E. Shop Drawings: For unit assembly and installation.
 - 1. Include reflected ceiling plans, elevations, sections, and mounting devices and details.

2. Include details at joints and corners; and details at ceiling intersections and intersections with walls. Indicate panel edge profile and core materials.

F. Samples for Initial Selection: For each color option.

1. Include Samples of hardware and accessories involving color or finish selection.

G. Samples for Verification: For the following products:

1. Panel Edge: 12-inch- long Sample(s) showing each edge profile, corner, and finish.
2. Core Material: 12-inch- square Sample at corner.
3. Mounting Devices: Full-size Samples.
4. Assembled Panels: Approximately 36 by 36 inches, including joints and mounting methods and applied color.

H. Coordination Drawings: Reflected ceiling plans and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:

1. Electrical outlets.
2. Suspended ceiling components above ceiling units.
3. Structural members to which suspension devices will be attached.
4. Items penetrating or covered by units including the following:
 - a. Lighting fixtures.
 - b. Air outlets and inlets.
 - c. Speakers.
 - d. Alarms.
 - e. Sprinklers.
 - f. Access panels.

I. Product Certificates: For each type of unit.

J. Sample Warranty: For manufacturer's special warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of unit to include in maintenance manuals. Include fabric manufacturer's written cleaning and stain-removal instructions.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
1. Mounting Devices: Full-size units equal to 5 percent of amount installed, but no fewer than five devices.

1.8 QUALITY ASSURANCE

- A. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials, fabrication, and installation.
 - 1. Build mockup of typical ceiling area as shown in drawings.
 - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Director's Representative specifically approves such deviations in writing.
 - 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Comply with fabric and unit manufacturers' written instructions for minimum and maximum temperature and humidity requirements for shipment, storage, and handling.
- B. Deliver materials and units in unopened bundles and store in a temperature-controlled dry place with adequate air circulation.

1.10 FIELD CONDITIONS

- A. Environmental Limitations: Do not install units until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work at and above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Lighting: Do not install units until a lighting level of not less than 50 fc is provided on surfaces to receive the units.
- C. Air-Quality Limitations: Protect units from exposure to airborne odors, such as tobacco smoke, and install units under conditions free from odor contamination of ambient air.
- D. Field Measurements: Verify unit locations and actual dimensions of openings and penetrations by field measurements before fabrication, and indicate them on Shop Drawings.

1.11 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace units and components that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Acoustical performance.
 - b. Fabric sagging, distorting, or releasing from panel edge.
 - c. Warping of core.
 - 2. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Obtain similar content ceiling units from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: Units shall comply with "Surface-Burning Characteristics" or "Fire Growth Contribution" Subparagraph below, or both, as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
 - 1. Surface-Burning Characteristics: Comply with ASTM E84 or UL 723; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 450 or less.
 - 2. Fire Growth Contribution: Comply with acceptance criteria of local code and authorities having jurisdiction when tested according to NFPA 286.

2.3 SOUND-ABSORBING CEILING UNITS

- A. Sound-Absorbing Ceiling Panel <APC-1>: Manufacturer's standard panel construction consisting of facing material laminated to front face, edges, and back edge border of core.
 - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
 - a. Armstrong World Industries, Inc.
 - b. Conwed Designscape; an Owens Corning company.
 - c. Kinetics Noise Control, Inc.
 - d. Certaineed, a Saint-Gobain Company
 - e. Approved equivalent.
 - 2. Panel: Basis of Design, Certaineed Saint-Gobain, Decoustics Claro Wall Smooth
 - 3. Panel Shape: Flat, see drawings.
 - 4. Mounting: Back mounted with manufacturer's standard direct mount system, secured to substrate.
 - 5. Core: fiberglass.
 - 6. Edge Construction: Manufacturer's standard extruded-aluminum or zinc-coated, rolled-steel frame.
 - 7. Edge Profile: Square.

8. Corner Detail in Elevation: Square with continuous edge profile indicated.
9. Reveals between Panels: as indicated on Drawings.
10. Facing Material: Manufacturer's standard.
11. Acoustical Performance: Sound absorption NRC 0.50 to 0.90 according to ASTM C423 for F5 mounting according to ASTM E795.
12. Nominal Overall Panel Thickness: 1 1/16 inch.
13. Panel Width: As indicated on Drawings.
14. Panel Height: As indicated on Drawings.
15. Panel Color: As indicated on Drawings.

B. Sound-Absorbing Ceiling Panel <APC-2>: Manufacturer's standard panel construction consisting of facing material laminated to front face, edges, and back edge border of core.

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
 - a. Armstrong World Industries, Inc.
 - b. Conwed Designscape; an Owens Corning company.
 - c. Kinetics Noise Control, Inc.
 - d. Certainteed, a Saint-Gobain Company
 - e. Approved equivalent.
2. Panel: Basis of Design, Certainteed Saint-Gobain, Decoustics Claro Wall Smooth
3. Panel Shape: Flat, see drawings.
4. Mounting: Back mounted with manufacturer's standard suspension system.
5. Core: fiberglass.
6. Edge Construction: Manufacturer's standard extruded-aluminum or zinc-coated, rolled-steel frame.
7. Edge Profile: Square.
8. Corner Detail in Elevation: Square with continuous edge profile indicated.
9. Reveals between Panels: as indicated on Drawings.
10. Facing Material: Manufacturer's standard.
11. Acoustical Performance: Sound absorption NRC 0.50 to 0.90 according to ASTM C423 for E400 mounting according to ASTM E795.
12. Nominal Overall Panel Thickness: 1 1/16 inch.
13. Panel Width: As indicated on Drawings.
14. Panel Height: As indicated on Drawings.
15. Panel Color: To match PT-1.

2.4 MATERIALS

A. Core Materials: Manufacturer's standard.

1. Glass-Fiber Board: ASTM C612; of type standard with manufacturer; nominal density of 6 to 7 lb/cu. ft., unfaced, and dimensionally stable, molded rigid board; and with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively.
2. Cementitious-Fiber Board: Density of not less than 20 lb/cu. ft..

- B. Facing Material: Integral system as indicated in section 2.3 Sound Absorbing Ceiling Units above.
- C. Mounting Devices: Concealed on back or top edge of unit, recommended by manufacturer to support weight of unit.

2.5 FABRICATION

- A. Standard Construction: Use manufacturer's standard construction unless otherwise indicated, with facing material applied to face, edges, and back border of dimensionally stable core and with rigid edges to reinforce panel perimeter against warpage and damage.
- B. Measure each area and establish layout of panels and joints of sizes indicated on Drawings within a given area.
- C. Edge Hardening: For glass-fiber board and mineral-fiber board cores, chemically harden core edges and areas of core where mounting devices are attached.
- D. Dimensional Tolerances of Finished Units: Plus or minus 1/16 inch for the following:
 - 1. Thickness.
 - 2. Edge straightness.
 - 3. Overall length and width.
 - 4. Squareness from corner to corner.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine fabric, fabricated units, substrates, areas, and conditions for compliance with requirements, installation tolerances, and other conditions affecting unit performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install units in locations indicated. Unless otherwise indicated, install units with edges in alignment with walls and other units, faces flush, and scribed to fit adjoining work accurately at borders and at penetrations.
- B. Comply with manufacturer's written instructions for installation of units using type of mounting devices indicated. Mount units securely to supporting substrate.

3.3 INSTALLATION TOLERANCES

- A. Variation from Alignment with Surfaces: Plus or minus 1/16 inch in 48 inches, noncumulative.

- B. Variation from Level or Slope: Plus or minus 1/8 inch.
- C. Variation of Joint Width: Not more than 1/16 inch wide from reveal line in 48 inches, noncumulative.

3.4 CLEANING

- A. Clip loose threads; remove pills and extraneous materials.
- B. Clean panels on completion of installation to remove dust and other foreign materials according to manufacturer's written instructions.
- C. Provide two copies of Cleaning Instructions for each APC type to Director's Representative.

END OF SECTION 098436

SECTION 102116.19 - PLASTIC SHOWER COMPARTMENTS

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. Shower receptors.

- B. Related Requirements:

- 1. Section 102800 "Toilet, Bath, and Laundry Accessories" for grab bars, purse shelves, and similar accessories.

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.

- 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

- E. Shop Drawings: For shower receptors and shower walls.

- 1. Include plans, elevations, sections, and attachment details.
 - 2. Show locations of centerlines of drains.

- F. Samples for Initial Selection: For each type of receptor material indicated.

- G. Samples for Verification: For the following products, in manufacturer's standard sizes unless otherwise indicated:

- 1. Each type of material, color, and finish required for receptors.

- H. Product Certificates: For each type of shower receptors.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For shower receptors to include in maintenance manuals.

1.5 FIELD CONDITIONS

- A. Field Measurements: Verify actual locations of fixtures, drains, walls, columns, ceilings, and other construction contiguous with shower compartments by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire Performance: Tested according to, and pass the acceptance criteria of, NFPA 286.
- B. Regulatory Requirements: Comply with applicable provisions in USDOJ's "2010 ADA Standards for Accessible Design" and ICC A117.1 for shower and dressing compartments designated as accessible.

2.2 SHOWER RECEPTORS

- A. General: Manufacturer's standard, prefabricated, fiberglass receptor complete with integral drain.
 - 1. Basis of Design: Oasis, Minimal Dam (MD) Shower Base, 6236 Roll-In Shower
 - 2. Curb: Barrier-Free Threshold
 - 3. Floor: Finished, sloping uniformly toward the drain and not less than 1/4 unit vertical in 12 units horizontal and not more than 1/2 inch.
 - 4. Drain Strainer: Basis of Design: Kohler, Awaken K-26914-G-CP, in Chrome Finish.
 - 5. Drain Gasket: Manufacturer's standard gasket sized to fit waste pipe.
- B. Finish: Manufacturer's standard finish on exposed surfaces, as selected by Director's Representative from manufacturer's full range and with slip-resistant floor surface texture.
- C. Solid Surface Shower Wall Panels: Provide Solid Surface sheet material, colors and patterns as indicated, fabricated and installed as continuous shower wall cladding. Adhere panels to sound, flat, smooth substrates using manufacturer-recommended construction adhesive; fabricate and bond panel-to-panel seams using manufacturer-recommended color-matched seam adhesive to provide tight, smooth, water-resistant joints. Seal inside corners, perimeter joints, penetrations, and interfaces with shower bases and adjacent materials with manufacturer-recommended mildew-resistant silicone sealant; install complete assembly in strict accordance with the manufacturer's published fabrication and installation requirements.

1. Basis of Design: SS-1, Wilsonart Solid Surface
 - a. Manufacturer's standard finish on exposed surfaces, color as selected by Director's Representative from manufacturer's full range and with slip-resistant floor surface texture. Basis of design color: I573MG Frosty White Mirage.

2.3 MATERIALS

- A. Stainless Steel Sheet: ASTM A240 or ASTM A666, Type 304, stretcher-leveled standard of flatness.
- B. Stainless Steel Castings: ASTM A743.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions. Install compartments rigid, straight, level, and plumb. Secure compartments in position with manufacturer's recommended anchoring devices.
 1. Clearances for Dressing Compartments: Maximum 1/2 inch between pilasters and panels; 1 inch between panels and walls.
- B. Shower Receptors: Install prefabricated shower receptors with drain gasket compression fit to OD of waste pipe.
- C. Shower Solid Surface Wall Panels: Install solid surface wall panels in strict compliance with the manufacturer's written installation instructions.

END OF SECTION 102116.19



SCHEDULE OF SUBMITTALS	
PROJECT NO.: 47477-C	
FACILITY: YONKERS STATE ARMORY	
CONTRACTOR:	
PROJECT MANAGER: KELLY PERIARD	
DESIGN CONSULTANT: BELL & SPINA ARCHITECTS-ENGINEERS, PC	
ENGINEER-IN-CHARGE:	
LEGEND PACK: SUBMITTAL PACKAGE SD: SHOP DRAWINGS PD: PRODUCT DATA EPD: ENVIRONMENTAL PRODUCT DECLARATION SAM: SAMPLES QCS: QUALITY CONTROL SUBMITTALS LEED: LEED SUBMITTALS CCS: CONTRACT CLOSEOUT SUBMITTALS <u>SUBMITTAL REVIEW RESPONSIBILITY:</u> F: OGS FIELD OFFICE F/O: OGS FIELD OFFICE / OFFICE (ALBANY) D: CONSULTANT / DESIGNER S: OGS SCHEDULING DEPARTMENT RSM: Regional Safety Manager	<u>INSTRUCTIONS TO THE CONTRACTOR</u> 1. Refer to Section 013300 Submittals of the Project Manual for general requirements regarding submittals and to Section 017716 - CONTRACT CLOSEOUT for project closeout submittals. 2. Refer to Sections of the specifications indicated herein for details of the requirements for each submittal listed. 3. Indicate in the rows (spaces) following each item: a. Critical submittals and long lead items (mark with an 'X'). Some critical submittals may already be identified by the design team. Confirm that these are critical submittals. b. The date the item will be submitted, and date approval is required (allow at least 3 weeks), and the date delivery of the material or equipment is necessary for completion of the work in accordance with the Progress Schedule. The date entered for the submittal is the last date a substitution will be considered. Proposed substitutions must be made prior to the date entered if more than one substitution is to be submitted for approval. Spaces which contain N/A do not require dates. 4. An example of a Submittal Transmittal (BDC-42) can be located at: http://www.ogs.ny.gov/BU/DC/forms/ContractorConstForms.asp 5. Submit Contract Closeout Submittals (CCS) prior to final inspection. <u>INSTRUCTIONS TO THE CONSULTANT / DESIGNER</u> 1. Cut and paste required information from each Division (Div.X) tab and place in the S.O.S. tab. 2. Delete Division (Div.X) tabs after the S.O.S. tab has been in-filled. 3. Indicate F, F/O or D in column E. Items in Div.1 have defaults that can be modified as necessary. 4. Indicate items that are critical submittals in column F. <u>Note:</u> The following list of submittals is furnished for your convenience in scheduling submittals. The list is not warranted to be complete and does not take precedence over the contract documents. Enter additional submittals, as required and modify this schedule to the specific project. This S.O.S. will be used to populate the submittals website log.



SCHEDULE OF SUBMITTALS								
PROJECT NO.: 47477-C								
SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
007213			GENERAL CONDITIONS					
007213	6.1	PD	ARTICLE 6: Designate in writing competent supervision and/or management representatives as required - include contact number in case of an emergency after work hours, including weekends and holidays (see 011000 Summary of Work)	F				
007213	8.1	PD	ARTICLE 8: Permits and licenses	F				
011100			SAFETY					
011100	1.4 A	QCS	Site Specific Safety Plan	RSM				
011100	1.4 B	QCS	Employee Safety Orientation Training and Documentation	D/F				
013300			SUBMITTALS					
013300	1.6	PD	Schedule of Submittals Acknowledgement	F	X			
014339			MOCKUP REQUIREMENTS					
014339	1.2	SD	Mockup Plan: Copy of proposed plan	F				
017329			REMOVALS, CUTTING AND PATCHING					
017329	1.6 A	QCS	Qualification Data: Professional Engineer.	F				
017329	1.6 B	QCS	Schedule of Selective Demolition Activities	F				
017329	1.6 C	QCS	Predemolition Photographs or Video	F				
017716			CONTRACT CLOSEOUT					
017716	1.4	CCS	Project Record Documents	F				
017716	1.5	CCS	Operation and Maintenance	F				
017716	1.6	CCS	Warranties	F				
017716	1.7	CCS	Spare Parts and Maintenance Materials	F				
017900			VIDEO TRAINING PROGRAMS					
017900	1.3 A	CCS	Instruction Program	F				
017900	1.3 B	CCS	Documentation: Attendance Roster, Evaluations	F				
				F				
024115			SITE DEMOLITION					
024115	1.2 G	PD	Pre-demolition Photographs or Video	D				
024115	1.2 D 1	QCS	Permits	D				
024115	1.2 D 2	QCS	Demolition Plan	D				
024115	1.2 E	QCS	Proposed Protection Measures	D				
024115	1.2 F	QCS	Schedule of Site Demolition Activities	D/F				
028213			ASBESTOS ABATEMENT					
028213	2.1	PD	Disposal Bags	D				

SCHEDULE OF SUBMITTALS

PROJECT NO.: 47477-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
028213	2.3	PD	Glove Bags	D				
028213	2.4	PD	Negative Air Pressure Units	D				
028213	2.5	PD	Plastic Sheets	D				
028213	2.6	PD	Respirators	D				
028213	2.7	PD	Vacuum Cleaners	D				
028213	1.7 E 1	QCS	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the completed DOSH-751 and DOSH-465 forms	D				
028213	1.7 E 2	QCS	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the New York State Department of Labor site specific variance decision.	D				
028213	1.7 F 1	QCS	Notification Compliance Data	D				
028213	1.7 F 2	QCS	Asbestos Removal Company Data	D				
028213	1.7 F 3	QCS	Asbestos Worker Certification Data	D				
028213	1.7 F 4	QCS	Work Plan	D/F				
028213	1.7 F 5	QCS	Waste Transporter Permit	D				
028213	1.7 F 6	QCS	NYS Part 360 Landfill Permit	D				
028213	1.7 F 7	QCS	Negative Air Pressure Equipment	D				
028213	1.7 G	QCS	Asbestos Work Closeout Submittals (waste shipment records and disposal site receipts).	F				
028213	1.7 H 1	CCS	Daily Log	F				
028213	1.7 H 2	CCS	Personal Air Monitoring Data	F				
028304			HANDLING OF LEAD CONTAINING MATERIALS					
028304	1.6 D 1	QCS	Lead Handling Worker's Qualifications Data	D				
028304	1.6 D 2	QCS	Lead Handling Detailed Work Plan	D				
028304	1.6 D 3	QCS	Lead Handling Waste Transporter Permit	D				
028304	1.6 E	QCS	Operation and Maintenance Data	D/F				
028304	1.6 F 1	CCS	Assessment Report compiled by a testing lab	D/F				
028304	1.6 F 2	CCS	Disposal Site Receipts	D/F				
031000			CONCRETE FORMING AND ACCESSORIES					
031000	1.5 E	SD	Exposed vertical concrete walls	D				
031000	1.5 D 1	PD	Exposed Surface Form-Facing Material	D				
031000	1.5 D 2	PD	Concealed Surface Form-Facing Material	D				
031000	1.5 D 3	PD	Pan-Type Forms	D				
031000	1.5 D 4	PD	Form Ties	D				
031000	1.5 D 5	PD	Waterstops	D				
031000	1.5 D 6	PD	Form-Release Agent	D				
031000	1.5 F 1	SAM	Waterstops	D				
031000	1.5 F 2	SAM	Form Liners	D				
031000	1.5 G	QCS	Qualification Data: For testing and inspection agency.	D				
031000	1.5 H	QCS	Research Reports: For insulating concrete forms indicating compliance with International Code Council Acceptance Criteria AC353	D				
031000	1.5 I	QCS	Field quality-control reports	D/F				
031000	1.5 J	QCS	Minutes of preinstallation conference	D/F				

SCHEDULE OF SUBMITTALS

PROJECT NO.: 47477-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
032000			CONCRETE REINFORCING					
032000	1.4 F	SD	Placing drawings that comply with ACI SP-066	D				
032000	1.4 D 1	PD	Each type of steel reinforcement	D				
032000	1.4 D 2	PD	Epoxy repair coating	D				
032000	1.4 D 3	PD	Zinc repair material	D				
032000	1.4 D 4	PD	Bar supports	D				
032000	1.4 F	SD	Placing drawings that comply with ACI SP-066	D				
032000	1.4 G	SD	Construction Joint Layout	D				
032000	1.4 H	SD	Delegated-Design Submittal	D				
032000	1.4 E	EPD	Environmental Product Declaration	D				
032000	1.4 I	QCS	Welding Certificates	D				
032000	1.4 J	QCS	Material Certificates	D				
032000	1.4 K	QCS	Material Test Reports	D				
032000	1.4 L	QCS	Field Quality-Control Reports	D/F				
032000	1.4 M	QCS	Minutes of Preinstallation Conference	D/F				
033000			CAST-IN-PLACE CONCRETE					
033000	1.4 E 1	PD	Mix Design	D				
033000	1.4 E 2	PD	Portland Cement	D				
033000	1.4 E 3	PD	Fly Ash	D				
033000	1.4 E 4	PD	Slag Cement	D				
033000	1.4 E 5	PD	Silica Fume	D				
033000	1.4 E 6	PD	Performance-based hydraulic cement	D				
033000	1.4 E 7	PD	Aggregates	D				
033000	1.4 E 8	PD	Admixtures	D				
033000	1.4 E 9	PD	Vapor Retarders	D				
033000	1.4 E 10	PD	Curing Materials	D				
033000	1.4 E 11	PD	Joint Fillers	D				
033000	1.4 E 12	PD	Repair Materials	D				
033000	1.4 F	EPD	Environmental Product Declaration	D				
033000	1.4 G	PD	Design Mixtures	D				
033000	1.4 H 1	SD	Construction Joint Layout	D				
033000	1.4 I	QCS	Concrete Schedule	D				
033000	1.4 J	QCS	Qualification Data	D				
033000	1.4 K	QCS	Material Certificates	D				
033000	1.4 L	QCS	Material Test Reports	D				
033000	1.4 M	QCS	Research Reports	D				
033000	1.4 N	QCS	Preconstruction test reports	D				
033000	1.4 O	QCS	Field quality-control reports	D/F				
033000	1.4 P	QCS	Minutes of preinstallation conference	D/F				
040110			MASONRY CLEANING					
040110	2.1	PD	Cleaning Materials	D				
040110	2.2	PD	Accessory Materials	D				
040110	2.3	PD	Chemical Cleaning Solutions	D				
040110	1.6 E	QCS	Qualification Data: For chemical-cleaner manufacturer.	D				
040110	1.6 F	QCS	Cleaning Program	D/F				

SCHEDULE OF SUBMITTALS

PROJECT NO.: 47477-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
040120-63			BRICK MASONRY REPAIR					
040120-63	2.2	PD	Masonry Materials	D				
040120-63	2.3	PD	Mortar Materials	D				
040120-63	2.4	PD	Manufactured Repair Materials	D				
040120-63	2.5	PD	Accessory Materials	D				
040120-63	2.6	PD	Mortar Mixes	D				
040120-63	1.6 E 1	SAM	Sand Types Used for Mortar	D				
040120-63	1.6 E 2	SAM	Patching Compound	D				
040120-63	1.6 E 3	SAM	Include similar Samples of accessories involving color selection.	D				
040120-63	1.6 F 1	SAM	Verification - Each type of brick unit to be used for replacing existing units	D				
040120-63	1.6 F 2	SAM	Verification - Each type of patching compound in the form of briquettes, at least 3 inches long by 1-1/2 inches wide	D				
040120-63	1.6 F 3	SAM	Verification - Accessories: Each type of accessory and miscellaneous support.	D				
040120-63	1.7 A	QCS	Qualification Data	D				
042000			UNIT MASONRY					
042000	1.5 E 1	SD	Masonry Units	D				
042000	1.5 E 2	SD	Reinforcing Steel	D				
042000	1.5 E 3	SD	Fabricated Flashing	D				
042000	2.3	PD	Unit Masonry, General	D				
042000	2.4	PD	Concrete Masonry Units	D				
042000	2.5	PD	Masonry Lintels	D				
042000	2.6	PD	Brick	D				
042000	2.7	PD	Mortar and Grout Materials	D				
042000	2.8	PD	Reinforcement	D				
042000	2.9	PD	Ties and Anchors	D				
042000	2.10	PD	Embedded Flashing Materials	D				
042000	2.11	PD	Post Installed Anchors	D				
042000	2.12	PD	Miscellaneous Masonry Accessories	D				
042000	2.13	PD	Masonry-Cell Fill	D				
042000	2.14	PD	Masonry Cleaners	D				
042000	2.15	PD	Mortar and Grout Mixes	D				
042000	1.5 F 1	SAM	Weep Holes/Cavity Vents	D				
042000	1.5 G 1	SAM	Verification - Weep Holes	D				
042000	1.5 G 2	SAM	Verification - Accessories Embedded in Masonry	D				
042000	1.5 H	QCS	Qualification Data: For testing agency.	D				
042000	1.5 I 1	QCS	Material Certificates - Masonry Units	D				
042000	1.5 I 2	QCS	Material Certificates - Integral Water Repellant used in CMUSs.	D				
042000	1.5 I 3	QCS	Material Certificates - Cementitious Materials	D				
042000	1.5 I 4	QCS	Material Certificates - Mortar Admixtures	D				
042000	1.5 I 5	QCS	Material Certificates - Preblended, dry mortar mixes	D				
042000	1.5 I 6	QCS	Material Certificates - Grout Mixes	D				
042000	1.5 I 7	QCS	Material Certificates - Reinforcing Bars	D				
042000	1.5 I 8	QCS	Material Certificates - Joint Reinforcement	D				

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				F/O				
				D				
				S				
042000	1.5 I 9	QCS	Material Certificates - Anchors, Ties and Metal Accessories	D				
042000	1.5 J	QCS	Mix Designs: For each type of mortar and grout.	D				
042000	1.5 K	QCS	Statement of Compressive Strength of Masonry	D				
042000	1.5 L	QCS	Cold Weather and Hot Weather Procedures	D				
051200			STRUCTURAL STEEL FRAMING					
051200	1.6 G	SD	Full detailed drawings of structural-steel components.	D				
051200	1.6 E 1	PD	Structural-Steel Materials	D				
051200	1.6 E 2	PD	High-Strength, Bolt-Nut Washer Assemblies	D				
051200	1.6 E 3	PD	Shear Stud Connectors	D				
051200	1.6 E 4	PD	Anchor Rods	D				
051200	1.6 E 5	PD	Threaded Rods	D				
051200	1.6 E 6	PD	Forged-steel Hardware	D				
051200	1.6 E 7	PD	Slide Bearings	D				
051200	1.6 E 8	PD	Prefabricated Building Columns	D				
051200	1.6 E 9	PD	Shop Primer	D				
051200	1.6 E 10	PD	Galvanized-steel Primer	D				
051200	1.6 E 11	PD	Etching Cleaner	D				
051200	1.6 E 12	PD	Galvanized Repair Paint	D				
051200	1.6 E 13	PD	Shrinkage-resistant Grout	D				
051200	1.6 F	EPD	Environmental Product Declaration	D				
051200	1.6 H	QCS	Welding Procedure Specifications (WPSs) and Procedure Qualification Records (PQRs)	D				
051200	1.6 I	QCS	Material Data	D				
051200	1.6 J	QCS	Delegated-Design Submittal	D				
051200	1.6 K	QCS	Qualification Data	D				
051200	1.6 L	QCS	Welding Certificates	D				
051200	1.6 M	QCS	Paint Compatibility Certificates	D				
051200	1.6 N	QCS	Mill Test Reports for Structural-Steel Materials, including chemical and physical properties.	D				
051200	1.6 O 1	QCS	Product Test Reports - Bolts, nuts, and washers, including mechanical properties and chemical analysis.	D				
051200	1.6 O 2	QCS	Product Test Reports - Direct-tension indicators.	D				
051200	1.6 O 3	QCS	Product Test Reports - Tension-control, high-strength, bolt-nut-washer assemblies.	D				
051200	1.6 O 4	QCS	Product Test Reports - Shear stud connectors.	D				
051200	1.6 P	QCS	Survey of Existing Conditions	D/F				
051200	1.6 Q	QCS	Source Quality-Control Reports	D/F				
051200	1.6 R	QCS	Field Quality-Control Reports	K				
053100			STEEL DECKING					
053100	1.3 G	SD	Include layout and types of deck panels, anchorage details, reinforcing channels, pans, cut deck openings, special jointing, accessories, and attachments to other construction.	D				
053100	1.3 E 1	PD	Roof Deck	D				
053100	1.3 E 2	PD	Composite Floor Deck	D				

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				F/O				
				D				
				S				
053100	1.3 E 3	PD	Noncomposite Form Deck	D				
053100	1.3 F	EPD	Environmental Product Declaration	D				
053100	1.3 H	QCS	Welding Certificates	D				
053100	1.3 I	QCS	Product Certificates: For each type of steel deck	D				
053100	1.3 J 1	QCS	Product Test Reports - Power-Actuated Mechanical Fasteners	D				
053100	1.3 J 2	QCS	Product Test Reports - Screw Fasteners	D				
053100	1.3 K	QCS	Research Reports: For steel deck, from UNIFORM CODE-ES.	D				
053100	1.3 L	QCS	Source Quality-Control Reports	D				
053100	1.3 M	QCS	Field Quality-Control Reports	F				
054000			COLD-FORMED METAL FRAMING					
054000	1.3 F	SD	Full detailed drawings of cold-formed steel framing.	D				
054000	1.3 D 1	PD	Cold-Formed Steel Framing Materials	D				
054000	1.3 D 2	PD	Load-Bearing Wall Framing	D				
054000	1.2 D 3	PD	Exterior Non-Load-Bearing Wall Framing	D				
054000	1.3 D 4	PD	Interior Non-Load-Bearing Wall Framing	D				
054000	1.3 D 5	PD	Vertical Deflection Clips	D				
054000	1.3 D 6	PD	Connection Components	D				
054000	1.3 D 7	PD	Single Deflection Track	D				
054000	1.3 D 8	PD	Ceiling Joist Framing	D				
054000	1.3 D 9	PD	Soffit Framing	D				
054000	1.3 D 10	PD	Self-Drilling Screw Fasteners	D				
054000	1.3 D 11	PD	Sill Seater Gasket	D				
054000	1.3 E	EPD	Environmental Product Declaration	D				
054000	1.3 G	QCS	Qualification Data: For testing agency	D				
054000	1.3 H	QCS	Welding Certificates	D				
054000	1.3 I	QCS	Product Certificates: For each type of code-compliance certification for studs and tracks.	D				
054000	1.3 J 1	QCS	Product Test Reports - Steel Sheet	D				
054000	1.3 J 2	QCS	Product Test Reports - Expansion Anchors	D				
054000	1.3 J 3	QCS	Product Test Reports - Power-Actuated Anchors	D				
054000	1.3 J 4	QCS	Product Test Reports - Mechanical Fasteners	D				
054000	1.3 J 7	QCS	Product Test Reports - Miscellaneous Structural Clips and Accessories.	D				
054000	1.3 K	QCS	Research Reports - Nonstandard cold-formed steel framing	D				
054000	1.3 L	QCS	Source Quality-Control Reports	D				
				D				
055000			METAL FABRICATIONS					
055000	1.3 F	SD	Full detailed drawings of metal fabrications.	D				
055000	1.3 D 1	PD	Fasteners	D				
055000	1.3 D 2	PD	Shop Primers	D				
055000	1.3 D 3	PD	Shrinkage-Resisting Grout	D				
055000	1.3 D 4	PD	Manufactured Metal Ladders	D				
055000	1.3 D 5	PD	Metal Bollards	D				
055000	1.3 D 6	PD	Floor Grating	D				
055000	1.3 D 7	PD	Welded-wire Mesh	D				

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055000	1.3 D 8	PD	Metal Downspout Boots	D				
055000	1.3 E	EPD	Environmental Product Declaration	D				
055000	1.3 G	QCS	Qualification Data	D				
055000	1.3 H	QCS	Mill Certificates: Signed by stainless steel manufacturers, certifying that products furnished comply with requirements.	D				
055000	1.3 I	QCS	Welding Certificates	D				
055000	1.3 J	QCS	Paint Compatibility Certificates: From manufacturers of topcoats applied over shop primers, certifying that shop primers are compatible with topcoats.	D				
055000	1.3 K	QCS	Research Reports: For post-installed anchors.	D				
055000	1.3 L	QCS	Source Quality-Control Reports	D				
055000	1.4	CCS	Maintenance Data: For wire mesh storage room cage hardware to include in maintenance manuals.	D				
055113			METAL PAN STAIRS					
055113	1.4 E	SD	Full detailed drawings of work and welding procedure specifications (WPS).	D				
055113	1.4 D 1	PD	Perforated Metal	D				
055113	1.4 D 2	PD	Abrasive Nosings	D				
055113	1.4 D 3	PD	Shop Primer Products	D				
055113	1.4 D 4	PD	Abrasive-coating Finish to Formed-metal Stairs	D				
055113	1.4 D 5	PD	Handrail Wall Brackets	D				
055113	1.4 D 6	PD	Grout	D				
055113	1.4 F	QCS	Welding Certificates	D				
055113	1.4 G	QCS	Paint Compatibility Certificates: From manufacturers of topcoats applied over shop primers.	D				
055113	1.4 H	QCS	Source Quality-Control Reports	D				
055213			PIPE AND TUBE RAILINGS					
055213	1.4 E	SD	Include plans, elevations, sections, details, attachments to other work, and welding procedure specifications (WPS).	D				
055213	1.4 D 1	PD	Manufacturer's Product Lines of Mechanically Connected Railings	D				
055213	1.4 D 2	PD	Expanded Metal Infill Panels	D				
055213	1.4 D 3	PD	Perforated Metal Infill Panels	D				
055213	1.4 D 4	PD	Woven-wire Mesh Infill Panels	D				
055213	1.4 D 5	PD	Fasteners	D				
055213	1.4 D 6	PD	Post-installed Anchors	D				
055213	1.4 D 7	PD	Handrail Brackets	D				
055213	1.4 D 8	PD	Shop Primer	D				
055213	1.4 D 9	PD	Intermediate Coats and Topcoats	D				
055213	1.4 D 10	PD	Bituminous Paint	D				
055213	1.4 D 11	PD	Nonshrink, Nonmetallic Grout	D				
055213	1.4 D 12	PD	Anchoring Cement	D				
055213	1.4 D 13	PD	Metal Finishes	D				
055213	1.4 D 14	PD	Paint Products	D				

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				F/O				
				D				
				S				
055213	1.4 G 1	SAM	Verification - Sections of each distinctly different linear railing member, including handrails, top rails, posts, and balusters, including finish.	D				
055213	1.4 G 2	SAM	Verification - Fittings and Brackets	D				
055213	1.4 G 3	SAM	Verification - Assembled Sample of Railing System	D				
055213	1.4 H	QCS	Delegated-Design Submittal	D				
055213	1.4 I	QCS	Qualification Data	D				
055213	1.4 J	QCS	Welding Certificates	D				
055213	1.4 K	QCS	Mill Certificates: Signed by manufacturers of stainless steel products.	D				
055213	1.4 L	QCS	Paint Compatibility Certificates: From manufacturers of topcoats applied over shop primers.	D				
055213	1.4 M	QCS	Product Test Reports: For tests on railings performed by a qualified testing agency, in accordance with ASTM E894 and ASTM E935.	D				
055213	1.4 N	QCS	Research Reports: For post-installed anchors, from UNIFORM CODE-ES or other qualified testing agency acceptable to authorities having jurisdiction.	D				
055213	1.4 O	QCS	Source Quality-Control Reports	D				
061000			ROUGH CARPENTRY					
061000	2.1	PD	Wood Products, General	D				
061000	2.2	PD	Fire-Retardant-Treated Materials	D				
061000	2.3	PD	Miscellaneous Lumber	D				
061000	2.4	PD	Plywood Backing Panels	D				
061000	2.5	PD	Fasteners	D				
061000	2.6	PD	Metal Framing Anchors	D				
061000	1.4 E 1	QCS	Evaluation Reports - Fire-retardant-treated Wood	D				
061000	1.4 E 2	QCS	Evaluation Reports - Power-driven Fasteners	D				
061000	1.4 E 3	QCS	Evaluation Reports - Metal Framing Anchors	D				
061600			SHEATHING					
061600	2.2	PD	Wood Panel Products	D				
061600	2.3	PD	Preservative-Treated Plywood	D				
061600	2.4	PD	Fire-Retardant-Treated Plywood	D				
061600	2.5	PD	Wall Sheathing	D				
061600	2.6	PD	Parapet Sheathing	D				
061600	2.7	PD	Fasteners	D				
061600	2.8	PD	Sheathing Joint-and-Penetration Treatment Materials	D				
061600	1.4 A	QCS	Products Certificates: From air-barrier and water-resistant glass-mat gypsum sheathing manufacturer.	D				
061600	1.4 B	QCS	Product Test Reports: For each air-barrier and water-resistant glass-mat gypsum sheathing assembly.	D				
064219			PLASTIC-LAMINATE-FACED WOOD PANELING					

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Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
064219	1.6 E	SD	Full detailed drawings of flush wood paneling and apply AWI Quality Certification Program labeling.	D				
064219	2.1	PD	Paneling, General	D				
064219	2.2	PD	Plastic-Laminate-Faced Wood Paneling	D				
064219	2.3	PD	Materials	D				
064219	2.4	PD	Fire-Retardant-Treated Materials	D				
064219	2.5	PD	Installation Materials	D				
064219	1.6 F	SAM	For each exposed product and for each color and texture specified, in manufacturer's or fabricator's standard size.	D				
064219	1.6 G	SAM	For each type of plastic laminate.	D				
064219	1.6 H	SAM	Verification - For each type of exposed laminate.	D				
064219	1.6 I	QCS	Product Certificates: For each type of product.	D				
064219	1.6 J	QCS	Evaluation Reports: For fire-retardant-treated materials, from the Uniform Code.	D				
064219	1.7 A	QCS	Qualification Data: Fabricator Qualifications	D				
064219	1.7 B	QCS	Qualification Data: For Installer	D				
066000			SOLID PLASTIC FABRICATIONS					
066000	1.1 B	SD	Show fabrication details and connection to adjacent Work	D				
066000	2.2 A	PD	Solid Plastic Panels	D				
066000	1.1 D 1	SAM	Solid Plastic Panels	D				
066400	1.1 D 1 a	SAM	Color Samples	D				
066400	1.1 E 1	QCS	Fabricator's and Installer's Qualification Data	D				
066400	1.1 F 1	CCS	Maintenance Data: Deliver 2 copies, covering the installed products, to the Director's Representative	D				
070150			MODIFICATIONS TO EXISTING WARRANTIED ROOF SYSTEM					
070150	1.4 E	PACK	Submit the product data and quality control submittals specified below at the same time in one complete package	D				
070150	1.4 F 1	PD	Membrane manufacturer's installation instructions and details for the Work of this Section	D				
070150	1.4 F 2	PD	All materials required for the the Work of this Section	D				
070150	1.4 G 1	QCS	Applicator's Certification	D				
070150	1.4 G 2	QCS	Material Certification	D				
070150	1.4 G 3	QCS	Warranty Certification	D				
072100			THERMAL INSULATION					
072100	1.3 D 1	PD	Polyisocyanurate foam-plastic board insulation	D				
072100	1.3 D 2	PD	Mineral-wool blanket insulation	D				
072100	1.3 D 3	PD	Mineral-fiber blanket insulation	D				
072100	1.3 D 4	PD	Spray-foam insulation	D				
072100	1.3 E 1	SAM	Blanket, Batt or Roll	D				
072100	1.3 E 2	SAM	Rigid Type	D				
072100	1.3 F	QCS	Product Test Reports: For each product, for tests performed by a qualified testing agency.	D				

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072100	1.3 G	QCS	Research Reports: For foam-plastic insulation, from UNIFORM CODE-ES.	D				
072500			WEATHER BARRIERS					
072500	1.3 E	SD	Show details of building paper wrap at terminations, openings, and penetrations. Show details of flexible flashing applications.	D				
072500	2.1	PD	Water-Resistive Barrier	D				
072500	2.2	PD	Flexible Flashing	D				
072600			VAPOR RETARDERS					
072600	2.1 B	PD	Sheet Retarder	D				
072600	2.2 B	PD	Vapor Barrier Fasteners	D				
072600	2.2 C	PD	Vapor-Retarder Tape	D				
072600	2.2 D	PD	Sealant	D				
072600	1.4 E 1	SAM	Vapor Barrier Material	D				
072600	1.4 E 2	SAM	Pressure-Sensitive Tape	D				
072600	1.4 F	QCS	Product Test Reports: For each product, for tests performed by a qualified testing agency.	D				
072700			AIR BARRIERS					
072700	2.1	PD	Air Barriers	D				
072700	2.3	PD	Components	D				
072700	2.4	PD	Accessories	D				
072700	1.6 D	QCS	Design Calculations	D				
072700	1.6 E	QCS	Manufacturer's Installation Instructions	D				
074213-19			INSULATED METAL WALL PANELS					
074213-19	1.3 E	SD	Full detailed drawings of metal panels.	D				
074213-19	2.2	PD	Foamed-Insulation-Core Metal Wall Panels	D				
074213-19	2.3	PD	Miscellaneous Materials	D				
074213-19	2.5	PD	Finishes	D				
074213-19	1.3 F	SAM	For each type of metal panel indicated with factory-applied color finishes.	D				
074213-19	1.3 G	SAM	Verification - For each type of exposed finish.	D				
074213-19	1.3 H 1	QCS	Qualification Data: For Installer.	D				
074213-19	1.3 H 2	QCS	Product Test Reports: For each product, tests performed by a qualified testing agency.	D				
074213-19	1.3 H 3	QCS	Field Quality-Control Reports.	D				
074213-19	1.3 H 4	QCS	Sample Warranties: For special warranties.	D				
074213-19	1.3 I	CCS	Maintenance Data: For metal panels to include in maintenance manuals.	F				
075323			ETHYLENE-PROPYLENE-DIENE-MONOMER (EDPM) ROOFING					
075323	1.4 E	PACK	Submit the shop drawings, product data, samples, and quality control submittals specified below at the same time as a package.	D				
075323	1.4 L	SD	Full detailed drawings of roofing.	D				
075323	2.2	PD	System Description	D				

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075323	2.3	PD	Ethylene-Propylene-Diene-Terpolymer (EPDM) Roofing	D				
075323	2.4	PD	Auxiliary Roofing Materials	D				
075323	2.5	PD	Substrate Boards	D				
075323	2.6	PD	Vapor Retarder	D				
075323	2.7	PD	Roof Insulation	D				
075323	2.8	PD	Insulation Accessories	D				
075323	2.9	PD	Hot Stack Flashing	D				
075323	2.1	PD	Walkways	D				
075323	1.4 M 1	SAM	Roof membrane and flashings of color required	D				
075323	1.4 M 2	SAM	EPDM Cover Tape	D				
075323	1.4 M 3	SAM	Inseam Tape	D				
075323	1.4 M 4	SAM	Insulation	D				
075323	1.4 M 5	SAM	Substrate Board	D				
075323	1.4 M 6	SAM	Walkway pads or rolls, of color required	D				
075323	1.4 M 7	SAM	Torch-Applied Vapor Retarder	D				
075323	1.4 J	PD	Letter of Assembly	D				
075323	1.4 N 1	QCS	Wind Uplift Resistance	D				
075323	1.4 N 2	QCS	Fire Hazard Certification	D				
075323	1.4 M 3	QCS	Qualification Data: For Installer and manufacturer.	D				
075323	1.4 M 4	QCS	Material Certificates	D				
075323	1.4 M 5	QCS	Product Test Reports	D				
075323	1.4 M 6	QCS	Evaluation Reports	D				
075323	1.4 M 7	QCS	Field Test Reports	D/F				
075323	1.4 M 8	QCS	Field Quality-Control Reports	D/F				
075323	1.4 O 1	CCS	Sample Warranties: For manufacturer's special warranties.	F				
075323	1.5 A	CCS	Maintenance Data: For roofing system to include in maintenance manuals.	F				
075323	1.5 A	CCS	Maintenance Materials Submittals	F				
076200			SHEET METAL FLASHING AND TRIM					
076200	1.5 E	SD	Full detailed drawings for sheet metal flashing and trim.	D				
076200	2.2	PD	Sheet Metals	D				
076200	2.3	PD	Miscellaneous Materials	D				
076200	2.3 I	PD	Manufacturer's Installation Instructions	D				
076200	1.5 F 1	SAM	Sheet Metal Flashing	D				
076200	1.5 F 2	SAM	Trim, Metal Closures, Expansion Joints, Joint Intersections, and Miscellaneous Fabrications	D				
076200	1.5 F 3	SAM	Unit-Type Accessories and Miscellaneous Materials	D				
076200	1.5 F 4	SAM	Kynar Coated Aluminum Samples	D				
076200	1.5 G	QCS	Qualification Data: For fabricator.	D				
076200	1.5 I	QCS	Manufacturer's Installation Instructions	D				
076200	1.10	CCS	Special Warranty	F				
076200	1.6 A	CCS	Maintenance Data	F				
077200			ROOF ACCESSORIES					
077200	1.4 E	SD	Full detailed drawings for roof accessories.	D				
	2.2	PD	Ballasted Fall Protection Rail System	D				

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Spec Section	Sub Section	Type	Description	F	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
				F/O				
				D				
				S				
077200	2.3	PD	Pre-Manufactured Plumbing Vent Flashings	D				
077200	2.4	PD	Plumbing Vent Pipe Extensions	D				
077200	2.5	PD	Pipe Chase Housing	D				
077200	2.6	PD	Pipe/Conduit Supports	D				
077200	2.7	PD	Sleeper Equipment Supports	D				
077200	2.8	PD	Metal Roof Drains	D				
077200	2.9	PD	Fixed Access Ladder / Stair	D				
077200	2.10	PD	Grease Guards	D				
077200	1.4 F 1	CCS	Operation and Maintenance Data	F				
078413			PENETRATION FIRESTOPPING					
078413	1.6 D	PACK	Submit the Product Data, Samples, Quality Control Submittals and Firestop Schedule at the same time as a package.	D				
078413	2.2	PD	Penetration Firestopping Systems	D				
078413	2.3	PD	Fill Materials	D				
078413	2.4	PD	Mixing	D				
078413	1.6 F	QCS	Product Schedule	D				
078413	1.6 G 1	QCS	Design Data	D				
078413	1.6 G 2	QCS	Installer's Qualifications Data	D				
078413	1.6 G 3	QCS	Company Field Advisor Data	D				
078413	1.6 H	QCS	Firestop Schedule	D				
078413	1.6 I	QCS	Product Test Reports	D				
078413	1.6 J	CCS	Installer Certificates	F				
078443			JOINT FIRESTOPPING					
078443	2.2	PD	Joint Firestopping Systems	D				
078443	1.4 E	QCS	Product Schedule	D				
078443	1.4 F	QCS	Qualification Data: For Installer.	D				
078443	1.4 G	QCS	Product Test Reports	D				
078443	1.5 A	CCS	Installer Certificates	F				
079200			JOINT SEALANTS					
079200	2.2	PD	Silicone Joint Sealants	D				
079200	2.3	PD	Mildew-Resistant Joint Sealants	D				
079200	2.4	PD	Butyl Joint Sealants	D				
079200	2.5	PD	Latex Joint Sealants	D				
079200	2.6	PD	Preformed, Foam Joint Seals	D				
079200	2.7	PD	Flame and Smoke Resistant Intumescent Sealants	D				
079200	1.3 F 1	SAM	Sealants	D				
079200	1.3 F 2	SAM	Joint Fillers	D				
079200	1.3 F 3	SAM	Joint Primer/Sealer/Conditions	D				
079200	1.3 F 4	SAM	Backer Rods	D				
079200	1.3 F 5	SAM	Bond Breaker Tape	D				
079200	1.3 G	SAM	Initial Selection: Manufacturer's color charts consisting of strips of cured sealants showing the full range of colors available for each product exposed to view.	D				
079200	1.3 H	SAM	Verification - For each kind and color of joint sealant required.	D				

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Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
079200	1.3 E 1	QCS	Installer's Qualifications Data	D				
079200	1.3 E 2	QCS	Qualification Data: Company Field Advisor Data	D				
079200	1.4 B 1	QCS	Testing Agency Qualifications	D				
079200	1.3 J	QCS	Sample Warranties	D				
081113			HOLLOW METAL DOORS AND FRAMES					
081113	1.5 E	SD	Full detailed drawings that indicate exact position of access door units and any special installation conditions.	D				
081113	2.2	PD	Interior Standard Steel Doors and Frames	D				
081113	2.3	PD	Exterior Standard Steel Doors and Frames	D				
081113	2.4	PD	Borrowed Lites	D				
081113	2.5	PD	Hollow Metal Panels	D				
081113	2.6	PD	Frame Anchors	D				
081113	2.7	PD	Materials	D				
081113	2.8	PD	Fabrication	D				
081113	2.9	PD	Steel finishes	D				
081113	2.10	PD	Louvers	D				
081113	1.5 F	SAM	Initial Selection: For hollow-metal doors and frames with factory-applied color finishes.	D				
081113	1.5 G	SAM	Verification: Finishes: For each type of exposed finish required, prepared on Samples of not less than 3 by 5 inches.	D				
081113	1.5 H	QCS	Product Schedule	D				
081113	1.5 I	QCS	Product Test Reports	D				
081113	1.5 J	QCS	Field quality control reports	D				
081113	1.6 A	CCS	Record Documents	F				
083313			COILING COUNTER DOORS					
083313	1.2 E	SD	Full detailed drawings for each installation and for special components not dimensioned or detailed in manufacturer's product data.	D				
083313	2.2	PD	Counter Door Assembly	D				
083313	2.3	PD	Door Curtain Materials and Fabrication	D				
083313	2.4	PD	Hoods	D				
083313	2.5	PD	Locking Devices	D				
083313	2.6	PD	Curtain Accessories	D				
083313	2.7	PD	Counterbalance Mechanism	D				
083313	2.8	PD	Manual Door Operators	D				
083313	2.9	PD	General Finish Requirements	D				
083313	2.10	PD	Steel and Galvanized-Steel Finishes	D				
083313	1.2 F	SAM	Manufacturer's finish charts showing full range of colors and textures available for units with factory-applied finishes.	D				
083313	1.2 G	QCS	Maintenance Data	D				
083313	1.2 H	CCS	Installer Qualification Data	F				
083323			OVERHEAD COILING DOORS					
083323	1.2 E	SD	Full detailed drawings for each installation and for special components not dimensioned or detailed in manufacturer's product data.	D				

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083323	2.3	PD	Door Assembly	D				
083323	2.5 A	PD	Door Curtains	D				
083323	2.5 B	PD	Curtain Jamb Guides	D				
083323	2.6	PD	Hoods	D				
083323	2.7	PD	Locking Devices	D				
083323	2.8	PD	Curtain Accessories	D				
083323	2.9	PD	Counterbalance Mechanism	D				
083323	2.10	PD	Electric Door Operators	D				
083323	2.11	PD	General Finish Requirements	D				
083323	2.12	PD	Steel and Galvanized-Steel Finishes	D				
083323	1.2 F	SAM	Initial Selection: Manufacturer's finish charts showing full range of colors and textures available for units with factory-applied finishes.	D				
083323	1.2 G 1	QCS	Qualification Data: For Installer	D				
083323	1.2 G 2	QCS	Sample Warranty	D				
083323	1.2 H 1	CCS	Replacement Parts List	F				
083323	1.2 H 2	CCS	Special Warranty	F				
083323	1.2 H 3	CCS	Maintenance Data	F				
083323	1.3 A	CCS	Installer Qualification Data	F				
084113			ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS					
084113	1.3 E	SD	Full detailed drawings for aluminum-framed entrances and storefronts.	D				
084113	2.3	PD	Storefront Systems	D				
084113	2.4	PD	Entrance Door Systems	D				
084113	2.5	PD	Entrance Door Hardware	D				
084113	2.6	PD	Glazing	D				
084113	2.7	PD	Materials	D				
084113	2.8	PD	Accessories	D				
084113	1.3 F	SAM	Initial Selection: For units with factory-applied color finishes.	D				
084113	1.3 G	SAM	Verification - For each type of exposed finish required.	D				
084113	1.3 H 1	SAM	Fabrication - Joinery	D				
084113	1.3 H 2	SAM	Fabrication - Anchorage	D				
084113	1.3 H 3	SAM	Fabrication - Expansion Provisions	D				
084113	1.3 H 4	SAM	Fabrication - Glazing	D				
084113	1.3 H 5	SAM	Fabrication - Flashing and Drainage	D				
084113	1.3 I	QCS	Entrance Door Hardware Schedule	D				
084113	1.4 A	QCS	Qualification Data: For Installer	D				
084113	1.3 J 1	QCS	Energy Performance Certificates	D				
084113	1.3 J 2	QCS	Source Quality-Control Reports	D				
084113	1.3 J 3	QCS	Sample Warranties	D				
084113	1.3 K	CCS	Maintenance Data	F				
084413			GLAZED ALUMINUM CURTAIN WALLS					
084413	1.2 G	SD	Full detailed drawings for glazed aluminum curtain walls.	D				
084413	2.3	PD	Glazed Aluminum Curtain Wall Systems	D				
084413	2.4	PD	Glazing	D				

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				F/O				
				D				
				S				
084413	2.5	PD	Materials	D				
084413	2.6	PD	Accessories	D				
084413	1.2 H	SAM	Initial Selection: For units with factory-applied color finishes.	D				
084413	1.2 I	SAM	Verification - For each type of exposed finish required.	D				
084413	1.2 J 1	SAM	Fabrication - Joinery	D				
084413	1.2 J 2	SAM	Fabrication - Anchorage	D				
084413	1.2 J 3	SAM	Fabrication - Expansion Provisions	D				
084413	1.2 J 4	SAM	Fabrication - Glazing	D				
084413	1.2 J 5	SAM	Fabrication - Flashing and Drainage	D				
084413	1.2 E 1	QCS	Qualification Data: For Installer	D				
084413	1.2 E 2	QCS	Energy Performance Certificates	D				
084413	1.2 E 3	QCS	Product Test Reports	D				
084413	1.2 E 4	QCS	Source Quality-Control Reports	D				
084413	1.2 E 5	QCS	Field Quality-Control Reports	D				
084413	1.2 E 6	QCS	Sample Warranties	D				
084413	1.4 B	QCS	Preconstruction Laboratory Mockup Testing	D				
084413	1.2 K 1	CCS	Maintenance Data	F				
085113			ALUMINUM WINDOWS					
085113	1.3 E	SD	Full detailed drawings for aluminum windows.	D				
085113	2.3	PD	Aluminum Windows	D				
085113	2.4	PD	Accessories	D				
085113	1.3 F 1	SAM	Corner section for each type of window unit and for each color specified.	D				
085113	1.3 F 2	SAM	Manufacturer's standard color finishes for selection	D				
085113	1.3 G	QCS	Product Schedule	D				
085113	1.3 H 1	QCS	Qualification Data: For manufacturer and Installer.	D				
085113	1.3 H 2	QCS	Product Test Reports	D				
085113	1.3 H 3	QCS	Sample Warranties	D				
087100			DOOR HARDWARE					
087100	1.6 E	SD	Full detailed drawings including diagrams for power, signal, and control wiring; and details of interface of electrified door hardware and building safety and security systems.	D				
087100	1.6 F	SAM	For each exposed product in each finish specified, in manufacturer's standard size.	D				
087100	1.6 G	SAM	Initial Selection: For each type of exposed finish	D				
087100	1.6 H	SAM	Verification: For each type of exposed product, in each finish specified.	D				
087100	2.3	PD	Hinges	D				
087100	2.4	PD	Self-Closing Hinges And Pivots	D				
087100	2.5	PD	Center-Hung And Offset Pivots	D				
087100	2.6	PD	Continuous Hinges	D				
087100	2.7	PD	Concealed Hinges	D				
087100	2.8	PD	Mechanical Locks And Latches	D				
087100	2.9	PD	Auxiliary Locks	D				
087100	2.10	PD	Electric Strikes	D				

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				F/O				
				D				
				S				
087100	2.11	PD	Electromagnetic Locks	D				
087100	2.12	PD	Electromechanical Locks	D				
087100	2.13	PD	Exit Locks and Exit alarms	D				
087100	2.14	PD	Surface Bolts	D				
087100	2.15	PD	Manual Flush Bolts	D				
087100	2.16	PD	Automatic and Self-Latching Flush Bolts	D				
087100	2.17	PD	Exit Devices and Auxiliary Items	D				
087100	2.18	PD	Lock Cylinders	D				
087100	2.19	PD	Keying	D				
087100	2.20	PD	Key Control System	D				
087100	2.21	PD	Operating Trim	D				
087100	2.22	PD	Accessories for Pairs of Doors	D				
087100	2.23	PD	Surface Closers	D				
087100	2.24	PD	Concealed Closers	D				
087100	2.25	PD	Closer Holder Release Devices	D				
087100	2.26	PD	Mechanical Stops and Holders	D				
087100	2.27	PD	Electromagnetic Stops and Holders	D				
087100	2.28	PD	Overhead Stops and Holders	D				
087100	2.29	PD	Door Gasketing	D				
087100	2.30	PD	Thresholds	D				
087100	2.31	PD	Sliding Door Hardware	D				
087100	2.32	PD	Folding Door Hardware	D				
087100	2.33	PD	Metal Protective Trim Units	D				
087100	2.34	PD	Auxiliary Door Hardware	D				
087100	2.35	PD	Auxiliary Electrified Door Hardware	D				
087100	1.6 I	QCS	Door Hardware Schedule	D				
087100	1.6 J	QCS	Keying Schedule	D				
087100	1.6 K	QCS	Qualification Data: For Installer and Architectural Hardware Consultant	D				
087100	1.6 L	QCS	Product Certificates	D				
087100	1.6 M	QCS	Product Test Reports	D				
087100	1.6 N	QCS	Field quality-control reports.	D				
087100	1.6 O	QCS	Sample Warranty	D				
087100	1.7 A	CCS	Maintenance Data	F				
087100	1.7 B	CCS	Schedules	F				
087100	1.8 A 1	CCS	Door Hardware: Provide 2 of each type of hardware for future use	F				
087100	1.8 A 2	CCS	Electrical Parts: Provide 1 of each type of electrical item for future use	F				
088000			GLAZING					
088000	2.3	PD	Glass Products, General	D				
088000	2.4	PD	Glass Products	D				
088000	2.5	PD	Insulating Glass	D				
088000	2.6	PD	Glazing Sealants	D				
088000	2.7	PD	Miscellaneous Glazing Materials	D				
088000	1.5 E	EPD	Environmental Product Declaration	D				
088000	1.5 F 1	SAM	Insulating glass	D				
088000	1.5 F 2	SAM	Clear Ceramic glass	D				
088000	1.5 F 3	SAM	Spandrel glass.	D				

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088000	1.5 G	SAM	For sealants and colored spacers, in 12-inch lengths. Install sealant Samples between two strips of material representative in color of adjoining framing system.	D				
088000	1.5 H	QCS	Glazing Schedule	D				
088000	1.5 I 1	QCS	Product Certificates	D				
088000	1.5 I 2	QCS	Preconstruction adhesion and compatibility test report	D				
088000	1.5 I 3	QCS	Sample Warranties	D				
088000	1.6 A	QCS	Fabricated-Glass Manufacturer Qualifications	D				
088000	1.6 B	QCS	Installer Qualifications	D				
088300			MIRRORS					
088300	1.2 E	SD	Include mirror elevations, edge details, mirror hardware, and attachment details.	D				
088300	2.2	PD	Silvered Flat Glass Mirrors	D				
088300	2.3	PD	Miscellaneous Materials	D				
088300	2.4	PD	Mirror Hardware	D				
088300	2.5	PD	Fabrication	D				
088300	1.2 F 1	SAM	Mirrors	D				
088300	1.2 F 2	SAM	Mirror Clips	D				
088300	1.2 F 3	SAM	Mirror Trim	D				
088300	1.2 G 1	QCS	Qualification Data: For Installer.	D				
088300	1.2 G 2	QCS	Product Certificates	D				
088300	1.2 G 3	QCS	Sample Warranty	D				
088300	1.2 H	CCS	Maintenance Data	F				
088813			FIRE-RATED GLAZING					
088813	2.3	PD	Glass Products, General	D				
088813	2.4	PD	Glass Products	D				
088813	2.5	PD	Fire-Resistance-Rated Glazing	D				
088813	2.6	PD	Glazing Accessories	D				
088813	2.7	PD	Miscellaneous Glazing Materials	D				
088813	1.5 E	EPD	Environmental Product Declaration	D				
088813	1.5 F	SAM	For each type of glass product; 12 inches square	D				
088813	1.5 G	QCS	Glazing Schedule	D				
088813	1.5 H 1	QCS	Qualification Data: For Installer	D				
088813	1.5 H 2	QCS	Product Certificates	D				
088813	1.5 H 3	QCS	Sample Warranties	D				
089119			FIXED LOUVERS					
089119	1.3 E	SD	Full detailed drawings for louvers and accessories.	D				
089119	2.3	PD	Fixed Extruded-Aluminum Louvers	D				
089119	2.4	PD	Louver Screens	D				
089119	1.3 F	SAM	For each type of metal finish required.	D				
089119	1.3 G	QCS	Sample Warranties	D				
090561			MOISTURE VAPOR EMISSION CONTROL					
090561	1.3 E	PD	Qualification Data: For Installer and Manufacturer	D				

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090561	1.3 F	PD	Product Test Reports	D				
0909561	1.3 G	PD	Preinstallation testing reports	D				
090561	1.3 H	PD	Field quality-control reports	D				
090561	2.2	PD	MVE-Control System	D				
090561	2.3	PD	Accessories	D				
092116			GYPSUM BOARD ASSEMBLIES					
092116	2.1	PD	Gypsum Board	D				
092116	2.2	PD	Fasteners	D				
092116	2.3	PD	Trim	D				
092116	2.4	PD	Accessories	D				
092116	2.5	PD	Joint Treatment Materials	D				
092116	1.3 E 1	SAM	Gypsum Board	D				
092116	1.3 E 2	SAM	Fasteners	D				
092116	1.3 E 3	SAM	Adhesive	D				
093013			CERAMIC TILING					
093013	1.5 E	SD	Full detailed drawings of each type of tile and tile pattern.	D				
093013	2.3	PD	Tile Products	D				
093013	2.4	PD	Thresholds	D				
093013	2.5	PD	Tile Backing Panels	D				
093013	2.6	PD	Waterproof Membrane	D				
093013	2.7	PD	Crack Isolation Membrane	D				
093013	2.8	PD	Setting Materials	D				
093013	2.9	PD	Grout Materials	D				
093013	2.10	PD	Miscellaneous Materials	D				
093013	2.11	PD	Mixing Mortars and Grout	D				
093013	1.5 F	SAM	Initial Selection: For tile, grout, and accessories involving color selection.	D				
093013	1.5 G 1	SAM	Verification - Full-size units of each type and composition of tile and for each color and finish required.	D				
093013	1.5 G 2	SAM	Verification - Full-size units of each type of trim and accessory.	D				
093013	1.5 G 3	SAM	Verification - Stone Thresholds	D				
093013	1.5 G 4	SAM	Verification - Metal Edge Strips	D				
093013	1.5 H	QCS	Qualification Data: For Installer.	D				
093013	1.5 I	QCS	Master Grade Certificates	D				
093013	1.5 J	QCS	Product Certificates	D				
093013	1.5 K	QCS	Product Test Reports	D				
093013	1.5 L	QCS	Field Quality Control Reports	D				
093013	1.6 A	QCS	Maintenance Material Submittals	F				
093023			GLASS MOSAIC TILING					
093023	1.5 E	SD	Full detailed drawings of each type of tile and tile pattern.	D				
093023	2.3	PD	Tile Products	D				
093023	2.4	PD	Tile Backing Panels	D				
093023	2.5	PD	Setting Materials	D				

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				D				
				S				
093023	2.6	PD	Grout Materials	D				
093023	2.7	PD	Miscellaneous Materials	D				
093023	2.8	PD	Mixing Mortars and Grout	D				
093023	1.5 F	SAM	Initial Selection: For tile, grout, and accessories involving color selection.	D				
093023	1.5 G 1	SAM	Verification - Full-size units of each type and composition of tile and for each color and finish required.	D				
093023	1.5 H	QCS	Qualification Data: For Installer.	D				
093023	1.5 I	QCS	Master Grade Certificates	D				
093023	1.5 J	QCS	Product Certificates	D				
093023	1.5 K	QCS	Product Test Reports	D				
093023	1.6 A	QCS	Maintenance Material Submittals	D/F				
095123			ACOUSTICAL TILE CEILINGS					
095123	1.5 D	PACK	Submit the Product Data, Samples, Quality Control Submittals and Firestop Schedule at the same time as a package.	D				
095123	1.5 I	SD	Coordination Drawings	D				
095123	2.3	PD	Acoustical Tiles ACT-1	D				
095123	2.4	PD	Metal Suspension System ACT-1	D				
095123	2.5	PD	Acoustical Tiles ACT-2	D				
095123	2.6	PD	Metal Suspension System ACT-2	D				
095123	2.7	PD	Accessories	D				
095123	2.8	PD	Metal Edge Molding and Trim	D				
095123	1.5 F	SAM	For each exposed product and for each color and texture specified.	D				
095123	1.5 G	SAM	Initial Selection: For components with factory-applied finishes.	D				
095123	1.5 H 1	SAM	Verification - Acoustical Tiles	D				
095123	1.5 H 2	SAM	Verification - Concealed Suspension-System Members	D				
095123	1.5 H 3	SAM	Verification - Exposed Moldings and Trim	D				
095123	1.5 H 4	SAM	Verification - Fasteners	D				
095123	1.5 H 5	SAM	Verification - Wire	D				
095123	1.5 J 1	QCS	Installer's Qualifications Data	D				
095123	1.6 A	CCS	Maintenance Data	F				
095123	1.7 A	CCS	Maintenance Materials	F				
096513			RESILIENT BASE AND ACCESSORIES					
096513	2.1	PD	Thermoset-Rubber Base RB-1	D				
096513	2.2	PD	Thermoset-Rubber Base RB-2	D				
096513	2.3	PD	Installation Materials	D				
096513	1.2 E	SAM	For each exposed product, color and texture specified.	D				
096513	1.2 F	QCS	Product Schedule	D				
096513	1.3 A	QCS	Maintenance Material Submittals	D/F				
096536			STATIC-CONTROL RESILIENT FLOORING					
096536	2.1	PD	Static-Control, Vinyl Composition Floor Tile	D				
096536	2.2	PD	Installation Materials	D				

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096536	1.3 E	SAM	Verification - For each type of static-control resilient flooring and in each color, pattern, and texture required.	D				
096536	1.3 F	QCS	Product Schedule	D				
096536	1.3 G	QCS	Qualification Data: For Installer.	D				
096536	1.3 H	QCS	Product Test Reports	D				
096536	1.3 I	QCS	Field Quality-Control Reports	D				
096536	1.5	QCS	Maintenance Material Submittals	D				
096536	1.4 A	CCS	Maintenance Data	F				
096566			RESILIENT ATHLETIC FLOORING					
096566	1.4 E	SD	Shop Drawings: Show installation details and locations	D				
096566	2.1	PD	Interlocking Rubber Floor Tilke AF-1	D				
096566	1.4 F	SAM	Samples: For each exposed product and for each type, color, and pattern specified, 6-inch- square in size and of the same thickness	D				
096566	1.4 G	SAM	Samples for Initial Selection: For each type of resilient athletic flooring	D				
096566	1.4 H	SAM	Samples for Verification: For each type, color, and pattern of flooring specified, 6-inch- square in size and of same thickness and material indicated for the Work	D				
096566	1.5 A	QCS	Maintenance Data	D				
096566	1.6	QCS	Maintenance Material Submittals	D				
096723			RESINOUS FLOORING					
096723	2.1	PD	Resinous Flooring and Base (ERF-1)	D				
096723	2.2	PD	Resinous Flooring and Base (ERF-2)	D				
096723	2.3	PD	Accessory Materials	D				
096723	1.4 E	SAM	Verification - For each resinous flooring system required and for each color and texture specified.	D				
096723	1.4 F	QCS	Product Schedule	D				
096723	1.4 G	QCS	Installer's Qualifications Data	D				
096723	1.4 H	QCS	Material Certificates	D				
096723	1.4 I	QCS	List of Completed Installations	D				
096723	1.4 J	QCS	Material Test Reports	D				
096723	1.4 K	QCS	Field Quality-Control Reports	D				
096723	1.5 A	CCS	Maintenance Data	F				
096813			TILE CARPETING					
096813	2.1	PD	Carpet Tile CPT-1	D				
096813	2.2	PD	Carpet Tile CPT-2	D				
096813	2.3	PD	Installation Accessories	D				
096813	1.5 E 1	SAM	Carpet Tile	D				
096813	1.5 E 2	SAM	Exposed Edge, Transition and Other Accessory Stripping.	D				
096813	1.5 F	QCS	Product Schedule	D				
096813	1.5 G	QCS	Qualification Data: For Installer.	D				
096813	1.5 H	QCS	Product Test Reports	D				

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Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
096813	1.5 I	QCS	Sample Warranty	D				
096813	1.6 A	CCS	Maintenance Data	F				
096813	1.7 A	QCS	Maintenance Material Submittals	D				
097200			WALL COVERINGS					
097200	1.4 E	SD	Show location and extent of each wall-covering type. Indicate pattern placement, veneer matching seams and termination points	D				
097200	2.2	PD	Vinyl Wall Covering WC-1	D				
097200	2.3	PD	Vinyl Wall Covering WC-2, WC-5 through WC-9	D				
097200	2.4	PD	Vinyl Wall Covering WC-3	D				
097200	2.5	PD	Vinyl Wall Covering WC-4	D				
097200	1.4 F	SAM	For each type of wall covering and for each color, pattern, texture, and finish specified.	D				
097200	1.4 G	QCS	Product Schedule	D				
097200	1.4 H	QCS	Product Test Reports	D				
097200	1.5 A	CCS	Maintenance Data	F				
097200	1.6 A	QCS	Maintenance Material Submittals	D				
098436			SOUND-ABSORBING CEILING UNITS					
098436	1.5 E	SD	Full detailed drawings for unit assembly and installation.	D				
098436	1.5 H	SD	Coordination Drawings	D				
098436	2.3	PD	Sound-Absorbing Ceiling Units	D				
098436	2.4	PD	Materials	D				
098436	1.5 F	SAM	Initial Selection: For each color option.	D				
098436	1.5 G 1	SAM	Verification - Panel Edge	D				
098436	1.5 G 2	SAM	Verification - Core Material	D				
098436	1.5 G 3	SAM	Verification - Mounting Devices	D				
098436	1.5 G 4	SAM	Verification - Assembled Panels	D				
098436	1.5 I	QCS	Product Certificates	D				
098436	1.5 J	QCS	Sample Warranty	D				
098436	1.6	CCS	Maintenance Data	D				
098436	1.7	QCS	Maintenance Material Submittals	D				
099114			EXTERIOR PAINTING (MPI STANDARDS)					
099114	2.3	PD	Paint Materials	D				
099114	2.4	PD	Source Quality Control	D				
099114	1.4 F	SAM	Each Type of Topcoat Product	D				
099114	1.4 G	SAM	Initial Selection: For Each Type of Topcoat Product	D				
099114	1.4 H	SAM	Verification - For Each Type of Paint System and Each Color and Gloss of Topcoat	D				
099114	1.4 D	QCS	Painting Schedule	D				
099114	1.4 I	QCS	Contractor's Qualifications	D				
099114	1.4 J	QCS	Certification of Volatile Organic Compounds	D				
099123			INTERIOR PAINTING (MPI STANDARDS)					
099123	2.3	PD	Paint Materials	D				
099123	1.4 F	SAM	Verification - For Each Type of Paint System and Each Color and Gloss of Topcoat	D				

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				F/O				
				D				
				S				
099123	1.4 D	QCS	Painting Schedule	D				
099123	1.4 G	QCS	Contractor's Qualifications	D				
099123	1.4 H	QCS	Certification of Volatile Organic Compounds	D				
101419			DIMENSIONAL LETTER SIGNAGE					
101419	1.3 E	SD	Full detailed drawings for signs.	D				
101419	2.1	PD	Dimensional Characters	D				
101419	2.2	PD	Dimensional Character Materials	D				
101419	2.3	PD	Accessories	D				
101419	1.3 F	SAM	Initial Selection: For each type of sign assembly, exposed component, and exposed finish.	D				
101419	1.3 G	SAM	Verification - For each type of sign assembly showing all components and with the required finish(es), in manufacturer's standard size unless otherwise indicated.	D				
101419	1.3 H	QCS	Product Schedule	D				
101419	1.3 I	QCS	Qualification Data: For Installer and manufacturer.	D				
101419	1.3 J	QCS	Sample Warranty	D				
101419	1.4 A	CCS	Maintenance Data	F				
101423.16			ROOM-IDENTIFICATION PANEL SIGNAGE					
101423.16	1.6 E	SD	Full detailed drawings for room-identification signs.	D				
101423.16	2.2	PD	Room-Identification Signs	D				
101423.16	2.3	PD	Sign Materials	D				
101423.16	2.4	PD	Accessories	D				
101423.16	1.6 F	SAM	Initial Selection: For each type of sign assembly, exposed component, and exposed finish.	D				
101423.16	1.6 G	SAM	Verification - For each type of sign assembly showing all components and with the required finish(es), in manufacturer's standard size unless otherwise indicated.	D				
101423.16	1.6 H	QCS	Product Schedule	D				
101423.16	1.6 I	QCS	Qualification Data: For fabricator	D				
101423.16	1.6 J	QCS	Sample Warranty	D				
101423.16	1.7 A	CCS	Maintenance Data	D				
101423.16	1.8	QCS	Maintenance Material Submittals	F				
102113.19			PLASTIC TOILET COMPARTMENTS					
102113.19	1.3 E	SD	Full detailed drawings for solid-plastic toilet compartments.	D				
102113.19	2.2	PD	Solid-Plastic Toilet Compartments	D				
102113.19	2.3	PD	Hardware and Accessories	D				
102113.19	1.3 F	SAM	Initial Selection: Manufacturer's Standard Color Sheets	D				
102113.19	1.3 G	SAM	Verification - Actual sample of finished products for each type of toilet compartment indicated.	D				
102113.19	1.4 A	CCS	Maintenance Data	D				
102113.19	1.5	QCS	Maintenance Material Submittals	F				

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102116.19			PLASTIC SHOWER COMPARTMENTS					
102116.19	1.3 E	SD	Full detailed drawings for shower and dressing compartments.	D				
102116.19	2.2	PD	Shower Receptors	D				
102116.19	1.3 F	SAM	Initial Selection: For each type of receptor material indicated.	D				
102116.19	1.3 G	SAM	Verification - Each type of hardware and accessory.	D				
102116.19	1.3 H	QCS	Product Certificates	D				
102116.19	1.4 A	QCS	Maintenance Data	D				
102233			ACCORDIAN FOLDING PARTITIONS					
102233	1.6 E	SD	Full detailed drawings for accordion folding partitions.	D				
102233	1.6 H	SD	Coordination Drawings	D				
102233	1.6 I	SD	Setting Drawings	D				
102233	2.2	PD	Accordian Folding Partition	D				
102233	2.3	PD	Components	D				
102233	2.4	PD	Suspension Systems	D				
102233	2.5	PD	Electric Operators	D				
102233	2.6	PD	Facing Materials	D				
102233	1.6 F	SAM	Initial Selection: For each type of exposed material, facing material, and finish indicated.	D				
102233	1.6 G	SAM	Verification - For each type of exposed material, facing material, and finish indicated.	D				
102233	1.6 J	QCS	Qualification Data: For manufacturer and Installer.	D				
102233	1.6 K	QCS	Product Certificates	D				
102233	1.6 L	QCS	Sample Warranty	D				
102233	1.7 A	CCS	Operation and Maintenance Data	F				
102600			WALL AND DOOR PROTECTION					
102600	1.3 E	SD	For each type of wall and door protection showing locations and extent	D				
102600	2.3	PD	Corner Guards	D				
102600	2.4	PD	Abuse-Resistant Sheet Wall Covering	D				
102600	1.3 F	SAM	Initial Selection: For each type of exposed finish on the following products, prepared on Samples	D				
102600	1.3 G	QCS	Sample Warranty	D				
102600	1.4 A	CCS	Maintenance Data	F				
102600	1.5	QCS	Maintenance Material Submittals	F				
102800			TOILET, BATH, AND LAUNDRY ACCESSORIES					
102800	2.2	PD	Public-Use Washroom Accessories	D				
102800	2.3	PD	Public-Use Shower Room Accessories	D				
102800	2.4	PD	Healthcare Accessories	D				
102800	2.5	PD	Childcare Accessories	D				
102800	2.6	PD	Underlatory Guards	D				
102800	2.7	PD	Custodial Accessories	D				
102800	1.4 E	SAM	For each exposed product and finish specified, full size.	D				
102800	1.4 F	QCS	Product Schedule	D				

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102800	1.4 G	QCS	Sample Warranty	D				
102800	1.5	CCS	Maintenance Data: For accessories to include in maintenance manuals	F				
102800	1.6	CCS	Maintenance Data	F				
104413			FIRE PROTECTION CABINETS					
104413	1.3 E	SD	Full detailed drawings for fire-protection cabinets.	D				
104413	2.3	PD	Fire-Protection Cabinet	D				
104413	1.3 G	SAM	For each type of exposed finish required.	D				
104413	1.3 H	SAM	Verification - For each type of exposed finish required.	D				
104413	1.4 A	CCS	Maintenance Data	F				
104416			FIRE EXTINGUISHERS					
104416	2.2	PD	Portable, Hand-Carried Fire Extinguishers	D				
104416	1.2 E	QCS	Warranty	D				
104416	1.3 A	CCS	Operation and Maintenance Data	F				
115213			PROJECTION SCREENS					
115213	1.3 F	SD	Show layouts and types of front-projection screens	D				
115213	2.3	PD	Electrically Operated, Front-Projection Screens	D				
115213	1.3 G	SAM	Initial Selection: For each type of exposed finish	D				
115213	1.3 H	SAM	Samples for Verification: For each type of exposed finish, in manufacturer's standard sizes	D				
115213	1.3 I	QCS	Project Schedule	D				
115213	1.4	CCS	Maintenance Data	F				
122413			ROLLER WINDOW SHADES					
122413	1.2 E	SD	Fabrication and installation details for roller shades.	D				
122413	2.2	PD	Manually Operated Shades with Single Rollers	D				
122413	2.3	PD	Motor-Operated, Single-Roller Shades	D				
122413	2.4	PD	Shadeband Materials	D				
122413	1.2 F	SAM	Initial Selection: For each type and color of shadeband material.	D				
122413	1.2 G	SAM	Verification - For each type of roller shade.	D				
122413	1.2 H	QCS	Product Schedule	D				
122413	1.2 I 1	QCS	Qualification Data: For Installer.	D				
122413	1.2 I 2	QCS	Product Certificates	D				
122413	1.2 I 3	QCS	Product Test Reports	D				
122413	1.2 J	CCS	Operation and Maintenance Data	F				
122413	1.2 K	QCS	Maintenance Material Submittals	F				
123216			MANUFACTURED PLASTIC-LAMINATE-CLAD CASEWORK					
123216	1.5 E	SD	Full detailed drawings for plastic-laminate-clad casework.	D				
123216	2.2	PD	General Requirements for Casework	D				
123216	2.3	PD	Plastic Laminate-Clad Casework	D				

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123216	2.4	PD	Casework Hardware and Accessories	D				
123216	2.5	PD	Materials	D				
123216	1.5 F	SAM	Initial Selection: For casework and hardware finishes.	D				
123216	1.5 G 1	SAM	Verification - Plastic Laminates	D				
123216	1.5 G 2	SAM	Verification - Thermally Fused Laminate Panels	D				
123216	1.5 G 3	SAM	Verification - Base Cabinet	D				
123216	1.5 G 4	SAM	Verification - Wall Cabinet	D				
123216	1.5 G 5	SAM	Verification - Full-Size Samples	D				
123216	1.5 H 1	QCS	Qualification Data: For casework manufacturer and Installer.	D				
123216	1.5 H 2	QCS	Sample Warranty	D				
123216	1.5 H 3	QCS	Field Quality-Control Reports	F				
123216	1.5 I	CCS	Quality Standard Compliance Certificates	F				
123640			STONE COUNTERTOPS					
123640	1.2 F	SD	Full detailed drawings including plans, sections, details, and attachments to other work.	D				
123640	2.2	PD	Quartz Surfacing, SS-2	D				
123640	2.3	PD	Adhesives, Grout, Sealants and Stone Accessories	D				
123640	2.4	PD	Stone Fabrication, General	D				
123640	2.5	PD	Stone Countertops	D				
123640	1.2 G	SAM	Verification - For each stone type indicated.	D				
123640	1.2 D 1	QCS	Qualification Data: For fabricator.	D				
123640	1.2 D 2	QCS	Material Test Reports	D				
123640	1.2 H	CCS	Maintenance Data	F				
142000			ELEVATORS (NEW INSTALLATIONS)					
142000	1.9 E	PACK	Submit the shop drawings, product data, samples, and quality control submittals at the same time as a package except: Control System Wiring Diagrams and Test Reports	D				
142000	1.9 F 1	SD	Hoistway, sections and layouts showing reaction points with reactions	D				
142000	1.9 F 2	SD	Entrance and car details	D				
142000	1.9 F 3	SD	Details of doors, frames and sills	D				
142000	1.9 F 4	SD	Control system wiring diagrams	D				
142000	1.9 F 5	SD	Car and lobby fixture details	D				
142000	1.9 F 6	SD	Machine and emergency brake drawings per manufacturer's drawings	D				
142000	2.1	PD	Elevator Equipment	D				
142000	2.3	PD	Elevator Car	D				
142000	2.4	PD	Entrance Fixtures	D				
142000	2.5	PD	Entrances	D				
142000	2.6	PD	Mechanical	D				
142000	2.7	PD	Microprocessor Logic Controller	D				
142000	2.8	PD	Painting	D				
142000	2.9	PD	Handicap Access Signs	D				
142000	2.10	PD	Code Data Plate	D				
142000	1.9 H 1	SAM	Color Selections	D				

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142000	1.9 I 1	QCS	Installer's Qualifications Data	D				
142000	1.9 I 2	QCS	Test Reports - Acceptance Test Report	D				
142000	1.9 I 3	QCS	Certificate by the Company Field Advisor notarized certifying that the equipment meets contract requirements	D				
142000	1.9 J 1	CCS	Operation and Maintenance Data - 2 copies	F				
142000	1.9 J 2	CCS	Deliver all Portable diagnostic keyboards and/or programming tools	F				
142000	1.13 A	CCS	Special Manufacturer's Warranty	F				
142000	1.14	CCS	Initial Maintenance Service	F				
310000			EARTHWORK					
310000	1.6 D	PD	Existing Conditions	D				
310000	1.6 E	PD	Qualification Data: For qualified testing agency	D				
310001			EARTHWORK MATERIALS					
310001	2.1 A	PD	Select Granular Material	D				
310001	2.1 B	PD	Subbase Course Type 2	D				
310001	2.1 C	PD	Selected Fill	D				
310001	2.1 D	PD	Cushion Material	D				
310001	2.1 E	PD	Topsoil	D				
310001	2.2 A	PD	Geotextile - Separation for foundation drains, underdrains, undercuts	D				
310001	2.3 A	PD	Warning Tape	D				
310001	2.3 B	PD	Detectable Warning Tape	D				
310001	1.4 G 1	SAM	Select Granular Material	F				
310001	1.4 G 2	SAM	Subbase Course Type 2	F				
310001	1.4 G 3	SAM	Selected Fill	F				
310001	1.4 G 4	SAM	Cushion Material	F				
310001	1.4 G 5	SAM	River Stone	F				
310001	1.4 G 6	SAM	Topsoil	F				
310001	1.4 E	QCS	Qualification Data: For ASTM certified soils testing agency.	D				
310001	1.4 F	QCS	Material Test Reports: For each [on-site] [and] [borrow] soil material proposed for fill and backfill.	D				
310001	1.4 H 1	QCS	Source Quality-Control Submittals - Subbase Materials: Provide name and location of source and the NYSDOT Source Number. If the material is not being taken from an approved NYSDOT source, the soil laboratory test results for gradation and soundness tests performed by an ASTM certified soils laboratory will be required.	D				
310001	1.4 H 2	QCS	Source Quality-Control Submittals - Other Aggregates: Provide name and location of source and soil laboratory test results for gradation and soundness tests performed by an ASTM certified soils laboratory.	D				
310001	1.4 H 3	QCS	Source Quality-Control Submittals - Topsoil: Topsoil used on this project shall be tested by a certified soils laboratory for organic matter, Ph value, and gradation, and must be approved before placement.	D				

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310001	1.4 I	QCS	Supplier's Certificate	D				
312500			EROSION AND SEDIMENTATION CONTROLS					
312500	2.1	PD	Pipe Materials	D				
321216			ASPHALT PAVING					
321216	2.1	PD	Aggregates	D				
321216	2.2	PD	Asphalt Materials	D				
321216	1.6 F 1	PD	Asphalt Designs: Certification, by authorities having jurisdiction, of approval of each asphalt design proposed for the Work.	D				
321216	1.6 F 2	PD	Asphalt Designs: Batch plant name, NYSDOT Plant Number, and location of asphalt plant for each asphalt design proposed for the Work.	D				
321216	1.6 F 3	PD	Asphalt Mix Design Test results that are less than 6 months old for each mix proposed for the Work.	D				
321216	1.6 E	EPD	Environmental Product Declaration	D				
321216	1.6 H	QCS	Qualification Data	D				
321216	1.6 I	QCS	Material Delivery Tickets for Pavement Materials	F				
321216	1.6 J	QCS	Field Quality-Control Reports	D				
321313			CONCRETE PAVING					
321313	1.4 F	PD	Design Mixtures: For each concrete paving mixture. Include alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.	D				
321313	2.2	PD	Forms	D				
321313	2.3	PD	Steel Reinforcement	D				
321313	2.4	PD	Concrete Materials	D				
321313	2.5	PD	Curing Materials	D				
321313	2.6	PD	Related Materials	D				
321313	2.7	PD	Concrete Mixtures	D				
321313	2.8	PD	Concrete Mixing	D				
321313	1.4 E	EPD	Environmental Product Declaration	D				
321313	1.4 G	QCS	Material Certificates	D				
321313	1.4 H	QCS	Data: Name and Location of batch plant for concrete paving	D				
321313	1.4 I	QCS	Ready-Mix-Concrete Manufacturer Qualifications	D				
321373			CONCRETE PAVING JOINT SEALANTS					
321373	2.2	PD	Cold-Applied Joint Sealants	D				
321373	2.3	PD	Joint-Sealant Backer Materials	D				
321373	2.4	PD	Primers	D				
321373	2.5	PD	Color of Materials	D				
321373	1.3 E	QCS	Product Certificates: For each type of joint sealant and accessory.	D				
321613			CONCRETE CURBS AND GUTTERS					
321613	2.2	PD	Forms	D				

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321613	2.3	PD	Concrete Materials	D				
321613.23	2.4	PD	Fiber Reinforcement	D				
321613	2.5	PD	Curing Materials	D				
321613	2.6	PD	Related Materials	D				
321613	2.7	PD	Concrete Mixtures	D				
321613	1.5 F	PD	Design Mixtures: For each concrete paving mixture. Include alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.	D				
321613	1.5 E	EPD	Environmental Product Declaration	D				
321613	1.5 G	QCS	Qualification Data	D				
321613	1.5 H	QCS	Material Certificates from Manufacturer	D				
321613	1.5 I	QCS	Data: Name and location of batch plant for concrete paving	D				
321613	1.5 J	QCS	Ready-Mix-Concrete Manufacturer Qualifications	D				
321723			PAVEMENT MARKINGS					
321723	2.1	PD	Pavement Markings	D				
321723	1.3 E	SAM	For each exposed product and for each color and texture specified; on rigid backing, 8 inches square.	F				
321723	1.3 F	QCS	Certification: Affidavit by the paint applicator, certifying that the materials comply with the current regulatory requirements in effect at the time products were delivered and applied.	D				
323113			CHAIN LINK FENCES AND GATES					
323113	1.4 E	SD	Complete detailed drawings for each height and style of fence and gate required. Include separate schedule for each listing all materials required and technical data such as size, weight, and finish, to ensure conformance to specifications.	D				
323113	2.1	PD	Class B Steel Tubing	D				
323113	2.2	PD	STEEL FRAMEWORK (FOR FENCES UP TO 6'-0" HIGH) - End Posts, Corner Posts and Pull Posts	D				
323113	2.3	PD	Steel Fabric	D				
323113	2.4	PD	Swing Gate Posts	D				
323113	2.5	PD	Swing Gate Frames	D				
323113	2.6	PD	Swing Gate Hardware	D				
323113	2.7 A	PD	Rails and Post Braces	D				
323113	2.7 B	PD	Fittings and Post Tops	D				
323113	2.7 C	PD	Stretcher Bars	D				
323113	2.7 D	PD	Metal Bands (for securing stretcher bars)	D				
323113	2.7 E	PD	Wire Ties	D				
323113	2.7 F	PD	Truss Rods	D				
323113	2.7 G	PD	Concrete	D				
323113	2.7 H	PD	Cold Galvanizing Compound	D				
323113	2.7 I	PD	Tension Wire	D				
323113	2.7 J	PD	Angle Beams, I Beams, and Steel Shapes	D				
323113	2.7 K	PD	Bolts and Nuts	D				

SCHEDULE OF SUBMITTALS	
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PROJECT NO.: 47477-C

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SCHEDULE OF SUBMITTALS	
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PROJECT NO.: 47477-C

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SECTION 262816 - ENCLOSED SWITCHES AND CIRCUIT BREAKERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes:
 - 1. Fusible switches.
 - 2. Nonfusible switches.
 - 3. Receptacle switches.
 - 4. Shunt trip switches.
 - 5. Molded-case circuit breakers (MCCBs).
 - 6. Molded-case switches.
 - 7. Enclosures.
 - 8. Shore Outlet Receptacle switches.

1.3 DEFINITIONS

- A. NC: Normally closed.
- B. NO: Normally open.
- C. SPDT: Single pole, double throw.

1.4 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 enclosed switch, circuit breaker, accessory, and component indicated. Include nameplate ratings, dimensioned elevations, sections, weights, and manufacturers' technical data on features, performance, electrical characteristics, ratings, accessories, and finishes.

1. Enclosure types and details for types other than NEMA 250, Type 1.
 2. Current and voltage ratings.
 3. Short-circuit current ratings (interrupting and withstand, as appropriate).
 4. Detail features, characteristics, ratings, and factory settings of individual overcurrent protective devices, accessories, and auxiliary components.
 5. Include time-current coordination curves (average melt) for each type and rating of overcurrent protective device; include selectable ranges for each type of overcurrent protective device. Provide in PDF electronic format.
- E. Shop Drawings: For enclosed switches and circuit breakers.
1. Include plans, elevations, sections, details, and attachments to other work.
 2. Include wiring diagrams for power, signal, and control wiring.
- F. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
- G. Qualification Data: For qualified testing agency.
- H. Seismic Qualification Data: Certificates, for enclosed switches and circuit breakers, accessories, and components, from manufacturer.
1. Basis for Certification: Indicate whether withstand certification is based on actual test of assembled components or on calculation.
 2. Dimensioned Outline Drawings of Equipment Unit: Identify center of gravity and locate and describe mounting and anchorage provisions.
 3. Detailed description of equipment anchorage devices on which the certification is based and their installation requirements.
- I. Field quality-control reports.
- 1.5 CLOSEOUT SUBMITTALS
- A. Operation and Maintenance Data: For enclosed switches and circuit breakers to include in emergency, operation, and maintenance manuals.
1. Manufacturer's written instructions for testing and adjusting enclosed switches and circuit breakers.
 2. Time-current coordination curves (average melt) for each type and rating of overcurrent protective device; include selectable ranges for each type of overcurrent protective device. Provide in PDF electronic format.
- 1.6 MAINTENANCE MATERIAL SUBMITTALS
- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
1. Fuses: Equal to 10percent of quantity installed for each size and type, but no fewer than three of each size and type.

2. Fuse Pullers: Two for each size and type.

1.7 QUALITY ASSURANCE

- A. Testing Agency Qualifications: Accredited by NETA.
 1. Testing Agency's Field Supervisor: Currently certified by NETA to supervise on-site testing.

1.8 FIELD CONDITIONS

- A. Environmental Limitations: Rate equipment for continuous operation under the following conditions unless otherwise indicated:
 1. Ambient Temperature: Not less than minus 22 deg F and not exceeding 104 deg F.
 2. Altitude: Not exceeding 6600 feet.

1.9 WARRANTY

- A. Manufacturer's Warranty: Manufacturer and Installer agree to repair or replace components that fail in materials or workmanship within specified warranty period.
 1. Warranty Period: One year from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 GENERAL REQUIREMENTS

- A. Source Limitations: Obtain enclosed switches and circuit breakers, overcurrent protective devices, components, and accessories, within same product category, from single manufacturer.
- B. Product Selection for Restricted Space: Drawings indicate maximum dimensions for enclosed switches and circuit breakers, including clearances between enclosures, and adjacent surfaces and other items. Comply with indicated maximum dimensions.
- C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by an NRTL, and marked for intended location and application.
- D. Comply with NFPA 70.

2.2 FUSIBLE SWITCHES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Eaton.
2. Schneider Electric USA (Square D).
3. Siemens Industry, Inc., Energy Management Division.
4. Or equal.

B. Type HD, Heavy Duty:

1. Single throw.
2. Three pole.
3. 240-V ac.
4. 200 A and smaller.
5. UL 98 and NEMA KS 1, horsepower rated, with clips or bolt pads to accommodate specified fuses.
6. Lockable handle with capability to accept three padlocks, and interlocked with cover in closed position.

C. Accessories:

1. Equipment Ground Kit: Internally mounted and labeled for copper and aluminum ground conductors.
2. Neutral Kit: Internally mounted; insulated, capable of being grounded and bonded; labeled for copper and aluminum neutral conductors.
3. Class R Fuse Kit: Provides rejection of other fuse types when Class R fuses are specified.
4. Auxiliary Contact Kit: One NO/NC (Form "C") auxiliary contact(s), arranged to activate before switch blades open. Contact rating - [120-V ac].
5. Hookstick Handle: Allows use of a hookstick to operate the handle.
6. Lugs: Mechanical type, suitable for number, size, and conductor material.
7. Service-Rated Switches: Labeled for use as service equipment.

2.3 NONFUSIBLE SWITCHES

A. Manufacturers: Subject to compliance with requirements, [provide products by one of the following:

1. Eaton.
2. Schneider Electric USA (Square D).
3. Siemens Industry, Inc., Energy Management Division.
4. Or equal.

B. Type HD, Heavy Duty, Three Pole, Single Throw, 240V ac, 1200 A and Smaller: UL 98 and NEMA KS 1, horsepower rated, lockable handle with capability to accept three padlocks, and interlocked with cover in closed position.

C. Type HD, Heavy Duty, Three Pole, Double Throw, 240V ac, 1200 A and Smaller: UL 98 and NEMA KS 1, horsepower rated, lockable handle with capability to accept three padlocks, and interlocked with cover in closed position.

D. Accessories:

1. Equipment Ground Kit: Internally mounted and labeled for copper and aluminum ground conductors.
2. Neutral Kit: Internally mounted; insulated, capable of being grounded and bonded; labeled for copper and aluminum neutral conductors.
3. Lugs: Mechanical type, suitable for number, size, and conductor material.
4. Service-Rated Switches: Labeled for use as service equipment.

2.4 RECEPTACLE SWITCHES

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Eaton.
2. Schneider Electric USA (Square D).
3. Siemens Industry, Inc., Energy Management Division.
4. Or equal.

B. Type HD, Heavy-Duty, Three Pole, Single-Throw Nonfusible Switch: 240 V ac, 30 A; UL 98 and NEMA KS 1; horsepower rated, lockable handle with capability to accept three padlocks; interlocked with cover in closed position.

C. Interlocking Linkage: Provided between the receptacle and switch mechanism to prevent inserting or removing plug while switch is in the on position, inserting any plug other than specified, and turning switch on if an incorrect plug is inserted or correct plug has not been fully inserted into the receptacle.

D. Receptacle: Polarized, three-phase, four-wire receptacle (fourth wire connected to enclosure ground lug).

E. Accessories:

1. Lugs: Mechanical type, suitable for number, size, and conductor material.
2. Service-Rated Switches: Labeled for use as service equipment.

2.5 SHUNT TRIP SWITCHES

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Bussmann; Eaton, Electrical Sector.
2. Littelfuse, Inc.
3. Mersen USA.
4. Or equal.

B. General Requirements: Comply with ASME A17.1, UL 50, and UL 98, with Class J fuse block and 200-kA interrupting and short-circuit current rating.

- C. Type HD, Heavy-Duty, Three Pole, Single-Throw Fusible Switch: 240 V ac, 100 A; UL 98 and NEMA KS 1; integral shunt trip mechanism; horsepower rated, with clips or bolt pads to accommodate specified fuses; lockable handle with capability to accept three padlocks; interlocked with cover in closed position.
- D. Control Circuit: 120-V ac; obtained from integral control power transformer, with primary and secondary fuses, with a control power transformer source of enough capacity to operate shunt trip, pilot, indicating and control devices.
- E. Accessories:
 - 1. Oiltight key switch for key-to-test function.
 - 2. Oiltight greenON pilot light.
 - 3. Isolated neutral lug; 100 percent rating.
 - 4. Mechanically interlocked auxiliary contacts that change state when switch is opened and closed.
 - 5. Form C alarm contacts that change state when switch is tripped.
 - 6. Three-pole, double-throw, fire-safety and alarm relay; 120-V accoil voltage.
 - 7. Three-pole, double-throw, fire-alarm voltage monitoring relay complying with NFPA 72.
 - 8. Neutral Kit: Internally mounted; insulated, capable of being grounded and bonded; labeled for copper and aluminum neutral conductors.
 - 9. Isolated Ground Kit: Internally mounted; insulated, labeled for copper and aluminum neutral conductors.
 - 10. Class R Fuse Kit: Provides rejection of other fuse types when Class R fuses are specified.
 - 11. Auxiliary Contact Kit: One NO/NC (Form "C") auxiliary contact(s), arranged to activate before switch blades open. Contact rating - 120-V ac.
 - 12. Hookstick Handle: Allows use of a hookstick to operate the handle.
 - 13. Lugs: Mechanical type, suitable for number, size, and conductor material.
 - 14. Service-Rated Switches: Labeled for use as service equipment.

2.6 MOLDED-CASE CIRCUIT BREAKERS

- A. Manufacturers: Subject to compliance with requirements, [provide products by the following] [provide products by one of the following] [available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following]:
 - 1. Eaton.
 - 2. Schneider Electric USA (Square D).
 - 3. Siemens Industry, Inc., Energy Management Division.
 - 4. Or equal.
- B. Circuit breakers shall be constructed using glass-reinforced insulating material. Current carrying components shall be completely isolated from the handle and the accessory mounting area.
- C. Circuit breakers shall have a toggle operating mechanism with common tripping of all poles, which provides quick-make, quick-break contact action. The circuit-breaker handle shall be over center, be trip free, and reside in a tripped position between on and off to provide local trip indication. Circuit-breaker escutcheon shall be clearly marked on and off in addition to providing international I/O markings. Equip circuit breaker with a push-to-trip button, located on the face

of the circuit breaker to mechanically operate the circuit-breaker tripping mechanism for maintenance and testing purposes.

- D. The maximum ampere rating and UL, IEC, or other certification standards with applicable voltage systems and corresponding interrupting ratings shall be clearly marked on face of circuit breaker. Circuit breakers shall be 100 percent rated.
- E. MCCBs shall be equipped with a device for locking in the isolated position.
- F. Lugs shall be suitable for 167 deg F rated wire.
- G. Standard: Comply with UL 489 with interrupting capacity to comply with available fault currents.
- H. Thermal-Magnetic Circuit Breakers: Inverse time-current thermal element for low-level overloads and instantaneous magnetic trip element for short circuits. Adjustable magnetic trip setting for circuit-breaker frame sizes 250 A and larger.
- I. Adjustable, Instantaneous-Trip Circuit Breakers: Magnetic trip element with front-mounted, field-adjustable trip setting.
- J. Electronic Trip Circuit Breakers: Field-replaceable rating plug, rms sensing, with the following field-adjustable settings:
 - 1. Instantaneous trip.
 - 2. Long- and short-time pickup levels.
 - 3. Long- and short-time time adjustments.
 - 4. Ground-fault pickup level, time delay, and I-squared t response.
- K. Current-Limiting Circuit Breakers: Frame sizes 400 A and smaller, and let-through ratings less than NEMA FU 1, RK-5.
- L. Integrally Fused Circuit Breakers: Thermal-magnetic trip element with integral limiter-style fuse listed for use with circuit breaker and trip activation on fuse opening or on opening of fuse compartment door.
- M. Ground-Fault Circuit-Interrupter (GFCI) Circuit Breakers: Single- and two-pole configurations with Class A ground-fault protection (6-mA trip).
- N. Ground-Fault Equipment-Protection (GFEP) Circuit Breakers: With Class B ground-fault protection (30-mA trip).
- O. Features and Accessories:
 - 1. Standard frame sizes, trip ratings, and number of poles.
 - 2. Lugs: Mechanical type, suitable for number, size, trip ratings, and conductor material.
 - 3. Application Listing: Appropriate for application; Type SWD for switching fluorescent lighting loads; Type HID for feeding fluorescent and high-intensity discharge lighting circuits.
 - 4. Ground-Fault Protection: Comply with UL 1053; integrally mounted, self-powered type with mechanical ground-fault indicator; relay with adjustable pickup and time-delay

settings, push-to-test feature, internal memory, and shunt trip unit; and three-phase, zero-sequence current transformer/sensor.

5. Shunt Trip: Trip coil energized from separate circuit, with coil-clearing contact.
6. Undervoltage Trip: Set to operate at 35 to 75 percent of rated voltage without intentional time delay.
7. Electrical Operator: Provide remote control for on, off, and reset operations.

2.7 ENCLOSURES

- A. Enclosed Switches and Circuit Breakers: UL 489, NEMA KS 1, NEMA 250, and UL 50, to comply with environmental conditions at installed location.
- B. Enclosure Finish: The enclosure shall be finished with gray baked enamel paint, electrodeposited on cleaned, phosphatized steel (NEMA 250 Type 1) .
- C. Conduit Entry: NEMA 250 Types 4, 4X, and 12 enclosures shall contain no knockouts. NEMA 250 Types 7 and 9 enclosures shall be provided with threaded conduit openings in both endwalls.
- D. Operating Mechanism: The circuit-breaker operating handle shall be directly operable through the front cover of the enclosure (NEMA 250 Type 1). The cover interlock mechanism shall have an externally operated override. The override shall not permanently disable the interlock mechanism, which shall return to the locked position once the override is released. The tool used to override the cover interlock mechanism shall not be required to enter the enclosure in order to override the interlock.
- E. Enclosures designated as NEMA 250 Type 4, 4X stainless steel, 12, or 12K shall have a dual cover interlock mechanism to prevent unintentional opening of the enclosure cover when the circuit breaker is ON and to prevent turning the circuit breaker ON when the enclosure cover is open.
- F. NEMA 250 Type 7/9 enclosures shall be furnished with a breather and drain kit to allow their use in outdoor and wet location applications.

2.8 RECEPTACLE SWITCHES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 1. Hubbel.
 2. Leviton.
 3. Eaton.
 4. Or equal.
- B. Type HD, Heavy-Duty, Three Pole, Single-Throw Nonfusible Switch: 120 V ac, 20 A; UL 498 and IP69K rating; Certified to CSA C22.2 No. 42 Meets NEMA WD-1, WD-6 and ANSI standards UL Listed, CSA Certified to Type 4, 4X, 12, 6, 6P.

- C. Specifications: Body-PBT, Contact Carrier-White Nylon, Terminal Retainer-Clear polycarbonate, Contacts-Nickel plated brass, Core-White Nylon, Terminal Screws-Nickel plated brass, Hardware-Stainless Steel.
- D. Receptacle: Polarized, three-phase, four-wire receptacle (fourth wire connected to enclosure ground lug).
- E. Accessories:
 - 1. Water light Plug.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine elements and surfaces to receive enclosed switches and circuit breakers for compliance with installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
 - 1. Commencement of work shall indicate Installer's acceptance of the areas and conditions as satisfactory.

3.2 ENCLOSURE ENVIRONMENTAL RATING APPLICATIONS

- A. Enclosed Switches and Circuit Breakers: Provide enclosures at installed locations with the following environmental ratings:
 - 1. Indoor, Dry and Clean Locations: NEMA 250, Type 1.
 - 2. Outdoor Locations: NEMA 250, Type 3R.
 - 3. Kitchen Wash-Down Areas: NEMA 250, Type 4X, stainless steel.
 - 4. Other Wet or Damp, Indoor Locations: NEMA 250, Type 4.
 - 5. Indoor Locations Subject to Dust, Falling Dirt, and Dripping Noncorrosive Liquids: NEMA 250, Type 12.

3.3 INSTALLATION

- A. Coordinate layout and installation of switches, circuit breakers, and components with equipment served and adjacent surfaces. Maintain required workspace clearances and required clearances for equipment access doors and panels.
- B. Install individual wall-mounted switches and circuit breakers with tops at uniform height unless otherwise indicated.
- C. Install fuses in fusible devices.
- D. Comply with NFPA 70 and NECA 1.

3.4 IDENTIFICATION

- A. Identify field-installed conductors, interconnecting wiring, and components; provide warning signs.
- B. Label each enclosure with engraved metal or laminated-plastic nameplate.

3.5 FIELD QUALITY CONTROL

- A. Testing Agency: Director's Representative will engage a qualified testing agency to perform tests and inspections.
- B. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- C. Manufacturer's Field Service: Engage a Company Service Advisor to test and inspect components, assemblies, and equipment installations, including connections.
- D. Perform tests and inspections with the assistance of a Company Service Advisor.
- E. Tests and Inspections for Switches:
 - 1. Visual and Mechanical Inspection:
 - a. Inspect physical and mechanical condition.
 - b. Inspect anchorage, alignment, grounding, and clearances.
 - c. Verify that the unit is clean.
 - d. Verify blade alignment, blade penetration, travel stops, and mechanical operation.
 - e. Verify that fuse sizes and types match the Specifications and Drawings.
 - f. Verify that each fuse has adequate mechanical support and contact integrity.
 - g. Inspect bolted electrical connections for high resistance using one of the two following methods:
 - 1) Use a low-resistance ohmmeter.
 - a) Compare bolted connection resistance values to values of similar connections. Investigate values that deviate from those of similar bolted connections by more than 50 percent of the lowest value.
 - 2) Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method in accordance with manufacturer's published data or NETA ATS Table 100.12.
 - a) Bolt-torque levels shall be in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA ATS Table 100.12.
 - h. Verify that operation and sequencing of interlocking systems is as described in the Specifications and shown on the Drawings.
 - i. Verify correct phase barrier installation.
 - j. Verify lubrication of moving current-carrying parts and moving and sliding surfaces.

2. Electrical Tests:

- a. Perform resistance measurements through bolted connections with a low-resistance ohmmeter. Compare bolted connection resistance values to values of similar connections. Investigate values that deviate from adjacent poles or similar switches by more than 50 percent of the lowest value.
- b. Measure contact resistance across each switchblade fuseholder. Drop values shall not exceed the high level of the manufacturer's published data. If manufacturer's published data are not available, investigate values that deviate from adjacent poles or similar switches by more than 50 percent of the lowest value.
- c. Perform insulation-resistance tests for one minute on each pole, phase-to-phase and phase-to-ground with switch closed, and across each open pole. Apply voltage in accordance with manufacturer's published data. In the absence of manufacturer's published data, use Table 100.1 from the NETA ATS. Investigate values of insulation resistance less than those published in Table 100.1 or as recommended in manufacturer's published data.
- d. Measure fuse resistance. Investigate fuse-resistance values that deviate from each other by more than 15 percent.
- e. Perform ground fault test according to NETA ATS 7.14 "Ground Fault Protection Systems, Low-Voltage."

F. Tests and Inspections for Molded Case Circuit Breakers:

1. Visual and Mechanical Inspection:

- a. Verify that equipment nameplate data are as described in the Specifications and shown on the Drawings.
- b. Inspect physical and mechanical condition.
- c. Inspect anchorage, alignment, grounding, and clearances.
- d. Verify that the unit is clean.
- e. Operate the circuit breaker to ensure smooth operation.
- f. Inspect bolted electrical connections for high resistance using one of the two following methods:
 - 1) Use a low-resistance ohmmeter.
 - a) Compare bolted connection resistance values to values of similar connections. Investigate values that deviate from those of similar bolted connections by more than 50 percent of the lowest value.
 - 2) Verify tightness of accessible bolted electrical connections by calibrated torque-wrench method in accordance with manufacturer's published data or NETA ATS Table 100.12.
 - a) Bolt-torque levels shall be in accordance with manufacturer's published data. In the absence of manufacturer's published data, use NETA ATS Table 100.12.
- g. Inspect operating mechanism, contacts, and chutes in unsealed units.

- h. Perform adjustments for final protective device settings in accordance with the coordination study.
2. Electrical Tests:
- a. Perform resistance measurements through bolted connections with a low-resistance ohmmeter. Compare bolted connection resistance values to values of similar connections. Investigate values that deviate from adjacent poles or similar switches by more than 50 percent of the lowest value.
 - b. Perform insulation-resistance tests for one minute on each pole, phase-to-phase and phase-to-ground with circuit breaker closed, and across each open pole. Apply voltage in accordance with manufacturer's published data. In the absence of manufacturer's published data, use Table 100.1 from the NETA ATS. Investigate values of insulation resistance less than those published in Table 100.1 or as recommended in manufacturer's published data.
 - c. Perform a contact/pole resistance test. Drop values shall not exceed the high level of the manufacturer's published data. If manufacturer's published data are not available, investigate values that deviate from adjacent poles or similar switches by more than 50 percent of the lowest value.
 - d. Perform insulation resistance tests on all control wiring with respect to ground. Applied potential shall be 500-V dc for 300-V rated cable and 1000-V dc for 600-V rated cable. Test duration shall be one minute. For units with solid state components, follow manufacturer's recommendation. Insulation resistance values shall be no less than two megohms.
 - e. Determine the following by primary current injection:
 - 1) Long-time pickup and delay. Pickup values shall be as specified. Trip characteristics shall not exceed manufacturer's published time-current characteristic tolerance band, including adjustment factors.
 - 2) Short-time pickup and delay. Short-time pickup values shall be as specified. Trip characteristics shall not exceed manufacturer's published time-current characteristic tolerance band, including adjustment factors.
 - 3) Ground-fault pickup and time delay. Ground-fault pickup values shall be as specified. Trip characteristics shall not exceed manufacturer's published time-current characteristic tolerance band, including adjustment factors.
 - 4) Instantaneous pickup. Instantaneous pickup values shall be as specified and within manufacturer's published tolerances.
 - f. Test functionality of the trip unit by means of primary current injection. Pickup values and trip characteristics shall be as specified and within manufacturer's published tolerances.
 - g. Perform minimum pickup voltage tests on shunt trip and close coils in accordance with manufacturer's published data. Minimum pickup voltage of the shunt trip and close coils shall be as indicated by manufacturer.
 - h. Verify correct operation of auxiliary features such as trip and pickup indicators; zone interlocking; electrical close and trip operation; trip-free, anti-pump function; and trip unit battery condition. Reset all trip logs and indicators. Investigate units that do not function as designed.
 - i. Verify operation of charging mechanism. Investigate units that do not function as designed.

3. Correct malfunctioning units on-site, where possible, and retest to demonstrate compliance; otherwise, replace with new units and retest.
 4. Perform the following infrared scan tests and inspections and prepare reports:
 - a. Initial Infrared Scanning: After Substantial Completion, but not more than 60 days after Final Acceptance, perform an infrared scan of each enclosed switch and circuit breaker. Remove front panels so joints and connections are accessible to portable scanner.
 - b. Follow-up Infrared Scanning: Perform an additional follow-up infrared scan of each enclosed switch and circuit breaker 11 months after date of Substantial Completion.
 - c. Instruments and Equipment: Use an infrared scanning device designed to measure temperature or to detect significant deviations from normal values. Provide calibration record for device.
 5. Test and adjust controls, remote monitoring, and safeties. Replace damaged and malfunctioning controls and equipment.
- G. Enclosed switches and circuit breakers will be considered defective if they do not pass tests and inspections.
- H. Prepare test and inspection reports.
1. Test procedures used.
 2. Include identification of each enclosed switch and circuit breaker tested and describe test results.
 3. List deficiencies detected, remedial action taken, and observations after remedial action.

3.6 ADJUSTING

- A. Adjust moving parts and operable components to function smoothly and lubricate as recommended by manufacturer.
- B. Set field-adjustable circuit-breaker trip ranges to values indicated on the Drawings.

END OF SECTION 262816

- A. THE MORE STRINGENT ARCHITECTURAL DETAILS SHOWN IN THESE DOCUMENTS SHALL GOVERN OVER MANUFACTURER'S DETAILS, UNLESS SUBMITTED AND REVIEWED FOR APPROVAL.
- B. DIMENSIONS GIVEN ARE FOR REFERENCE ONLY. FIELD VERIFYING THE EXISTING BUILDING EXTENT AND MEASUREMENTS IS SOLELY THE CONTRACTOR'S RESPONSIBILITY.
- C. ALL ROOF PENETRATIONS ARE TO BE FLASHED, WHETHER SHOWN OR NOT; ITEMS ARE SHOWN IN THEIR GENERAL LOCATIONS.
- D. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND CONFIRM THAT CONDITIONS WILL INTERFERE WITH DETAILS. ALL DEVIATIONS WILL BE BROUGHT TO THE ATTENTION OF THE DIRECTOR'S REPRESENTATIVE IMMEDIATELY.
- E. WATER DAMAGE NOTE:
THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE BUILDING DRY DURING ALL ROOFING OPERATIONS, ANY WATER OR DEBRIS ENTERING THE BUILDING CAUSED BY ROOFING WORK SHALL BE CLEANED UP BY THE CONTRACTOR. ANY DAMAGE TO THE BUILDING OR ITS CONTENTS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE DIRECTOR'S REPRESENTATIVE. IF WORK AFFECTS THE INTERIOR OF THE BUILDING, EXTRAORDINARY PRECAUTIONS SHALL BE TAKEN TO PROTECT THE BUILDING AND ITS CONTENTS.
- F. PROVIDE TRAFFIC / WALKWAY PADS AT ALL ROOF ACCESS POINTS WHERE INDICATED ON THE DRAWINGS.

- G. MECHANICAL
1. COORDINATE ALL MECHANICAL WORK ASSOCIATED WITH ROOF EXHAUST FANS AND INTERIOR SPACES WITH THE H-CONTRACTOR AND DIRECTOR'S REPRESENTATIVE.
 2. COORDINATE ALL ELECTRIC, GAS OR MECHANICAL UNIT etc. SHUTDOWNS WITH H-CONTRACTS AND DIRECTOR'S REPRESENTATIVE.
- H. ELECTRICAL
1. COORDINATE ALL ELECTRICAL WORK ASSOCIATED WITH ROOF EQUIPMENT, LIGHTING AND POWER WITH THE E-CONTRACTOR.
- I. INSULATION
1. INSTALL TAPERED INSULATION AND LIGHTWEIGHT INSULATING CONCRETE (LOW DENSITY CONCRETE) CRICKETS, THEN INSTALL PRIMARY (FLAT STOCK) LAYERS, STAGGER JOINTS BETWEEN INSULATION LAYERS.
 2. PROVIDE CRICKETS AT HIGH SIDE OF ALL ROOFTOP EQUIPMENT LARGER THAN 2'-0" WIDE OR AT ANY DOWNHILL WALL PROJECTION WHICH MAY POCKET WATER.
 3. PROVIDE PROTECTION TO THE INTERIOR SPACES DURING THE INSTALLATION TO PREVENT DAMAGE OR SPILLAGE OF LOW DENSITY CONCRETE (LIGHTWEIGHT INSULATING CONCRETE) 
- J. ROOF DRAINS
1. ROOF DRAINS AND INTERIOR STORM PIPING ARE TO BE PROVIDED AS PART OF THE F-CONTRACTOR'S WORK.
 2. DRAIN INSERTS ARE NOT TO BE PERMITTED.

3. INSULATED INTERIOR PORTIONS OF ROOF DRAIN LEADERS WHERE INDICATED ON THE PLUMBING DRAWINGS.
 4. TEST ROOF DRAINS FOR LEAKS AND FLOW ON COMPLETION OF CONSTRUCTION LEAK TEST: PLUG EACH ROOF DRAIN BELOW CONNECTION TO THE ROOF DRAIN LEADER. OBSERVE THE FLOW OF EACH LINE. PROVIDE A WRITTEN REPORT OF THE RESULTS TO THE DIRECTOR'S REPRESENTATIVE.
- WOOD
1. ALL WOOD OR PLYWOOD INSTALLED IN DIRECT CONTACT WITH MASONRY OR CONCRETE, IS TO BE OF PRESSURE TREATED MATERIALS. ALL OTHER LUMBER TO BE UN-TREATED LUMBER.
 2. ALL BLOCKING TO BE SOLID - NO VOIDS OR 'SKIP-FRAMING' ARE PERMITTED.
 3. IF WOOD DIMENSIONS ARE NOT GIVEN, STACKED WOOD HEIGHT (3 BOARDS OR LESS) SHALL BE 2X6 MINIMUM.
 4. ALL WOOD TO BE ANCHORED AS SPECIFIED, OR SHOWN, GENERALLY: FASTENER SPACING, NAILS OR SCREWS, NOT MORE THAN 12" O.C. AND ANCHOR BOLTS 1/2" O.D. MIN. NOT MORE THAN 36" O.C. AND FROM ENDS OF BOARDS - 9" MAXIMUM. SEE "TYPICAL BLOCKING FASTENING DETAIL" FOR ADDITIONAL INFORMATION.
 5. BLOCKING CONSIDERED FOR REUSE SHALL BE CHECKED FOR ADEQUATE ANCHORAGE VIA FULL TEST. PROVIDE ADDITIONAL FASTENERS, IF REQUIRED TO ASSURE SOLID ANCHORING. INSTALL ADDITIONAL BLOCKING OVER THE EXISTING AS REQUIRED TO BRING WIND UP TO THE SAME PLANE WITH INSULATION HEIGHT. REFERENCE TO NOTE 5 IN DESIGN WIND UPLIFT NOTES FOR PERFORMANCE REQUIREMENTS.

- FASTENERS**
1. ALL FASTENERS TO BE NON-RUSTING TYPE (COPPER, HOT DIPPED, STAINLESS STEEL, CADMIUM PLATED) UNLESS NOTED OTHERWISE.
 2. ALL NAILS SHALL BE SPIRAL OR RING-SHANKED.
 3. ALL FASTENERS (NAILS, SCREWS, BOLTS, ETC.) FASTENING OR PENETRATING PRESSURE-TREATED WOOD ARE TO BE OF AUSTENITIC STAINLESS STEEL, TYPE A304 OR A316.
 4. FASTENERS IN METAL FLASHINGS - ALL TO BE COMPATIBLE WITH METAL USED. FASTENING ALL OF STAINLESS STEEL UNLESS NOTED OTHERWISE. FASTENER SPACING, SCREWS, NOT MORE THAN 9" O.C., NAILS USED FOR GLEATING - 3" O.C. UNLESS NOTED OTHERWISE FROM ENDS OF UNITS - 3" MAXIMUM.
 5. POP-RIEVETS IN METAL FLASHINGS/COPINGS ARE NOT PERMITTED.
- M. ROOFING MISCELLANEOUS**
1. ANY METAL COPING OR FASCIA OVERLAPS, FOLDS, OR SEAMS ARE TO BE SOLIDLY BEDDED WITH SEALANT BETWEEN PIECES OF METAL.
 2. ALL FLASHINGS, COPINGS OR RIDGE EDGES ETC. SHALL HAVE PREFABRICATED COPINGS OR CALLED CORNERS SHALL BE ALLOWED.
 3. THE INTENT IS FOR METAL FLASHING HEIGHTS TO MEENY.
 4. C-CONTRACTOR IS RESPONSIBLE FOR REPAIRS TO THE ROOF ASSEMBLY FOR DAMAGES OCCURING DURING WORK. REFER TO SPECIFICATIONS.

EXISTING ROOF ASSEMBLY:

MFR: FIRESTONE (NOW ELEVATE)
DATE INSTALLED: 2013
WARRANTY: 20 YEAR NDL WARRANTY - EXPIRES 2033
SEE SPECIFICATIONS FOR WARRANTY CERTIFICATE

- COMPONENTS OF ROOF ASSEMBLY (BASED OFF OF ROOF CUTS, 2019):
- 0.090" EPDM SINGLE PLY MEMBRANE, FULLY ADHERED TO;
 - 1/2" GYPSUM COVER BOARD, FULLY ADHERED TO;
 - +/- 2" POLYISOCYANURATE INSULATION, FULLY ADHERED TO;
 - +/- 2" POLYISOCYANURATE INSULATION, FULLY ADHERED TO;
 - VAPOR RETARDER, FULLY ADHERED TO;
 - 1/2" GYPSUM UNDERLAYMENT BOARD, MECHANICALLY FASTENED TO;
 - STEEL DECK

EQUIPMENT SUPPORTS:

DUCT AND PIPE SUPPORTS ARE LOCATED AT 6'-0" O.C. TYPICAL. REFER TO M.E.P. DRAWINGS FOR DUCT, PIPING AND CONDUIT LAYOUT REQUIRING SUPPORTS.

APPROXIMATE DUCT AND PIPING/CONDUIT SUPPORT QUANTITIES:

BALLASTED DUCT SUPPORT:	16
ANCHORED DUCT SUPPORT:	19
PIPE/CONDUIT SUPPORT:	31

KEYNOTES - ROOF	
NUMBER	NOTE
1	EXISTING ROOFTOP EQUIPMENT TO REMAIN.
2	EXISTING EPDM MEMBRANE. REFER TO GENERAL ROOFING NOTES AND SPECIFICATIONS FOR WARRANTY INFORMATION.
3	PROVIDE TYPE 1 WALKWAY PADS, TYP.
4	NATURAL GAS PIPING ON PIPE SUPPORTS, TYP. SEE P-DRAWINGS. PIPING TO BE PAINTED BY C-CONTRACTOR. REFER TO DETAIL 10/A-612.
5	EQUIPMENT CURBS, TYP. REFER TO MEP FOR EQUIPMENT SIZES.
6	DASHED LINES REPRESENT INSULATED ROOFTOP DUCTING. REFER TO H-CONTRACT.
7	AREA OF ROOF AND/OR DECK PATCHING. SEE DETAIL 10/A-612.
8	PLUMBING VENT. SEE P-DRAWINGS.
9	GOOSENECK MECHANICAL VENT. SEE H-DRAWINGS.

ROOF GRAPHIC SYMBOLS LEGEND

- | | |
|--|---|
| | - PHOTO LOCATION |
| | - DETAIL TAG |
| | - SECTION TAG |
| | - ELEVATION TAG |
| | - ROOF DRAIN |
| | - BALLASTED
DUCT SUPPORT |
| | - ANCHORED
DUCT SUPPORT |
| | - BALLASTED
PIPE SUPPORT |
| | - SLOPE TO DRAIN
PROVIDED BY SLOPED
STRUCTURAL DECK |
| | - SLOPE TO DRAIN
PROVIDED BY TAPERED
INSULATION |
| | - AREA OF ROOF
PATCHING. |
| | - CRICKET |
| | - WALKWAY PAD (TYPE 1) |
| | - CUTLINE |

APPROXIMATE AREA OF DECK PATCHING: 160 S.F.
APPROXIMATE AREA OF EPDM ROOF PATCHING: (2260 S.F.) — 3

REFER TO M.E.P. AND STRUCTURAL DRAWINGS. VERIFY EXTENTS IN FIELD.

CONSULTANT



WARNING:

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PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT,
ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT
FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE
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AND IS A CLASS 'A' MISDEMEANOR

CONTRACT: CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

ON OF MILITARY AND NAVAL
AFFAIRS

4	09/23/2026	ADDENDUM 2
3	09/16/2026	ADDENDUM 1
2	07/20/2026	PERMIT AMENDMENT / E SET
1	03/11/2026	PERMIT AMENDMENT SE
	11/24/2025	PERMIT SET
MARK	DATE	DESCRIPTION

PROJECT NUMBER: 47477-C

DESIGNED BY:	GBT/JLP
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DRAWN BY:	GBT
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FIELD CHECK:	JLP
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APPROVED:	DKA
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REVISED:	DATE:
SHEET TITLE:	

1. *Journal of Management Studies*, 1997, 34, 1, 1-14.

ROOF PLAN

1. *Journal of Management Studies*, 1997, 34, 1, 1-14.

DRAWING NUMBER:

A 105

A-10J

SHEET 53 OF 198



2 PHOTO 1 - OVERALL DRILL HALL
SCALE: N.T.S.



3 PHOTO 2 - OVERALL DRILL HALL
SCALE: N.T.S.



4 PHOTO 3 - C-COMP UNIT STORAGE
SCALE: N.T.S.



5 PHOTO 4 - HHQ UNIT STORAGE
SCALE: N.T.S.

GENERAL REMOVAL NOTES:

- A. BUILDING WILL BE UNOCCUPIED FOR DURATION OF CONSTRUCTION. BUILDING WILL BE TURNED OVER TO CONTRACTOR FOR THE DURATION OF WORK. CONTRACTOR IS RESPONSIBLE FOR SECURING BUILDING.
- B. DIMENSIONS GIVEN ARE FOR REFERENCE ONLY. FIELD VERIFYING THE EXISTING BUILDING EXTENT AND MEASUREMENTS IS SOLELY THE CONTRACTOR'S RESPONSIBILITY. FIELD VERIFY ALL EXISTING CONDITIONS AND CONFIRM THAT DETAILS AS SHOWN WILL INTERFACE WITH THOSE CONDITIONS.
- C. AFTER REMOVALS OF CEILING SYSTEMS AND CEILING-RELATED ITEMS, CLEAN ALL REMAINING NEAR CEILING ITEMS SUCH AS CONDUIT, WIRING, BUSWAYS, PIPING, DUCTWORK AND ALL CONCRETE SURFACES PER SPECIFICATION SECTION 01423.
- D. MECHANICAL
1. COORDINATE ALL TEMPORARY ELECTRIC, GAS OR MECHANICAL UNIT ETC. SHUTDOWNS WITH DIRECTOR'S REPRESENTATIVE. REFER TO THE H-DRAWINGS.
2. TEMPORARY HEAT SHALL BE PROVIDED BY C-CONTRACTOR AND COORDINATED WITH H-CONTRACTOR.
- E. ELECTRICAL
1. DISCONNECT ANY POWER OR LIGHTING CONNECTIONS, AS NECESSARY AT CEILING REMOVALS PRIOR TO COMMENCEMENT OF WORK. COORDINATE DISRUPTIONS WITH DIRECTOR'S REPRESENTATIVE. REFER TO E-CONTRACT DRAWINGS FOR THE ELECTRICAL SCOPE OF WORK.
- F. FURNITURE AND EQUIPMENT REMOVALS ARE TO BE COMPLETED BY THE FACILITY. ANY FIFTE REMOVALS INDICATED ON PLANS ARE FOR REFERENCE, ONLY.
- G. IN ORDER TO MAINTAIN BUILDING SECURITY, ALL EXTERIOR DOORS IDENTIFIED FOR REMOVAL TO REMAIN IN PLACE AND SECURED FOR DURATION OF WORK ON SITE. REMOVAL AND REPLACEMENT OF EXTERIOR DOORS SHALL TAKE PLACE DURING THE FINAL PHASES OF CONSTRUCTION PRIOR TO TURNOVER TO DIRECTOR. FLOORING IN THE CONTRACT AREA CONSISTS OF CAST-IN-PLACE CONCRETE SLAB-ON-GRADE (LOWER LEVEL) OR G.I.P. ON METAL DECK (UPPER LEVEL) WITH VARIOUS FLOOR FINISHES. ALL EXISTING FLOOR FINISHES TO BE REMOVED.
- I. REMOVE ALL ADHESIVE & GLUE RESIDUES FROM SUBSTRATES IN PREPARATION FOR INSTALLATION OF PROVIDED FINISHES.
- J. CMU AND CAST IN PLACE STRUCTURAL COLUMNS AND PILASTERS WITHIN THE SPACE ARE SHOWN IN PLAN AND VARY IN SHAPE AND SIZE. COLUMNS ARE NOT TO BE DISTURBED DURING ADJACENT REMOVALS.
- K. UPON REMOVAL OF DOORS, CONTRACTOR IS REQUIRED TO LABEL AND TURN OVER ALL LOCKING HARDWARE TO DIRECTOR'S REPRESENTATIVE.
- L. C-CONTRACTOR IS RESPONSIBLE FOR ALL REMOVALS AND TRENCHING FOR UNDER-SLAB WALL AND SHALL COORDINATE REMOVALS WITH H-, P-, AND E- CONTRACTORS.

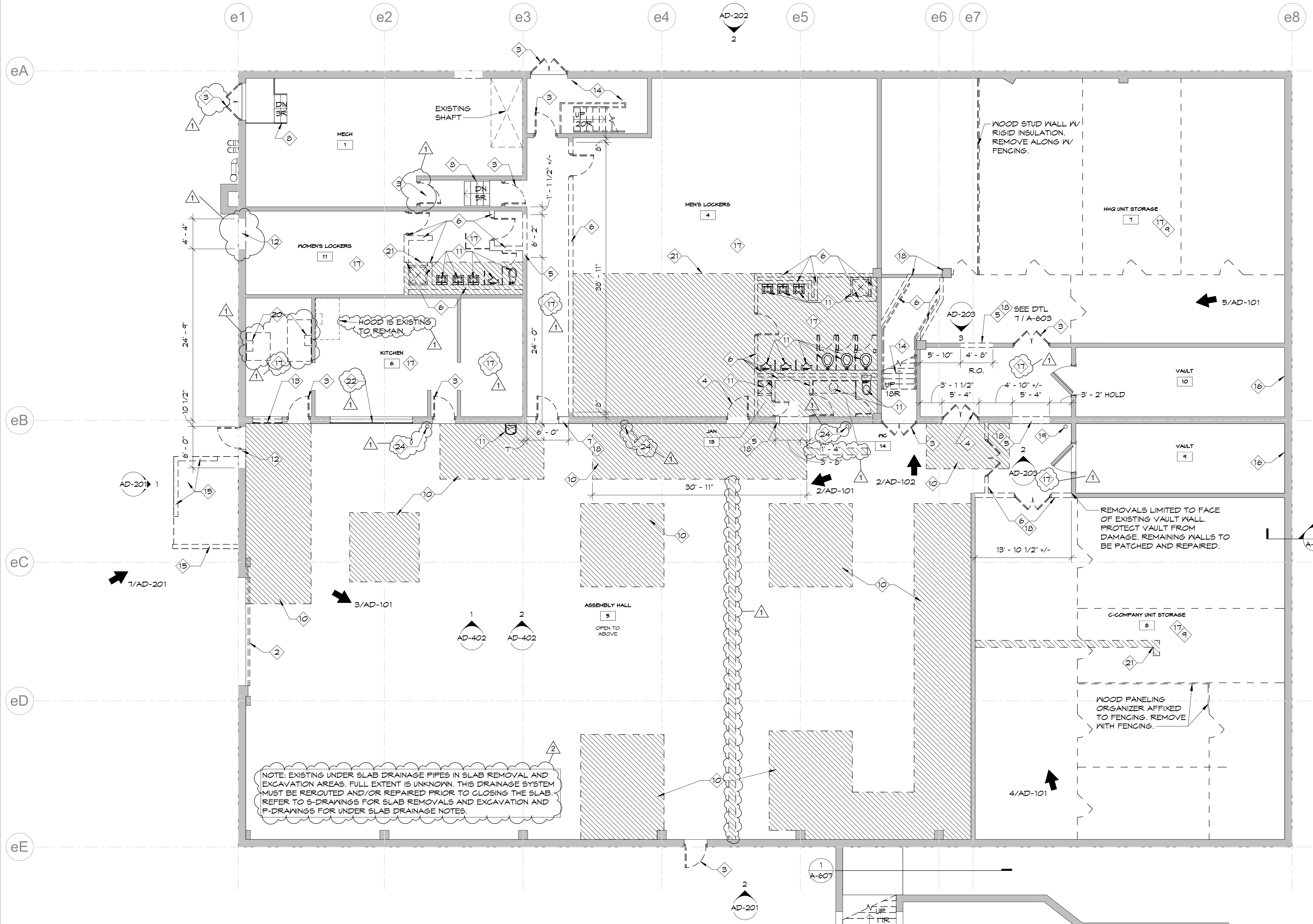
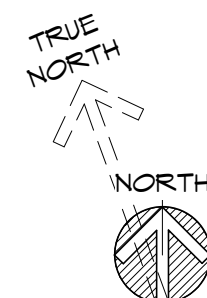
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KEYNOTES - FLOOR PLAN REMOVALS

NUMBER	KEYNOTE
2	REMOVE OVERHEAD DOOR, JAMB ANGLES, SHROUD, MOTORS AND ASSOCIATED HARDWARE
3	REMOVE DOOR AND FRAME. OPENING TO REMAIN.
4	REMOVE DOOR AND FRAME. PREPARE OPENING TO RECEIVE MATCHING CMU INFILL.
5	REMOVE MASONRY WALL PARTITION PARTIAL HEIGHT TO EXTENTS INDICATED FOR INSTALLATION OF WINDOW OR DOOR AND FRAME.
6	REMOVE MASONRY WALL PARTITION IN ITS ENTIRETY. PROVIDE SHORING MEETING MINIMUM SPECIFICATIONS TO MAINTAIN STABILITY OF WALLS EXISTING TO REMAIN DURING STRUCTURAL MODIFICATIONS. REFER TO STRUCTURAL AT INTERSECTIONS WITH WALLS EXISTING TO REMAIN. SAW CUT SHARED MASONRY UNITS.
7	REMOVE MASONRY WALL PARTITION FULL HEIGHT TO EXTENTS INDICATED. REMOVE ANY DOORS AND FRAMES WITHIN WALL.
8	EXISTING STAIRS TO REMAIN.
9	REMOVE AND DISCARD EXISTING WIRE MESH PARTITIONS AND GATES.
10	CUT AND REMOVE EXISTING CONCRETE SLAB AND WHERE APPLICABLE, METAL DECK. AREAS INDICATED FOR REMOVAL ARE APPROXIMATE. REFER TO STRUCTURAL DRAWINGS FOR EXTENTS AND DETAILS.
11	REMOVE PLUMBING FIXTURES, WITH ASSOCIATED HARDWARE, PARTITIONS AND ACCESSORIES IF APPLICABLE. REFER TO MEP DRAWINGS FOR DETAILS.
12	REMOVE EXTERIOR WALL TO EXTENTS INDICATED. PROVIDE SHORING MEETING MINIMUM SPECIFICATIONS TO MAINTAIN STABILITY FOR LINTEL INSTALLATION. REFER TO STRUCTURAL. SAW CUT CMU AND BRICK. REMOVE MEMBRANES AT PERIMETER AND PREPARE TO REFLASH.
13	REMOVE ROLL-UP SHUTTER. PREPARE OPENING FOR MASONRY INFILL.
14	REMOVE INTERIOR METAL PAN STAIRS, LANDING AND RAILING IN ITS ENTIRETY. SEE STRUCTURAL FOR FRAMING REMOVALS.
15	REMOVE EXTERIOR PATIO SLAB, BRICK, CMU WALLS AND ASSOCIATED FOUNDATIONS.
16	SCRAPE PAINTING AND OTHER DEBRIS FROM WALLS WITHIN VAULT. PROVIDE CLEAN, FINISH-READY SURFACE.
17	REMOVE CEILINGS, SOFFITS, GRIDS, LIGHT FIXTURES, SMOKE DETECTORS, ALARM ANNUNCIATORS, ACCESS POINTS AND OTHER ASSOCIATED CEILING-MOUNTED SYSTEMS, HARDWARE AND CONDUITS. REFER TO H-, P-, AND E-CONTRACTS FOR ADDITIONAL INFORMATION.
18	COORDINATE WITH STRUCTURAL FOR SHORING AND LINTEL INSTALLATION, TYPICAL.
19	EXISTING DRAIN LEADER TO REMAIN, TYP. PROTECT DURING WORK. SEE P-CONTRACT.
20	REMOVE EXISTING KITCHEN HOODS, DUCTING, AND ANY ASSOCIATED ANSUL SYSTEMS. REFER TO MECHANICAL.
21	CUT AND REMOVE EXISTING CONCRETE SLAB FOR REMOVAL AND PLACEMENT OF PLUMBING AREAS INDICATED FOR REMOVAL ARE APPROXIMATE. REFER TO P-CONTRACT DRAWINGS FOR EXTENTS AND DETAILS.
22	EXISTING SHUTTER TO REMAIN.
24	REMOVE SECTION OF EXISTING DRAIN LEADER. SEE P-CONTRACT.

REMOVALS SYMBOLS LEGEND

	ELEVATION
	PHOTO # REFERENCE
	DENOTES APPROXIMATE EXTENT OF INTERIOR SLAB REMOVALS. VERIFY EXTENTS W/ STRUCTURAL DWGS, H-, P- AND E- CONTRACTS.
	APPROXIMATE LOCATION OF ROOF CUT.



NOTE: EXISTING UNDER SLAB DRAINAGE PIPES IN SLAB REMOVAL AND EXCAVATION AREAS. FULL EXTENT IS UNKNOWN. THIS DRAINAGE SYSTEM MUST BE REROUTED AND/OR REPAIRED PRIOR TO CLOSING THE SLAB. REFER TO S-DRAWINGS FOR SLAB REMOVALS AND EXCAVATION AND P-DRAWINGS FOR UNDER SLAB DRAINAGE NOTES.

1 LOWER LEVEL REMOVALS PLAN
SCALE: 1/8" = 1'-0"

CONSTRUCTION

CONTRACT:
TITLE:
RENOVATE ARMORY
LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY
CLIENT:
DIVISION OF MILITARY AND NAVAL
AFFAIRS

MARK	DATE	DESCRIPTION
4	09/23/2026	ADDENDUM 2
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:
47477-C
DESIGNED BY:
GBT/JLP
DRAWN BY:
GBT
FIELD CHECK:
JLP
APPROVED:
DKA
SHEET TITLE:

LOWER LEVEL REMOVALS PLAN

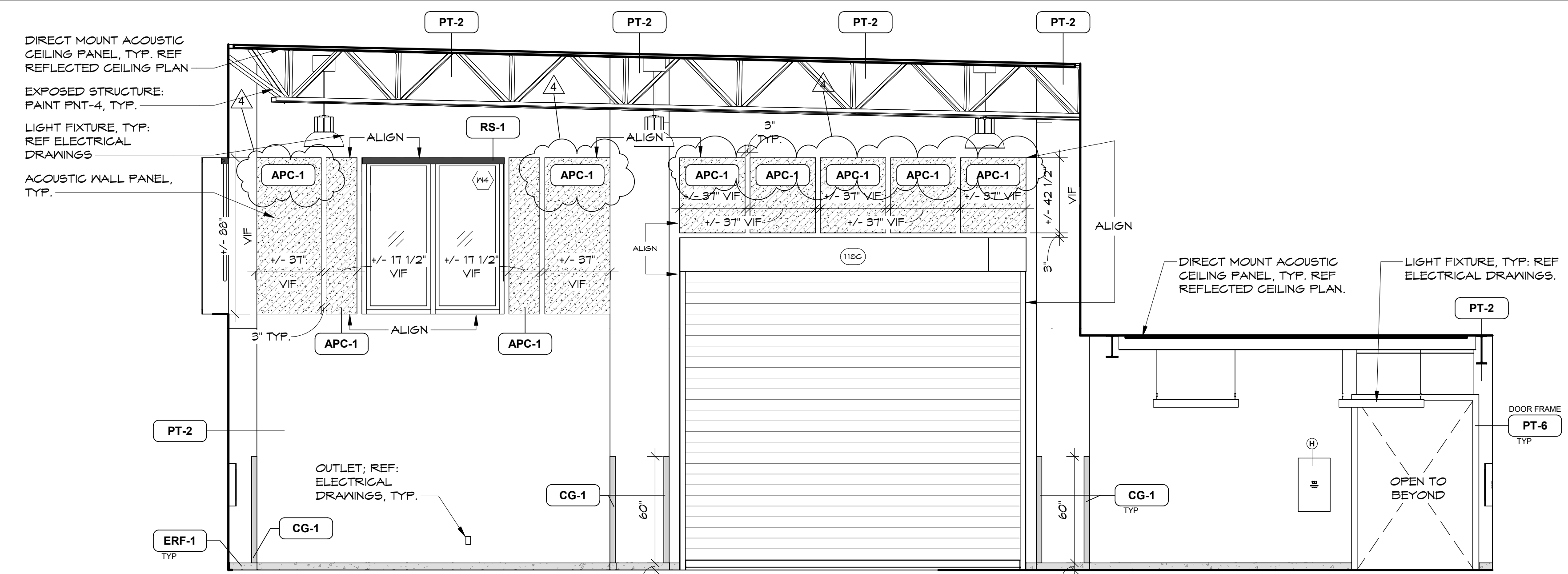
DRAWING NUMBER:
AD-101
SHEET 41 OF 198

1. PRIOR TO ORDERING MATERIALS AND THE COMMENCEMENT OF WORK, FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS. NOTIFY THE DIRECTOR'S REPRESENTATIVE OF DISCREPANCIES OR VARIATIONS FROM CONDITIONS SHOWN ON THE DRAWINGS WHICH MAY INHIBIT THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
2. ALL EXITWAYS AND PATHS OF TRAVEL OF THE WORK AREA FLOOR LEVELS SHALL BE CONTINUOUSLY MAINTAINED TO BE FREE FROM OBSTRUCTIONS IN THE EVENT OF AN EMERGENCY EVACUATION.
3. CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL FIRE STOPPING PER CODE. FIRE STOPPING METHODS TO BE UL APPROVED. ALL PROVIDED PENETRATIONS THROUGH FIRE RATED WALLS AND SLABS TO BE FIRESTOPPED INCLUDING, BUT NOT LIMITED TO: ELECTRICAL WORK, PIPING AND DUCTWORK. SPECIAL CARE SHALL BE TAKEN TO AVOID GAPS AND VOIDS IN PROVIDED FIRESTOPPING.
4. EXCEPT WHERE CONCEALED BY PROVIDED FINISHES, PATCH ALL FASTENER HOLES RESULTING FROM REMOVAL OF PARTITIONS, LIGHT FIXTURES, SURFACE RUN CONDUIT AND RELATED BOXES, ETC.
5. AFTER REMOVALS OF CEILING SYSTEMS AND CEILING-RELATED ITEMS, CLEAN ALL REMAINING NEAR CEILING ITEMS SUCH AS CONDUIT, WIRING, BUSWAYS, PIPING, DUCTWORK AND ALL CONCRETE SURFACES PER SPECIFICATION SECTION 01221.01
6. UNLESS DOOR IS TO BE PLACED IN AN EXISTING OPENING, OR UNLESS DIMENSIONED OTHERWISE, ALL DOOR HINGE JAMBS ARE TO BE LOCATED A MINIMUM OF 4" FROM THE FINISHED FACE OF ADJACENT WALLS.

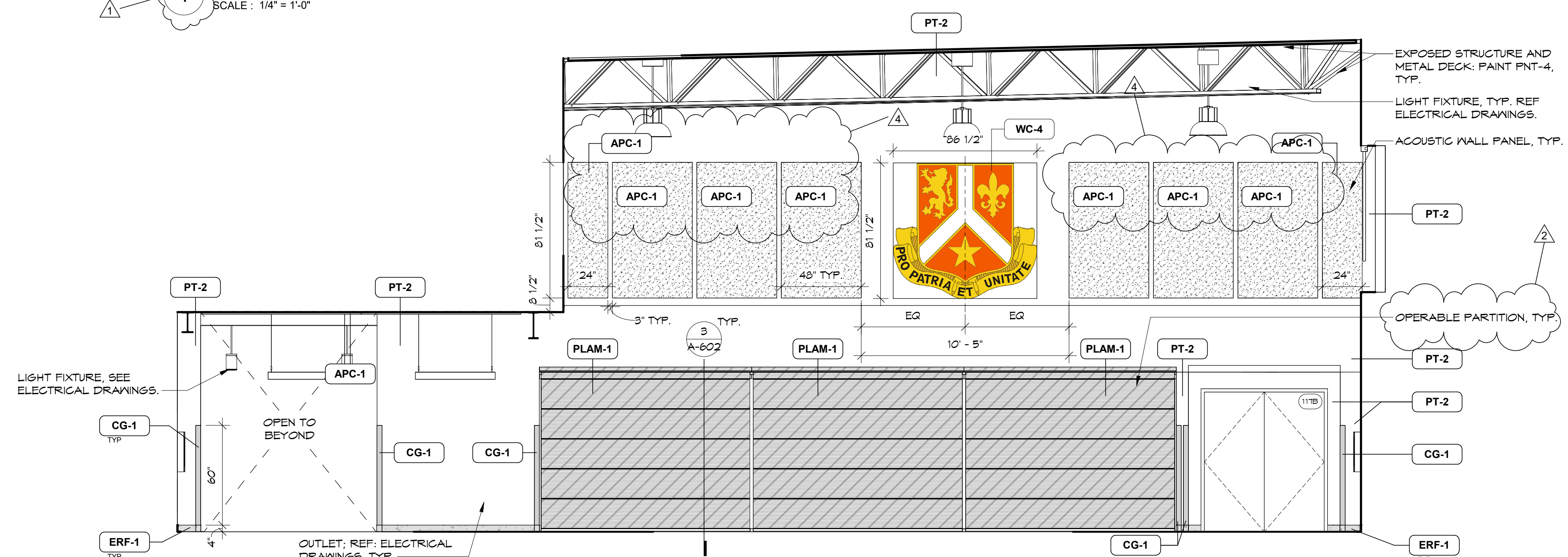
1 KEYNOTES SCHEDULE ONLY INCLUDES NOTES FOUND ON THIS SHEET.



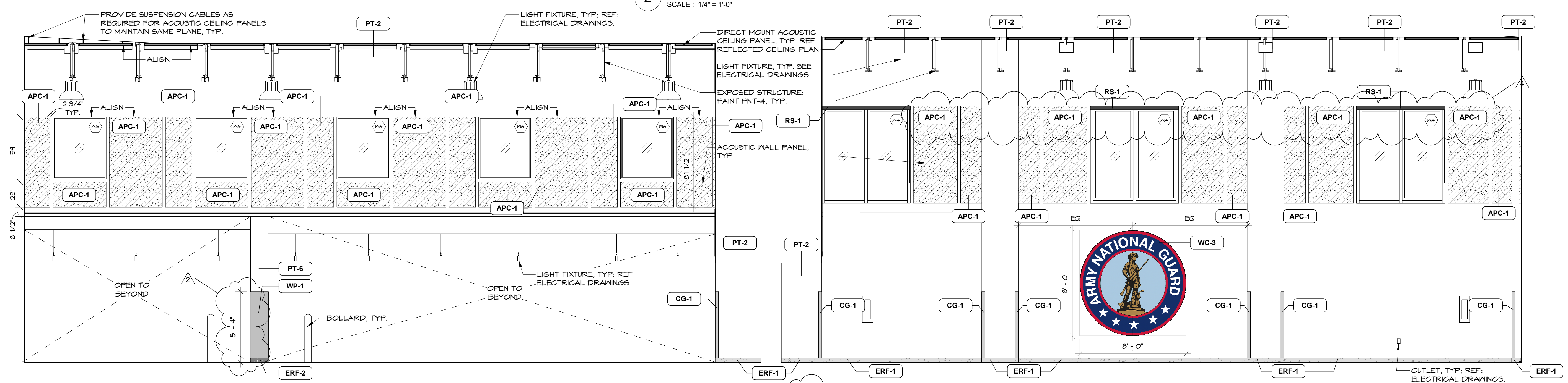
REFER TO INTERIOR FINISH SCHEDULE AND
LEGEND ON SHEET I-602 FOR FINISH
CLARIFICATIONS.



1 DRILL HALL ELEVATION PLAN WEST
SCALE: 1/4" = 1'-0"



2 DRILL HALL EAST ELEVATION
SCALE: 1/4" = 1'-0"



3 DRILL HALL 118 NORTH ELEVATION
SCALE: 1/4" = 1'-0"

4 DRILL HALL 118 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

CONSULTANT



re-habitat

WARNING:
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AND IS A CLASS 'A' MISDEMEANOR

CONSTRUCTION

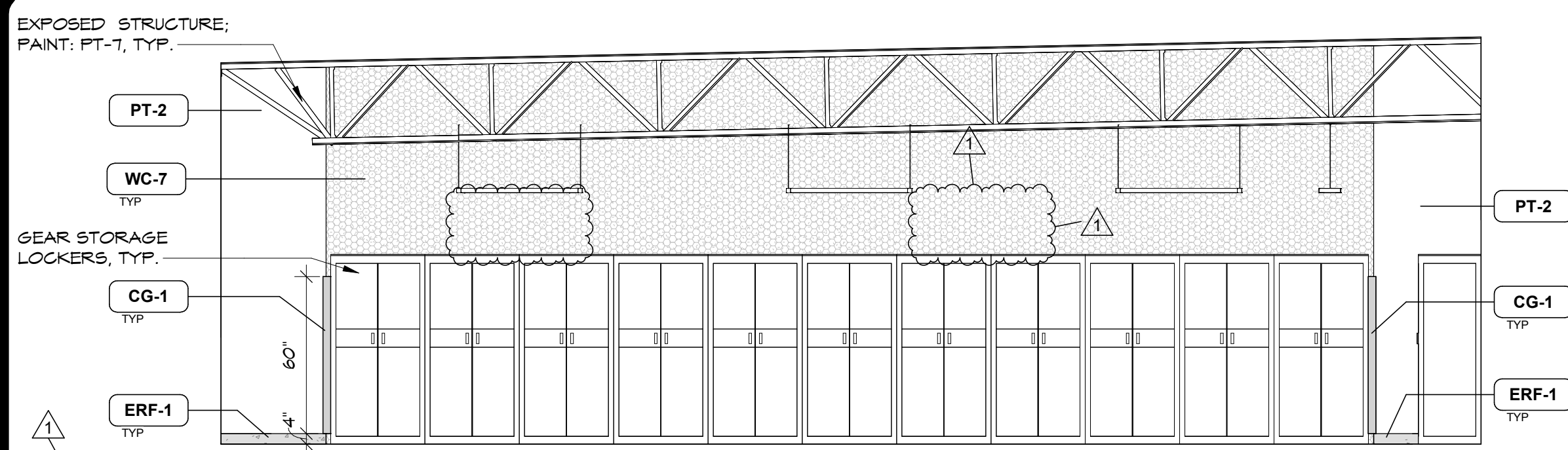
TITLE:
RENOVATE ARMORY
LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY
CLIENT:
DIVISION OF MILITARY AND NAVAL
AFFAIRS

4	09/23/2026	ADDENDUM 2
2	07/20/2026	PERMIT AMENDMENT / BID SET
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MARK	DATE	DESCRIPTION

PROJECT NUMBER:
47477-C
DESIGNED BY:
LS
DRAWN BY:
LS/GBT
FIELD CHECK:
JLP
APPROVED:
DKA

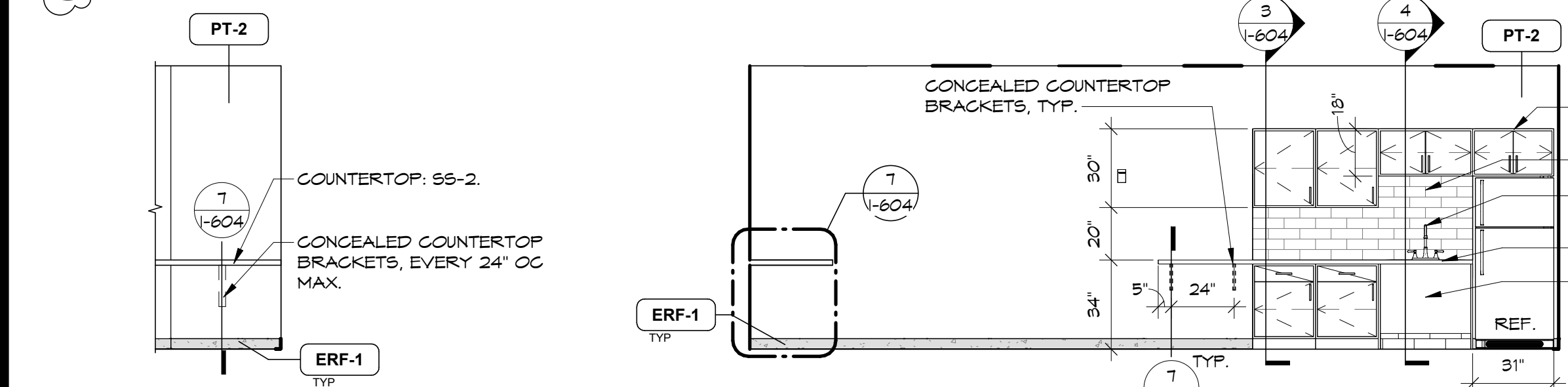
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INTERIOR ELEVATIONS
LOWER LEVEL

DRAWING NUMBER:
A-213



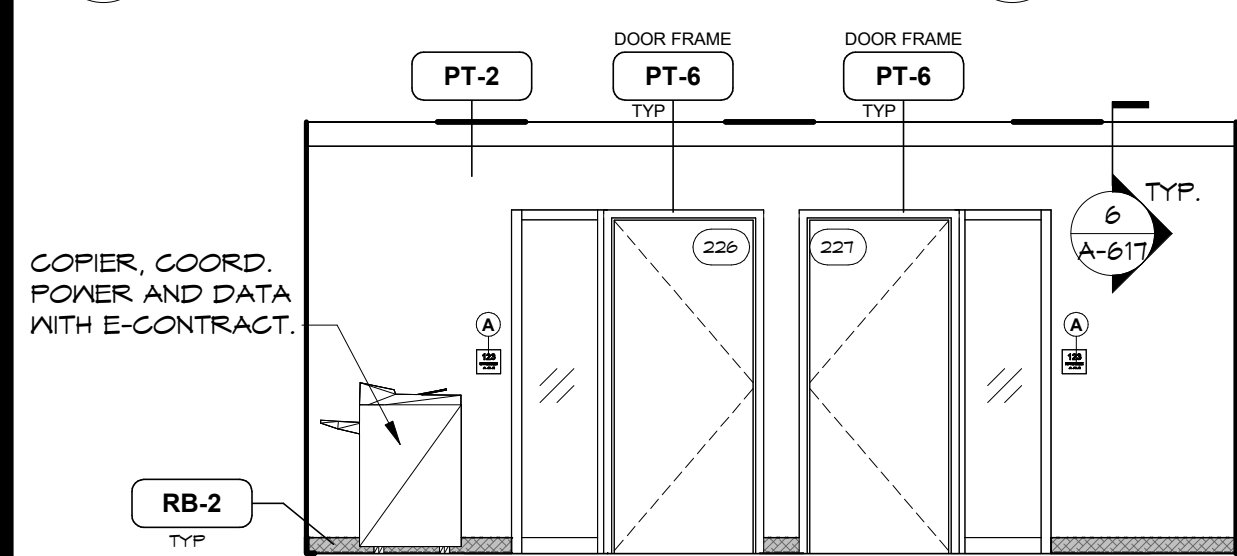
1 WOMEN'S GEAR STORAGE 231 EAST

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



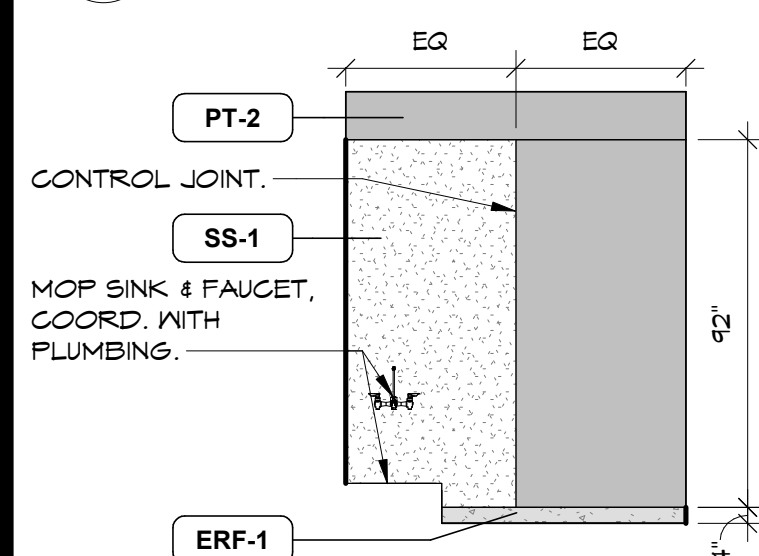
4 BREAK 221 NORTH

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



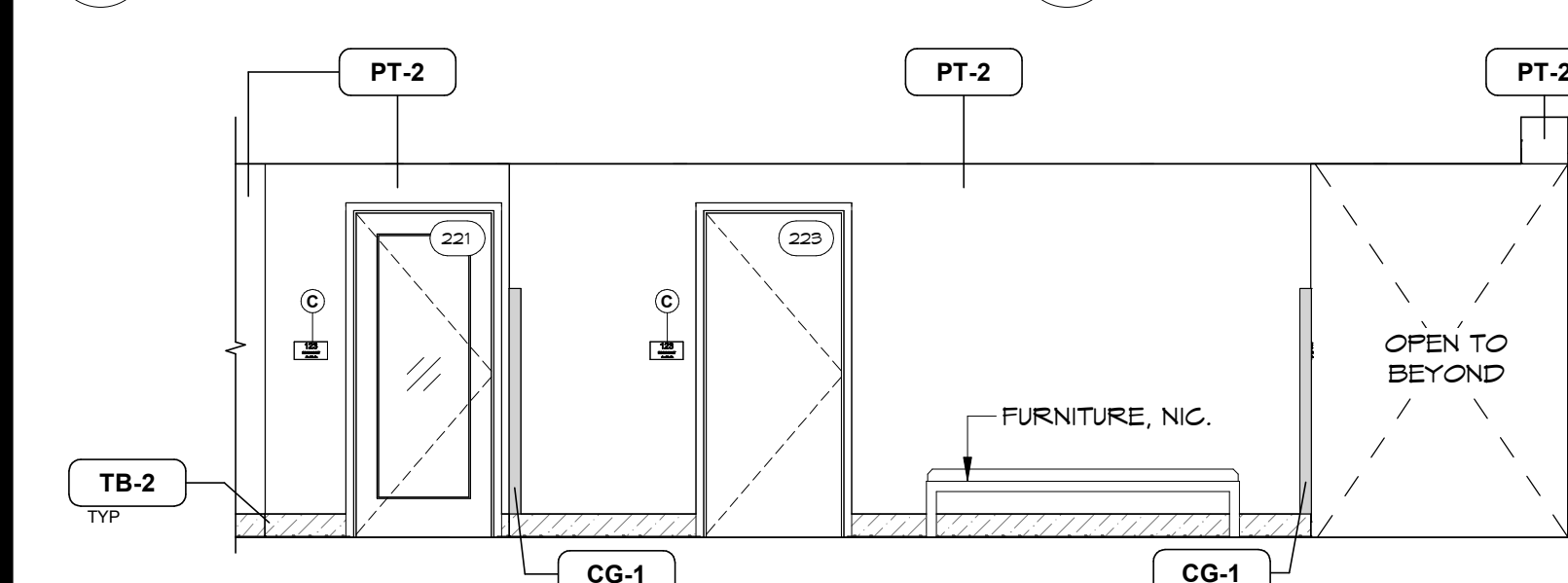
8 C-COMPANY COLLAB 228 NORTH

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



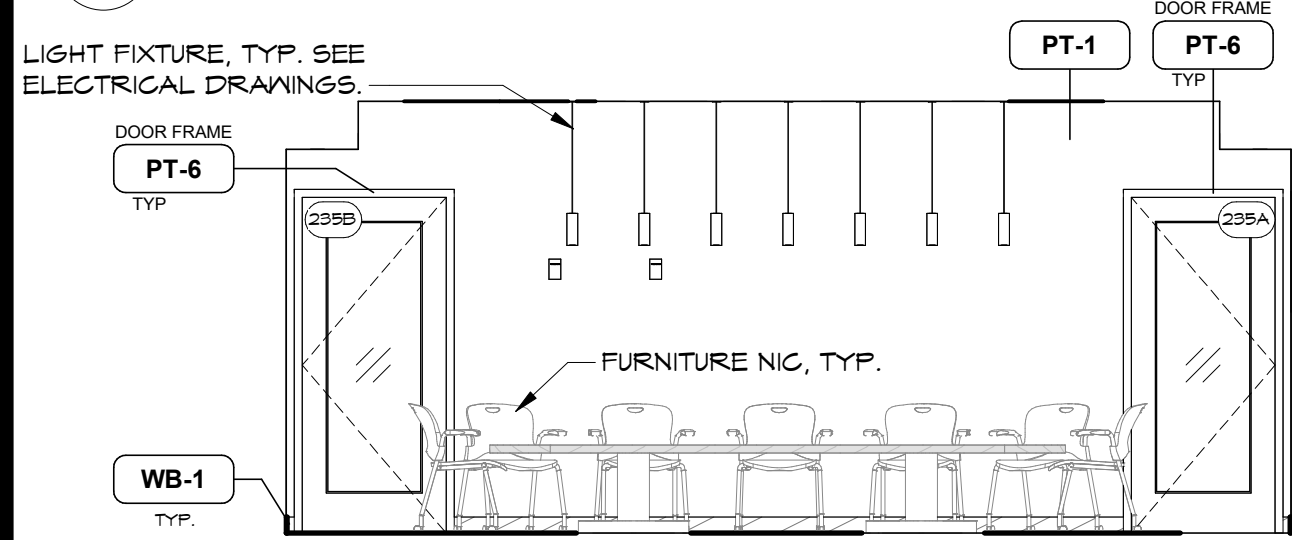
11 JANITOR 223 EAST

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



15 LOBBY 219 EAST

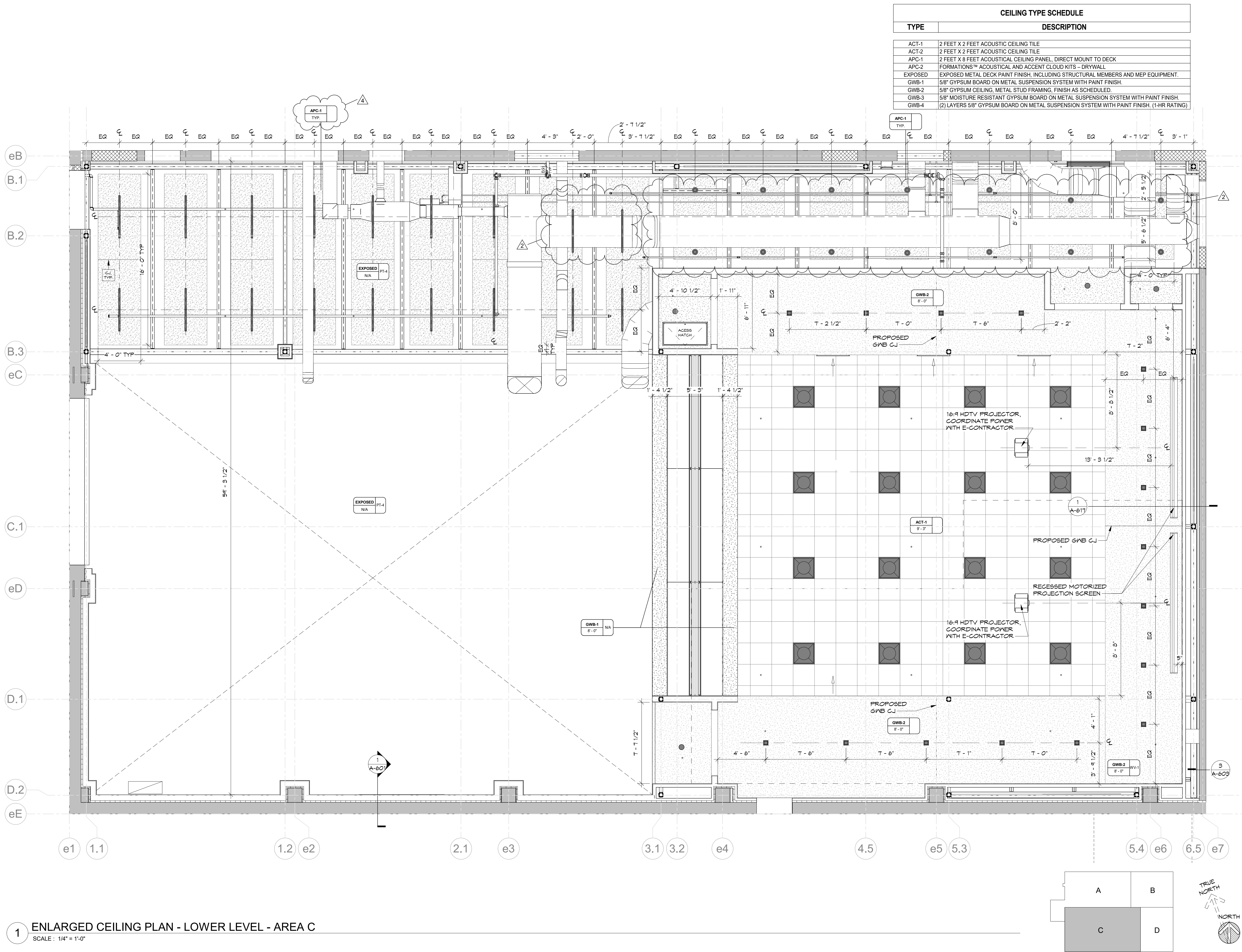
SCALE: 1/4" = 1'-0"



18 CONFERENCE 235 NORTH

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





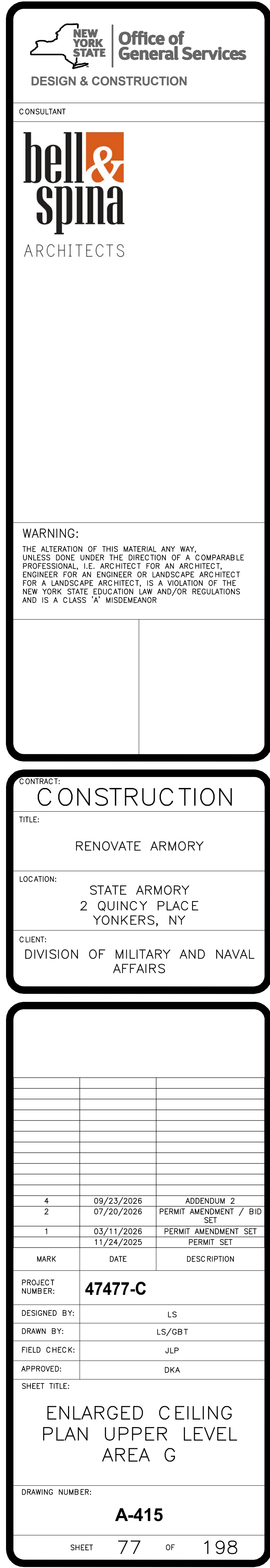
1 ENLARGED CEILING PLAN - LOWER LEVEL - AREA C
SCALE: 1/4" = 1'-0"

WARNING:
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CONTRACT:
CONSTRUCTION
TITLE:
RENOVATE ARMORY
LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY
CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

4	09/23/2026	ADDENDUM 2
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	47477-C	
DESIGNED BY:	LS	
DRAWN BY:	LS/GBT	
FIELD CHECK:	JLP	
APPROVED:	DKA	

SHEET TITLE:
ENLARGED CEILING PLAN LOWER LEVEL AREA C

[illegible]

CONSULTANT

bell & spina
ARCHITECTS

re-habitat

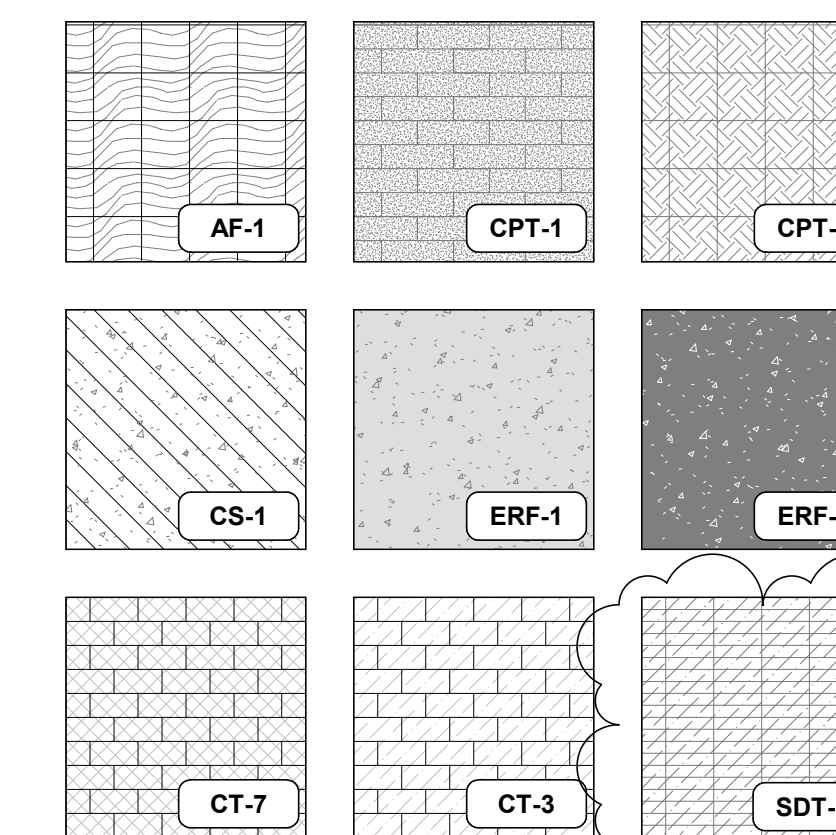
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CONTRACT:
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RENOVATE ARMORY
LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY
CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

GENERAL FLOOR FINISH NOTES

1. **EXISTING CONDITIONS VERIFICATION:** VERIFY EXISTING FLOOR CONDITIONS, SUBSTRATES, AND DRAINAGE SYSTEMS PRIOR TO INSTALLATION. DOCUMENT ANY DISCREPANCIES OR UNDOCUMENTED CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY.
2. **SUBSTRATE PREPARATION:** ENSURE ALL SUBSTRATES ARE CLEAN, DRY, AND FREE OF CONTAMINANTS BEFORE FLOOR FINISH APPLICATION AS REQUIRED BY THE MANUFACTURER. REPAIR OR REPLACE ANY DAMAGED, UNEVEN, OR UNSTABLE SUBSTRATES PRIOR TO FLOORING INSTALLATION.
3. **DRAINAGE AND SLOPE REQUIREMENTS:** CONFIRM EXISTING FLOOR SLOPES AND DRAINAGE PATHWAYS MEET DESIGN SPECIFICATIONS. FOR NEW DRAINS, VERIFY PROPER SLOPE (MINIMUM 1-4% OR AS SPECIFIED) TO ENSURE POSITIVE DRAINAGE. EXISTING DRAINS SHOULD BE INSPECTED FOR BLOCKAGES, DAMAGE, OR IMPROPER INSTALLATION; REPORT FINDINGS.
4. **TRANSITION AND EXPANSION JOINTS:** INCORPORATE CONTROL OR EXPANSION JOINTS AT APPROPRIATE LOCATIONS TO ACCOMMODATE MOVEMENT AND PREVENT CRACKING. INDICATE LOCATIONS OF CONTROL JOINTS IN SHOP DRAWINGS. VERIFY EXISTING JOINT LOCATIONS AND CONDITIONS; MODIFY OR ADD JOINTS AS NECESSARY TO ACCOMMODATE NEW FINISHES.
5. **PROTECTIVE MEASURES DURING INSTALLATION:** PROTECT EXISTING FINISHES AND ADJACENT SURFACES FROM DAMAGE DURING FLOORING INSTALLATION. USE PROPER MASKING, BARRIERS, OR COVERINGS TO PREVENT CONTAMINATION OR DAMAGE.
6. **WATERPROOFING AND MOISTURE BARRIERS:** INSTALL WATERPROOFING OR MOISTURE BARRIERS WHERE REQUIRED, INCLUDING ALL WET AREAS OR BELOW-GRADE INSTALLATIONS. VERIFY EXISTING WATERPROOFING SYSTEMS ARE INTACT AND FUNCTIONING; REPAIR IF NECESSARY.
7. **TESTING AND INSPECTION:** CONDUCT MOISTURE TESTING, ADHESION TESTS, AND OTHER RELEVANT INSPECTIONS PRIOR TO FINAL INSTALLATION. DOCUMENT AND ADDRESS ANY DEFICIENCIES BEFORE PROCEEDING.
8. **COORDINATION WITH OTHER TRADES:** COORDINATE WITH MECHANICAL ELECTRICAL, PLUMBING CONTRACTORS, AND OTHER IMPACTED TRADES FOR INTEGRATION OF FLOOR FINISHES WITH EXISTING AND NEW FIXTURES.

FLOOR FINISH LEGEND



FINISH SYMBOLS LEGEND

CPT-10	MATERIAL TYPE TAG; REFER TO FINISH MATERIAL LEGEND
CPT-10 ERF-1	FLOOR TRANSITION; SEE FLOOR TRANSITION DETAILS
CG-1	CORNER GUARD; REFER TO FINISH MATERIAL LEGEND

FLOOR TRANSITION LEGEND

TR-1	EXISTING (VIF) TO EPOXY RESIN
TR-2	RUBBER ATHLETIC TILE TO EPOXY RESIN
TR-3	CERAMIC/ PORCELAIN TILE TO EPOXY RESIN
TR-4	EPOXY RESIN TO EPOXY RESIN (CONTROL JOINT)
TR-5	CARPET TO SEALED CONCRETE
TR-6	CERAMIC TILE TO WALK OFF CARPET
TR-7	CERAMIC TILE TO CARPET
TR-8	CARPET TO CARPET
TR-9	CARPET TO EPOXY RESIN
TR-10	CERAMIC TILE TO EPOXY RESIN (LATRINES)



1 UPPER LEVEL FINISH PLAN
SCALE: 1/8" = 1'-0"

UPPER LEVEL FLOOR
FINISH PLAN

DRAWING NUMBER:

I-102

SHEET 100 OF 198

ROOM FINISH SCHEDULE										
RM#	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH				CEILING MATERIAL	CEILING FINISH	COMMENTS
				NORTH	SOUTH	EAST	WEST			
LOWER LEVEL										
101	EXISTING MECHANICAL	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
102A	FACILITY STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
102B	OUTDOOR EQUIPMENT STORAGE	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
102C	EXIT VESTIBULE	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
103	EXISTING KITCHEN	EXIST	EXIST	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	ACT-2	-	SCOPE UNDER REVIEW BASED ON EQUIPMENT IMPACT
103A	SCULLERY	EXIST	EXIST	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	ACT-2	-	
103B	KIT STOR	EXIST	EXIST	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	EXIST, CT-8	ACT-2	-	
104	GENERAL STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2/SS-1	PT-2/SS-1	EXPOSED	PT-4	
105	VEST	CT-7	TB-3	CT-1/CT-2	CT-1/CT-2	PT-2	PT-2	GWB-3	PT-5	
106	MEN'S LATRINE	CT-7	TB-1	CT-1/CT-2/GT-1/S-1	CT-1/CT-2/CT-5/GT-1	CT-1/CT-2/GT-1	CT-1/CT-2/GT-1	GWB-3	PT-13	VANITY PLAM-1WITH SS-2 COUNTER, SHOWERS SS-1, SHOWER FLOOR PANS, COORD WITH PLUMBING
107	JAN	ERF-2	ERF-2	PT-2	PT-2/SS-1	PT-2	PT-2	GWB-3	PT-5	
108	VEST	CT-7	TB-3	CT-1/CT-2	CT-1/CT-2	PT-2	PT-2	GWB-3	PT-5	
109	WOMEN'S LATRINE	CT-7	TB-1	CT-1/CT-2/GT-5/GT-1	CT-1/CT-2/GT-1/SS-1	CT-1/CT-2/GT-1	CT-1/CT-2/GT-1/SS-1	GWB-3	PT-13	VANITY PLAM-1WITH SS-2 COUNTER, SHOWERS SS-1, SHOWER FLOOR PANS, COORD WITH PLUMBING
110	FITNESS	AF-1	RB-1	PT-11/WC-2	PT-2/PT-11	PT-11/WC-2	PT-2	EXPOSED	PT-7	COORDINATE FULL LENGTH MIRRORS NORTH AND EAST WALLS. EXISTING SUBSTRATE DEPTHS VARY THROUGHOUT THIS SPACE DUE TO DIFFERING FLOOR CONDITIONS. VERIFY SUBSTRATE LEVELS IN THE FIELD UPON COMPLETION OF DEMOLITION. PROVIDE INFILL AS NECESSARY TO ACHIEVE A LEVEL SURFACE SUITABLE FOR THE SCHEDULED FLOOR FINISH, IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
111	HHC STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-7	
112	OFFICE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
113	EXISTING VAULT	EXIST	EXIST	PT-2	PT-2	PT-2	PT-2	EXIST	PT-5	REVIEW NEED TO PRIME ANY REMEDIATED AREAS PRIOR TO PAINTING
114	EXISTING VAULT	EXIST	EXIST	PT-2	PT-2	PT-2	PT-2	EXIST	PT-5	REVIEW NEED TO PRIME ANY REMEDIATED AREAS PRIOR TO PAINTING
115	VEST	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-7	
116	C-COMPANY STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-7	REVIEW ALTERNATE OF ACT-1 OVER DESKS
117	MULTI-PURPOSE	ERF-1	ERF-1	PT-1/PT-11	WC-3/PT-1	PT-1/PLAM-1	PT-1/PT-11	WC-1, ACT-1	PT-4/PT-2	ACOUSTIC DOOR TO MATCH PLAM-1
118	DRILL HALL	ERF-2	ERF-2	PT-2	PT-2/WC-3	PT-2/WC-4	PT-2	EXPOSED/APC-1	PT-4/PT-2	ACOUSTIC DOOR TO MATCH PLAM-1, PLAN NORTH MEZZANINE WALL PT-10
119	VEST	ERF-2	ERF-2	PT-2	PT-2	PT-2	PT-2	ACT-1	PT-4	PT-9 BLOCK FILLER BASE
120	ELEC	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	PT-9 BLOCK FILLER BASE
C4	CORRIDOR	ERF-1, ERF-2	ERF-1/ERF-2	PT-2/PT-10	PT-2	PT-2	PT-2	EXPOSED	PT-4	PT-9 BLOCK FILLER BASE
C5	CORRIDOR	ERF-2	ERF-2	PT-2	PT-2	PT-2/CT-5	PT-2	EXPOSED	PT-4	PT-9 BLOCK FILLER BASE
E1	ELEV									FROM MANUFACTURER'S LINE
S2	STAIR	CS-1	PT-6	-	PT-1	PT-2	PT-2	EXPOSED	PT-5/PT-7	WALL GRAPHIC WEST WALL UPPER LEVEL
S3	STAIR	CS-1	PT-6	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	PT-9 BLOCK FILLER BASE
S4	STAIR	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	EXIST	
UPPER LEVEL										
201	BN COMMANDER OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 1 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
202	BN CSM OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS A/214-11, 12, 13, 14
203	BN OPS OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/WPLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS A/214-11, 12, 13, 14
204	BN ASST OPS OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS A/214-11, 12, 13, 14
205	BN EXEC OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS A/214-11, 12, 13, 14
206	BN OPSNCOIC OFFICE	CPT-1	WB-1	PT-2/WPLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS A/214-11, 12, 13, 14
207	FLEX OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
208	IT	SDT-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
209	BN COMMSEC OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
210	SIPR	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
211	BN OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
212	BN COLLAB STATIONS	CPT-1	RB-2	PT-2	PT-1/PT-10	PT-2	PT-2	ACT-1	-	ALL SOFFITS PT-10
213	HHC CDR & 1SG OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS A/214-11, 12, 13, 14
214	HHC UNIT ADM & READINESS NCO OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
215	HHC COLLAB	CPT-1	RB-2	PT-2	PT-2/PT-10	PT-2	PT-2	ACT-1	-	ALL SOFFITS PT-10
216	RECRUITING	CPT-1	RB-2	PT-10	WC-5	PT-2	PT-2	GWB-1	PT-5	ALL SOFFITS PT-10
217	HHC STOR	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	ALL SOFFITS PT-10
218	GENERAL STORAGE	CS-1	RB-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
219	LOBBY	CT-3	TB-2	PT-2	PT-1	PT-2	WC-6/PT-2	APC-2	PT-5/PT-7	CLOUDS PT-5, RAISED AREA OF CEILING PT-7
220	VESTIBULE	CPT-2	TB-2	PT-2	PT-2	EXIST	EXIST	GWB-1	PT-5	
221	BREAK	ERF-1	ERF-1	PT-2	PT-10	PT-2/CT-5	PT-2	ACT-1	-	T-6 BACKSPLASH, CABINETS PLAM-1 WITH SS-2 COUNTER
222	WELL	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
223	JAN	ERF-1	ERF-1	PT-2/SS-1	PT-2	PT-2/SS-1	PT-2	ACT-1	-	
224	COPY RM	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
225	STATE STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	EXPOSED	PT-4	
226	C-COMP CDR & 1SG OFFICE	CPT-1	WB-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	PT-2/PLAM-1	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS A/214-11, 12, 13, 14
227	C-COMP UNIT ADM & READINESS NCO OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	LEVEL 2 OFFICE FINISH, SEE TYPICAL PLAM WALL TREATMENT ELEVATIONS
228	C-COMPANY COLLAB	CPT-1	RB-2	PT-2	PT-2/PT-10	PT-2	PT-2	ACT-1	-	ALL SOFFITS PT-10
229	VEST	CT-7	TB-3	PT-2	PT-2	PT-2	PT-2	GWB-3	PT-5	
230	WOMEN'S LATRINE	CT-7	TB-1	CT-1/CT-2/GT-1	CT-1/CT-2/GT-1	CT-1/CT-2/GT-1/S-1	CT-1/CT-2/GT-1	GWB-3	PT-13	VANITY PLAM-1WITH SS-2 COUNTER, SHOWERS SS-1 AND FLOORS TO BE PANS, COORD WITH PLUMB
231	WOMEN'S GEAR STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2/WC-7	PT-2	EXPOSED	PT-7	
232	AUX GEAR STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2/WC-8	PT-2	EXPOSED	PT-7	
233	MEN'S LATRINE	CT-7	TB-1	CT-1/CT-2/GT-1	CT-1/CT-2/GT-1	CT-1/CT-2/CT-5/GT-1/SS-1	CT-1/CT-2/GT-1	GWB-3	PT-13	VANITY PLAM-1WITH SS-2 COUNTER, SHOWERS SS-1/SHOWER PANS, COORD WITH PLUMB
234	MEN'S GEAR STORAGE	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2/WC-9	EXPOSED	PT-4	
235	CONFERENCE	CPT-1	WB-1	PT-1	PT-1	PLAM-1	PLAM-1	GWB-1	PT-5	LEVEL 1 OFFICE FINISH, SEE TYPICAL PLAM TREATMENT ELEVATIONS
236	OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
237	OFFICE	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
238	FACILITIES MANAGER	CPT-1	RB-2	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
239	VEST	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	
C1	CORRIDOR	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	PT-9 BLOCK FILLER BASE
C2A	CORRIDOR	ERF-1	ERF-1	PT-2	PT-2	PT-2/CT-5	PT-2	ACT-1	-	PT-9 BLOCK FILLER BASE
C2B	CORRIDOR	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	PT-9 BLOCK FILLER BASE
C2C	CLOSET	ERF-1	ERF-1	PT-2	PT-2	PT-2	PT-2	ACT-1	-	

ROOM FINISH SCHEDULE GENERAL NOTES:

NOTE: ALL CMU WALLS SCHEDULED TO RECEIVE A PAINT FINISH MUST FIRST BE PRIMED WITH AN ACRYLIC BLOCK SURFACER (PT-9) TO PROVIDE A UNIFORM AND PROPER SURFACE PRIOR TO APPLYING THE FINAL PAINT FINISH AS SCHEDULED.

NOTE: FOR OFFICE FINISH LEVEL 1, MATCH THE FINISHES TO THOSE SHOWN IN THE SAMPLE LAYOUT OF THE ROOM BN COMMANDER OFFICE (201), REFERENCING ITS ELEVATION VIEWS.

NOTE: FOR OFFICE FINISH LEVEL 2, MATCH THE FINISHES TO THOSE SHOWN IN THE SAMPLE LAYOUT OF THE ROOM BN CSM OFFICE (202), REFERENCING ITS ELEVATION VIEWS.

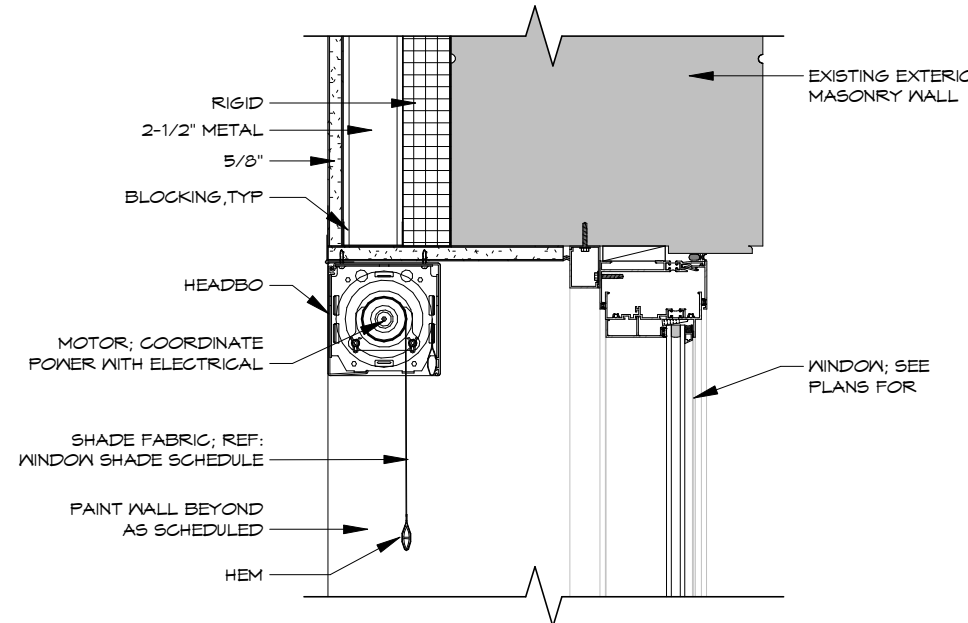
FINISH MATERIAL LEGEND

TAG	MANUFACTURER	DESCRIPTION	MODEL NO. / COLLECTION	COLOR	FINISH	TYPICAL LOCATION
ACOUSTICAL CEILING						
ACT-1	USG	SANDRIFT, SHADOWLINE, ACOUSTICAL PANELS WITH USG DONN BRAND CENTRICITEE DXT 9/16" ACOUSTICAL SUSPENSION SYSTEM	808	WHITE/ FLAT WHITE		CORRIDORS, OFFICES
ACT-2	USG	KITCHEN LAY IN PANELS, 24X24		WHITE		KITCHEN
APC-1	CERTAINTEE	DECOUSTICS CLARO	DIRECT MOUNT	PT-2	EG-SHELL	DRILL HALL AND COORIDOR
APC-2	ARMSTRONG	ACOUSTIBUILT SEAMLESS ACOUSTIC SYSTEM		WHITE		LOBBY
ATHLETIC FLOORING						
AF-1	MANNINGTON COMMERCIAL	ATHLETIC FLOOR	BURKE COLLECTION	BEIGE 824		FITNESS ROOM
CARPET						
CPT-1	MANNINGTON COMMERCIAL	TYPICAL OFFICE AND CONFERENCE ROOM PLANK CARPET	BOD: RENEUED REFINED	COLOR TO BE SELECTED BY OWNERS REPRESENTATIVE		OFFICES, CONFERENCE
CPT-2	SHAW CONTRACT	WELCOME II	57031	21649 CHARCOAL		VESTIBULE
CONCRETE						
CS-1	ARMORSEAL	CONCRETE SEALER	8100 HEAVY DUTY FLOOR COVERING			STORAGE/COPY ROOMS
EPOXY RESIN FLOORING						
ERF-1	STONEHARD	EPOXY RESIN FLOORING WITH INTEGRAL COVE BASE	STONTEC-TRF	AS SELECTED BY DIRECTOR'S REP		CORRIDORS, STORAGE
ERF-2	STONEHARD	EPOXY RESIN FLOORING WITH INTEGRAL COVE BASE	STONCLAD GS/STONKOTE GS4	AS SELECTED BY DIRECTOR'S REP		DRILL HALL
EXISTING MATERIALS						
EXIST	EXISTING	EXISTING MATERIALS AS NOTED IN THE SCHEDULE				VAULTS AND MECH ROOMS
FABRIC						
FAB-1	DRAPER	MANUAL FLEXSHADE 3% OPEN MESH		COLOR MATCHING PT-2		
PAINT						
PT-1	SHERWIN WILLIAMS	DRYWALL PAINT, INTERIOR LATEX PAINT	PROMAR 200	SW9136 LULLABY	EG-SHELL	LIGHT BLUE ACCENT WALLS
PT-2	SHERWIN WILLIAMS	DRYWALL PAINT, INTERIOR LATEX PAINT	PROMAR 200	SW7003 TOQUE WHITE	EG-SHELL	TYPICAL WALL PAINT
PT-3	NOT USED					
PT-4	SHERWIN WILLIAMS	EXPOSED METAL DECK, STRUCTURE, AND DUCTWORK PAINT	PRO INDUSTRIAL MULTI SURFACE ACRYLIC	SW7006 EXTRA WHITE		EXPOSED STRUCTURAL MEMBERS AND DECK
PT-5	SHERWIN WILLIAMS	DRYWALL CEILING PAINT, INTERIOR LATEX PAINT	PROMAR 200	SW7006 EXTRA WHITE	FLAT	
PT-6	SHERWIN WILLIAMS	METAL DOOR FRAME PAINT	K45-1150 SERIES	SW6244 NAVAL	SATIN	
PT-7	SHERWIN WILLIAMS	METAL DECK, STRUCTURE, EXPOSED DUCTWORK PAINT	PRO INDUSTRIAL MULTI SURFACE ACRYLIC	SW6243 DISTANCE	SATIN	CHARCOAL ALTERNATE
PT-8	NOT USED					
PT-9	SHERWIN WILLIAMS	LOXON MASONRY UNIT PAINT, ACRYLIC BLOCK SURFACER	LX01W0200	WHITE		AT ALL CMU WALLS SCHEDULED TO RECIEVE PAINT
PT-10	SHERWIN WILLIAMS	DRYWALL PAINT, INTERIOR LATEX PAINT	PROMAR 200	SW6243 DISTANCE	EG-SHELL	SOFFITS AND ACCENT WALLS
PT-11	SHERWIN WILLIAMS	MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS	PRO INDUSTRIAL DTM ACRYLIC	AS SELECTED BY DIRECTOR FROM MANUFACTURER'S AVAILABLE COLOR SELECTIONS	LOW SHEEN	
PT-12	SHERWIN WILLIAMS	CEILING DOOR PAINT	PRO INDUSTRIAL ACRYLIC COATING	SW6244 NAVAL	SATIN	EXISTING KITCHEN CEILING DOORS
PT-13	SHERWIN WILLIAMS	DRYWALL PAINT, INTERIOR ACRYLIC LATEX PAINT	SW7006 EXTRA WHITE	SW6244 NAVAL	SATIN	LATRINE/ DAMP AREA CEILINGS
PT-14	SHERWIN WILLIAMS	VAULT DOOR PAINT	GSA GRAY (AA-D-6000)			FEDERAL STANDARD FOR VAULT DOORS
PT-15	SHERWIN WILLIAMS	VAULT SIGNAL PAINT		FED STD 12246 OR RAL 2010		FEDERAL STANDARD FOR VAULT SIGNAL ORANGE
PLASITC LAMINATES						
PLAM-1	WILSONART	WOOD LAMINATE		7937-38 RIVER CHERRY		BREAKROOM CABINETS, LATRINE VANITIES
RESILIENT BASE						
RB-1	ROPPE	RESILIENT COVE BASE		123 CHARCOAL		CARPET AND CONCRETE FLOOR AREAS
RB-2	ROPPE	RESILIENT COVE BASE	TO BE SELECTED BY OWNERS REP	TO BE SELECTED BY OWNERS REP		
SOLID SURFACE						
SS-1	WILSONART	SOLID SURFACE SURROUNDS	I573MG	FROSTY WHITE MIRAGE		SHOWER WALLS
SS-2	COSENTINO	QUARTZ COUNTERS	SILESTONE	DESERT SILVER	POLISHED	LATRINES AND BREAKROOM
TILE						
CT-1	CAESAR US	PORCELAIN TILE, 6X24	WAVESCAPE	MALIBU	MATTE	LATRINE WALLS
CT-2	CAESAR US	PORCELAIN TILE, 12X24	WAVESCAPE	MALIBU	MATTE	LATRINE WALLS
CT-7	CAESAR US	PORCELAIN FLOOR TILE, 12X24	STONEWAYS	NIGHT	MATTE	LATRINE FLOOR
CT-4	AMERICAN OLEAN	CERAMIC WALL SUBWAY TILE, 4X4	COLOR STORY WALL	0081 MATTE DESIGNER WHITE	MATTE	
CT-5	AMERICAN OLEAN	CERAMIC WALL SUBWAY TILE, 4X12	COLOR STORY WALL	0117 NAVY	GLOSS	LATRINE SINK WALLS
CT-6	AMERICAN OLEAN	CERAMIC WALL SUBWAY TILE, 4X12	COLOR STORY WALL	0077 NAVEL	GLOSS	BREAK ROOM BACKSPLASH
CT-3	STONEPEAK	PORCELAIN FLOOR TILE, 12X24	URBAN 2.0	LAVA GRAY	HONED	LOBBY AND VESTIBULE
CT-8	MATCH EXISTING	CERAMIC WALL TILE, 4X4		MATCH EXISTING		MATCH EXISTING WALL TILE AT KITCHEN
GT-1	AMERICAN OLEAN	GLASS MOSSAIC TILE, 12X12, CUT TO 6" H ALIGN WITH ADJACENT TILE	ZEN	SERENTINA		MOSSAIC IN LATRINES
SDT-1A	ARMSTRONG	STATIC DISSIPATIVE TILE	EXCELON SD1	MALIBU		IT FLOORING
TB-1	CAESAR US	PORCELAIN FLOOR TILE BASE, 6X24 WITH SCHLUTER JOLLY	WAVESCAPE	MALIBU	MATTE	LATRINES
TB-2	CAESAR US	PORCELAIN TILE BULLNOSE BASE	STONEWAYS	NIGHT	MATTE	LATRINE VESTIBULES
TB-3	STONEPEAK	PORCELAIN TILE BULLNOSE BASE, 3X24	URBAN 2.0	LAVA GRAY	HONED	LOBBY AND VESTIBULE
WALL COVERING						
WC-1	KOROSEAL	DECORATIVE WALLCOVERING	CANOPY	LUNA C102-02		
WC-2	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNERS REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	MULTI PURPOSE
WC-3	NEKOOSA	VINYL GRAPHIC	TRIFECTA	COORDINATE IMAGE WITH OWNERS REPRESENTATIVE		DRILL HALL, LOW WALL GRAPHIC
WC-4	NEKOOSA	VINYL GRAPHIC	TRIFECTA	COORDINATE IMAGE WITH OWNERS REPRESENTATIVE		DRILL HALL, UPPER WALL GRAPHIC
WC-5	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNERS REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	RECRUITING
WC-6	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNERS REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	LOBBY
WC-7	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNERS REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	WOMEN'S GEAR STORAGE
WC-8	KOROSEAL	CUSTOM WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNERS REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	AUX GEAR STORAGE
WC-9	KOROSEAL	DIGITAL WALL GRAPHIC	DIGITAL LAB	COORDINATE IMAGE WITH OWNERS REPRESENTATIVE	PVC FREE FINE TEXTURE DS01-11	MEN'S GEAR STORAGE
WALL PROTECTION						
CG-1	INPRO CORPORATION	16 GAUGE STAINLESS STEEL, 3IN x 3IN x 60IN, MECHANICALLY FASTENED		STAINLESS STEEL	CLEAR FINISH	OUTSIDE CORNERS DRILL HALLS AND GEAR STORAGE CORRIDORS
CG-2	INPRO CORPORATION	16 GAUGE STAINLESS STEEL, 1.5IN x1.5IN MECHANICALLY FASTENED		STAINLESS STEEL	CLEAR FINISH	OUTSIDE CORNERS AT MULTIPURPOSE ROOMS AND OTHER "FRONT OF HOUSE SPACES" HEIGHT VARIES BY LOCATION REFER TO ELEVATIONS
WP-1	INPRO CORPORATION	18 GAUGE TYPE 304 STAINLESS STEEL DIAMOND PLATE WALL PANELS		STAINLESS STEEL	CLEAR FINISH	DRILL HALL COLUMN WRAP
WOOD						
WB-1		SOLID WOOD WALL BASE 4" H		MATCH LAMINATE WOOD SPECIES AND TONE IN PLAM-1		OFFICES/CONFERENCE
NOTE: ALL FINISHES INDICATED IN THE FINISH LEGEND AND ROOM FINISH SCHEDULE ARE TO BE CONSIDERED AS BASIS OF DESIGN. ONLY FINAL COLOR SELECTIONS MUST BE REVIEWED						

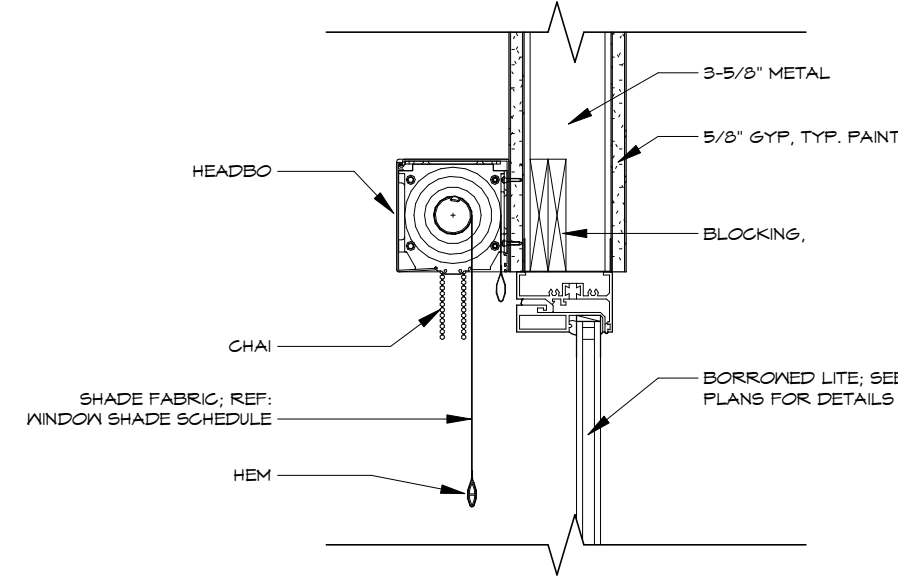
PANEL SIGN SCHEDULE					
ROOM NO.	ROOM NAME	SIGN TYPE	QTY	SIGN COPY	
				LINE ONE	LINE TWO
E1	ELEV	G	1	1	
LOWER LEVEL					
		C	1	KITCHEN	
		H	1		
101	EXISTING MECHANICAL	C	1	MECHANICAL	
102A	FACILITY STORAGE	C	1	FACILITY STORAGE	
102B	OUTDOOR EQUIPMENT STORAGE	C	1	OUTDOOR EQUIPMENT STORAGE	
102C	EXIT VESTIBULE	C	1	OUTDOOR EQUIPMENT	
103A	SCULLERY	C	1	KITCHEN	
104	GENERAL STORAGE	C	1	GENERAL STORAGE	
105	VEST	E	1	MEN'S LATRINE	
106	MEN'S LATRINE	C	1	MEN'S LATRINE	
107	JAN	C	1	JANITOR	
108	VEST	E	1	WOMEN'S LATRINE	
109	WOMEN'S LATRINE	E	1	WOMEN'S LATRINE	
110	FITNESS	C	1	FITNESS	
112	OFFICE	A	1	112	
113	EXISTING VAULT	C	1	VAULT	
114	EXISTING VAULT	C	1	VAULT	
116	C-COMPANY STORAGE	C	1	C-COMPANY STORAGE	
117	MULTI-PURPOSE	C	1		
117	MULTI-PURPOSE	C	1	MULTI-PURPOSE	
118	DRILL HALL	C	1	DRILL HALL	
120	ELEC	C	1	ELECTRICAL	
S3	STAIR	F	1	STAIR	
S4	STAIR	F	1	STAIR	
UPPER LEVEL					
		C	1	WOMEN'S GEAR STORAGE	
		E	1	MEN'S LATRINE	
201	BN COMMANDER OFFICE	A	1	201	
202	BN CSM OFFICE	A	1	202	
203	BN OPS OFFICE	A	1	203	
204	BN ASST OPS OFFICE	A	1	204	
205	BN EXEC OFFICE	A	1	205	
206	BN OPSNCOIC OFFICE	A	1	206	
207	FLEX OFFICE	A	1	207	
208	IT	C	1	IT	
209	BN COMMSEC OFFICE	A	1	209	
210	SIPR	A	1	210	
211	BM OFFICE	A	1	211	
212	BN COLLAB STATIONS	B	1	SUITE 212	
213	HHC CDR & 1SG OFFICE	A	1	213	
214	HHC UNIT ADM & READINESS NCO OFFICE	A	1	214	
215	HHC COLLAB	B	1	SUITE 215	
216	RECRUITING	B	1	SUITE 216	
217	HHC STOR	C	1	HHC STORAGE	
218	GENERAL STORAGE	C	1	GENERAL STORAGE	
219	LOBBY	J	1		DIRECTORY SIGNAGE
221	BREAK	C	1	BREAK ROOM	
222	WELL	C	1	WELLNESS	
223	JAN	C	1	CUSTODIAL	
224	COPY RM	C	1	COPY ROOM	
225	STATE STORAGE	C	1	STATE STORAGE	
226	C-COMP CDR & 1SG OFFICE	A	1	226	
227	C-COMP UNIT ADM & READINESS NCO OFFICE	A	1	227	
228	C-COMPANY COLLAB	B	1	SUITE 228	
229	VEST	E	1	WOMEN'S LATRINE	
230	WOMEN'S LATRINE	E	1	WOMEN'S LATRINE	
230	WOMEN'S LATRINE	E	1	WOMEN'S LATRINE	
231	WOMEN'S GEAR STORAGE	C	1	WOMEN'S GEAR STORAGE	
232	AUX GEAR STORAGE	C	1	AUX GEAR STORAGE	
232	AUX GEAR STORAGE	C	1	AUX GEAR STORAGE	
233	MEN'S LATRINE	E	1	MEN'S LATRINE	
234	MEN'S GEAR STORAGE	C	1	MEN'S GEAR STORAGE	
235	CONFERENCE	D	1	235	CONFERENCE ROOM
235	CONFERENCE	D	1	235	CONFERENCE ROOM
236	OFFICE	A	1	236	
237	OFFICE	A	1	237	
238	FACILITIES MANAGER	A	1	238	
239	VEST	H	1		
C2B	CORRIDOR	C	1	GEAR STORAGE	
C2C	CLOSET	C	1	UTILITY	
E1	ELEV	G	1		
S3	STAIR	F	1	STAIR	

ROLLER SHADE SCHEDULE					
ROOM NO.	ROOM NAME	SHADE TYPE	FINISH MATERIALS		QTY
			SHADE FABRIC	FASCIA / HEADBOX	
118	DRILL HALL	RS-1	FAB-1	PT-1	4
201	BN COMMANDER OFFICE	RS-2	FAB-1	PT-1	2
202	BN CSM OFFICE	RS-2	FAB-1	PT-1	1
203	BN OPS OFFICE	RS-2	FAB-1	PT-1	1
204	BN ASST OPS OFFICE	RS-2	FAB-1	PT-1	1
205	BN EXEC OFFICE	RS-2	FAB-1	PT-1	1
206	BN OPSNCOIC OFFICE	RS-2	FAB-1	PT-1	1
207	FLEX OFFICE	RS-2	FAB-1	PT-1	1
213	HHC CDR & 1SG OFFICE	RS-2	FAB-1	PT-1	1
214	HHC UNIT ADM & READINESS NCO OFFICE	RS-2	FAB-1	PT-1	1
216	RECRUITING	RS-2	FAB-1	PT-1	2
226	C-COMP CDR & 1SG OFFICE	RS-2	FAB-1	PT-1	1
227	C-COMP UNIT ADM & READINESS NCO OFFICE	RS-2	FAB-1	PT-1	2
228	C-COMPANY COLLAB	RS-2	FAB-1	PT-1	2
236	OFFICE	RS-2	FAB-1	PT-1	1
237	OFFICE	RS-2	FAB-1	PT-1	1
238	FACILITIES MANAGER	RS-2	FAB-1	PT-1	1

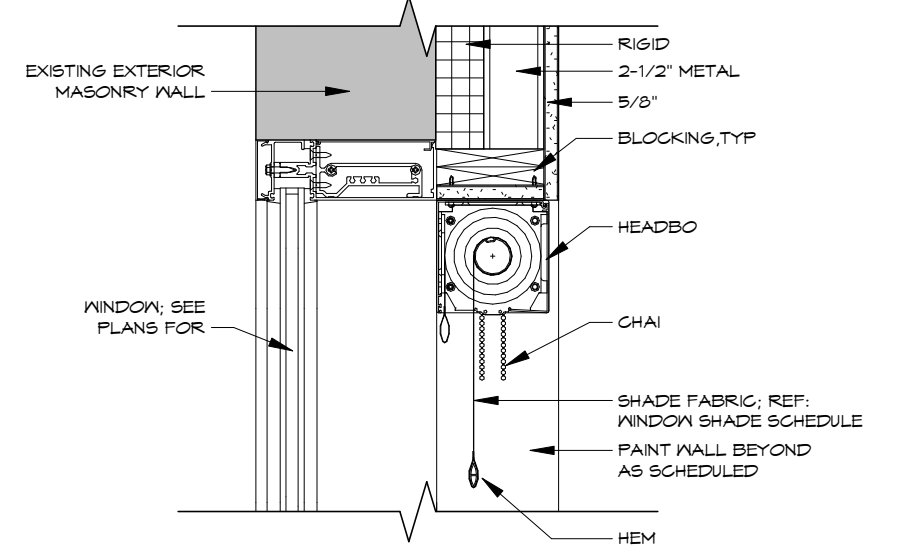
NOTES:
TYPE RS-1 SHADES ARE MOTORIZED SINGLE ROLLER. ALL MOTORIZED SHADE SHALL BE CONNECTED TO A DEDICATED POWER SOURCE AND INCLUDE THE NECESSARY CONTROLS. COORDINATE WITH E-CONTRACTOR.
TYPE RS-2 ARE MANUAL MANUAL SINGLE ROLLER SHADES.
MOUNTING HEIGHT, SHADE LENGTH, AND CONTROLS LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO INSTALLATION.
PROVIDE SUFFICIENT CLEARANCE FOR OPERATION AND MAINTENANCE SO THAT NO OBSTRUCTIONS INTERFERE WITH SHADE MOVEMENT.



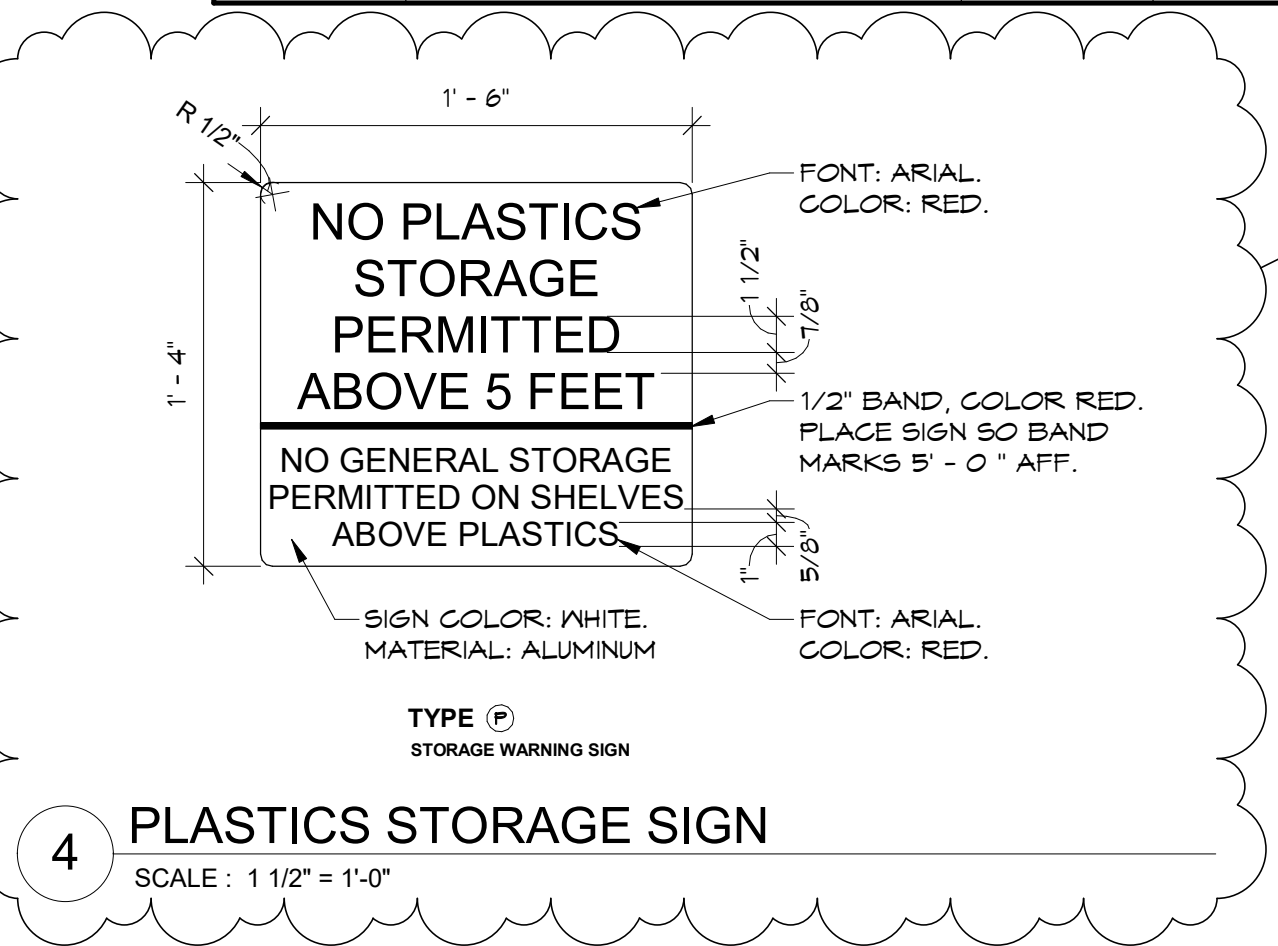
1 TYP ROLLER SHADE AT DRILL HALL EXTERIOR WINDOWS
SCALE : 1 1/2" = 1'-0"



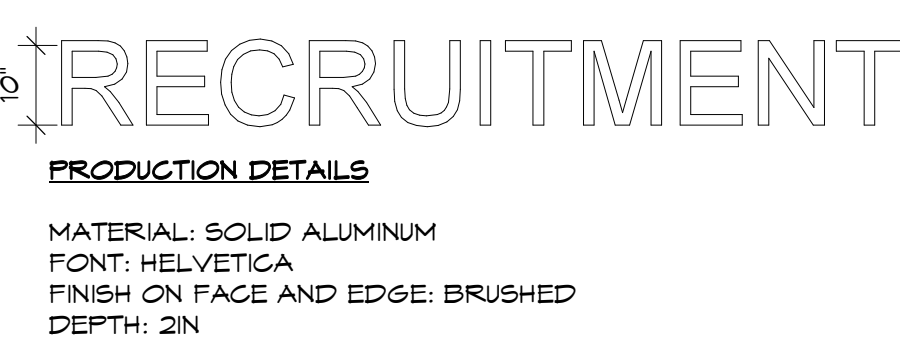
2 TYPICAL ROLLER SHADE AT BORROWED LITES
SCALE : 1 1/2" = 1'-0"



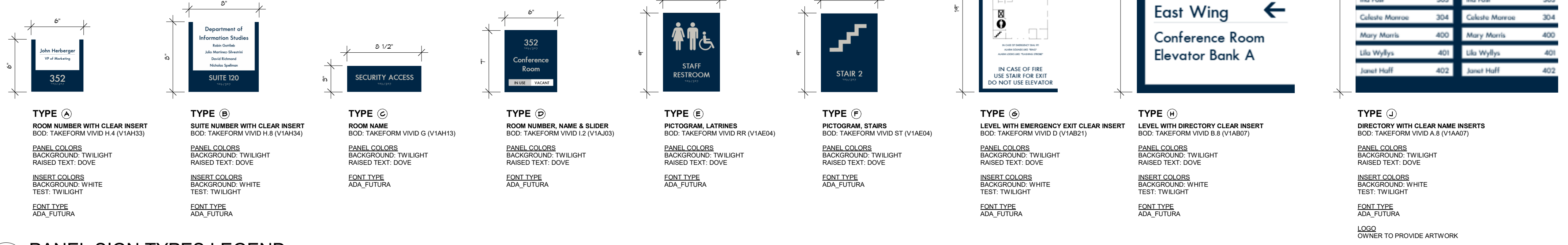
3 TYPICAL ROLLER SHADE AT EXTERIOR WINDOWS
SCALE : 1 1/2" = 1'-0"



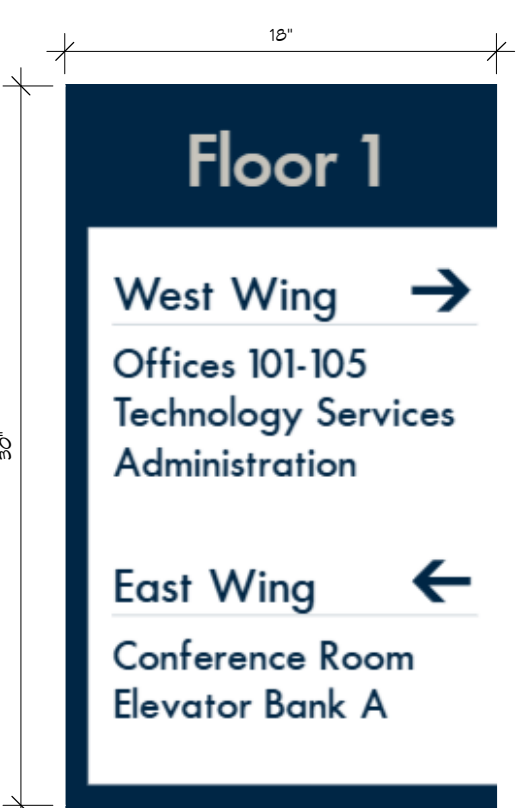
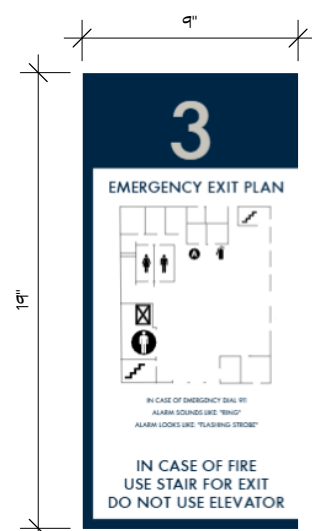
4 PLASTICS STORAGE SIGN
SCALE : 1 1/2" = 1'-0"



5 3D SIGN DETAIL - LOBBY 219 - NORTHWEST
SCALE : 1/2" = 1'-0"



6 PANEL SIGN TYPES LEGEND
SCALE : 1 1/2" = 1'-0"



Project Name		
2484 Exchange Street		
Betty Bowles	101	Betty Bowles
Carolyn Carter	102	Carolyn Carter
Virginia Thomas	103	Virginia Thomas
Hilared Whittum	104	Hilared Whittum
Ervelyn Goodrich	200	Ervelyn Goodrich
Marion Widd	201	Marion Widd
Dorothy Van Vorst	202	Dorothy Van Vorst
Hattie Barbeau	203	Hattie Barbeau
Gertrude Nells	204	Gertrude Nells
Gene Wardell	300	Gene Wardell
Gurth Padgham	301	Gurth Padgham
Art Guerra	302	Art Guerra
Ira Paul	303	Ira Paul
Calvary Monroe	304	Calvary Monroe
Mary Morris	400	Mary Morris
Lila Wyllis	401	Lila Wyllis
Janet Huff	402	Janet Huff

Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

re-habitat

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CONTRACT:

CONSTRUCTION

TITLE:

RENOVATE ARMORY

LOCATION:

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:

DIVISION OF MILITARY AND NAVAL AFFAIRS

PROJECT NUMBER:

47477-C

DESIGNED BY:

LS

DRAWN BY:

LS

FIELD CHECK:

JLP

APPROVED:

DKA

SHEET TITLE:

SIGN AND ROLLER SHADE TYPES & SCHEDULES

DRAWING NUMBER:

I-603

SHEET

104

OF

198

CONSULTANT

bell & spina

ARCHITECTS

A&J Consulting
Engineering Services, P.C.

ENERGY CODE COMPLIANCE STATEMENT:

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ELECTRICAL

TITLE: RENOVATE ARMORY

LOCATION: STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
4	09/23/2026	ADDENDUM 2
3	09/16/2026	ADDENDUM 1
2	07/20/2026	PERMIT AMENDMENT / BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-E

DESIGNED BY: DA

DRAWN BY: DA

FIELD CHECK: RW/HS

APPROVED: RW/HS

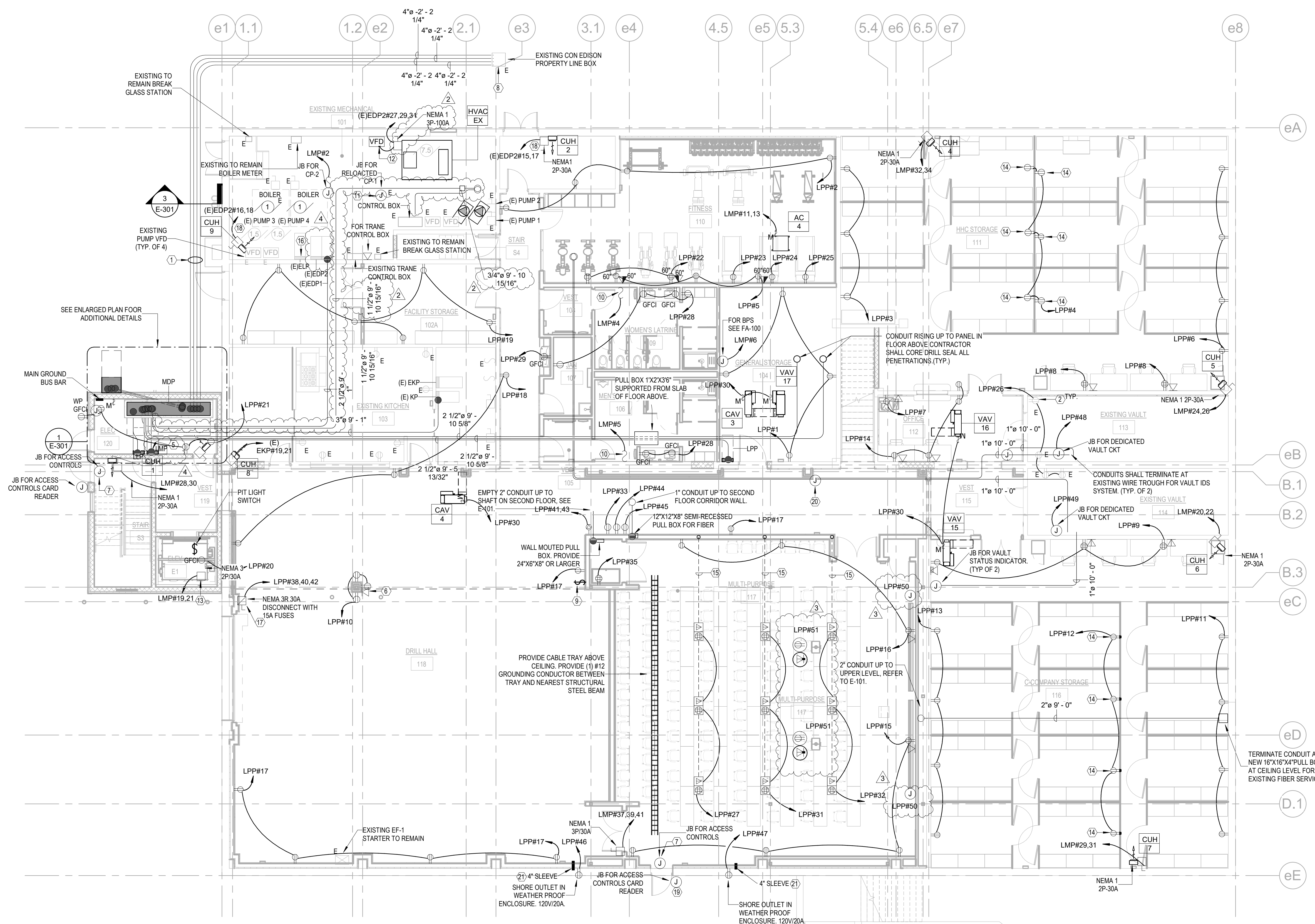
SHEET TITLE:

LOWER LEVEL POWER PLAN

DRAWING NUMBER:

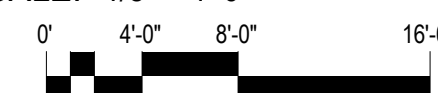
E-100

SHEET 179 OF 198



D 1 LOWER LEVEL

E-100 SCALE: 1/8" = 1'-0"



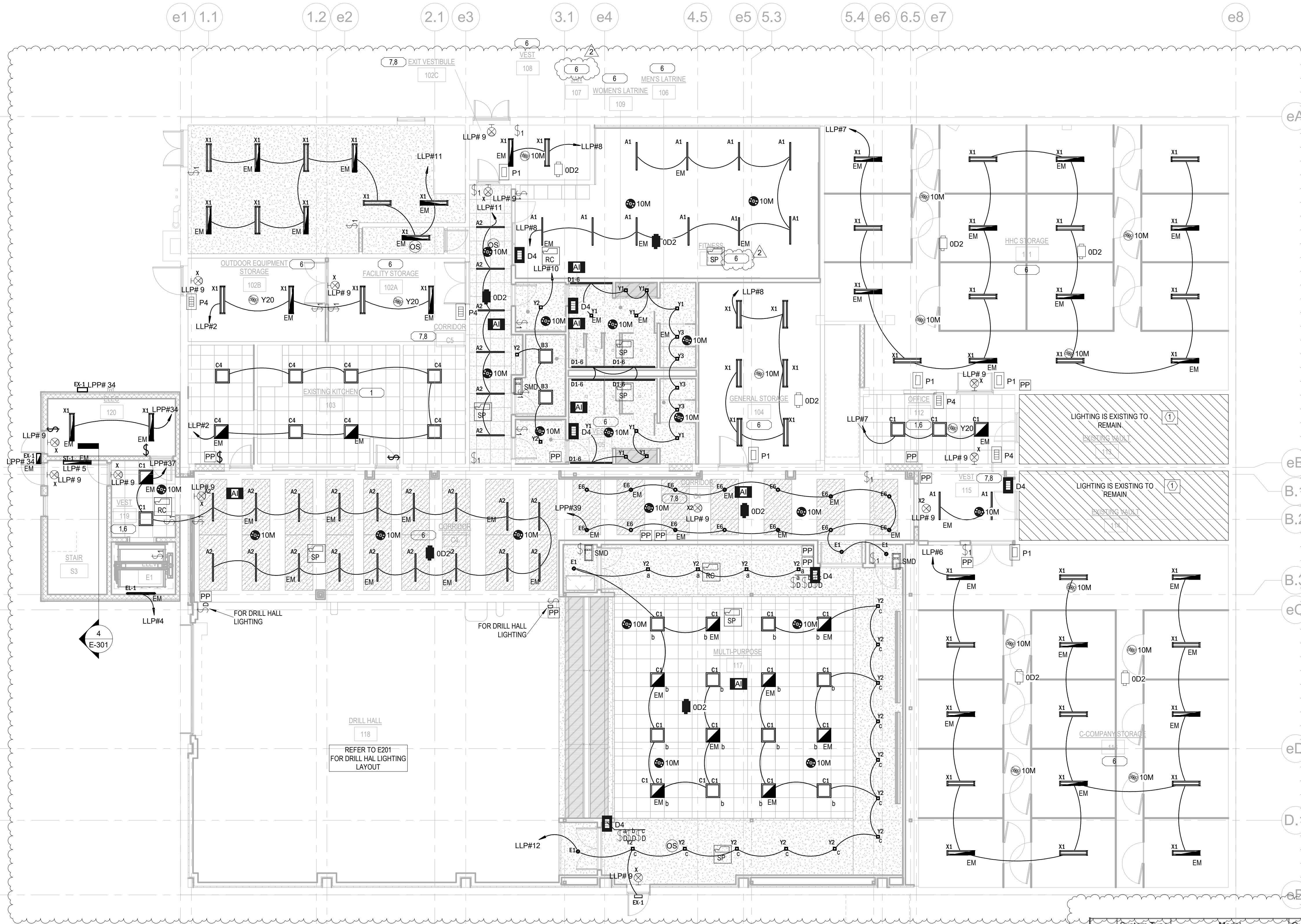
GENERAL NOTES:

- REFER TO E-001 FOR SYMBOLS, ABBREVIATIONS AND NOTES.
- REFER TO E-700 SERIES FOR TYPICAL DETAILS.
- REFER TO E-600 SERIES FOR PANEL SCHEDULES.
- REFER TO E-501 FOR SINGLE LINE.
- COORDINATE EXACT ROUTING OF CONDUITS IN THE FIELD.
- REFER TO DETAIL SHEET E-702 DETAIL 8 FOR SWITCHED RECEPTACLE WIRING DETAIL. COORDINATE EXACT WIRING NEEDED WITH LIGHTING CONTROLS SYSTEM MANUFACTURER.

E-100 KEY NOTES

- PROVIDE (4) 4" CONDUITS IN TRENCH AT MINIMUM 24" BELOW GRADE, FIELD COORDINATE EXACT ROUTING. REFER TO DRAWING E501.00 FOR ADDITIONAL NOTES AND E-301 DETAIL 3 FOR DUCTBANK DETAIL.
- RECONNECT EXISTING OUTLETS TO THE LPP PANEL USING THE NOTED CIRCUIT. WHERE SPLICING INTO THE EXISTING CIRCUIT IS NOT FEASIBLE DUE TO SITE CONDITIONS, PROVIDE A HOMERUN FROM THE PANEL TO THE OUTLETS.
- PROVIDE A 100A SHUNT TRIP BREAKER FOR ELEVATOR POWER IN PANEL LPP SPACE #49.51.53. PROVIDE CONDUIT AND WIRING FROM SHUNT TRIP BREAKER TO ELEVATOR CONTROLLER AND DISCONNECTS AS REQUIRED. SIZE WIRING PER SHUNT TRIP MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE DATA DROP FOR WIRELESS ACCESS POINT. PROVIDE NEMA 1 BOX WITH MOUNTING PLATE, AND COORDINATE EXACT MOUNTING HEIGHT WITH C-CONTRACTOR.
- PROVIDE 6"X8"X4" JUNCTION BOX ABOVE DOOR FOR LOW VOLTAGE WIRING BETWEEN CARD READER, DOOR STRIKES, AND SECURITY PANEL. PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING FROM JB TO THE SECOND FLOOR IT ROOM. REFER TO E701 DETAIL 3 FOR ADDITIONAL INFORMATION.
- PROPERTY LINE BOX SHALL BE MODIFIED AS NEEDED TO TERMINATE THE NEW SERVICE ENTRANCE CONDUCTORS. PROVIDE ANY PATCHING AND REPAIRS AS NEEDED AND COORDINATE CONDUIT TERMINATION REQUIREMENTS WITH CON EDISON SPECIFICATIONS.
- PROVIDE A 3-BUTTON RAISE/LOWER AND OPEN/CLOSE LOW VOLTAGE SWITCH FOR CONTROL OF SHADES. PROVIDE ALL REQUIRED CONTROL WIRING RECOMMENDED BY THE MANUFACTURER BETWEEN THE SHADE SWITCH AND THE SHADE MOTORS IN 3/4" CONDUIT.
- PROVIDE DISCONNECT SWITCH FOR HAND DRYER INSTALLED ABOVE THE CEILING. PROVIDE LABEL INDICATING "HAND DRYER DISCONNECT".
- RECONNECT THE BRANCH CIRCUIT FOR THE CIRCULATION PUMP. SPICE AND EXTEND EXISTING WIRING AS NEEDED. COORDINATE THE EXACT LOCATION WITH THE P-CONTRACTOR.
- PROVIDE POWER TO HVAC-1 VIA NEW VFD PROVIDED BY H-CONTRACTOR AND INSTALLED BY E-CONTRACTOR. PROVIDE A 3 POLE 100A CIRCUIT BREAKER IN SPACE MADE AVAILABLE BY REMOVAL OF EXISTING 40A BREAKER IN EXISTING EDP PANEL. THE EXACT LOCATION IN THE FIELD AND PROVIDE MOUNTING SUPPORTS AS NEEDED.
- PROVIDE NEMA 3R DISCONNECT FOR SUMP SP-1 AND ALL REQUIRED WIRING AND CONDUIT BETWEEN SWITCH AND PUMP CONTROLLER. INSTALL PUMP CONTROLLER, AND WIRING BETWEEN CONTROLLER AND SENSOR.
- SUPPORT RECEPTACLE BACKBOX AND RMC CONDUIT FROM CAGE STRUCTURE. COORDINATE EXACT LOCATION WITH C-CONTRACTOR BEFORE INSTALLING RECEPTACLE. WHERE NECESSARY, PROVIDE KINDORF SUPPORTS TO SUPPORT THE RECEPTACLE AND RACEWAY.
- PROVIDE (1) 3/4" CONDUIT FOR POWER AND (1) 1" CONDUIT FOR DATA IN TRENCH FROM WALL TO FLOOR BOX. STUB UP DATA CONDUIT ABOVE THE CEILING AND PROVIDE PLASTIC BUSHINGS WITH PULL STRING.
- SPLICE AND EXTEND EXISTING SITE LIGHTING CIRCUIT PROTECTED DURING REMOVAL WORK, AND RECONNECT IT TO AVAILABLE SPARE IN ELP.
- INSTALL THE ROLL-UP DOOR CONTROL SWITCH AND PROVIDE ALL WIRING AND CONDUIT BETWEEN THE MOTOR DISCONNECT SWITCH AND THE ROLL-UP DOOR CONTROL SWITCH. COORDINATE ALL WIRING REQUIREMENTS WITH MANUFACTURER'S INSTALLATION PROCEDURES.
- PROVIDE (1) 2P-20A CIRCUIT IN SPARE MADE AVAILABLE BY REMOVAL WORK IN PANEL (E)EDP2 FOR POWER TO CUH.
- PROVIDE A WALL MOUNTED NEMA 4X BOX FOR CARD READER. CORE DRILL EXTERIOR WALL AND PROVIDE A 3/4" CONDUIT FOR WIRING BETWEEN THE CARD READER AND THE JUNCTION BOX ABOVE DOOR FRAME. PROVIDE LINK-SEAL OR OTHER EQUIVALENT SEALANT METHOD TO ENSURE A WATERTIGHT PENETRATION.
- JB FOR CAMERA. PROVIDE 3/4" EMPTY CONDUIT WITH PULL STRING AND PLASTIC BUSHINGS FROM CAMERA LOCATION TO IT ROOM ON THE SECOND FLOOR.
- PROVIDE 4" SLEEVES CAPED ON BOTH ENDS. PROVIDE LINK-SEALS AND ENSURE WATER TIGHT PENETRATION OF EXISTING EXTERIOR WALL. COORDINATE WORK WITH C-CONTRACTOR AND OTHER TRADES.

TERMINATE CONDUIT AT NEW 16"X16"X4" PULL BOX AT CEILING LEVEL FOR EXISTING FIBER SERVICE.



GENERAL NOTES:

1. REFER TO E001.00 FOR SYMBOLS, ABBREVIATIONS, NOTES AND LIGHTING CONTROL SCHEDULE.
2. REFER TO E700 SERIES FOR TYPICAL DETAILS.
3. REFER TO E600 SERIES FOR PANEL SCHEDULES.
4. REFER TO E502.00 FOR LIGHTING FIXTURE SCHEDULE.

E-200 KEY NOTES

- 1 RECONNECT EXISTING FIXTURES TO PANE ELP CIRCUIT #4 WITH 2#12-1#12G IN 3/4" CONDUIT.

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ELECTRICAL

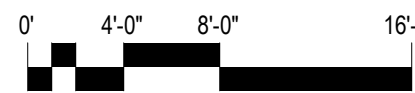
RENOVATE ARMORY

STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

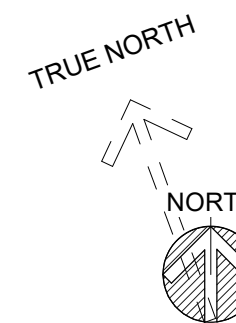
DIVISION OF MILITARY AND NAVAL AFFAIRS

LIGHTING CONTROL SEQUENCE OF OPERATION		
REQUIRED CONTROL OPERATION	DESCRIPTION	
1 RESTRICTED TO MANUAL ON	NONE OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON.	
2 BILEVEL LIGHTING CONTROL	CONTROL GENERAL LIGHTING TO PROVIDE CONTINUOUS DIMMING, AS WELL AS FULL-ON AND FULL-OFF OPERATION.	
3 AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR PRIMARY SIDELIGHTING AREAS	CONTROL GENERAL LIGHTING IN PRIMARY SIDELIGHTED AREAS VIA PHOTOCONTROLS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.	
4 AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR SECONDARY SIDELIGHTING AREAS	CONTROL GENERAL LIGHTING IN SECONDARY SIDELIGHTED AREAS VIA PHOTOCONTROLS. USE PHOTOCONTROLS THAT ARE INDEPENDENT FROM THOSE IN PRIMARY SIDELIGHTED AREAS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.	
5 AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR TOPLIGHTING	CONTROL GENERAL LIGHTING IN PRIMARY TOPLIGHTED AREAS VIA PHOTOCONTROLS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.	
6 AUTOMATIC FULL OFF	AUTOMATICALLY SHUT OFF ALL LIGHTING FIXTURES WITHIN 20 MINUTES AFTER ALL OCCUPANTS LEAVE THE SPACE.	
7 PARTIAL OFF	AUTOMATICALLY DIMM FIXTURES TO 50% WITHIN 20 MINUTES AFTER ALL OCCUPANTS LEAVE THE SPACE.	
8 SCHEDULED SHUTOFF	ALL LIGHTING IN THE SPACE SHALL BE AUTOMATICALLY SHUT OFF DURING PERIODS WHEN THE SPACE IS SCHEDULED TO BE UNOCCUPIED.	
N/A 20A SNAP SWITCH TO SERVE ROOM.	PROVIDE 20A 1P SNAP SWITCH TO ENABLE LIGHTING CONTROL FUNCTIONALITY WITHIN THE SPACE.	

D 1 LOWER LEVEL
E-200 SCALE: 1/8" = 1'-0"



System Type	Model	Quantity	Description
D4	1,DRKDN-C4W;1.80301-0SW;	6	Keypad, 4-Button, On, Raise, Lower, Off
RC	DRC07-ED0	3	Line Voltage Room Controller
SP	DRD07-ED0	7	Smart Pack Relay 0-10V Dimmer
AI	DRID0-C02	7	2 Analog Input Interface
OD2	OPP20-0D2	5	Standard Power Pack
10M	OSC10-MWW	21	Occ Sensor, MT, 1000 sq ft
OD2	OPP20-0D2	6	Standard Power Pack
10M	LV Sensor	11	Occ Sensor, MT, 1000 sq ft
P1	PLVSW-1LW	5	Switch, LV, 1B
Y20	Smart CMS	3	Smart Room Controller, MT, 0-10V, 2Z
P4	Smart CMS	4	Switch, LV, 4B
SMD	Smart WB	3	Smart Sensor, MT, White



LOWER LEVEL LIGHTING PLAN

DRAWING NUMBER:

E-200

CONSULTANT

bell & spina
ARCHITECTS

A&J Consulting
Engineering Services, P.C.

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ELECTRICAL

TITLE:
RENOVATE ARMORY

LOCATION:
STATE ARMORY
2 QUINCY PLACE
YONKERS, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL
AFFAIRS

MARK	DATE	DESCRIPTION
4	09/23/2026	ADDENDUM 2
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER:
47477-E

DESIGNED BY: DA

DRAWN BY: DA

FIELD CHECK: RW/HS

APPROVED: RW/HS

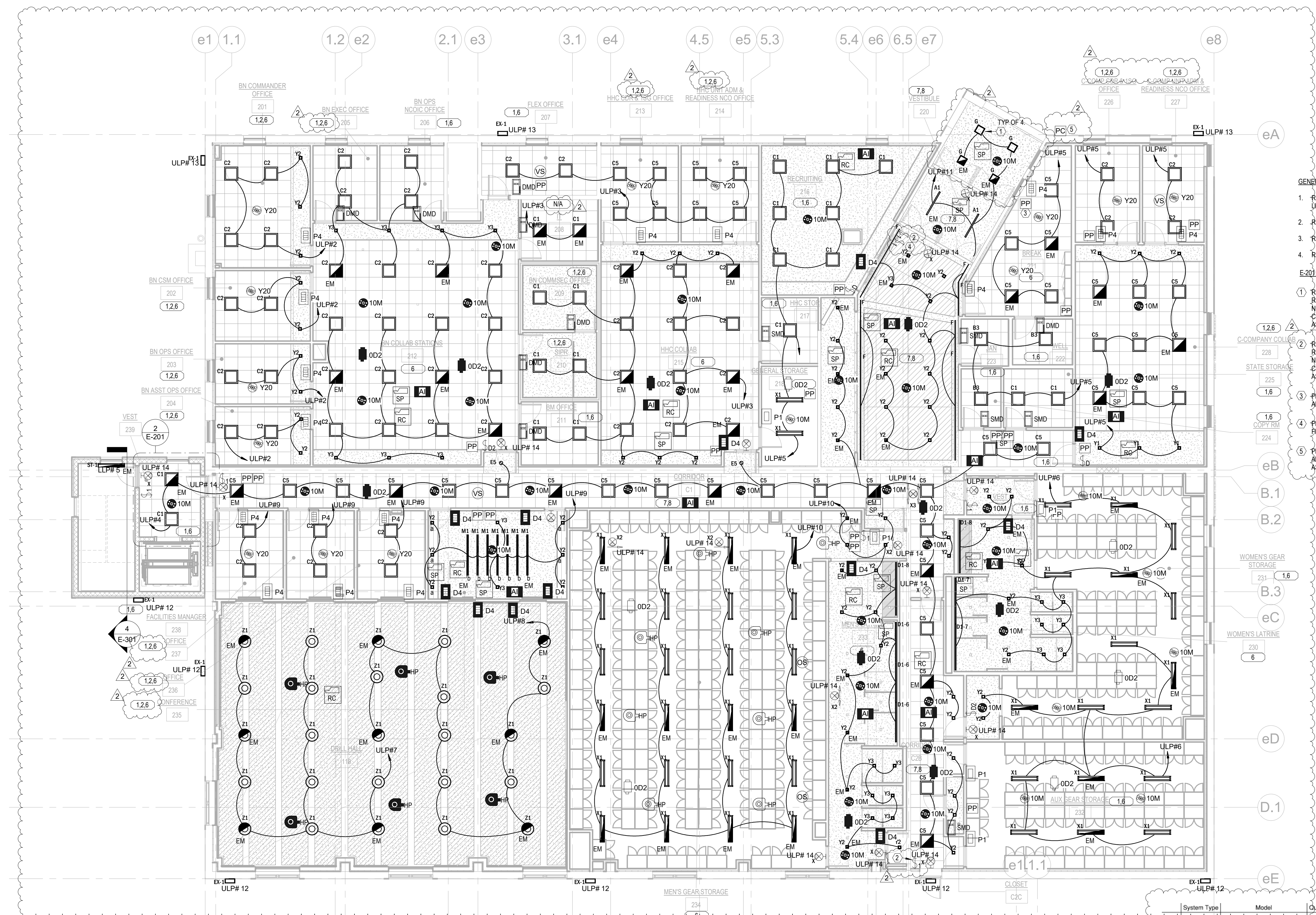
SHEET TITLE:

UPPER LEVEL LIGHTING
PLAN

DRAWING NUMBER:

E-201

SHEET 183 OF 198



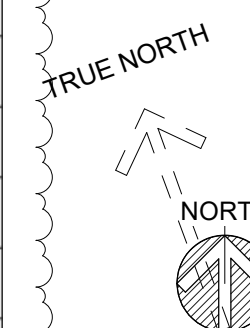
D 1 UPPER LEVEL
E-201 SCALE: 1/8" = 1'-0"



REQUIRED CONTROL OPERATION	DESCRIPTION
1 RESTRICTED TO MANUAL ON	NONE OF THE LIGHTING SHALL BE AUTOMATICALLY TURNED ON.
2 BILEVEL LIGHTING CONTROL	CONTROL GENERAL LIGHTING TO PROVIDE CONTINUOUS DIMMING, AS WELL AS FULL-ON AND FULL-OFF OPERATION.
3 AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR PRIMARY SIDELIGHTING AREAS	CONTROL GENERAL LIGHTING IN PRIMARY SIDELIGHTED AREAS VIA PHOTOCONTROLS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.
4 AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR SECONDARY SIDELIGHTING AREAS	CONTROL GENERAL LIGHTING IN SECONDARY SIDELIGHTED AREAS VIA PHOTOCONTROLS. USE PHOTOCONTROLS THAT ARE INDEPENDENT FROM THOSE IN PRIMARY SIDELIGHTED AREAS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.
5 AUTOMATIC DAYLIGHT RESPONSIVE CONTROLS FOR TOLIGHTING	CONTROL GENERAL LIGHTING IN PRIMARY TOLIGHTED AREAS VIA PHOTOCONTROLS. CALIBRATE LIGHTING POWER THROUGH CONTINUOUS DIMMING USING PHOTOCONTROLS.
6 AUTOMATIC FULL OFF	AUTOMATICALLY SHUT OFF ALL LIGHTING FIXTURES WITHIN 20 MINUTES AFTER ALL OCCUPANTS LEAVE THE SPACE.
7 PARTIAL OFF	AUTOMATICALLY DIMM FIXTURES TO 50% WITHIN 20 MINUTES AFTER ALL OCCUPANTS LEAVE THE SPACE.
8 SCHEDULED SHUTOFF	ALL LIGHTING IN THE SPACE SHALL BE AUTOMATICALLY SHUT OFF DURING PERIODS WHEN THE SPACE IS SCHEDULED TO BE UNOCCUPIED.
N/A 20A SNAP SWITCH TO SERVE ROOM.	PROVIDE 20A 1P SNAP SWITCH TO ENABLE LIGHTING CONTROL FUNCTIONALITY WITHIN THE SPACE.

D 2 ROOF - BULKHEAD EXTERIOR LIGHTING
E-201 SCALE: 1/4" = 1'-0"

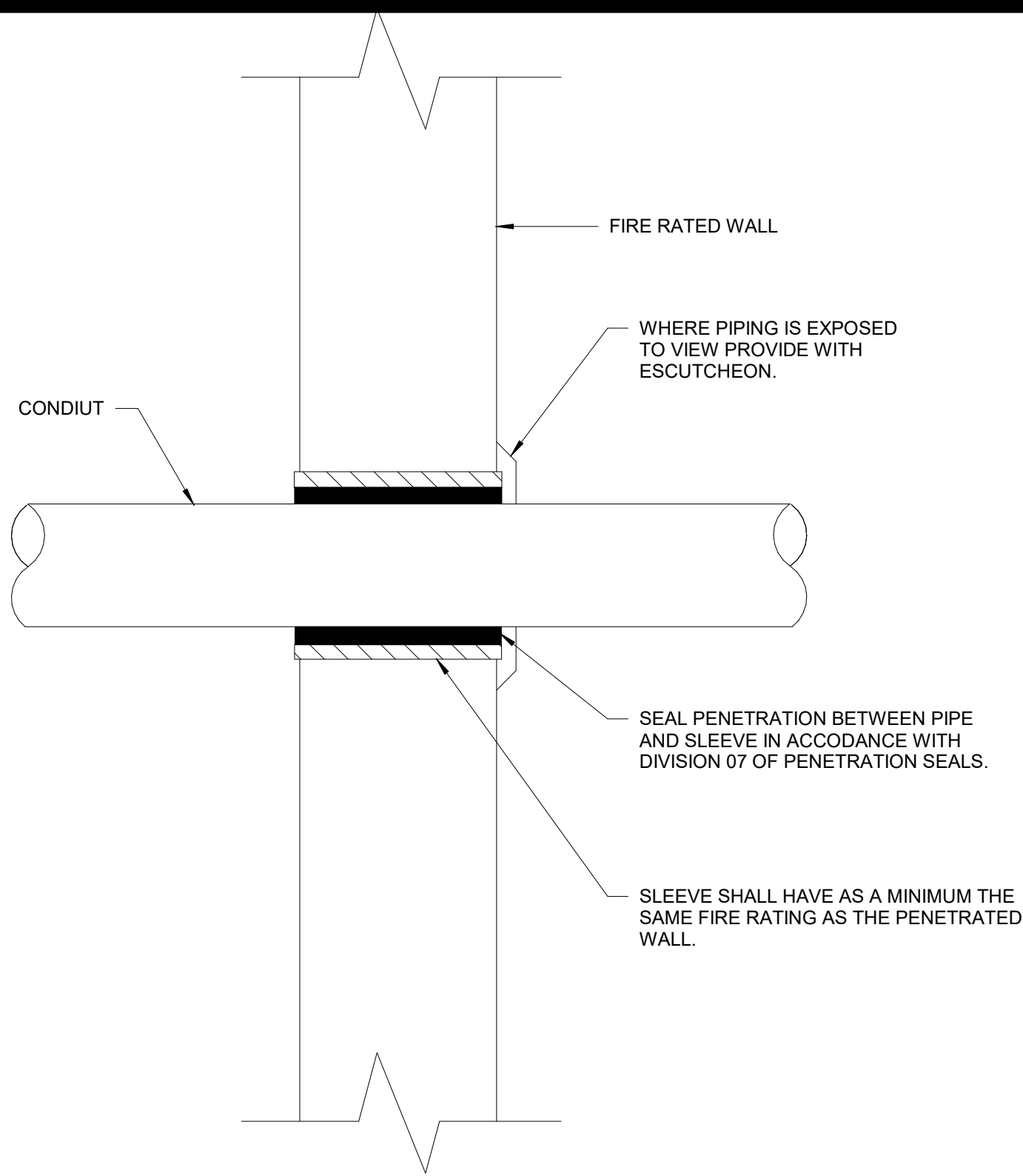
System Type	Model	Quantity	Description
D4 DRC	1.DRKN-C4W1, 80301-0SW	12	Keypad, 4-Button, On, Raise, Lower, Off
RC DRC	DRD07-ED0	10	Line Voltage Room Controller
SP DRC	DRD07-ED0	15	Smart Pack Relay 0-10V Dimmer
AI DRC	DRID0-C02	11	2 Analog Input Interface
OD2 DRC	OPP20-OD2	11	Standard Power Pack
10M DRC	OSC10-MWW	36	Occ Sensor, MT, 1000 sq ft
HP DRC	OSFHP-ILW	6	Occ Sensor, PIR, High Bay
OD2 LV Sensor	OPP20-OD2	6	Standard Power Pack
10M LV Sensor	OSC10-MWW	7	Occ Sensor, MT, 1000 sq ft
HP LV Sensor	OSFHP-ILW	8	Occ Sensor, PIR, High Bay
P1 LV Sensor	PLVSW-1LW	5	Switch, LV, 1B
Y20 Smart CMS	ACY20-DMW	13	Smart Room Controller, MT, 0-10V, 2Z
P4 Smart CMS	PLVSW-4LW	16	Switch, LV, 4B
DMD Smart WB	ODDMT-MDW	8	Smart Sensor, Dimmer, MT, White
SMD Smart WB	ODSMT-MDW	5	Smart Sensor, MT, White



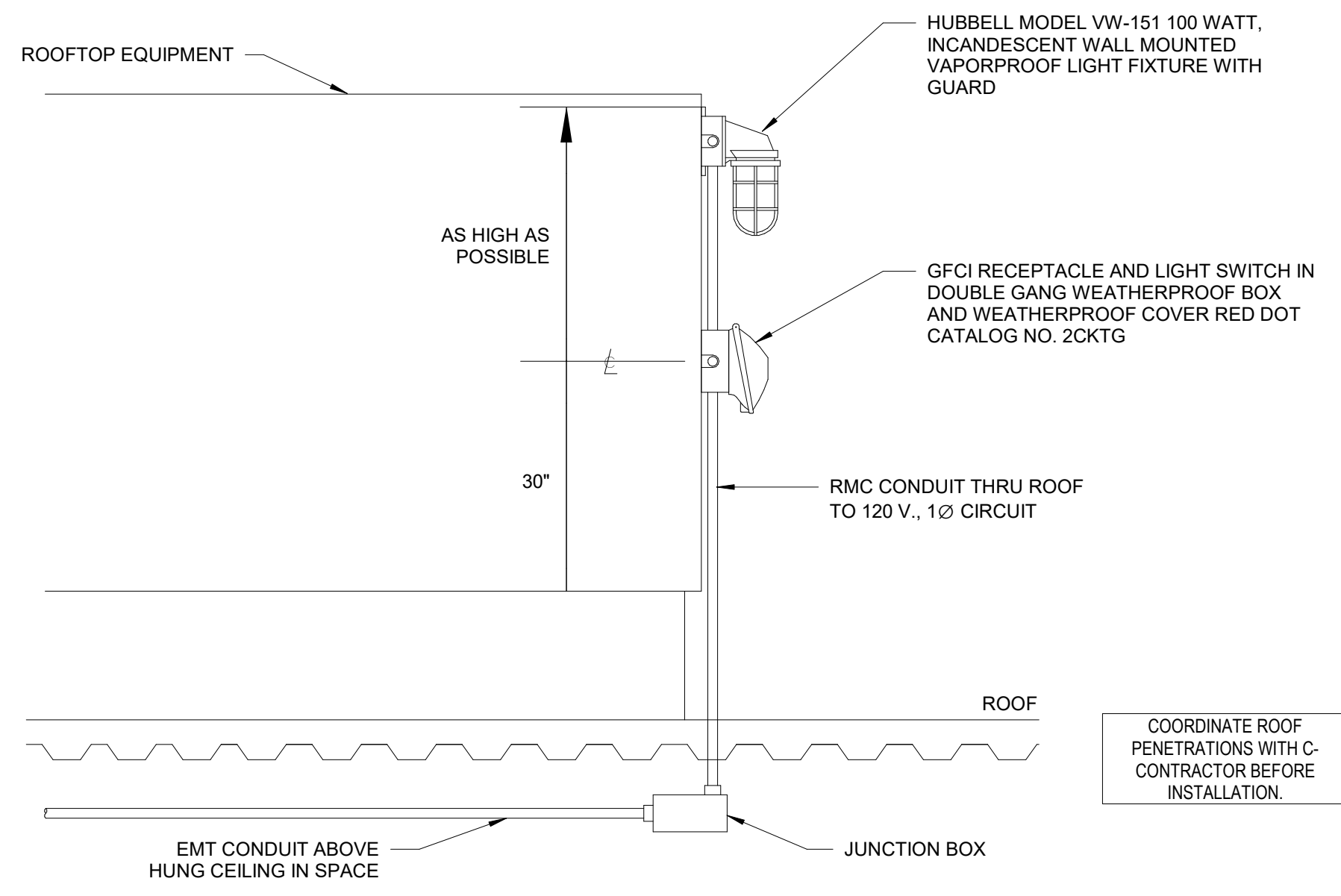
PANELBOARD:										LLP									
LOCATION: ELEC 120										VOLTAGE: 120/208 Wye									
FED FROM: MDP										PHASES: 3									
MOUNTING TYPE: SURFACE										WIRE#: 4									
										A.I.C. RATING: 22									
										BUS RATING 200A									
										ENCLOSURE: Type 1									
CKT	CIRCUIT DESCRIPTION	WIRE SIZE		OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE		CIRCUIT DESCRIPTION		CKT	
1	FACP	2#12+1#12G IN 3/4"C		20 A	1	500	542					1	20 A	2#12+1#12G IN 3/4"C		LTG- 102B,102A		2	
3	LTG - MULTI PURPOSE 117	2#10+1#10G IN 3/4"C		20 A	1			359	42			1	20 A	2#12+1#12G IN 3/4"C		LTG ELEVATOR PIT		4	
5	LTG - STAIR	2#12+1#12G IN 3/4"C		20 A	1						202	471	1	20 A	2#12+1#12G IN 3/4"C		LTG-111,116		6
7	LTG,112	2#10+1#10G IN 3/4"C		20 A	1	598	565						1	20 A	2#12+1#12G IN 3/4"C		LTG FITNESS 110, STORAGE....		8
9	EXIT SIGNS FIRST FL	2#12+1#12G IN 3/4"C		20 A	1			230	616			1	20 A	2#12+1#12G IN 3/4"C		LTG - RM 0109,106, 108		10	
11	LTG - RM 102B , 102A	2#12+1#12G IN 3/4"C		20 A	1					502	541	1	20 A	2#12+1#12G IN 3/4"C		LTG - RM 117		12	
13	Lighting			20 A	1	1,500												14	
15																		16	
17																		18	
19																		20	
21																		22	
23																		24	
25																		26	
27																		28	
29																		30	
TOTAL VA:						3692 VA		1240 VA		1711 VA									
TOTAL AMPS:						31 A		10 A		15 A									
LOAD CLASSIFICATION				CONN. LOAD			DEMAND FACTOR			EST. DEMAND			TOTALS						
HVAC				500 VA			100.00%			500 VA			TOTAL CONN. VA: 6642 VA						
Lighting - Dwelling Unit				50 VA			100.00%			50 VA			TOTAL CONN. AMPS: 18 A						
Other				1766 VA			100.00%			1766 VA			TOTAL DEMAND VA: 6642 VA						
Lighting				4332 VA			100.00%			4332 VA			TOTAL EST. DEMAND AMPS: 18 A						

PANELBOARD:										(E)EDP1									
LOCATION: EXISTING MECHANICAL 101										VOLTAGE: 120/208 Wye									
FED FROM: MDP										PHASES: 3									
MOUNTING TYPE: SURFACE										WIRE#: 4									
CKT	CIRCUIT DESCRIPTION	WIRE SIZE		OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE		CIRCUIT DESCRIPTION		CKT	
1						6,000						3	150 A	EXISTING		(E) EKP		2	
3								8,000										4	
5										7,000								6	
7						552		0										8	
9	EXISTING PUMP 1	--		15 A	3			552		0		3	20 A	--		Spare		10	
11						552		3,360										12	
13								552		3,360		3	50 A	4#6+1#10G IN 1"C		HV-2		14	
15	EXISTING BOILER	--		15 A	3			552		3,360								16	
17								552		3,360								18	
19						360												20	
21	EF-7	3#12+1#12G IN 3/4"C		15 A	3			360										22	
23								360										24	
		TOTAL VA:		34564 VA		35564 VA		36064 VA											
		TOTAL AMPS:		288 A		298 A		302 A											
LOAD CLASSIFICATION		CONN. LOAD		DEMAND FACTOR		EST. DEMAND		TOTALS											
HVAC		10080 VA		100.00%		10080 VA		TOTAL CONN. VA: 106192 VA											
Heating		25080 VA		100.00%		25080 VA		TOTAL CONN. AMPS: 295 A											
Spare		68872 VA		100.00%		68872 VA		TOTAL DEMAND VA: 106192 VA											
MOTORS		2160 VA		100.00%		2160 VA		TOTAL EST. DEMAND AMPS: 295 A											

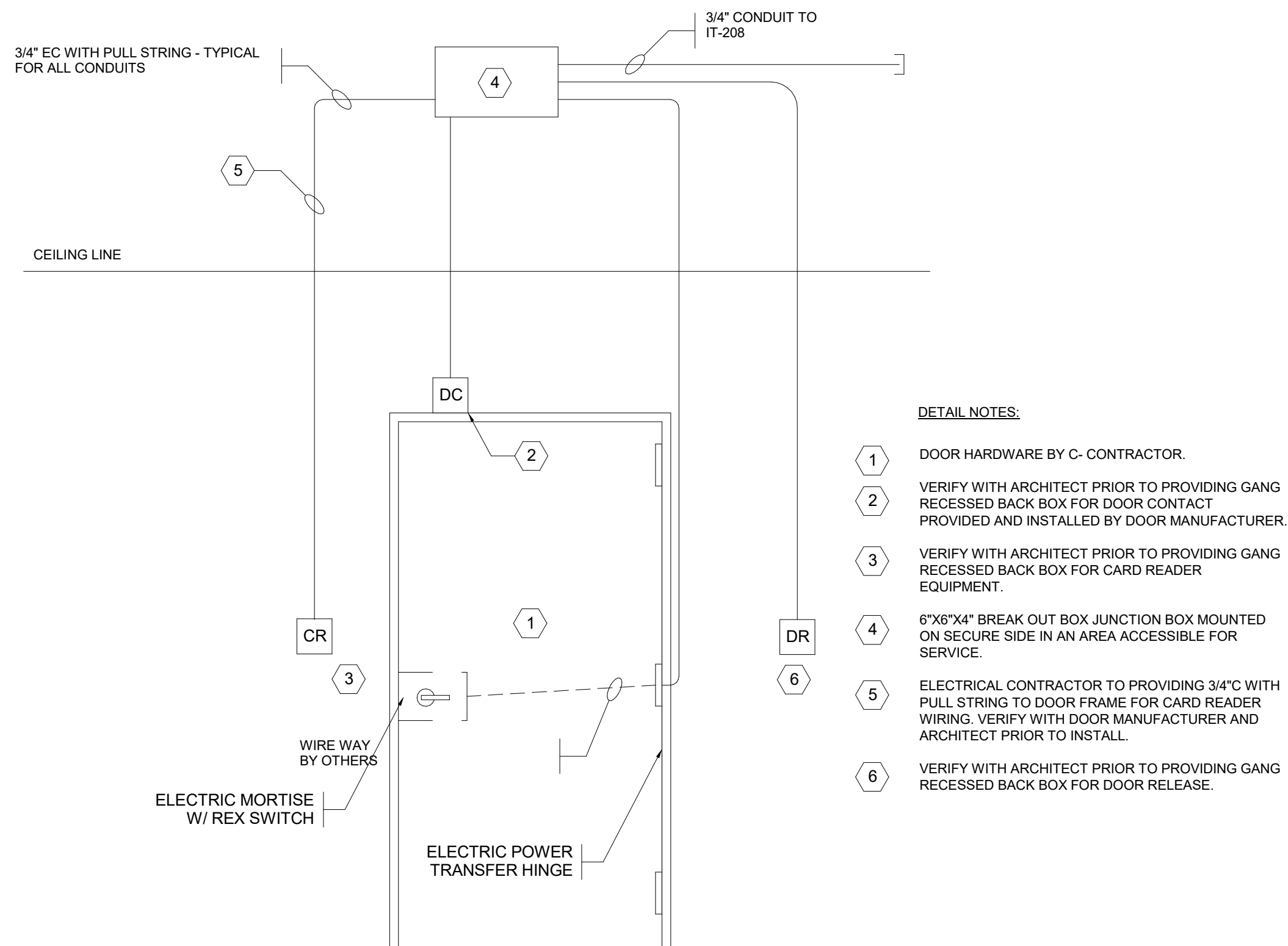
PANELBOARD:										(E)EDP2									
LOCATION: EXISTING MECHANICAL 101										VOLTAGE: 120/208 Wye									
FED FROM: (E)EDP1										PHASES: 3									
MOUNTING TYPE: SURFACE										WIRE#: 4									
A.I.C. RATING: 22K										BUS RATING: 400A									
ENCLOSURE: Type 1																			
CKT	CIRCUIT DESCRIPTION	WIRE SIZE	OCP	POLE	A		B		C		POLE	OCP	WIRE SIZE	CIRCUIT DESCRIPTION	CKT				
1	SPACE	--	20 A	1	0	--	1,920	1,920			1	--	--	SPACE	2				
3															4				
5	EXISTING	--	20 A	3					1,920	1,920	3	20 A	--	EXISTING LOAD	6				
7					1,920	1,920									8				
9							1,920	1,920							10				
11	EXISTING LOAD	--	20 A	3					1,920	1,920	3	20 A	--	EXISTING LOAD	12				
13					1,920	1,920									14				
15	CUH-2	2#10+1#10G IN 3/4"	20 A	2			1,000	1,000			2	20 A	2#12+1#12G IN 3/4"	CUH-9	16				
17									1,000	1,000					18				
19															20				
21							1,920	1,920							22				
23	EXISTING LOAD	--	20 A	3					1,920	1,920	3	20 A	--	EXISTING LOAD	24				
25					1,920	1,920									26				
27							6,360	2,860							28				
29	HVAC-1	3#3+1#8G IN 1 1/4"	90 A	3					6,360	4,360	3	100 A	EXISTING	(E)ELP	30				
31					6,360	5,860									32				
TOTAL VA:					23740 VA		22740 VA		24240 VA										
TOTAL AMPS:					199 A		190 A		203 A										
LOAD CLASSIFICATION					CONN. LOAD		DEMAND FACTOR		EST. DEMAND		TOTALS								
Heating					23080 VA		100.00%		23080 VA		TOTAL CONN. VA: 70720 VA								
Spare					46560 VA		100.00%		46560 VA		TOTAL CONN. AMPS: 196 A								
MOTORS					1080 VA		100.00%		1080 VA		TOTAL DEMAND VA: 70720 VA								
											TOTAL EST. DEMAND AMPS: 196 A								



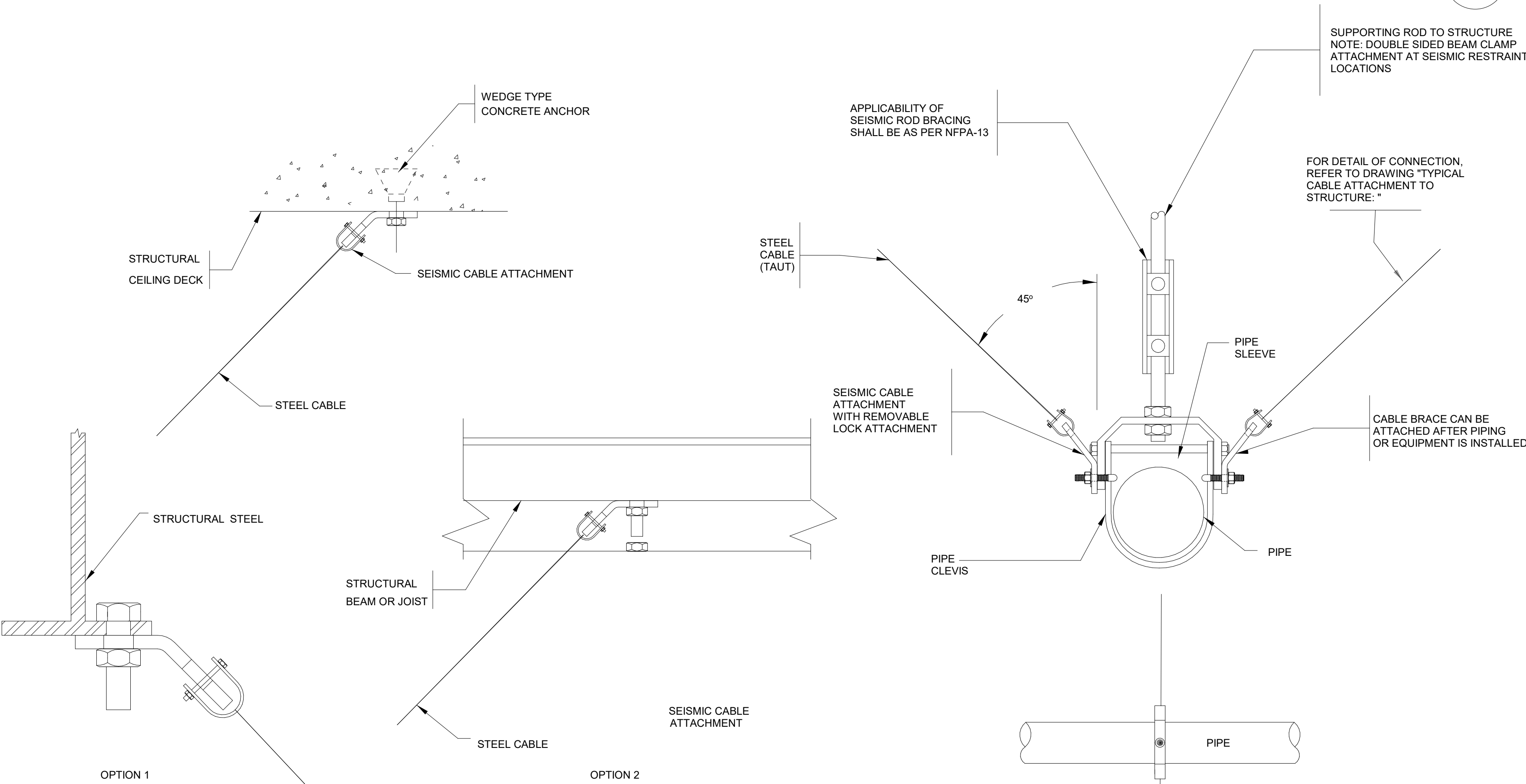
D 1 FIRE RATED CONDUIT PENETRATION
E-701 SCALE: N.T.S.



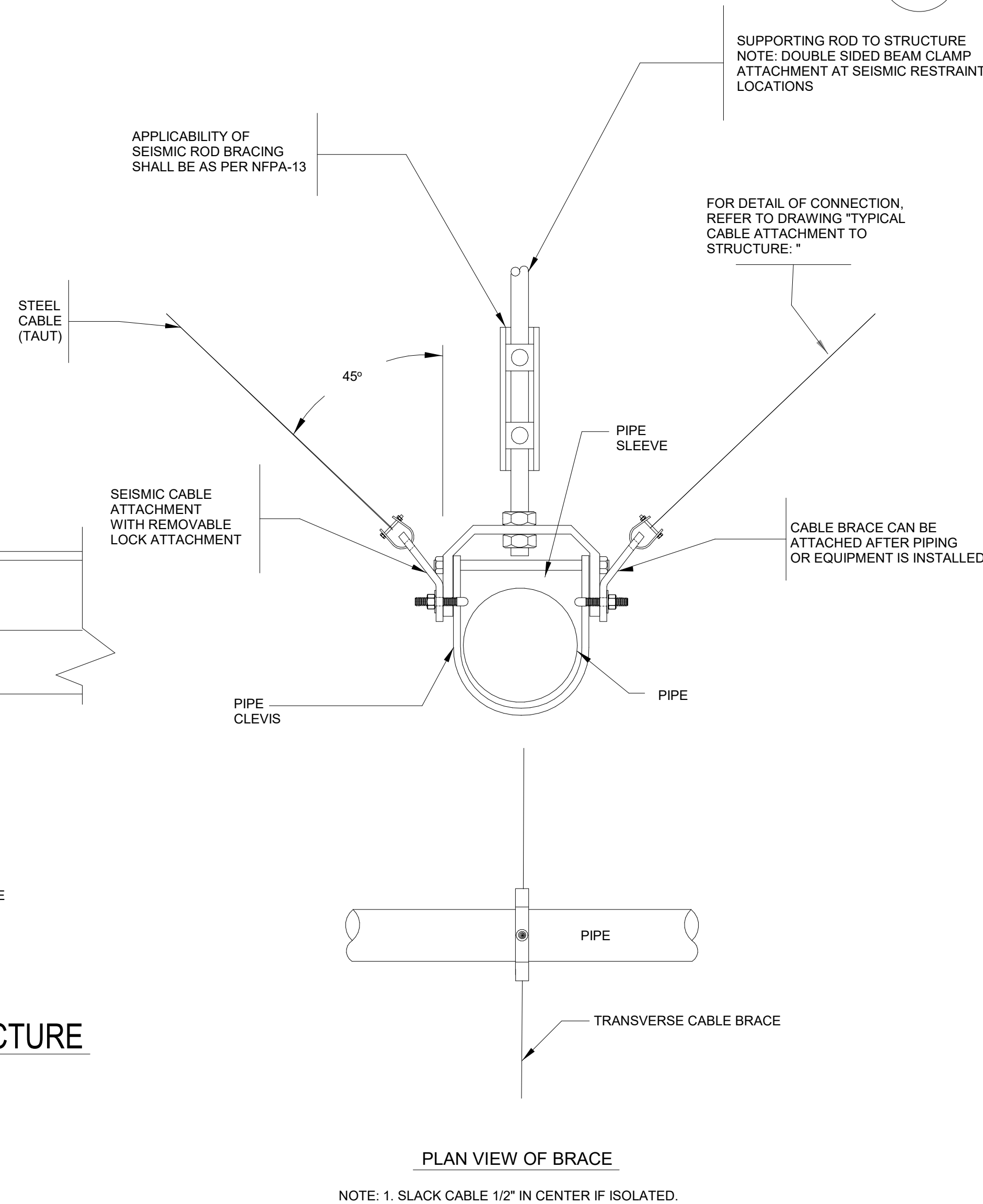
D 2 LIGHT AND RECEPTACLE AT ROOFTOP EQUIPMENT
E-701 SCALE: N.T.S.



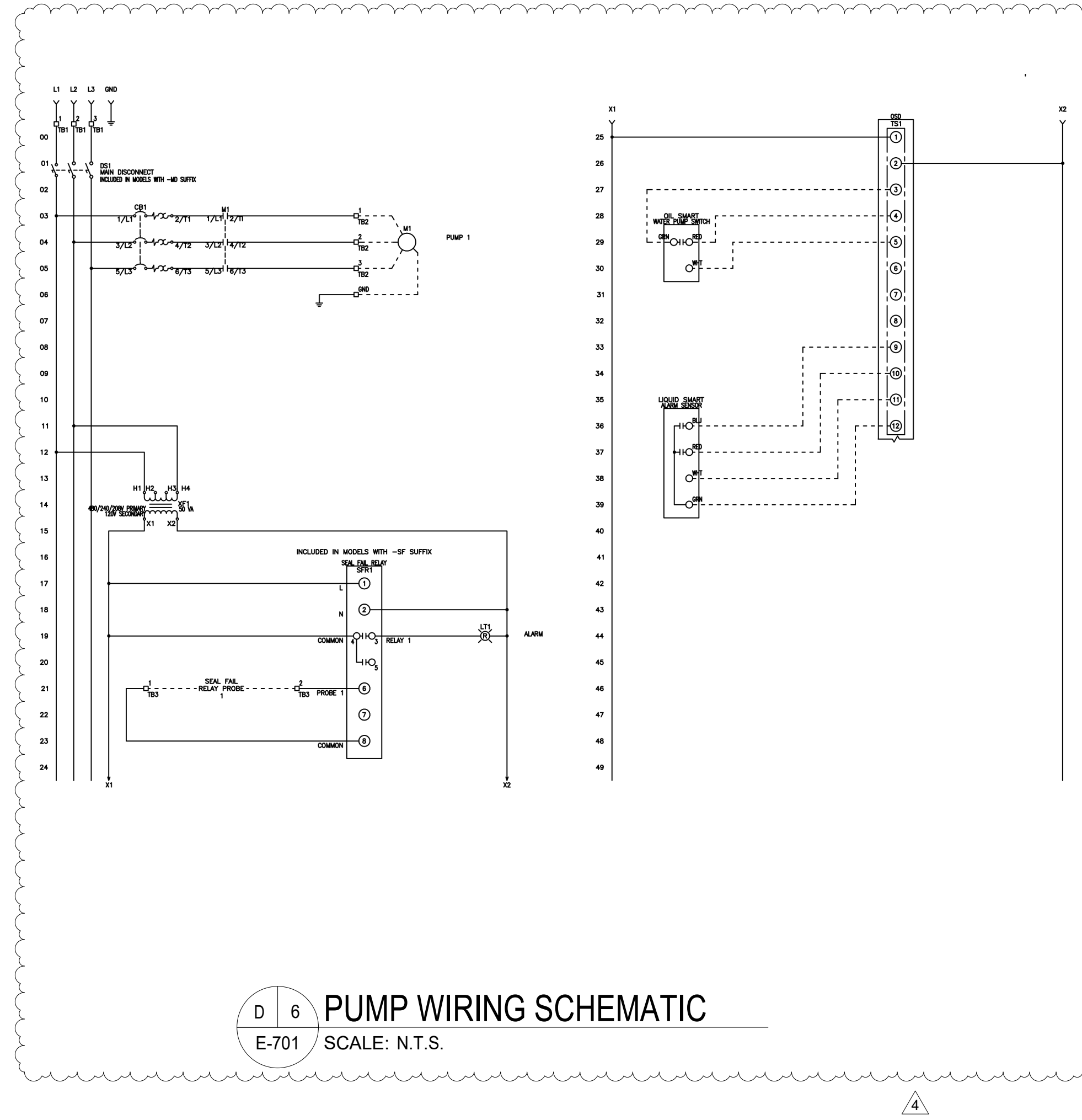
D 3 SINGLE DOOR CARD READER TYPICAL DETAIL
E-701 SCALE: N.T.S.



D 4 TYPICAL CABLE OR UNISTRUTS ATTACHEMENT TO STRUCTURE
E-701 SCALE: N.T.S.



D 5 TYPICAL TRANSVERSE CABLE BRACE FOR CLEVIS HUNG PIPING AND CONDUIT
E-701 SCALE: N.T.S.



D 6 PUMP WIRING SCHEMATIC
E-701 SCALE: N.T.S.

MARK	DATE	DESCRIPTION
4	09/23/2026	ADDENDUM 2
2	07/20/2026	PERMIT AMENDMENT/BID SET
1	03/11/2026	PERMIT AMENDMENT SET
	11/24/2025	PERMIT SET

PROJECT NUMBER: 47477-E

DESIGNED BY: DA

DRAWN BY: DA

FIELD CHECK: RW/HS

APPROVED: RW/HS

SHEET TITLE:

ELECTRICAL TYPICAL
DETAIL SHEET NO. 1

DRAWING NUMBER:

E-701

