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

ADDENDUM NO. 06 TO PROJECT NO. 47166

CONSTRUCTION WORK
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

June 18, 2024

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.

SPECIFICATIONS

1. 015213 STATE FIELD OFFICE: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 015213 – 1 thru 015213 – 5) noted "ADDENDUM 06".

2. 060140 REPAIR OF EXISTING ARCHITECTURAL WOODWORK: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 060140 – 1 thru 060140 – 13) noted "ADDENDUM 06".

3. 080110 TREATMENT OF HISTORIC DOORS: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 080110 – 1 thru 080110 – 15) noted "ADDENDUM 06".

4. 133419 PREFABRICATED OUTDOOR BOILER ROOM MODULES: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 133419 – 1 thru 133419 – 13) noted "ADDENDUM 06".

DRAWINGS

5. Revised Drawings:
   a. Drawing Nos. S-113, S-402 and S-403 noted "ADDENDUM 06 6/14/2024" accompany this Addendum and supersede the same numbered originally issued drawings.
   b. Drawing Nos. AD-004 and AD-162 noted "ADDENDUM 06 6/14/2024" accompany this Addendum and supersede the same numbered originally issued drawings.

c. Drawing Nos. A-101, A-620, A-630, A-680, and A-681 noted "ADDENDUM 06 6/14/2024" accompany this Addendum and supersede the same numbered originally issued drawings.
d. Drawing Nos. P-102, P-406, P-601, P-900, P-901, P-902 and P-903 noted "ADDENDUM 06 6/14/2024" accompany this Addendum and supersede the same numbered originally issued drawings.
e. Drawing Nos. M-152 and M-102 noted "ADDENDUM 06 6/14/2024" accompany this Addendum and supersede the same numbered originally issued drawings.

END OF ADDENDUM

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

SECTION 015213

STATE FIELD OFFICE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Provide and maintain a field with a temporary office setup, new furniture, and new equipment, stair and ramp for the sole use of the Director's Representative and staff. Include temporary services and accessories necessary for use of the items specified.

B. Refer to the floorplan at the end of this specification for location and layout of state field office.

1.02 SUBMITTALS

A. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.

B. Field Office Plans: show location of field office where directed. Indicate utility services and connections

C. Product Data: Catalog sheets, specifications, and installation instructions, for all major items of the field office including furnishings and equipment. Submit within 15 days after award of Contract.

1.03 SCHEDULING

A. Provide spaces per attached markup, ready for occupancy by the Director's Representative and staff, within 30 days after items specified above are approved.

1.04 QUALITY ASSURANCE

A. Accessibility Requirements: Provide fully accessible units including stairs and ramps that comply with ICC/ANSI A117.1 as referenced by the Building Code of New York State.

C. Provide units and all related utility connections in accordance with the NYS Uniform Fire Prevention and Building Code.

D. Provide certification insignia from New York Department of State that certifies trailer unit is code compliant.

E. Existing room A201 / proposed room 252 is a priority historic space. Follow specification 013591 Historic Treatment Procedures and refer to all relevant

specifications and drawings listed on drawing AD-001 for all work to prepare this space for the State Field Office.

F. All service calls must be responded to within 24 hours.

PART 2 PRODUCTS

2.01 TEMPORARY HVAC

A. Provide temporary HVAC for rooms A201, A202, and A302 via mini-split AC and heating unit with condenser mounted in the courtyard space to north of the annex. Provide heads in spaces as required to meet heat and cooling needs.

2.02 FIELD OFFICE REQUIREMENTS

A. Contractor to provide locks and keys for all field office spaces

B. Provide offices, kitchen, and bathroom per markup on following plan. This includes:
1. (8) office spaces, framed walls finished with GWB, taped and painted with 1 coat min., a min. 8’ ceiling, HM door and frame with hardware, light, and light switch, 2 quad receptacles, 1 duplex data receptacle.
2. (1) functional bathroom at existing restroom area, providing new water closet, lavatory with vanity, and bathroom accessories including toilet paper dispenser, paper towel dispenser, sanitary napkin disposal, and trash can.
3. (1) kitchenette with equipment specified below

2.03 FURNITURE AND EQUIPMENT

A. Furniture:
1. (12) swivel type chairs with arms suitable for use at office desks.
2. (20) straight back stackable chairs.
3. (10) lockable metal office desk, 30 x 60 inches, double pedestal type with keys.
4. (2) drafting table, 37 x 60 inches.
5. One conference table, sufficient to seat (12) meeting participants.
6. (3) “Planhold” plan rack, adjustable height, floor supported cantilever type, with plan clamps or plan rack sticks.
7. (5) lockable 4-drawer letter size file cabinets.
8. (3) 4’x 6’ wall mounted dry erase board.
9. (2) 75” Display TV - Samsung AU8000 or equal including wall mount hardware and installation
10. (2) 4’ Folding Tables
11. (2) 6’ Folding Tables
12. (2) 8’ Folding Tables

B. Office Equipment:
   1. Provide (2) Meeting Owl 3 conference room video conferencing devices.
   2. One copier – Toshiba E-Studio 7518 Digital Copier with finisher for stapling and collating. Provide full-service agreement and supplies for life of the contract.
      a. Supplies: paper and toner cartridges for the duration of the project as well as a service agreement for the life of the project.
   3. One Office Network (internet) system installed, with programming and maintenance for the duration of the project to handle (10) desks with computer connections and 5 compatible pieces of equipment connected to the network. Provide the instruments, wiring, and internet services.
      a. System – Ethernet Cabling to each desk and connected to internet.
      b. Provide all devices and cabling to set up state field office internet connection.
      c. Provide all wiring between all stations, equipment rack, etc. such that a complete system is installed and operates properly. Maintain the system and provide internet service for the life of the contract
   4. One refrigerated bottled water dispenser,(Hot & Cold Type) with cups, bottled water and necessary supplies. Provide water and cups for duration of contract.
   5. One industrial first aid kit similar to Grainger model 54768 capable of serving 200 people.
   6. One 20 cubic foot refrigerator, EnergyStar energy efficient model.
   7. Fire Extinguisher: Multipurpose Dry-Chemical Type in Steel Container UL-rated 20-A:120-B:C, 20-lb nominal capacity, with monoammonium phosphate-based dry chemical in enameled-steel container.
   8. Provide Keurig K-2500 with cups, water and coffee supply for duration of contract.

PART 3 EXECUTION

3.01 MAINTENANCE AND CLEANING

A. Maintain and clean the office units for the duration of this Contract. Include the following:
   1. Daily removal of rubbish.
   2. Daily cleaning of toilet room, including the plumbing fixtures. Replenish toilet room supplies as needed.
   3. Weekly mopping of floors.
   4. Weekly dusting of offices and other rooms.

B. Maintain approaches free of mud and snow.

C. Protect water lines from freezing.

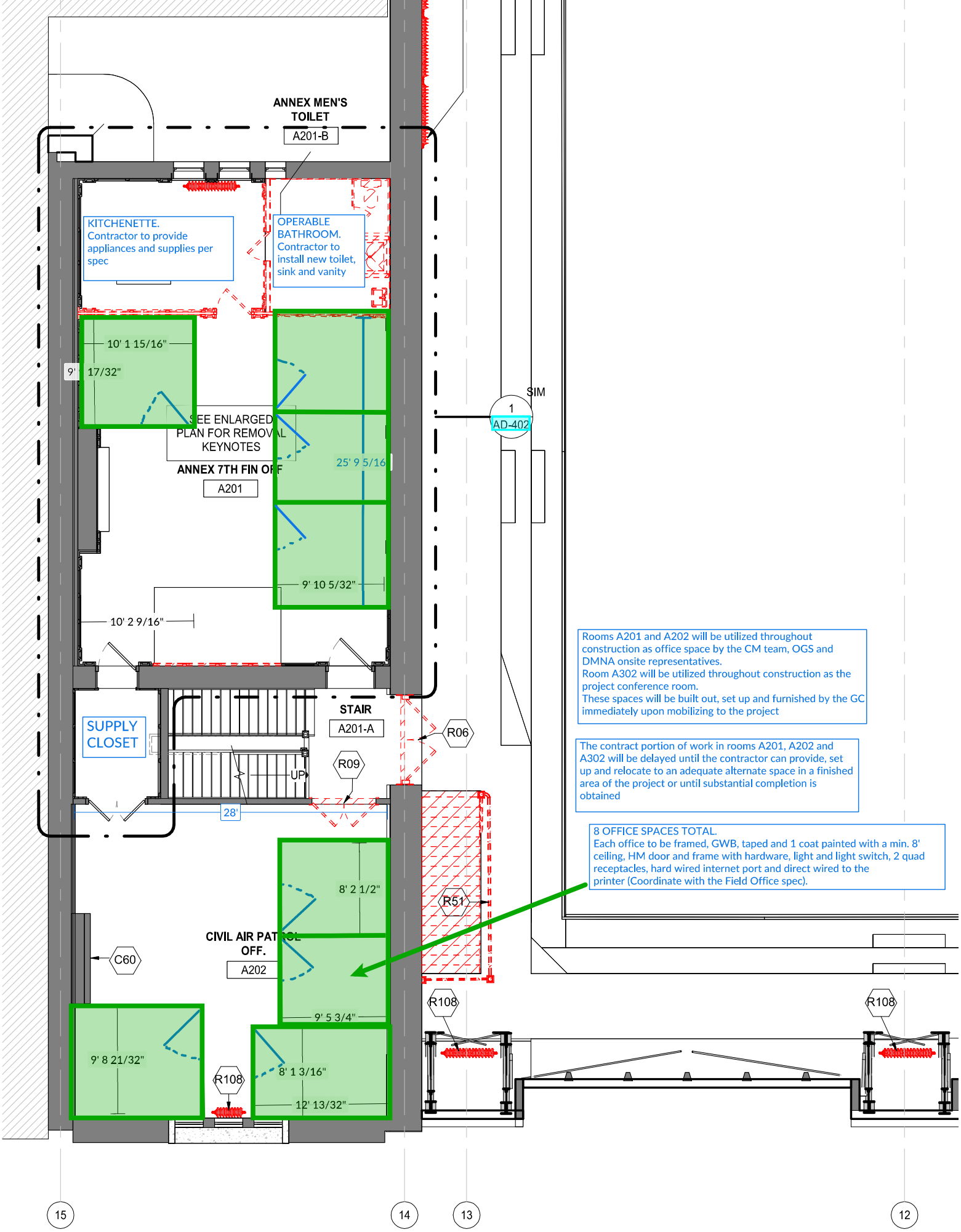
D. Cleaning to be performed by professional cleaning company approved by the directors representative.

3.02 REMOVALS

A. Field office is to remain in place until such time that an equal space is completed within the building. Contract work in Field Office existing spaces can commence upon completion of new space and approval by Directors Representative to move operations.

B. Remove the units, furniture, and equipment when field office is moved per line A above. Treat and restore spaces according to removals and rehabilitation drawings and perform new work per contract drawings. Adhere to historic preservation and restoration guidelines in drawings and specifications. Refer to drawing AD-001 for complete index of relevant drawings and specs. Existing room A201 / proposed room 252 is a priority historic space.

END OF SECTION



1 SECOND FLOOR REMOVAL PLAN - SECTOR 2&3

1/8" = 1'-0"

ADDEDNUM - 06 (06/14/2024)

SECTION 060140

REPAIR OF EXISTING ARCHITECTURAL WOODWORK

PART 1 GENERAL

1.01 RELATED DOCUMENTS

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

B. Reference and Cited Standards.
1. Confirm to the “Secretary of the Interior’s Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings,” 1995.
2. Comply with relevant ASTM Standards for materials.
3. The Quality Standards, latest edition of the AWI shall apply to the work of this section. Except as otherwise indicated, provide "Premium Grade" work as defined in the above–referenced standards for Architectural woodwork.
4. Section 12, "Historic Restoration Work," and related requirements in AWMAC/AWI's "North American Architectural Woodwork Standards”.
5. Wood restoration procedures shall be done in accordance with regulations, safety standards and in requirements of federal, state, and local authorities having jurisdiction over the work including but not limited to the applicable standards for protecting the public and control of pollutants and OSHA regulations for the protection of workers and the public.
6. Materials shall perform as specified and do not produce off–gassing or otherwise have a deleterious effect during or after application on either the surface being treated or on adjacent surfaces.
7. Whenever possible, use old, salvaged wood for replacement rather than new millwork.
8. Wood Moisture Content: If using new wood, provide kiln-dried (KD) lumber with an average content range of 6-11%.
9. Replication wood shall match original existing species and grade, or premium grade whichever is more stringent. New inserts in existing wood shall be selected to match grain, color, and pattern. Where wood is to be painted, replication wood does not have to match but must be knot free.
10. Joiner or ornamental elements shall be fabricated to match existing, or AWI Premium Grade, whichever is more stringent.
11. Materials shall conform to the latest edition of reference specifications applicable, specified herein, and to applicable codes and requirements of local authorities having jurisdiction.
    a. Materials shall conform to governing regulations regarding the content of volatile organic compounds (VOC).
12. Materials Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all products.

C. Related Work Specified Elsewhere:

1. Submittals: Section 013300
2. Historic Treatment Procedures: Section 013591
3. Mockup Requirements: Section 014339
4. Construction Indoor Air Quality: Section 018119
5. Removal and Dismantling of Historic Materials: Section 024296
6. Interior Masonry Cleaning and Coating Removal: Section 040122
7. Repair of Decorative Metals: Section 059100
8. Treatment of Historic Doors: Section 080110
9. Repair of Existing Plaster: Section 090120.61
10. Repair of Existing Wood Flooring: Section 090160.61
11. Repair of Interior Masonry Finishes: Section 090300.61
12. Interior Plain Painting: Section 090391
13. Repair of Terrazzo: Section 096600.61

1.02 SECTION INCLUDES

A. The work of this Section includes, but is not limited to, the following:
1. Retain the services of a qualified Architectural Conservator to complete a Finishes Investigation on the interior woodwork to determine the type and color of existing finishes.
2. Cleaning all architectural woodwork including wood panels and doors.
3. Filling small holes, checks, and gouges with a patching compound.
4. Removal and replacement in kind of heavily water damaged wood elements including paneling and trim.
5. Restore damaged finishes.
6. Replacement of missing elements.
7. Dutchman repairs.
8. Reattaching loose trim elements.
9. Reattaching lifted veneer.

1.03 SUBMITTALS

A. General: Refer to Section 013300 – Submittals for submittal procedures.

B. Qualifications Statements: For Wood Repair Contractor, including workers.

C. Submit safety Data Sheets for each material required for the work of this section.

D. Program of Work for Repair of Existing Architectural Woodwork showing plan for each phase or process of Work including protection of surrounding materials during operations. Describe in detail materials, methods, and equipment to be used for each phase of work. Show compliance with indicated methods and procedures specified in this and other Sections.

E. Submit documentation that the supplier of wood materials is approved by the Forest Stewardship Council.

F. Architectural Conservator’s Interior Finishes Investigation.

G. Shop Drawings:

1. Include plans, elevations, and sections showing locations and extent of repair and replacement work, with enlarged details of replacement parts indicating materials, profiles, joinery, reinforcing, method of splicing or attaching wood members to other surfaces, accessory items, and finishes.
2. Include field-verified dimensions and the following:
    a. Shapes and profiles with complete dimensions for replacement components and their joining, showing relationship of existing components to new components.
    b. Identification of each new unit and its corresponding location in the building on annotated plans and elevations.

H. Product Data: Manufacture's' catalog sheets, specification, and installation instructions.

I. Samples:
1. Replacement Wood:
    a. Wood Molding: 12 inch long, full size molding sections with applied finish.
    b. Wood Paneling: 12 inch square piece with required finish.
    c. Additional samples of replacement members that show fabrication techniques, materials and finishes as required by Director's Representative.
2. Provide three (3) samples of each type of millwork requiring replacement. Samples shall be representative of size and profile of units required on site.
3. Repaired Wood: Prepare samples using existing wood removed from the site, repaired, and prepared for refinishing.
4. Refinished Wood: Prepare samples using existing wood removed from site, repaired, and refinished.
5. Hardware: For each type, full-sized units with each factory-applied or restored finish.

1.04 QUALITY ASSURANCE

A. Architectural Woodwork Repair Contractor: Award architectural woodwork repair to a firm regularly engaged in the restoration of architectural woodwork on historic buildings that can demonstrate to Director's Representative's satisfaction that, within previous five (5) years, it has successfully completed at least five (5) projects similar in scope and type to work required on this Project involving buildings listed in the State or National Register of Historic Places under the direction of preservation authorities.
1. Foreman: Architectural woodwork repair shall be directly supervised by a full-time Foreman with experience equal to or greater than that required of Architectural Woodwork Repair Contractor. Foreman shall be on site daily for duration of work of this Section.
2. Mechanics: Architectural woodwork repair shall be carried out by a steady crew of skilled woodworkers who are thoroughly experienced with restoration of historic architectural woodwork using materials and methods specified and have a minimum of three years' experience with work on historic buildings similar to that required by this Section. In

acceptance or rejection of work of this Section, no allowance will be made for workers' inattention or lack of skill.

B. Existing Architectural Woodwork Program of Work: Prepare a written, detailed description of materials, methods, equipment, and sequence of operations to be used for historic treatment work, including protection of surrounding materials and Project site.
   1. If materials and methods other than those indicated are proposed for any phase of work, add a written description of such materials and methods, including evidence of successful use on comparable projects, and demonstrations to show their effectiveness for this Project.

C. Retain the services of an Architectural Conservator to perform a Finishes Investigation of wood elements to be retained including wood paneling and doors to identify original and existing finishes. This will allow for the application of compatible finishes in material and color.

1.05 MOCKUPS

A. General: Refer to Section 014339 – Mockup Requirements for mockup procedures.

B. Prepare the following mockups: Prepare 1 mockup at areas designated by Director's Representative for each repair and replication type indicated in this Section unless otherwise indicated.
   1. Fill Repairs: Prepare one sample repair using material and methods specified for each type of fill repair including gouge repair, scratch repair, and crack repair.
   2. New wood inserts (Dutchmen): Subsequent to Director's Representative's approval of shop drawings/sketches and samples, prepare one sample repair using materials and methods specified for 1 Dutchman repair.
   3. Samples of wood for repairs with and without restored finish. Provide full range of color to be found in final finished product.
      a. Finish mockup will be a minimum of 3-feet by 3-feet
   4. Finish Restoration: Prepare samples using materials and methods specified for each type of finish. New finish shall match the original in color, transparency, and reflectance quality.
      a. Finish mockup will be a minimum of 3-feet by 3-feet.

1.06 PRECONSTRUCTION TESTING

A. Preconstruction Testing Service: Engage a qualified architectural conservator or historic treatment specialist to perform preconstruction testing on historic wood materials as follows:
   1. Provide test specimens representative of proposed materials and existing construction for wood species identification and determination of original finishes.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Store materials and completed fabricated wood items in a dry, well-ventilated area completely protected from the weather. Comply with temperature and humidity requirements for storage and installation.
   1. Maintain temperature between 60-80 degrees F and relative humidity between 45-65 percent for wood elements. At no time should relative humidity level be above 70 percent.

B. Salvaged, repaired woodwork shall not be delivered to the site until ready to be installed.

C. Deliver packaged material in original unbroken packages with the manufacturer's name, brand and material standard indicated plainly thereon.

D. Protect sanded and prefinished surfaces during handling and installation. Keep such surfaces covered with polyethylene film or other suitable protective covering.

E. Pack, deliver, and store products in suitable packs, heavy-duty cartons, or wooden crates; surround with sufficient packing material to ensure that products will not be deformed, broken, or otherwise damaged.

F. Replace broken, lost, or damaged adjacent materials resulting from repair, removal, cleaning or finishing of woodwork under this section.

1.09 PROTECTION

A. Take necessary precautions to protect persons (whether engaged in the work of this Section or not), property and materials from hazards of any kind, including fire, associated with the work of this Section.
   1. Working fire extinguishers must remain on the worksite at all times.

B. Place paint or solvent soaked rags, waste, overalls, or other material which might constitute a fire hazard in metal containers and remove from the premises daily in accordance with Director's Representative's requirements for waste removal.

PART 2 PRODUCTS

2.01 BASIC REQUIREMENTS

A. The grades of materials under this section shall be as defined by the rules of the recognized association of lumber manufacturers producing the materials specified. Wood for millwork shall conform to, or exceed, the requirements of "Premium Grade, Class 1 " as established by Quality Standards or the Architectural Woodwork Institute (AWI) and shall be provided in the cuts and figure required to match existing wood. Where conflicts occur between these standards and this Specification, the more stringent requirement shall govern in each case.

B. Lumber and finished woodwork throughout shall be of sound stock, thoroughly seasoned, free from all knots, and if new, kiln–dried to a moisture content not exceeding 6–11% for millwork.

C. Work that is to be finished shall be free from defects or blemishes on surfaces exposed to view that will show after the finish coat of varnish or paint is applied. Any materials which are in any way defective and do not meet specifications for quality and grade, or are otherwise not in proper condition, shall be rejected.

D. Where any manufacturer makes more than one grade of each material specified, the Contractor shall use the highest grade of each type, whether or not the material is mentioned by trade name in these specifications.

E. Follow manufacturer's instructions regarding preparation of surfaces, mixing, applying, drying, etc. In case of conflict with this specification, the more stringent shall govern.

2.02 MATERIALS

A. Tools and Equipment:
1. Power saws may not be used during the removal of the woodwork without approval by Director’s Representative.
2. Handheld power tools to be used for the removal of paint or varnish shall be equipped with vacuum attachments that control air–borne lead dust.

B. General Cleaning Materials:
1. Cleaning Pads: Scotch-Guard Red Pads
2. Cleaning Pads: 0000 steel wool pads, clean and free of contaminants and corrosion.
3. Clean lint-less cotton rages and cheesecloth.

C. Protection Materials:
1. Foam Boards which do not off-gas: 1/4" to 2" thick boards, 4' by 8'.
2. Gaffers Tape: 3M.
3. Low-Tack Masking: 3M.
4. Plywood: 1/4" to 3/4" thick.
5. 2 X 4-inch blocking.
6. Cotton batting shall be 100% unbleached cotton.
7. Polyethylene sheeting.

2.03 ARCHITECTURAL CONSERVATOR FOR FINISHES INVESTIGATION

A. Retain the services of an Architectural Conservator to perform a finishes investigation of the interior wood elements to remain. Acceptable companies include:
1. EverGreene Architectural Arts, 212-244-2800
2. Mary Kay Judy, info@marykayjudy.com
3. Cultural Heritage Conservation, 518-821-4240.

2.04 WOOD CLEANING PRODUCTS

A. Cleaning Materials:
   1. Detergent Solution: Solution prepared by mixing 2 cups of tetrasodium pyrophosphate, 1/2 cup of laundry detergent that contains no ammonia, 5 quarts of 5 percent sodium hypochlorite bleach, and 15 quarts of warm water for each 5 gal. of solution required.
   2. Mildewcide: Commercial, proprietary mildewcide or a solution prepared by mixing 1/3 cup of household detergent that contains no ammonia, 1 quart of 5 percent sodium hypochlorite bleach, and 3 quarts of warm water.

2.05 REPLICATED WOOD

A. Replicated wood paneling and millwork where required to match the existing in size, shape, and profile.
   1. Joint Construction: Joints are to match existing joints.
   2. Wood Species: Match species of existing wood.
   3. Wood Cut: Match cut of existing wood.
   4. Wood Member and Trim Profiles: Match profiles and detail of existing.
   5. Hardware: Reuse existing unless otherwise indicated.
   6. Date Identification: Emboss on a concealed surface of each replaced item, in easily read characters, "MADE IN 2023." Manufacturer's name may also be embossed.

2.06 WOOD REPLACEMENT MATERIALS

A. Wood, General: Clear fine-grained lumber; kiln-dried to a moisture content of 6 to 11 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide.
   1. Species: Match species of each existing type of wood component or assembly unless otherwise indicated.

B. Dutchmen shall be fabricated to replicate existing profile.

2.07 HARDWARE

A. Provide replication hardware and all fasteners for architectural woodwork. Finish is to match historic.

2.08 PUTTIES, ADHESIVES, AND FASTENERS

A. Fillers for holes and losses in wood: Pigmented oil-based putty formulated specifically for use on wood.

B. Wax touch-up crayons in color to match surrounding wood.

C. Glues shall be non-staining waterproof wood glue as manufactured by 3M Company, Pittsburgh Plate Glass Company, or Borden Company.

D. Provide new screws to match existing.

E. Provide new nails and brads to match existing.

2.09 WOOD FINISHES

A. Unfinished Replacement Units: Provide exposed interior wood surfaces of replacement units unfinished; smooth, filled, and suitably prepared for on-site priming and finishing.

B. Wood is to be finished to match the existing finish as determined by the Architectural Conservator in their Finishes Investigation Report.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine substrate conditions and surfaces upon which finished Work is to be installed. Do not proceed with finish Work until unsatisfactory substrate conditions are corrected.

B. Take all necessary field measurements and verify all installation conditions prior to dismantling, submission of shop drawings/sketches and other submittals, and prior to ordering and fabrication of materials.

3.02 PREPARATION

A. Clean wood of mildew, algae, moss, plant material, loose paint, grease, dirt, and other debris by scrubbing with natural bristle brush or sponge and detergent solution. Scrub mildewed areas with mildewcide. After cleaning, rinse thoroughly with fresh water. Allow to dry before repairing or painting.

B. Condition replacement wood members and replacement units to prevailing conditions at installation areas before installing.

3.03 REPAIR OF EXISTING ARCHITECTURAL WOODWORK GENERAL

A. Appearance Standard for Repair of Existing Architectural Woodwork: Completed work is to have a uniform appearance as viewed by Director's Representative from 10 feet away for interior work.

B. General: In treating historic items, disturb them as minimally as possible and as follows.
   1. Stabilize and repair wood to reestablish structural integrity and weather resistance while maintaining the existing form of each item.
   2. Repair items in place where possible.
   3. Install temporary protective measures to protect wood-treatment work that is indicated to be completed later.
   4. Remove surface-attached items from wood surface before performing wood-replacement repairs unless otherwise indicated.
   5. Verify that surfaces are sufficiently clean and free of paint residue prior to repair.

6. Remove broken, rotted, and decayed wood down to sound wood.
7. Refinish historic wood located in High Priority Zones to match their original finish unless otherwise indicated.

C. Remove extraneous nails, staples, hooks, etc. from woodwork. Fill resulting holes, gouges and indentations with approved filler material and sand smooth as per Paragraph 3.5.

D. Mechanically remove tape and other adhesives from woodwork.

E. Abrasion: Where mechanical abrasion is needed for the Work, use only the gentlest mechanical methods, such as scraping and natural-fiber bristle brushing that will not abrade wood substrate, reducing clarity of detail. Do not use abrasive methods, such as sanding, wire brushing, or power tools, except as indicated as part of the historic treatment program and as approved by Director's Representative.

F. Repair Wood: Match existing materials and features, retaining as much original material as possible to perform repairs.
1. Unless otherwise indicated, repair wood by patching, splicing, or otherwise reinforcing wood with new wood matching existing wood or with salvaged, sound, original wood.
2. Where indicated, repair wood by limited replacement matching existing material.
3. Patch holes, indentations, gouges, etc. using wax crayon tough-up stick for holes less than 1/4-inch by 1/4-inch.
4. For holes less than 1-inch by 1-inch X 1/2-inch deep, use wood filler as shown in Paragraph 3.5.
5. For holes 1-inch by 1-inch X 1/2-inch deep or larger use Dutchman repairs as shown in Paragraph 3.4.

G. Replace Wood: Where required, duplicate and replace units with units made from salvaged, sound, original wood or with new wood matching existing wood. Use surviving prototypes to create patterns for duplicate replacements.
1. Do not use substitute materials unless otherwise indicated.
2. Compatible substitute materials may be used when approved by Director's Representative.

H. Identify removed items with numbering system corresponding to item locations, to ensure reinstallation in same location. Key items to Drawings showing location of each removed unit. Permanently label units in a location that will be concealed after reinstallation.

3.04 DUTCHMAN REPAIRS

A. Repair deteriorated, split, or missing wood with Dutchman repairs where indicated on drawings. Wherever possible, reuse existing salvaged wood. Use the following procedure for Dutchman repairs:
1. Neatly cut out defective materials and enough sound wood to bond Dutchman to sound substrate. Form a prismatic void in existing wood with square corners and edges. Cut Dutchman to exactly fit void, with

exposed portion matching original profile of woodwork, and grain of Dutchman parallel to original wood grain direction.

2. Secure Dutchman with waterproof adhesive and clamp in place until glue is set.
3. Where it is necessary to cut off an end of a component and install Dutchman, use a diagonal scarf joint for end–to–end joints.
4. Sand to smooth surface.

3.05 WOOD PATCH TYPE REPAIRS

A. General: Patch wood that exhibits depressions, holes, or similar voids, and that has limited amounts of rotted or decayed wood.

B. Apply wood-patching compound to fill depressions, nicks, cracks, and other voids created by removed or missing wood.
   1. Mix only as much patching compound as can be applied according to manufacturer's written instructions.
   2. Apply patching compound in layers as recommended in writing by manufacturer until the void is completely filled.
   3. Sand patch surface smooth and flush with adjacent wood, without voids in patch material, and matching contour of wood member.
   4. Clean spilled compound from adjacent materials immediately

3.06 WOOD-REPLACEMENT REPAIR

A. General: Replace parts of or entire wood items where damage is too extensive to patch.
   1. Remove surface-attached items from wood surface before performing wood-replacement repairs unless otherwise indicated.
   2. Custom fabricate new wood to replace missing wood; either replace entire wood member or splice new wood part into existing member.
   3. Secure new wood using finger joints, multiple dowels, or splines with adhesive and nailing to ensure maximum structural integrity at each splice. Use only concealed fasteners. Fill nail holes and patch surface to match surrounding sound wood.

B. Repair remaining depressions, holes, or similar voids with patch-type repairs as outlined in Paragraph 3.05.

C. Clean spilled materials from adjacent surfaces immediately.

D. Reinstall items removed for repair into original locations.

3.07 REATTACHING LOOSE TRIM

A. Using galvanized nails that will penetrate at least 1/2-inch into the backing material, drive nail into trim without hitting the wood.

B. Drive nail until the head is slightly above the surface of the wood. Hold the tip of the nail set against the nail head and tap with hammer to drive the head about 1/8-inch below the surface of the wood.

C. Fill resulting hole with paintable wood filler that matches the color of the surrounding wood.

3.08 REATTACHING LOOSE VENEER

A. Lift the loose veneer and scrape away any excess glue and debris from the surface underneath the veneer. Sand off any remaining clue residue using a fine grit sandpaper.

B. Apply a thin coat of carpenter's glue to the surface underneath the veneer using a small paint brush.

C. Press the veneer into place and remove any excess glue with a damp rag.

D. Tape down the edges of small sections with painter's tape.

E. Cover larger area with silicone release paper, cover with scrap 3/4-inch plywood and clamp the plywood down using a c-clamp. Leave clamp in place until adhesive has dried.

3.09 INSTALLATION OF SALVAGED OR NEW REPLICATED WOODWORK

A. Install work plumb, level, true, and straight with no distortions. Shim using concealed shims. Install to a tolerance of 1/8" in 8'–0" for plumb and level work; and with 1/32" maximum offset in flush adjoining surfaces and 1/16" maximum offsets in revealed adjoining surfaces.

B. Anchor finish carpentry work to anchorage devices or blocking built–in or directly attached to substrates. Secure to grounds, stripping and blocking with countersunk, concealed fasteners and blind nailing for a complete installation. Except where prefinished matching fastener heads are required, use fine finishing nails, countersunk and filled flush with finished surface, and matching the final surface finish. Mix various hues of colored putty to match the color of the surrounding finished wood as closely as possible.

C. Assure that elements are constructed to fit into proposed locations without disturbing the original construction.

3.10 REFINISHING

A. Refinishing wood to match existing finishes as determined by the Architectural Conservator's Finishes Investigation Report.
   1. Different rooms will require different levels of refinishing. Rooms where the finish has been severely damaged should be completely refinished, while smaller areas of damage will only require selective refinishing.

B. Refinishing consists of either selective refinishing, which is the removal of the top finish, or major refinishing, which will require the removal of all finishes from the wood floor and the application of new finishes.
   1. General:

a. Full refinishing should be performed when more than 30% of the finish of a wall or panel is damaged. Partial refinishing should be done when the damage constitutes less then 30% of the surface of the wall or panel.
b. Prepare surfaces to receive finishes through cleaning of grime, grease, dirt, loose material, and other substances that may interfere with proper adhesion of finish. Surfaces to be finished shall be dry. If using chemical strippers, allow several days for the wood surface to dry after stripping procedures.
c. Starting the work of this section shall be construed as acceptance of such surfaces as being satisfactory, and any defects of this work resulting from such accepted surfaces will be corrected by the Contractor at their own expense.
d. Remove imperfections in the previous coat before the subsequent coat is applied.
e. Provide protection sufficient to protect adjacent work and materials.

2. Selective Refinishing:
   a. Sand/remove upper finish surface using a rotary or orbital buffer.
   b. Apply approved finish materials in number of coats recommended by finish manufacturer for application indicated to achieve a uniform appearance.
3. Complete Refinishing:
   a. The contractor shall remove the damaged wood finish to base wood using a machine-sander equipped with a vacuum attachment to remove offsets, ridges, cups, raised gain, and sanding machine marks that would be noticeable after finishing. Vacuum and tack with a clean cloth immediately before applying finish. The sanding should be kept to a minimum to ensure retention of historic fabric.
4. Fill open-grained hardwood with "wood pore filler.'
5. Fill and repair open wood seams and defects.
6. Stain to match historic finish.
7. Apply top coat as determined in the Architectural Conservator's Finishes Investigation Report as per manufacturer's instructions.

3.11 CLEANING AND PROTECTION

A. Protect wood surfaces from contact with contaminating substances resulting from construction operations. Monitor wood surfaces adjacent to and below exterior concrete and masonry during construction for presence of dirt, scum, alkaline deposits, stains, or other contaminants. Remove contaminants immediately.

B. Clean exposed surfaces immediately after historic wood repair. Avoid damage to coatings and finishes. Remove excess sealants, patching materials, dirt, and other substances.

C. Repair damaged and defective finish carpentry work wherever possible to eliminate defects functionally and visually; where not possible to repair properly, replace woodwork. Adjust joinery for uniform appearance. Restore any marred or damaged areas using approved means at no expense to the client.

D. Leave the site free of debris at the end of each workday.

E. Work and adjacent areas shall be clean and free of loose material and debris.

F. Clean wood surfaces of dust, grime, and other substances following repairs using a clean damp cloth.

END OF SECTION

SECTION 080110

TREATMENT OF HISTORIC DOORS

PART 1 GENERAL

1.01 RELATED DOCUMENTS

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

B. Door repair schedule on drawing A-635 and existing door types on drawings A-635 through A-639.

C. Reference and Cited Standards.

1. Confirm to the “Secretary of the Interior’s Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings,” 1995.
2. Comply with relevant ASTM Standards for materials.
3. Materials shall conform to the latest edition of reference specifications applicable, specified herein, and to applicable codes and requirements of local authorities having jurisdiction.
4. The Quality Standards, latest edition of the AWI shall apply to the work of this section. Except as otherwise indicated, provide "Premium Grade" work as defined in the above–referenced standards for Architectural woodwork.
5. Section 12, "Historic Restoration Work," and related requirements in AWMAC/AWI's "North American Architectural Woodwork Standards”.
6. Wood restoration procedures shall be done in accordance with regulations, safety standards and in requirements of federal, state, and local authorities having jurisdiction over the work including but not limited to the applicable standards for protecting the public and control of pollutants and OSHA regulations for the protection of workers and the public.
7. Materials shall perform as specified and do not produce off–gassing or otherwise have a deleterious effect during or after application on either the surface being treated or on adjacent surfaces.
8. Whenever possible, use old, salvaged wood for replacement rather than new millwork.
9. Wood Moisture Content: If using new wood, provide kiln-dried (KD) lumber with an average content range of 6-11%.
10. Replication wood shall match original existing species and grade, or premium grade whichever is more stringent. New inserts in existing wood shall be selected to match grain, color, and pattern. Where wood is to be painted, replication wood does not have to match but must be knot free.
11. Joiner or ornamental elements shall be fabricated to match existing, or AWI Premium Grade, whichever is more stringent.
12. Materials shall conform to the latest edition of reference specifications applicable, specified herein, and to applicable codes and requirements of local authorities having jurisdiction.

a. Materials shall conform to governing regulations regarding the content of volatile organic compounds (VOC).

13. Materials Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) for all products.

C. Related Work Specified Elsewhere:
1. Submittals: Section 013300
2. Historic Treatment Procedures: Section 013591
3. Definitions: Section 014216
4. Mockup Requirements: Section 014339
5. Construction Indoor Air Quality: Section 018119
6. Removal and Dismantling of Historic Materials: Section 024296
7. Interior Masonry Cleaning and Coating Removal: Section 040122
8. Repair of Decorative Metals: Section 059100
9. Repair of Existing Architectural Woodwork: Section 060140
10. Repair of Existing Plaster: Section 090120.61
11. Repair of Existing Wood Flooring: Section 090160.61
12. Repair of Interior Masonry Finishes: Section 090300.61
13. Interior Plain Painting: Section 090391
14. Repair of Terrazzo: Section 096600.61

1.02 SECTION INCLUDES

A. The work of this Section includes, but is not limited to, the following:
1. Full restoration of the Main Entry Doors and the doors between the Entry Hall and Drill Hall.
2. Minor repairs of the historic wood and Kalamein doors throughout the armory.
3. Work includes, but it not limited to:
a. Removal of doors for restoration.
b. Cleaning.
c. Complete or partial refinishing.
d. Composite patch repairs.
e. Removing abandoned anchors and patching holes.
f. Filling cracks.
g. Dutchman repairs.
h. Reattaching displaced members.
i. Repairing, refinishing, and replacing hardware.

1.03 SUBMITTALS

A. General: Refer to Section 013300 – Submittals for submittal procedures.

B. Qualifications Statements: For Historic Door Repair Contractor, including workers.

C. Submit safety Data Sheets for each material required for the work of this section.
1. Include recommendations for product application and use. Include test data substantiating that products comply with requirements.

D. Program of Work for Treatments of Historic Doors showing plan for each phase or process of Work including protection of surrounding materials during operations. Describe in detail materials, methods, and equipment to be used for each phase of work. Show compliance with indicated methods and procedures specified in this and other Sections .

E. Submit documentation that the supplier of wood materials is approved by the Forest Stewardship Council.

F. Architectural Conservator's Interior Finishes Investigation.

G. Shop Drawings:
   1. For locations and extent of wood-door repair and replacement work.
      a. Include plans, elevations, sections, and details of replacement parts indicating materials, profiles, joinery, reinforcing, method of splicing into or attaching to existing wood door, accessory items, and finishes.
   2. Include field-verified dimensions and the following:
      j. Shapes and profiles with complete dimensions for replacement components and their joining, showing relationship of existing components to new components.
      k. Identification of each new unit and its corresponding location in the building on annotated plans and elevations.
   l. For protection and storage crates for transporting the doors.

H. Product Data: Manufacture's' catalog sheets, specification, and installation instructions.

I. Samples. Actual sample of finished products for the following, in manufacturer's standard sizes unless otherwise indicated:
   1. Replacement Wood for dutchmen that matches the original in species and grain cut.
   2. Finish Samples: Prepare samples of each restored finish on 12" x 12" samples of new wood matching the original species and graining.
   3. Hardware: Full sized units with each factory applied or restored finish.
   4. Kalamein metal samples measuring 4" x 4" if metal replacement is required as directed by the Director's Representative.
   5. Samples of all attachments, anchors, inserts, fastenings, and adhesives included in this section.

1.04 QUALITY ASSURANCE

A. Historic Door Repair Contractor: Award architectural woodwork repair to a firm regularly engaged in the restoration of historic doors on historic buildings that can demonstrate to Director's Representative's satisfaction that, within previous five (5) years, it has successfully completed at least five (5) projects similar in scope and type to work required on this Project involving buildings listed in the State or National Register of Historic Places under the direction of preservation authorities.
   1. Foreman: Historic door repair shall be directly supervised by a full-time Foreman with experience equal to or greater than that required of

Historic Door Repair Contractor. Foreman shall be on site daily for duration of work of this Section.

2. Mechanics: Historic Door repair shall be carried out by a steady crew of skilled woodworkers who are thoroughly experienced with restoration of historic doors using materials and methods specified and have a minimum of three years' experience with work on historic buildings similar to that required by this Section. In acceptance or rejection of work of this Section, no allowance will be made for workers' inattention or lack of skill.

B. Historic Door Repair Program of Work: Prepare a written, detailed description of materials, methods, equipment, and sequence of operations to be used for historic treatment work, including protection of surrounding materials and Project site.

1. If materials and methods other than those indicated are proposed for any phase of work, add a written description of such materials and methods, including evidence of successful use on comparable projects, and demonstrations to show their effectiveness for this Project.

C. Retain the services of an Architectural Conservator to perform a Finishes Investigation of door elements to be retained including wood, Kalamein, and metal doors to identify original and existing finishes. This will allow for the application of compatible finishes in material and color.

1.05 MOCKUPS

A. General: Refer to Section 014339 – Mockup Requirements for mockup procedures.

B. Prepare the following mockups: Prepare 1 mockup at areas designated by Director's Representative for each repair and replication type indicated in this Section unless otherwise indicated.

1. Cleaning: Prepare cleaning samples approximately 4'x4', or size of the soiling condition, to address the removal of general soiling, adhesive residues, and paint.
2. Dutchmen: Subsequent to Director's Representative approval of all shop drawings/sketches and samples, the Contractor shall prepare one sample repair using materials and methods specified for one (1) dutchman repair.
3. Patching: Prepare mockups for patching holes and cracks using composite patching material.
4. For Kalamein doors if necessary, provide a mock-up of all replacement sheet metal to match existing profiles and include compatible fasteners.
5. Finish Restoration: Prepare samples using materials and methods specified for each type of finish. The new finish shall match the original in color, transparency, and reflectance quality. Mockup shall include materials and methods for removing the existing finish from the doors.
   a. Finish mockup will be a minimum of 3-feet by 3-feet.
6. Hardware restoration.

1.06 PRECONSTRUCTION TESTING

A. Preconstruction Testing Service: Engage a qualified architectural conservator or historic treatment specialist to perform preconstruction testing on historic doors as follows:
   1. Provide test specimens representative of proposed materials and existing construction for wood species identification and determination of original finishes on wood, metal, and Kalamein doors.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Store materials and completed fabricated wood items in a dry, well-ventilated area completely protected from the weather. Comply with temperature and humidity requirements for storage and installation.
   1. Maintain temperature between 60-80 degrees F and relative humidity between 45-65 percent for wood elements. At no time should relative humidity level be above 70 percent.

B. Salvaged, repaired doors shall not be delivered to the site until ready to be installed.

C. Deliver packaged material in original unbroken packages with the manufacturer's name, brand and material standard indicated plainly thereon.

D. Protect sanded and prefinished surfaces during handling and installation. Keep such surfaces covered with polyethylene film or other suitable protective covering.

E. Pack, deliver, and store products in suitable packs, heavy-duty cartons, or wooden crates; surround with sufficient packing material to ensure that products will not be deformed, broken, or otherwise damaged.

F. Replace broken, lost, or damaged adjacent materials resulting from repair, removal, cleaning or finishing of woodwork under this section.

1.09 LEAD-CONTAINING PAINT

A. Work that disturbs lead-containing paint (LCP) shall be done in accordance with applicable OSHA regulations, Title 29, Section 1929.62, Code of Federal Regulations, OSHA, US Department of Labor.

B. Dispose of lead-containing paint chips as hazardous waste according to federal, state, and local regulations: New York State Department of Environmental Conservation (NYSDEC), Title 6, Park 364, and Parts 370-374; and US Department of Transportation, 49CFR Parts 173, 178, and 179.

C. Comply with all applicable regulations for the containerization, transportation, and disposal of hazardous waste.

1.10 PROTECTION

A. Take necessary precautions to protect persons (whether engaged in the work of this Section or not), property and materials from hazards of any kind, including fire, associated with the work of this Section.
   1. Working fire extinguishers must remain on the worksite at all times.

B. Place paint or solvent soaked rags, waste, overalls, or other material which might constitute a fire hazard in metal containers and removed from the premises daily in accordance with Director's Representative's requirements for waste removal.

PART 2 PRODUCTS

2.01 BASIC REQUIREMENTS

A. The grades of materials under this section shall be as defined by the rules of the recognized association of lumber manufacturers producing the materials specified. Wood for millwork shall conform to, or exceed, the requirements of "Premium Grade, Class 1 " as established by Quality Standards or the Architectural Woodwork Institute (AWI) and shall be provided in the cuts and figure required to match existing wood. Where conflicts occur between these standards and this Specification, the more stringent requirement shall govern in each case.

B. Lumber and finished woodwork throughout shall be of sound stock, thoroughly seasoned, free from all knots, and if new, kiln–dried to a moisture content not exceeding 6–11% for millwork.

C. Work that is to be finished shall be free from defects or blemishes on surfaces exposed to view that will show after the finish coat of varnish or paint is applied. Any materials which are in any way defective and do not meet specifications for quality and grade, or are otherwise not in proper condition, shall be rejected.

D. Where any manufacturer makes more than one grade of each material specified, the Contractor shall use the highest grade of each type, whether or not the material is mentioned by trade name in these specifications.

E. Follow manufacturer's instructions regarding preparation of surfaces, mixing, applying, drying, etc. In case of conflict with this specification, the more stringent shall govern.

2.02 MATERIALS

A. Tools and Equipment:
   1. Power saws may not be used during the removal of the woodwork without approval by Director's Representative.
   2. Handheld power tools to be used for the removal of paint or varnish shall be equipped with vacuum attachments that control air–borne lead dust.

B. General Cleaning Materials:
   1. Cleaning Pads: Scotch-Guard Red Pads

2. Cleaning Pads: 0000 steel wool pads, clean and free of contaminants and corrosion.
3. Clean lint-less cotton rages and cheesecloth.

C. Protection Materials:
1. Foam Boards which do not off-gas: 1/4" to 2" thick boards, 4' by 8'.
2. Gaffers Tape: 3M.
3. Low-Tack Masking: 3M.
4. Plywood: 1/4" to 3/4" thick.
5. 2 X 4-inch blocking.
6. Cotton batting shall be 100% unbleached cotton.
7. Polyethylene sheeting.

2.03 ARCHITECTURAL CONSERVATOR FOR FINISHES INVESTIGATION

A. Retain the services of an Architectural Conservator to perform a finishes investigation of the interior wood elements to remain. Acceptable companies include:
1. EverGreene Architectural Arts, 212-244-2800
2. Mary Kay Judy, info@marykayjudy.com
3. Cultural Heritage Conservation, 518-821-4240.

2.04 HISTORIC DOORS CLEANING PRODUCTS

A. Cleaning Materials:
1. Detergent Solution: Solution prepared by mixing 2 cups of tetrasodium pyrophosphate, 1/2 cup of laundry detergent that contains no ammonia, 5 quarts of 5 percent sodium hypochlorite bleach, and 15 quarts of warm water for each 5 gal. of solution required.
2. Mildewcide: Commercial, proprietary mildewcide or a solution prepared by mixing 1/3 cup of household detergent that contains no ammonia, 1 quart of 5 percent sodium hypochlorite bleach, and 3 quarts of warm water.

B. Paint and Varnish Removers:
1. Commercial, proprietary, organic solvent-based coating remover designed to remove paint and varnish from wood surfaces.

C. Paint Removal from Hardware.
1. Boiling water and baking soda (1/4 cup per 1 quart of water).

2.05 WOOD REPAIR MATERIALS

A. Source Limitations: Obtain wood consolidant and wood-patching compound from single source from single manufacturer.

B. Wood Consolidant: Ready-to-use product designed to penetrate, consolidate, and strengthen soft fibers of wood materials that have deteriorated because of weathering and decay and designed specifically to enhance the bond of wood-patching compound to existing wood. Acceptable products include:
2. ConServ 100 Flexible Epoxy Consolidant, ConServ Epoxy LLC.

3. LiquidWood, Abatron, Inc.
4. RotFix, System Three Resins, Inc.,
5. Or approved equal.

C. Wood-Patching Compound: Two-part, epoxy-resin, wood-patching compound; knife-grade formulation as recommended in writing by manufacturer for type of wood repair indicated, tooling time required for the detail of work, and site conditions. Compound to be designed for filling voids in damaged wood materials that have deteriorated because of weathering and decay. Compound to be capable of filling deep holes and spreading to feather edge. Acceptable products include:
1. WoodEpox, Abatron, Inc.
2. SculpWood Putty, System Three Resins, Inc.,
3. Wood Repair Epoxy Putty, RGG Supply Company
4. Or approved equal.

2.06 WOOD REPLACEMENT MATERIALS

A. Wood, General: Clear fine-grained lumber; kiln-dried to a moisture content of 6 to 11 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide.
1. Species: Match species of each existing type of wood component or assembly unless otherwise indicated.

B. Dutchmen shall be fabricated to replicate existing profile.

2.07 HARDWARE

A. Where acceptable to Director's Representative, reuse existing hardware and make operable.

B. Replacement Hardware: Replace existing damaged or missing hardware with new hardware that matches the existing in material and design.
a. Changes to knob and locking hardware for security reasons shall take precedence over this requirement.

C. Provide replication hardware and all fasteners for historic doors. Finish is to match historic.

2.08 PUTTIES, ADHESIVES, AND FASTENERS

A. Fillers for holes and losses in wood: Pigmented oil-based putty formulated specifically for use on wood.

B. Wax touch-up crayons in color to match surrounding wood.

C. Glues shall be non-staining waterproof wood glue as manufactured by 3M Company, Pittsburgh Plate Glass Company, or Borden Company.

D. Provide new screws to match existing.

E. Provide new nails and brads to match existing.

2.09 WOOD FINISHES

A. Unfinished Replacement Units: Provide exposed interior wood surfaces of replacement units unfinished; smooth, filled, and suitably prepared for on-site priming and finishing.

B. Wood is to be finished to match the existing finish.

C. Provide primers, paints, stains, and semi-translucent varnishes in colors and sheens to match the original colors/finishes as determined by the finishes investigation.

D. Material Compatibility:
   1. Provide materials for use within each finish system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
   2. For each coat in a finish system, provide products recommended in writing by manufacturers of topcoat for use in finish system and on substrate indicated.

E. VOC Content: Products shall comply with VOC limits of authorities having jurisdiction.

2.10 KALAMEIN REPAIR MATERIALS

A. Sheet Metal (only if replacement is required): Provide sheet metal to match existing in metal type a gauge. Sizes, profiles and shapes to match existing.

B. Fasteners are to be compatible with existing sheet metal.

C. Miscellaneous Materials: Provide protective coatings, separators, sealants, and accessory items as recommended by metal sheet manufacturer and fabricator, except as otherwise indicated.

D. Patching Epoxy: For patching applications not exceeding ½-inch in thickness, provide two component, solvent free, moisture insensitive, low modulus, nonsag epoxy binder complying with ASTM C 881, Type III, Grade and Class as recommended by manufacturer for applications indicated; “Sikadur 23, Lo Mod Gel” by Sika Corp., or other product recommended by manufacturer for use on exterior metal surfaces subject to thermal movement.

E. Wood framing components: Wood framing components shall be sized to match existing framing and shall be preservative treated.

PART 3 EXECUTION

3.01 EXAMINATION

A. Before starting any work of this section, the Contractor shall make a complete inspection of all doors scheduled for work to confirm all repairs. Review the Contract Drawings describing existing conditions of concern and carefully inspect these areas. Bring to the attention of the Director's Representative any and all areas of adverse conditions. Do not proceed until any discrepancies are resolved.

B. Examine all adjoining work on which this work is in any way dependent for proper installation and workmanship. Report to the Director's Representative any conditions which prevent the performance of this work.

C. Take all necessary field measurements and documentation and verify all installation conditions prior to dismantling, submission of shop drawings/sketches and other submittals, and prior to ordering and fabrication of materials.

3.02 GENERAL

A. Refer to the Door Schedule for specific repairs to each door.

B. Protect adjacent materials from damage by historic treatment of wood doors.

C. Condition replacement wood members and replacement units to prevailing conditions at installation areas before installing.

D. Historic Treatment Appearance Standard: Completed work is to have a uniform appearance as viewed by Director's Representative from the door at 10 ft. away.

E. In treating historic items, disturb them as minimally as possible.

F. Stabilize and repair wood doors to reestablish structural integrity and weather resistance while maintaining the existing form of each item.

G. Do not use abrasive methods such as sanding, wire brushing, or power tools except as indicated as part of the historic treatment program and as approved by Director's Representative

3.03 DOOR REMOVAL

A. Doors scheduled for repair shall be removed and restored off-site, or in a designated area of the armory.

B. Label each door and/or leaf to be removed per the approved labeling plan.

C. Identify removed doors, frames, leaves, trim, and members with numbering system corresponding to door locations to ensure reinstallation in same location. Key doors, frames, leaves, trim, and members to Drawings showing location of

each removed unit. Permanently label units in a location that will be concealed after reinstallation.

D. Remove doors by removing the hinge pin or removing the hinge from the door frame. Label all dismantled hardware and hinges and store with the door for shipment to shop.

E. Carefully protect and crate the doors for transportation to the shop.

F. Storage Containers
1. Store removed doors in containers constructed of nominal 2-inch by 4-inch wood framing and ½-inch plywood. The containers will be sized so that one door or leaf fits within the crate. The container will be completely lined with polyethylene foam and polyethylene sheeting. The seams of the polyethylene sheeting will overlap by at least 6 inches.
2. The following sequence of protection layers within each crate will be used:
   a. Polyethylene sheeting.
   b. Ethafoam.
   c. Door wrapped in 100 percent cotton batting.
   d. Ethafoam.

3. The storage containers will be clearly labeled with its content on the exterior of the container. Labeling will be approved by the Director's Representative prior to dismantling. Labels will include the following information: contract number, building name, and door label.

G. Protection of Openings: Where doors are indicated for removal, cover resultant openings with temporary enclosures so that openings are weather-tight during repair period.

3.04 CLEANING

A. Clean and prepare surfaces to be repaired according to manufacturer's written instructions for each particular condition and as specified.
1. Remove dust, dirt, oil, and grease by washing with a detergent solution; rinse thoroughly with clean water and allow to dry.
2. Remove mildew by scrubbing with a commercial wash formulated for mildew removal or custom-made mildewcide.
3. Remove paint splatter from doors by gently lifting paint with a chisel tipped X-acto blade. Care must be taken not to damage the historic finish.

B. Remove painted finishes from the hardware.
1. Carefully remove the hardware from the door.
2. Heat a pot of water in a solution of baking soda (1/4 cup baking soda for 1 quart of water).
3. Once water is boiling, place hardware in the boiling water, let boil for approximately 15 minutes.
4. After approximately 15 minutes, paint should fall off of the metal. Use a soft natural bristle brush or soft cloth to remove any painting residue.

3.05 DUTCHMAN REPAIRS

A. Repair deteriorated, split, or missing wood larger than 1” x 1” x 1/2" with Dutchman repairs. Wherever possible, reuse existing salvaged wood. Use the following procedure for Dutchman repairs:
   1. Neatly cut out defective materials and enough sound wood to bond Dutchman to sound substrate. Form a prismatic void in existing wood with square corners and edges. Cut Dutchman to exactly fit void, with exposed portion matching original profile of woodwork, and grain of Dutchman parallel to original wood grain direction.
   2. Secure Dutchman with waterproof adhesive and clamp in place until glue is set.
   3. Where it is necessary to cut off an end of a component and install Dutchman, use a diagonal scarf joint for end–to–end joints.
   4. Sand to smooth surface.

3.06 WOOD PATCH TYPE REPAIRS

A. General: Patch wood that exhibits depressions, holes, or similar voids, and that has limited amounts of rotted or decayed wood.
   1. Verify that surfaces are sufficiently clean and free of paint or coatings before patching.
   2. Remove rotted or decayed wood down to sound wood.

B. Apply wood-patching compound to fill depressions, nicks, cracks, and other voids created by removed or missing wood.
   1. Prime patch area with application of wood consolidant or manufacturer's recommended primer in areas of soft or rotten wood.
   2. Mix only as much patching compound as can be applied according to manufacturer's written instructions.
   3. Apply patching compound in layers as recommended in writing by manufacturer until the void is completely filled.
   4. Sand patch surface smooth and flush with adjacent wood, without voids in patch material, and matching contour of wood member.
   5. Clean spilled compound from adjacent materials immediately

3.07 REPLACEMENT REPAIR

A. General: Replace parts of or entire wood door members at locations where damage is too extensive to patch.
   1. Verify that surfaces are sufficiently clean and free of paint residue before repair.
   2. Remove surface-attached items from wood surface before performing wood-replacement repairs unless otherwise indicated.
   3. Remove broken, rotted, damaged, and decayed wood member.
   4. Custom fabricate new wood to replace missing wood; either replace entire wood member or splice new wood part into existing member.
   3. Secure new wood using finger joints, multiple dowels, or splines with adhesive and nailing to ensure maximum structural integrity at each splice. Use only concealed fasteners. Fill nail holes and patch surface to match surrounding sound wood.

B. Reinstall units removed for repair into original openings.

3.08 UNIT REPLACEMENT

A. Where damage is too extensive to repair, replace existing wood door, door trim or components with new custom-fabricated pieces to match original in wood species, grain, size, shape, and profile.

3.09 KALAMEIN DOOR REPAIR

A. If required, form new pieces for insertion in or joining to existing work to produce complete exterior metalwork assemblies where necessary and only as directed by Director's Representative.

B. Fabricate items accurately and assemble neatly to ensure work smooth and free from dents, tool marks, visible waves, warp, buckles and conspicuous joints.

C. Use compatible fasteners to fasten loose and new metal to wooden substrate.

D. Where necessary and only as directed by the Director's Representative, restore missing pieces, cracks or broken surfaces, by filling with sheet metal pieces applied with epoxy adhesive or by patching with epoxy paste consistency binders to fill voids completely and build up thickness of material as required and molding infill to shape matching existing work.

E. Where wood substrate is deteriorated, carefully remove and salvage sheet metal cladding and repair wood as described above. Reinstall removed sheet metal cladding by fastening to wooden substrate using compatible fasteners.

F. Install replication sheet metal elements including all elements of framing and anchorage only as directed by Director's Representative.

G. Assemble all joints to form imperceptible intersections between replication elements and extant sheet metal work when finished.

3.10 REFINISHING

A. The Main Entry Doors, and the doors between the Entry Hall and Drill Hall (non-Kalamein) shall be completely refinished to match original finish as determined by the Architectural Conservators Finishes Investigation Report.
   1. Other doors in Priority Historic Areas shall have their original finishes recreated at the direction of the Director's Representative.
   2. Kalamein Doors are not to have their historic finishes removed, but should be repainted by a decorative painter to match the historic appearance as determined by the Architectural Conservator's Finishes Investigation.

B. The remainder of the historic wood doors throughout the armory will receive partial refinishing to correct deterioration and deteriorated finishes.

C. Preparation:
1. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
2. Remove hardware, covers, plates, and similar items already in place that are removable. If removal is unnecessary, impractical, or impossible because of size or weight of item, provide surface-applied protection before surface preparation and finishing.
   a. After completing finishing operations, reinstall items that were removed. Remove surface-applied protection if any.
3. Completely remove the existing finishes from the door down to bare substrate using approved means and methods established through testing and the mockups.
4. Scrape and clean wood knots and apply coat of knot sealer before applying primer.
5. Apply wood filler paste to open-grain woods, as defined in "MPI Architectural Painting Specification Manual," to produce smooth, glasslike finish.
6. Sand wood surfaces that will be exposed to view and dust off.
7. Prime surfaces scheduled to receive paint.
8. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

D. Application:
1. Apply finishes according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."
   a. Use applicators and techniques suited for finish and substrate indicated.
   b. Finish surfaces behind movable equipment and furniture same as similar exposed surfaces.
2. Apply finishes to produce surface films without cloudiness, holidays, lap marks, brush marks, runs, ropiness, or other surface imperfections.

3.11 DOOR REINSTALLATION

A. Install units, hardware, weather stripping, accessories, and other components as indicated on Shop Drawings.

B. Install units level, plumb, square, true to line, without distortion or impeding movement, anchored securely in place to structural support, and in proper relation to wall flashing, trim, and other adjacent construction.

C. Set threshold or sill members in bed of sealant for weather-tight construction unless otherwise indicated.

D. Install door units with new anchors into existing openings.

3.12 ADJUSTING

A. Adjust existing and replacement operating leaves, screens, hardware, and accessories for a tight fit at contact points for smooth operation. Lubricate hardware and moving parts.

3.13 CLEANUP AND PROTECTION

A. Protect door surfaces from contact with contaminating substances resulting from construction operations. Monitor door surfaces adjacent to and below exterior concrete and masonry during construction for presence of dirt, scum, alkaline deposits, stains, or other contaminants. If contaminating substances contact door surfaces, remove contaminants immediately.

B. Clean spilled materials from adjacent surfaces immediately.

C. Clean exposed surfaces immediately after historic treatment of wood doors. Avoid damage to coatings and finishes. Remove excess sealants, glazing and patching materials, dirt, and other substances.

D. The Contractor shall leave the work site free of all debris at the end of each working day.

E. Work and adjacent areas shall be clean and free of all loose materials, debris, and construction materials.

F. Repair damaged and defective finish carpentry work wherever possible to eliminate defects functionally and visually; where not possible to repair properly, replace woodwork. Adjust joinery for uniform appearance. Restore any marred or damaged areas using approved means at no expense to the client.

END OF SECTION

SECTION 133419

PRE-FABRICATED OUTDOOR BOILER ROOM MODULES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 21, 22, 23, 25, and 26 Specification Sections apply to this Section.

1.02 SUMMARY

A. Section includes design, performance criteria, equipment, and installation requirements for modular pre-fabricated boiler room. The modular pre-fabricated boiler room will include boilers, hot water connections; makeup water connections and specialties; variable volume pumps for hot water systems; hydronic specialties; control panel including variable frequency drives; factory pre-wired single point 460-volt/3-phase/3-wire electrical connection by Division 26 Contractor.

1.03 PACKAGED SYSTEM COMPONENTS

A. Refer to individual specification sections associated Divisions 21, 22, 23, 25, and 26 herein and the design drawings for equipment schedules and requirements associated with each system component.

1. Condensing boilers
2. Condensing hot water storage haters
3. Pumps and pumping accessories
4. Piping Systems (Hot water, makeup water, etc.)
5. Hydronic specialties (Air Separators, Expansion Tanks, suction guides, etc.)
6. Valves, instrumentation
7. Variable frequency drives
8. Cabinet heating/cooling systems
9. Closed loop chemical treatment equipment

1.04 REFERENCES

A. ARI 550/590: Water Chilling Packages using the Vapor Compressing Cycle

B. ASHRAE 15 (American Society of Heating, Refrigerating and Air-Conditioning Engineers) - Safety Code for Mechanical Refrigeration.

C. UL 1995 (Underwriters Laboratories, Inc.) – Heating and Cooling Equipment.

D. ASTM A-525: Specification for General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process

E. American Society for Testing and Materials (ASTM)

F. Occupational Safety and Health Association (OSHA)

G. Air Movement and Control Association, Inc. (AMCA)

H. Cooling Technology Institute (CTI)

I. Antifriction Bearing Manufacturing Association (AFBMA)

J. American National Standards Institute (ANSI)

K. National Electric Code (NEC)

L. National Electrical Manufacturer Association (NEMA)

M. Sheet Metal and Air Conditioning Contractors' National Association (SMACNA)

N. American Society of Mechanical Engineers (ASME)

O. Underwriters Laboratories (UL)

1. UL 1479: Fire Tests of Through-Penetration Fire Stops
2. UL Canada (ULC)Approval:
    a) CAN/ULC-S101: Standard Methods of Fire Endurance Tests of Building Construction and Materials
    b) CAN/ULC-S114: Standard Method of Test for Determination of Non-Combustibility in Building Materials
    c) CAN/ULC-S115: Standard Method of Fire Tests of Firestop Systems

1.05 SUBMITTALS

A. Submittals shall include the following as a minimum:
1. General arrangement drawings including overall dimensions, modules weights, equipment clearances.
2. Electrical single-line diagrams
3. Piping and instrumentation diagrams
4. Equipment performance data at the design operating points

B. Shop Drawings: Shop Drawings: Drawings shall show specific application to this Project. Submit all required drawings in one submission, except as noted.

1. Erection Drawings: Manufacturer's complete erection drawings. Indicate manufacturer's identification marking for the components.
2. Structural Drawings:
    a. Manufacturer's drawings showing base plate dimensions and foundation loads for all columns and/or rigid frames.
    b. Manufacturer's drawings showing anchoring details for the sill members, door jambs, and other miscellaneous items requiring connections to the concrete foundation.
    c. Manufacturer's details for any proposed wall wind bracing system other than portal columns as shown.
    d. Foundation drawings showing dimensions and elevations of all piers, walls, and footings required.
    e. Anchor bolt plan showing the location of all columns and/or rigid frames, and the location of all necessary anchor bolts or other main framing connections to the concrete foundation.

f. Anchor bolt and tie rod details
g. **Note:** Drawings required under 2.d., 2.e., and 2.f. shall not be submitted until the manufacturer's drawings required under 2.a., 2.b., and 2.c. have been approved.

3. Architectural Drawings: Architectural detail drawings for all auxiliary building components and accessories.

C. Submit an Environmental Product Declaration (EPD) from the manufacturer for steel 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.*

D. Product Data: Manufacturer's catalog sheets, specifications and installation instructions for the following.

1. Roofing panels.
2. Exterior wall panels.
3. Interior liner panels.
4. Doors.
5. Louvers.
6. Ventilators.
7. Trim, exterior and interior.
8. Flashings.
9. Insulation.
10. Sealants and gaskets

E. Samples:

1. Twelve inch square corner sections:
   a. Roofing panel.
   b. Exterior wall panel.
   c. Interior liner panel.
   d. Roof and wall insulation.
   e. Pedestrian door
2. Twelve inch long sections:
   a. Purlin.
   b. Girt.
   c. Corner, rake and eave trim.
   d. Ridge cover.
   e. Pedestrian door frame.
   f. Thermal break, each type

F. Quality Control Submittals:

1. Design Calculations: Manufacturer's design calculations, signed and sealed by a licensed Professional Engineer, for the structural framing and exterior wall and roofing panels.

a. The Engineer's cover letter shall state that he or she has received a set of the Contract Drawings and Specifications and that the design calculations are based on the requirements of the Contract Drawings and Specifications.
b. Design shall take into consideration the necessary clearance for the overhead door track at the rigid frame compression flange bracing, and the necessary increase in girt height at the concrete unit masonry core area.

2. Certificates: Metal building manufacturer's written certification that the structure has been designed in conformance to the specified design loading and other design requirements. Note: This is a pre-award submittal; refer to Supplementary Instructions to Bidders - Condition of Award.

G. Contract Closeout Submittals:
1. Warranties:
a. Roofing Panels: Metal building manufacturer's 30 year warranty on roofing panels and related trim against rupture, structural failure, or perforation due to atmospheric corrosion.
b. Exterior Wall Panels: Metal building manufacturer's 30 year warranty for factory applied color finish on exterior surfaces of exterior wall panels and related trim against blistering, peeling, cracking, flaking, checking, chipping, color change exceeding 5 N.B.S. units (per ASTM D-2244), and chalking exceeding a rating of 8 (per ASTM D-659).

1.06 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: Submit start-up instructions, maintenance data, parts lists, and accessories for all internal equipment. Include trouble-shooting guides.

B. Provide detailed manufacturer's startup checklist for packaged plant along with individual internal component startup documentation.

1.07 QUALIFICATIONS

A. Manufacturer shall be a company specializing in the design and manufacture of Packaged Pre-fabricated boiler rooms.

B. Each unit shall bear an ETL or UL label under UL Standard 1995 indicating the complete unit is listed as an assembly. ETL or UL listing of individual components, or control panels only, is not acceptable.

C. Installer: Company specializing in performing work of this section with minimum five-year experience.

1.08 DELIVERY, STORAGE, AND HANDLING

A. The mechanical contractor shall be responsible for receiving the Packaged Pre-fabricated boiler room on site in factory packaging along with any ship-loose materials. Contractor to inspect for damage and confirm receipt of all ship-loose materials. The manufacturer of the Modular Pre-fabricated boiler room shall provide a factory trained and authorized representative to be on site when the equipment arrives.

B. The Modular Pre-fabricated boiler room shall be factory fabricated, tested, and delivered to the jobsite by the manufacturer as a complete unit (or in individual modules for field

re-assembly) containing all major equipment and piping. Field fabrication of the Modular Pre-fabricated boiler room is not acceptable.

1.09 MANUFACTURER FIELD SERVICES

A. Provide assistance on startup and checkout of all internal equipment and systems provided with the modular pre-fabricated boiler room including, pumps, water treatment equipment, VFD's etc. including all travel and living expenses.

B. Provide onsite assistance on installation and of modular pre-fabricated boiler room.

1.10 WARRANTY

A. The complete unit shall be covered by the overall contract warranty associated with the project. Warranty shall include 1 year parts and labor from start-up. Refer to equipment-specific specification sections for additional information regarding equipment warranties.

1.11 QUALITY ASSURANCE

A. Manufacturer's Qualifications: The manufacturer of the pre-engineered metal building shall be regularly engaged in the design and fabrication of pre-engineered, pre-fabricated metal buildings, shall have furnished such buildings for five similar projects that have been in use for not less than five years, and shall be subject to the approval of the Director. The building manufacturer shall be capable of furnishing compatible auxiliary building components and accessories shown or specified.

1. If requested, furnish to the Director the names and addresses of five similar projects where the manufacturer's building has been in use for five years.

B. Installer's Qualifications: The person supervising the installation of the work of this Section shall be experienced in pre-engineered metal building work, and shall have been regularly employed by a company engaged in the erection and installation of such buildings for a minimum of three years.

1. If requested, furnish to the Director the names and addresses of three similar projects for which the supervisor has supervised the erection and installation of pre-engineered metal buildings.

C. Regulatory Requirements:

1. Code: Comply with the applicable provisions of the New York State Uniform Fire Prevention and Building Code.

2. Column Fire Rating: Comply with the applicable specifications and details of Underwriters Laboratories, Inc.

3. Building Grounding: Comply with National Electrical Code.

D. Inspection: Quality assurance inspection may be made by the State. If quality assurance inspection is made by the State, it shall not relieve the fabricator or erector of responsibility for their own quality control program.

PART 2 PRODUCTS

2.01 MANUFACTURER

A. Basis of Design Product: Subject to compliance with the requirements spelled out in this specification, the Basis of Design shall be Flex Air, a division of Miller Industries, LLC. In lieu of using the Basis of Design, the contractor shall be permitted to use one of the following approved manufactures:
   1. Environmental Air Services (EAS)
   2. Turbine Air Systems (TAS)
   3. Epsilon

B. Approved Equal (Prior written approval by engineer of record is required)

C. Deviation from basis of design is at the sole risk of the contractor. All costs associated with, but not limited to additional drawing reviews, modifications to systems, etc., shall be the responsibility of the contractor.

2.02 GENERAL

A. The Modular Pre-Fabricated Boiler Room (referred to herein as MBR) shall be completely factory assembled and tested. The equipment's capacity and performance shall meet or exceed the values on the schedule. Tags and decals to aid in service or indicate caution areas shall be provided. Electrical wiring diagrams shall be attached to the control panel access doors. Operation and maintenance manuals shall be furnished with each unit both electronically and in hard copy. All system components, accessories, sensors, wiring for power, controls, etc. shall be provided as necessary for a complete and operable system.

B. The MBR shall meet the dimensions shown on plans, and it shall be no smaller than required to provide adequate space for maintenance. Exact dimensions and support points shall be coordinated with other trades during the shop drawing submittal phase prior to procurement. Maintenance for the MBR shall be done from the inside of the MBR where possible. Adequate space shall be provided inside the MBR for access to all internal components.

C. The MBR will be equipped with a ventilation damper and ventilation fans with associated power, controls, etc. as indicated in the design documents. All associated controls and wiring shall be factory installed. Provide emergency boiler shutdown switches, emergency ventilation switches and emergency shutdown switches at exterior package plant access doors.

D. Label all electrical and equipment components with permanently mechanically fastened blue phenolic coated nameplates.

E. Provide variable primary pumping system as indicated in the mechanical design documents. Refer to controls sequences and associated design documents for additional information.

F. The MBR shall be provided with AC wall mounted units to maintain the interior of the MBR so that controls and variable frequency drives operate without temperature faults, and to cool any electrical equipment within the plant as recommended by the equipment

manufacturer. AC units shall be completely installed and wired with all necessary controls from the factory when freight limitation permits it. AC units shall be provided with digital thermostats located across space. The AC units shall be capable of heating and cooling, depending on the season they are running, heating to be performed by electric heater integral to AC unit.

G. The internal MBR components must be arranged in a serviceable manner, with adequate internal service clearances provided from within the MBR. Multiple components such as boilers, or pumps must all be accessible from within the plant through common walkways and vestibules without having to leave the plant. A common walkway servicing all boilers must be provided that is clear of any service impediments such as piping, pumps, or accessories.

H. All pumping systems must be provided with common headers to allow for any single pump to be operated with any of the major system components. For example, pumps must be piped such that any one of the pumps can operate with any one of the boilers. Refer to design documents including schematic design diagrams for additional information.

2.03 PACKAGED PRE-FABRICATED BOILER ROOM CONSTRUCTION

A. The modular pre-fabricated boiler room shall be factory assembled and shipped in one piece except where (a) otherwise specified and (b) where trailer physical limitations prevent such shipment. If this occurs, the enclosure shall be shipped in sections for field re-assembly by others. The design shall be such that all equipment, piping and related components required for system operation shall be contained within and air conditioned (40°F minimum to 95°F maximum inside design temperature) weatherproof enclosure as detailed in this specification section. All roof, walls, and panels shall meet the specified R values. Cabinets shall be constructed in a watertight manner.

The base shall be built of Type ASTM A36 welded structural steel c-channel, 6-inch minimum height, sized by structural design calculations and reinforced to meet or exceed specified loads. All critical load bearing points shall be engineered for structural integrity to meet both stationery and shipping thrust inertia. The entire enclosure shall be designed to meet or exceed the loading (wind, snow/sand, live and dead loading, lifting) as required for the site-specific criteria outlined in the relevant parts of this specification. The base structure shall be of a welded design. The steel base shall include lifting lugs as required for rigging of entire shipping modules, lifting lugs to be certified and spammed by a PE. Structural steel members shall be located to facilitate the mounting of all major equipment. Mounting of this equipment to unsupported deck plate is not permitted. The deck shall be a minimum of 3/16” HRS steel, welded to the structural base steel and finished as described above. The floor must be covered by high build or Factory applied powder coat (3 to 5 mils) marine grade epoxy paint Coating shall pass ASTM B-117 1,000-hour salt spray test. Color shall be manufacturer’s standard or as specified by Architect. Bolting of the deck to the base steel is not permitted. The design of the base shall include the installation of drain receptacles at strategic locations as required for water drainage that may occur during routine maintenance functions on equipment and/or pipe systems or to accommodate any spills or leaks that may occur.

The base shall be insulated with a closed cell, polyurethane foam system designed for spray applications. The insulation thickness shall be 3”. Foam shall be a two-component,

medium density one to one by volume spray applied polyurethane foam system. UPC 2.0 system consists of an “A” component (ISO) and a blended “B” component (RESIN) in separate drums. UPC 2.0 system utilizes HFC-245fa blowing agents.

1. Compressive Strength: 35 psi
2. Core Density: 2.0 pcf.
3. R-Value @ 1”: 6.6

B. The wall and roof frame shall be constructed of prefabricated insulated panel mechanically fastened with a system designed by a structural engineer, structural calculations and reinforced to meet or exceed specified loads. Roof design shall incorporate roof panels as detailed below. The roof assembly shall be covered with a 90-mil EPDM rubber membrane and utilize a sloped (1/4" per foot minimum) to allow for proper drainage, for the MBR with multiple modules the joints on the roof of these modules will be finished/sealed in the field by others and the pre-fab room manufacturer will provide the EPDM material. Assembly shall include all flashing, counter flashing and gutters as required to properly weatherproof the enclosure.

C. WALL PANELS

1. Performance Criteria

a. Structural Test: Structural performance shall be verifiable by witnessed structural testing for simulated wind loads in accordance with ASTM E72. Deflection criteria shall be L/180.

b. Thermal Properties: The panel mineral fiber core shall provide an R-value of 4.0 per inch thickness when tested in accordance with ASTM C518

c. Penetration and Firestop Test: The finished panel with 4 inches and 6 inches thick mineral wool core and steel skins with maximum 6” diameter through penetration firestop systems meet requirements of 1 hour and 2 hour fire resistance performance in accordance with ASTM E814 and UL 1479.

d. Water Penetration: There shall be no uncontrolled water penetration through the panel joints at a pressure differential of 20 psf, when tested in accordance with ASTM E331.

e. Air Infiltration: Air infiltration through the panel shall not exceed 0.01 cfm/sf at 6.24 psf air pressure differential when tested in accordance with ASTM E283.

f. Insulating Core:

1. Density: 8.5 lb. /cu. ft. +/- 10% or minimum 7.65 lb. /cu. ft., maximum 9.4 lb. / cu. ft.; in accordance with ASTM C303.
2. Combustibility: Non-combustible at 1382º F in accordance with ASTM E136.
3. Combustibility: Non-combustible when tested in accordance with ULC-S114.

4. Apparent thermal conductivity of mineral fiber core: Maximum “k” factor at 75º F. mean temp. - 0.25 Btu in/h ft^2 ºF (R=4.0 ft^2 ºF h / Btu inch thickness) in accordance with ASTM C518.
5. Compressive Strength: Force applied parallel to fiber orientation (cut lamella pieces) Maximum 10% deformation at 9.2 KN of force in accordance with ASTM C165.
6. Dimensional stability: Linear shrinkage 2% max. at 1200º F in accordance with ASTM C612.
7. Moisture resistance: Water vapor absorption - 5% max. by weight in accordance with ASTM C612.
8. Odor emission: No objectionable odor in accordance with ASTM C612.
9. Surface burning characteristics when tested in accordance with ASTM E84:

    A. Flame Spread: 0
    B. Smoke Developed: 5

10. Fire Test Response Characteristics: Steel-faced panels with mineral wool core shall comply with appropriate sections of Chapter 7 of the International Building Code regarding fire-resistance-rated construction. The following approval listings/test reports shall be available upon request for submission to the Authority Having Jurisdiction:

    ASTM E119: Panels shall have successfully passed the requirements of this standard.

    CAN/ULC-S101: Panels shall have successfully passed the requirements of this standard.

    CAN/ULC-S115: Panel penetrations shall have successfully passed the requirements of this standard.

D. All the exterior paint finish characteristics listed below shall be meet:

Gloss: 15 +/- 5 measured at 60° angle tested in accordance with ASTM D523.
Pencil Hardness: HB-H minimum tested in accordance with ASTM D3363.
Flexibility, T-Bend: 1-2T bend with no adhesion loss when tested in accordance with ASTM D4145.
Flexibility, Mandrel: No cracking when bent 180° around a 1/8 mandrel as tested in accordance with ASTM D522.
Adhesion: No adhesion loss tested in accordance with ASTM D3359.
Reverse Impact: No cracking or adhesion loss when impacted 3000 x inches of metal thickness (lb-in), tested in accordance with ASTM D2794.
Abrasion Resistance: Nominal 65 liters of falling sand to expose 5/32 inch diameter of metal substrate when tested in accordance with ASTM D968.
Graffiti Resistance: Minimal effect.

Acid Pollutant Resistance: No effect when subjected to 30% sulfuric acid for 18 hours, or 10% muriatic acid for 15 minutes when tested in accordance with ASTM D1308.
Salt Fog Resistance: Passes 1000 hours, when tested in accordance with ASTM B117 (5% salt fog @ 95° F).
Cyclic Salt Fog and UV Exposure: Passes 2016 hours when tested in accordance with ASTM D5894.
Humidity Resistance: Passes 1500 hours at 100% relative humidity and 95°F, with a test rating of 10 when tested in accordance with ASTM D2247 and D714.
Color Retention: Passes 5000 hours when tested in accordance with ASTM G153 and G154.
Chalk Resistance: Maximum chalk is a rating of 8 when tested in accordance with ASTM D4214, Method A.
Color Tolerances: Maximum of 5ΔE Hunter units on panels when tested in accordance with ASTM D2244.

a. Panel Description:

1) Panel thickness: 6 inches thick.
2) Panel width: 42 inches.
3) Fire Rating: 2 hour.
4) Panel joint: Tongue and groove interlock joint.
5) Reveal: 1/8 inch
6) Exterior Face of Panel:

a) Material:

Steel coil material shall be in accordance with ASTM A755 , AZ50 Galvalume®/ Zincalume® (55% aluminum, 45% zinc) in accordance with ASTM A792.

b) Profile: [Shadowline].
Profile description: Linear striations nominal 0.0625 inch deep by ¾ inches wide at 3 inches on center.
Texture: [Non-directional stucco embossed] [Smooth].
Gauge: [22].

7) Insulating Core: Rigid mineral wool insulation board, bonded with a thermal setting resin in accordance with ASTM C612.

E. Stainless steel floor sinks and drains with walk-on safety fibergrate grating at all pumps, boilers, makeup water stations, and in any other area where spills may occur. Route all air vent and pressure relief valve bleed connections to floor drains.

F. Durable insulated access doors shall be provided for easy access to all components. The access doors shall be fabricated with a galvanized or coated steel skin and shall be insulated with foamed polyurethane insulation with an R-13.1 value. The doors shall have 3 butt hinges and a lockable handle. All handles must be operable from both inside and outside of the unit. Access doors shall be 36-inch-wide x 80-inch high. Garage style

rollup doors are not acceptable for unit access but can be used for equipment servicing or replacement where necessary. When required, provide interior panic hardware on all doors to allow for personnel working inside of the packaged plant to exit through doors that may be locked from the outside.

PART 3 EXECUTION

3.01 FACTORY ACCEPTANCE TEST (BY MODULE VENDOR)

A. The complete boiler Module shall be assembled and tested to ensure all equipment, instrumentation, controls are functioning properly. Note: A full load test of the boiler system is not required as part of this scope. Boiler controls shall be proven to be wired and powered correctly. Manufacturer shall provide Factory Acceptance Test Procedure for review and approval 2-4 weeks prior to scheduled acceptance test.

3.02 SITE INSTALLATION

A. Installation of all Module sections in field shall be by the General Contractor; however, the Module Vendor shall provide on-site direction for all trades to guarantee proper installation techniques are followed to maintain all warranties.

B. Contractor shall ensure that exact location and connection points with other trades between Module scope and building scope has been coordinated. This includes, but is not limited to, piping connection locations, structural support locations, exact overall outer dimensions of Module, power connections including wire size, material, etc., controls wiring, floor drain piping connections, etc.

C. After installation of Module is complete, all piping, electrical and mechanical systems shall be tested in accordance with specifications. Any defects or failures found in factory-installed piping and equipment shall be repaired and retested at Module Vendor’s expense.

3.03 COMMISSIONING TEST

A. Preparation for Tests: Before the scheduled commissioning tests, the manufacturer's representative shall have prepared the boilers with the contractor for start-up and operations.

B. False Load: If the required test capacity of the boiler is greater than the building load at the time of test, false load shall be supplied or simulated in coordination with the commissioning agent. Temporary equipment or building equipment may be used to provide false load if necessary. False load may be introduced to the boiler(s) directly with temporary piping arrangement.

C. Full Load Test

1. Boilers should be tested to deliver the specified heating capacity under the specified conditions as listed in the equipment schedule. During the test, the specified conditions shall be maintained. The fuel input to the burners shall not be more than those shown in the equipment schedule.

2. Boiler system must be under steady state conditions for a minimum of one (1) hour before test data are taken.

3. Test data for boiler capacity and energy input shall be collected for a minimum of 30 minutes under steady state conditions. Test data shall be recorded in not longer than five (5)-minute intervals and shall be averaged or integrated with time.

4. Requirements for system balancing are specified in Specification Section 23 05 94.

D. Operational Control Test

1. Demonstrate proper functioning of the entire operational control of the boilers. Included in the verifications, but not limited to, are burners, level switches, feedwater switches, low water cutoff, etc.

2. Demonstrate boiler capacity control by varying the boiler load. The capacity range to be tested shall be from no load to full load and back to 25% load. The boilers must demonstrate stable operation without excess vibration and noise. Each step of control must be verified.

E. Safety Controls Tests

1. Demonstrate proper functioning of all safety cutouts in accordance with safety control requirements of the design documents.

2. Demonstrate that manual resetting is required to restart burners for all safety cutouts.

3. Demonstrate proper operation of interlocking between burners and flow switches.

4. Variables to activate safety control actions may be simulated.

F. Running and Warning Indicators Test

1. Demonstrate proper functioning of all indicating lights.

2. Testing of running and warning indicators may be performed concurrently with safety control tests.

3.04 TRAINING OF OWNER'S PERSONNEL

A. The boiler equipment Vendor shall provide factory-certified training for all of the equipment they provide for the Module.

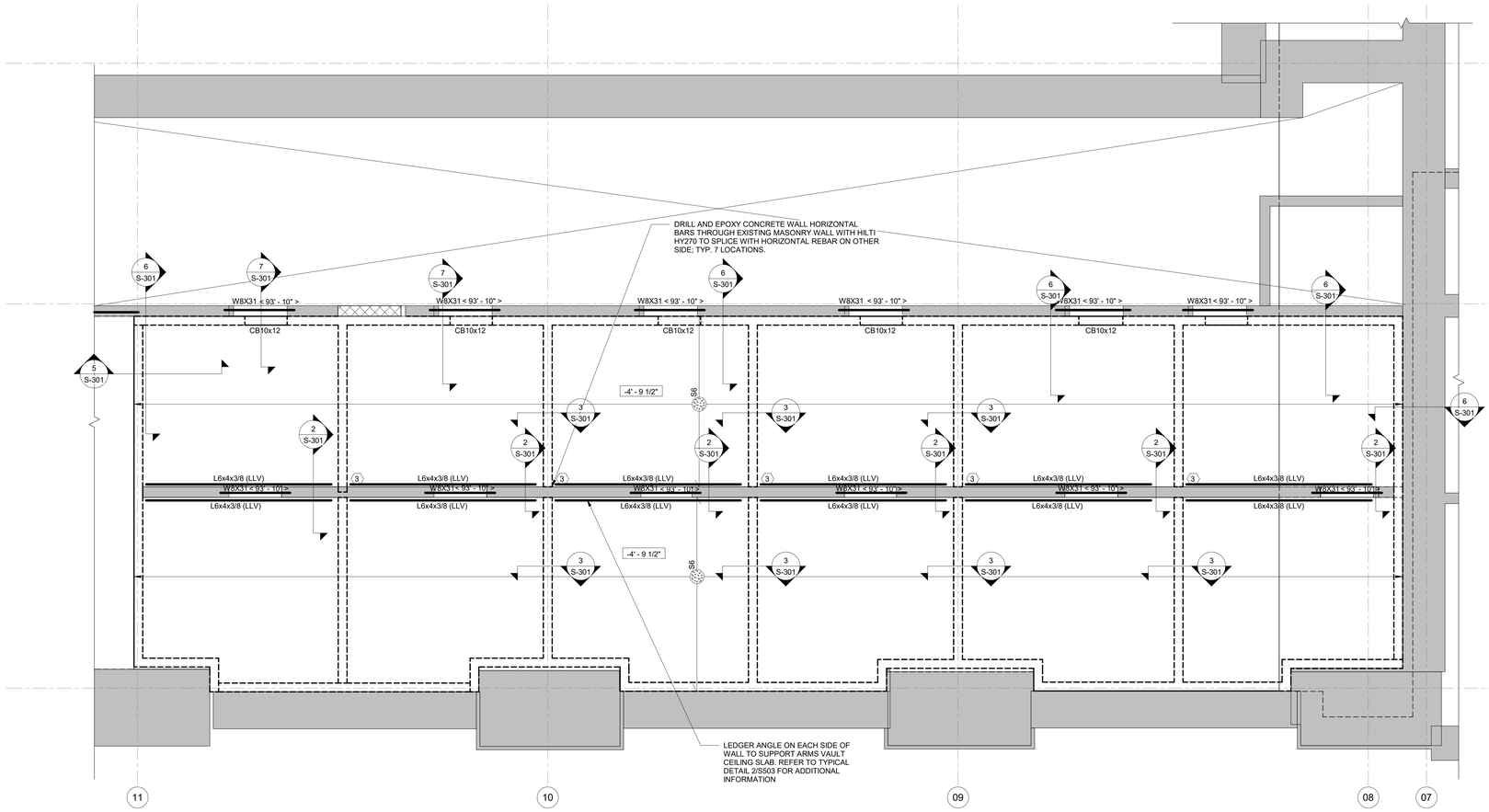
B. The Module Vendor shall be responsible for providing the Owner's operations staff with training on all equipment and systems associated with the pre-fabricated Module.

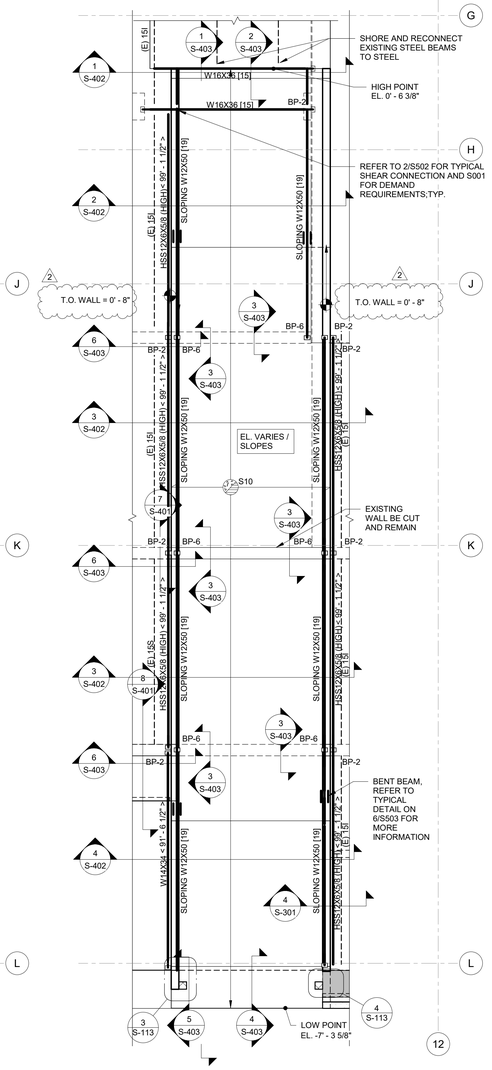
C. Part of Owner's training (by Module Vendor) shall be a complete review, acceptance and turnover of all installation and operation maintenance manuals, to the Owner, in one consolidated package.

3.05 PERFORMANCE

A. The Boiler Package and Module Vendors shall review the proposed layout and certify that the equipment shall perform as stated in the equipment schedule and within specifications. Required changes for performance shall be forwarded to Engineer for review and approval.

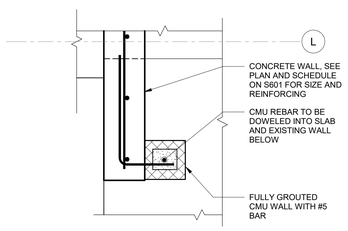
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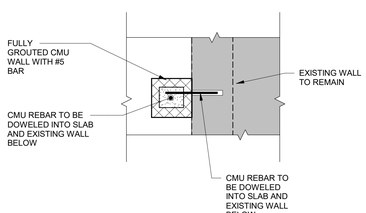
1 S-113 ARMS VAULT CEILING PART FRAMING PLAN

3/16" = 1'-0"



3 S-113 PLAN DETAIL

1" = 1'-0"



4 S-113 PLAN DETAIL

1" = 1'-0"

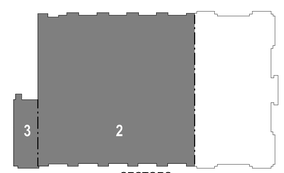
2 S-113 PART PLAN - RAMP

3/16" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI H270 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/S502
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

NOTES:

1. CONTRACTOR IS RESPONSIBLE TO COORDINATE FRAMING WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
2. SEE S001 FOR GENERAL NOTES.
3. SEE S500 DRAWING SERIES FOR TYPICAL DETAILS.
4. SEE S600 FOR SCHEDULES.
5. PROVIDE 7x6x1/2 BEARING PLATE FOR STEEL BEAMS U.O.N



KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

UNIFORM CODE WRITTEN STATEMENT:
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PROJECT NORTH

EXPIRATION DATE: 11/30/2025

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY 10010

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
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1	06-05-2024	ADDENDUM 05
	02-28-2024	BID SET

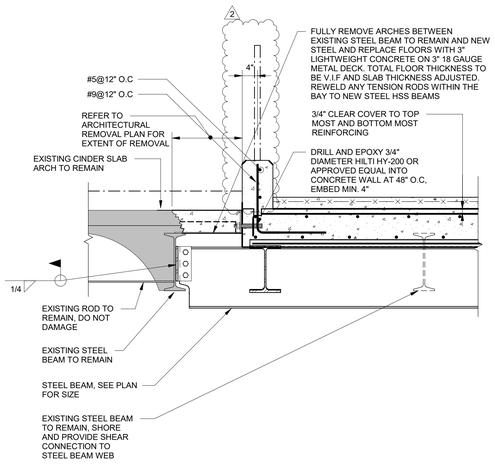
PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

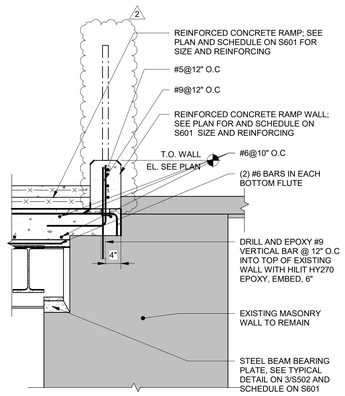
SHEET TITLE: PART FRAMING PLANS

DRAWING NUMBER: S-113

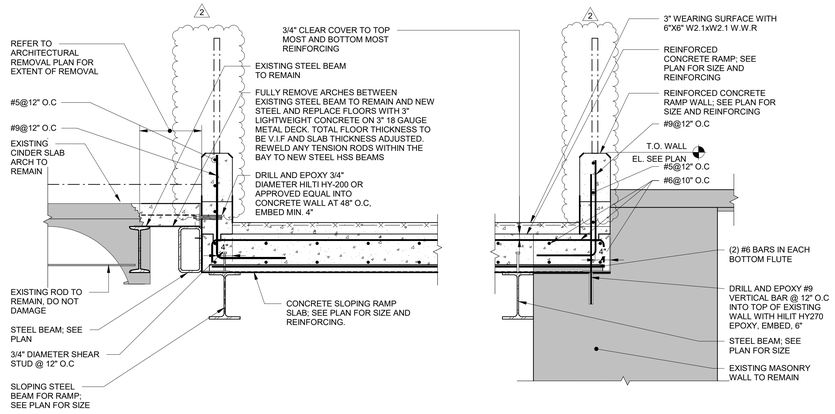
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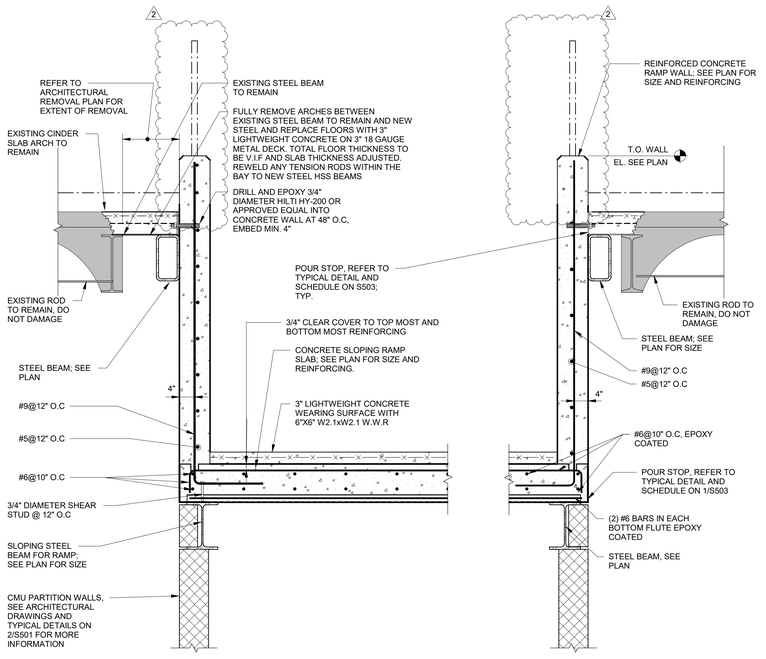




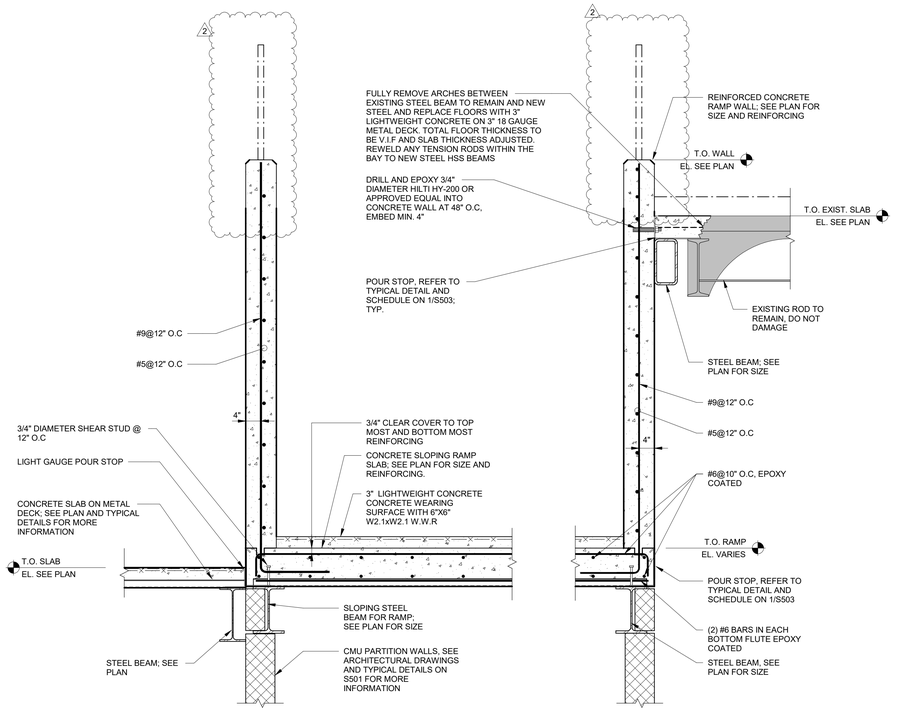
1 S-402 SECTION AT TOP OF VEHICULAR RAMP
3/4" = 1'-0"



2 S-402 SECTION AT VEHICULAR RAMP ADJACENT TO UNEXCAVATED UNDER DRILL HALL FLOOR
3/4" = 1'-0"



3 S-402 SECTIONAT TOP OF VEHICULAR RAMP
3/4" = 1'-0"



4 S-402 SECTION AT TOP OF VEHICULAR RAMP ADJACENT TO SECURITY LOBBY 140
3/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

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EXPIRATION DATE:
11/30/2025

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY 10010

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
2	06-14-2024	ADDENDUM 06
	02-29-2024	BID SET

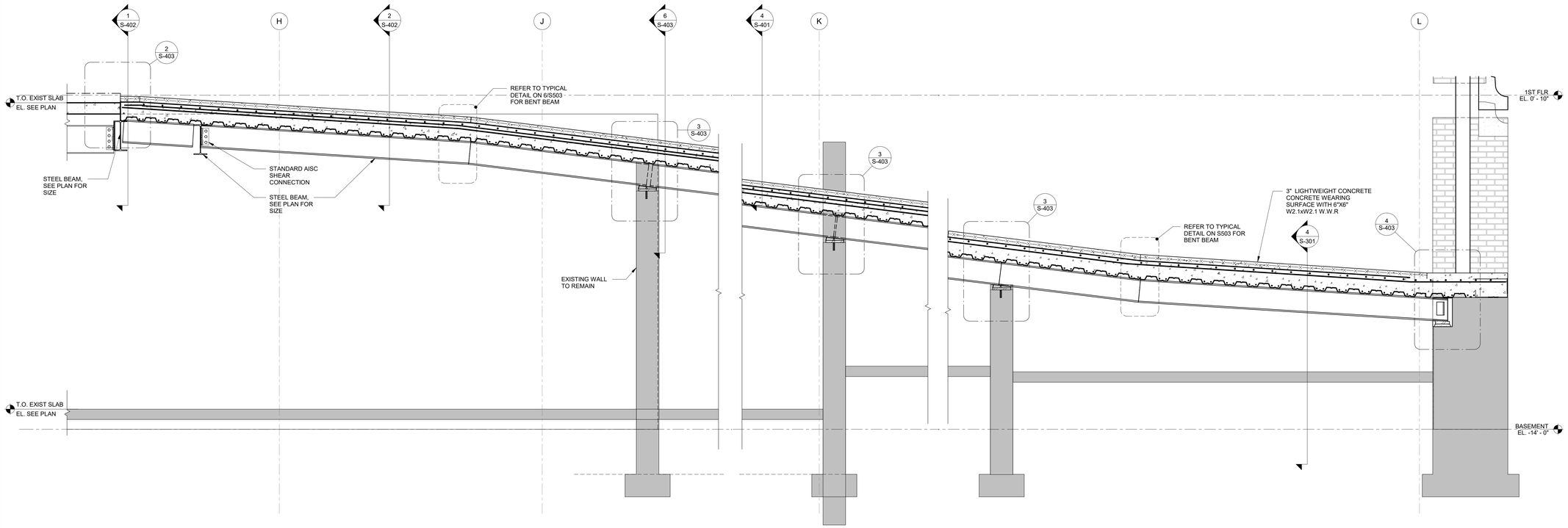
PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
RAMP SECTIONS

DRAWING NUMBER:
S-402

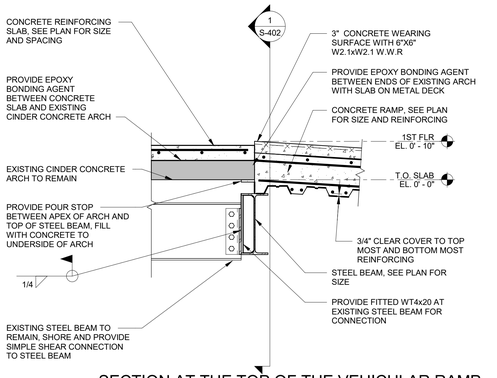
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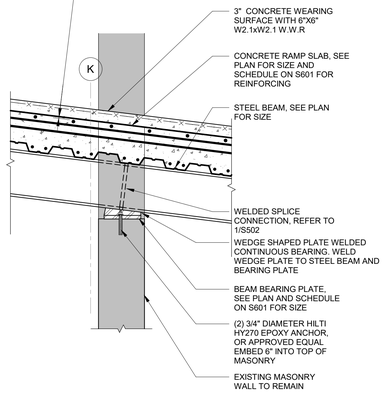
1 S-403 SECTION AT TOP OF VEHICULAR RAMP ADJACENT TO SECURITY LOBBY 140

1/2" = 1'-0"



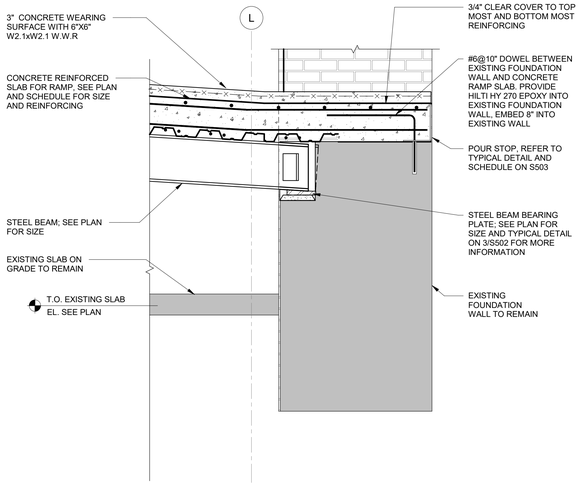
2 S-403 SECTION AT THE TOP OF THE VEHICULAR RAMP AT EXISTING BEAM

3/4" = 1'-0"



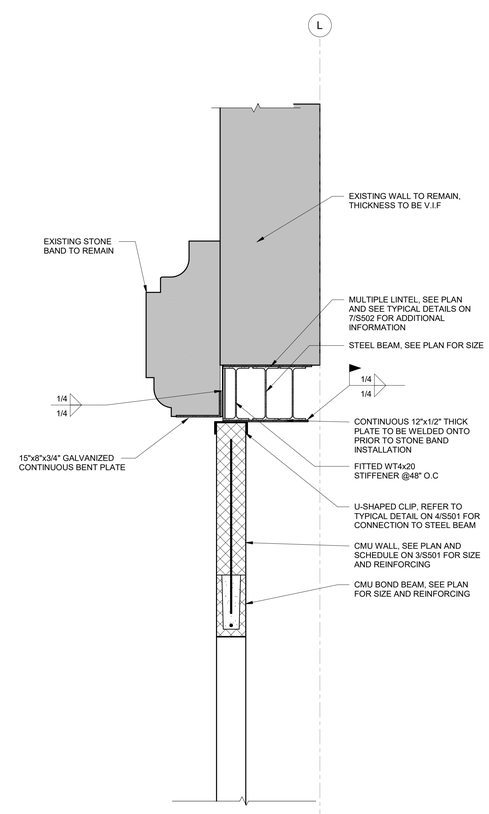
3 S-403 SECTION AT VEHICULAR RAMP SLOPED BEAM

3/4" = 1'-0"



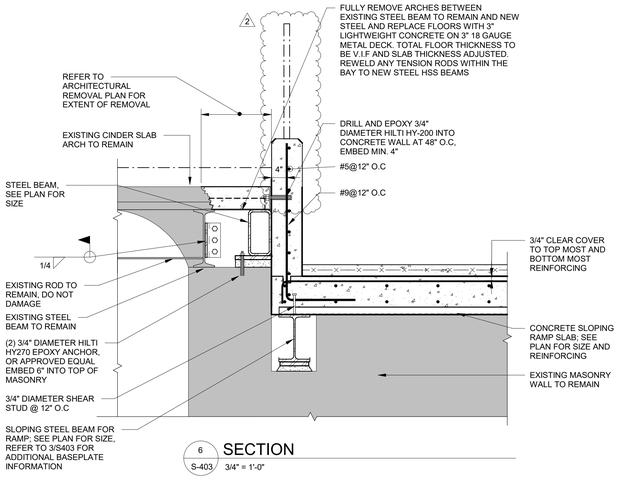
4 S-403 SECTION AT START OF VEHICULAR RAMP

3/4" = 1'-0"



5 S-403 SECTION AT HEAD OF VEHICULAR RAMP ENTRANCE

3/4" = 1'-0"



6 S-403 SECTION

3/4" = 1'-0"

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42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION
CERTIFICATE OF AUTHORIZATION #: 0018544
Silman
A TYLin Company

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EXPIRATION DATE: 11/30/2025

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY 10010

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
2	06-14-2024	ADDENDUM 06
	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: RAMP SECTIONS

DRAWING NUMBER: S-403

SHEET: OF

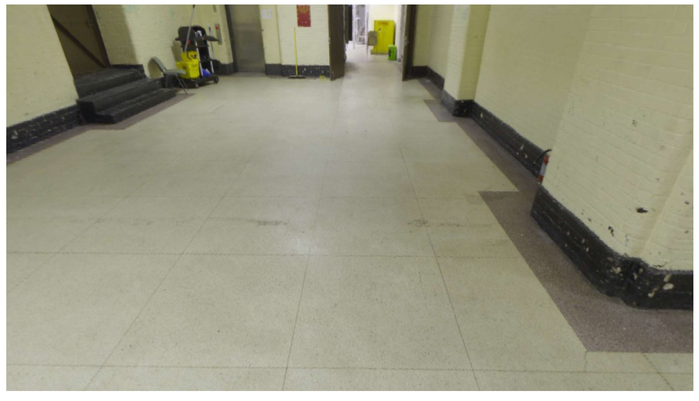


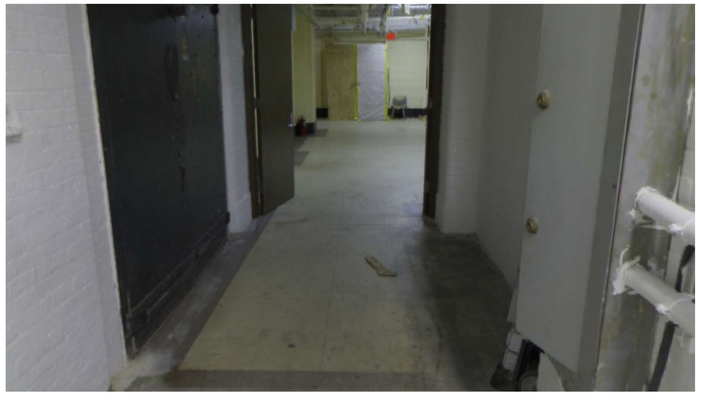












EXISTING TERRAZZO NOTES

THE PICTURES HERE SHOW THE EXISTING TERRAZZO FLOORING IN THE BASEMENT.
THE PICTURES ARE REPRESENTATIVE OF A POINT IN TIME. CONDITION OF THE FLOORING MAY HAVE ALTERED SINCE THESE PICTURES WERE TAKEN.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT — JOHN MARVEL — 001881 — STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-14-2024	ADDENDUM 06
0	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

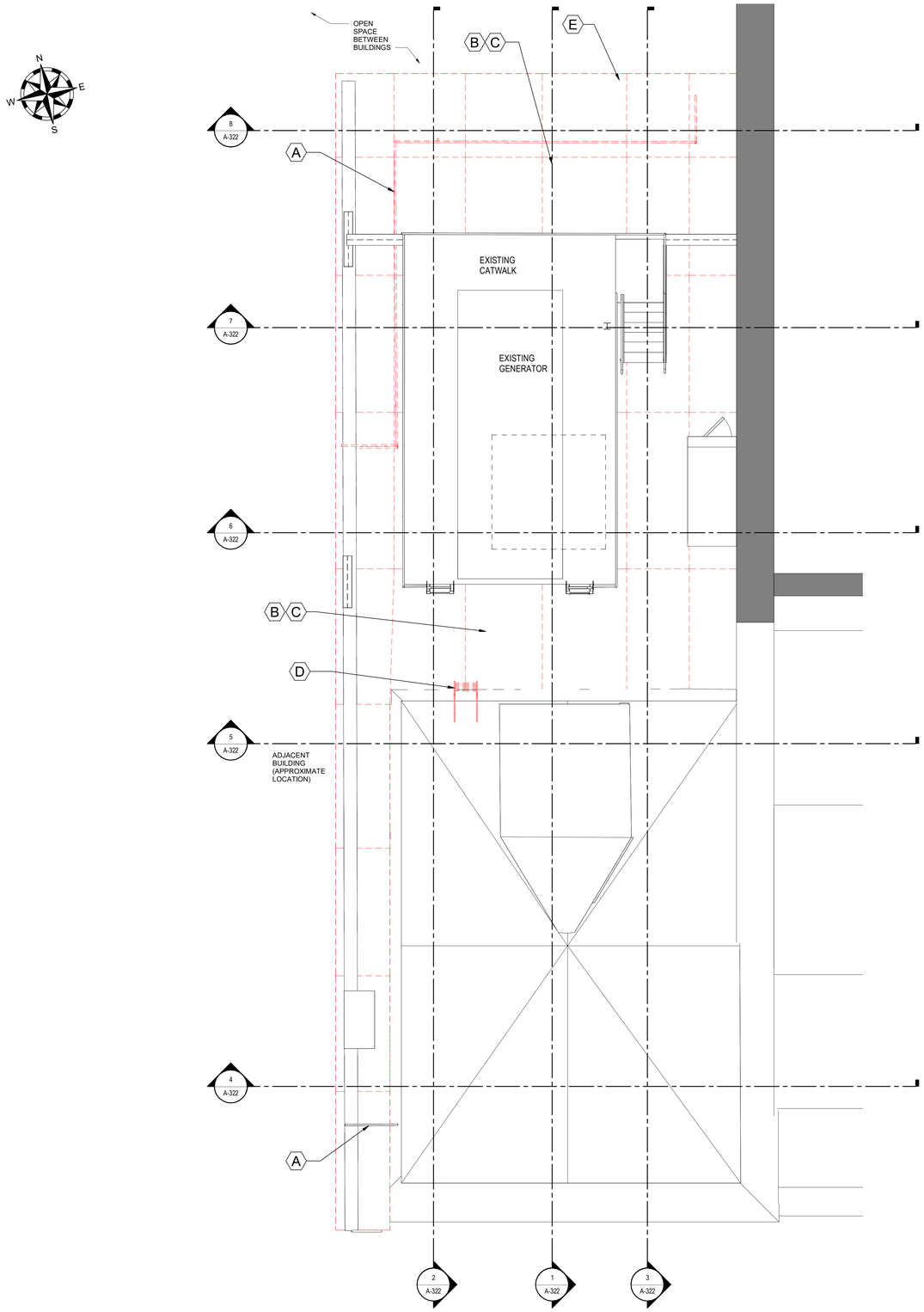
SHEET TITLE:

TYPICAL CONDITIONS OF EXISTING TERRAZZO IN BASEMENT

DRAWING NUMBER:
AD-004

SHEET: OF

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6/12/2024 4:26:46 PM
42x39 PLOT SHEET



1 **ANNEX BUILDING ROOF REMOVAL & REHABILITATION PLAN - SECTOR 3**
1/4" = 1'-0"

ROOF REMOVAL LEGEND

A	REMOVE AND DISPOSE OF PERIMETER ROOF RAILING SYSTEM.
B	REMOVE AND DISPOSE IRMA ROOF SYSTEM, STONE BALLAST AND CLEAN SURFACE OF CONCRETE ROOF DECK, WALL SURFACES AND PARAPETS.
C	INSPECT CONCRETE ROOF DECK FOR SIGNS OF CRACKING AND/OR GENERAL DETERIORATION AND REPORT FINDINGS TO DIRECTOR'S REPRESENTATIVE. IF SIGNS OF DETERIORATION ARE PRESENT, REPAIRS WILL BE REQUIRED BASED ON SEVERITY FOUND.
D	REMOVE LADDERS.
E	CLEAN GUTTER AND DOWNSPOUT TO CONFIRM NO OBSTRUCTIONS.

DEMO LEGEND

ITEMS TO BE REMOVED

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION: 1329455

M&P ENGINEERING AND LAND SURVEYING

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STATE OF NEW YORK — MICHAEL OLSZEWSKI — 104046 — LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 7/31/2026

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION / ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-14-2024	ADENDUM 06
0	2-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	MPO
DRAWN BY:	PGR
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: ANNEX BUILDING

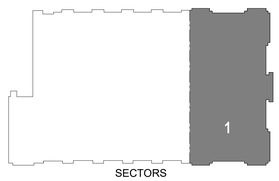
DRAWING NUMBER: AD-162

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/LEX_MP-Flat Roof Model-R24.rvt
6/15/2024 11:31:31 AM
42x30 PLOT SHEET



1 **BASEMENT PLAN - SECTOR 1**
1/8" = 1'-0"



SECTORS

KEY PLAN

GENERAL NOTES

1. SEE A-100 FOR ADDDITIONAL GENERAL NOTES
2. SEE A-100 FOR ALTERNATE DESIGN NOTES

PLAN LEGEND

- EXISTING WALL
- NEW WALL PARTITION, REFER TO PARTITION TYPES
- NEW MASONRY WALL, REFER TO PARTITION TYPES
- NEW DOOR, REFER TO NEW DOOR SCHEDULE ON A-630
- EXISTING DOOR, SEE EXISTING DOOR SCHEDULE ON A-631
- DESIGN ALTERNATE EXTENTS

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT 031993 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-14-2024	ADDENDUM 06
0	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: BASEMENT PLAN - SECTOR 1

DRAWING NUMBER: A-101

SHEET: OF

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42x30 PLOT SHEET

WINDOW SCHEDULE

LEVEL	LOCATION	Type Mark	COUNT	WINDOW GLAZING TYPE	THERMAL RESISTANCE (R)
1ST FLR -T.O.F.F	103 POV PARKING	A	15		1.5394 (h·ft²·°F)/BTU
Basement	B02 CLASSROOM / B05 HHC UNIT STOR	B	2		
4TH FLR	HHC CO MEN'S LOCKERS	D	2		
STAIR A LANDING	DRILL HALL VEHICULAR ENTRY SECURITY WINDOW	E	1		1.5394 (h·ft²·°F)/BTU

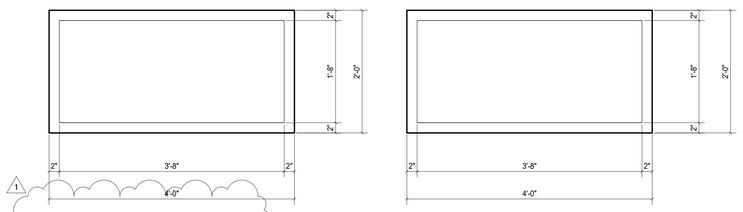
2

NOTES

1. NEW WINDOWS TO MATCH EXISTING WINDOWS WITH RESPECT TO THE TYPE, LAYOUT, TRIM, PROFILES, AND FINISHES
2. NEW WINDOWS TO MATCH ORIGINAL WINDOWS WITH RESPECT TO DIMENSIONS EXCEPT AS REQUIRED TO ACCOMODATE IGU GLAZING AND PERFORMANCE CHARACTERISTICS SPECIFIED.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS IN THE FIELD.

WINDOW SHADE SCHEDULE - REFER TO SPEC 122413

Room: Number	Type Mark	Shade Width	Shade Opening Height	Side Channel	SHADE MATERIAL	Count
102	WS-2	3'-2 1/2"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
102	WS-2	3'-2 139/256"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
102A	WS-2	2'-9 1/2"	2'-0"	No	Blackout 0702 Light Gray	1
103	WS-2	1'-4"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
103	WS-2	3'-1 11/64"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
103	WS-2	3'-2"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
104	WS-2	2'-7 71/128"	2'-0"	No	Blackout 0702 Light Gray	3
104	WS-2	2'-7 75/128"	2'-0"	No	Blackout 0702 Light Gray	1
105	WS-2	2'-9 1/2"	2'-0"	No	SoHo 5% Open 1903 Light Gray	2
108	WS-1	3'-6"	3'-0"	No	SoHo 5% Open 1903 Light Gray	1
109	WS-1	3'-6"	3'-0"	No	Blackout 0702 Light Gray	3
110	WS-1	3'-6"	3'-0"	No	SoHo 5% Open 1903 Light Gray	2
112	WS-2	2'-9 1/2"	2'-0"	No	SoHo 5% Open 1903 Light Gray	2
115	WS-1	3'-6"	3'-0"	No	SoHo 5% Open 1903 Light Gray	2
151	WS-1	4'-8"	3'-0"	No	SoHo 5% Open 1903 Light Gray	2
201B	WS-2	2'-0"	2'-0"	No	SoHo 5% Open 1903 Light Gray	2
201C	WS-2	2'-0"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
202	WS-2	2'-0"	2'-0"	No	Blackout 0702 Light Gray	9
206B	WS-2	2'-0"	2'-0"	No	SoHo 5% Open 1903 Light Gray	2
206C	WS-2	2'-0"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
206E	WS-2	2'-0"	2'-0"	No	SoHo 5% Open 1903 Light Gray	3
206F	WS-2	2'-0"	2'-0"	No	SoHo 5% Open 1903 Light Gray	3
207A	WS-2	2'-0"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
207B	WS-2	2'-0"	2'-0"	No	SoHo 5% Open 1903 Light Gray	2
252	WS-1	2'-0"	3'-0"	No	Blackout 0702 Light Gray	1
252	WS-1	3'-0"	3'-0"	No	Blackout 0702 Light Gray	2
253	WS-1	3'-0"	3'-0"	No	Blackout 0702 Light Gray	3
301	WS-2	2'-11 1/2"	2'-0"	No	Blackout 0702 Light Gray	7
301	WS-2	2'-11 17/32"	2'-0"	No	Blackout 0702 Light Gray	1
302A	WS-2	3'-2 1/2"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
302B	WS-2	3'-2 1/2"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
305	WS-2	2'-11 123/256"	2'-0"	No	Blackout 0702 Light Gray	2
306	WS-2	3'-0"	2'-0"	No	Blackout 0702 Light Gray	8
401	WS-2	8'-8 53/64"	2'-0"	No	Blackout 0702 Light Gray	3
401	WS-2	8'-9 37/64"	2'-0"	No	Blackout 0702 Light Gray	1
401A	WS-2	3'-10 51/64"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
401B	WS-2	4'-5 39/256"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
405	WS-2	8'-8 5/64"	2'-0"	No	Blackout 0702 Light Gray	1
405	WS-2	9'-0 21/64"	2'-0"	No	Blackout 0702 Light Gray	1
405	WS-2	9'-3 21/64"	2'-0"	No	Blackout 0702 Light Gray	2
405A	WS-2	4'-3 61/128"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
405B	WS-2	4'-3 93/128"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
501	WS-2	2'-9 1/2"	2'-0"	No	Blackout 0702 Light Gray	1
501	WS-2	3'-6"	2'-0"	No	Blackout 0702 Light Gray	7
501B	WS-2	3'-6"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
503	WS-2	3'-6 161/256"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
503	WS-2	3'-7 33/256"	2'-0"	No	SoHo 5% Open 1903 Light Gray	2
504	WS-1	4'-0"	3'-0"	No	Blackout 0702 Light Gray	2
505	WS-1	4'-0"	3'-0"	No	SoHo 5% Open 1903 Light Gray	4
506	WS-1	4'-0"	3'-0"	No	Blackout 0702 Light Gray	2
507	WS-2	2'-9 1/2"	2'-0"	No	SoHo 5% Open 1903 Light Gray	2
507	WS-2	3'-5 27/128"	2'-0"	No	SoHo 5% Open 1903 Light Gray	1
507C	WS-1	4'-0"	3'-0"	No	SoHo 5% Open 1903 Light Gray	2
507D	WS-1	4'-0"	3'-0"	No	SoHo 5% Open 1903 Light Gray	1
B03	WS-2	3'-8"	2'-0"	No	Blackout 0702 Light Gray	4
B04	WS-2	3'-8"	2'-0"	No	Blackout 0702 Light Gray	2
						118

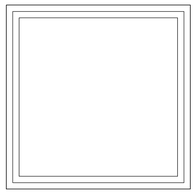


INTERIOR ELEVATION

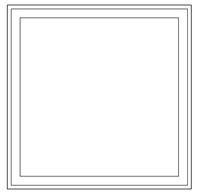
WINDOW TYPE C - VEHICLE RAMP

BALLISTIC-RATED GLASS AND FRAME
PER 085653, 088100 AND 083953

EXTERIOR ELEVATION



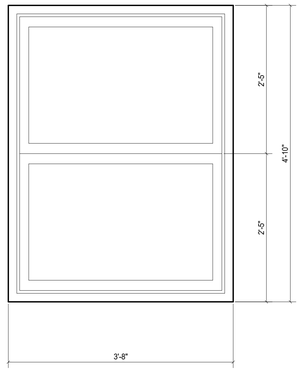
EXTERIOR ELEVATION



INTERIOR ELEVATION

WINDOW TYPE E - RAMP SECURITY WINDOW

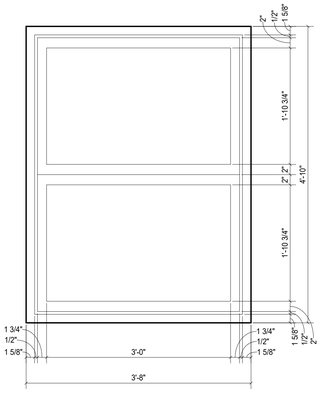
SILL:
GLAZING MATERIAL:
JAMB:
HEADER:



INTERIOR ELEVATION

WINDOW TYPE D - 4TH FLOOR

SILL:
GLAZING MATERIAL:
JAMB:
HEADER:



EXTERIOR ELEVATION

INTERIOR ELEVATION

WINDOW TYPE B - BASEMENT

SILL:
GLAZING MATERIAL:
JAMB:
HEADER:

EXTERIOR ELEVATION

INTERIOR ELEVATION

WINDOW TYPE A - DRILL HALL

SILL:
GLAZING MATERIAL:
JAMB:
HEADER:

EXTERIOR ELEVATION

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

UNIFORM CODE WRITTEN STATEMENT:
TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

ENERGY CODE WRITTEN STATEMENT:
TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THE DRAWINGS BEARING MY PROFESSIONAL SEAL AND SIGNATURE MEET OR EXCEED THE 2020 NEW YORK STATE ENERGY CODE CONSISTING OF THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE, 2016 ASHRAE 90.1, AND THE 2020 NYS ENERGY CODE SUPPLEMENT.

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REGISTERED ARCHITECT — NEW YORK STATE — 031001 — STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
2	06-14-2024	ADDENDUM 06
1	06-07-2024	ADDENDUM 05
0	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:

WINDOW DETAILS - WINDOW TYPES

DRAWING NUMBER:

A-620

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
6/18/2024 9:59:09 AM
42x30 PLOT SHEET

_DOOR SCHEDULE

DOOR TAG	FROM NUMBER	FROM NAME	TO NUMBER	TO NAME	TYPE	OVERALL WIDTH	HEIGHT	# OF PANELS	MATERIAL	FINISH	COLOR	FRAME MATERIAL	FRAME FINISH	FRAME COLOR	JAMB DETAIL	THROAT	HW SET - REFERENCE SPECS	THRESHOLD	FIRE RATING	COMMENTS
ANNEX - BASEMENT																				
B50F	B50	D CO UNIT STOR	B50	D CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
Basement																				
B00A	B00	CORRIDOR			D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	7.0	15 / A-641	45 MIN	
B00B	B00	CORRIDOR			D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	7.0	15 / A-641	45 MIN	
B01	B01	BN HQ STOR			D10	6'-0"	8'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	17.0	13 / A-641	45 MIN	
B01A	B01	BN HQ STOR			D23	4'-0"	8'-0"	1	WM											
B01B			B01	BN HQ STOR	D23	4'-0"	8'-0"	1	WM											
B02	B02	CLASSROOM	B00	CORRIDOR	D10	6'-0"	6'-10"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	2'-5"	6.0	8 / A-641	45 MIN	
B04A	B04	LEARNING CENTER	B04A	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0		45 MIN	
B04B	B04B	KEG RM	B04	LEARNING CENTER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	21.0		45 MIN	
B04C	B04B	KEG RM	B04	LEARNING CENTER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	21.0		45 MIN	
B05	B05	HHC CO UNIT STOR	B00	CORRIDOR	D10	5'-6"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	2'-6"	17.0	13 / A-641	45 MIN	
B05A	B05	HHC CO UNIT STOR	B05	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B05B	B05	HHC CO UNIT STOR	B05	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B05C	B05	HHC CO UNIT STOR	B05	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B05D	B05	HHC CO UNIT STOR	B05	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B06	B06	STORAGE	B00	CORRIDOR	D2	2'-6"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	5 7/8"	21.0	13 / A-641	45 MIN	
B06A	B06B	HHC CO UNIT STOR	B30	CORRIDOR	D23	4'-0"	8'-0"	1	WM											
B06B	B06B	HHC CO UNIT STOR	B30	CORRIDOR	D23	4'-0"	8'-0"	1	WM											
B06C	B30	CORRIDOR	B06B	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B06D	B30	CORRIDOR	B06B	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B07	B07	HHC CO UNIT STOR	B00	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	21.0	13 / A-641	45 MIN	
B08	B00	CORRIDOR	B08	A CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	0"	17.0	13 / A-641	45 MIN	
B08B	B08	A CO UNIT STOR	B08	A CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B08C	B08	A CO UNIT STOR	B08	A CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B08D	B08	A CO UNIT STOR	B08	A CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B08E	B08	A CO UNIT STOR	B08	A CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B09	B00	CORRIDOR	B09	B CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	0"	17.0	13 / A-641	45 MIN	
B09A	B09	B CO UNIT STOR	B09	B CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B09B	B09	B CO UNIT STOR	B09	B CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B09C	B09	B CO UNIT STOR	B09	B CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B09D	B09	B CO UNIT STOR	B09	B CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B10	B10	HHC CO UNIT STOR	B00	CORRIDOR	D10	5'-6"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	2'-4"	17.0	13 / A-641	45 MIN	
B30	B00	CORRIDOR	B30	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	6"	7.0	13 / A-641	45 MIN	
B30A	M1	SHAFT	B30F	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE		HM	MATTE			6 1/8"	21.0		90 MIN	
B30C	B42	C CO UNIT STOR	B42	C CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B30D	B42	C CO UNIT STOR	B42	C CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B30F	B30F	VESTIBULE	B00	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	0"	7.0	6 / A-641	45 MIN	
B31	B31	SIPR RM	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	14.0	5 / A-642	45 MIN	
B32	B30	CORRIDOR	B32	ELEV MECH	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		11 5/8"	14.0	5 / A-642	90 MIN	
B33A	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B33B	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B33C	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B33D	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B33E	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B34	B30	CORRIDOR	B34	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B35	B30	CORRIDOR	B35	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B36	B30	CORRIDOR	B36	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B37	B30	CORRIDOR	B37	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B38	B30	CORRIDOR	B38	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B39	B30	CORRIDOR	B39	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B40	B30	CORRIDOR	B40	GAS SERVICE	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		7 5/8"	12.0	1 / A-642	90 MIN	
B41	B30	CORRIDOR	B41	C CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	21.0	1 / A-642	45 MIN	
B42	B30	CORRIDOR	B42	C CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	21.0	1 / A-642	45 MIN	
B44	B30	CORRIDOR	B44	C CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	17.0	1 / A-642	45 MIN	
B46	B11	CORRIDOR	B46	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B46A	B11	CORRIDOR	B46A	IDF	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	1 / A-642	45 MIN	
B47	B11	CORRIDOR	B47	R&R UNIT STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	12.0	1 / A-642	45 MIN	
B48	B48	ELECT RM	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	5.0	1 / A-642	90 MIN	
B49	B49	D CO UNIT STOR	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	7 5/8"	20.0	1 / A-642	45 MIN	
B49B	B49B	ELEC RM	B30	CORRIDOR	D10	6'-0"	8'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	2 / A-640	0"	6.0	1 / A-642	90 MIN	
B50A	B50	D CO UNIT STOR	B30	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	7 1/4"	17.0	1 / A-642	45 MIN	
B50B	B50	D CO UNIT STOR	B30	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	7 1/4"	17.0	1 / A-642	45 MIN	
B50C	B50	D CO UNIT STOR	B50	D CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B50D	B50	D CO UNIT STOR	B50	D CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B50E	B50	D CO UNIT STOR	B50	D CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B51	B51	OIL FUEL TANKS	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	14.0	1 / A-642	90 MIN	
B52	B52	STORAGE	B30	CORRIDOR	D10	5'-0"	7'-6"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	10.0	1 / A-642	45 MIN	
B52A	B52A	FLAMMABLE STOR	B52	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	21.0	1 / A-642	90 MIN	
B52B	B52B	ELEV EQUIP	B52A	FLAMMABLE STOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	21.0	1 / A-642	90 MIN	
B53	B53	ELECT RM	B30	CORRIDOR	D10	6'-0"	8'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	2 / A-640	0"	6.0	1 / A-642	90 MIN	
B54	B54	MECH RM	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	12.0	1 / A-642	45 MIN	
B55	B55	MECH RM	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	14.0	1 / A-642	45 MIN	
B56	B56	ELEC RM	B30	CORRIDOR	D2	4'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	2 / A-640	0"	13.0	1 / A-642	90 MIN	
B57	B30	CORRIDOR	B57	MECH RM	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	10.0	1 / A-642	45 MIN	
B60	B60	STORAGE	B30D	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	8"	11.0	4 / A-641		
B63	B62	CORRIDOR	B63	BLDG STOR (STATE)	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	5 / A-642	45 MIN	
B64	B62	CORRIDOR	B64	MDF	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	5 / A-642	45 MIN	
EX140			140A	25TH ST ENTRY VESTIBULE	D19	3'-0"	7'-3 27/256"	1	HM	MATTE	PTD-15	HM	MATTE	PTD-15		0"	1.1	1 / A-641		BALLISTIC-RATED DOOR PER SPECIFICATIONS
EXB49	B49	D CO UNIT STOR	EXT	EXTERIOR COURTYARD	D2	2'-6"	7'-0"	1	HM	MATTE	PTD-15	HM	MATTE	PTD-15	6 / A-640	0"	2.0			
EXB63A	316	EXIT	B63	BLDG STOR (STATE)	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4"	2.0			
ST-A	B00	CORRIDOR	ST-A	STAIR A	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	13 / A-641	90 MIN	
ST-B	B00	CORRIDOR			D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		7 5/8"	9.0	13 / A-641	90 MIN	
ST-P	B11	CORRIDOR	ST-P	STAIR P	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		7 5/8"	9.0	1 / A-642	90 MIN	
1ST FLR - T.O.F.F																				
100C	100D	JC	100C	CORRIDOR B	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	4 7/8"	23.0	15 / A-641		
100E			100E	CORRIDOR A	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	8 / A-641	90 MIN	
100F	100F	STORAGE	100E	CORRIDOR A	D10	6'-0"	7'-0"	2	HM	MATTE		HM	MATTE		6 / A-640	4 7/8"	23.0			
101	100	ENTRY HALL	101	CORRIDOR	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	20.0	13 / A-641	45 MIN	
101A	101	CORRIDOR	101A	SUPERINTENDENT	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	22.1	5 / A-642	45 MIN	
101C	101	CORRIDOR	101B	ELEC RM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	22.1	5 / A-642	45 MIN	
102	100	ENTRY HALL	100E	CORRIDOR A	D22	7'-10"	10'-0"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640		37.0	8 / A-641	90 MIN	
106	100C	CORRIDOR B	106	WOMENS RM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	29.0	9 / A-641	45 MIN	
107	100C	CORRIDOR B	107	MENS RM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	29.0	9 / A-641	45 MIN	
108	108	CHAPLAIN	108A	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	25.0	15 / A-641	45 MIN	
108B	108B	STORAGE	108A	VESTIBULE	D10	6'-0"	7'-0"	2	HM	MATTE		HM	MATTE		6 / A-640	4 7/8"	23.0			
109A	100E	CORRIDOR A	109	PRE-FUNCTION & MUSEUM DISPLAY	D1	6'-0 1/2"	8'-0 1/4"										34.0	2 / A-641		
109B	100E	CORRIDOR A	109	PRE-FUNCTION & MUSEUM DISPLAY	D13	3'-1"	8'-0 1/4"										9.2	2 / A-641		
111	100	ENTRY HALL	111	IDF	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	14.0	8 / A-641	45 MIN	NEW HM DOOR WITH PANELING TO MATCH HISTORIC DOORS
111A	100G	EXIT CORRIDOR	111A	ELEC CLOSET	D16	2'-6"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	13 / A-641	45 MIN	
112	100	ENTRY HALL	112	RECRUITING & RETENTION	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	14.0	8 / A-641	45 MIN	NEW HM DOOR WITH PANELING TO MATCH HISTORIC DOORS
113	ST-C	STAIR C			D15	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14			1.1		90 MIN	BALLISTIC-RATED DOOR PER SPECIFICATIONS
113A			100	ENTRY HALL	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	29.1	15 / A-641	45 MIN	NEW HM DOOR WITH PANELING TO MATCH HISTORIC DOORS
115	100C	CORRIDOR B	115	DMS OFFICE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	8 / A-641	45 MIN	
122A	130	POV PARKING	122	ACFT STORAGE	D14	5'-0"	7'-1"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			23.0	2 / A-642		
122B	130	POV PARKING	122	ACFT STORAGE	D14	5'-0"	7'-1"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			23.0	2 / A-642		
123A	123	ACFT STORAGE	130	POV PARKING	D14	5'-0"	7'-1"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			23.0	2 / A-642		
123B	123	ACFT STORAGE	130	POV PARKING	D14	5'-0"	7'-1"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			23.0	2 / A-642		
132A	132	STORAGE	130	POV PARKING	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	6 1/8"	10.0	2 / A-642	90 MIN	
132B	132	STORAGE	130	POV PARKING	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	6 1/8"	10.0	2 / A-642	90 MIN	
140	140	SECURITY LOBBY	130	POV PARKING	D7	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	24.0		90 MIN	
140B	140B	CLOSET	140	SECURITY LOBBY	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		3 3/4"	23.0			
141A	141	CORRIDOR	140	SECURITY LOBBY	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	12.0	1 / A-641	90 MIN	
141B	141	CORRIDOR	130	POV PARKING	D7	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	24.0	1 / A-642	90 MIN	
141C	141A	MAIL ROOM	141	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	10.0	1 / A-641	45 MIN	
142	142	LACTATION	141	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	31.0	1 / A-641	45 MIN	
145	145	CORRIDOR	130	POV PARKING	D7	6'-0"	7'-0"	2			PTD-14		MATTE				24.0	2 / A-642	90 MIN	
146	145	CORRIDOR	146	MENS RM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	5 1/4"	26.0	4 / A-642		
147	147	JC	145	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	5 1/4"	12.0			
148	148	WOMENS RM	145	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	26.0	4 / A-642		
B50M	140	SECURITY LOBBY	140A	25TH ST ENTRY VESTIBULE	D3	4'-0 1/2"	7'-1"	1								0"				
EX162	000	SIDEWALK	113	SECURITY	D19	2'-11"	7'-5 213/256"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		0"	1.1			BALLISTIC-RATED DOOR PER SPECIFICATIONS
EXSTA	ST-A	STAIR A			D20	2'-8"	7'-8"	1	HM	MATTE	PTD-15	HM	MATTE	PTD-15			1.0			EXTERIOR
EXSTB	ST-B	STAIR B			D20	3'-0"	8'-3 1/8"	1	HM	MATTE	PTD-15	HM	MATTE	PTD-15			1.0			
R01			R-01	RAMP 01	D25	11'-2"	15'-0"													
ST-A1A	100	ENTRY HALL	100G	EXIT CORRIDOR	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	8.0	8 / A-641	45 MIN	REMOVE AND REPLACE WITH NEW WD DOOR TO MATCH
ST-A1B	ST-A	STAIR A	100G	EXIT CORRIDOR	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	8 / A-641	90 MIN	
ST-P1B	ST-P1	STAIR P	ST-P1	STAIR P	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	13 / A-641	90 MIN	
ANNEX - 1ST FLR																				
150	150	FITNESS	141	CORRIDOR	D11	5'-0"	7'-0"	2					MATTE				10.0	7 / A-642	45 MIN	
ST-P			140	SECURITY LOBBY	D17	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			7.0	8 / A-641	90 MIN	
ST-P2	ST-P1	STAIR P	151	FAMILY READINESS	D7	5'-6"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6"	10.0	8 / A-641	90 MIN	

_DOOR SCHEDULE

DOOR TAG	FROM NUMBER	FROM NAME	TO NUMBER	TO NAME	TYPE	OVERALL WIDTH	HEIGHT	# OF PANELS	MATERIAL	FINISH	COLOR	FRAME MATERIAL	FRAME FINISH	FRAME COLOR	JAMB DETAIL	THROAT	HW SET - REFERENCE SPECS	THRESHOLD	FIRE RATING	COMMENTS
ANNEX - 2ND FLR																				
250	ST-P	STAIR P	250	VESTIBULE	D17	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	8 / A-641	90 MIN	
251	250	VESTIBULE	251	TLT	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	31.0	10 / A-641	45 MIN	
253	250	VESTIBULE	253	MULTI PURPOSE ROOM	D7	5'-0"	7'-0"	2								4 7/8"	24.0	1 / A-641	45 MIN	
2ND FLR																				
200A	200A	JC	203	WOMENS TLT/SHWR	D18	2'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	14.0	12 / A-641		
200B	200B	ELEC RM	200	CORRIDOR	D14	5'-8"	7'-7"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	13 / A-641	45 MIN	
200C	200	CORRIDOR	200C	ELEC RM	D14	5'-8"	7'-7"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	13 / A-641	45 MIN	
200D	200D	IDF	200	CORRIDOR	D14	5'-8"	7'-7"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	13 / A-641	45 MIN	
201	200	CORRIDOR	201	B CO	D9	5'-8"	7'-7"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	8 / A-641	45 MIN	
201A	201	B CO	201A	XO	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
201B	201B	CO CDR	201	B CO	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
201C	201C	1SG	201	B CO	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
202	200	CORRIDOR	202	C CO	D9	5'-8"	7'-7"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	6 / A-641	45 MIN	
203	200	VESTIBULE	203	WOMENS TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	9 / A-641	45 MIN	
203A	203A	C CO WOMENS LOCKER	203	WOMENS TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	14.0	11 / A-641		
205	205	MENS TLT/SHWR	200	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	6 / A-640	45 MIN	
205A	205A	C CO MENS LOCKER	205	MENS TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
206	206	HHC HQ	200	CORRIDOR	D9	5'-6"	7'-7"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	8 / A-641	45 MIN	
206A	206	HHC HQ	206A	BN S4	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
206B	206B	BN S4 NCOIC & BN S4	206	HHC HQ	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
206C	206C	BN S1	206	HHC HQ	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
206D	206D	S3	206	HHC HQ	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
206E	206	HHC HQ	206E	BN S3	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
206F	206F	BN XO	206	HHC HQ	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
206G	206G	BN S2	206	HHC HQ	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
207	207	A CO	200	CORRIDOR	D9	5'-6"	7'-7"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	8 / A-641	45 MIN	
207A	207	A CO	207A	1SG	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
207B	207	A CO	207B	CO CDR	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
207C	207C	RNCO	207	A CO	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
ST-A2	ST-A	STAIR A	200	CORRIDOR	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	15 / A-641	90 MIN	
ST-B2	ST-B	STAIR B	200	CORRIDOR	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		8 1/2"	9.0	15 / A-641	90 MIN	
ST-P2			ST-P	STAIR P	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	7.0	8 / A-641	90 MIN	
3RD FLR																				
300A	300	CORRIDOR	300A	IDF	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	13 / A-641	45 MIN	
300B	300	CORRIDOR	300B	JC	D16	2'-6"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	13 / A-641	45 MIN	
300C	300C	ELECT RM	300	CORRIDOR	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	10.0	13 / A-641	45 MIN	
300D	300	CORRIDOR	300D	ELEC RM	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	10.0	13 / A-641	45 MIN	
301	300	CORRIDOR	301	B CO	D12	4'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640		13.0	6 / A-641	45 MIN	
302	300	CORRIDOR	302	C CO	D12	4'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640		13.0	8 / A-641	45 MIN	
302A	302A	CO CDR	302	C CO	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
302C	302	C CO	302C	RNCO	D3	3'-0"	8'-0 1/4"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
303	303	WOMEN'S TLT/SHWR	300	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	9 / A-641	45 MIN	
303A	303A	B CO WOMENS LOCKER	303	WOMEN'S TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	26.0	11 / A-641		
303B	303	WOMEN'S TLT/SHWR	303B	RR CO WOMENS LOCKER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
303C	303	WOMEN'S TLT/SHWR	303C	BEB CO WOMEN'S LOCKER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
304	300	CORRIDOR	304	WOMEN'S TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	9 / A-641	45 MIN	
304A	304A	HHC CO WOMENS LOCKER	304	WOMEN'S TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
304B	304B	D CO WOMENS LOCKER	304	WOMEN'S TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
304C	304	WOMEN'S TLT/SHWR	304C	A CO WOMENS LOCKER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
305	300	CORRIDOR	305	HQ	D12	4'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640		13.0	8 / A-641	45 MIN	
306	300	CORRIDOR	306	A CO	D12	4'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640		13.0	6 / A-641	45 MIN	
310	300	CORRIDOR	310	MEN'S TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	9 / A-641	45 MIN	
310A	310	MEN'S TLT/SHWR	310A	A CO MENS LOCKER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
311	311	MEN'S TLT/SHWR	300	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	9 / A-641	45 MIN	
311A	311A	B CO MENS LOCKER	311	MEN'S TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
350A	350	BEB CO UNIT STORAGE	350	BEB CO UNIT STORAGE	D23	4'-0"	8'-0"	1	WM											
350B	350	BEB CO UNIT STORAGE	350	BEB CO UNIT STORAGE	D23	4'-0"	8'-0"	1	WM											
350C	350	BEB CO UNIT STORAGE	350	BEB CO UNIT STORAGE	D23	4'-0"	8'-0"	1	WM											
350D	350	BEB CO UNIT STORAGE	350	BEB CO UNIT STORAGE	D23	4'-0"	8'-0"	1	WM											
ST-A3	ST-A	STAIR A	300	CORRIDOR	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	15 / A-641	90 MIN	
ST-B3	ST-B	STAIR B	300	CORRIDOR	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	15 / A-641	90 MIN	
ANNEX - 3RD FLR																				
302B	302	C CO	302B	1SG	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
350	ST-P	STAIR P	350	BEB CO UNIT STORAGE	D10	5'-6"	7'-8"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		0"	17.0	8 / A-641	90 MIN	
351	351	BEB CO UNIT STORAGE	ST-P	STAIR P	D10	5'-6"	7'-8"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		0"	17.0	8 / A-641	90 MIN	
ANNEX - 4TH FLR																				
450	ST-P	STAIR P	450	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	20.0	8 / A-641	90 MIN	
451	ST-P	STAIR P	451	STORAGE	D10	5'-6"	6'-8"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		0"	17.0	8 / A-641	90 MIN	
4TH FLR																				
400A	400	CORRIDOR	400A	IDF	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	13 / A-641	45 MIN	
400B	400B	ELEC RM	400	CORRIDOR	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	10.0	13 / A-641	45 MIN	
400C	400	CORRIDOR	400C	ELEC RM	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	10.0	13 / A-641	45 MIN	
400D	400D	JC	400	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	21.0	13 / A-641	45 MIN	
401	401	D COMPANY	400	CORRIDOR	D8	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640		14.0	6 / A-641	45 MIN	
401A	401	D COMPANY	401A	1SG	D3	3'-0"	7'-11"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
401B	401B	RNCO	401	D COMPANY	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
401C	401	D COMPANY	401C	OFFICE	D3	3'-0"	7'-11 1/2"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
401D	401	D COMPANY	401	D COMPANY	D1	5'-10"	8'-0"										38.0	5 / A-641		
402	400	CORRIDOR	402	MENS TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	9 / A-641	45 MIN	
402A	402A	HHC CO MENS LOCKER	402	MENS TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
405	405	HHC COMPANY	400	CORRIDOR	D10	5'-1 1/2"	7'-0"	2	HM			HM				0"	10.0	6 / A-641	45 MIN	
405A	405A	RNCO	405	HHC COMPANY	D3	3'-0"	7'-11"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
405B	405	HHC COMPANY	405B	CO CDR	D3	3'-0"	7'-11"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
405C	405C	1SG	405	HHC COMPANY	D3	3'-0"	7'-11"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
405D	405	HHC COMPANY	405	HHC COMPANY	D1	6'-0"	8'-0"										38.0	5 / A-641		
406	400	CORRIDOR	406	MENS TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	9 / A-641	45 MIN	
406A	406	MENS TLT/SHWR	406A	BEB CO MENS LOCKER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	11 / A-641		
407	407	MENS TLT/SHWR	400	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	9 / A-641	45 MIN	
407A	407	MENS TLT/SHWR	407A	D CO MENS LOCKER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	5 / A-642		
407B	407	MENS TLT/SHWR	407B	RR CO MENS LOCKER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	5 / A-642		
407C	407	MENS TLT/SHWR	407	MENS TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	33.0	11 / A-641		
ST-A4	ST-A	STAIR A	400	CORRIDOR	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	15 / A-641	90 MIN	
ST-B4	ST-B	STAIR B	400	CORRIDOR	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	15 / A-641	90 MIN	
5TH FLR																				
450A	321	ANNEX STAIR ROOF ACCESS	320	ANNEX ROOF	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	17.0		90 MIN	DOOR TO ROOF
500B	500	CORRIDOR	500B	IDF	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	14.0	13 / A-641	45 MIN	
500C	500	CORRIDOR	500C	ELEC RM	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	10.0	13 / A-641	45 MIN	
500D	500	CORRIDOR	500D	ELEC RM	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	10.0	13 / A-641	45 MIN	
501	501	BEB COMPANY	500	CORRIDOR	D8	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640		12.0	6 / A-641	45 MIN	
501A	501A	1SG	501	BEB COMPANY	D3	3'-0"	8'-0 1/4"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
501B	501	BEB COMPANY	501B	CO CDR	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
501C	501C	RNCO	501	BEB COMPANY	D3	3'-0"	7'-11"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
501D	501	BEB COMPANY	502	ASSEMBLY HALL	D2	2'-6"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	5 7/8"	14.0	2 / A-641	45 MIN	
501E	501	BEB COMPANY	501	BEB COMPANY	D1	5'-10"	7'-6"										38.0	5 / A-641		
502D	502D	STORAGE	502	ASSEMBLY HALL	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	4 7/8"	15.0	7 / A-641		
502F	502F	STORAGE	502	ASSEMBLY HALL	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	4 7/8"	10.1	7 / A-641		
503	513	VESTIBULE	503	BREAK / VEND	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	12 / A-641		
504	500	CORRIDOR	504	CLASSROOM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	8 / A-641	45 MIN	
505A	500	CORRIDOR	505	R+R OFFICES	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	14.0	8 / A-641	45 MIN	
505B	505	R+R OFFICES	500	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	14.0	8 / A-641	45 MIN	
506	500	CORRIDOR	506	CLASSROOM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	8 / A-641	45 MIN	
507A	507A	KITCHEN TLT	507	KITCHEN	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	30.0	12 / A-641		
507B	507	KITCHEN	507B	JC	D2	2'-6"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	12 / A-641		
507C	507	KITCHEN	507C	KITCHEN OFFICE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	22.0	12 / A-641		
507D	507D	KITCHEN STORAGE	507	KITCHEN	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		4 7/8"	16.0	12 / A-641		
507E	507	KITCHEN	507E	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	19.0	12 / A-641		
507F	507	KITCHEN	500	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	14.0	9 / A-641	45 MIN	
507G	507	KITCHEN	502A	SERVERY	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	10 / A-641		
508	500	CORRIDOR	502	ASSEMBLY HALL	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	6.0	8 / A-641	45 MIN	
509	500	CORRIDOR	502	ASSEMBLY HALL	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	6.0	8 / A-641	45 MIN	
510	500	CORRIDOR	502	ASSEMBLY HALL	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	5.0	8 / A-641	45 MIN	
511	500	CORRIDOR	502	ASSEMBLY HALL	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	5.0	8 / A-641	45 MIN	
513A	513A	STORAGE	513	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	16.0	12 / A-641		
514	514	MEN'S ROOM	513	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	26.0	12 / A-641		
515	515	WOMEN'S RM	513	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	26.0	12 / A-641		
ST-A5	ST-A	STAIR A	500	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	15 / A-641	90 MIN	
ST-B5	500	CORRIDOR	ST-B	STAIR B	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	15 / A-641	90 MIN	

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DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT JONATHAN JOVA MARVEL 021551 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY, 68 LEXINGTON AVENUE, NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
2	06-14-2024	ADDENDUM 06
1	06-07-2024	ADDENDUM 05
0	02-29-2024	BID SET

PROJECT NUMBER: 47166-C

DESIGNED BY: MARVEL

DRAWN BY: MARVEL

FIELD CHECK: Checker

APPROVED: Approver

SHEET TITLE: DOOR SCHEDULE

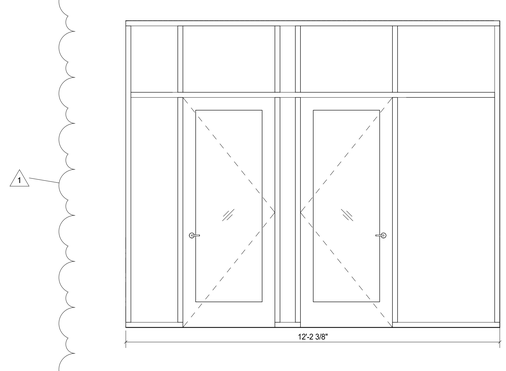
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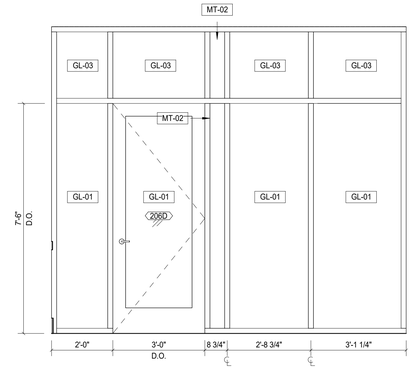
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INTERIOR STOREFRONT SCHEDULE

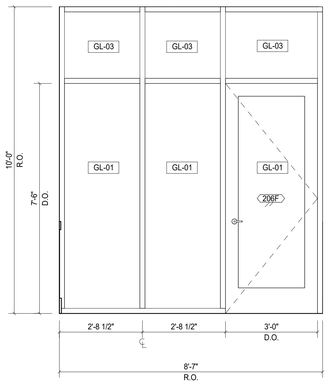
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T06	3	
T07	1	
T08	2	
T09	1	
T10	1	
T12	3	
T12MIR	2	MIRROR OFSTOREFRONT T12
T13	4	
T14	1	
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T17	1	
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T19	2	



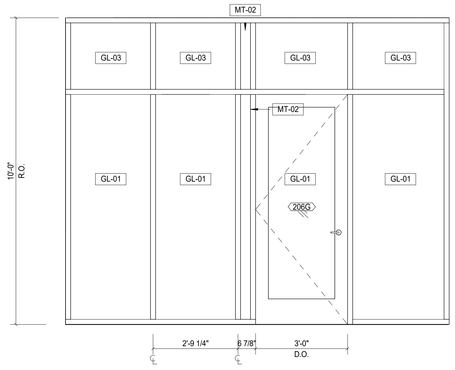
T10 STOREFRONT ELEVATION - TYPE 10
1/2" = 1'-0"



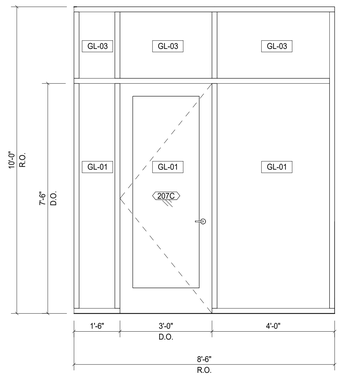
T09 STOREFRONT ELEVATION - TYPE 09
1/2" = 1'-0"



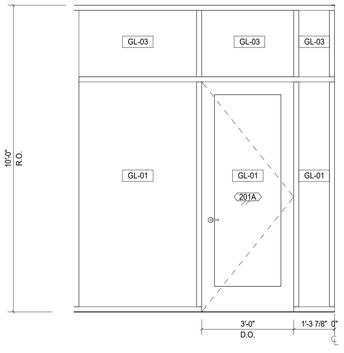
T08 STOREFRONT ELEVATION - TYPE 08
1/2" = 1'-0"



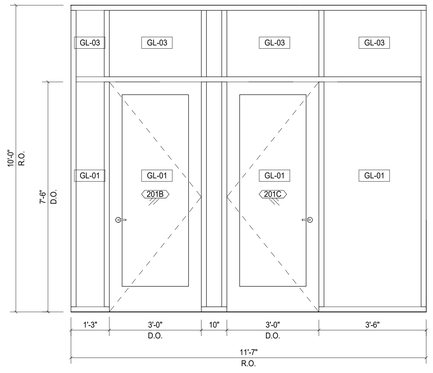
T07 STOREFRONT ELEVATION - TYPE 07
1/2" = 1'-0"



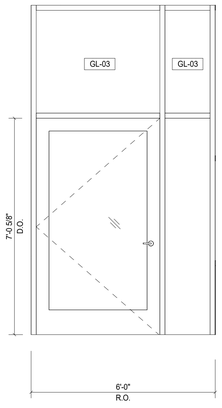
T06 STOREFRONT ELEVATION - TYPE 06
1/2" = 1'-0"



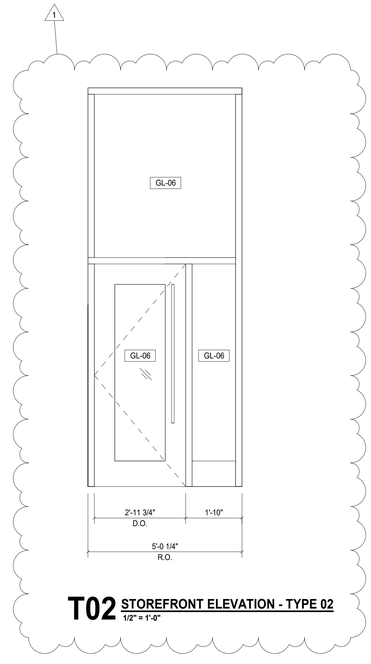
T05 STOREFRONT ELEVATION - TYPE05
1/2" = 1'-0"



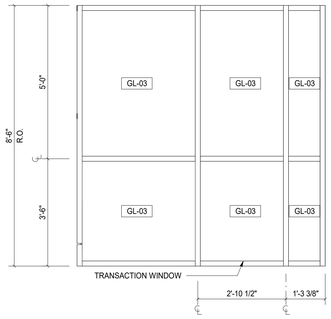
T04 STOREFRONT ELEVATION - TYPE 04
1/2" = 1'-0"



T03 STOREFRONT ELEVATION - TYPE 03
1/2" = 1'-0"



T02 STOREFRONT ELEVATION - TYPE 02
1/2" = 1'-0"



T01 STOREFRONT ELEVATION - TYPE 01
1/2" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT JOHN SMITH 001111 STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-14-2024	ADDENDUM 06
0	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
SCHEDULE - STOREFRONT

DRAWING NUMBER:
A-680

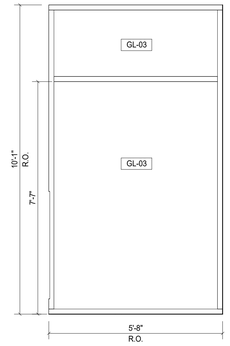
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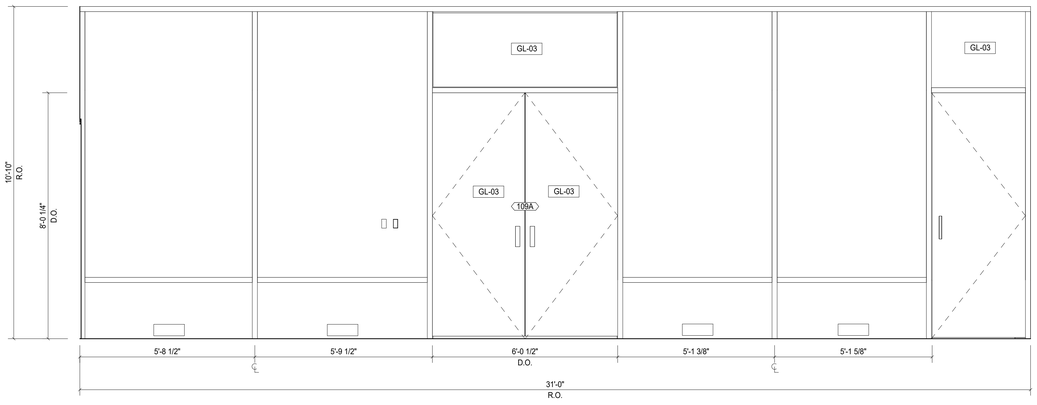
INTERIOR STOREFRONT SCHEDULE

STOREFRONT TYPE	Count	Comments
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T02	1	
T03	1	
T04	2	
T05	1	
T06	3	
T07	1	
T08	2	
T09	1	
T10	1	
T12	3	
T12MIR	2	MIRROR OFSTOREFRONT T12
T13	4	
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T15	1	
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T18	1	
T19	2	

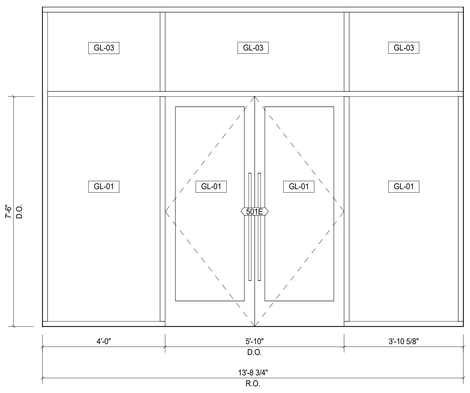
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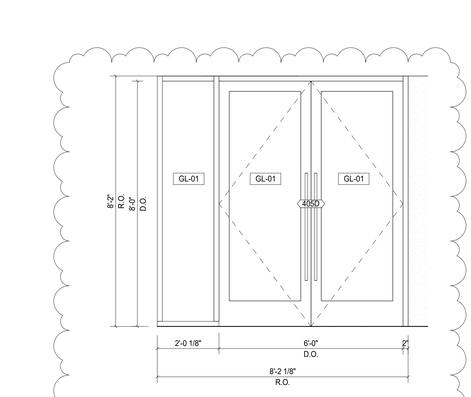
T19 STOREFRONT ELEVATION - TYPE 19
1/2" = 1'-0"



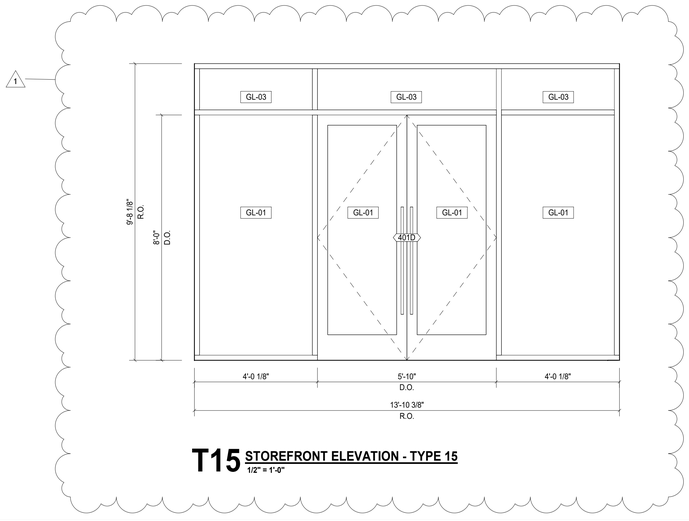
T18 STOREFRONT ELEVATION - TYPE 18
1/2" = 1'-0"



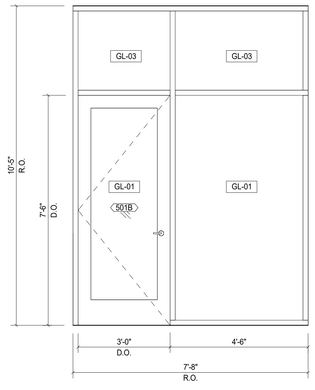
T17 STOREFRONT ELEVATION - TYPE 17
1/2" = 1'-0"



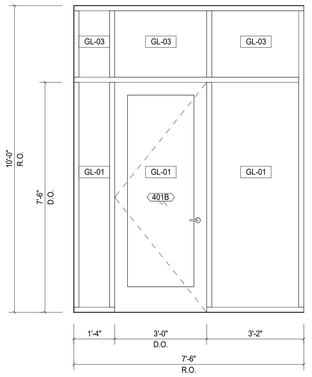
T16 STOREFRONT ELEVATION - TYPE 16
1/2" = 1'-0"



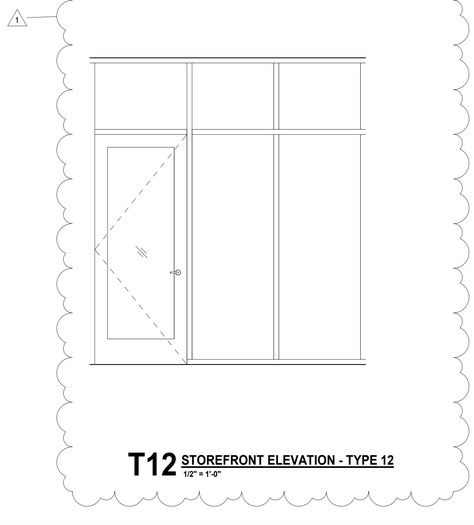
T15 STOREFRONT ELEVATION - TYPE 15
1/2" = 1'-0"



T14 STOREFRONT ELEVATION - TYPE 14
1/2" = 1'-0"



T13 STOREFRONT ELEVATION - TYPE 13
1/2" = 1'-0"



T12 STOREFRONT ELEVATION - TYPE 12
1/2" = 1'-0"

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42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT JOHN DOE 000000 STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-14-2024	ADDENDUM 06
0	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
SCHEDULE - STOREFRONT

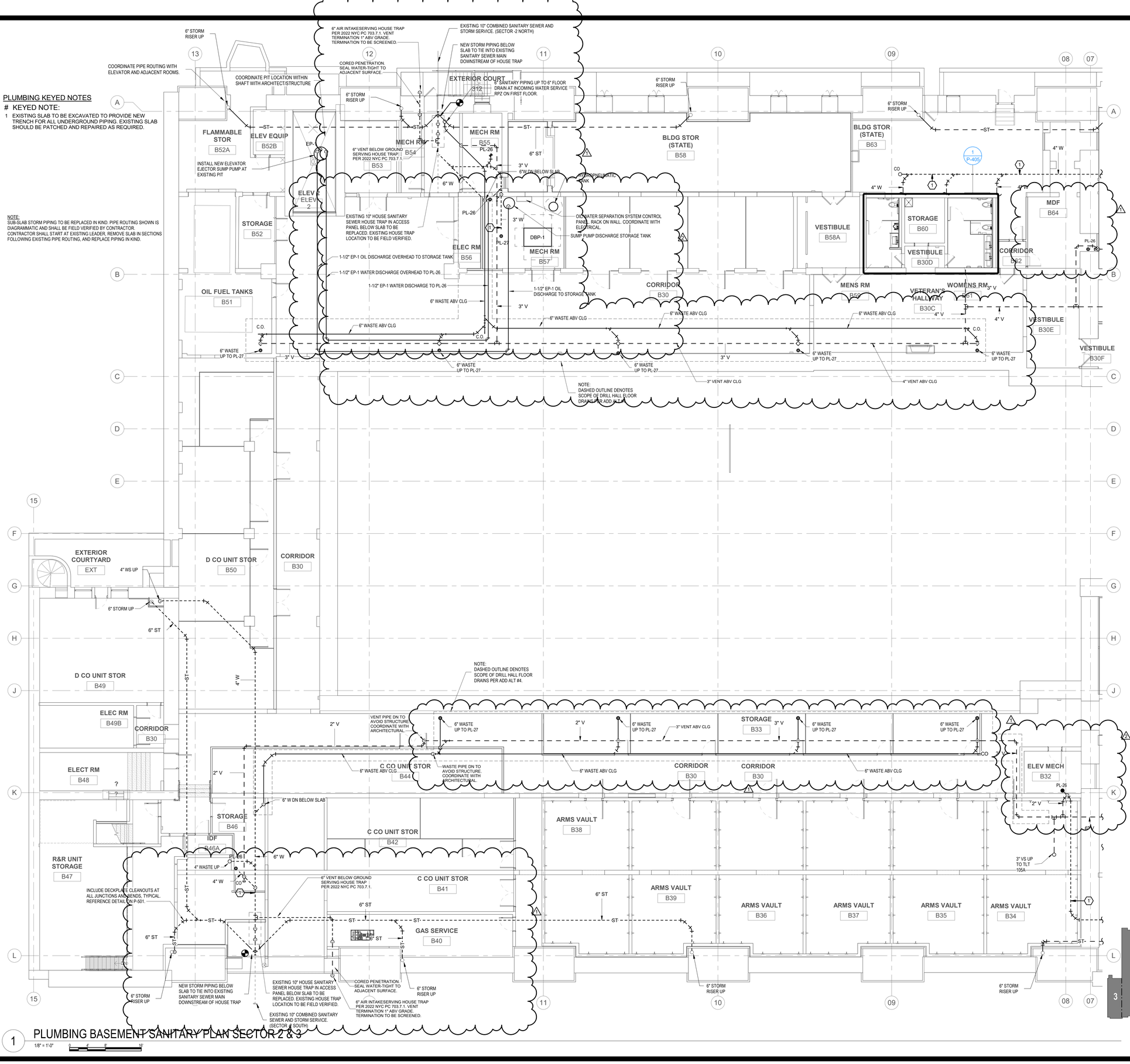
DRAWING NUMBER:
A-681

SHEET: OF

PLUMBING KEYED NOTES

#	KEYED NOTE:
1	EXISTING SLAB TO BE EXCAVATED TO PROVIDE NEW TRENCH FOR ALL UNDERGROUND PIPING. EXISTING SLAB SHOULD BE PATCHED AND REPAIRED AS REQUIRED.

NOTE:
SUB-SLAB STORM PIPING TO BE REPLACED IN KIND. PIPE ROUTING SHOWN IS DIAGRAMMATIC AND SHALL BE FIELD VERIFIED BY CONTRACTOR. CONTRACTOR SHALL START AT EXISTING LEADER, REMOVE SLAB IN SECTIONS FOLLOWING EXISTING PIPE ROUTING, AND REPLACE PIPING IN KIND.



1 PLUMBING BASEMENT SANITARY PLAN SECTOR 2 & 3
1/8" = 1'-0"

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NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

Dewberry

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STATE OF NEW YORK · NICHOLAS R. SAPONARA · LICENSED PROFESSIONAL ENGINEER · 224000 · EXPIRATION DATE: December 31, 2025

PROJECT NORTH

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

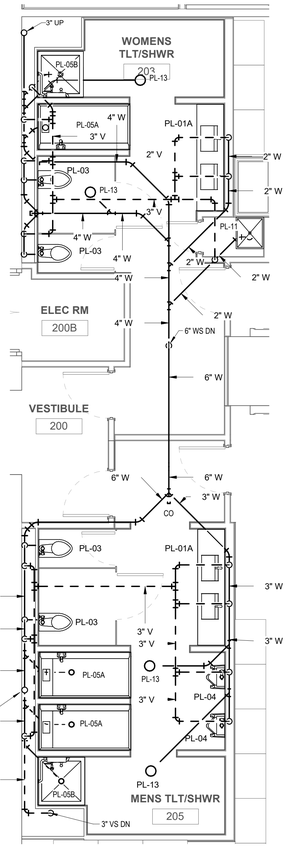
MARK	DATE	DESCRIPTION
2	06-14-2024	ADDENDUM 6
1	06-07-2024	ADDENDUM 5
	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	GEORGE LORUSSO
DRAWN BY:	GEORGE LORUSSO
FIELD CHECK:	GREG MUELLER
APPROVED:	NICK SAPONARA

SHEET TITLE:
PLUMBING BASEMENT WASTE AND VENT PLAN SECTOR 2 & 3

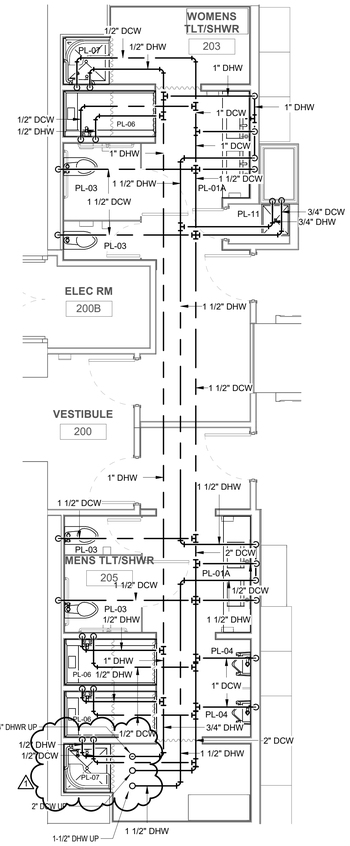
DRAWING NUMBER:
P-102

SHEET: OF



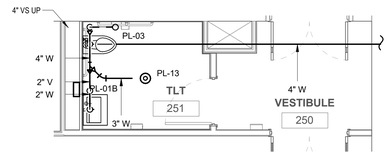
PLUMBING SECOND FLOOR WOMEN'S TLT/SHWR 203/MENS 205 WASTE & VENT PART PLAN

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



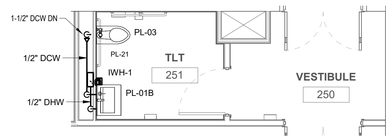
PLUMBING SECOND FLOOR WOMEN'S TLT/SHWR 203/MENS 205 DOMESTIC WATER PART PLAN

2 Scale: 1/4" = 1'-0"



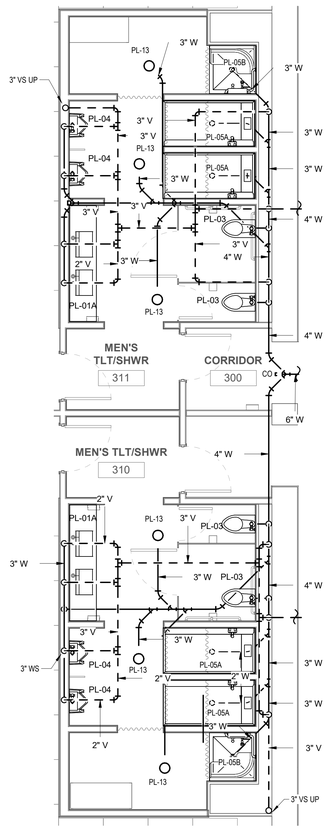
PLUMBING SECOND FLOOR TLT 251 SANITARY PART PLAN

3 Scale: 1/4" = 1'-0"



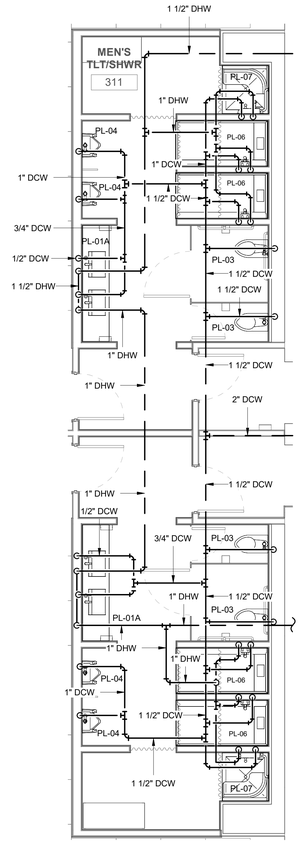
PLUMBING SECOND FLOOR TLT 251 DOMESTIC WATER PART PLAN

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



PLUMBING THIRD FLOOR MENS 310/311 SANITARY PART PLAN

7 Scale: 1/4" = 1'-0"



PLUMBING THIRD FLOOR MENS 310/311 DOMESTIC WATER PART PLAN

8 Scale: 1/4" = 1'-0"

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NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

Dewberry

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NICHOLAS R. SAPONARA
LICENSED PROFESSIONAL ENGINEER
NEW YORK
Expiration Date:
December 31, 2025

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-14-2024	ADDENDUM 6
	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	GEORGE LORUSSO
DRAWN BY:	GEORGE LORUSSO
FIELD CHECK:	GREG MUELLER
APPROVED:	NICK SAPONARA

SHEET TITLE:
PLUMBING PART PLAN BATHROOMS II

DRAWING NUMBER:
P-406

SHEET: OF

GAS FIRED DOMESTIC WATER HEATER SCHEDULE

MANUFACTURER: A.O. SMITH AS STANDARD

TAG	LOCATION	MODEL NUMBER	SERVICE	CAPACITY (GAL)	NAT. GAS DATA			ELECTRICAL DATA		HOT WATER OUTPUT TEMP (DEG F.)	THERMAL EFFICIENCY	COMMENTS
					BTU/H INPUT	NAT GAS PRESSURE W.C.	NAT GAS PIPE SIZE	AMPS	VOLT/PH/HZ.			
DWH-1	MER PREBUILT BULKHEAD	BTH-400A	DOMESTIC HOT WATER	119	400,000	4.8"-14"	2"	15	120/1/60	140	96%	1,2,3,4,5,6,7,8,9
DWH-2	MER PREBUILT BULKHEAD	BTH-400A	DOMESTIC HOT WATER	119	400,000	4.8"-14"	2"	15	120/1/60	140	96%	1,2,3,4,5,6,7,8,9

COMMENTS:
1. AUTOMATIC CONTROLS W/ SAFETY SHUTOFF
2. A.S.M.E. TEMPERATURE RELIEF VALVE
3. ANODIC PROTECTION
4. DIELECTRIC UNIONS INSTALLED IN WATER LINES WHERE DISSIMILAR METALS ARE JOINED.
5. DRAIN VALVE
6. A.S.M.E. CONSTRUCTION
7. AUTOMATIC HIGH TEMP. LIMIT
8. NFS APPROVED AND UL LISTED
9. PROVIDED OPTIONAL CONDENSATE NUTRALIZATION KITS PART NO. (BTH-400-500KIT P/N 100289340

Hydropneumatic Tank Schedule

ITEM	LOCATION	INLET SIZE	COMMENTS
	HYDROPNEUMATIC DRAWDOWN TANK		

DOMESTIC WATER BOOSTER PUMP SCHEDULE

MANUFACTURER: ARMSTRONG AS STD.

TAG	LOCATION	MODEL NUMBER	SERVICE	HYDRAULIC DATA				MOTOR DATA			COMMENTS
				DESIGN FLOW (GPM)	DYNAMIC HEAD (FT)	SUCTION PRESSURE	NO. PUMPS	BHP	RPM	VOLT/PH/HZ.	
DBP-1	MECHANICAL ROOM	N250322S-10	DOMESTIC COLD WATER SYSTEM	220	190	28 FT	3	10	3600	208/3/60	1,2,3,4,5

COMMENTS:
1. PUMPS ARE TO OPERATE ON 2 DUTY/ 1 STANDBY STAINLESS STEEL 304
2. INSTALL TRIPLEX PUMPS ACCORDING TO MANUFACTURERS INSTRUCTION
3. PROVIDE HYROPNEUMATIC TANK PER MANUFACTURER'S INSTRUCTION
4. SET PUMP DISCHARGE PRESSURE SUCH THAT 75 PSI WILL BE DELIVERED TO PL-03 IN MENS RM B59

GREASE INTERCEPTOR SCHEDULE

MANUFACTURER: MIFAB AS STD.

TAG	LOCATION	MODEL NUMBER	SERVICE	INLET SIZE	OUTLET SIZE	FLOW (GPM)	CAPACITY		COMMENTS
							GREASE (LBS)	WATER (U.S.G)	
GI-1	DRILL HALL FLOOR ACCESS	XL-MI-G-1	KITCHEN SANITARY WASTE	4"	4"	100	200	192	1,2,3

COMMENTS:
1. PROVIDE WITH VENTED FLOW CONTROL FITTING
2. REFER TO DETAIL 5/P-503
3. PROVIDE WITH REMOTE SUCTION WASTE LINE. SEE P-112.

HOT WATER CIRCULATION PUMP SCHEDULE

TACO AS STD.

TAG	LOCATION	MODEL NUMBER	SERVICE	HYDRAULIC DATA			MOTOR DATA		COMMENTS
				DESIGN FLOW (GPM)	DYNAMIC HEAD (FT)	RPM	MOTOR HP	VOLT/PH/HZ.	
CP-1	MECHANICAL PREBUILT BULKHEAD	1911	DOMESTIC HOT WATER CIRCULATION, DWH-1 TO STORAGE TANK	30	15	1750	0.22	208/1/30	
CP-2	MECHANICAL PREBUILT BULKHEAD	1911	DOMESTIC HOT WATER CIRCULATION, DWH-2 TO STORAGE TANK	30	15	1750	0.22	208/1/30	

COMMENTS:
1. PROVIDE HAYS BALANCING VALVE AT EACH HOT WATER SUPPLY AND RETURN POINT
2. PROVIDE TIMER AND AQUASTAT EQUAL TO HONEYWELL L6006A

RPZ SCHEDULE

MANUFACTURER: WATTS

TAG	LOCATION	MODEL NUMBER	SERVICE	QTY	CONNECTION SIZE (NPS)	PERFORMANCE DATA		COMMENTS
						DESIGN FLOW (GPM)	MAX PRESSURE DROP (PSI)	
RPZ-1	FIRST FLOOR DRILL HALL	LF909	DOMESTIC COLD WATER	1	4"	150	13	1,2
RPZ-2	FIRST FLOOR DRILL HALL	LF909	DOMESTIC COLD WATER	1	4"	150	13	1,2

COMMENTS:
1. PROVIDE REQUIRED ACCESSORIES: QUARTER TURN BALL VALVES AND BRONZE STRAINER
2. REFER TO DETAIL 4/P-503

INSTANT WATER HEATER SCHEDULE

MANUFACTURER: CHRONOMITE AS STD.

TAG	LOCATION	MODEL NUMBER	SERVICE	WATER DATA		ELECTRICAL DATA		COMMENTS
				DESIGN FLOW (GPM)	TEMP RISE (F)	WATTS	VOLT/PH/HZ	
IWH-1	TLT 251	M-40L/208	DOMESTIC HOT WATER	1.0	57	9,600	208/1/60	1

COMMENTS:

HOT WATER RETURN CIRCULATION PUMP SCHEDULE

BELL & GOSSETT AS STD.

TAG	LOCATION	MODEL NUMBER	SERVICE	HYDRAULIC DATA		MOTOR DATA		COMMENTS
				DESIGN FLOW (GPM)	DYNAMIC HEAD (FT)	WATTS	VOLT/PH/HZ.	
RP-1	MECHANICAL ROOM	NBF-36	DOMESTIC HOT WATER RETURN SYSTEM	8	15	270	120/1/60	

COMMENTS:
1. PROVIDE HAYS BALANCING VALVE AT EACH HOT WATER SUPPLY AND RETURN POINT

DOMESTIC HOT WATER STORAGE TANK SCHEDULE

MANUFACTURER: AO SMITH AS STD.

TAG	LOCATION	MODEL NUMBER	SERVICE	CAPACITY (GAL)	WORKING PRESSURE (PSI)	DIMENSIONS (IN)			COMMENTS
						DIAMETER	VERTICAL HEIGHT	HORIZONTAL LENGTH	
ST-1	MECHANICAL PREBUILT BULKHEAD	HD*48-1300A	DOMESTIC HOT WATER	1,315	150	48"	172"	168"	1,2,3,4,5,6,7
ET-1	MECHANICAL PREBUILT BULKHEAD	ST-120VC	DOMESTIC HOT WATER	68	150	24"	44"	-	1,2,3,4,5,6,7
ET-2	JC 147	ST-5C	DOMESTIC HOT WATER	2	150	8"	14"	-	1,2,3,4,5,6,7

COMMENTS:
1. A.S.M.E. TEMPERTURE AND PRESSURE RELIEF VALVE.
2. ANODIC PROTECTION
3. DIELECTRIC UNIONS INSTALLED IN WATER LINES.
4. DRAIN VALVES
5. A.S.M.E. CONSTRUCTION
6. NFS APPROVED AND UL LISTED.
7. GLASS LINED.

SUBMERSIBLE EJECTOR PUMP SCHEDULE

STANCOR OIL MINDER LIQUIDATOR AS STD.

TAG	LOCATION	MODEL NUMBER	SERVICE	HYDRAULIC DATA		MOTOR DATA			PIPE CONNECTION SIZE	COMMENTS
				DESIGN FLOW (GPM)	HEAD (FT)	HP	RPM	VOLT/PH/HZ.		
EP-1	SECTOR 2 UTILITY ELEVATOR	OM50JB/EL V/LIQUIDA...	ELEVATOR EJECTOR PUMP	50	25	1/2	3450	120/1/60	2"	1,2,3

COMMENTS:
1. EJECTOR PUMP TO BE PROVIDED WITH 36" 2'-0" BASIN.
2. PROVIDE EJECTOR PUMP WITH OIL MINDER LIQUIDATOR.
3. PROVIDE WITH HOLDING TANK MINIMUM 55 GALLONS STORAGE.
4. SECURE CONTROL PANEL AND HIGH LEVEL OIL ALARM ON WALL AS SHOWN ON FLOOR PLANS.

GAS BOOSTER PUMP SCHEDULE

ACCARDI AS STD.

TAG	LOCATION	MODEL NUMBER	SERVICE	HYDRAULIC DATA			MOTOR DATA		COMMENTS
				INLET PRESSURE	PRESSURE BOOST	CFH(MAX)	MOTOR HP	VOLT/PH/HZ.	
GB-1	GAS SERVICE B40	HB-3314-0.5	KITCHEN/DOMESTIC WATER	4" WC	9" WC	5,300	0.5	208/3/60	
GB-2	GAS SERVICE B40	HB4614-1	BOILER/HVAC	4" WC	9" WC	17,800	1	208/3/60	

COMMENTS:
1. PROVIDE DISCHARGE REGULATOR AT BOOSTER SKID OUTLET.
2. PROVIDE WITH UL/CSA LISTED INLET CHECK VALVE AND INLET LOW PRESSURE SWITCH MEETING CON EDISON REQUIREMENTS.

OIL/WATER SEPARATOR SCHEDULE

TAG	LOCATION	CAPACITY	COMMENTS
OS-1	MECH RM B57	55 GAL	1

COMMENTS
1. HIGH LEVEL OIL ALARM RACKED ON WALL.

ELECTRIC DOMESTIC WATER HEATER SCHEDULE

MANUFACTURER: LOCHNIVAR AS STANDARD

TAG	LOCATI...	MODEL NUMBER	SERVICE	CAPACITY	ELECTRICAL DATA		HOT WATER OUTPUT TEMP (DEG F.)	COMMENTS
					WATTS	VOLTS/PH/HZ		
WH-1	JC 147	EJJ020KS	DOMESTIC WATER	20	4,500	208/1/60	130	1,2,3,4,5,6,7,8

1. AUTOMATIC CONTROLS W/ SAFETY SHUTOFF.
2. A.S.M.E. TEMPERATURE RELIEF VALVE.
3. ANODIC PROTECTION.
4. DIELETRIC UNIONS INSTALLED IN WATER LINES.
5. DRAIN VAVLE.
6. A.S.M.E. CONSTRUCTION
7. AUTOMATIC HIGH TEMP. LIMIT.
8. NFS APPROVED AND UL LISTED
9. PROVIDE WITH EXPANSION TANK ET-2.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

Dewberry

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STATE OF NEW YORK NICHOLAS R. SAPONARA LICENSED PROFESSIONAL ENGINEER 090109 EXPIRATION DATE: December 31, 2025

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION: STATE ARMORY 68 LEXINGTON AVENUE NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-14-2024	ADDENDUM 6
	02-29-2024	BID SET

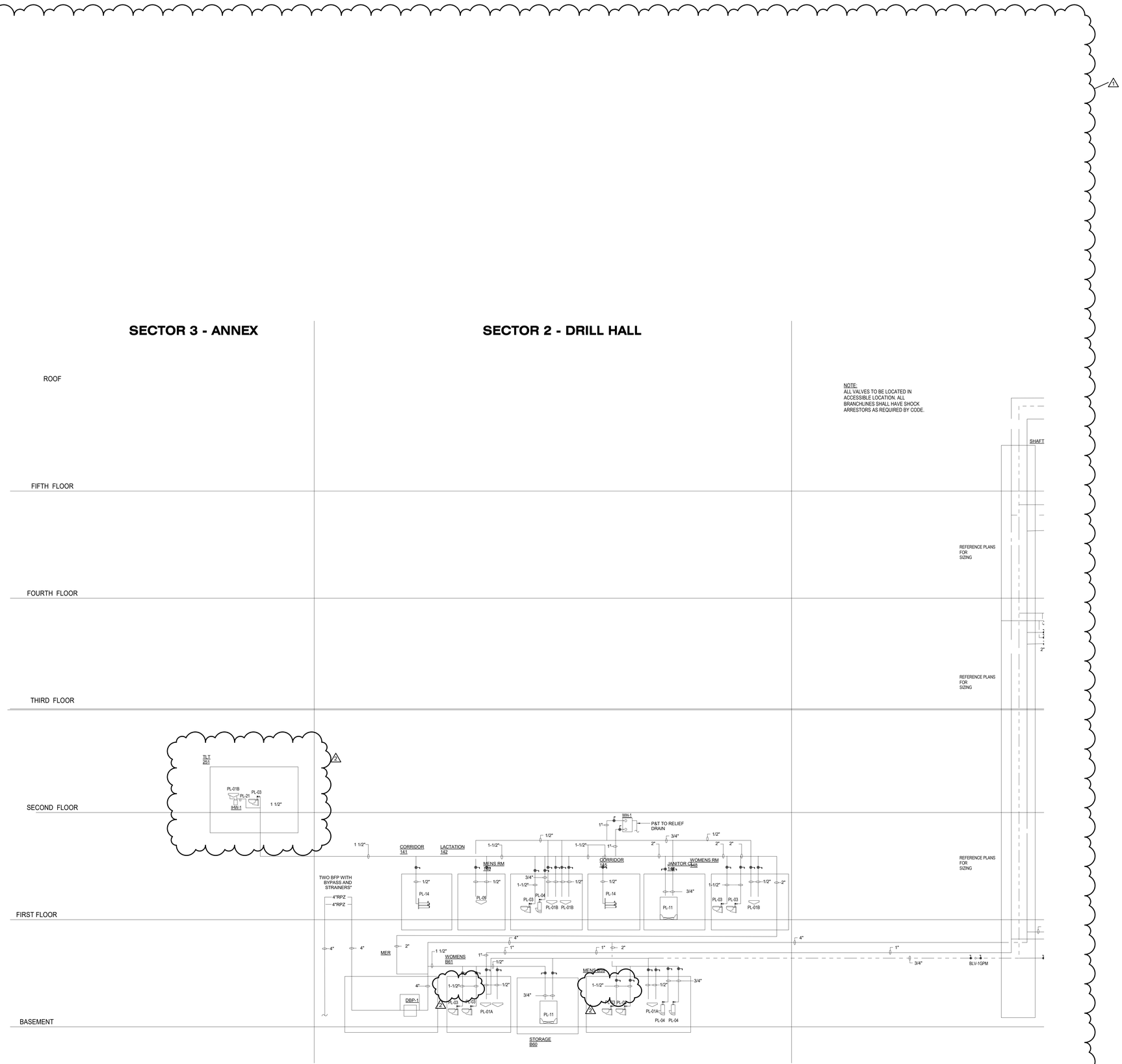
PROJECT NUMBER: 47166-C
DESIGNED BY: GEORGE LORUSSO
DRAWN BY: GEORGE LORUSSO
FIELD CHECK: GREG MUELLER
APPROVED: NICK SAPONARA

SHEET TITLE: PLUMBING SCHEDULES

DRAWING NUMBER: P-601

SHEET: OF

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1 DOMESTIC WATER RISER DIAGRAM SECTOR 2 & 3
Scale: N.T.S.

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42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION
CERTIFICATE OF AUTHORIZATION #: 0018327
Dewberry

UNIFORM CODE WRITTEN STATEMENT:
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ENERGY CODE WRITTEN STATEMENT:
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STATE OF NEW YORK
NICHOLAS R. SAPONARA
LICENSED PROFESSIONAL ENGINEER
EXPIRATION DATE:
December 31, 2025

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
2	06-14-2024	ADDENDUM 6
1	06-07-2024	ADDENDUM 5
	02-29-2024	BID SET

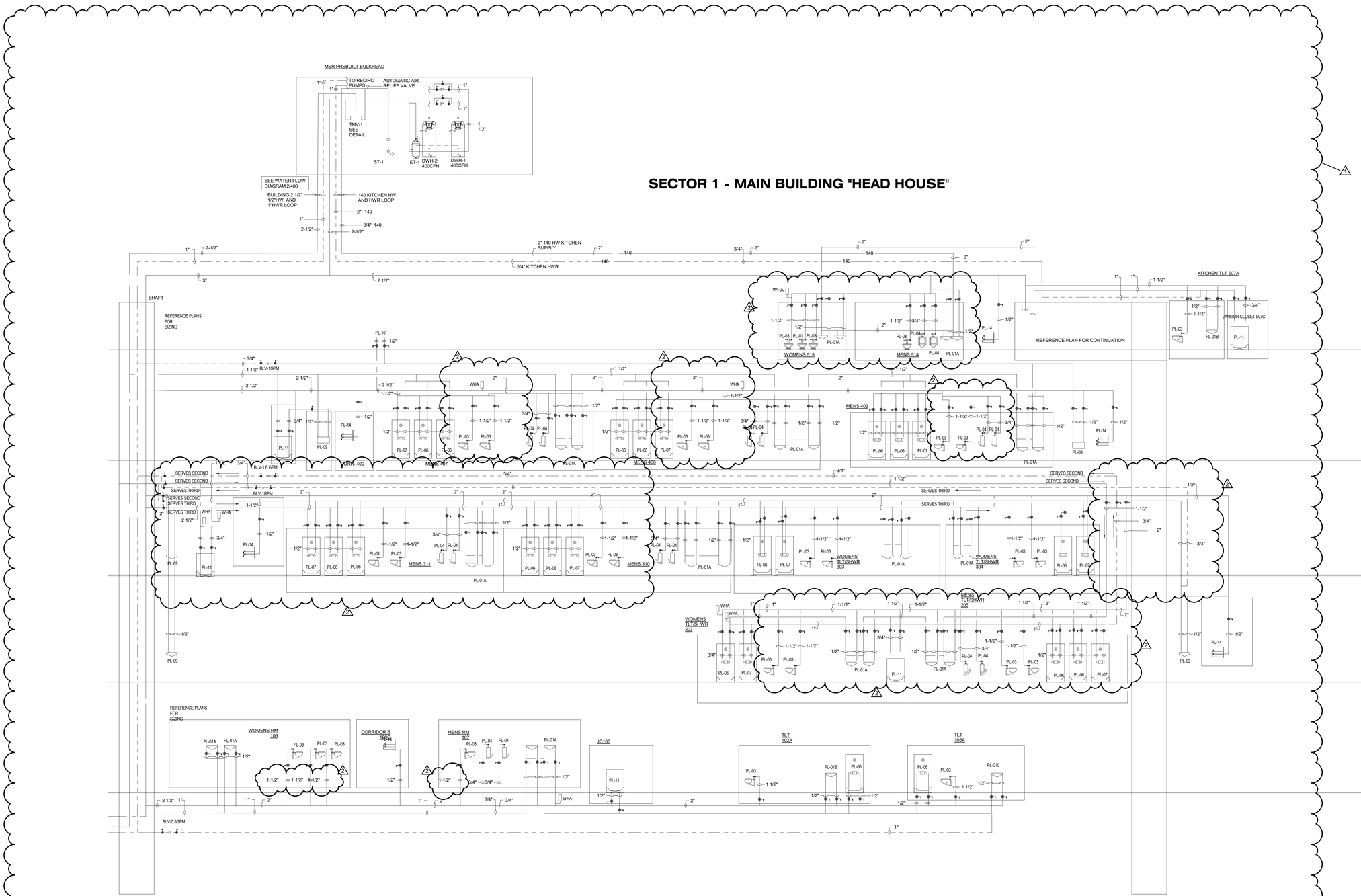
PROJECT NUMBER:	47166-C
DESIGNED BY:	GEORGE LORUSSO
DRAWN BY:	GEORGE LORUSSO
FIELD CHECK:	GREG MUELLER
APPROVED:	NICK SAPONARA

SHEET TITLE:
PLUMBING DOMESTIC WATER RISERS

DRAWING NUMBER:
P-900

SHEET: OF

NOTE:
ALL VALVES TO BE LOCATED IN ACCESSIBLE LOCATION. ALL BRANCHLINES SHALL HAVE SHOCK ARRESTORS AS REQUIRED BY CODE.



1 DOMESTIC WATER RISER DIAGRAM SECTOR 1
Scale: N.T.S.

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NEW YORK STATE OF OPPORTUNITY. Office of General Services

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68 LEXINGTON AVENUE
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CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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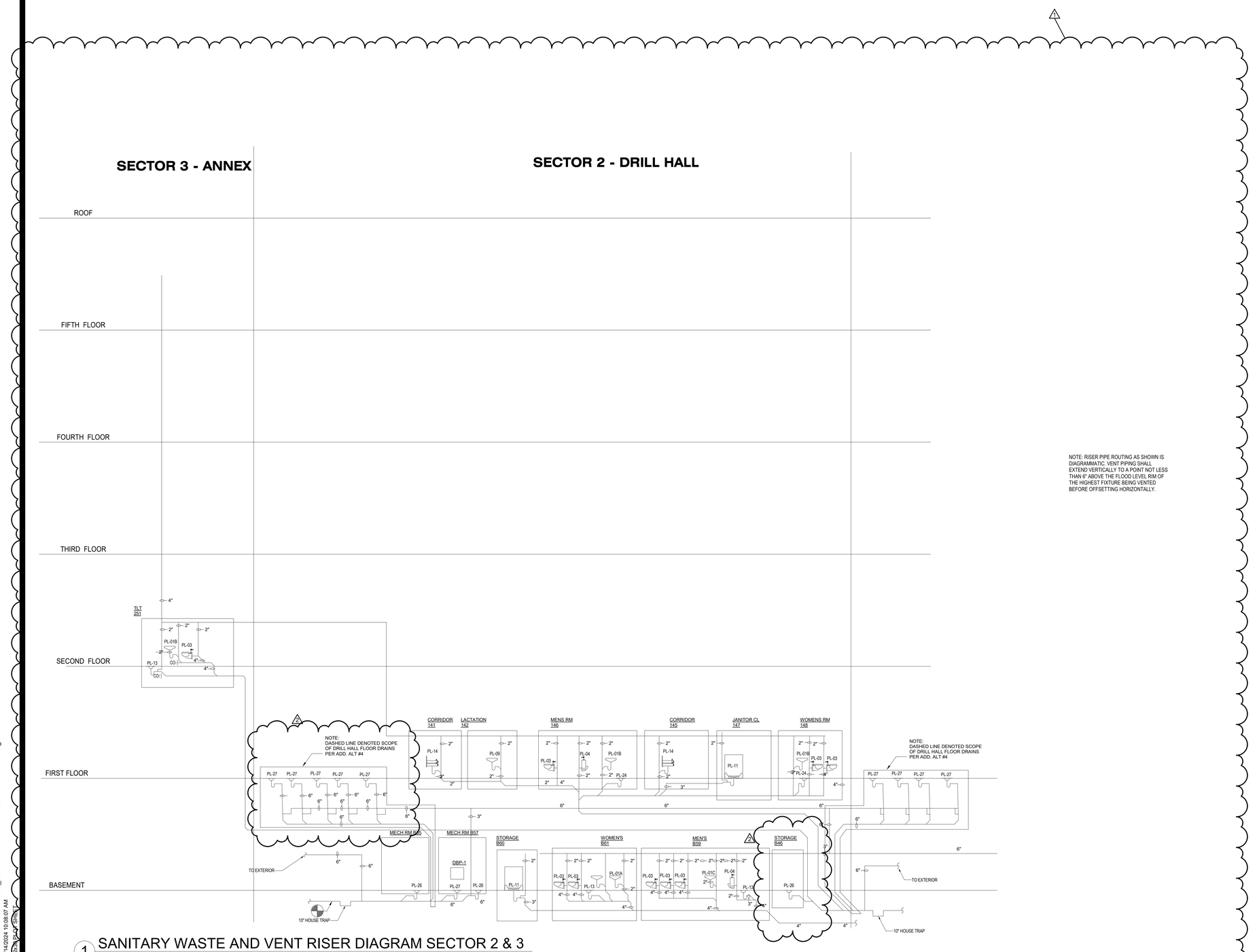
MARK	DATE	DESCRIPTION
2	06-14-2024	ADDENDUM 6
1	06-07-2024	ADDENDUM 5
	02-29-2024	BID SET

PROJECT NUMBER: 47166-C
DESIGNED BY: GEORGE LORUSSO
DRAWN BY: GEORGE LORUSSO
FIELD CHECK: GREG MUELLER
APPROVED: NICK SAPONARA

SHEET TITLE:
PLUMBING DOMESTIC WATER RISERS

DRAWING NUMBER: P-901

SHEET: OF



1 SANITARY WASTE AND VENT RISER DIAGRAM SECTOR 2 & 3
Scale: N.T.S.

NOTE: RISER PIPE ROUTING AS SHOWN IS DIAGRAMMATIC. VENT PIPING SHALL EXTEND VERTICALLY TO A POINT NOT LESS THAN 6" ABOVE THE FLOOD LEVEL RIM OF THE HIGHEST FIXTURE BEING VENTED BEFORE OFFSETTING HORIZONTALLY.

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STATE OF NEW YORK · NICHOLAS R. SAPONARA · LICENSED PROFESSIONAL ENGINEER
EXPIRATION DATE: December 31, 2025

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LOCATION: STATE ARMORY
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FIELD CHECK:	GREG MUELLER
APPROVED:	NICK SAPONARA

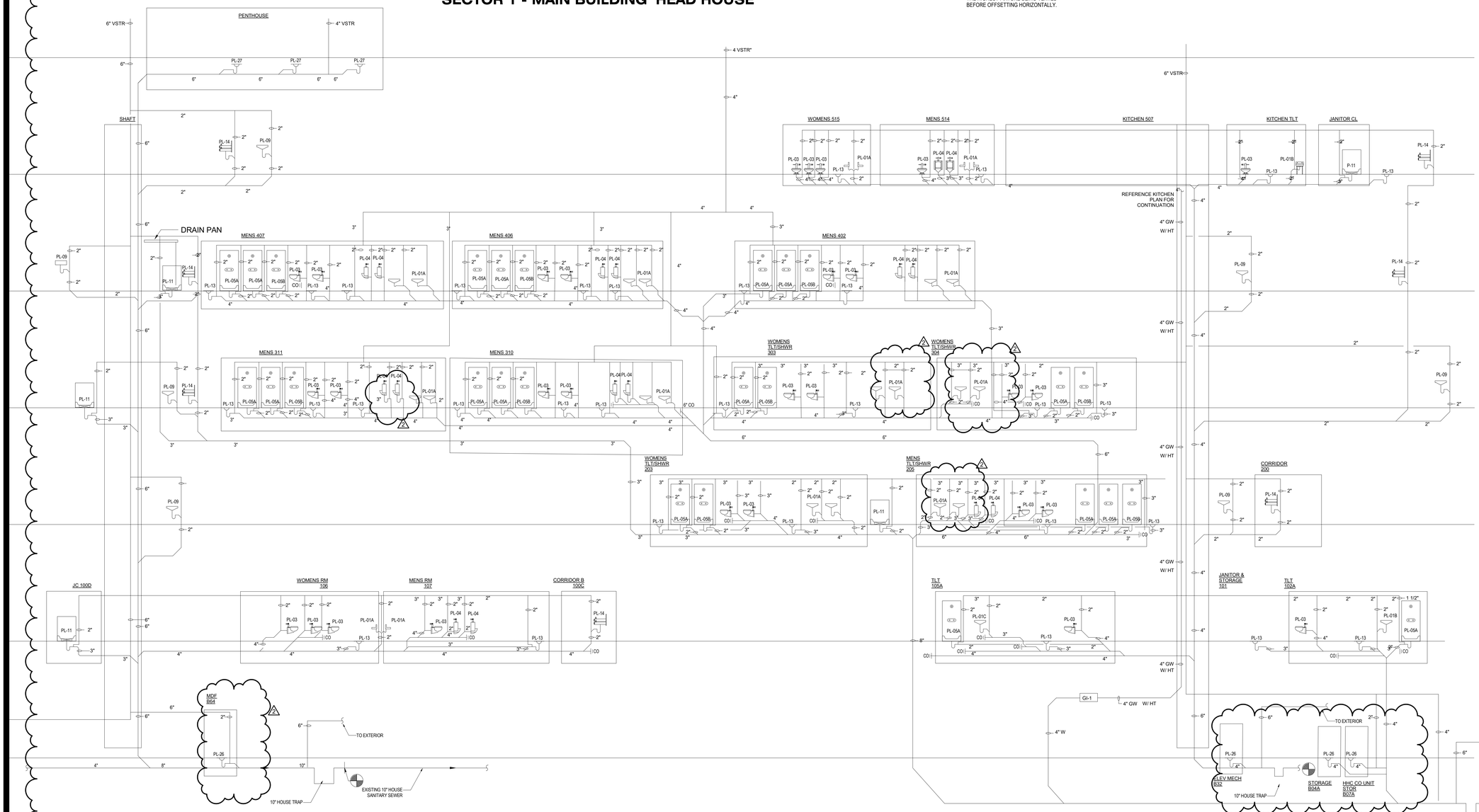
SHEET TITLE:
PLUMBING SANITARY WASTE AND VENT RISERS

DRAWING NUMBER:
P-902

SHEET: OF

SECTION 1 - MAIN BUILDING "HEAD HOUSE"

NOTE: RISER PIPE ROUTING AS SHOWN IS DIAGRAMMATIC. VENT PIPING SHALL EXTEND VERTICALLY TO A POINT NOT LESS THAN 6" ABOVE THE FLOOD LEVEL RIM OF THE HIGHEST FIXTURE BEING VENTED BEFORE OFFSETTING HORIZONTALLY.



1 SANITARY WASTE AND VENT RISER DIAGRAM SECTOR 1

Scale: 1/8" = 1'-0"

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42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

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TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

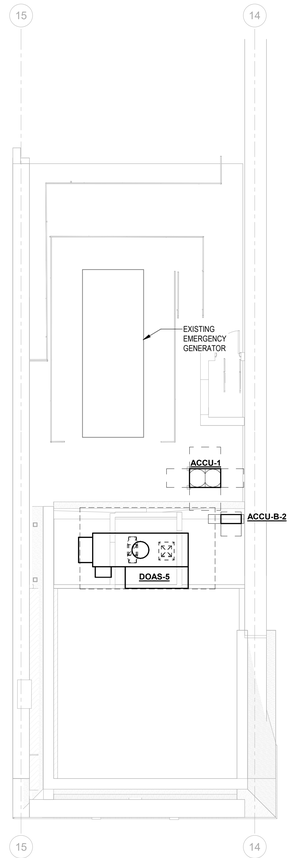
MARK	DATE	DESCRIPTION
2	06-14-2024	ADDENDUM 6
1	06-07-2024	ADDENDUM 5
	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	GEORGE LORUSSO
DRAWN BY:	GEORGE LORUSSO
FIELD CHECK:	GREG MUELLER
APPROVED:	NICK SAPONARA

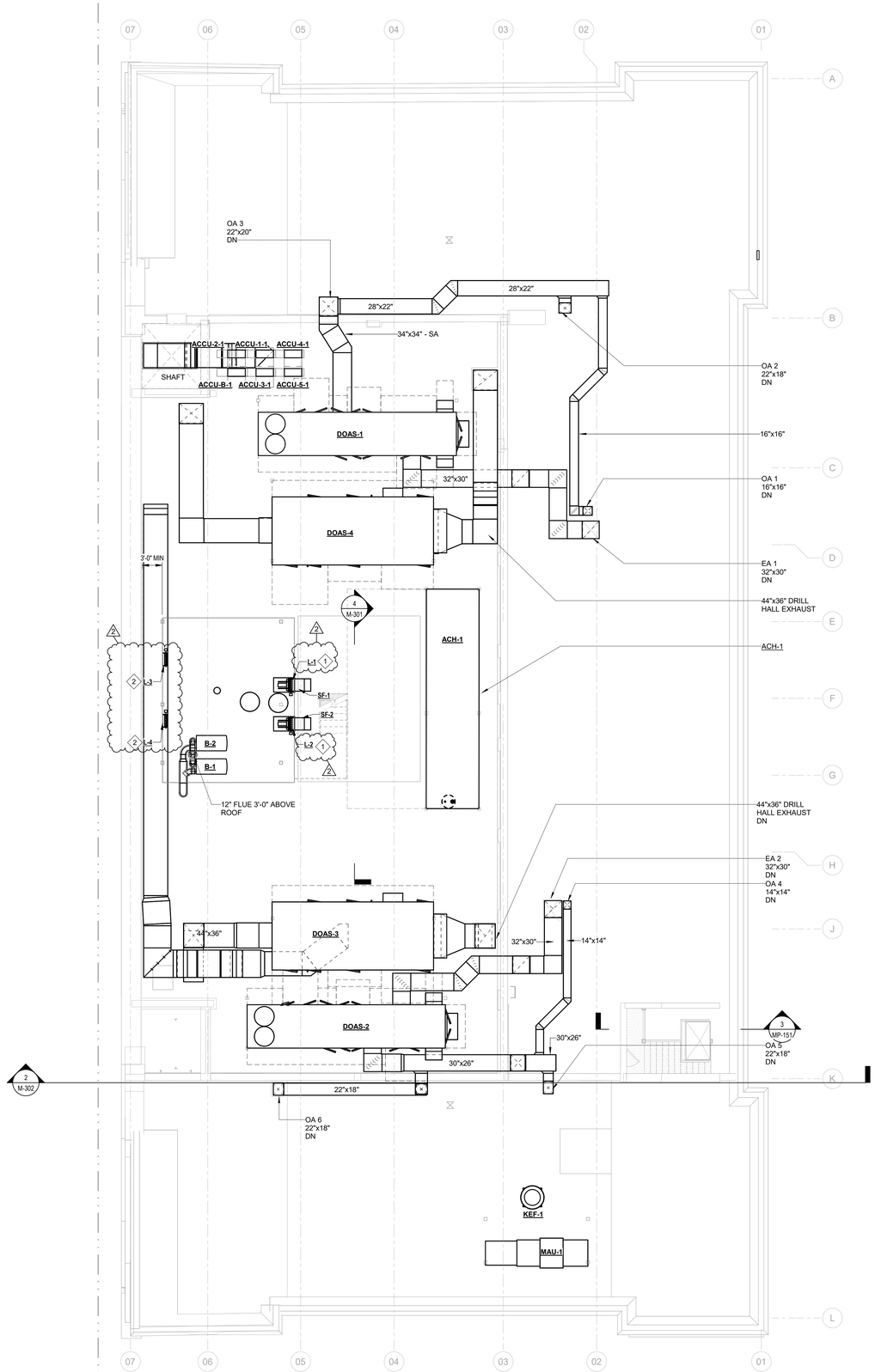
SHEET TITLE:
PLUMBING SANITARY WASTE AND VENT RISERS

DRAWING NUMBER:
P-903

SHEET: OF



2 ROOF MECHANICAL DUCTWORK PLAN - SECTOR 3
1/8" = 1'-0"



1 ROOF MECHANICAL DUCTWORK PLAN - SECTOR 1
1/8" = 1'-0"

DUCTWORK GENERAL NOTES:

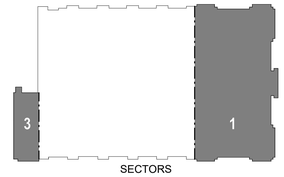
1. DUCTWORK SHOWN ON PLANS ARE FOR ROUTING PURPOSES ONLY AND DO NOT REPRESENT ALL DUCT, FITTINGS, DAMPERS, HANGERS AND ALL OTHER ANCILLARY ELEMENTS THAT ARE REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL NECESSARY COMPONENTS AS REQUIRED TO COMPLETE THE WORK. SEE RISERS, DETAILS, AND SPECIFICATIONS FOR ADDITIONAL REQUIRED ELEMENTS.
2. INSTALL OFFSETS AS REQUIRED TO AVOID INTERFERENCES WITH THE EXISTING COMPONENTS THAT ARE TO REMAIN IN SERVICE.
3. REFER TO MECHANICAL DETAILS AND STRUCTURAL DRAWINGS FOR BUILDING ATTACHMENT DETAILS.
4. PROVIDE INSULATION ON DUCT PER SPECIFICATION SECTION 230719.
5. ALL EXPOSED DUCTWORK SHALL BE OVAL AND PAINTED PER ARCHITECTS RECOMMENDATIONS.
6. PROVIDE LINEAR SLOT DIFFUSERS IN ARCHITECTURAL CEILING. ALL INACTIVE SECTIONS ARE TO BE USED FOR RETURN AIR. REFER TO PLANS FOR DIFFUSER LENGTHS.
7. PROVIDE DOOR UNDERCUT. SEE ARCHITECTURAL DRAWINGS.
8. PROVIDE 1" THICK ACOUSTICAL LINING FOR THE FIRST 25 FEET DOWNSTREAM OF UNIT DISCHARGE FOR ALL DEDICATED OUTDOOR AIR UNIT.

1

KEYED NOTES

1. PROVIDE COMBINATION FIRE SMOKE DAMPER ON INTAKE LOUVER.
2. PROVIDE COMBINATION FIRE SMOKE DAMPER ON EXHAUST LOUVER.

2



SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

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STATE OF NEW YORK · NICHOLAS R. SAPONARA · LICENSED PROFESSIONAL ENGINEER
EXPIRATION DATE: 12/31/2026

PROJECT NORTH

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER
ADDITIONAL/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
2	06-14-2024	ADDENDUM 6
1	05-31-2024	ADDENDUM 4
	02-29-2024	BID SET

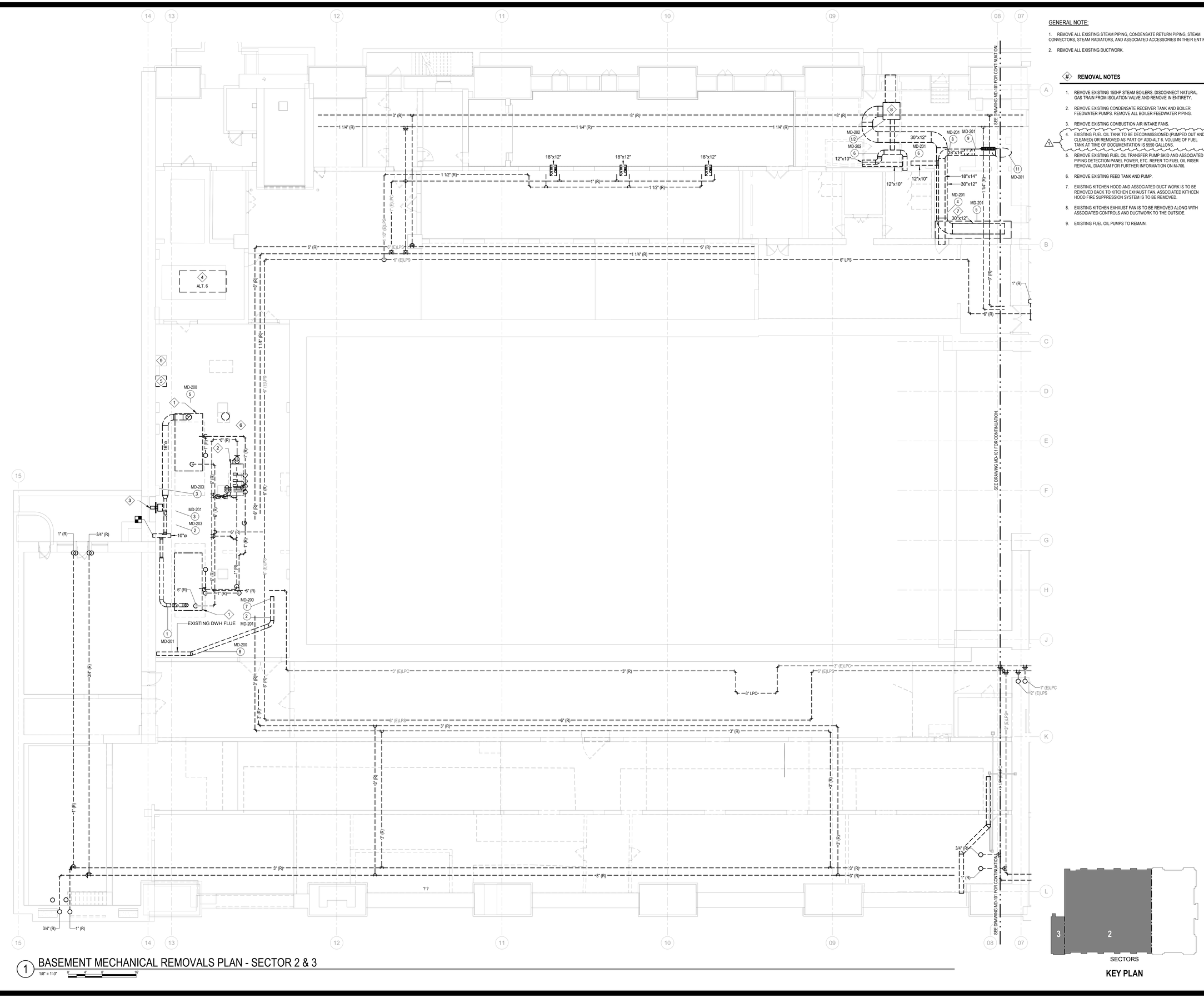
PROJECT NUMBER:	47166-C
DESIGNED BY:	SANTIAGO ALVARADO
DRAWN BY:	SANTIAGO ALVARADO
FIELD CHECK:	GREG MUELLER
APPROVED:	NICK SAPONARA

SHEET TITLE:
ROOF MECHANICAL DUCTWORK PLAN - SECTOR 1 & 3

DRAWING NUMBER:
M-152

SHEET: OF

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42x30 PLOT SHEET



1 BASEMENT MECHANICAL REMOVALS PLAN - SECTOR 2 & 3

1/8" = 1'-0"

0' 4' 8' 16'

KEY PLAN

GENERAL NOTE:

1. REMOVE ALL EXISTING STEAM PIPING, CONDENSATE RETURN PIPING, STEAM CONVECTORS, STEAM RADIATORS, AND ASSOCIATED ACCESSORIES IN THEIR ENTIRETY.
2. REMOVE ALL EXISTING DUCTWORK.

REMOVAL NOTES

1. REMOVE EXISTING 150HP STEAM BOILERS. DISCONNECT NATURAL GAS TRAIN FROM ISOLATION VALVE AND REMOVE IN ENTIRETY.
2. REMOVE EXISTING CONDENSATE RECEIVER TANK AND BOILER FEEDWATER PUMPS. REMOVE ALL BOILER FEEDWATER PIPING.
3. REMOVE EXISTING COMBUSTION AIR INTAKE FANS.
4. EXISTING FUEL OIL TANK TO BE DECOMMISSIONED (PUMPED OUT AND CLEANED) OR REMOVED AS PART OF ADD-ALT 6. VOLUME OF FUEL TANK AT TIME OF DOCUMENTATION IS 5550 GALLONS.
5. REMOVE EXISTING FUEL OIL TRANSFER PUMP SKID AND ASSOCIATED PIPING DETECTION PANEL POWER, ETC. REFER TO FUEL OIL RISER REMOVAL DIAGRAM FOR FURTHER INFORMATION ON M-706.
6. REMOVE EXISTING FEED TANK AND PUMP.
7. EXISTING KITCHEN HOOD AND ASSOCIATED DUCT WORK IS TO BE REMOVED BACK TO KITCHEN EXHAUST FAN. ASSOCIATED KITHCEN HOOD FIRE SUPPRESSION SYSTEM IS TO BE REMOVED.
8. EXISTING KITCHEN EXHAUST FAN IS TO BE REMOVED ALONG WITH ASSOCIATED CONTROLS AND DUCTWORK TO THE OUTSIDE.
9. EXISTING FUEL OIL PUMPS TO REMAIN.

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STATE OF NEW YORK NICHOLAS R. SAPONARA 024900 LICENSED PROFESSIONAL ENGINEER EXPIRATION DATE: 12/31/2025

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CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITIONAL/ALTERATION

LOCATION: STATE ARMORY
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CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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1	06-14-2024	ADDENDUM 6
	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	SANTIAGO ALVARADO
DRAWN BY:	SANTIAGO ALVARADO
FIELD CHECK:	GREG MUELLER
APPROVED:	NICK SAPONARA

SHEET TITLE: BASEMENT MECHANICAL REMOVALS PLAN - SECTOR 2 & 3

DRAWING NUMBER: MD-102

SHEET: OF

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