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

ADDENDUM NO. 1 TO PROJECT NO. 47662

**CONSTRUCTION, HVAC AND ELECTRICAL WORK
REPAIR STORM DRAINAGE, PROVIDE FOUNDATION
WATERPROOFING & ELEVATORS
STATE ARMORY
150-74 6TH AVE
WHITESTONE, NY**

June 30, 2025

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.

CONSTRUCTION WORK SPECIFICATIONS

1. Page 032000-3, Article 2.1, Add the following Paragraph:

   "C. Low-alloy steel reinforcing bars: ASTM A706, Deformed."

2. Page 033000-3, Paragraph 1.4.G, Add the following Subparagraph:

   "13. Calculated equilibrium unit weight, for lightweight concrete."

3. Page 033000-6, Article 2.2, Add the following Paragraph:

   "G. Lightweight Aggregate: ASTM C330, 3/4-inch nominal maximum aggregate size."

4. Page 033000-9, Subparagraphs 2.8.A.6.a and 2.8.B.6.a: Change subparagraph to read:

   "a. Exposure Classes F2 and F3: 6 percent, plus or minus 1.5 percent at point of delivery for concrete containing 1-inch nominal maximum aggregate size.

5. Page 033000-21, Paragraph 3.13.4: Change paragraph to read:

   "4. "Air Content: ASTM C231 pressure method, for normal-weight concrete; ASTM C173 volumetric method, for structural lightweight concrete.

      a. One test for each composite sample, but not less than one test for each day's pour of each concrete mixture."

6. SECTION 142000 ELEVATORS (NEW INSTALLATIONS): Discard the Section bound in the Project Manual and substitute the accompanying Sections (pages 142000 – 1 thru 142000 – 8) noted "Revised 06/27/2025".

7. SECTION 142711 ELEVATOR CARS: Discard the Section bound in the Project Manual and substitute the accompanying Sections (pages 142711 – 1 thru 142711 – 6) noted "Revised 06/27/2025".

8. SECTION 142816 ELEVATOR CONTROLLER AND OPERATION: Discard the Section bound in the Project Manual and substitute the accompanying Sections (pages 142816 – 1 thru 142816 – 4) noted "Revised 06/27/2025".

9. SECTION 142821 ELEVATOR HOISTWAY ENTRANCES: Discard the Section bound in the Project Manual and substitute the accompanying Sections (pages 142821 – 1 thru 142821 – 6) noted "Revised 06/27/2025".

CONSTRUCTION WORK DRAWINGS

10. Revised Drawings:
    a. Drawing Nos. G-002, LS-101, C-002, C-150, C-504, C-505, S-101, S-111, S-121, S-131, S-301, S-311, S-911, S-921, A-001, A-101, A-102, A-103, A-104, A-201, A-202, A-301, A-302, A-303, A-305, A-402, A-403, A-601, A-602, A-603, A-604 and A-606, noted "ADDENDUM NO. 1 06/27/2025", accompany this Addendum and supersede the same numbered originally issued drawings:

11. Drawing No. S-601
    a. SCHEDULE 3/S-601: Delete this schedule in its entirety.

END OF ADDENDUM

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

SECTION 142000 – ELEVATORS (NEW INSTALLATIONS)

PART 1 - GENERAL

1.1 PRODUCTS PROVIDED BY OTHERS

A. The following items will be provided by the Construction Work Contractor:

1. Enclosed hoistway, including structural beams at top of shaft to carry the loads imposed on the building by the elevator equipment.
2. Elevator pit of proper depth below the lowest landing including waterproofing and a pit ladder.
3. Sill support angles for each hoistway entrance.

B. The following items will be provided by the Electrical Work Contractor:

1. Power feeder terminating at line terminals of elevator controller.
2. Fused disconnect switch or enclosed circuit breaker with auxiliary contact.
3. Single phase circuit for elevator cab lighting, terminating in a fused disconnect switch or circuit breaker.
4. Smoke detection system for Phase I - Emergency Recall Operation terminating at a terminal strip cabinet.
5. Emergency power signaling conductors from automatic transfer switches to the elevator controller(s).
6. Lighting in elevator pit.
7. Telephone wiring terminated in the elevator machine room.

1.2 PRODUCTS FURNISHED BY OTHERS AND INSTALLED UNDER THIS CONTRACT

A. The following items will be furnished under the Electrical Work Contract for installation under this Contract:

1. Fire warden telephone jack for each elevator cab.

1.3 RELATED WORK SPECIFIED ELSEWHERE

A. Elevator Hoisting Equipment - Gearless Electric: Section 142111.

B. Elevator Cars: Section 142711.

C. Elevator Controller and Operation: Section 142816.

D. Elevator Hoistway Equipment: Section 142820.

E. Elevator Hoistway Entrances: Section 142821.

F. Elevator Door Operators: Section 142813.

G. Elevator Safety Equipment: Section 142851.

H. Elevator Landing Signal Equipment: Section 142861.

I. Elevator Emergency Operation and Emergency Signal Devices: Section 142871.

J. Elevator Wiring: Section 142881.

1.4 DEFINITIONS

A. Company Field Advisor: An employee of the Company which lists and markets the primary components of the elevator equipment under their name, who is certified by the Company to be technically qualified in design, installation, and servicing of the required products, or an employee of an organization certified by the foregoing company to be technically qualified in design, installation and servicing of the required products.

1.5 SUBMITTALS

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

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

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

D. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to the Work of Division 14.

E. Submittals Package: Submit the shop drawings, product data, samples, and quality control submittals specified below at the same time as a package except for the following:

1. Control System Wiring Diagrams (Shop Drawings).
2. Test Report (Quality Control Submittal).

F. Shop Drawings:

1. Hoistway, sections and layouts showing reaction points with reactions.
2. Entrance and car details.
3. Details of doors, frames, and sills.
4. Control System Wiring Diagrams.
5. Car and lobby fixture details.
6. Isolation transformer KVA rating with calculations utilized to determine KVA rating provided.
7. Manufactures machine and emergency brake drawings.

G. Product Data:

1. Manufacturer's catalog sheets, specifications and installation instructions for each component specified.
2. Motor data shall be certified by the manufacture. Provide calculations utilized to determine horsepower rating provided.
3. Stainless steel.
4. Handicap access signage.
5. Phase I and II procedure signage.
6. Color Selections.

H. Quality Control Submittals:

1. Installers Qualifications Data:

   a. Name of each person who will be performing the Work.
   b. Employer's name, business address and telephone number.
   c. Names and addresses of the required number of similar projects that each person has worked on which meet the experience criteria.

2. Test Report: Acceptance test report.
3. Certificate: Affidavit signed by the Company Field Advisor and notarized, certifying that the equipment meets contract requirements and is operating properly.

I. Contract Closeout Submittals:

1. Operation and Maintenance Data: Deliver 2 copies, covering the installed products to the Director's Representative. Include lubrication charts, wiring diagrams and instructions. Mount and hang one copy of wiring diagrams in elevator machine room. Each sheet of wiring diagrams shall be laminated in plexiglass.
2. Deliver all portable diagnostic keyboards and or programming tools required for testing, service or maintenance to the Director's Representative. Include manuals containing all passwords, set up parameters, fault coding and all other operational and maintenance requirements. Contractor shall be able to demonstrate the required functionality of the diagnostic devices.

1.6 QUALITY ASSURANCE

A. Company Qualification: The Company, installers and supervisors employed to perform the Work of Division 14, shall be experienced in elevator Work, and shall have been engaged in the rehabilitation of elevators and have installed the products specified in Division 14 for use on this project for a minimum of 3 years.

1. Furnish to the Director the names and addresses of 5 similar projects, which the products specified in Division 14 for use on this project, have been installed during the past 3 years.

B. Product Manufacturer Qualification: If products by Companies other than those specified in Division 14 are proposed for use, furnish the name, address and telephone number of at least 5 comparable installations located within a 100 mile100-mile radius of the project site, which can prove the proposed products have operated satisfactorily for 3 years.

1. Elevator control systems shall be supported by a manufacturer's technical support office staffed with technical field advisors located within a 300 mile300-mile radius of the project site.

C. Company Field Advisor: Secure the services of a Company Field Advisor for the following:

1. Render advice regarding installation, adjustment and operation of equipment.
2. Witness tests and certify with an affidavit that the equipment installed is in accordance with contract documents and is operating properly.
3. Explain available service programs to facility supervisory personnel for consideration.

D. Seismic Design Criteria:

1. Design earthquake spectral response acceleration, period of 1 s (Sd1) for project is 0.095.
2. Design earthquake spectral response acceleration, short period (Sds) for project is 0.299.
3. Project seismic design category is B.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Packing and Shipping: Protect equipment and exposed finishes during transportation and erection against damage.

1.8 COORDINATION

A. Coordinate installation of sleeves, block outs, elevator equipment with integral anchors, and other items that are embedded in concrete or masonry for elevator equipment. Furnish templates, sleeves, elevator equipment with integral anchors, and installation instructions and deliver in time for installation.

B. Coordinate locations and dimensions of other work relating to the elevator including pit ladders, sumps, and floor drains and sump pumps in pits; entrance sill support angles and beams.

1.9 WARRANTY

A. Special Manufacturer's Warranty: Manufacturer's standard form in which manufacturer agrees to repair, restore, or replace defective elevator work within specified warranty period.

1. Warranty Period: One year from date of Project acceptance.

1.10 MAINTENANCE SERVICE

A. Initial Maintenance Service: Beginning upon Project acceptance, provide one year full maintenance service by skilled employees of elevator Installer. Include monthly preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper elevator operation at rated speed and capacity. Provide parts and supplies same as those used in the manufacture and installation of original equipment.

1. Perform maintenance, including emergency callback service, during normal working hours.

    a. Response Time: Two hours or less.

PART 2 - PRODUCTS

2.1 ELEVATOR EQUIPMENT

A. Acceptable Companies: ThyssenKrupp Elevator Co., Kone Elevator Co., Schindler Elevator Co., or equal.

B. Type of Elevator: Service.

1. Rated Load: 4,500 lb.
2. Rated Speed: 100 fpm. minimum
3. Leveling: Two way automatic.
4. Travel: 22 feet.
5. Stops: 3.
6. Openings: 1.
7. Type of Machine: Gearless Traction.
8. Machine Location: Overhead.
9. Net Car Size (Inside): 5’-8” wide by 7’-9 1/2” deep.
10. Hoistway Entrances: 48” wide by 84 inches high.

    a. Front opening horizontal slide type.

11. Car Doors: 48” wide by 84” high.

    a. Front opening horizontal slide type.

12. Door Operation: Power.
13. Signals in Car:

    a. Car position indicator.
    b. Car operating panel.
    c. Call registration lights.
    d. Direction indicators.
    e. Alarm button and gong.

14. Signals at Landings:

    a. Push button stations.
    b. Direction indicators.

2.2 PAINTING

A. Finish ferrous surfaces of the elevator Work with Company's standard multiple coat paint finish, (unless a more stringent finish is specified) including primer and latex enamel finish totaling not less than two coats. Exceptions: Do not paint sliding and rubbing surfaces. Use Company's standard colors, except as otherwise indicated.

2.3 HANDICAP ACCESS SIGNS

A. Size: Minimum 6 x 6 inches.

B. Material: Plastic laminate.

C. Message: International Symbol of Access, with:

D. Colors:

1. Background: Blue.
2. Figures or Graphic Symbols: White.

2.4 CODE DATA PLATE

A. Provide a code data plate in accordance with Section 8.9 of the A17.1 Elevator Safety Code. Attach code data plate to the front of the controller.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Handicap Access Signs: Mark accessible elevator routes which are accessible for those with mobility disabilities.

1. Signs: Install 1 sign on each floor in locations deemed to be the most strategic and conspicuous. Mount signs 5 feet above floor (centerline of characters) at all interior and most exterior locations. Mount signs with manufacture's adhesive strips.

3.2 PREPARATION

A. Protection: Protect exposed equipment, door operators, car safeties, guide shoes, interlocks and limit switches from foreign material during course of construction.

3.3 FIELD QUALITY CONTROL

A. Acceptance Tests: In addition to the tests outlined below, perform all tests required per Part 8.10 of the ASME A17.1 Safety Code for Elevators and Escalators. All tests must be witnessed by a qualified elevator inspector (QEI).

1. Buffer Test: Test is not required for solid or spring type buffers. Test oil buffers in accordance with ASME code.
2. Normal Operation Test: Run car, in both up and down direction, by normal operation devices, with full load, stopping at each floor served, in both directions of travel.
3. Limit Switches: Test limit switches. (Car should not move).
4. Safety Tests:

    a. Perform tests on all safety equipment to determine that they function properly. Tests are to be in accordance with the best practices of the trade.
    b. Test car safety and governor in accordance with ASME Code.
    c. File off any safety marks on guide rails after tests have been completed.

5. Static Load: Perform static load test to determine any movement of elevator car away from landing.
6. Test all items of elevator to assure entire elevator system is operating properly.

B. Before safeties are reset check if:

1. Any part of the equipment has broken or is out of order.
2. Ropes are in respective sheave grooves.
3. The machine brake is applied.

4. The governor jaws, and car releasing carrier, if any, have been reset to their normal running position.
5. The car platform is out of level more than that required by the ASME A17.1 Code.

C. Perform tests in presence of Director's Representative and QEI.

1. Sign completed ASME Elevator Test Report.

3.4 TECHNICAL SEMINAR/MAINTENANCE TRAINING

A. Upon completion of the Project, arrange with the Director's Representative to provide on the job training and seminar; a complete review of the documentation, operation and maintenance of the equipment and demonstration of any special features.

B. Minimum Seminar Length: One 2-hour seminar.

3.5 CLEANING

A. Clean elevator equipment of dust, dirt, grease and foreign materials.

B. Remove articles of tools and material from shafts and machine rooms not necessary for maintenance and operation of elevator.

END OF SECTION 142000

SECTION 142711 - ELEVATOR CARS

PART 1 - GENERAL

1.1 DEFINITIONS

A. Elevator Car: The load-carrying unit including platform, frame, enclosure, and car door or gate.

1.2 RELATED ITEMS FURNISHED BY OTHERS AND INSTALLED UNDER THIS SECTION

A. Fire warden telephone jack for each elevator cab.

PART 2 - PRODUCTS

2.1 SERVICE ELEVATOR CAR FRAME AND PLATFORM

A. Service Car Frame:

1. Fabrication: Structural steel members welded, bolted, or riveted together (bottom beams, crosshead, and side stiles) to form frame. Reinforce and brace frame to relieve car enclosure of undue strain.
2. Guiding Members: Equip car frame with upper and lower guiding members to match guide rails:

    a. Roller Guides: Spring loaded rollers with 6 inch neoprene tires, adjustable stops, mounted on a metal stand. Rollers adjusted for continuous contact on 3 sides of guide rails.
    b. Solid Type: Solid shoe and stand, no springs, with replaceable composition or metal wearing gibs.

B. Service Car Platform:

1. Fabrication:

    a. Structural steel members, riveted, bolted or welded together to form platform.
    b. Steel stringers.
    c. Cold rolled steel plate 12 gage minimum thickness.
    d. Platform may be all welded steel construction.

2. Toe Guards: Equip car entrance with toe guard constructed of first grade furniture steel, 14 gage minimum.
3. Car Entrance Threshold: Extruded aluminum sill flush with finished floor, with uniform non-slip surface and smooth straight grooves.
4. Finished Floor Covering: Vinyl Composition Tile.

a. Finished floor covering and car entrance threshold shall be flush with no elevation difference.

2.2 SERVICE CAR ENCLOSURE

A. Car Top Guard: Equip rear and sides of car top with a standard railing conforming to the requirements of ASME A.17.1 Rule 2.10.2.

B. Car Panels:

1. Side and Rear Panels:

a. First grade furniture steel, 14 gage minimum.
b. Flush panel construction.
c. Reinforced for rigidity.

2. Front Return Panel:

a. First grade stainless steel, 14 gage minimum.
b. Flush panel construction.
c. Reinforced for rigidity and support of car operating panel, indicators and all other accessories.

3. Extend panels from floor to canopy soffit.
4. Bonderize all interior sheet steel surfaces of elevator car enclosure, except natural finishes, before finishing.

a. Finish interior sheet steel surfaces, except natural finishes, with 5 coat baked on enamel. Color as selected.

C. Removable Panels: Panels to be removable for replacement or repair without dismantling car.

1. Location and Type:

a. Car Side Panels and Rear Panel: Removable, hung. Extend panels 2-1/2 inches from finished floor to within 3/4 inch of car ceiling.

2. Fabrication: 3/4 inch thick exterior grade plywood, faced and edged with not less than 1/16 inch thick plastic laminate bonded to the plywood. Finish edges neat and square.

a. Plastic Laminate: Formica or Textolite.
b. Areas Between Hung Panels: Finish with baked enamel or natural metal.

3. Provisions for Operating Buttons: Cut out hinged car return panels to receive exposed operating buttons.

D. Entrance Columns:

1. Stainless steel, minimum 14 USS gage.
2. Extend columns from floor to canopy soffit.

3. Fabricate entrance columns integral with front return panels.
4. Fabricate fascia above, and between columns of same material and finish as front return panels.

E. Base:

1. Cars With Removable Panels: Recessed type base, two sides and rear of car, 2-1/2 inches in height, 14 gage stainless steel, complete with vent molding on bottom side of hung panels.

F. Handrails:

1. Material: Stainless steel.
2. Style: Surface mounted, through bolted, continuous construction with return to cab wall at cab entrance. Attach to car walls on 3 sides 32 inches above finished car floor (to top of handrail). Maintain 1-1/2 inch space between handrail and wall.
3. Size (Cross Section): 2-1/2 x 1/2 inches or 1-1/2 inch diameter.

G. Emergency Exits:

1. In Ceiling of Car: Arrange exit with cover to open outward, hinged or otherwise attached to car so that cover can only be opened from top of car. Equip exit with contact to prevent operation of car when exit is open.

H. Ventilation:

1. Ventilate car by means of canopy vent moldings and base vent perforations with two-speed fan having a capacity of not less than 400 cfm mounted on top of car enclosure.

2. Equip car with switch for both ventilating speeds and “off” position.

I. Canopy:

1. Fabrication: First grade 14 gage furniture steel, bolted or welded at all corners to represent one piece construction. Reinforce canopy to withstand distributed weight of two men. Rigidly fasten canopy to elevator car frame.
2. Type: Flat ceiling with coved canopy walls on two sides and vertical walls at front and rear. Integrate light troughs (with baked enamel finish) and vent moldings with canopy.

J. Lighting:

1. In Car: LED downlights
2. On Top and Bottom of Car: Porcelain receptacle with fitted wire lamp guard.

K. Car Operating Panel:

1. Faceplate: #304 stainless steel, not less than 12 gage with dull satin finish.
2. Backbox: Metal, not less than 16 gage sheet steel.
3. Background Color of Panel: Significant contrast from the controls and the wall in which the panel is mounted.
4. Height of Controls: Not less than 35 inches, nor more than 48 inches above the car floor.

5. Location of Controls:

    a. Cars with Center Opening Doors: Front wall of car.

6. Dispatch Buttons:

    a. May be flush or protruding stainless steel vandal resistant type.
    b. Buttons may be square or round (minimum 3/4 inch square or 3/4 inch diameter).
    c. The button or immediate area around button illuminates when pressed and extinguishes on arrival at designated floor.
    d. Identify dispatch buttons with floor identification not less than 1/2 inch high on the buttons.
    e. Identify main floor dispatch button by a raised star to the left of the button.

7. Stop Switch: Keyed Type.
8. Key Switches: Coordinate key type with Director's Representative.
9. Button Arrangement:

    a. Group together emergency stop, door open, door close and emergency alarm button at the bottom of the car operating panel.
    b. Locate main floor entry dispatch button in left-most column.

10. Identification of Controls: Identify essential controls (except dispatch buttons) with ANSI Operating Device Symbols.
11. Enumeration of Buttons and Switches:

    a. Dispatch buttons.
    b. Door open button.
    c. Door close button.
    d. Emergency stop switch.
    e. Emergency alarm button.

    f. Independent service key switch.
    g. Fire warden telephone jack.

L. Car Operating Auxiliary Panel:

1. Location: Similar position on interior of elevator as car operating panel, but on other side of door opening.
2. Construction: Identical to car operating panel, except equipped with:

    a. Dispatch buttons.
    b. Door open button.
    c. Door close button.
    d. Emergency stop switch.
    e. Emergency alarm button.

M. Protective Pads: Equip car interiors, except for doors and car operating panel, with removable heavy quilted pads.

1. Pad Hooks: Stainless steel, located at top of car panels, two sides and rear of car, and front return panels of car.

N. Car Doors:

1. Type: Flush panel, hollow metal construction, not less than 1 inch thick.
2. Fabrication: Construct door panels of minimum 14 gage cold rolled furniture steel with finish on hatchside of baked-enamel or powder coat of color as selected and car side surface of door panels finished with:

    a. Stainless steel, face and edge.

3. Reinforcement:

    a. Reinforce interior of door panels for full height of panels.
    b. Space door panel reinforcing maximum 8 inches on centers.
    c. Reinforce door panels for attachment of hangers, operators, hardware.

4. Hanger Assembly:

    a. Type: Two point suspension sheave.
    b. Sheaves: Hardened steel or composition rubber tired, not less than 3-1/4 inch diameter.
    c. Stand: Malleable iron or steel, with two 3/8 inch diameter bolts, with slotted bolt holes to allow transverse adjustment of door.
    d. Adjustment: Thin shims amounting to minimum of 3/16 inch for field adjustment between top of door, and bottom of hanger.
    e. Upthrust: Ball bearing roller or an adjustable eccentric stud, clearance setting of .005 inch from underside of track.

5. Tracks: Drawn steel, with polished surfaces for hanger surfaces. Shape upper and lower surface edges to conform to hanger sheave and upthrust bearing.
6. Door Guides: Equip each sliding door panel with two phenolic or laminated plastic door guide gibs arranged to slide in threshold sill grooves with minimum clearance. Provide structural “Z” brackets between door gibs on each door panel.

    a. Bottom door guides to be removable without removing door panels from hangers.
    b. Equip door guide support bracket with safety tabs.

O. Power for Use by Maintenance Personnel: Equip top and bottom of car with GFCI duplex convenience outlet.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Car Sling and Platform:

1. Install car platform and sling between main guide rails in shaft.

   a. Align car and sling in hoistway, adjust guides in perfect alignment.
   b. Clearance between car platform and hoistway sill nose shall not exceed 1-1/4 inches.
   c. Mount roller guides to continuously contact three sides of guide rail under all conditions and load.

B. Car Enclosure:

1. Assemble car enclosure on car platform.
2. Fasten door hanger stand to top of door panel with 3/8 inch bolts.
3. Install capacity plate above car operating panel.

3.2 FIELD QUALITY CONTROL

A. Inspection:

1. Examine car enclosure for structural soundness. Determine if car enclosure is securely fastened to car platform.
2. Examine for capacity plates.
3. Verify that top exit panels are in place.
4. Examine lighting fixtures to determine if they are securely fastened, have required protection, and provide sufficient illumination.

END OF SECTION 142711

SECTION 142816 - ELEVATOR CONTROLLER AND OPERATION

PART 1 - GENERAL

1.1 DEFINITION

A. Controller: The method of governing the starting, stopping, direction of travel, acceleration, retardation and speed of the elevator.

B. Operation: The manner of method an elevator or group of elevators automatically respond to button calls for service, and programmed traffic control.

PART 2 - PRODUCTS

2.1 MICROPROCESSOR LOGIC CONTROLLER

A. Function: Continuously analyze each elevator's changing position, condition and workload. The microprocessor shall constantly scan the system for registered hall calls and will calculate the estimated time of arrival for each car and its assigned hall call.

1. In calculating the estimated time of arrival the following factors will be used.

   a. Number of floors to travel from the current position.
   b. The time it takes to travel one floor at top speed.
   c. Calls assigned to a car.
   d. Car reversal time to respond to a call in the opposite direction of travel.

2. An internal constant shall be set, requiring a maximum time for a car to respond to a call. When a car status changes or additional hall calls are registered, the estimated time of arrival shall be recalculated and calls reassigned if necessary.

B. Type: Microprocessor based programmable controller with an Erasable Programmable Read Only Memory.

1. The printed circuit boards (modules) shall be of the type that plug into pre-wired mounting racks. No field wiring or alteration shall be necessary in order to replace defective modules.
2. Any field wiring changes required during construction shall be made only to the mounting rack connection points and not to the individual module circuitry or components. If it becomes necessary to alter individual modules, they shall be returned to the factory where such design changes are made and module design records changed so that correct replacement units are available.
3. Wiring connections for operating circuits and for external control circuits shall be brought to terminal blocks mounted in an accessible location within the controller cabinet. Terminal blocks using pierce-through serrated washers are not acceptable.

4. Safety and Motion Circuits: Electro-Mechanical pilot type relays. Safety circuits are monitored by the microprocessor for redundant protection. All outputs are individually fused.
5. Identify each device and fuse (ampere rating) on panels by name, letter, or standard symbol, in an approved indelible and legible manner. Coordinate identification markings with wiring diagrams. All logic symbols and circuitry designations shall be in accordance with ASME Standards.
6. Incorporate the use of chokes and filter network to minimize transient voltages and spikes for noise suppression. Filters shall be installed in a ventilated 14 gage steel enclosure mounted on top of each drive enclosure.

C. Motion Control:

1. SCR drive system having a dual-loop digitized feedback regulator utilized to control speed control and based primarily on car position. The velocity profile is calculated by the microprocessor based control system in effect producing extremely smooth and accurate stops. The velocity transducer will permit continuous comparison of machine speed to velocity profile and to actual car speed.

D. Position Selection: The position selection is a integrated part of the microprocessor based control system. The car position in the hoistway is digitized through a steel tape running the full length of the hoistway encoded by the car position transducer. The car position transducer detects magnetic leveling strips installed on the tape for floor reference and stopping accuracy. The microprocessor based control system will store the floor position and slowdown points in memory.

E. Performance: Adjust elevators to meet the following performance requirements:

1. Running Speed: +/- 5 percent of contract speed under all load conditions.
2. Floor to Floor Performance: 11 seconds between typical floors. Time is recorded from start of doors closing until doors are 3/4 open and car is level with floor. Under all load conditions with a 12-foot floor height.
3. Door Open Time: 1.7 - 2.7 seconds.
4. Door Close Time: 2.4 - 3.5 seconds.
5. Car Call Dwell Time: 3 seconds, adjustable to 10 seconds.
6. Door Nudging Time: 4 seconds, with a 5 second advance signal per ADA standards based on distance. Adjustable to 20 seconds.

F. Emergency Dispatching: Emergency dispatching operation is activated by loss of communication with group and loss of hall button power.

1. In the event of communication loss with the group, each car will automatically dispatch to the nearest floor or other dedicated floor.
2. With the loss of hall button power, the group internally sets the up and down hall calls at every floor. The cars are dispatched to the floor by the group assignment mechanism.

G. Interfacing: All interfacing between the central processing units and transducers, feedback loop shall be shielded cable installed in individual raceways.

H. Fault Protection System:

1. Protect against the following:

   a. Complete power circuit from failure under short circuit.
   b. Surge protection.
   c. Overload.
   d. Low voltage, phase loss, unbalanced voltage.

2.2 ADDITIONAL CONTROL FEATURES FOR EACH ELEVATOR

A. Top of Car Operating Device:

1. Function: Used for inspection and maintenance procedures.
2. Design: Up and Down direction buttons and emergency stop button in metal enclosure, equipped with a flexible type cord with strain relief device at both connections.
3. Operation:

   a. Control of the elevator is transferred to the top of car operating device by means of a transfer switch located on the car top between the car crosshead and the side of the car nearest to the hoistway entrance normally used for access to the car top.
   b. Car is operated by constant pressure on appropriate direction button, and by simultaneously pressing a safety button.
   c. Car will not operate unless both buttons are pressed.

B. Stop Switch in Elevator Pit and Overhead Sheave space:

1. Function: Removes car from service during inspection and maintenance procedures. (Car cannot be operated).
2. Design: Metal enclosure, housing red button (positively open mechanically, opening not solely dependent on springs). Permanently mark button, indicating Stop and Run positions.

C. Automatic Leveling:

1. Function: Causes elevator to make accurate stops at each landing and makes adjustments to keep elevator within specified tolerances at the landing.
2. Operation:

   a. Adjusts elevator if car is more than 1/4 inch above or below landing level when the car has come to rest at any landing, irrespective of load in car within specified capacity and irrespective of direction of travel.
   b. If car is displaced from the floor for any reason other than operation of control buttons, the car returns automatically to a position, level with the landing within 1/4 inch above or below.

D. Independent Service:

1. Function: Causes car to operate only from its car button, and becomes independent of the hall buttons.
2. Operation:

a. When key operated switch is in On position car is removed from normal style of operation.
b. All previously registered car calls are cancelled.
c. Car door and hoistway door remain open when car is at a floor, until a car button for another landing is momentarily pressed.
d. If several calls are registered after each stop, a car button must be pressed to effect door closing.
e. Previously registered hall calls shall not be cancelled, but answered when car is back in normal automatically operation.

E. Position Selection: The position selection is an integrated part of the microprocessor based control system.

1. Steel tape mounted in hoistway to include complete travel of elevator. Car top assembly with tape guides, tape sensors, and magnetic strips for stepping and leveling.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install components and integrate with controllers for required operation of elevators.

3.2 FIELD QUALITY CONTROL

A. Inspection:

1. Power Off: Inspect control equipment for dirt, dust, grease or other foreign material that would prevent proper operation.
2. Power On:

a. Run elevator up and down shaft, stopping at each floor. Check for accurate landings and smooth stops and starts under all load conditions.
b. With elevator running, inspect control equipment for excessive arcing, heating of coils, misalignment of relays, contactors or switches.
c. Inspect motor generator for smooth operation (no excessive noise or vibration).

B. Tests:

1. Individually test each component for compliance with its specified function and operation.
2. Demonstrate that elevators perform in accordance with required type of operation.

a. Test elevators step by step as specified under function, and operation, in PART 2.

END OF SECTION 142816

SECTION 142821 - ELEVATOR HOISTWAY ENTRANCES

PART 1 - GENERAL

1.1 RELATED ITEMS PROVIDED BY OTHERS

A. Structural steel sill support at each opening.

B. Grout under saddles.

C. Building masonry into door frames.

1.2 DEFINITIONS

A. Elevator Hoistway Entrances: The protective assembly which closes the hoistway enclosure openings normally used for loading and unloading.

1. Assembly includes frame, doors, saddle, header, trim, struts, hanger supports, fascias, tracks, toe guards, dust covers, bumpers and other equipment required for a complete installation.

1.3 QUALITY ASSURANCE

A. Fire-Rated Assemblies: A fire-resistance classification is required for hoistway doors and frames. Provide fire-rated units that have been investigated and tested as fire door assemblies, complete with the type of fire door hardware to be used in the Work. Identify each door and frame with metal UL labels, indicating the applicable fire rating of the door. Rivet labels on the hinge edge of door and jamb rabbet.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Packing and Shipping: Apply protective coverings at factory, to jambs, heads, door panels, which have grained or enameled finishes.

PART 2 - PRODUCTS

2.1 SERVICE ELEVATOR ENTRANCES

A. Frames:

1. Fabrication: #14 USS gage, stretcher leveled, furniture steel:

a. Bolt or weld frames and head to form complete one piece unit.

1) Welds: Continuous, full length of joints.

b. Sound deaden frames and head.
c. Rabbet strike jamb side of frame.
d. Form door frame anchors of minimum 18 gage metal, welded 2 feet on center to frame, minimum 8 inches long, terminating with 1 inch bent end; width not to exceed width of wall, or come within 3/4 inch of finished face.

1) Anchor Type: Adjustable T.

2. Bumpers: Equip frames with rubber bumpers.
3. Floor Identification: Locate characters on each side of frame, 5 feet from the floor to the centerline of the characters:

a. Characters: 2 inches high, raised 1/32 inch Sans-Serif Gothic (Helvetica Semi-Bold).
b. Color: Contrast with the color of the frame.

4. Finish: Face and edge doors with stainless steel.

B. Sill:

1. Material: Extruded aluminum one piece sill, minimum 3/4 inch thick.
2. Nosing: Approximately one inch deep, full length of sill to receive fascia plate.
3. Finish: Uniform surface.
4. Door Grooves: Smooth and straight to accommodate door gibs.

C. Struts:

1. Material: Steel angles, extending from top of sill to floor beam above at each side of opening.
2. Size: Minimum 3 x 3 x 1/4 inches.
3. Strut Clip Angles or Brackets: Not less than thickness of supported strut.

D. Header or Hanger Support:

1. Size: Minimum 3/16 inch thick.
2. Length: Sufficient for bolting to struts.
3. Shape: Bent sections to form hanger pockets and track support.

E. Toe Guards, Fascias and Dust Covers:

1. Material: 14 gage sheet steel.
2. Width: As required to extend minimum of 5 inches beyond both jambs of elevator entrance.

F. Hanger Cover: Sheet steel, constructed to permit convenient access to service hangers:

1. Access sections not to swing open into elevator hoistway.
2. Cover full travel of doors.

G. Doors:

1. Type of Construction: Flush panel hollow metal.
2. Door Panel Fabrication: Not less than 16 gage furniture steel reinforced by formed steel sections running vertical for full height of door panel, spaced not more than 8 inches apart, designed to hold front and rear plates together. Top and bottom of door closed with formed "U" channels, not less than 16 gage steel welded to door panels.
3. Thickness: Minimum 1-1/4 inches.
4. Reinforcement:

    a. Reinforce head of door with steel plate not less than 3/8 inches thick, welded to door panels.
    b. Reinforce interior of door panel with steel plate for attachment of door closures or other operating devices.

5. Guards:

    a. Equip doors with sight guards on leading edge of single slide and fast panel of two speed doors and on each meeting edge of center opening doors.
    b. Form sight guards of same material as door panel and finish to match.

6. Fixed Door Panels and Transoms: Material and construction same as sliding doors.
7. Door Gibs: Equip each sliding door panel with two removable phenolic or laminated plastic door gibs arranged to slide in sill grooves and permit easy replacement without removing door panels from hangers. Equip gibs with safety tabs. Provide Z bracket between gibs on each door panel.
8. Rubber Bumpers:

    a. Equip trailing edge of door panels with rubber bumpers at top and bottom of door to stop doors at their limit of travel in the opening direction.
    b. Rubber Astragal: Equip meeting edge of center opening doors with continuous rubber astragal for full height of doors. Arrange astragal for easy replacement.

9. Finish: Face and edge doors with stainless steel.

H. Hanger Assembly:

1. Type: Two point suspension sheave.
2. Sheaves: Hardened steel or composition, not less than 3 inches in diameter, with fully enclosed ball bearings, sealed to retain grease lubrication.
3. Hanger Stands: Mount sheaves on malleable iron or steel stand fastened directly to door with two 3/8 inch diameter bolts. Arrange hanger to take upward thrust against ball bearing roller on an adjustable eccentric stud set at .005 inch clearance from underside to track.
4. Provisions for Field Adjustment:

    a. Thin shims, amounting to not less than 3/16 inch, for adjustment between bottom of hanger and top of door.
    b. Slot bolt holes in hanger stand, to allow transverse adjustment of the door.

I. Tracks:

1. Material and Construction: Drawn steel with polished surfaces for door hanger sheaves. Shape upper and lower surfaces to conform hanger sheave and upthrust roller.
2. Attachment: Bolt tracks in minimum of three places to header.
3. Fire Protection: Fill hoistway doors with sheet insulating material to limit transmission of heat in case of fire, and reduce possible heat loss from within the hoistway.

J. Safety Edge:

1. Equip lower edge of upper door frame with fire resistive, safety edge with non-shearing, non-crushing properties with respect to foreign object upon which the two halves of the door may close, provided thickness of foreign object does not exceed 3/4 inches.
2. Equip lower edge of upper panel frame near each jamb, with rubber bumpers for spacing between rigid frame members to facilitate safety edge action.
3. Arrange safety edge and bumpers for easy replacement with screw type fastenings or equivalent.

K. Truckable Sills:

1. Material: Steel of sufficient size and adequate strength to withstand loads imposed by specified class of elevator loading.
2. Width: Extend sill full width of door opening and, when supported by stops attached to door guide rails, extend at least 6 inches beyond opening at each side.

    a. Secure truckable sill to upper edge of lower door panel.

3. Adjustable Supports: Support truckable sills level with elevator car platform by means of non-frictional adjustable stops resting on floor sill or attached to door guide rails.

L. Saddles:

1. Material: Checkered steel plate not less than 1/4 inch thick and 3 x 4 x 3/8 inches steel angle or steel channel.

    a. Width of saddles equal to width of the channel buck.

2. Attachment: Fasten saddle to channel buck with clip angles.

M. Guide Shoes:

1. Equip each door frame with four steel or malleable iron milled grooved shoes having proper depth and vertical side contact of not less than 2-1/2 inches on each side of rail.

    a. Shoes may be fixed or adjustable.

        1) Fixed shoes not less than 5 inches long.
        2) Adjustable shoes not less than 3 inches long.

2. Attach shoes to structural members which are either an integral part of the vertical door frame member or are rigidly secured together.

N. Guide Rails:

1. Material: Continuous steel structural shapes suitable for each section of door.
2. Attachment: Fasten guide rails to door frame and hoistway construction.

O. Sheaves, Chains and Rods (For installation of doors at each elevator hoistway entrance):

1. Rods: At least 1/2 inches square or 5/8 inches in diameter with adjustable turnbuckles or the rods may be adjustable.
2. Sheaves: Malleable iron set in a malleable metal housing attached to guide rails; suitable in size for chains to run over.
3. Sheave Bearings: Roller or double race ball bearings.

2.2 INTERLOCKS FOR USE WITH DOOR OPERATORS

A. Type: Electro-mechanical unit type.

B. Interlock Contacts:

1. Positively opened by locking member.
2. Maintained in open position by gravity compression springs or both, or by the unlocking device.

C. Operation:

1. Interlock locks door in closed position before elevator starts in response to car dispatch buttons or registration of a corridor push button call.
2. Interlock holds door in locked position by means of gravity, compression springs or linkage.
3. Interlocks used with multi-section doors locks all sections of the door.

D. Unlocking Device: Equip each landing with an unlocking device designed to release interlocks when elevator is outside of the unlocking zone, operable by the use of a special key.

2.3 HOISTWAY ACCESS SWITCH

A. Type: Continuous pressure spring return cylinder type lock with key removable only in the “off” position.

B. Location: Top and bottom landings, with access switch located adjacent to hoistway entrance in wall.

C. Operation: Access switch permits and maintains movement of the elevator with the hoistway and car door at access landing unlocked or not in the closed position.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install door frames, sills, tracks, struts, hanger supports or headers, hanger covers, and toe guards, prior to construction of rough walls.

B. Install door panels after frames are built into surrounding walls.

C. Secure all supporting members rigidly to the structural parts of the building. Plumb and level all parts.

D. Set sills level with floor. Set sill inner edges plumb so that no variation exists in distance between edge of all sills and edge of car platform. Erect hanger supports in alignment with edges of sills, sill grooves and head jambs to insure smooth operation of the doors.

E. Extend toe guard (at lowest landing) at least 6 inches down from sill nose and return to shaft wall at a 30 degree angle.

F. Extend fascias (at all intermediate landings) from sill nose to head of door frame below.

G. Return dust cover (above head of top most landing) to shaft wall at a 30 degree angle.

H. Adjust hangers.

I. Lubricate all working parts.

3.2 FIELD QUALITY CONTROL

A. Maintain the protective coverings until removal as directed.

END OF SECTION 142821

ABBREVIATIONS:

A.C.	ACOUSTICAL CEILING
ACT	ACOUSTICAL CEILING TILE
A.D.A.	AMERICANS WITH DISABILITIES ACT
A.F.F.	ABOVE FINISHED FLOOR
ALUM.	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
BOT.	BOTTOM
C.B.	COVE BASE
C.J.	CONTROL JOINT
CLG.	CEILING
CT	CERAMIC TILE
C.M.U.	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONT.	CONTINUOUS
CORR.	CORRIDOR
DEPT.	DEPARTMENT
DET.	DETAIL
DIA.	DIAMETER
DN.	DOWN
DWG.	DRAWING
E.I.F.S.	EXTERIOR INSULATED FINISH SYSTEM
ELEC.	ELECTRIC or ELECTRICAL
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
F/	FACE OF
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
FIN.	FINISH (ED)
FLR.	FLOOR
FT.	FOOT or FEET
GA	GAUGE
GALV.	GALVANIZED
GWB	GYPSUM WALLBOARD
H.M.	HOLLOW METAL
HORZ.	HORIZONTAL
HR.	HOUR
IBC	INTERNATIONAL BUILDING CODE
IECC	INTERNATIONAL ENERGY CONSERVATION CODE
IEBC	INTERNATIONAL EXISTING BUILDING CODE
INSUL.	INSULATED or INSULATION
INT.	INTERIOR
MIRR.	MIRROR
MAX.	MAXIMUM
MECH.	MECHANICAL
MEP.	MECHANICAL, ELECTRICAL, PLUMBING
MIN.	MINIMUM
MTL	METAL
N.F.P.A.	NATIONAL FIRE PROTECTION ASSOCIATION
NO.	NUMBER
N.T.S.	NOT TO SCALE
N.Y.S.	NEW YORK STATE
O.C.	ON CENTER
O.H.	OVERHEAD
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P.T.	PRESSURE TREATED
P.V.C.	POLYVINYLCHLORIDE
R.D.	ROOF DRAIN
RM.	ROOM
R.O.	ROUGH OPENING
SCHED.	SCHEDULE
S.F.	SQUARE FOOT
SIM.	SIMILAR
STOR.	STORAGE
T. or T/	TOP
THK.	THICK (NESS)
TYP.	TYPICAL
U.L.	UNDERWRITERS LABORATORIES INC
VCB	VINYL COVE BASE
VERT.	VERTICAL
VEST.	VESTIBULE

GENERAL NOTES:

1. ALL MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
2. DIMENSIONS AND DETAILS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHALL BE FIELD VERIFIED BEFORE ORDERING MATERIALS AND PREFABRICATED ITEMS.
3. PROVIDE WORKMANSHIP TO THE EXTENT THAT SATISFIES THE DIRECTOR'S REPRESENTATIVE, BUT NOT LESS THAN REQUIRED BY THE SPECIFICATIONS.
4. COORDINATE THE SELECTION OF ALL COMPONENT COLORS, MODEL NUMBERS, SIZES, ETC. OF ALL BUILDING ELEMENTS WITH THE DIRECTOR'S REPRESENTATIVE BEFORE ORDERING MATERIALS.
5. ALL WORKMANSHIP AND MATERIALS, UNLESS CARRYING A GUARANTEE BY A MANUFACTURER FOR A LONGER PERIOD OF TIME, SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL PAYMENT.
6. PROVIDE THE DIRECTOR'S REPRESENTATIVE A COMPLETE MAINTENANCE & OPERATIONAL INSTRUCTIONS IN BOTH WRITTEN & VERBAL FORM FOR ALL PROVIDED ITEMS.
7. REVIEW ALL CONSTRUCTION DOCUMENTS AND NOTIFY THE DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES IN THE DOCUMENTS AND IN FIELD CONDITIONS SHOWN ON THE DRAWINGS IN A TIMELY MANNER.
8. PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL, MOST UP TO DATE, FEDERAL AND STATE CODES, RULES, REGULATIONS AND ORDINANCES INCLUDING, BUT NOT LIMITED TO, 2020 UNIFORM CODE, AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND THE NEW YORK STATE LABOR DEPARTMENT, WHETHER OR NOT INFORMATION AND/OR WORK IS SPECIFICALLY SHOWN ON THE DRAWINGS.
9. MAINTAIN A CLEAN WORK SITE AT ALL TIMES. THIS INCLUDES THE REMOVAL OF ALL TRASH AND CONSTRUCTION DEBRIS AND PROVIDING FOR LEGAL DISPOSAL OF MATERIAL.
10. ALL WORK SHALL BE PERFORMED IN THE BEST AND MOST PROFESSIONAL MANNER BY MECHANICS SKILLED IN THEIR RESPECTIVE TRADES.
11. COORDINATE THE WORK INDICATED IN THESE CONSTRUCTION DOCUMENTS WITH THE DIRECTOR'S REPRESENTATIVE AND ANY ON GOING CONSTRUCTION.
12. THIS FACILITY IS OCCUPIED. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL METHODS AND MEANS OF CONSTRUCTION AND SHALL BE RESPONSIBLE TO THE DIRECTOR'S REPRESENTATIVE FOR PROVIDING A SAFE WORK ENVIRONMENT DURING THE CONSTRUCTION PERIOD. EVERY EFFORT SHALL BE MADE TO PROTECT THE OCCUPANTS, VISITORS AND STAFF FROM THE HAZARDS OF CONSTRUCTION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE ERECTION OF PROTECTION BARRIERS AND SIGNAGE. IN ADDITION, EXISTING EXITS, SAFE PUBLIC ACCESS AND EGRESS MUST BE MAINTAINED AT ALL TIMES.
13. ANY EXISTING FIRE / SMOKE RATED PARTITIONS THAT ARE MODIFIED IN THE WORK INVOLVED IN THIS CONTRACT SHALL MAINTAIN FIRE / SMOKE RATING OF THE DESIGNATED PARTITION AT ALL TIMES.
14. THE CONTRACTOR SHALL COORDINATE ALL WORK ASSOCIATED WITH THIS PROJECT WITH THE SUB-CONTRACTORS, TO PROVIDE A COMPLETE AND FINISHED PROJECT.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING AND CORRECTING THEIR OWN WORKMANSHIP TO THE EXTENT THAT SATISFIES THE DIRECTOR'S REPRESENTATIVE.
16. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PREVENT THE SPREAD OF DUST, SMOKE, FUMES, ETC., THROUGHOUT THE BUILDING AND NEIGHBORHOOD.
17. ALL EXISTING EXTERIOR AND INTERIOR UTILITIES THAT ARE AFFECTED, IMPACTED OR IN THE WAY OF THE WORK IN THESE DOCUMENTS SHALL BE MODIFIED AT A MINIMUM ONLY AS MUCH AS REQUIRED TO ALLOW WORK TO BE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR SUPPORTING ANY MODIFIED UTILITIES DUE TO THIS WORK.
18. REMOVE DEBRIS FROM AREA AS IT IS PRODUCED. DO NOT ALLOW MATERIALS TO ACCUMULATE ON-SITE. DO NOT BURN WASTE MATERIALS ON-SITE. TRANSPORT WASTE MATERIALS OFF DIRECTOR'S REPRESENTATIVE'S PROPERTY AND LEGALLY DISPOSE OF MATERIAL.
19. COORDINATE STAGING AREA AND DUMPSTER LOCATION WITH DIRECTOR'S REPRESENTATIVE PRIOR TO START OF WORK.
20. BUILDING SHALL BE LEFT IN A WEATHER TIGHT CONDITION AT THE END OF EACH DAY.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING OR ADJUSTING INTERIOR ITEMS, THAT INCLUDES BUT IS NOT LIMITED TO FURNITURE, CHAIRS, AND BOXES, WHERE WORK IS REQUIRED AND MOVING OR ADJUSTING ITEMS BACK WHEN WORK IS DONE.
22. INSTALL FIRE AND SMOKE RATED MATERIALS INCLUDING BUT NOT LIMITED TO: JOINT FIRESTOPPING, PENETRATION FIRESTOPPING, DOORS, WINDOWS, FRAMES AND WALLS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, NFPA, AND UL REQUIREMENTS. NOTIFY THE DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS.

STRUCTURAL DESIGN CRITERIA

APPLICABLE CODES	ABBREVIATION
• 2020 BUILDING CODE OF NEW YORK STATE	BCNYS
• ASCE 7-16	ASCE

SECTION	DESCRIPTION	REQUIRED
1606	**FLOOR DEAD LOADS**	
	BASEMENT	
	6" CONCRETE SLAB	75.0 PSF
	FIRST AND SECOND FLOORS	
	CONCRETE SLAB ON METAL DECK	50.7 PSF
	MECHANICAL/ELECTRICAL/PLUMBING ALLOWANCE	5.0 PSF
1606	**ROOF DEAD LOADS**	
	ROOFING	2.5 PSF
	13.5" MAXIMUM TAPERED INSULATION	20.25 PSF
	1 1/2" METAL DECK	2.5 PSF
	MECHANICAL/ELECTRICAL/PLUMBING ALLOWANCE	5.0 PSF
1607	**FLOOR LIVE LOADS**	
	STAIRS AND EXIT WAYS	100.0 PSF
1607	**ROOF LIVE LOAD**	
	UNIFORM	20.0 PSF
1608	**ROOF SNOW LOAD DATA**	
	GROUND SNOW LOAD, p_g	25.0 PSF
	FLAT-ROOF SNOW LOAD, p_f	19.3 PSF
	SNOW EXPOSURE FACTOR, C_e	1.0
	SNOW LOAD IMPORTANCE FACTOR, I_s	1.10
	THERMAL FACTOR, C_t	1.0
	SLOPE FACTOR, C_s	1.0
	DRIFT SURCHARGE LOAD, p_d	49.3 PSF
	WIDTH OF SNOW DRIFT, w	12.0 FT
1609	**WIND DESIGN DATA**	
	BASIC DESIGN WIND SPEED, V	127.0 MPH
	ALLOWABLE STRESS DESIGN WIND SPEED, V_{asd}	98.4 MPH
	RISK CATEGORY	III
	WIND EXPOSURE	D
	APPLICABLE INTERNAL PRESSURE COEFFICIENT	0.18
	VELOCITY PRESSURE	39.3 PSF
	DESIGN WIND PRESSURES COMPONENTS AND CLADDING PER ASCE 7-16 FIGURE 30.3-1	
	ZONE DIMENSION, a	3 FT
	ROOF (A_e = 10 SF):	
	ZONE 1', FIELD	-42.5 PSF 18.9 PSF
	ZONE 1, FIELD	-73.9 PSF 18.9 PSF
	ZONE 2, EDGE	-97.5 PSF 18.9 PSF
	ZONE 3, CORNER	-132.9 PSF 18.9 PSF
	WALLS (A_e = 10 SF):	
	ZONE 4, FIELD	-50.3 PSF 46.4 PSF
	ZONE 5, CORNER	-62.1 PSF 46.4 PSF
1610	**GEOTECHNICAL INFORMATION**	
	ALLOWABLE BEARING PRESSURE	3500 PSF
1611	**ROOF RAIN LOADS**	
	RAIN INTENSITY	2.88 IN/HR
1612	**FLOOD DESIGN DATA**	
	NOT APPLICABLE	
1613	**EARTHQUAKE DESIGN DATA**	
	SEISMIC IMPORTANCE FACTOR, I_e	1.25
	MAPPED SPECTRAL RESPONSE ACCELERATION FACTORS:	
	S_S	0.286 g
	S_1	0.060 g
	SITE CLASS	D
	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:	
	S_{DS}	0.299 g
	S_{D1}	0.095 g
	SEISMIC DESIGN CATEGORY	B
	BASIC SEISMIC FORCE-RESISTING SYSTEM	ORDINARY REINFORCED MASONRY SHEAR WALLS
	DESIGN BASE SHEAR	60.0 KIPS
	SEISMIC RESPONSE COEFFICIENT, C_S	0.187
	RESPONSE MODIFICATION COEFFICIENT, R	2.0
	ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE PROCEDURE

CODE SUMMARY

State Armory – Repair Storm Drainage, Provide Foundation Waterproofing and Elevators

COMPLIANCE STATEMENT

TO THE BEST OF THE KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT OF THE LICENSED PROFESSIONAL SEALING THESE PLANS AND SPECIFICATIONS, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE FOLLOWING CODES AND STANDARDS.

APPLICABLE CODES	ABBREVIATED AS:
2020 BUILDING CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)	BCNYS
2020 FIRE CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)	FCNYS
2020 EXISTING BUILDING CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)	EBCNYS
2020 ENERGY CONSERVATION CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)	ECCNYS
2020 PLUMBING CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)	PCNYS
2020 MECHANICAL CODE OF NEW YORK STATE (PUBLICATION DATE NOVEMBER 2019)	MCNYS

THE CODES LISTED ABOVE ARE BASED ON THE FOLLOWING DOCUMENTS PUBLISHED BY THE INTERNATIONAL CODE COUNCIL AND ASHRAE INTERNATIONAL:
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL EXISTING BUILDING CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2018 EDITION OF THE ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS (ASHRAE 90.1-2016)

APPLICABLE STANDARDS
2009 ICC A117.1

PROJECT TYPE
EXISTING BUILDING CONSTRUCTION

PROJECT DESCRIPTION
The project consists of repairs to the existing storm drainage system, removal and replacement of existing soils to install waterproofing along the vertical face of specified existing masonry foundation walls, and construction of a new accessible emergency egress stair and elevator tower addition on the South face of the existing building. Two existing windows, and a portion of the existing exterior masonry wall at the basement level on the South face of the building will be removed in order to provide a rough opening for new fire-rated doors to be installed, giving access to the new addition. The new addition will include an accessible emergency egress stair system, accessible elevator and hoistway, as well as associated lobbies and areas of refuge; all serving the basement, first and second floor levels of the existing building.

BUILDING CODE SUMMARY

CHAPTER	DESCRIPTION	REQUIRED	PROVIDED	REFERENCE
3	**USE AND OCCUPANCY CLASSIFICATION**			
	MIXED OCCUPANCY (A-3, B & S-2)	EXISTING GROUP A-3, B & S-2	UNCHANGED	BCNYS 508
4	**SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY**			
	ELEVATION OF IGNITION SOURCES	N/A, UNCHANGED		BCNYS 406.2.9
5	**GENERAL BUILDING HEIGHTS AND AREAS**			
	ALLOWABLE BUILDING HEIGHT	55'-0" (BASED ON TYPE IIB, NS CONSTRUCTION)	27'-0" (T/ Hoistway Parapet)	BCNYS TABLE 504.3
	ALLOWABLE NUMBER OF STORIES	A-3, 2 Stories / B, 3 Stories / S-2, 3 Stories	2 Stories (Above Grade) 1 Story (Below Grade)	BCNYS TABLE 504.4
	ALLOWABLE AREA FACTOR	A-3, 9,500 SF B, 23,000 SF and S-2, 26,000 SF (BASED ON TYPE IIB CONSTR., NON-SPRINKLERED)	Unchanged	BCNYS TABLE 506.2
	ALLOWABLE AREA DETERMINATION	Road Frontage Required, 39,560 SF Allowable (Based on Primary Building Occupancy: B)	27,079 SF (Existing Building + Addition)	BCNYS 506.3
	NONSEPARATED OCCUPANCIES	Occupancies not separated - Unchanged	2hr. Fire Separation Provided At New Addition	BCNYS 508.3
	INCIDENTAL USES	N/A - Unchanged	N/A - Unchanged	BCNYS TABLE 509
6	**CONSTRUCTION TYPE**			
	CONSTRUCTION CLASSIFICATION	TYPE IIB, NS (Existing Building)	Type IIB, NS (Addition)	BCNYS 602.5
	FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS			BCNYS TABLE 601
	PRIMARY STRUCTURAL FRAME	0	0	
	BEARING WALL (EXTERIOR)	1hr. (Required by BCNYS Section 1023.2)	2 hr.	
	BEARING WALL (INTERIOR)	0	2 hr.	
	NONBEARING WALLS (EXTERIOR)	1hr. (Required by BCNYS Section 1023.2)	2 hr.	
	NONBEARING WALLS (INTERIOR)	0	2 hr.	
	FLOOR CONSTRUCTION	0	0	
	ROOF CONSTRUCTION	0	0	
	FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALL 10' < X < 30'	0 hr. (Fire Separation Distance X ≥ 30 feet)	2 hr.	BCNYS TABLE 602
	COMBUSTIBLE WOOD IN TYPES I AND II	Allowable for Construction Type IIB	Window Trim and Misc. Blocking	BCNYS 603.1
7	**FIRE AND SMOKE PROTECTION FEATURES**			
	FIRE PARTITIONS	2 hr. Separation Between Existing Building and Addition (Required by BCNYS Section 3006.2)	2 hr. Fire Barrier Wall	BCNYS 708
	SMOKE BARRIERS	Walls Enclosing Elevator Lobbies and Areas of Refuge	2 hr. Fire Rated Smoke Barrier Between Existing Building and Addition	BCNYS 709
8	**INTERIOR FINISHES**			
	INTERIOR WALL AND CEILING FINISH REQUIREMENTS	Class A everywhere except enclosed Rooms to be C	Class A	BCNYS TABLE 803.13
	INTERIOR FLOOR FINISH	Class II (Minimum)	Class II	BCNYS 804.4.2
9	**FIRE PROTECTION SYSTEMS**			
	AUTOMATIC SPRINKLER SYSTEM	Not Required		BCNYS 903
	ALTERNATIVE FIRE EXTINGUISHING SYSTEM	Not Required		BCNYS 904
	PORTABLE FIRE EXTINGUISHERS	Required On Each Floor of Group A, B and S Occupancies	Provided at Basement, First Floor and Second Floor Levels	BCNYS 906
	FIRE ALARM AND DETECTION SYSTEM	Required	Provided	BCNYS 907
	SMOKE DETECTION SYSTEM	Required	Provided	BCNYS 907.2.10.7
	CARBON MONOXIDE DETECTION	Not Required		BCNYS 915.3
10	**MEANS OF EGRESS**			
	OCCUPANT LOAD CALCULATION	Existing Building Total = 1,230 Persons	Unchanged	BCNYS TABLE 1004.5
	MEANS OF EGRESS SIZING			
	STAIRWAYS	Basement: 33.9" (Min.) / Second Floor: 30.9" (Min.)	48" Clear Width	BCNYS 1005.3.1
	OTHER EGRESS COMPONENTS (Doors)	Basement: 22.6" (Min.) First Floor: 202.8" (Min.) Second Floor: 20.6" (Min.)	Basement: 36"+ First Floor: 204" Second Floor: 36"+	BCNYS 1005.3.2
	MINIMUM NUMBER OF EXITS	Basement & Second Floor: 2 / First Floor: 3	Basement & Second Floor: 2 First Floor: 4	BCNYS 1006.2
	ACCESSIBLE MEANS OF EGRESS	2 Per Floor	2 Per Floor	BCNYS 1009.1
	EXIT ACCESS TRAVEL DISTANCE	200'-0" (Max.)		BCNYS 1017.2
	CORRIDOR FIRE-RESISTANCE RATING	0 hr.	Unchanged	BCNYS TABLE 1020.1
	DEAD END CORRIDOR	N/A	N/A	BCNYS 1020.4
11	**ACCESSIBILITY**			
	ASSEMBLY SPACES	N/A	N/A	BCNYS 1101.2
	SITE ARRIVAL POINT	Required	Provided	BCNYS 1104.1
	EMPLOYEE WORK AREA	N/A	N/A	BCNYS 1104.3.1
	PUBLIC ENTRANCE	Required	Provided	BCNYS 1105.1
	PARKING	Required	Provided	BCNYS 1106
	TOILET AND BATHING FACILITIES	N/A	N/A	BCNYS 1109.2
	SIGNAGE	Required	Provided	BCNYS 1111
	DRINKING FOUNTAINS	N/A	N/A	BCNYS 1109.5
12	**INTERIOR ENVIRONMENT**			
	VENTILATION	Required	Provided	BCNYS 1202
	TEMPERATURE CONTROL	N/A	N/A	BCNYS1203
	LIGHTING -NATURAL	>8%	Provided	BCNYS 1204.2
	ARTIFICIAL	10 FOOT CANDLES	Provided	BCNYS 1204.3
	CEILING HEIGHTS	7'-6" MIN.	9'-11"	BCNYS 1207.2
13	**ENERGY EFFICIENCY**			
	LOW ENERGY BUILDINGS	N/A	N/A	BCNYS 1301/ECCNYS

ENERGY CODE SUMMARY

CHAPTER	DESCRIPTION	REQUIRED	PROVIDED	REFERENCE
3	**GENERAL REQUIREMENTS**			
	PROJECT CLIMATE ZONE, QUEENS COUNTY	4A		ECCNYS TABLE C301.1
4	**COMMERCIAL ENERGY EFFICIENCY (PRESCRIPTIVE COMPLIANCE PATH)**			
	BUILDING ENVELOPE REQUIREMENTS	Roof: R-30ci Walls Above Grade: R-9.5ci Walls below Grade: R-7.5ci	Roof: R-30ci Walls A.G.: R-10ci Walls B.G.: R-10ci	ECCNYS/UCS 402.1.3
	BUILDING FENESTRATION			ECCNYS/UCS 402.4
	FIXED FENESTRATION U-FACTOR	Window: U-0.38	Window:	
	OPERABLE FENESTRATION U-FACTOR	N/A	N/A	
	ENTRANCE DOORS U FACTOR	Door: U-0.77	Door:	
	SOLAR HEAT GAIN COEFFICIENT	N/A	N/A	ECCNYS/UCS 402.4
	BUILDING MECHANICAL SYSTEMS	See Mechanical Drawings For More Information		ECCNYS/UCS C403
	ELECTRICAL POWER AND LIGHTING SYSTEMS	See Electrical Drawings For More Information		ECCNYS/UCS C405
	SYSTEM COMMISSIONING	See Mechanical Drawings For More Information		ECCNYS/UCS C408

COMPLIANCE STATEMENT

SECTION C103.2.2 WRITTEN STATEMENT
TO THE BEST OF THE KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT OF THE LICENSED PROFESSIONAL SEALING THESE PLANS AND SPECIFICATIONS, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE.

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DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:
CONSTRUCTION

TITLE:
REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:
STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:
DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
ABBREVIATIONS, GENERAL NOTES, DESIGN CRITERIA, AND CODE COMPLIANCE

DRAWING NUMBER:
G-002

SHEET 2 OF 62

LIFE SAFETY NOTES:

1. EXISTING, ACTIVE, MEANS OF EGRESS WILL BE MAINTAINED IN OPERATION AT ALL TIMES DURING CONSTRUCTION.
2. PIPES, CONDUITS, DUCTS ETC. PENETRATING THROUGH FLOORS, ROOFS AND RATED WALL ASSEMBLIES (FIRE AND SMOKE) SHALL BE SEALED WITH APPROVED FIRE RESISTIVE RATED SEALANT SUITABLE FOR THE APPROPRIATE HORIZONTAL OR VERTICAL APPLICATIONS.
3. COORDINATE WITH ALL FIRE ALARM, FIRE PROTECTION, ACCESSIBILITY AND SIGNAGE PLANS FOR LOCATIONS AND SIZES OF ALL BUT NOT LIMITED TO: SIGNS, EMERGENCY LIGHTING, ANUNCIATORS, 2-WAY COMMUNICATION SYSTEM, ETC., NOTIFY THE COR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS / FIXTURES.
4. PROVIDE PORTABLE FIRE EXTINGUISHERS AT ALL TIMES DURING CONSTRUCTION IN ACCORDANCE WITH NFPA STANDARDS.
5. INSTALL FIRE AND SMOKE RATED MATERIALS INCLUDING BUT NOT LIMITED TO: JOINT FIRESTOPPING, PENETRATION FIRESTOPPING, DOORS, WINDOWS, FRAMES AND WALLS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS, NFPA, AND UL REQUIREMENTS. NOTIFY THE DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS.

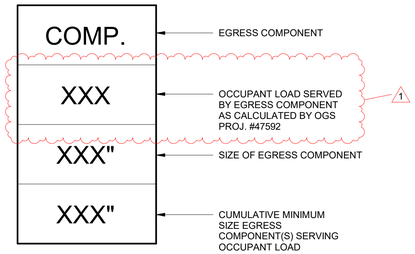
EXISTING OCCUPANT LOAD (CALCULATIONS PROVIDED AS PART OF OGS PROJ. #47592)

FLOOR	OCCUPANCY / USE	ROOMS	AREA	GROSS / NET	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
BASEMENT	BUSINESS (B)	TOILETS, FITNESS, JANITOR, MAINTENANCE, CORRIDORS	4,692 SQFT	GROSS	150	32 PERSONS
BASEMENT	BUSINESS (B)	LOCKER ROOMS	3,200 SQFT	GROSS	50	64 PERSONS
BASEMENT	BUSINESS (B)	ACCESSORY UTILITY & STORAGE	4,970 SQFT	GROSS	300	17 PERSONS
					BASEMENT TOTAL:	**113 PERSONS**
FIRST FLOOR	BUSINESS (B)	OFFICES, TOILETS, CORRIDORS	8,448 SQFT	GROSS	150	57 PERSONS
FIRST FLOOR	ASSEMBLY (A3)	DRILL HALL	4,826 SQFT	NET	5	966 PERSONS
					FIRST FLOOR TOTAL:	**1,023 PERSONS**
SECOND FLOOR	BUSINESS (B)	OFFICES, TOILETS, CORRIDORS	3,572 SQFT	GROSS	150	24 PERSONS
SECOND FLOOR	ASSEMBLY (A3)	CONFERENCE ROOM	1,184 SQFT	NET	15	79 PERSONS
					SECOND FLOOR TOTAL:	**103 PERSONS**
					BUILDING TOTAL:	**1,239 PERSONS**

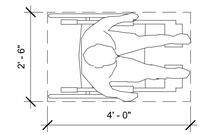
LIFE SAFETY SYMBOLS LEGEND:

NOTE: FOR ALL APPLICABLE BUILDING CODE AND FIRE-RESISTANCE RATING INFORMATION, SEE THE CODE COMPLIANCE SUMMARY ON A001 AS WELL AS FIRE ALARM / FIRE PROTECTION DRAWINGS FOR MORE INFORMATION.

- 2 HR. FIRE / SMOKE RATED WALL ASSEMBLY. SEE WALL TYPES ON A001 FOR MORE INFORMATION
- DOOR / XXX / XXX" / XXX" — EGRESS COMPONENT CALLOUT, SEE DET. 4/LS101 FOR MORE INFORMATION
- EGRESS TRAVEL PATH
- AREA OF REFUGE
- XXX — EGRESS TRAVEL DIRECTION WITH ASSOCIATED OCCUPANCY LOAD
- X'-X" — EGRESS TRAVEL PATH DISTANCE
- ILLUMINATED EMERGENCY EXIT SIGN
- WALL-MOUNTED EMERGENCY LIGHT PACK
- F.E. — WALL-MOUNTED FIRE EXTINGUISHER, SEE DETAIL 6/LS-101 FOR MOUNTING HEIGHT



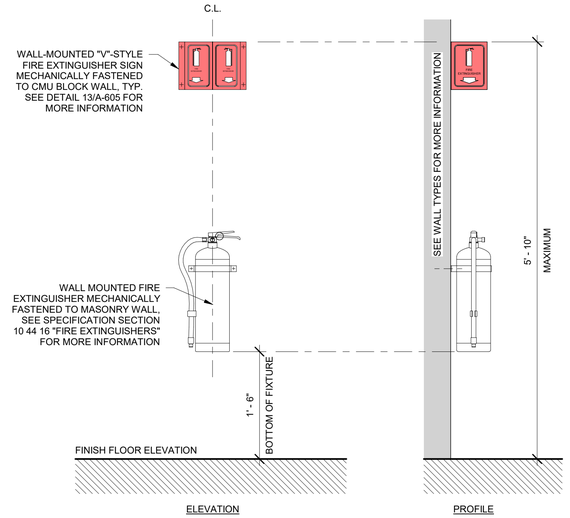
4 **EGRESS COMPONENT CALLOUT DIAGRAM**
SCALE: 1" = 1'-0"



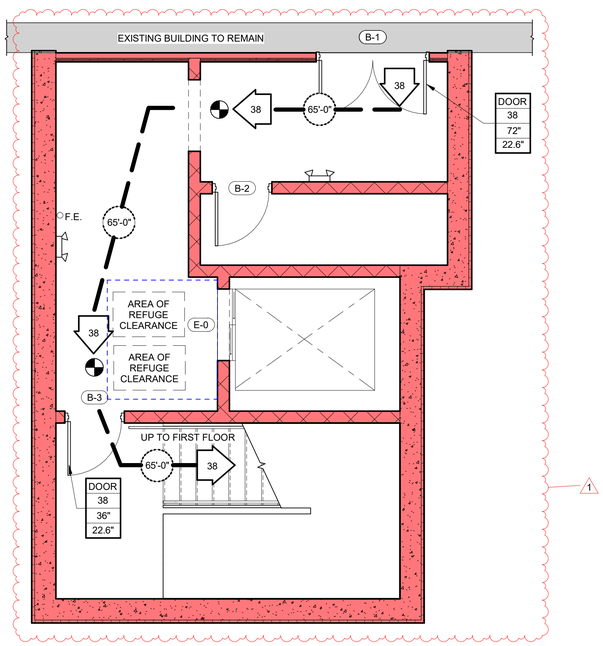
NOTE:

1. IN ACCORDANCE WITH BCNYS CHAPTER 10, SECTION 1009.6.3 *"EACH AREA OF REFUGE SHALL BE SIZED TO ACCOMMODATE ONE WHEELCHAIR SPACE OF 30 INCHES BY 48 INCHES FOR EACH 200 OCCUPANTS OR PORTION THEREOF, BASED ON THE OCCUPANT LOAD OF THE AREA OF REFUGE AND AREAS SERVED BY THE AREA OF REFUGE."*

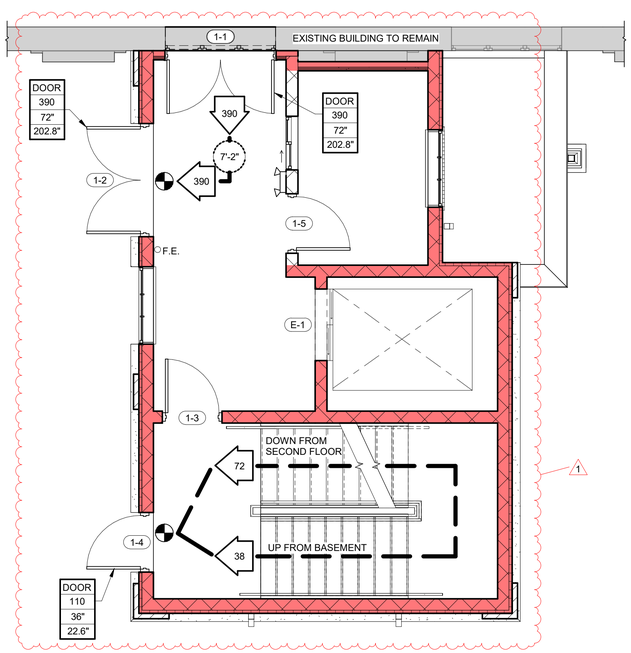
5 **AREA OF REFUGE CLEARANCE**
SCALE: 1/2" = 1'-0"



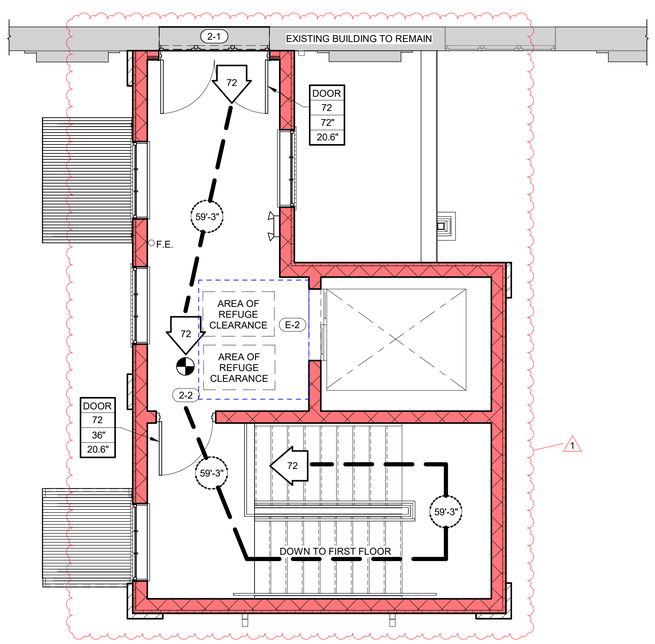
6 **TYPICAL WALL MOUNTED FIRE EXTINGUISHER**
SCALE: 1" = 1'-0"



1 **LIFE SAFETY PLAN - BASEMENT**
SCALE: 1/4" = 1'-0"



2 **LIFE SAFETY PLAN - FIRST FLOOR**
SCALE: 1/4" = 1'-0"



3 **LIFE SAFETY PLAN - SECOND FLOOR**
SCALE: 1/4" = 1'-0"

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DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
LIFE SAFETY PLANS

DRAWING NUMBER:
LS-101

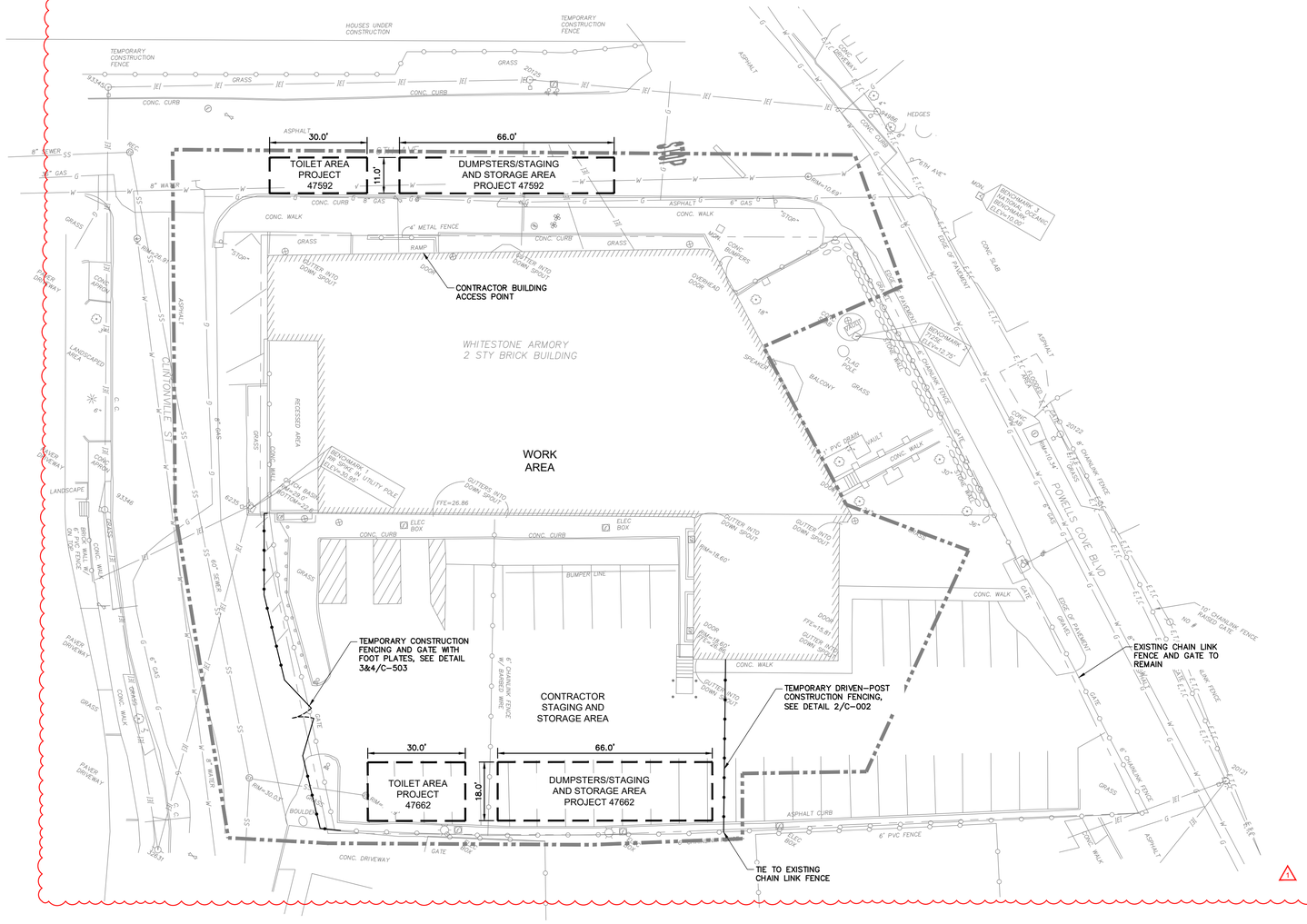
SHEET 3 OF 62

LEGEND:

- CONTRACT LIMIT LINE
- TEMPORARY CHAIN LINK FENCE
- RESERVED AREA

GENERAL NOTES:

1. LIMITED STAGING OR STORAGE WILL BE PERMITTED ON–SITE WITH PRIOR APPROVAL FROM DIRECTOR'S REPRESENTATIVE.
2. ALL CONTRACTS MUST COORDINATE WITH DIRECTOR'S REPRESENTATIVE FOR THE PLACEMENT OF ALL TEMPORARY FACILITIES, EQUIPMENT, AND MATERIAL STORAGE (INCLUDING DUMPSTERS, DELIVERIES, AND TOILET FACILITIES).
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH DIRECTOR'S REPRESENTATIVE IN OBTAINING NECESSARY PERMITS AND APPROVALS FOR ROAD CLOSURES AND USE OF AREAS IN THE PUBLIC–WAY.



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PROJECT NUMBER:	47662 - C
DESIGNED BY:	TAS
DRAWN BY:	TAS
FIELD CHECK:	JML
APPROVED:	JMB

SHEET TITLE:

STAGING, ACCESS AND STORAGE PLAN

DRAWING NUMBER:

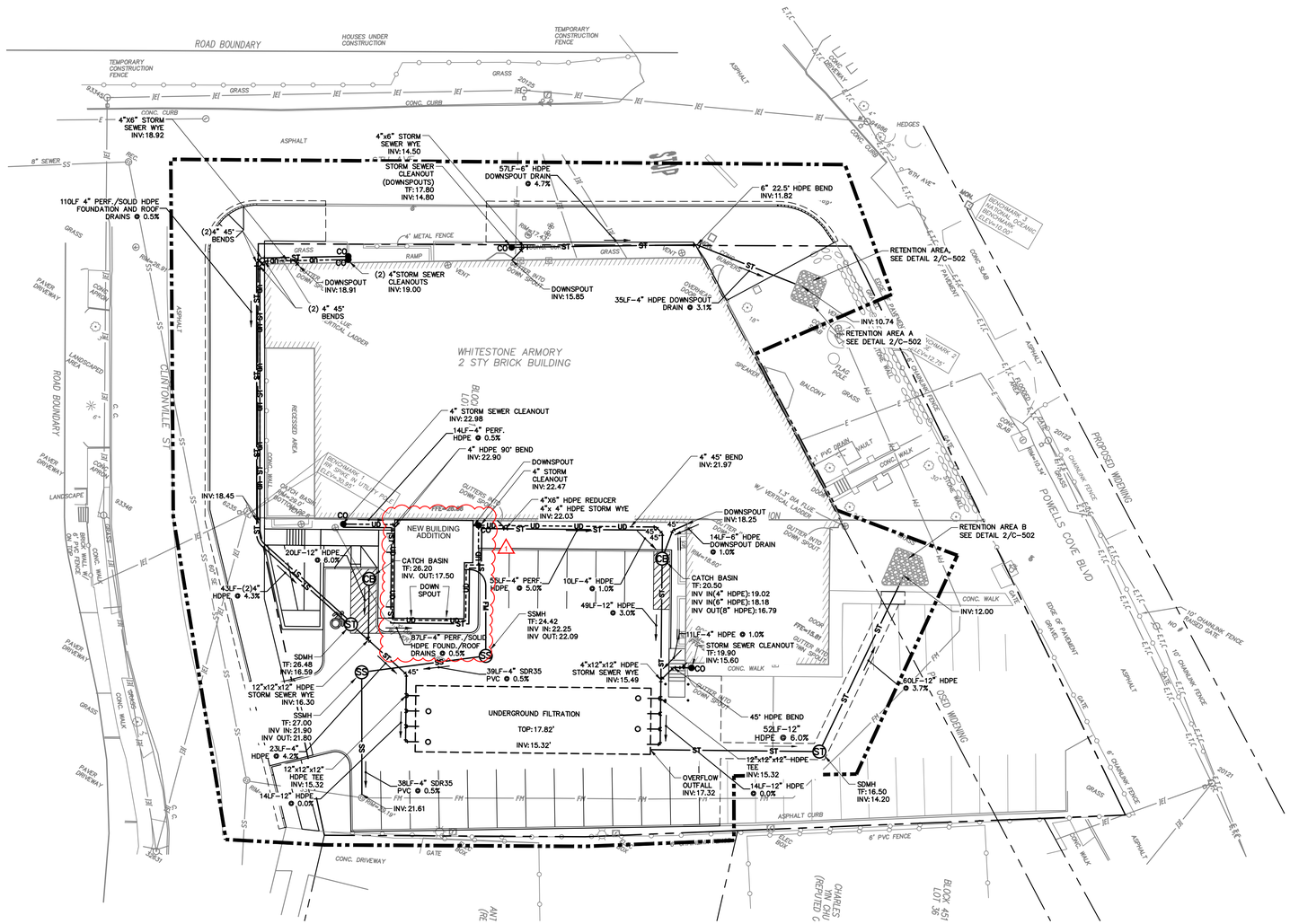
C-002

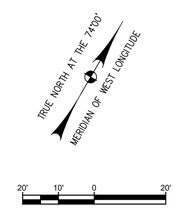
SHEET 5 OF 62

Jun 27,2025 – 12:37pm
F:\MJ\1816 NYSOGS SE287 Environmental_Civil Services\1816.34 Repair Storm Drainage Whitestone\47662 C-002 Construction Access and Staging Plan.dwg
36x24 PLOT SHEET

LEGEND

— · — · —	CONTRACT LIMIT LINE
—— ST ——	STORM SEWER LINE
- - - UD - - - - - UD - - -	STORM SEWER FOUNDATION DRAINLINE, SEE DETAIL 3/C-503
—— SS ——	SANITARY SEWER LINE
—— FM ——	SANITARY SEWER FORCE MAIN
ST	STORM SEWER MANHOLE, SEE DETAIL 7/C-501
CB	CATCH BASIN, ROUND SEE DETAIL 6/C-501
CO	STORM SEWER CLEANOUT, SEE DETAIL 4/C-502
SS	SANITARY SEWER MANHOLE, SEE DETAIL 5/C-501





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DESIGNED BY:	TAS
DRAWN BY:	TAS
FIELD CHECK:	JML
APPROVED:	JMB

SHEET TITLE:

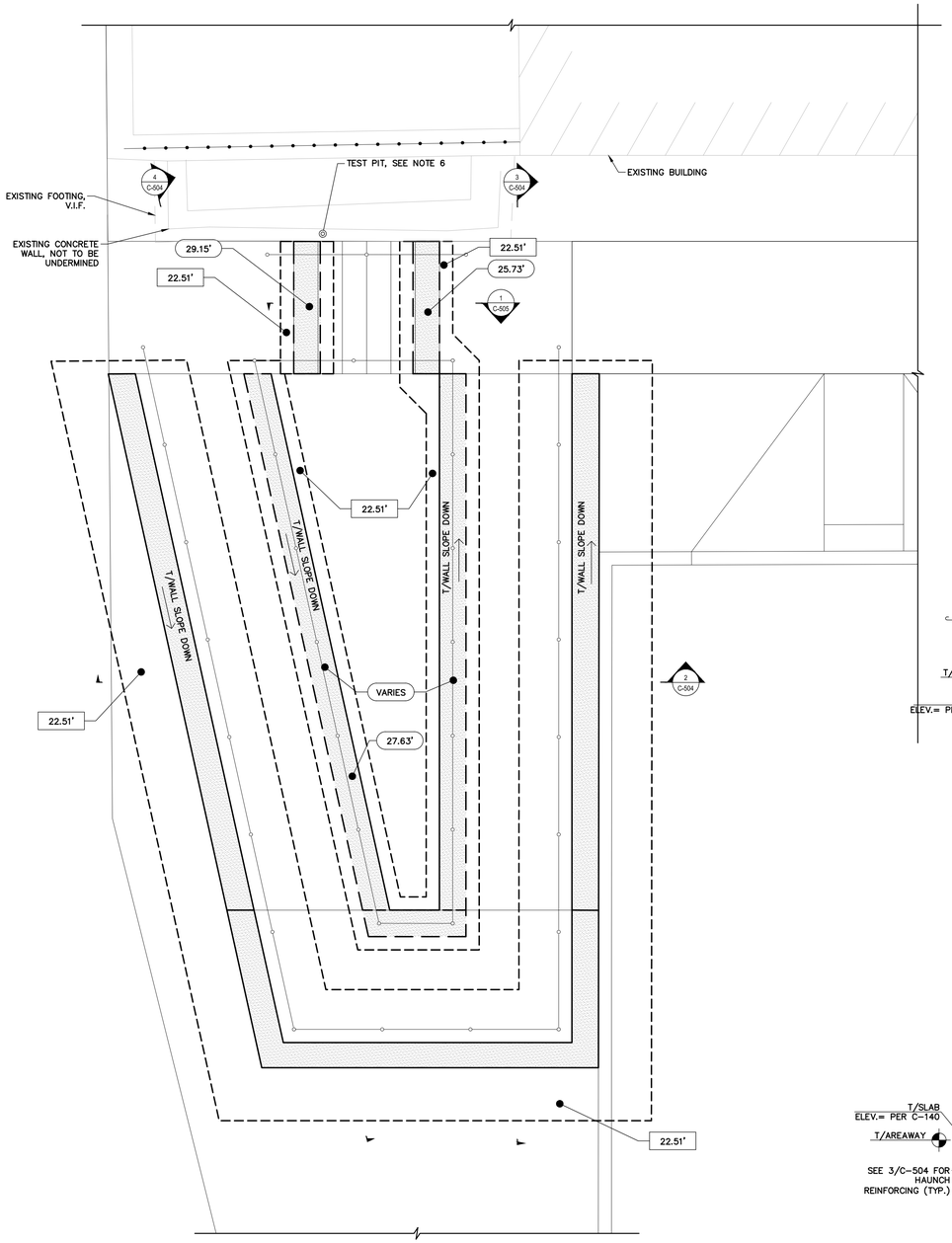
UTILITY PLAN

DRAWING NUMBER:

C-150

SHEET 11 OF 62

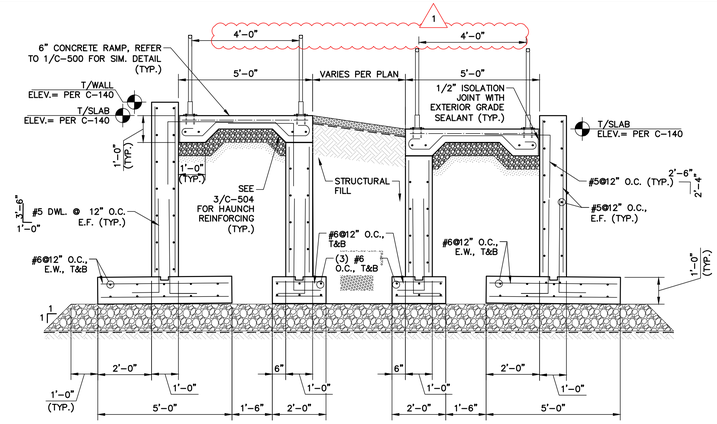
Jun 27,2025 – 12:27pm
F:\MJ1816 NYSGOS SE287 Environmental_Civil Services\1816.34 Repair Storm Drainage Whitestone\47662-C-150 Utility Plan.dwg
36x24 PLOT SHEET



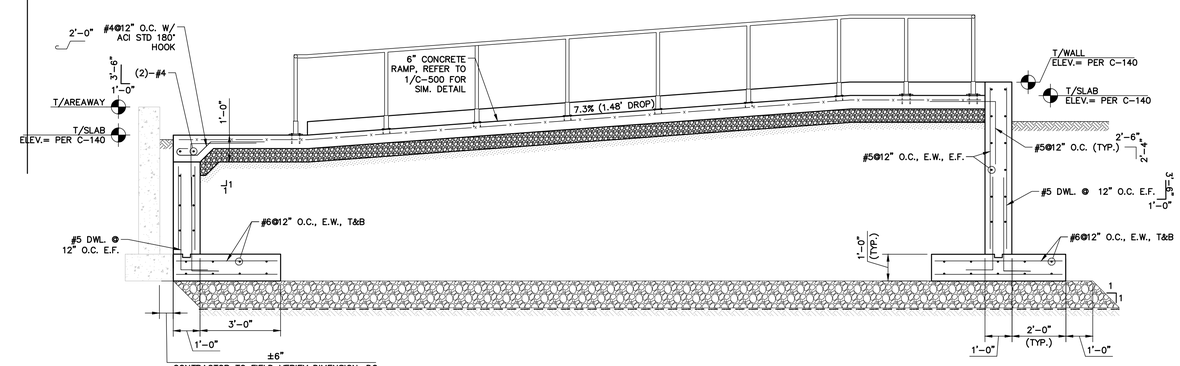
1 ENLARGED RAMP LAYOUT PLAN
SCALE: 3/8"= 1'-0"

NOTES:

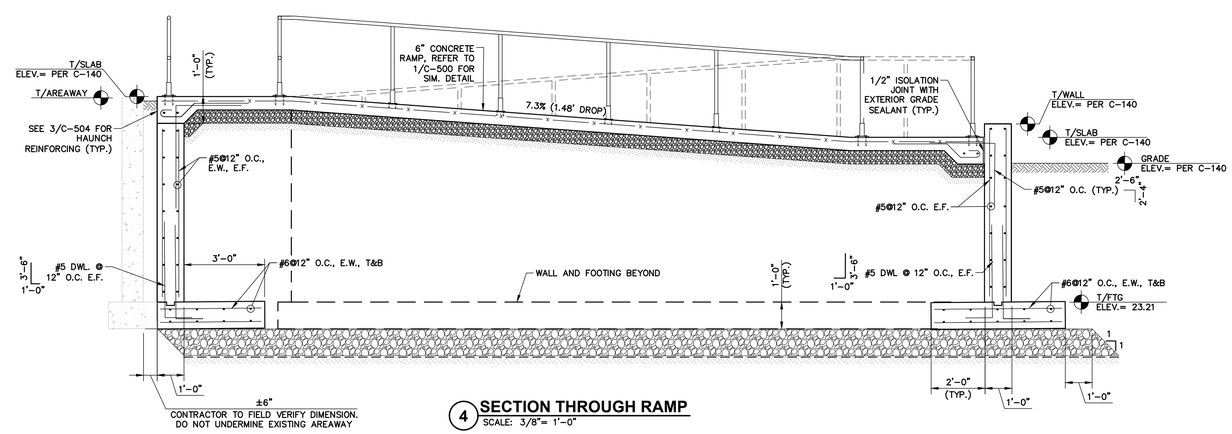
1. REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. SEE C-140 FOR ABOVE GRADE CONCRETE ELEVATIONS.
3. X'-XX" DENOTES T/FTG ELEVATIONS.
4. X'-XX" DENOTES T/WALL ELEVATION.
5. EXISTING RECORD DRAWING INFORMATION DOES NOT INCLUDE FOOTING ELEVATIONS. CONTRACTOR TO PERFORM TEST PITS PRIOR TO REINFORCEMENT SUBMITTAL TO DETERMINE EXACT LOCATION OF EXISTING BELOW GRADE FOUNDATIONS. COORDINATE WITH DIRECTOR'S REPRESENTATIVE IF FOUNDATION INFORMATION VARIES FROM PRESUMED INFORMATION SHOWN.
6. WS DENOTES WALL STEP.



2 SECTION THROUGH STAIR
SCALE: 3/8"= 1'-0"



3 SECTION THROUGH RAMP
SCALE: 3/8"= 1'-0"



4 SECTION THROUGH RAMP
SCALE: 3/8"= 1'-0"

SHEET LEGEND:

- PLAN VIEW OF STRUCTURAL WALL
- GRADE
- RIVER ROCK BEDDING, SEE CIVIL
- 1'-0" MIN. COMPACTED CRUSHED STONE ITEM B-12
- 0'-6" MIN. COMPACTED CRUSHED STONE ITEM B-12
- STRUCTURAL FILL
- EXISTING UNDISTURBED SUBGRADE TO REMAIN
- EXISTING CONCRETE
- NON-WOVEN GEOTEXTILE FABRIC

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CONSTRUCTION

TITLE:
REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:
STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:
DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

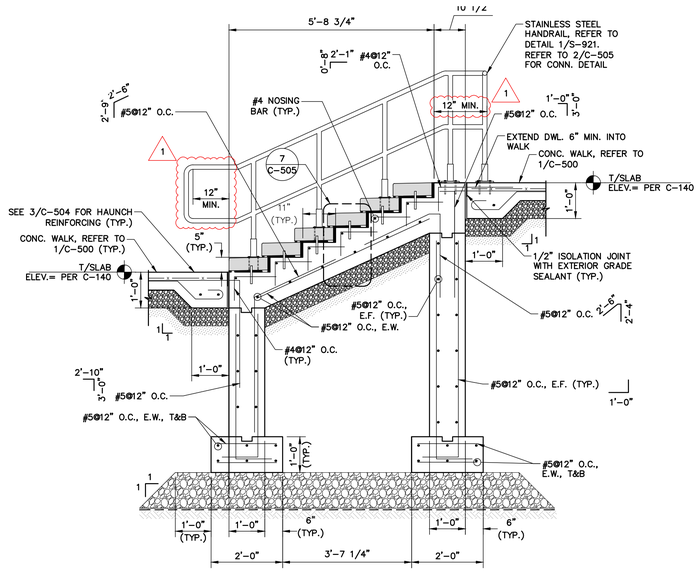
MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	JNK
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
STAIRS AND ADA RAMP PLAN AND SECTIONS

DRAWING NUMBER:
C-504

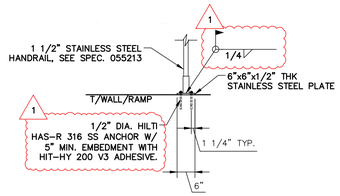
SHEET 16 OF 62



NOTE:

1. PROVIDE A 1" MIN. MORTAR BED BELOW AND BEHIND GRANITE TREAD, REFER TO 3/C-504.

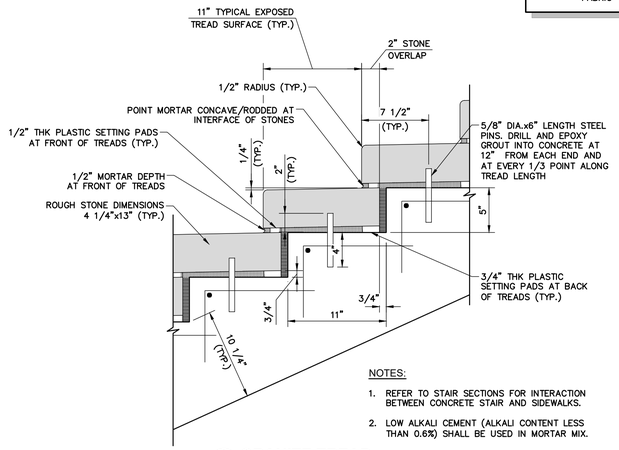
1 SECTION THROUGH STAIR
SCALE: 1/2"= 1'-0"



NOTES:

1. HANDRAIL DELEGATED DESIGN ENGINEER SHALL PROVIDE FINAL MEMBER SIZES AND CONNECTIONS.
2. SUBMIT STAMPED AND SIGNED DELEGATED DESIGN HANDRAIL SHOP DRAWINGS AND COMPLETE CALCULATION PACKAGE IN COORDINATION WITH STAIR AND RAMP SYSTEMS.

2 RAILING ANCHORAGE DETAIL
SCALE: N.T.S.



NOTES:

1. REFER TO STAIR SECTIONS FOR INTERACTION BETWEEN CONCRETE STAIR AND SIDEWALKS.
2. LOW ALKALI CEMENT (ALKALI CONTENT LESS THAN 0.6%) SHALL BE USED IN MORTAR MIX.

3 GRANITE TREAD
SCALE: 1 1/2"= 1'-0"

SHEET LEGEND:

- THERMAL FINISH GRANITE TREAD
- MORTAR
- 1'-0" MIN. COMPACTED CRUSHED STONE ITEM B-12
- 0'-6" MIN. COMPACTED CRUSHED STONE ITEM B-12
- STRUCTURAL FILL
- EXISTING UNDISTURBED SUBGRADE TO REMAIN
- NON-WOVEN GEOTEXTILE FABRIC

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

MJ Engineering Architecture Landscape Architecture and Land Surveying, P.C.

ENERGY CODE STATEMENT:

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:
CONSTRUCTION

TITLE:
REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:
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150-74 6TH AVENUE
WHITESTONE, NY

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MARK	DATE	DESCRIPTION
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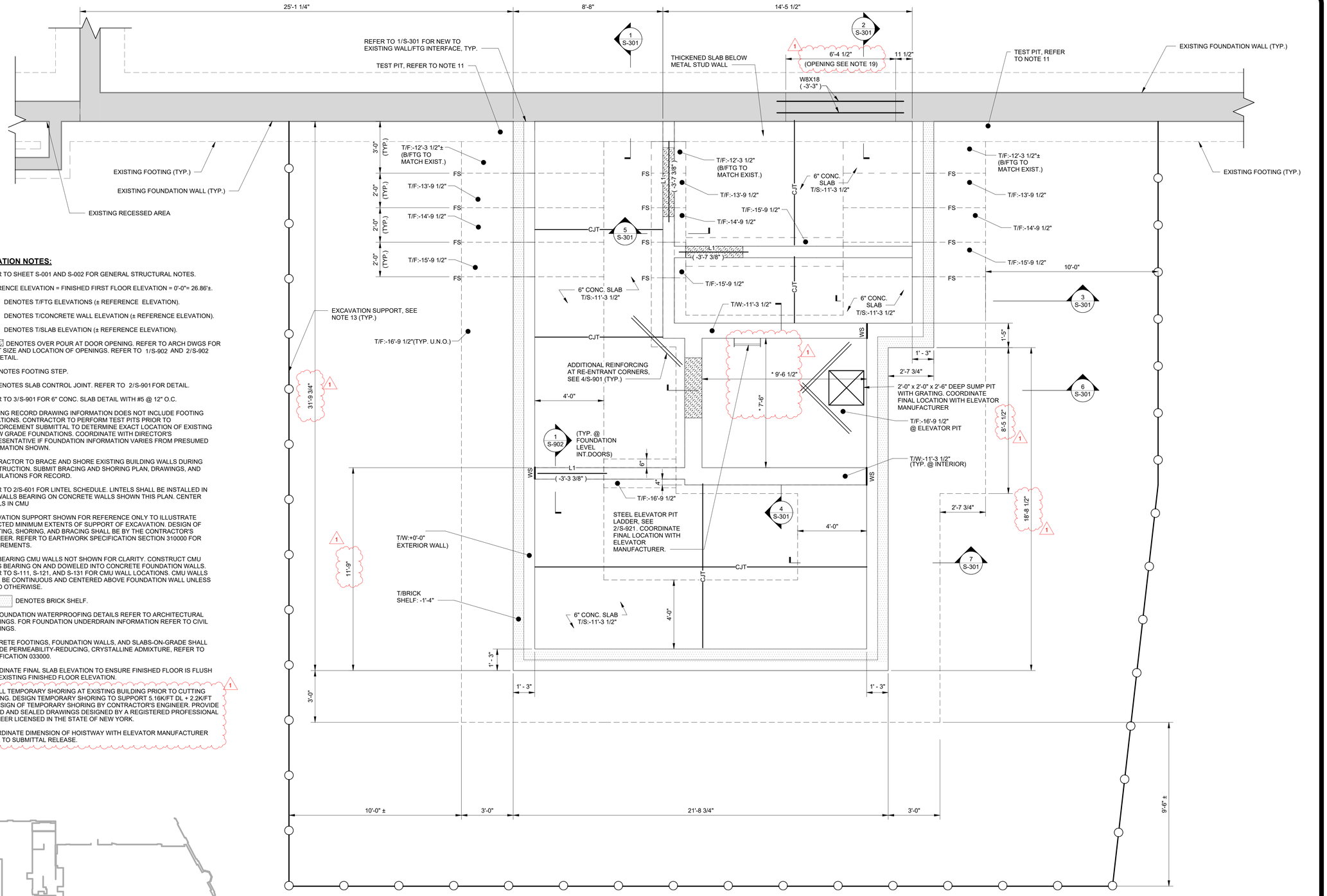
DESIGNED BY:	JNK
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
STAIR SECTIONS AND DETAILS

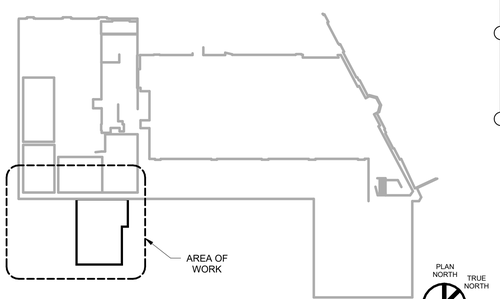
DRAWING NUMBER:
C-505

SHEET 17 OF 62



FOUNDATION NOTES:

1. REFER TO SHEET S-001 AND S-002 FOR GENERAL STRUCTURAL NOTES.
2. REFERENCE ELEVATION = FINISHED FIRST FLOOR ELEVATION = 0'-0"= 26.86'±.
3. T/F DENOTES T/FTG ELEVATIONS (± REFERENCE ELEVATION).
4. T/W DENOTES T/CONCRETE WALL ELEVATION (± REFERENCE ELEVATION).
5. T/S DENOTES T/SLAB ELEVATION (± REFERENCE ELEVATION).
6. DENOTES OVER POUR AT DOOR OPENING. REFER TO ARCH DWGS FOR EXACT SIZE AND LOCATION OF OPENINGS. REFER TO 1/S-902 AND 2/S-902 FOR DETAIL.
7. FS DENOTES FOOTING STEP.
8. CJT DENOTES SLAB CONTROL JOINT. REFER TO 2/S-901 FOR DETAIL.
9. REFER TO 3/S-901 FOR 6" CONC. SLAB DETAIL WITH #5 @ 12" O.C.
10. EXISTING RECORD DRAWING INFORMATION DOES NOT INCLUDE FOOTING ELEVATIONS. CONTRACTOR TO PERFORM TEST PITS PRIOR TO REINFORCEMENT SUBMITTAL TO DETERMINE EXACT LOCATION OF EXISTING BELOW GRADE FOUNDATIONS. COORDINATE WITH DIRECTOR'S REPRESENTATIVE IF FOUNDATION INFORMATION VARIES FROM PRESUMED INFORMATION SHOWN.
11. CONTRACTOR TO BRACE AND SHORE EXISTING BUILDING WALLS DURING CONSTRUCTION. SUBMIT BRACING AND SHORING PLAN, DRAWINGS, AND CALCULATIONS FOR RECORD.
12. REFER TO 2/S-601 FOR LINTEL SCHEDULE. LINTELS SHALL BE INSTALLED IN CMU WALLS BEARING ON CONCRETE WALLS SHOWN THIS PLAN. CENTER LINTELS IN CMU
13. EXCAVATION SUPPORT SHOWN FOR REFERENCE ONLY TO ILLUSTRATE EXPECTED MINIMUM EXTENTS OF SUPPORT OF EXCAVATION. DESIGN OF SHEETING, SHORING, AND BRACING SHALL BE BY THE CONTRACTOR'S ENGINEER. REFER TO EARTHWORK SPECIFICATION SECTION 310000 FOR REQUIREMENTS.
14. LOADBEARING CMU WALLS NOT SHOWN FOR CLARITY. CONSTRUCT CMU WALLS BEARING ON AND DOWELED INTO CONCRETE FOUNDATION WALLS. REFER TO S-111, S-121, AND S-131 FOR CMU WALL LOCATIONS. CMU WALLS SHALL BE CONTINUOUS AND CENTERED ABOVE FOUNDATION WALL UNLESS NOTED OTHERWISE.
15. DENOTES BRICK SHELF.
16. FOR FOUNDATION WATERPROOFING DETAILS REFER TO ARCHITECTURAL DRAWINGS. FOR FOUNDATION UNDERDRAIN INFORMATION REFER TO CIVIL DRAWINGS.
17. CONCRETE FOOTINGS, FOUNDATION WALLS, AND SLABS-ON-GRADE SHALL INCLUDE PERMEABILITY-REDUCING, CRYSTALLINE ADMIXTURE, REFER TO SPECIFICATION 033000.
18. COORDINATE FINAL SLAB ELEVATION TO ENSURE FINISHED FLOOR IS FLUSH WITH EXISTING FINISHED FLOOR ELEVATION.
19. INSTALL TEMPORARY SHORING AT EXISTING BUILDING PRIOR TO CUTTING OPENING. DESIGN TEMPORARY SHORING TO SUPPORT 5.16K/FT DL + 2.2K/FT SL. DESIGN OF TEMPORARY SHORING BY CONTRACTOR'S ENGINEER. PROVIDE SIGNED AND SEALED DRAWINGS DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.
20. *COORDINATE DIMENSION OF HOISTWAY WITH ELEVATOR MANUFACTURER PRIOR TO SUBMITTAL RELEASE.



KEYPLAN
SCALE: 1/32" = 1'-0"

1 FOUNDATION PLAN
SCALE: 3/8" = 1'-0"

PLAN NORTH
TRUE NORTH

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

Engineering Architecture Landscape Architecture and Land Surveying, P.C.

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CONSTRUCTION

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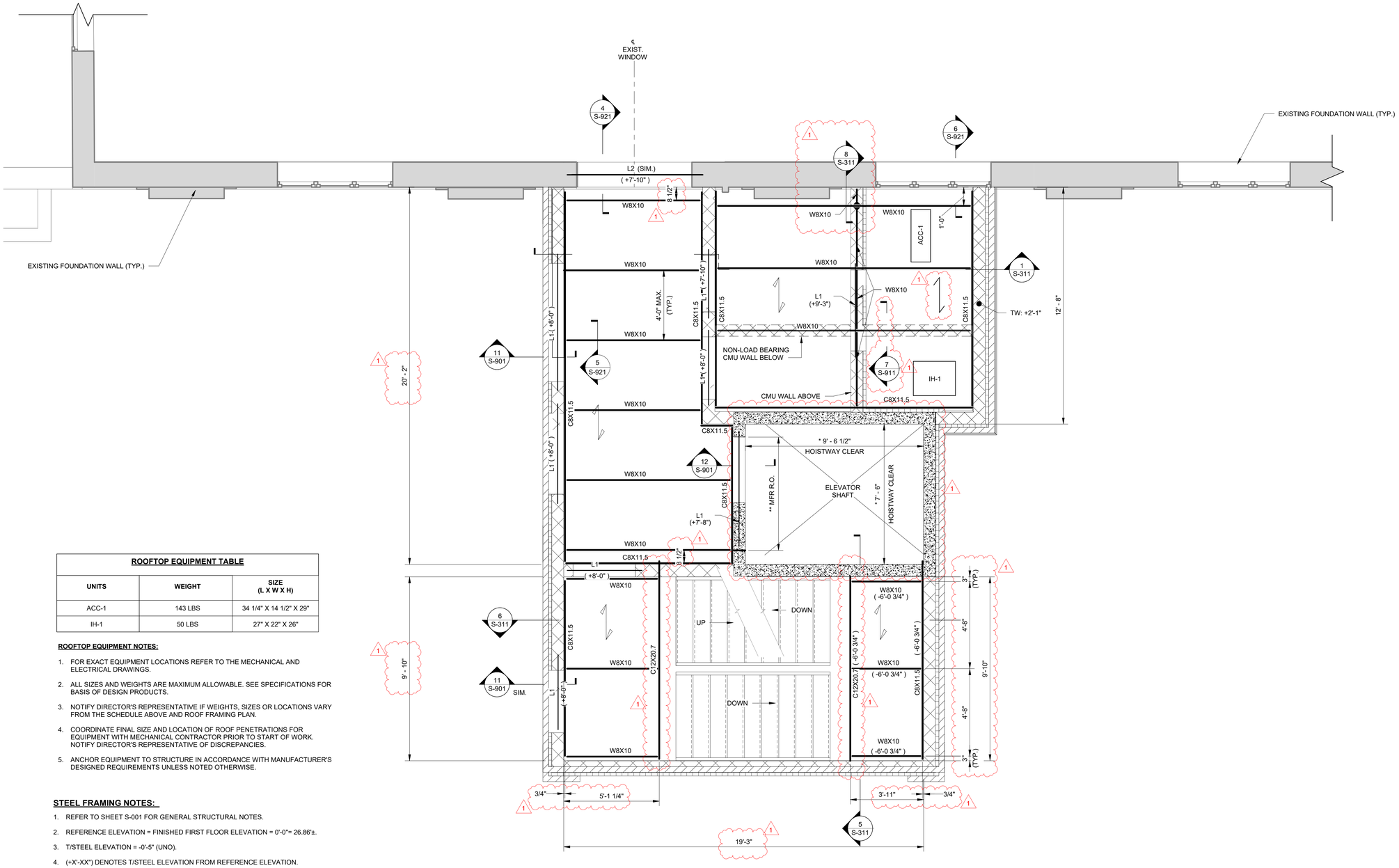
DESIGNED BY:	JNK
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
FOUNDATION PLAN

DRAWING NUMBER:
S-101

SHEET 20 OF 62



1 FIRST FLOOR FRAMING PLAN

SCALE: 3/8" = 1'-0"

PLAN NORTH TRUE NORTH

ROOFTOP EQUIPMENT TABLE

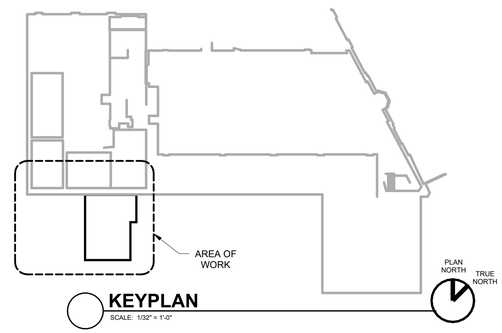
UNITS	WEIGHT	SIZE (L X W X H)
ACC-1	143 LBS	34 1/4" X 14 1/2" X 29"
IH-1	50 LBS	27" X 22" X 26"

ROOFTOP EQUIPMENT NOTES:

1. FOR EXACT EQUIPMENT LOCATIONS REFER TO THE MECHANICAL AND ELECTRICAL DRAWINGS.
2. ALL SIZES AND WEIGHTS ARE MAXIMUM ALLOWABLE. SEE SPECIFICATIONS FOR BASIS OF DESIGN PRODUCTS.
3. NOTIFY DIRECTOR'S REPRESENTATIVE IF WEIGHTS, SIZES OR LOCATIONS VARY FROM THE SCHEDULE ABOVE AND ROOF FRAMING PLAN.
4. COORDINATE FINAL SIZE AND LOCATION OF ROOF PENETRATIONS FOR EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO START OF WORK. NOTIFY DIRECTOR'S REPRESENTATIVE OF DISCREPANCIES.
5. ANCHOR EQUIPMENT TO STRUCTURE IN ACCORDANCE WITH MANUFACTURER'S DESIGNED REQUIREMENTS UNLESS NOTED OTHERWISE.

STEEL FRAMING NOTES:

1. REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. REFERENCE ELEVATION = FINISHED FIRST FLOOR ELEVATION = 0'-0"= 26.86'±.
3. T/STEEL ELEVATION = -0'-5" (UNO).
4. (+X'-XX") DENOTES T/STEEL ELEVATION FROM REFERENCE ELEVATION.
5. DENOTES CONCRETE SLAB-ON-METAL DECK. CONCRETE SLAB-ON-METAL DECK SHALL BE 3 1/2" THICK SLAB ON 1 1/2" 18 GA. TYPE-VL GALV. PERMANENT METAL COMPOSITE DECK. THE CONCRETE SLAB SHALL BE REINFORCED W/ 4X4-W2.9XW2.9 WWF. METAL DECK SHALL BE FASTENED W/ 5/8" DIA. PUDDLE WELDS ON A 36/4 PATTERN. SIDELAPS SHALL BE FASTENED W/ #10 TEK SCREWS, 3 PER SPAN. ALL METAL DECK SHALL BE SINGLE SPAN (MIN.)
6. DENOTES SPAN OF METAL DECK. METAL ROOF DECK SHALL BE 1 1/2" 18 GA. TYPE B METAL DECK. METAL DECK SHALL BE FASTENED USING 5/8" PUDDLE WELDS ON A 36/4 PATTERN. SIDELAPS SHAL BE FASTENED W/ #10 TEK SCREWS, 3 PER SPAN. ALL METAL DECK SHALL BE SINGLE SPAN.
7. BEAMS ARE EQUALLY SPACED UNLESS NOTED OTHERWISE.
8. DENOTES BRICK VENEER, REFER TO ARCH.
9. DENOTES 8" CMU BLOCK WALL.
10. DENOTES EIFS INSULATION, REFER TO ARCH.
11. COORDINATE FINAL T/STEEL ELEVATION TO ENSURE FINISHED FLOOR IS FLUSH WITH EXISTING FINISHED FLOOR ELEVATION.
12. DENOTES 8" CMU BLOCK WALL ELEVATOR SHAFT GROUTED SOLID, REFER TO DETAIL 5/S-911 FOR REINFORCING.
13. *COORDINATE DIMENSION OF HOISTWAY WITH ELEVATOR MANUFACTURER PRIOR TO SUBMITTAL RELEASE.
14. ** COORDINATE TEMPORARY ROUGH OPENING DIMENSIONS WITH ELEVATOR MANUFACTURER. LEAVE ALTERNATE COURSES (TEETH) FOR TOOTHING CMU OPENING IN8/S-311TER ELEVATOR INSTALLATION.
15. DENOTES STEEL MOMENT CONNECTION, REFER TO DETAIL .



KEYPLAN

SCALE: 1/32" = 1'-0"

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

MJ Engineering Architecture Landscape Architecture and Land Surveying, P.C.

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:

CONSTRUCTION

TITLE:

REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:

STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	JNK
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

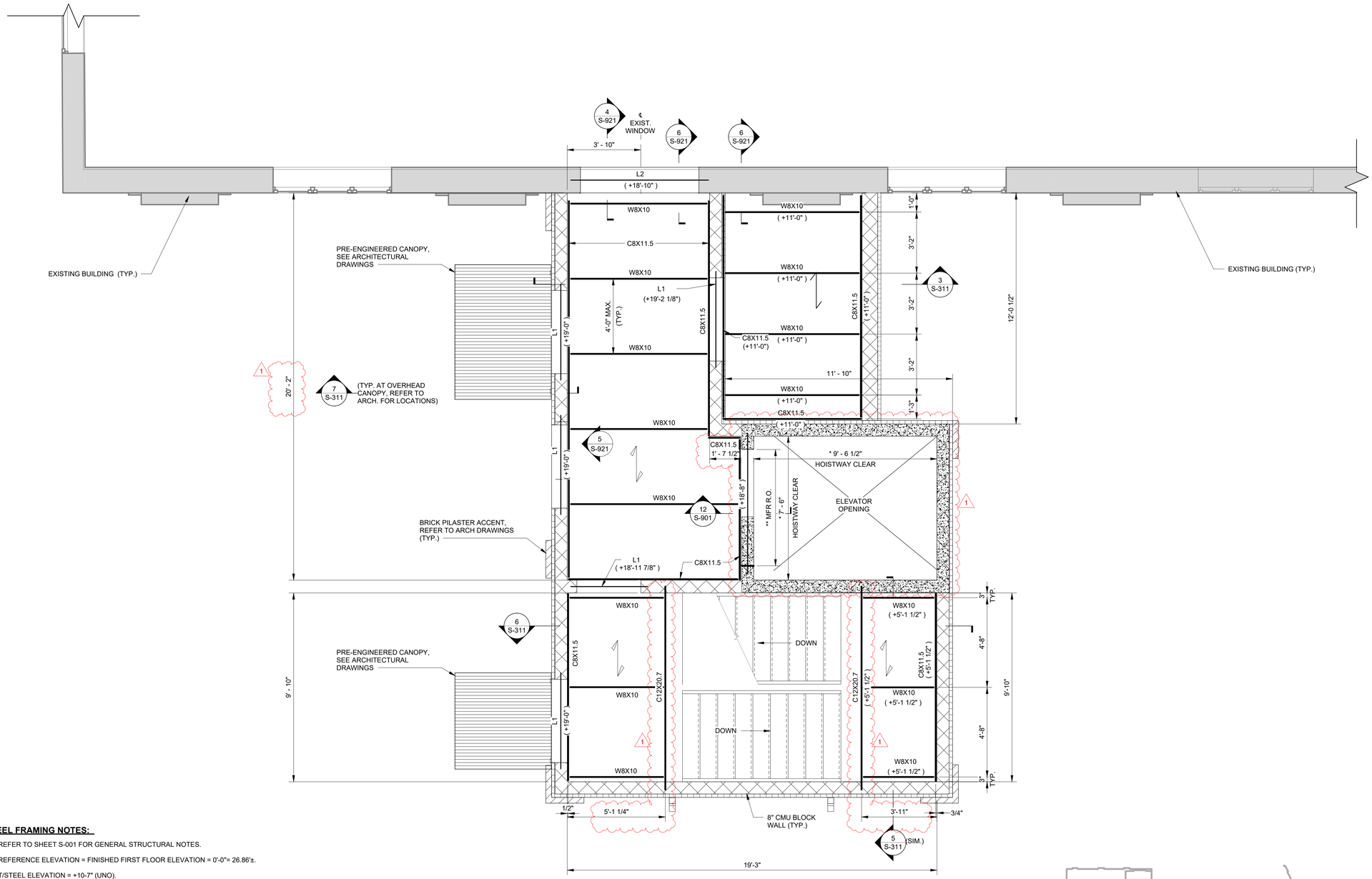
SHEET TITLE:

FIRST FLOOR FRAMING PLAN

DRAWING NUMBER:

S-111

SHEET 21 OF 62



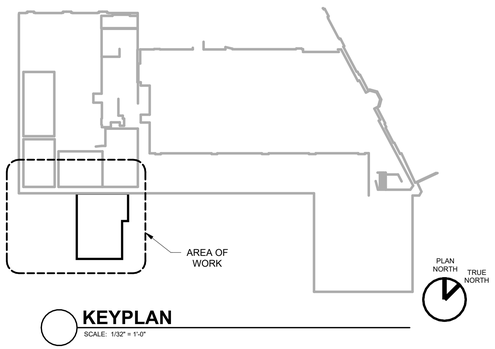
1 SECOND FLOOR FRAMING PLAN

SCALE: 3/8" = 1'-0"

PLAN NORTH
TRUE NORTH

STEEL FRAMING NOTES:

1. REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. REFERENCE ELEVATION = FINISHED FIRST FLOOR ELEVATION = 0'-0"= 26.86'±.
3. T/STEEL ELEVATION = +10-7" (UNO).
4. (+X'-XX") DENOTES T/STEEL ELEVATION FROM REFERENCE ELEVATION.
5. DENOTES SPAN OF CONCRETE SLAB-ON-METAL DECK CONCRETE SLAB-ON-METAL DECK SHALL BE 3 1/2" THICK SLAB ON 1 1/2" 18 GA. TYPE-VL GALV. PERMANENT METAL COMPOSITE DECK. THE CONCRETE SLAB SHALL BE REINFORCED W/ 4X4-W2.9XW2.9 WWF. METAL DECK SHALL BE FASTENED W/ 5/8" DIA. PUDDLE WELDS ON A 36/4 PATTERN. SIDELAPS SHALL BE FASTENED W/ #10 TEK SCREWS, 3 PER SPAN. ALL METAL DECK SHALL BE SINGLE SPAN (MIN.).
6. DENOTES SPAN OF METAL DECK. METAL ROOF DECK SHALL BE 1 1/2" 18 GA. TYPE B METAL DECK. METAL DECK SHALL BE FASTENED USING 5/8" PUDDLE WELDS ON A 36/4 PATTERN. SIDELAPS SHAL BE FASTENED W/ #10 TEK SCREWS, 3 PER SPAN. ALL METAL DECK SHALL BE SINGLE SPAN.
7. BEAMS ARE EQUALLY SPACED UNLESS NOTED OTHERWISE.
8. DENOTES BRICK VENEER, REFER TO ARCH.
9. DENOTES 8" CMU BLOCK WALL.
10. DENOTES EIFS INSULATION, REFER TO ARCH.
11. COORDINATE FINAL T/STEEL ELEVATION TO ENSURE FINISHED FLOOR IS FLUSH WITH EXISTING FINISHED FLOOR ELEVATION.
12. DENOTES 8" CMU BLOCK WALL ELEVATOR SHAFT GROUTED SOLID, REFER TO DETAIL 5/S-911 FOR REINFORCING.
13. *COORDINATE DIMENSION OF HOISTWAY WITH ELEVATOR MANUFACTURER PRIOR TO SUBMITTAL RELEASE.
14. ** COORDINATE TEMPORARY ROUGH OPENING DIMENSIONS WITH ELEVATOR MANUFACTURER. LEAVE ALTERNATE COURSES (TEETH) FOR TOOTHING CMU OPENING INFILL AFTER ELEVATOR INSTALLATION.



KEYPLAN

SCALE: 1/32" = 1'-0"

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

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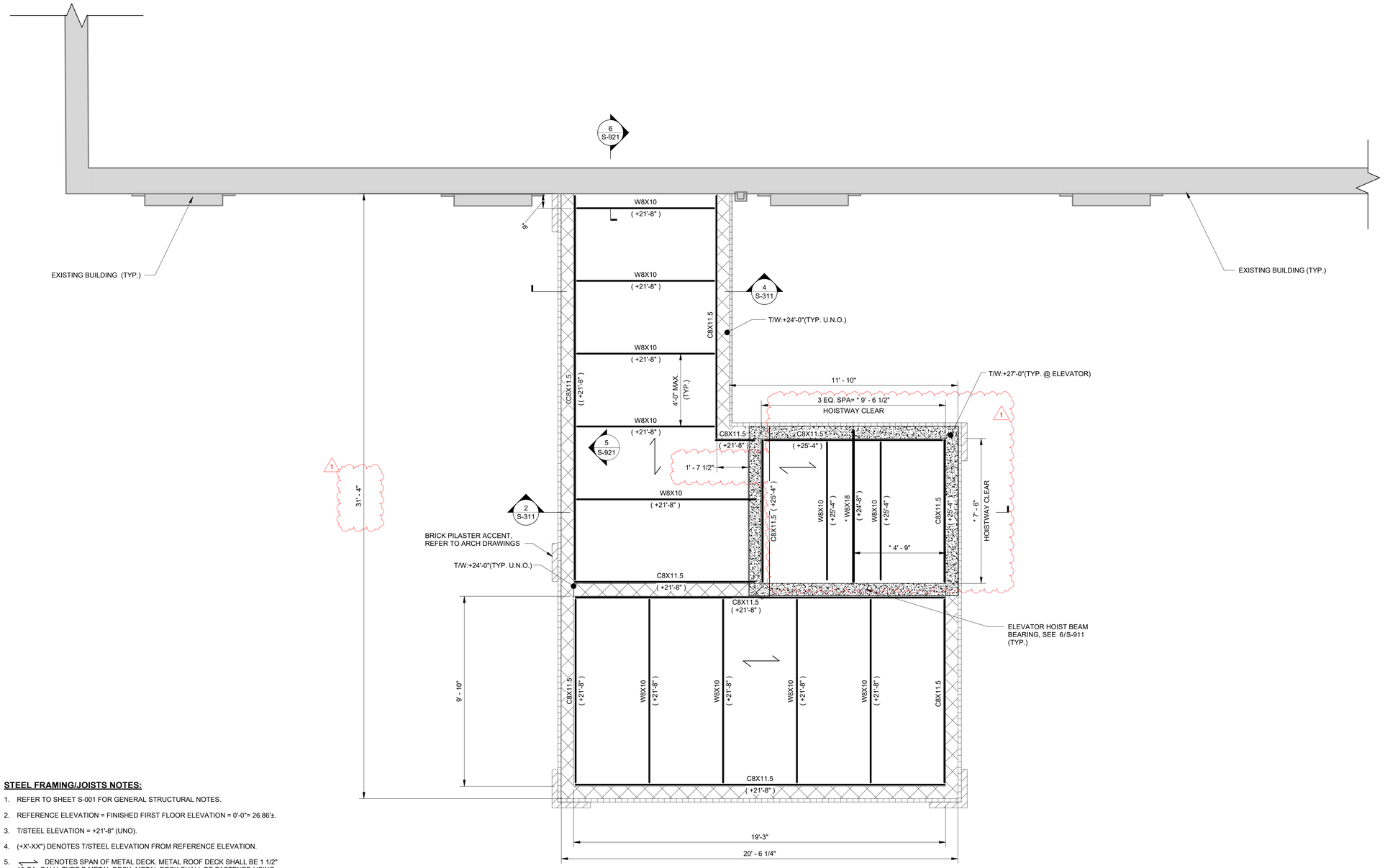
PROJECT NUMBER:	47662 - C
DESIGNED BY:	JNK
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SECOND FLOOR FRAMING PLAN

DRAWING NUMBER:
S-121

SHEET 22 OF 62



1 ROOF FRAMING PLAN

SCALE: 3/8" = 1'-0"

PLAN NORTH
TRUE NORTH

STEEL FRAMING/JOISTS NOTES:

1. REFER TO SHEET S-001 FOR GENERAL STRUCTURAL NOTES.
2. REFERENCE ELEVATION = FINISHED FIRST FLOOR ELEVATION = 0'-0"= 26.86'±.
3. T/STEEL ELEVATION = +21'-8" (UNO).
4. (+X'-XX") DENOTES T/STEEL ELEVATION FROM REFERENCE ELEVATION.
5. DENOTES SPAN OF METAL DECK. METAL ROOF DECK SHALL BE 1 1/2" 18 GA. GALV. TYPE B METAL DECK. METAL DECK SHALL BE FASTENED USING 5/8" DIA. PUDDLE WELDS ON A 36/4 PATTERN. SIDELAPS SHALL BE FASTENED W/ #10 TEK SCREWS, 3 PER SPAN. ALL METAL DECK SHALL BE SINGLE-SPAN (MIN.).
6. BEAMS ARE EQUALLY SPACED UNLESS NOTED OTHERWISE.
7. ELEVATOR HOIST BEAM, COORDINATE EXACT LOCATION WITH FINAL SELECTED ELEVATOR MANUFACTURER'S REQUIREMENTS AND ELEVATOR INSTALLER PRIOR TO SUBMITTING SHOP DRAWINGS.
8. DENOTES BRICK PILASTER, REFER TO ARCH.
9. DENOTES 8" CMU BLOCK WALL.
10. DENOTES EIFS INSULATION, REFER TO ARCH.
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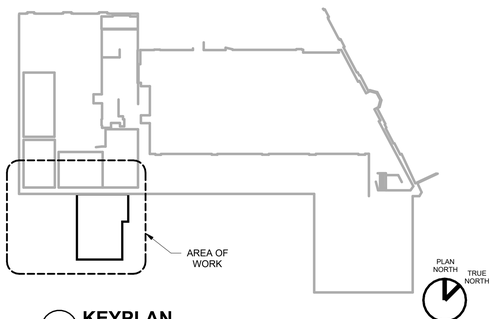

KEYPLAN

SCALE: 1/32" = 1'-0"

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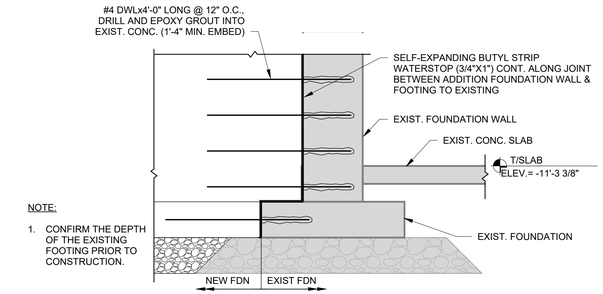
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
ROOF FRAMING PLAN

DRAWING NUMBER:
S-131

SHEET 23 OF 62

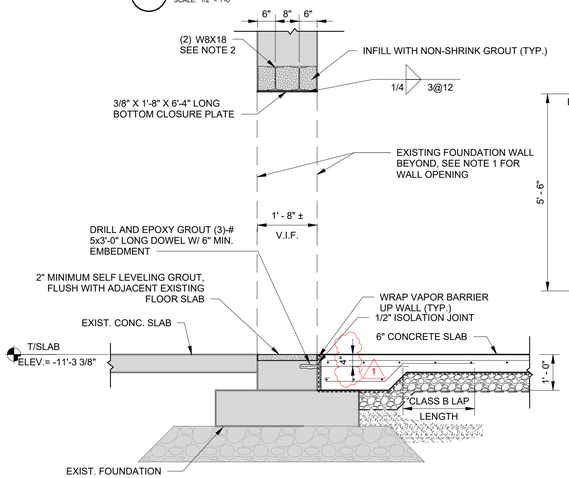


NOTE:

1. CONFIRM THE DEPTH OF THE EXISTING FOOTING PRIOR TO CONSTRUCTION.

1 SECTION @ NEW TO EXISTING WALL

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

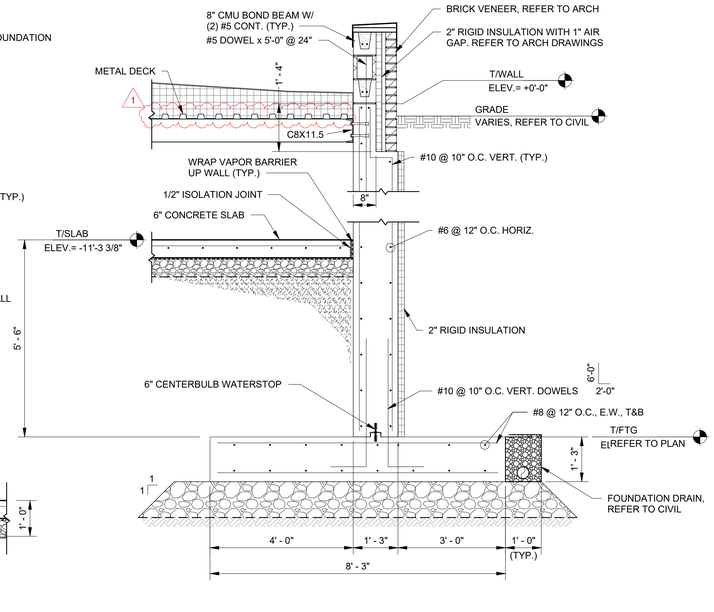


NOTES:

1. AT CORNERS PRE-CORE 3" DIAMETER HOLES TANGENT TO THE EDGES OF THE ROUGH OPENING DIMENSIONS AND SAWCUT TO THE HOLES. TAKE PRECAUTIONS TO AVOID OVERCUTTING THE OPENING AT THE CORNERS. REMOVE FOUNDATION WALL TO CREATE ROUGH OPENING.
2. PROVIDE 2 1/2" DIAMETER HOLES IN W8 BEAM WEB ALONG CENTERLINE AT 2'-0" O.C. TO ALLOW FOR GROUTING BETWEEN THE STEEL BEAMS.
3. ALL STEEL LINTEL PLATES AND STRUCTURAL SHAPES SHALL BE HOT-DIPPED GALVANIZED.
4. PROVIDE 6" MINIMUM LINTEL BEARING BY POCKETING INTO EXISTING WALL.

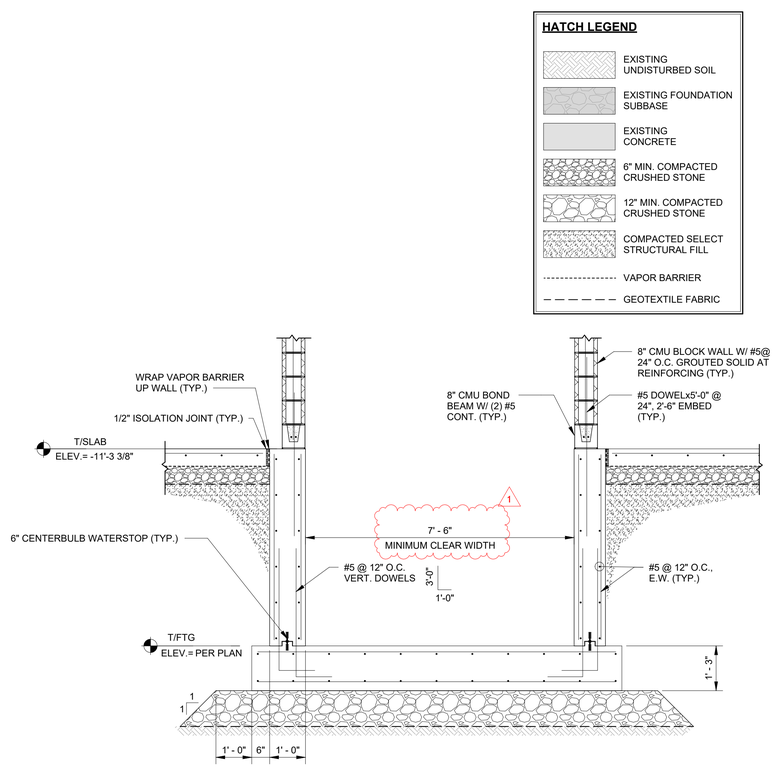
2 SECTION AT WALL OPENING

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



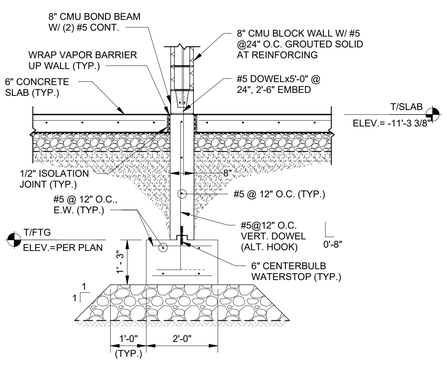
3 EXTERIOR WALL FOUNDATION @ LOWER ROOF

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



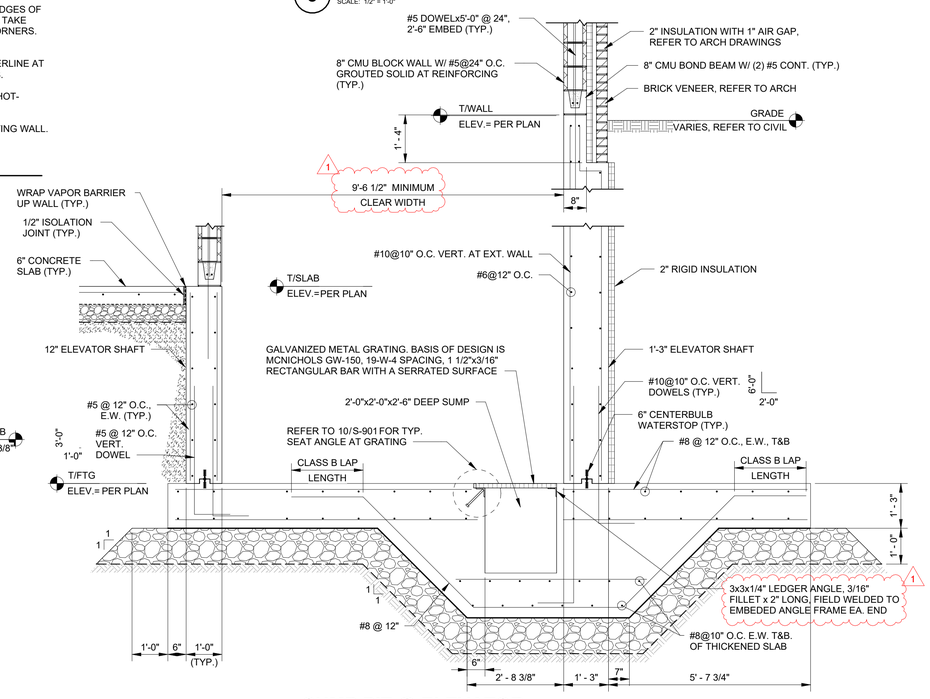
4 ELEVATOR FOUNDATION WALL

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



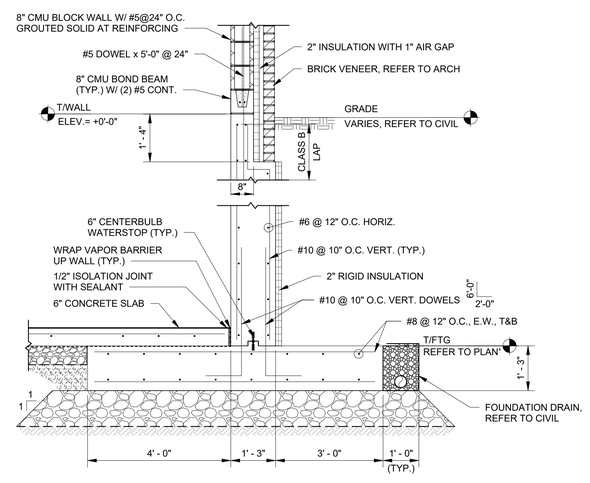
5 INTERIOR FOUNDATION WALL

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



6 SUMP PIT @ ELEVATOR FOUNDATION WALL

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



7 EXTERIOR WALL FOUNDATION

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

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DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

MJ Engineering Architecture Landscape Architecture and Land Surveying, P.C.

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:

CONSTRUCTION

TITLE:

REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:

STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	JNK
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

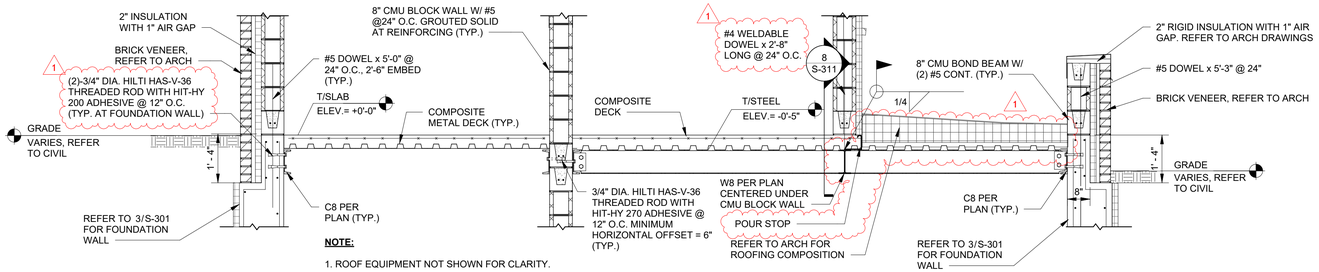
SHEET TITLE:

FOUNDATION SECTIONS

DRAWING NUMBER:

S-301

SHEET 24 OF 62

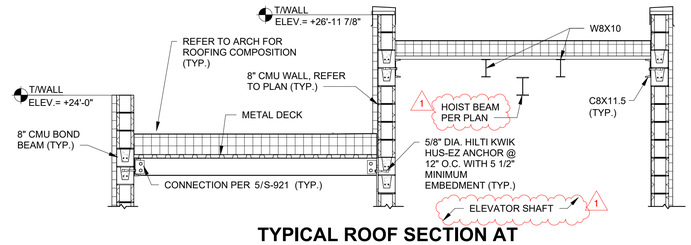


NOTE:

1. ROOF EQUIPMENT NOT SHOWN FOR CLARITY.

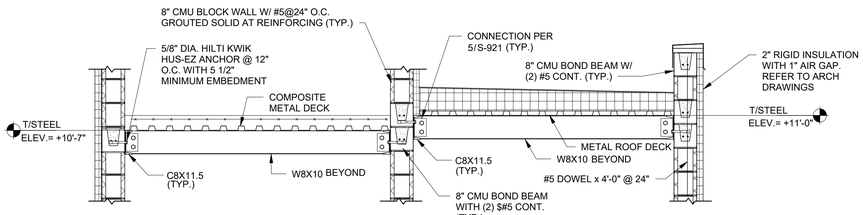
1 SECTION AT LOW ROOF

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



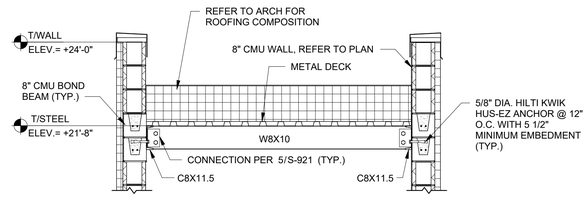
2 TYPICAL ROOF SECTION AT ELEVATOR

SCALE: 3/8" = 1'-0"



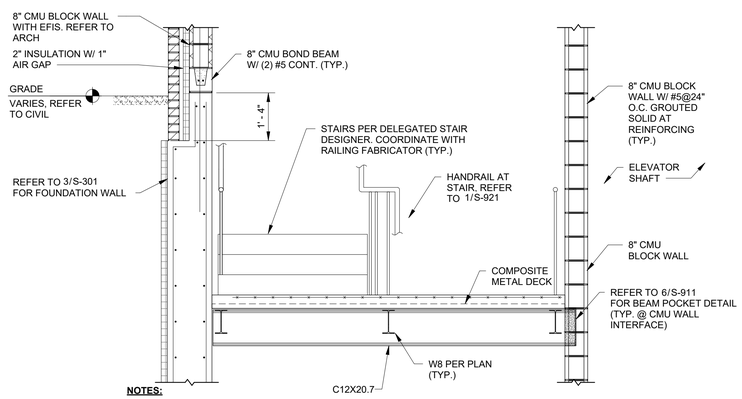
3 SECTION AT SECOND LEVEL FRAMING

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



4 SECTION AT UPPER ROOF

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

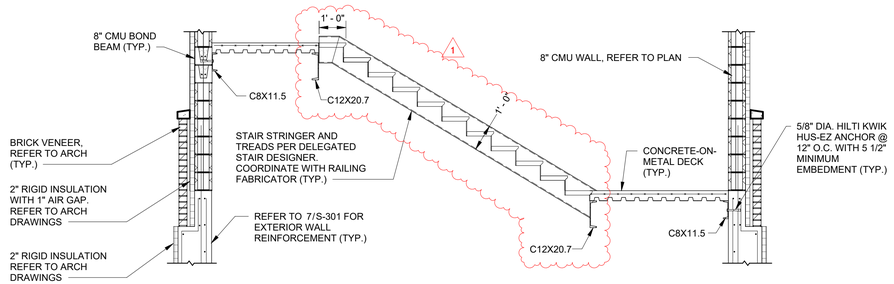


NOTES:

1. METAL PAN STAIRS:
   A. SUBMIT DELEGATED DESIGN SUBMITTAL FOR STAIRS, INCLUDING ANALYSIS DATA SIGNED AND SEALED BY THE QUALIFIED NYS LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
   B. PROVIDE COMPLETE STAIR ASSEMBLIES, INCLUIDNG METAL FRAMING, STRUCTS, CLIPS, BRACKETS, BEARING PLATES AND OTHER COMPONENTS NECESSARY TO SUPPORT AND ANCHOR STAIRS AND LANDINGS TO SUPPORT THE STRUCTURE.

5 SECTION AT STAIR

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



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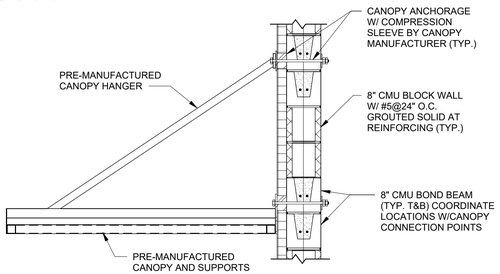
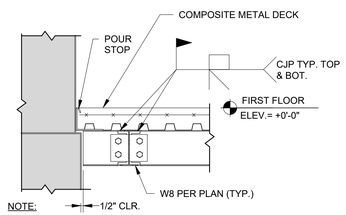
6 TYPICAL SECTION AT STAIR

SCALE: 3/8" = 1'-0"



7 SECTION AT CANOPY

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



1. REFER TO 7/S-921 FOR TYPICAL BEAM SHEAR CONNECTION.

8 MOMENT CONNECTION AT CANTILEVER BEAM

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

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CONSULTANT

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	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	JNK
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

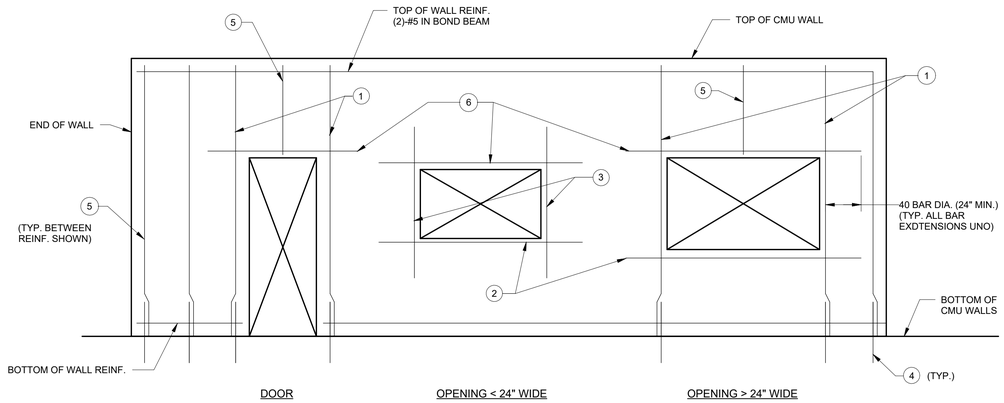
SHEET TITLE:

FRAMING SECTIONS

DRAWING NUMBER:

S-311

SHEET 25 OF 62



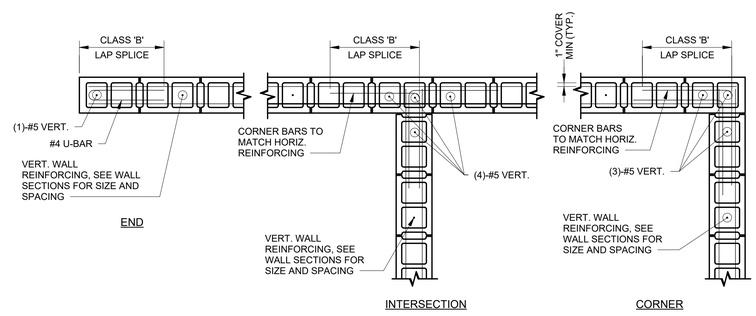
1. SEE TYPICAL CMU OPENING, ADDITIONAL REINF. DETAIL THIS DRAWINGS
2. SILL BARS. (2)-#5 IN BOND BEAM
3. (1)-#5 EACH SIDE
4. DOWELS TO MATCH SIZE AND SPACING OF WALL REINFORCING
5. BETWEEN BARS SHOWN, PROVIDE TYPICAL WALL REINF. PER PLANS
6. SEE LINTEL SCHEDULE, 2/S-601.

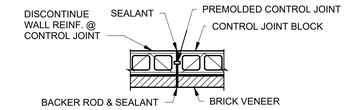
NOTE:

1. IF FULL LENGTH IS NOT AVAILABLE, EXTEND AS FAR AS POSSIBLE, HOOK 90 DEGREES, THEN EXTEND. BEYOND BEND, REMAINDER OF LENGTH REQ'D (NOT LESS THAN 12").

1 TYPICAL MASONRY WALL REINFORCEMENT LAYOUT

SCALE: N.T.S.



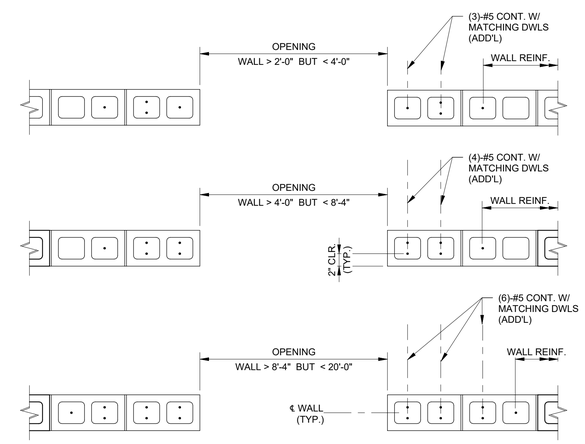


NOTES:

1. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR VENEER TIES.
2. ALIGN CONTROL JOINTS IN VENEER AND BACKUP.
3. JOINTS SHALL BE SPACED AT NO GREATER THAN 18'-0" O.C.

2 TYPICAL MASONRY CONTROL JOINT

SCALE: N.T.S.

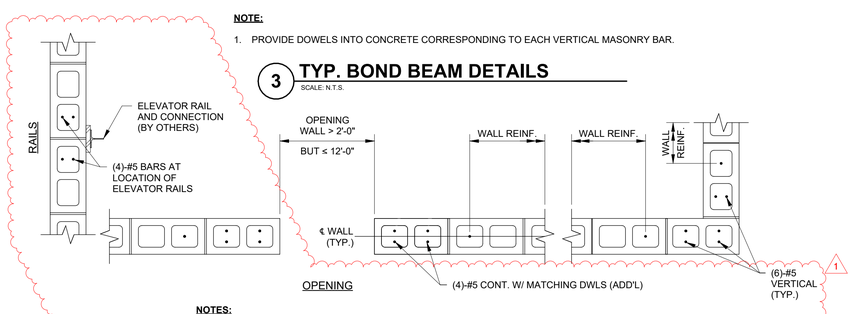


NOTE:

1. PROVIDE DOWELS INTO CONCRETE CORRESPONDING TO EACH VERTICAL MASONRY BAR.

4 TYPICAL CMU OPENING ADDITIONAL REINF. DETAIL

SCALE: N.T.S.



NOTE:

1. PROVIDE DOWELS INTO CONCRETE CORRESPONDING TO EACH VERTICAL MASONRY BAR.

3 TYP. BOND BEAM DETAILS

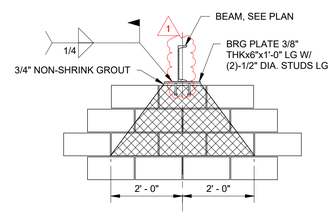
SCALE: N.T.S.

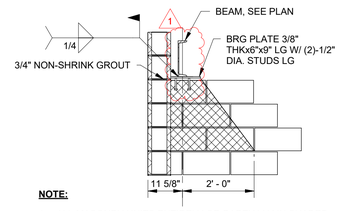
NOTES:

1. PROVIDE (6)-#5 BARS AT EACH CORNER FOR EACH DIRECTION AND (4)-#5 BARS AT EACH DOOR OPENING.
2. TYPICAL WALL REINFORCEMENT SHALL BE #5@24" ON CENTER UNLESS NOTED OTHERWISE.
3. SHAFT WALLS SHALL BE FULLY GROUTED WITH (2)-#5 HORIZONTALS AT 4'-0" O.C. LOCATE HORIZONTAL BARS AT TOP AND BOTTOM OF ALL OPENINGS.
4. PROVIDE DOWELS INTO CONCRETE CORRESPONDING TO EACH VERTICAL MASONRY BAR.
5. PROVIDE CLEAR HOISTWAY TO THE DIMENSIONS SHOWN ON PLAN, PLUMB WITHIN 1/2" TO 1" TOTAL. HOISTWAY SHOWN IS MINIMUM, ANY OUT OF PLUMB CONDITION MUST NOT ENCROACH ON HOISTWAY SIZE ENVELOPE FROM TOP TO BOTTOM.
6. OPENINGS TO BE CONSTRUCTED TO ROUGH OPENING REQUIREMENTS PER ELEVATOR MANUFACTURER AND FILLED IN BY TOOTHING CMU AFTER DOOR FRAMES AND SILLS ARE INSTALLED.

5 TYPICAL ELEVATOR SHAFT CMU REINFORCEMENT

SCALE: N.T.S.



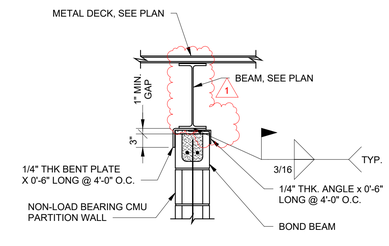


NOTE:

1. ALL MASONRY UNITS ENTIRELY OR PARTIALLY IN SHADED AREA SHALL BE GROUT FILLED HOLLOW CORE BLOCK.

6 TYPICAL BEAM BEARING ON MASONRY WALL

SCALE: N.T.S.



7 TYP. NON-LOAD BEARING CMU SUPPORT AT PARALLEL BEAM

SCALE: N.T.S.

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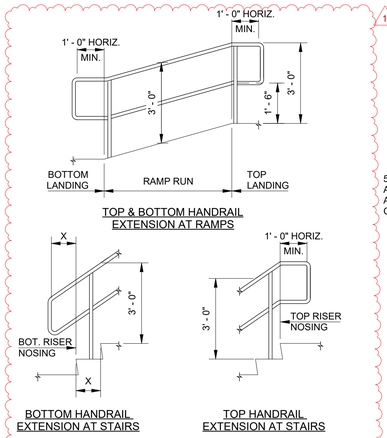
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	JNK
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
MASONRY TYPICAL DETAILS

DRAWING NUMBER:
S-911

SHEET 29 OF 62

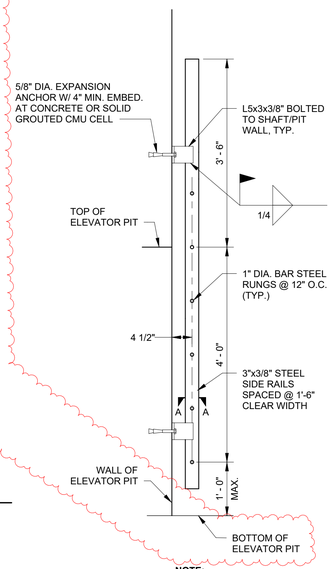


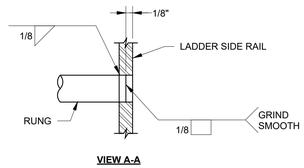
NOTES:

1. HANDRAIL EXTENSIONS SHALL COMPLY WITH ALL REQUIREMENTS OF 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN SECTION 505.10.
2. HANDRAILS SHALL BE A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES.
3. X = TREAD DEPTH

1 TYPICAL HANDRAIL EXTENSION DETAILS

SCALE: N.T.S.



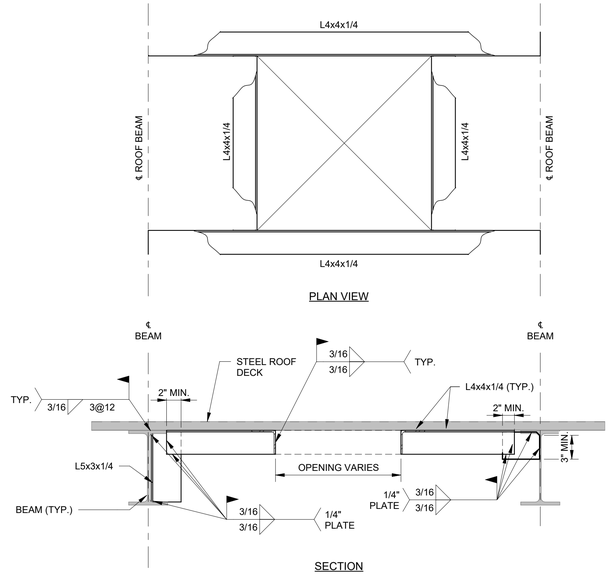


NOTE:

1. ALL STEEL AND FASTENERS SHALL BE HOT DIPPED GALVANIZED.

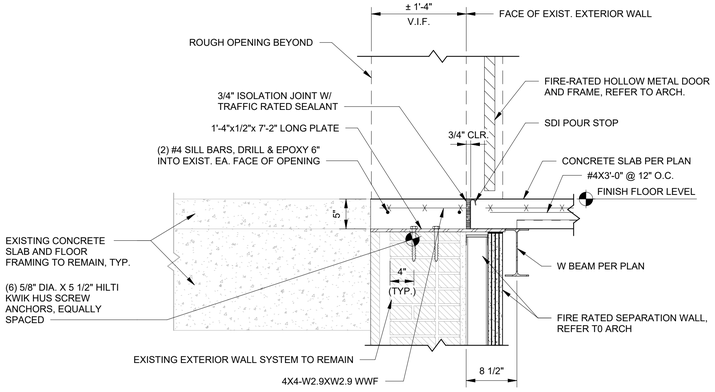
2 LADDER SECTION

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



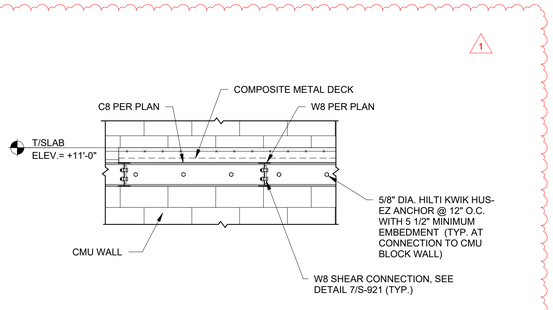
3 TYPICAL FRAMING AT ROOF OPENINGS IN DECK

SCALE: N.T.S.



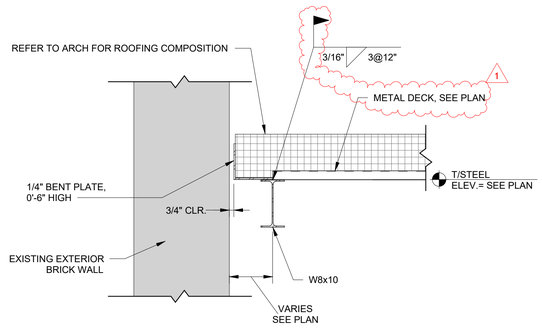
4 TYP. SILL AT INTERIOR DOOR

SCALE: N.T.S.



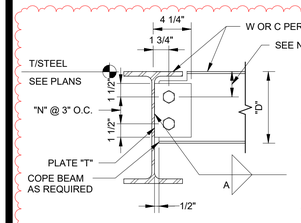
5 W8 TO C8 CONNECTION

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



6 TYP. ROOF TO EXISTING

SCALE: N.T.S.



NOTES:

1. ALL BOLTS SHALL BE 3/4" DIA. A325-N UNLESS OTHERWISE NOTED
2. PROVIDE A MINIMUM NUMBER OF BOLT ROWS "N" SHOWN AS THE TYPICAL CONNECTION.
3. MINIMUM DISTANCE FROM CENTERLINE OF TOP OF BOLT TO TOP OF STEEL SHALL BE 3". WHERE DEEP COPES ARE REQUIRED INCREASE DISTANCE FROM TOP OF BEAM TO CENTERLINE OF TOP BOLT.
4. USE OF HORIZONTAL SLOTTED HOLES IS NOT ALLOWED.

SHEAR PLATE BEAM CONNECTION SCHEDULE WITH 3/4" DIA. BOLTS

NOMINAL BEAM DEPTH "D"	MIN. NO. OF BOLT ROWS "N"	PLATE THICKNESS "T"	WELD SIZE "A"
W8	2	5/16"	1/4

7 SHEAR DETAIL

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

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

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TITLE:

REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:

STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	JNK
DRAWN BY:	SNP
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

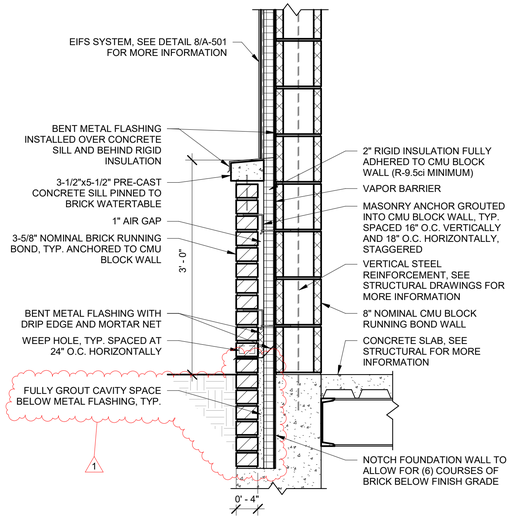
STEEL TYPICAL DETAILS

DRAWING NUMBER:

S-921

SHEET 30 OF 62

WALL TYPES:



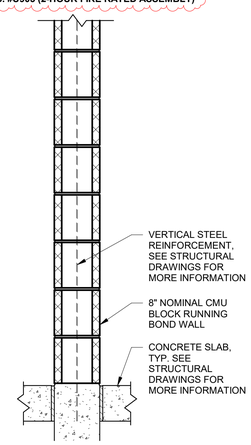
1 WALL TYPE 1 (EXTERIOR WALL)

SCALE: 1" = 1'-0"

NOTE: BRICK WATERLINE AT FIRST FLOOR LEVEL ONLY.

UL DES. #U905 (2-HOUR FIRE RATED ASSEMBLY)

1

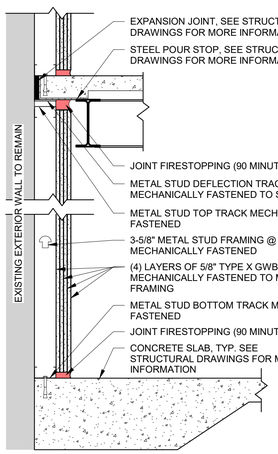


2 WALL TYPE 2 (INTERIOR PARTITION)

SCALE: 1" = 1'-0"

UL DES. #U905 (2-HOUR FIRE RATED ASSEMBLY)

1



3 WALL TYPE 3 (SEPARATION WALL)

SCALE: 1" = 1'-0"

UL DES. #V497 (2-HOUR SMOKE AND FIRE RATED ASSEMBLY)

DOOR SCHEDULE

NUMBER	TYPE	MATERIAL	SIZE	THICKNESS	FINISH	HARDWARE	FIRE RATING	R-VALUE	GLASS	FRAME MATERIAL	FRAME FINISH	COMMENTS
1-1	A-1	HOLLOW METAL	72" x 84"	0' - 2"	PAINTED	2	90 MINUTE	N/A	N/A	HOLLOW METAL	PAINTED	SMOKE CONTROL DOOR / FRAME ASSEMBLY
1-2	B-1	INSULATED HOLLOW METAL	72" x 84"	0' - 2"	PAINTED	3	90 MINUTE	R-10	TEMPERED	INSULATED HOLLOW METAL	PAINTED	
1-3	A	HOLLOW METAL	36" x 84"	0' - 2"	PAINTED	1	90 MINUTE	N/A	N/A	HOLLOW METAL	PAINTED	
1-4	B	INSULATED HOLLOW METAL	72" x 84"	0' - 2"	PAINTED	3	90 MINUTE	R-10	TEMPERED	INSULATED HOLLOW METAL	PAINTED	
1-5	A	HOLLOW METAL	36" x 84"	0' - 2"	PAINTED	4	N/A	N/A	N/A	HOLLOW METAL	PAINTED	
2-1	A-1	HOLLOW METAL	72" x 84"	0' - 2"	PAINTED	2	90 MINUTE	N/A	N/A	HOLLOW METAL	PAINTED	SMOKE CONTROL DOOR / FRAME ASSEMBLY
2-2	A	HOLLOW METAL	36" x 84"	0' - 2"	PAINTED	1	90 MINUTE	N/A	N/A	HOLLOW METAL	PAINTED	
B-1	A-1	HOLLOW METAL	72" x 84"	0' - 2"	PAINTED	2	90 MINUTE	N/A	N/A	HOLLOW METAL	PAINTED	SMOKE CONTROL DOOR / FRAME ASSEMBLY
B-2	A	HOLLOW METAL	36" x 84"	0' - 2"	PAINTED	4	90 MINUTE	N/A	N/A	HOLLOW METAL	PAINTED	
B-3	A	HOLLOW METAL	36" x 84"	0' - 2"	PAINTED	1	90 MINUTE	N/A	N/A	HOLLOW METAL	PAINTED	
B-4	C	N/A (CASED OPENING)	48" x 84"		N/A	N/A	90 MINUTE	N/A	N/A	STAINLESS STEEL	POLISHED	
E-0	C	N/A (CASED OPENING)	48" x 84"		N/A	N/A	90 MINUTE	N/A	N/A	STAINLESS STEEL	POLISHED	CASED OPENING FOR ELEVATOR
E-1	C	N/A (CASED OPENING)	48" x 84"		N/A	N/A	90 MINUTE	N/A	N/A	STAINLESS STEEL	POLISHED	CASED OPENING FOR ELEVATOR
E-2	C	N/A (CASED OPENING)	48" x 84"		N/A	N/A	90 MINUTE	N/A	N/A	STAINLESS STEEL	POLISHED	CASED OPENING FOR ELEVATOR

DOOR NOTES:

1. ALL DOOR HARDWARE SHALL BE ADA COMPLIANT.
2. ALL DOOR FRAMES WILL HAVE A CONTINUOUS BEAD OF SEALANT WHERE THE FRAME MEETS THE OTHER CONSTRUCTION MATERIAL.
3. ALL DOOR HARDWARE SHALL BE REVIEWED AND COORDINATED WITH THE DIRECTOR'S REPRESENTATIVE PRIOR TO ORDERING.
4. ALL EXTERIOR DOORS SHALL HAVE CONTINUOUS WEATHER STRIPPING.
5. ALL DOOR LOCK AND LATCH SETS SHALL BE KEYED TO MATCH FACILITY MASTER KEYING SYSTEM.
6. MEANS OF EGRESS SHALL BE MAINTAINED AND UNOBSTRUCTED AT ALL TIMES.
7. ALL FIRE RATED DOORS WILL BE IN ACCORDANCE WITH NFPA 252. 1
8. ALL DOOR CLOSERS SHALL BE THE FACILITY STANDARD. SEE DOOR HARDWARE SPECIFICATION FOR MORE INFORMATION.
9. PERMANENTLY INSTALL VISIBLE RATING LABEL IN ACCORDANCE WITH BCNYS TABLE 716.1(1) FOR ALL FIRE RATED GLAZING IN DOORS.

DOOR HARDWARE NOTES:

HARDWARE SET #1

3 HINGES	3CB1 4 1/2 x 4 1/2 NRP SEC	630
1 PUSH / PULL PLATE		68
1 CLOSER	8916 AF89P FMC SN1 TX89	68
1 PANIC BAR		
3 SILENCERS PER DOOR		

HARDWARE SET #2

1 ELECTRIC CONTINUOUS HINGE	TWP 83" SECHM	630
1 ELECTRIC LEVER LATCH SET	PASSAGE FUNCTION	629
1 ELECTRIC DOOR OPERATOR	SURFACE-MOUNTED	630
1 PANIC BAR		
3 SILENCERS PER DOOR		

NOTE: COORDINATE PREP AND INSTALLATION OF ELECTRIFIED DOOR HARDWARE WITH ASSOCIATED ACCESSIBILITY PUSH BUTTONS AND ANCILLARY HARDWARE. ENSURE ADEQUATE POWER IS PROVIDED FOR ALL ELECTRIFIED DOOR HARDWARE PRIOR TO ORDERING MATERIALS AND NOTIFY THE DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES.

HARDWARE SET #3

1 ELECTRIC CONTINUOUS HINGE	TWP 83" SECHM	630
1 ELECTRIC LEVER LATCH SET	ENTRANCE FUNCTION	629
1 ELECTRIC DOOR OPERATOR	SURFACE-MOUNTED	630
1 PANIC BAR		
1 THRESHOLD		
3 SILENCERS PER DOOR		
1 WEATHER SEAL PACKAGE FOR EXTERIOR DOORS		

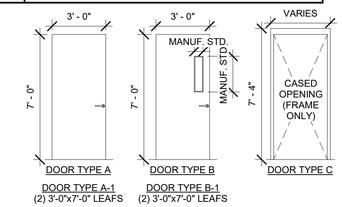
NOTE: COORDINATE PREP AND INSTALLATION OF ELECTRIFIED DOOR HARDWARE WITH ASSOCIATED ACCESSIBILITY PUSH BUTTONS AND ANCILLARY HARDWARE. ENSURE ADEQUATE POWER IS PROVIDED FOR ALL ELECTRIFIED DOOR HARDWARE PRIOR TO ORDERING MATERIALS AND NOTIFY THE DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES.

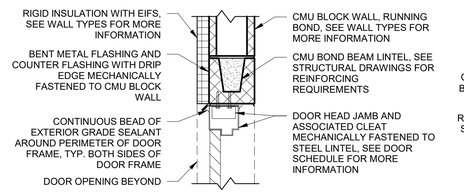
HARDWARE SET #4

3 HINGES	3CB1 4 1/2 x 4 1/2 NRP SEC	630
1 LEVER LATCH SET	STORAGE FUNCTION	629
1 CLOSER	8916 AF89P FMC SN1 TX89	68
3 SILENCERS PER DOOR		

DOOR BASIS OF DESIGN:

1-1 CECO DOOR / 450 MEDALLION (TEMPERATURE RISE) / 1-3/4" / RHR / 18 GAUGE / HEAVY DUTY
1-2 CECO DOOR / LEGION (POLYSTYRENE) / 1-3/4" / LHR / 18 GAUGE / HEAVY DUTY
1-3 CECO DOOR / 450 MEDALLION (TEMPERATURE RISE) / 1-3/4" / RHR / 18 GAUGE / HEAVY DUTY
1-4 CECO DOOR / LEGION (POLYSTYRENE) / 1-3/4" / RHR / 18 GAUGE / HEAVY DUTY
1-5 CECO DOOR / REGENT / RH / 20 GAUGE / STANDARD DUTY
2-1 CECO DOOR / 450 MEDALLION (TEMPERATURE RISE) / 1-3/4" / RHR / 18 GAUGE / HEAVY DUTY
2-2 CECO DOOR / 450 MEDALLION (TEMPERATURE RISE) / 1-3/4" / LHR / 18 GAUGE / HEAVY DUTY
B-1 CECO DOOR / 450 MEDALLION (TEMPERATURE RISE) / 1-3/4" / RHR / 18 GAUGE / HEAVY DUTY
B-2 CECO DOOR / 450 MEDALLION (TEMPERATURE RISE) / 1-3/4" / RH / 18 GAUGE / HEAVY DUTY
B-3 CECO DOOR / 450 MEDALLION (TEMPERATURE RISE) / 1-3/4" / LHR / 18 GAUGE / HEAVY DUTY
E-0 CECO DOOR / SERIES SSC (CASED OPENING) / NH / 14 GAUGE / HEAVY DUTY
E-1 CECO DOOR / SERIES SSC (CASED OPENING) / NH / 14 GAUGE / HEAVY DUTY
E-2 CECO DOOR / SERIES SSC (CASED OPENING) / NH / 14 GAUGE / HEAVY DUTY
1

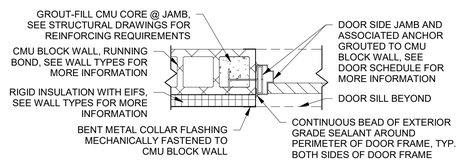




4 TYPICAL DOOR HEAD JAMB DETAIL (MASONRY WALL)

SCALE: 1" = 1'-0"

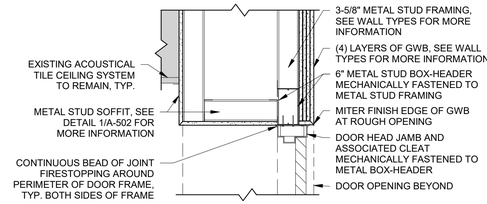
NOTE: DETAIL SIMILAR AT INTERIOR MASONRY WALLS.



5 TYPICAL DOOR SIDE JAMB DETAIL (MASONRY WALL)

SCALE: 1" = 1'-0"

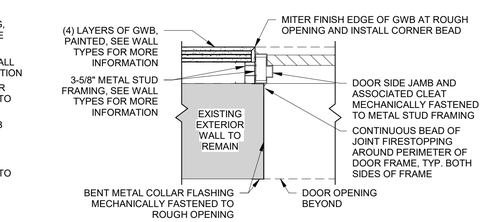
NOTE: DETAIL SIMILAR AT INTERIOR MASONRY WALLS.



6 TYPICAL DOOR HEAD JAMB DETAIL (SEPARATION WALL)

SCALE: 1" = 1'-0"

NOTE: 120 MINUTE FIRE-RATED DOOR/WALL ASSEMBLY.



7 TYPICAL DOOR SIDE JAMB DETAIL (SEPARATION WALL)

SCALE: 1" = 1'-0"

NOTE: 120 MINUTE FIRE-RATED DOOR/WALL ASSEMBLY.

WINDOW SCHEDULE

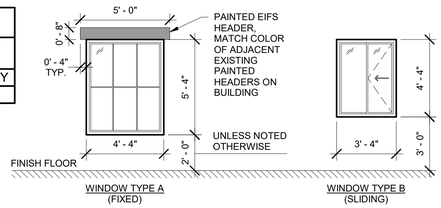
NUMBER	WINDOW TYPE	FRAME MATERIAL	SIZE	SILL HEIGHT	FRAME THICKNESS	FINISH	RATING	GLASS TYPE	DETAILS	COUNT	REMARKS
A	FIXED	STEEL	64"x52"	<varies>	5"	PAINTED	120 MINUTE	TEMPERED	8,9,10/A-001	6	MUNTIN SIZE BY MANUF., SPACE EVENLY
B	SLIDING	STEEL	36" x 48"	3' - 0"	3"	PAINTED	N/A	CLEAR	8,9,10/A-001	1	

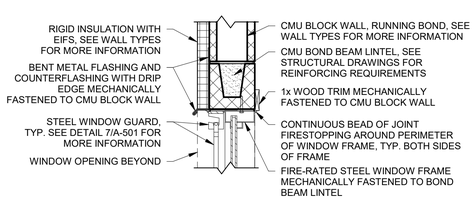
WINDOW NOTES:

1. INSTALL ALL FIRE RATED WINDOWS IN ACCORDANCE WITH NFPA 257.
2. INSTALL ALL WINDOWS CENTERED IN ASSOCIATED ROUGH OPENING.
3. ALL WINDOWS INSTALLED IN FIRE-RATED WALL ASSEMBLIES WILL HAVE A CONTINUOUS BEAD OF JOINT FIRESTOPPING AROUND THE PERIMETER OF THE WINDOW IN LIEU OF JOINT SEALANT.
4. PERMANENTLY INSTALL VISIBLE RATING LABEL IN ACCORDANCE WITH BCNYS TABLE 716.1(3) FOR ALL FIRE RATED GLAZING IN WINDOWS.

WINDOW BASIS OF DESIGN:

A TECHNICAL GLASS PRODUCTS (TGP) / FIREFRAMES HEAT BARRIER SERIES / FIXED / STEEL FRAME / INSULATED
B FYRE-TEC / SERIES 900N / HORIZONTAL SLIDER / STEEL FRAME / NON-INSULATED

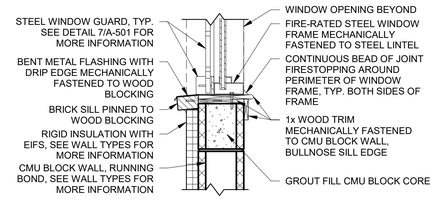




8 TYPICAL WINDOW HEAD JAMB DETAIL

SCALE: 1" = 1'-0"

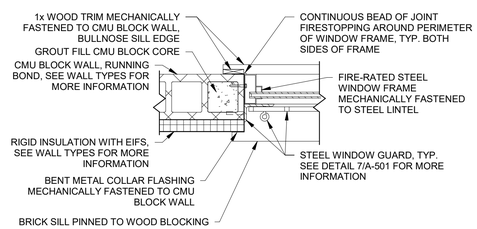
NOTES:
1. STEEL WINDOW GUARDS AT FIRST FLOOR EXTERIOR WINDOWS ONLY.
2. DETAIL SIMILAR FOR INTERIOR WINDOWS IN MASONRY WALLS.



9 TYPICAL WINDOW SILL JAMB DETAIL

SCALE: 1" = 1'-0"

NOTES:
1. STEEL WINDOW GUARDS AT FIRST FLOOR EXTERIOR WINDOWS ONLY.
2. DETAIL SIMILAR FOR INTERIOR WINDOWS IN MASONRY WALLS.



10 TYPICAL WINDOW SIDE JAMB DETAIL

SCALE: 1" = 1'-0"

NOTES:
1. STEEL WINDOW GUARDS AT FIRST FLOOR EXTERIOR WINDOWS ONLY.
2. DETAIL SIMILAR FOR INTERIOR WINDOWS IN MASONRY WALLS.

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

MJ Engineering Architecture Landscape Architecture and Land Surveying, P.C.

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:
CONSTRUCTION

TITLE:
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1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

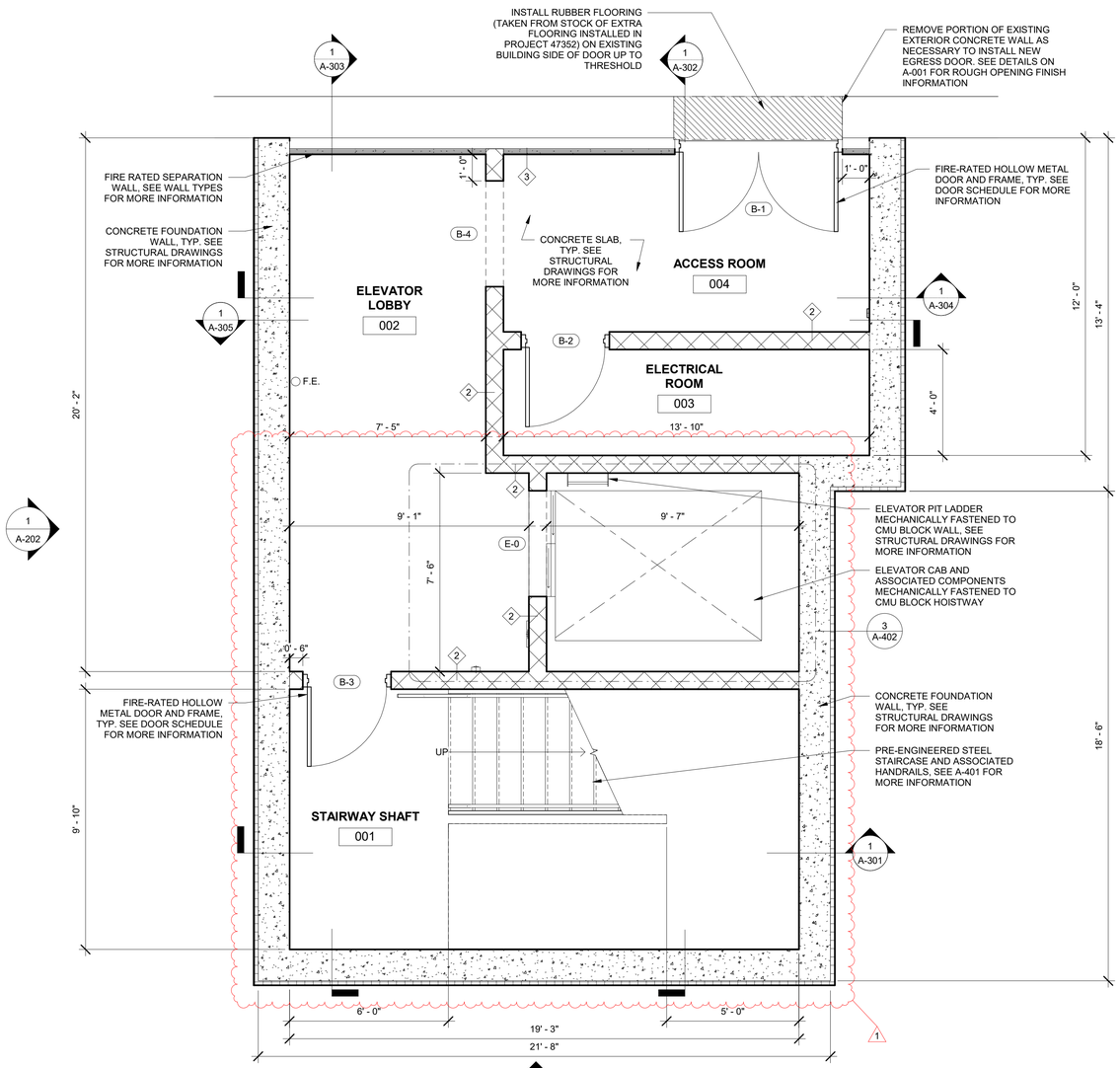
SHEET TITLE:
SCHEDULES, WALL TYPES AND DETAILS

DRAWING NUMBER:
A-001

SHEET 31 OF 62

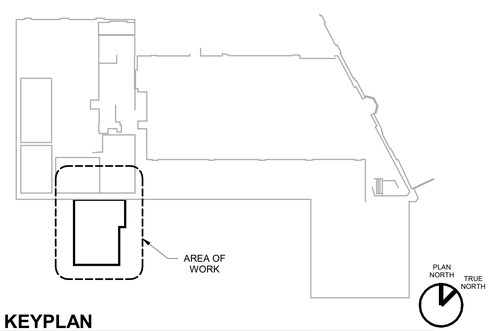
CONSTRUCTION NOTES:

1. ALL DIMENSIONS SHALL BE FIELD VERIFIED. DO NOT SCALE DRAWINGS. INDICATED DIMENSION ARE TO FACE OF MATERIAL, FRAMING AND EDGE OF ITEMS UNLESS NOTED OTHERWISE.
2. MINOR ITEMS OF WORK SUCH AS CUTTING, BLOCKING, TRIMMING ETC. SHALL BE PERFORMED AS REQUIRED TO MAKE THE WORK COMPLETE WHETHER SHOWN OR NOTED ON THE CONTRACT DOCUMENTS OR NOT.
3. FOR ALL STRUCTURAL COMPONENTS, SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION.
4. THE CONTRACTOR SHALL CUT AND PATCH EXISTING CONSTRUCTION AS REQUIRED TO COMPLETE WORK.
5. THE CONTRACTOR SHALL RESTORE DAMAGED OR EXPOSED FINISHES OR PATCHED AREAS IN A MANNER WHICH ELIMINATES EVIDENCE OF PATCHING OR FINISHING.
6. CONTRACTOR TO INSTALL TEMPORARY MEASURES TO PREVENT WEATHER ENTRY INTO THE BUILDING DURING THE CONSTRUCTION PERIOD.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL MISC. STEEL REQUIRED FOR THE SUPPORT OF ANY EQUIPMENT.
8. CONTRACTOR TO FIRE SEAL ALL JOINTS AT RATED WALLS, FLOORS AND DECKS IMMEDIATELY UPON DISTURBANCE.
9. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED CONCRETE.
10. CONTRACTOR SHALL SEAL ALL SEAMS VOIDS, HOLES AND AROUND ANY UNSEALED PENETRATIONS IN EXTERIOR MATERIAL TO CREATE A WEATHER TIGHT EXTERIOR ENVELOPE.
11. CONTRACTOR SHALL INFILL ALL NON USED OPENING AND VOIDS IN EXISTING EXTERIOR MATERIAL TO REMAIN WITH MATERIAL TO MATCH EXISTING.



1 BASEMENT FLOOR PLAN

SCALE: 3/8" = 1'-0"



KEYPLAN

SCALE: 1/32" = 1'-0"

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DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

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	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

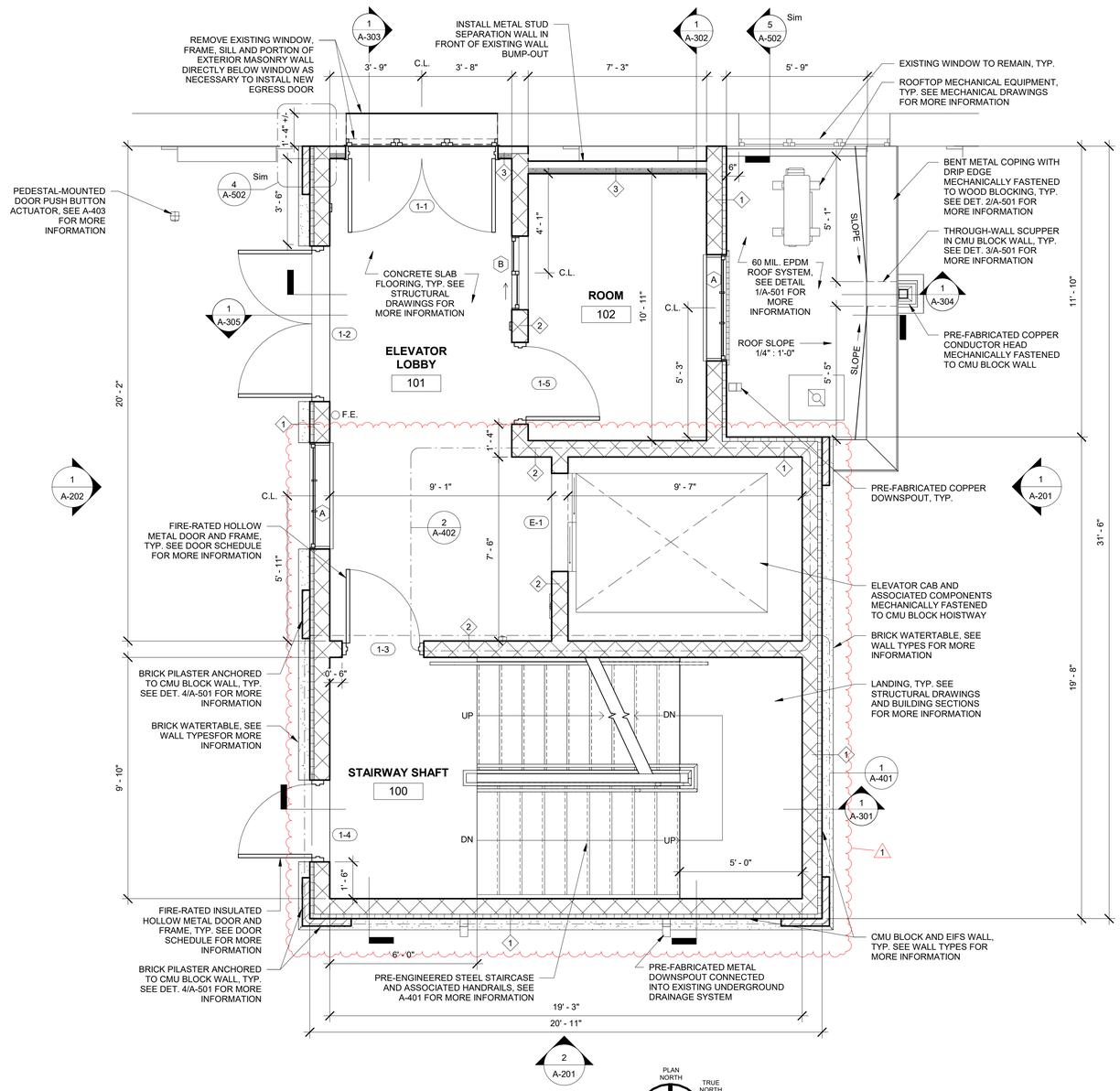
SHEET TITLE:

BASEMENT FLOOR PLAN

DRAWING NUMBER:

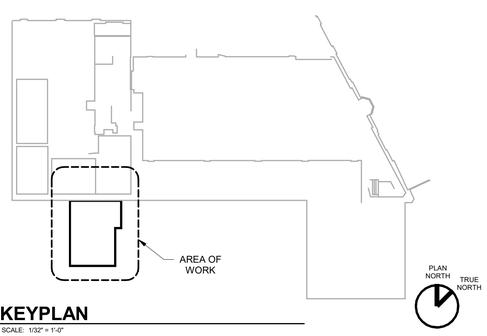
A-101

SHEET 32 OF 62



1 FIRST FLOOR PLAN

SCALE: 3/8" = 1'-0"



KEYPLAN

SCALE: 1/32" = 1'-0"

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	06/04/2025	BID DOCUMENT

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DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

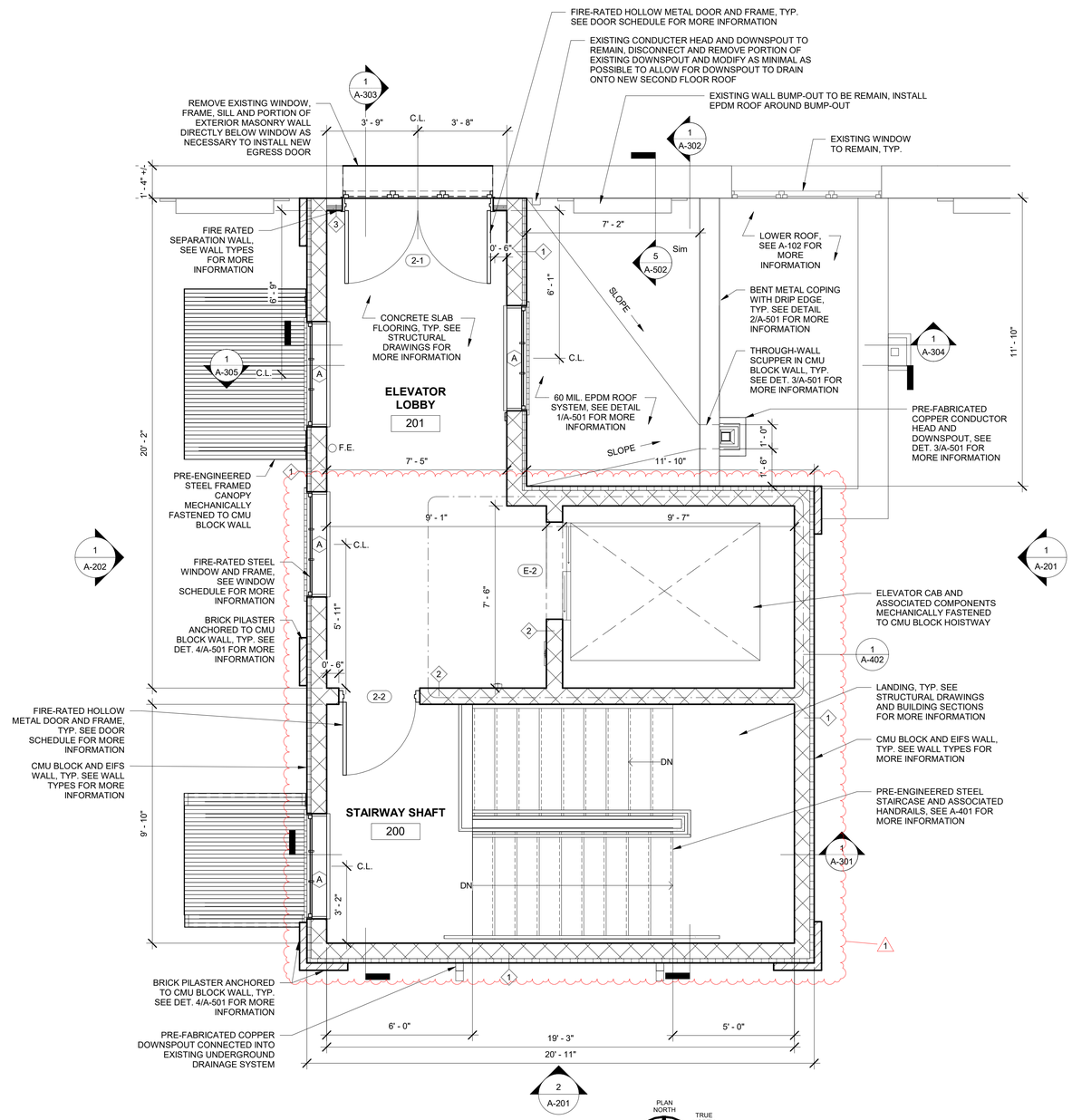
SHEET TITLE:

FIRST FLOOR PLAN

DRAWING NUMBER:

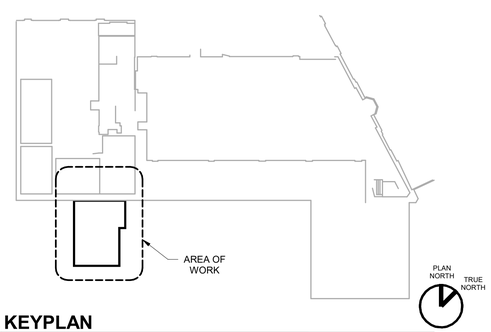
A-102

SHEET 33 OF 62



1 SECOND FLOOR PLAN

SCALE: 3/8" = 1'-0"



KEYPLAN

SCALE: 1/32" = 1'-0"

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DESIGN & CONSTRUCTION

CONSULTANT

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REGISTRATION EXPIRES 10.31.2026

CONTRACT: CONSTRUCTION

TITLE: REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION: STATE ARMORY 150-74 6TH AVENUE WHITESTONE, NY

CLIENT: DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

SHEET TITLE: SECOND FLOOR PLAN

DRAWING NUMBER: A-103

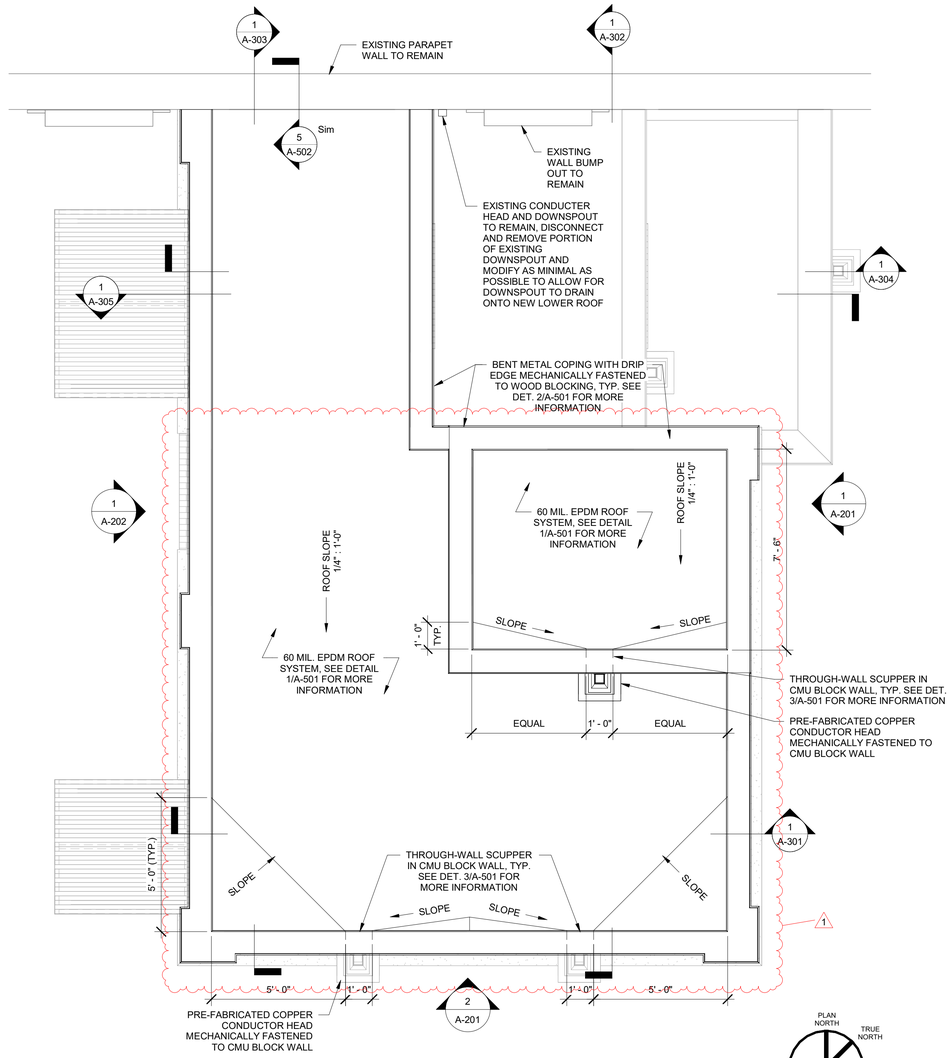
SHEET 34 OF 62

ROOF NOTES:

1. STOCKPILING NEW CONSTRUCTION MATERIAL ON THE EXISTING AND OR NEW ROOFING IS NOT PERMITTED.
2. ALL WOOD BLOCKING SHALL BE FIRE RETARDANT AND PRESSURE TREATED.
3. ALL ROOFING MATERIAL SHALL BE FROM ONE MANUFACTURER AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND RECOMMENDATIONS.
4. THE CONTRACTOR SHALL PROVIDE A MANUFACTURER'S WARRANTY OF 20 YEARS FOR THE ROOFING SYSTEM INSTALLED.
5. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE NEW ROOF SYSTEM WITH THE NEW ROOF SYSTEMS MANUFACTURER REPRESENTATIVE WHO SHALL INSPECT THE INSTALLATION OF THE NEW ROOF SYSTEM PER THE MANUFACTURERS REQUIREMENTS.
6. THE NEW ROOF SYSTEM SHALL MAINTAIN A MIN. ROOF PITCH OF 1/4" PER FOOT, PITCHING TO THE ROOF SCUPPERS UNLESS NOTED OTHERWISE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING OSHA REQUIREMENTS FOR FALL PROTECTION.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FINAL ROOF SYSTEM THAT IS WATER TIGHT. ALL WATER PENETRATIONS THROUGH THE NEW ROOF SYSTEM SHALL BE REPAIRED BY THE CONTRACTOR AT NO CHARGE TO THE DIRECTOR'S REPRESENTATIVE.
9. ALL NEW ROOF EQUIPMENT AND EQUIPMENT SUPPORTS SHALL NOT IMPEDE THE FLOW OF WATER ON THE ROOF TO THE ROOF DRAINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INCLUSION OF ROOF CRICKETS AROUND ALL NEW ROOF ITEMS THAT IMPEDE THE FLOW OF WATER ON THE ROOF TO THE ROOF SCUPPERS.

BASIS OF DESIGN:

1. CARLISLE / SURE-SEAL / FULLY ADHERED / 60 MIL. / COLOR - BLACK



2 ROOF PLAN

SCALE: 3/8" = 1'-0"

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

MJ Engineering Architecture Landscape Architecture and Land Surveying, P.C.

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CONTRACT:

CONSTRUCTION

TITLE:

REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:

STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

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	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

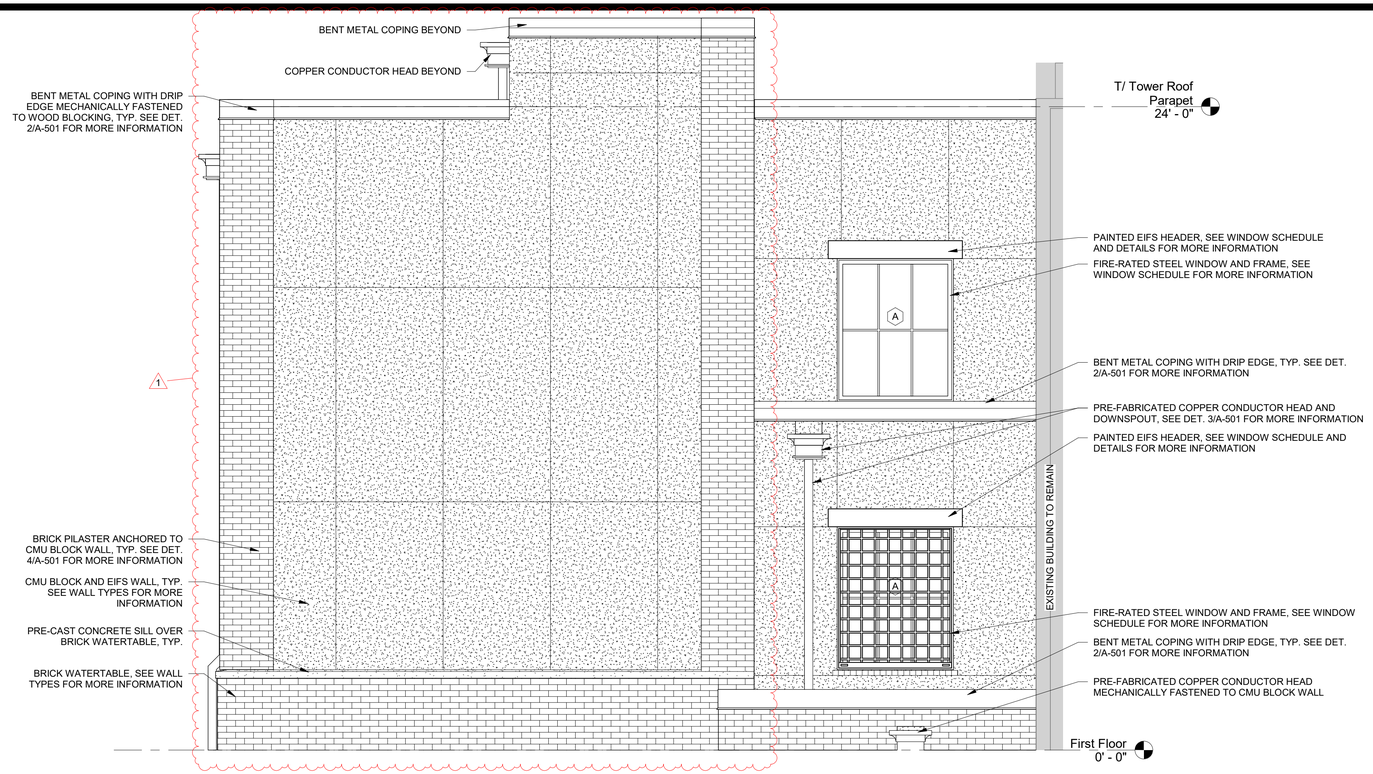
SHEET TITLE:

ROOF PLAN

DRAWING NUMBER:

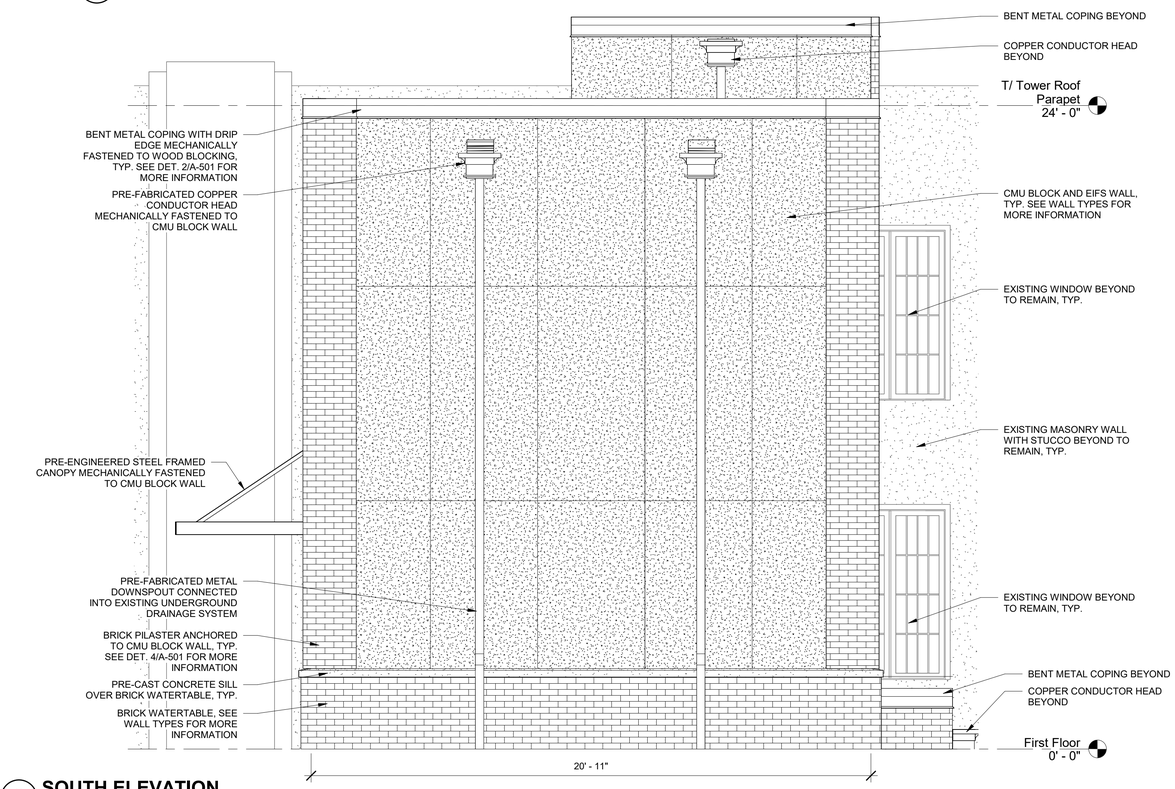
A-104

SHEET 35 OF 62



1 EAST ELEVATION

SCALE: 3/8" = 1'-0"



2 SOUTH ELEVATION

SCALE: 3/8" = 1'-0"

NEW YORK STATE | Office of General Services

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CONTRACT:

CONSTRUCTION

TITLE:

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LOCATION:

STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

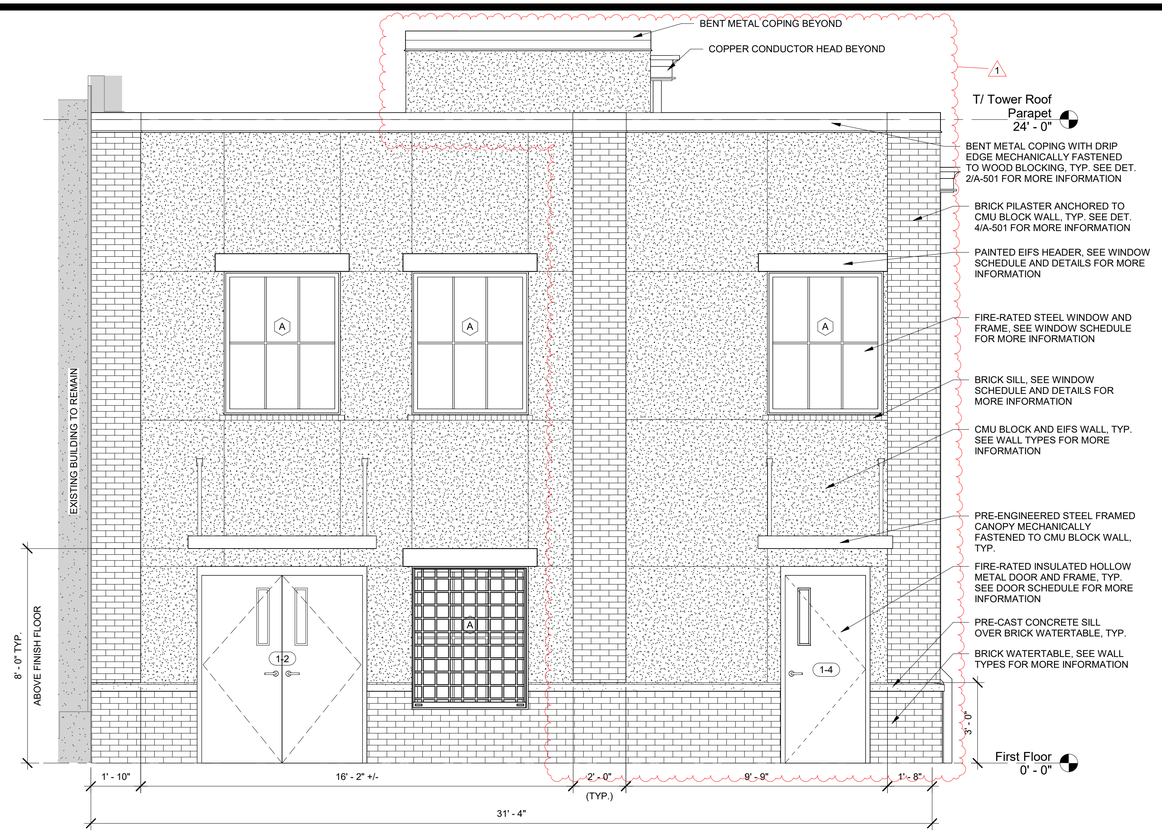
SHEET TITLE:

ELEVATIONS

DRAWING NUMBER:

A-201

SHEET 36 OF 62



1 WEST ELEVATION

SCALE: 3/8" = 1'-0"

Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:

CONSTRUCTION

TITLE:

REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:

STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

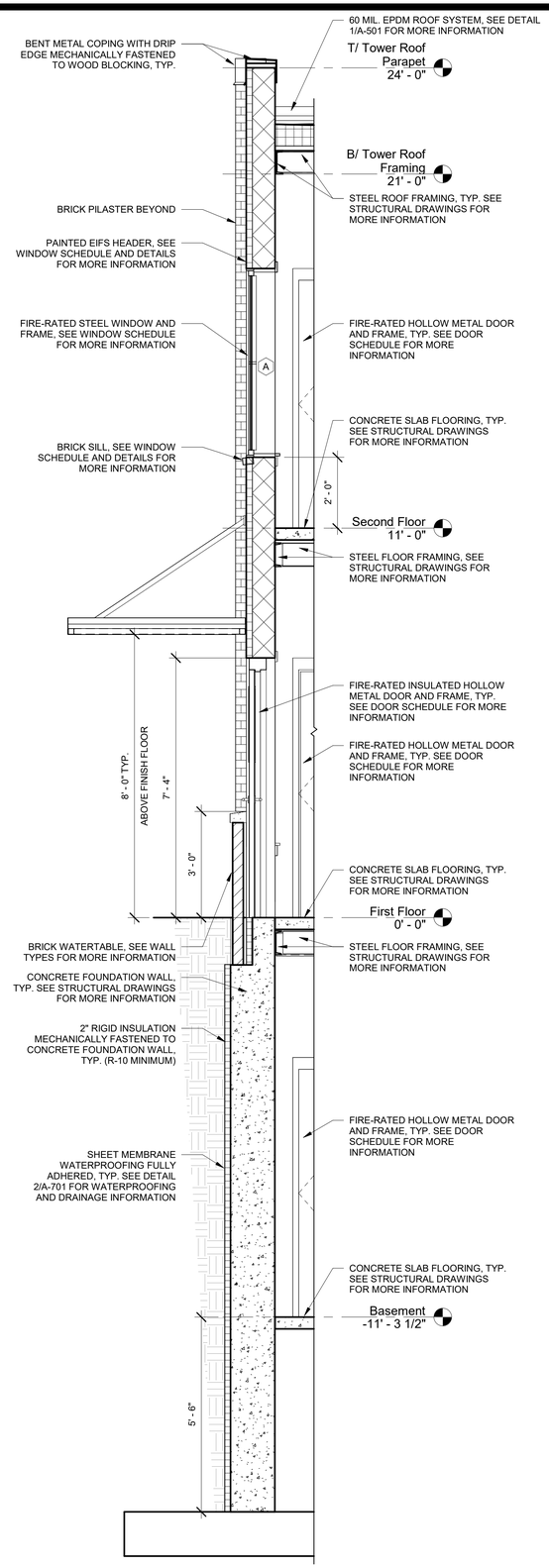
SHEET TITLE:

ELEVATIONS

DRAWING NUMBER:

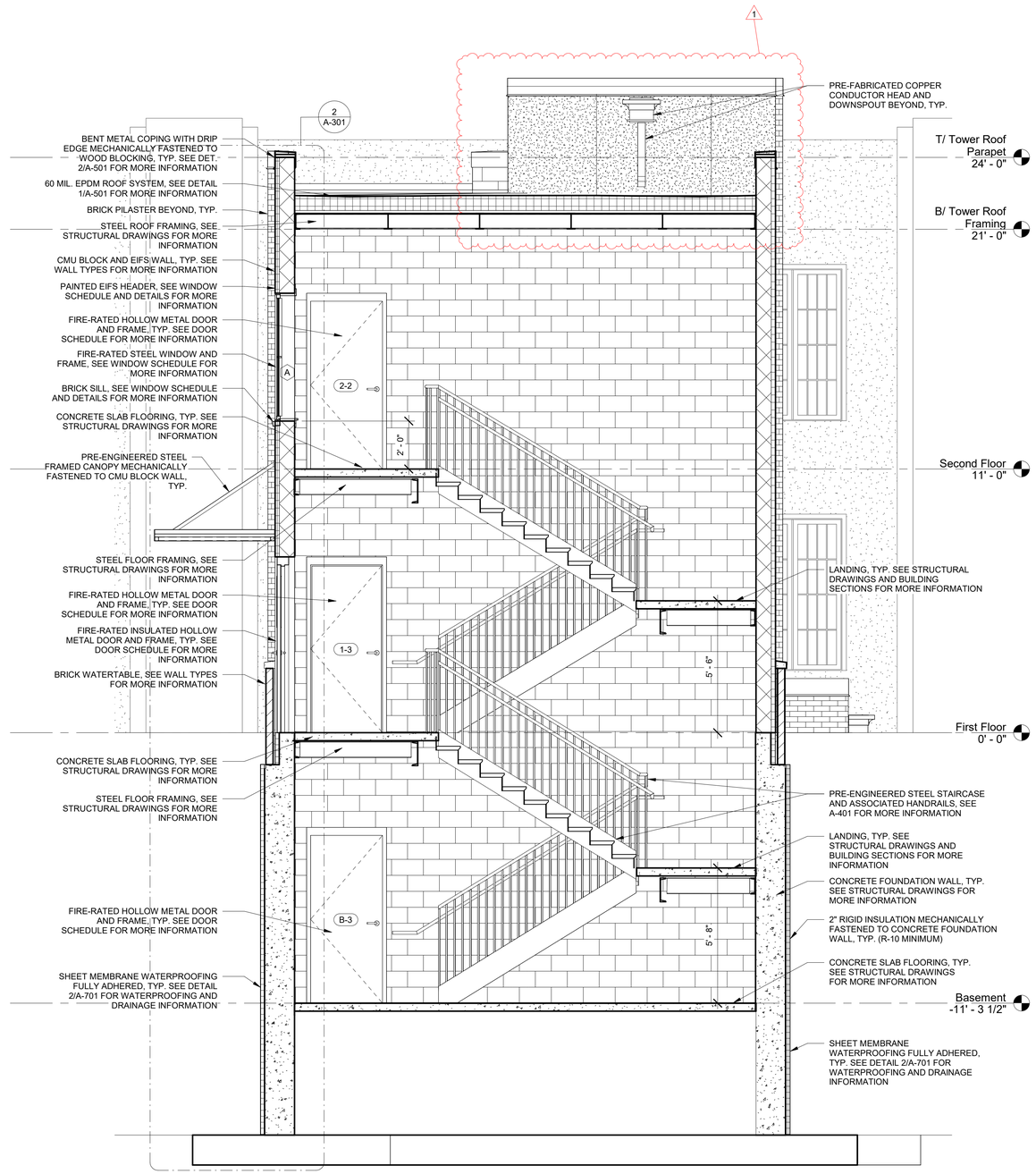
A-202

SHEET 37 OF 62



2 WALL SECTION - WEST

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



1 BUILDING SECTION

SCALE: 3/8" = 1'-0"

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DESIGN & CONSTRUCTION

CONSULTANT

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REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:

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150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

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PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

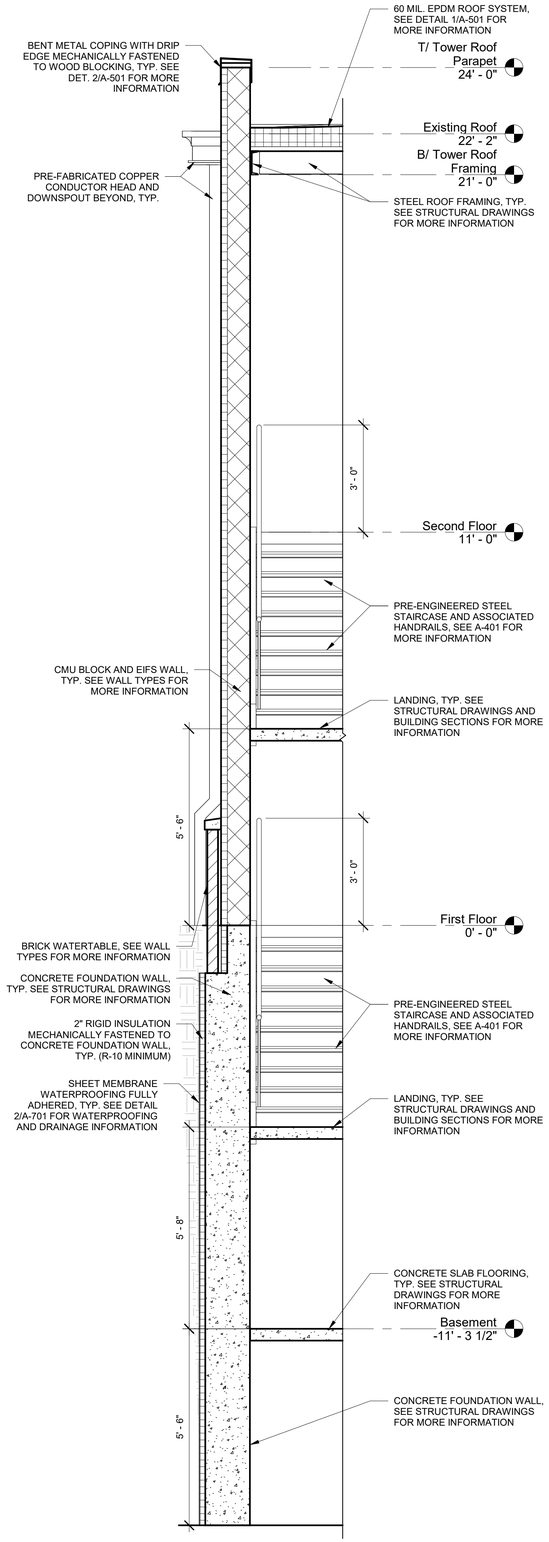
SHEET TITLE:

BUILDING AND WALL SECTIONS

DRAWING NUMBER:

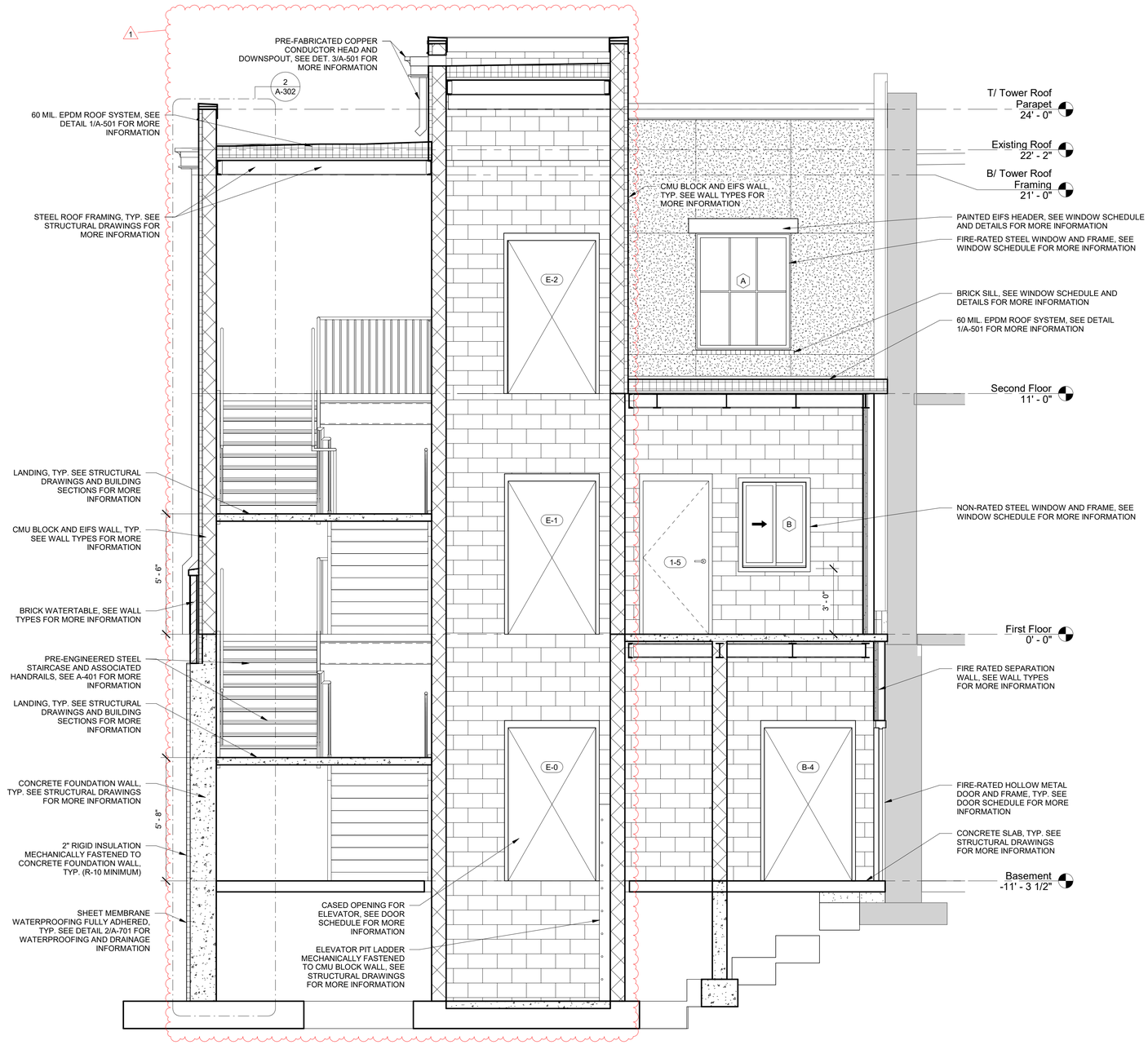
A-301

SHEET 38 OF 62



2 WALL SECTION - SOUTH

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



1 BUILDING SECTION

SCALE: 3/8" = 1'-0"

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PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

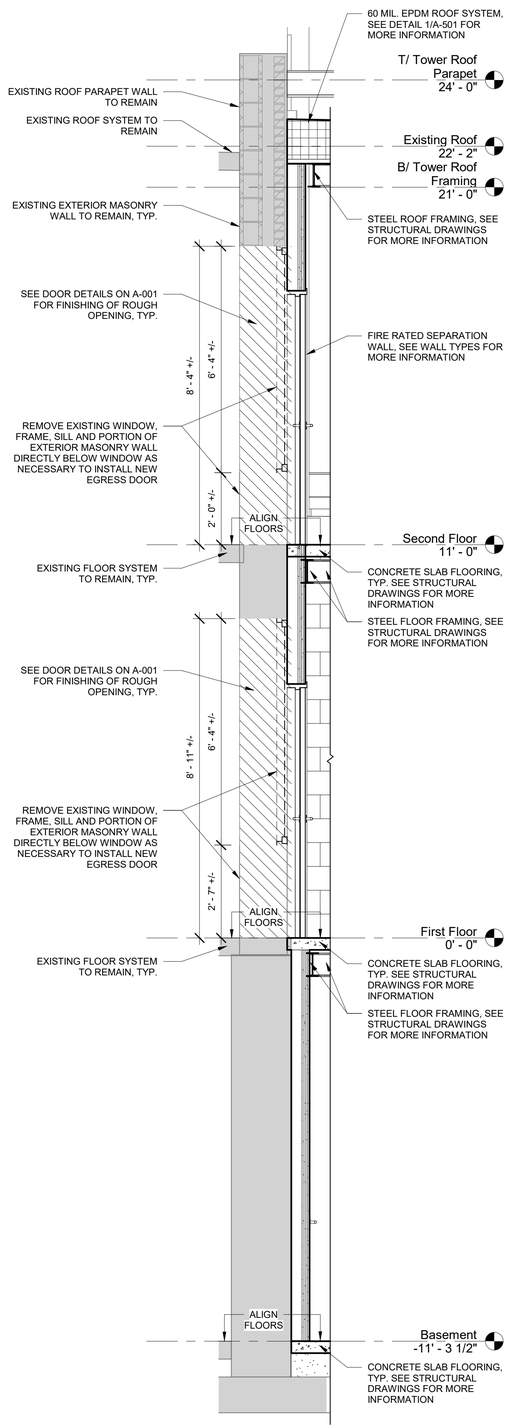
SHEET TITLE:

BUILDING AND WALL SECTIONS

DRAWING NUMBER:

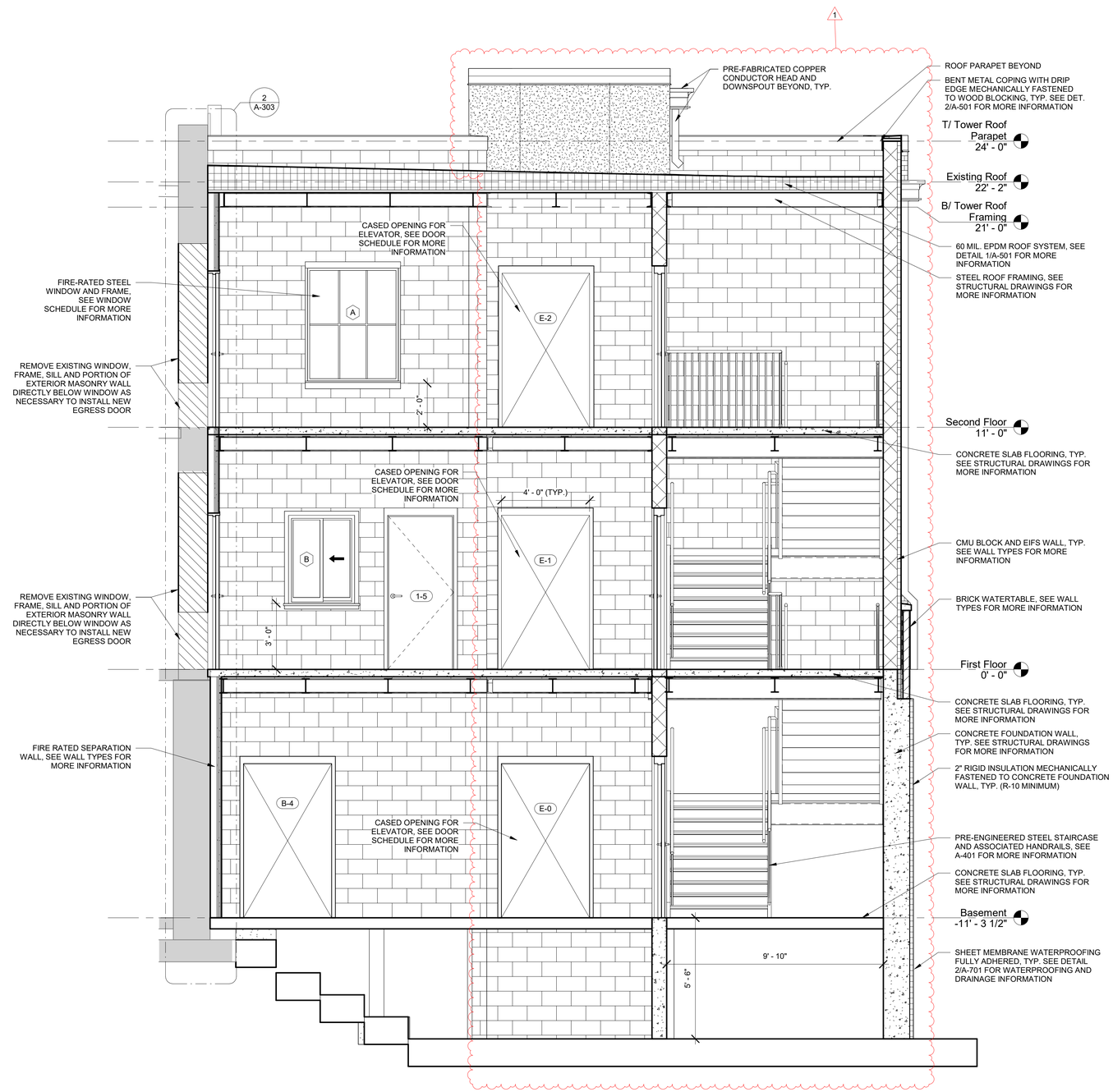
A-302

SHEET 39 OF 62



2 WALL SECTION - NORTH

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



1 BUILDING SECTION

SCALE: 3/8" = 1'-0"

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DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

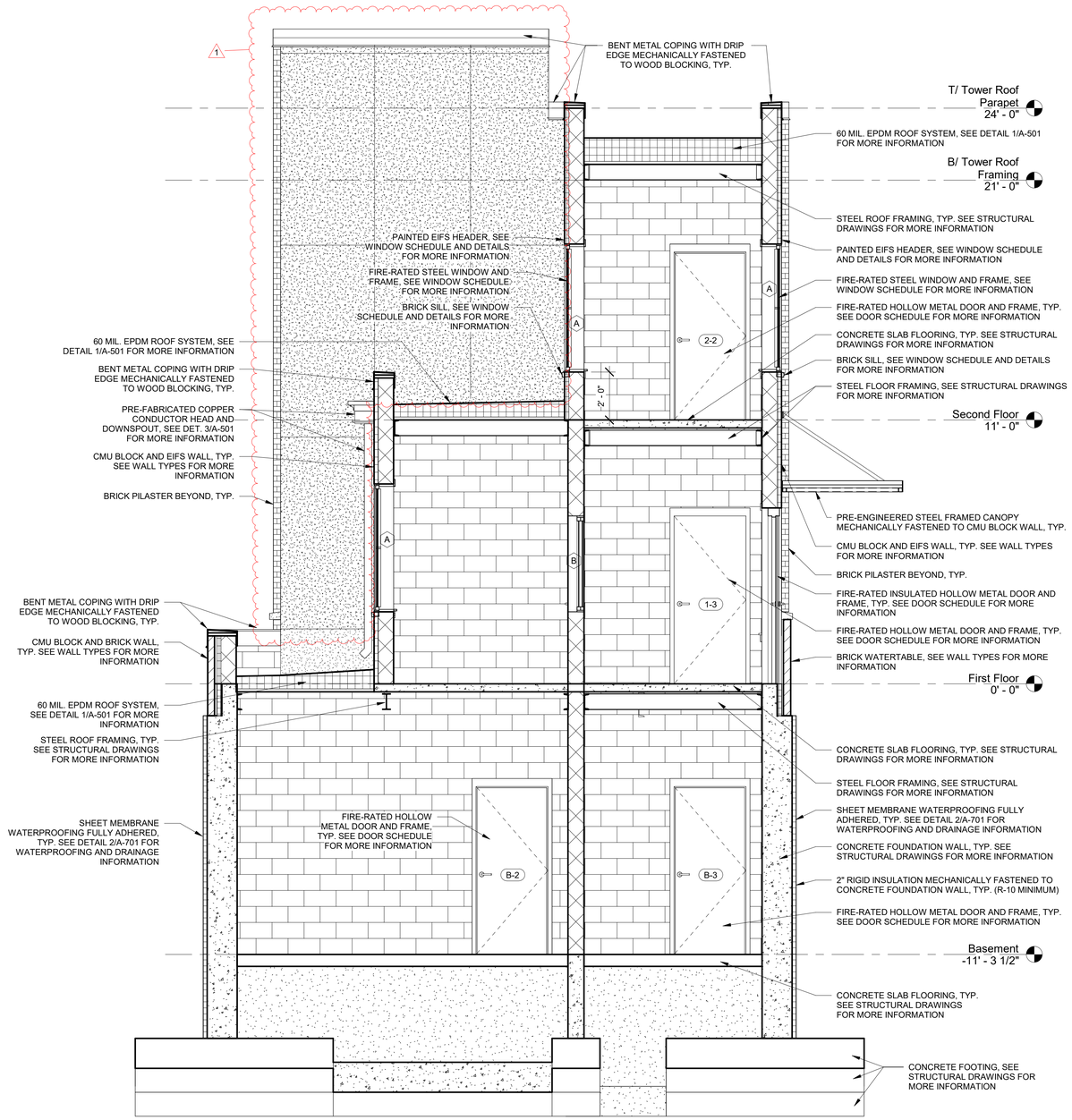
SHEET TITLE:

BUILDING AND WALL SECTIONS

DRAWING NUMBER:

A-303

SHEET 40 OF 62



1 BUILDING SECTION

SCALE: 3/8" = 1'-0"

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	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

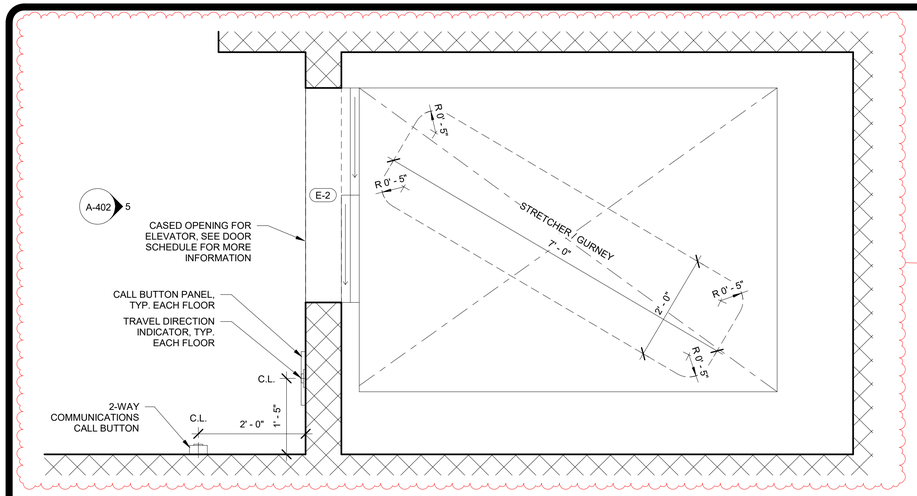
SHEET TITLE:

BUILDING SECTION

DRAWING NUMBER:

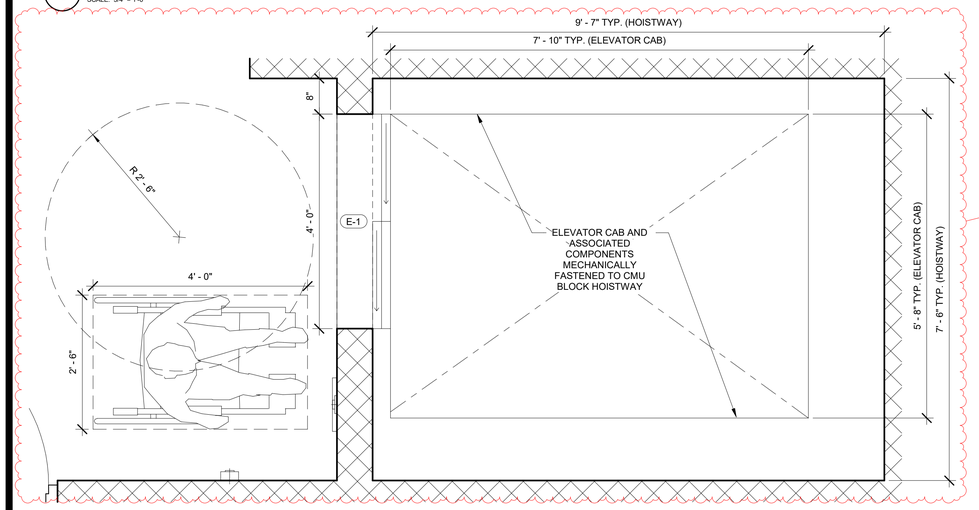
A-305

SHEET 42 OF 62



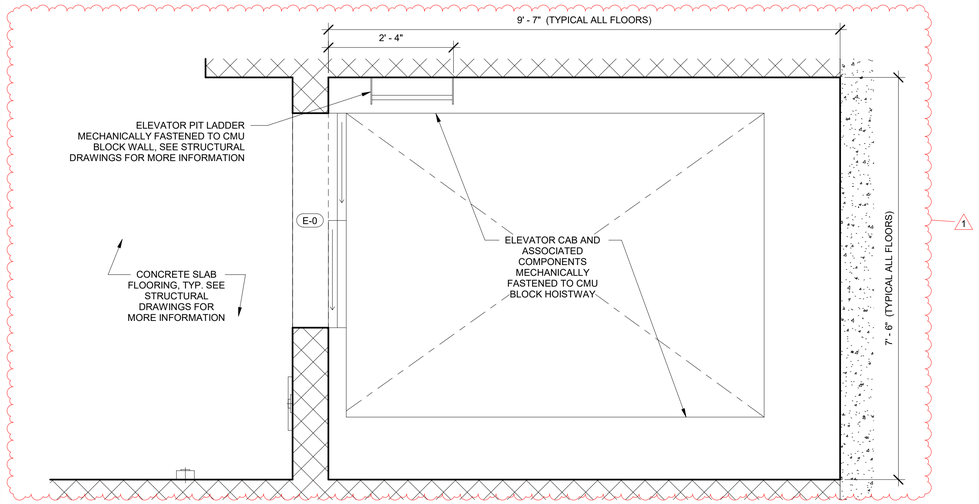
1 ENLARGED ELEVATOR PLAN - SECOND FLOOR

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



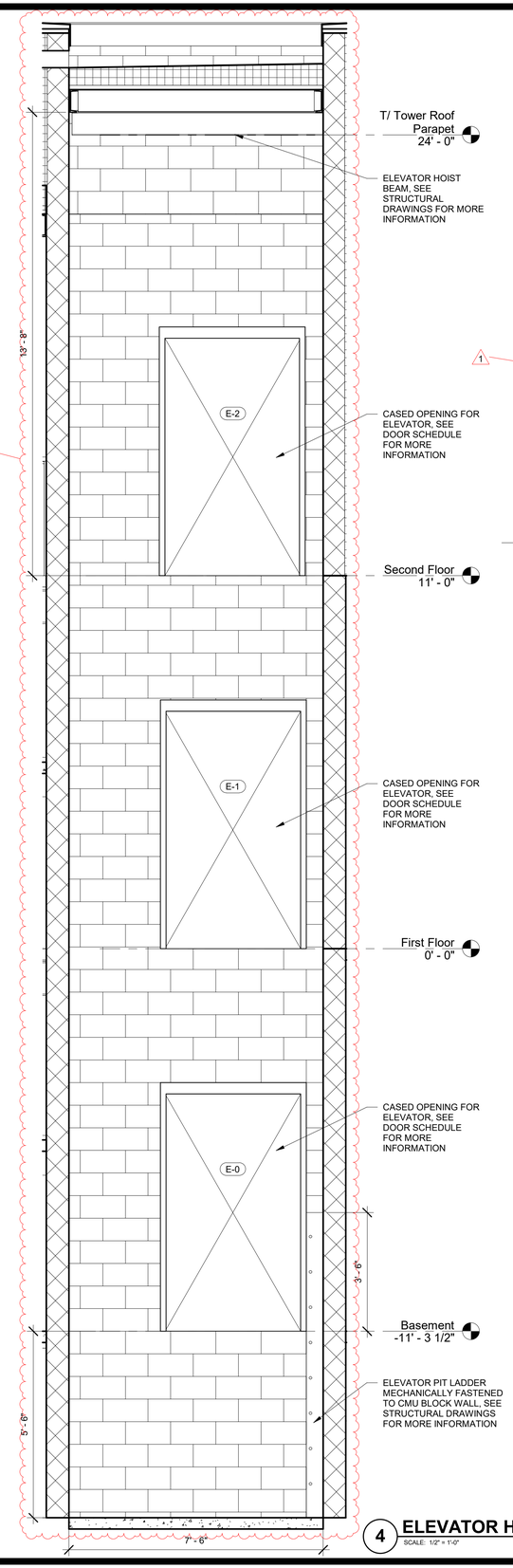
2 ENLARGED ELEVATOR PLAN - FIRST FLOOR

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



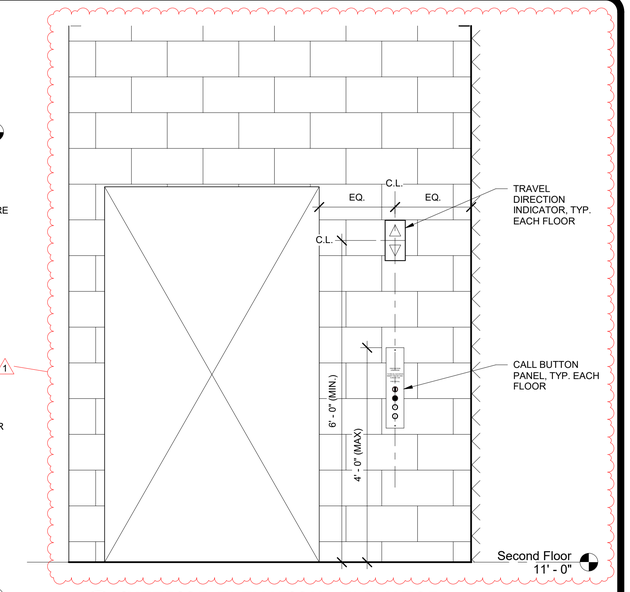
3 ENLARGED ELEVATOR PLAN - BASEMENT

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



4 ELEVATOR HOISTWAY SECTION

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



5 INTERIOR ELEVATION - ELEVATOR

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

BASIS OF DESIGN:

THYSSENKRUPP ELEVATOR (TKE) EVOLUTION 200 (OR APPROVED EQUAL)

- SERVICE ELEVATOR
- MACHINE ROOM LESS
- 4,500 LBS. LOAD CAPACITY
- FRONT ENTRANCE
- CAB DIMENSIONS: 5'-8" WIDTH x 7'-9 1/2" DEPTH
- DOOR WIDTH: 4'-0"
- COMPATIBLE WITH IBC STRETCHER (84") REQUIREMENTS

SEE ELECTRICAL DRAWINGS FOR POWER AND CONNECTION INFORMATION.

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:

CONSTRUCTION

TITLE:

REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:

STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
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	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

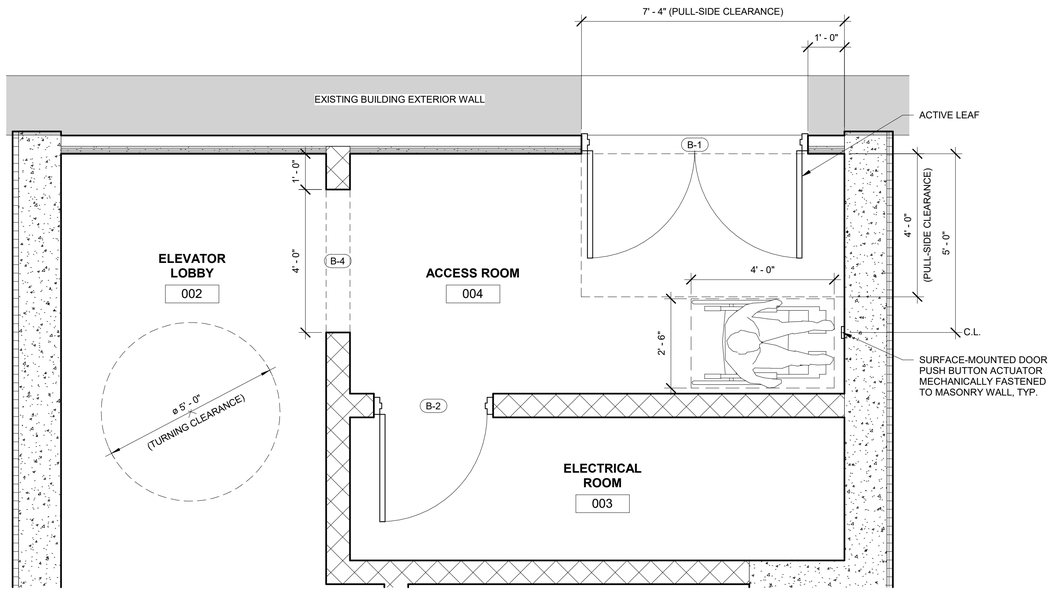
SHEET TITLE:

ENLARGED ELEVATOR PLANS AND SECTION

DRAWING NUMBER:

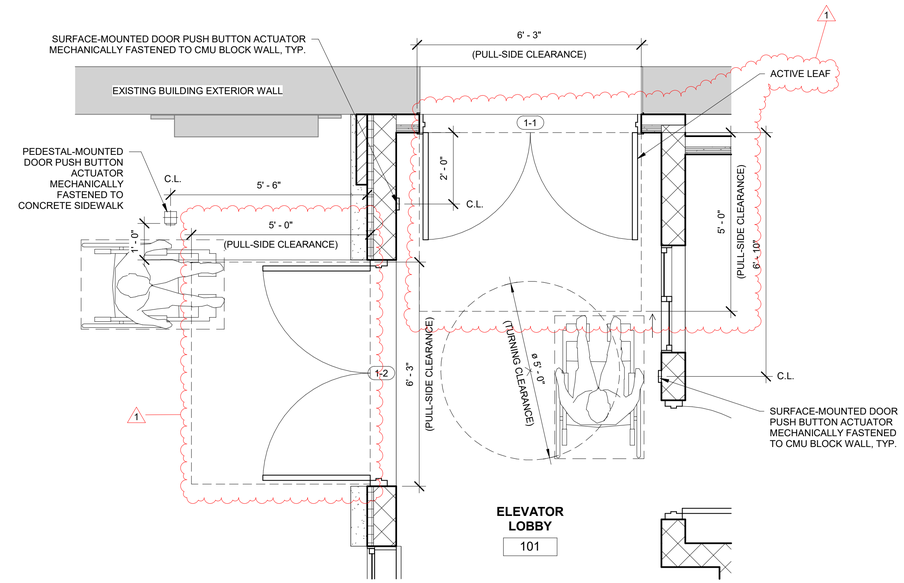
A-402

SHEET 44 OF 62



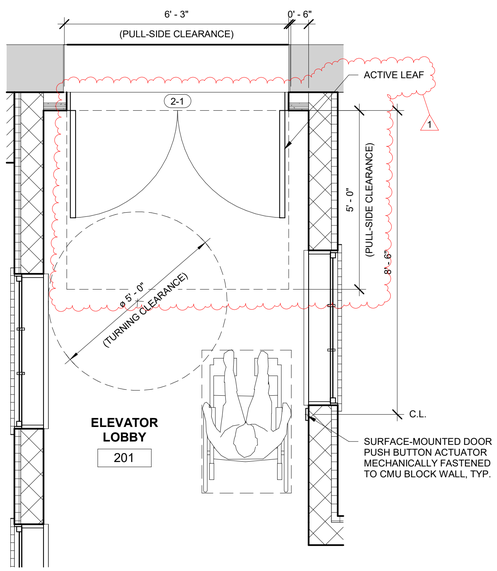
1 ACCESSIBILITY PLAN - BASEMENT

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



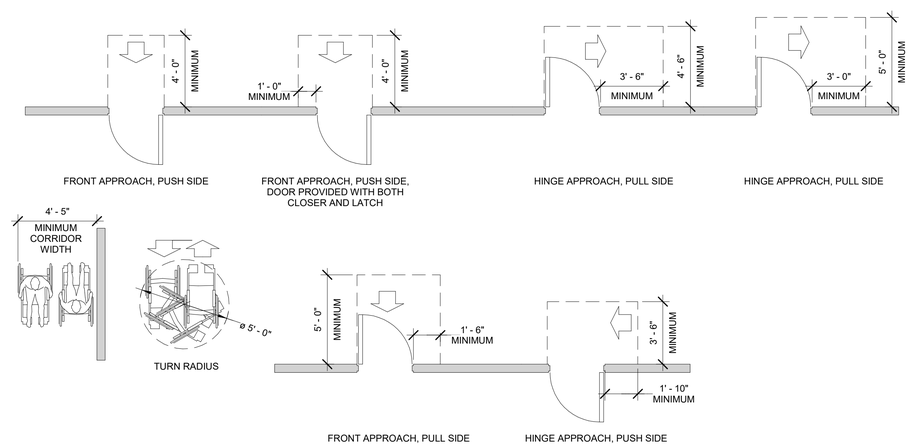
2 ACCESSIBILITY PLAN - FIRST FLOOR

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



3 ACCESSIBILITY PLAN - SECOND FLOOR

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



4 TYPICAL ACCESSIBILITY CLEARANCES

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

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

MJ Engineering Architecture Landscape Architecture and Land Surveying, P.C.

ENERGY CODE STATEMENT:

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:

CONSTRUCTION

TITLE:

REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:

STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

ACCESSIBILITY PLANS

DRAWING NUMBER:

A-403

SHEET 45 OF 62

FINISH NOTES:

1. THE CONTRACTOR SHALL FOLLOW THE MANUFACTURER'S INSTRUCTIONS AND STANDARD DETAILS FOR THE INSTALLATION OF ALL FINISH MATERIALS AND EQUIPMENT.
2. ALL FINISH MATERIALS SHALL HAVE A CLASS A FLAME SPREAD OR BETTER.
3. MINOR ITEMS SUCH AS CUTTING, BLOCKING, TRIMMING, ETC. WILL BE PERFORMED AS REQUIRED TO COMPLETE THE WORK INDICATED IN THESE DRAWINGS WHETHER SHOWN OR NOTED ON THE CONTRACT DOCUMENTS OR NOT.
4. ALL ITEMS NOT SPECIFICALLY REFERRED TO ON THESE DRAWINGS ARE TO BE SELECTED BY THE ARCHITECT FROM THE MANUFACTURER'S FULL RANGE F COLORS AND TEXTURES AVAILABLE.
5. ALL SEALANT AND CAULKING IN PROJECT TO MATCH ADJACENT WALL PAINT COLOR.
6. FINAL COLOR SELECTIONS SHALL BE BY THE DIRECTOR'S REPRESENTATIVE.

ROOM FINISH SCHEDULE

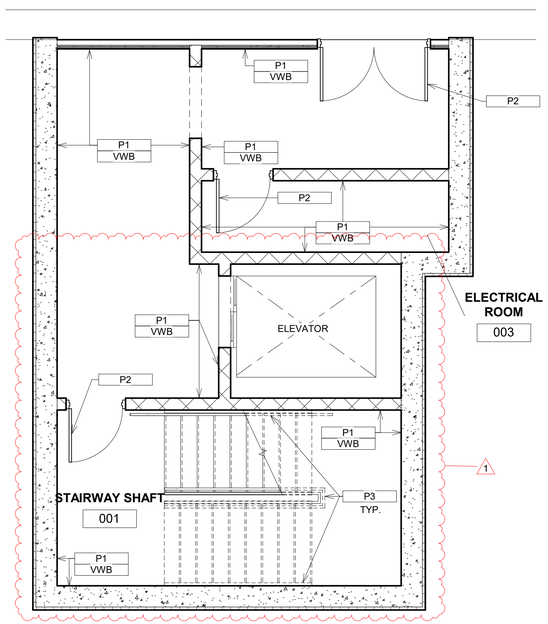
NUMBER	ROOM NAME	FLOOR	BASE	NORTH WALL MATERIAL	NORTH WALL FINISH	EAST WALL MATERIAL	EAST WALL FINISH	SOUTH WALL MATERIAL	SOUTH WALL FINISH	WEST WALL MATERIAL	WEST WALL FINISH	CEILING MATERIAL	CEILING FINISH	HEIGHT	COMMENTS
001	STAIRWAY SHAFT	CONCRETE	VWB	CMU BLOCK	PAINTED (P1)	CONCRETE	PAINTED (P1)	CONCRETE	PAINTED (P1)	CONCRETE	PAINTED (P1)	N/A	N/A	N/A	
002	ELEVATOR LOBBY	CONCRETE	VWB	GWB	PAINTED (P1)	CONCRETE	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CONCRETE	PAINTED (P1)	N/A	N/A	N/A	
003	ELECTRICAL ROOM	CONCRETE	VWB	CMU BLOCK	PAINTED (P1)	CONCRETE	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	N/A	N/A	N/A	
004	ACCESS ROOM	CONCRETE	VWB	GWB	PAINTED (P1)	CONCRETE	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	N/A	N/A	N/A	
100	STAIRWAY SHAFT	CONCRETE	VWB	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	N/A	N/A	N/A	
101	ELEVATOR LOBBY	CONCRETE	VWB	GWB	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	N/A	N/A	N/A	
102	ROOM	CONCRETE	VWB	GWB	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	N/A	N/A	N/A	
200	STAIRWAY SHAFT	CONCRETE	VWB	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	N/A	N/A	N/A	
201	ELEVATOR LOBBY	CONCRETE	VWB	GWB	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	CMU BLOCK	PAINTED (P1)	N/A	N/A	N/A	

FINISH / MATERIALS SCHEDULE

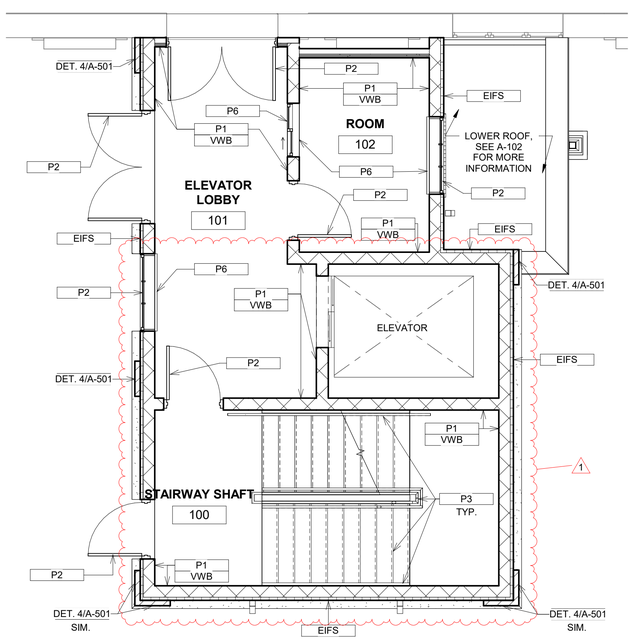
FINISH ACRONYM	FINISH TYPE / MAKE / MANUFACTURER (OR EQUAL)	PATTERN / MODEL NO. / COLOR (OR EQUAL)	COMMENTS
EIFS (SEE SPEC SECTION 07 24 13 "POLYMER BASED EXTERIOR INSULATION AND FINISH SYSTEM EIFS" FOR MORE INFORMATION)			ALL PRODUCTS / MATERIALS LISTED IN THIS SCHEDULE ARE FOR BASIS OF DESIGN PURPOSES ONLY. ALL SUBSTITUTIONS TO THE PRODUCTS / MATERIALS LISTED THAT ARE CONSIDERED "EQUAL" SHALL BE SUBMITTED TO THE ARCHITECT AND DIRECTOR'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO ORDERING. FINAL COLOR SELECTION OF ALL FINISH MATERIALS SHALL BE INDICATED BY THE DIRECTOR'S REPRESENTATIVE PRIOR TO ORDERING.
EIFS	DRYVIT / OUTSULATION PLUS MD (DS445) SYSTEM / PMR FINISH COAT (DS490)	QUARZPUTZ PMR FINISH TEXTURE / COLOR - MATCH EXISTING ADJACENT STUCCO WALL COLOR	
INTERIOR / EXTERIOR PAINT (SEE SPEC SECTION 09 91 14 "EXTERIOR PAINTING MPI STANDARDS" AND 09 91 23 "INTERIOR PAINTING" FOR MORE INFORMATION			
P1	SHERWIN WILLIAMS - GWB AND CMU BLOCK WALLS	COLOR - SW 7005 PURE WHITE	
P2	SHERWIN WILLIAMS - DOORS, WINDOWS AND FRAMES	COLOR - SW 6989 DOMINO	
P3	SHERWIN WILLIAMS - HANDRAILS, GUARDRAILS AND STAIRS	COLOR - SW 9143 CADET	
P4	SHERWIN WILLIAMS - ENTRY CANOPY FRAMING AND TRIM	COLOR - SW 6989 DOMINO	
P5	SHERWIN WILLIAMS - METAL COPINGS AND FLASHINGS	COLOR - MATCH EXISTING ADJACENT METAL COPING COLOR	
P6	SHERWIN WILLIAMS - INTERIOR WOOD WINDOW TRIM	COLOR - SW 9143 CADET	
VINYL WALL BASE (SEE SPEC SECTION 09 65 13 "RESILIENT BASE AND ACCESSORIES" FOR MORE INFORMATION)			
VWB	ROPPE / 4" HEIGHT WITH 5/8" TOE BASE	COLOR - BLACK (100)	

NOTE:

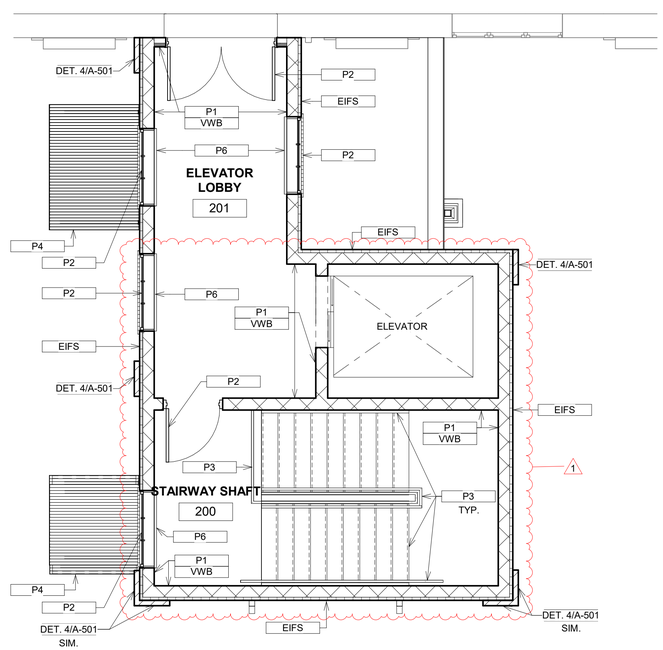
1. SEE FINISH PLANS FOR GENERAL LOCATIONS OF FINISHES AND REFER TO FINISH / MATERIALS SCHEDULE FOR CORRESPONDING PRODUCT INFORMATION. REVIEW AND NOTIFY THE DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO ORDERING / INSTALLING MATERIALS.



1 FINISH PLAN - BASEMENT
SCALE: 1/4" = 1'-0"



2 FINISH PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"



3 FINISH PLAN - SECOND FLOOR
SCALE: 1/4" = 1'-0"

Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

Engineering
Architecture
Landscape Architecture
and Land Surveying, P.C.

ENERGY CODE STATEMENT:

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REGISTRATION EXPIRES
10.31.2026

CONTRACT:
CONSTRUCTION

TITLE:
REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:
STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:
DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
FINISH PLANS AND SCHEDULE

DRAWING NUMBER:
A-601

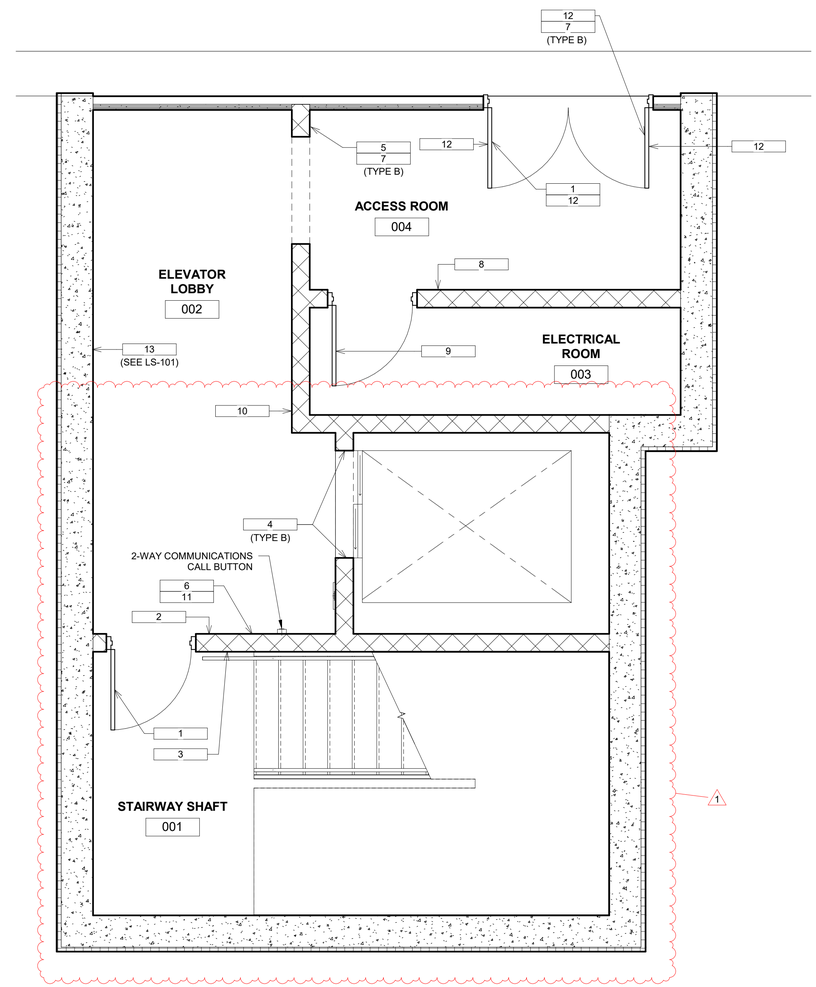
SHEET 48 OF 62

SIGNAGE LEGEND

NO.	SIGN / SYMBOL	REMARKS
1	EXIT	(DETAIL 1/A-605)
2	STAIR 1 / EXIT	(DETAIL 2/A-605)
3	STAIR 1 FLOOR 2 NO ROOF ACCESS BASEMENT TO THIRD FLOOR EXIT ON FLOOR 1	(DETAIL 3/A-605)
4	2 (TYPE A) 2☆ (TYPE B)	(DETAIL 4/A-605)
5	EXIT AREA OF REFUGE	(DETAIL 5/A-605)
6	AREA OF REFUGE PUSH FOR HELP IN THE EVENT OF AN EMERGENCY, PUSH THE HELP BUTTON FOR EVACUATION ASSISTANCE PERSONS ABLE TO USE THE EXIT STAIRWAY DO SO AS SOON AS POSSIBLE, UNLESS THEY ARE ASSISTING OTHERS WAIT HERE FOR ASSISTANCE CALLS MAY TAKE SEVERAL MINUTES	(DETAIL 6/A-605)
7	ACCESSIBLE ENTRANCE (TYPE A); ELEVATOR ACCESS (TYPE B); ACCESSIBLE ENTRANCE (TYPE C)	(DETAIL 7/A-605)
8	B-4 ELECTRICAL / ELEVATOR ROOM	(DETAIL 8/A-605)
9	NOT AN EXIT	(DETAIL 9/A-605)
10	AREA OF REFUGE	(DETAIL 10/A-605)
11	AREA OF REFUGE	(DETAIL 11/A-605)
12	AUTOMATIC DOOR CAUTION DOOR AUTOMATIC SWITCH DISARMING	(DETAIL 12/A-605)
13	"V"-STYLE FIRE EXTINGUISHER SIGN	(DETAIL 13/A-605)

SIGNAGE NOTES:

1. SEE A-605 AND A-606 FOR TYPICAL SIGNAGE FABRICATION AND MOUNTING HEIGHT DETAILS.



1 **SIGNAGE PLAN - BASEMENT**
SCALE: 3/8" = 1'-0"

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

CERTIFICATE OF AUTHORIZATION #0017980

MJ Engineering Architecture Landscape Architecture and Land Surveying, P.C.

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:
CONSTRUCTION

TITLE:
REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:
STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:
DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SIGNAGE PLAN - BASEMENT

DRAWING NUMBER:
A-602

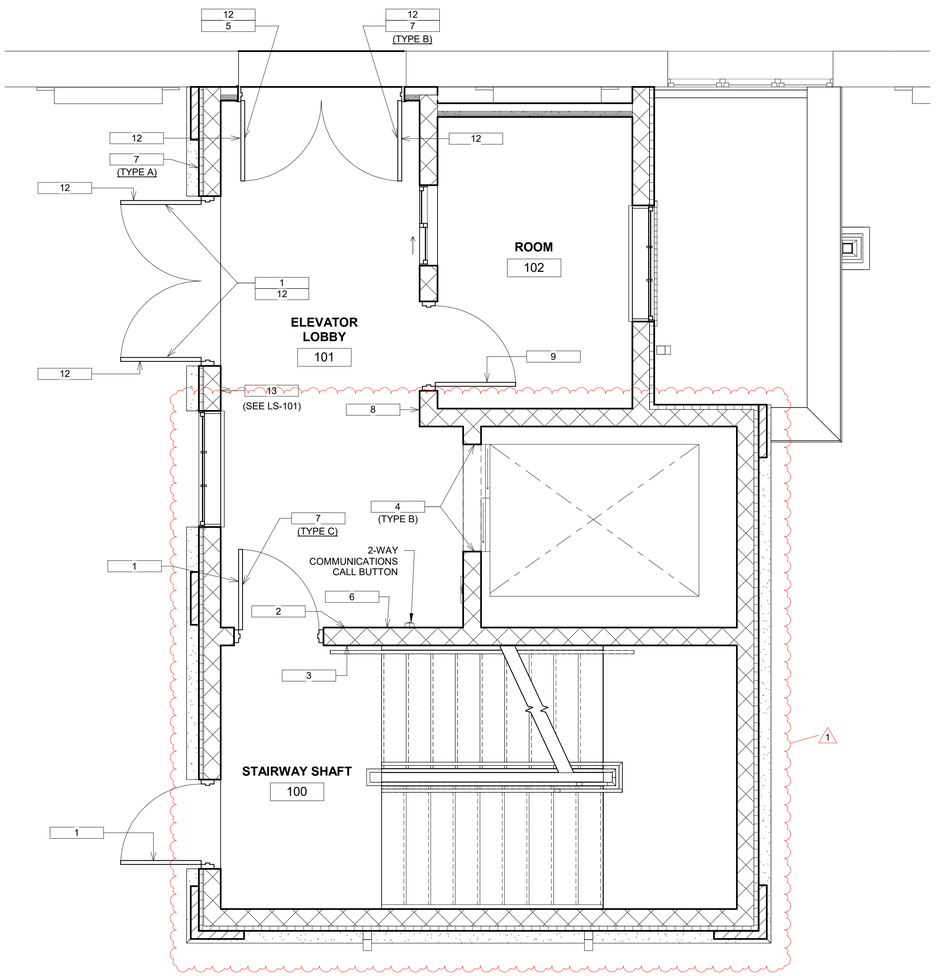
SHEET 49 OF 62

SIGNAGE LEGEND

NO.	SIGN / SYMBOL	REMARKS
1	EXIT	(DETAIL 1/A-605)
2	STAIR 1 / EXIT	(DETAIL 2/A-605)
3	STAIR 1 FLOOR 2 NO ROOF ACCESS BASEMENT TO THIRD FLOOR EXIT ON FLOOR 1	(DETAIL 3/A-605)
4	2 (TYPE A) 2☆ (TYPE B)	(DETAIL 4/A-605)
5	EXIT AREA OF REFUGE	(DETAIL 5/A-605)
6	AREA OF REFUGE PUSH FOR HELP IN THE EVENT OF AN EMERGENCY, PUSH THE HELP BUTTON FOR EVACUATION ASSISTANCE PERSONS ABLE TO USE THE EXIT STAIRWAY DO SO AS SOON AS POSSIBLE, UNLESS THEY ARE ASSISTING OTHERS WAIT HERE FOR ASSISTANCE CALLS MAY TAKE SEVERAL MINUTES	AREA OF REFUGE INSTRUCTIONS	(DETAIL 6/A-605)
7	ACCESSIBLE ENTRANCE (TYPE A) ELEVATOR ACCESS (TYPE B) ACCESSIBLE ENTRANCE (TYPE C)	ACCESSIBLE ENTRANCE SIGN	(DETAIL 7/A-605)
8	B-4 ELECTRICAL / ELEVATOR ROOM	ROOM IDENTIFICATION SIGN	(DETAIL 8/A-605)
9	NOT AN EXIT	TACTILE "NOT AN EXIT" SIGN	(DETAIL 9/A-605)
10	AREA OF REFUGE	ILLUMINATED AREA OF REFUGE SIGN	(DETAIL 10/A-605)
11	AREA OF REFUGE	TACTILE AREA OF REFUGE SIGN	(DETAIL 11/A-605)
12	AUTOMATIC DOOR CAUTION DOOR MAY OPEN WITHOUT WARNING	AUTOMATIC DOOR SIGN	(DETAIL 12/A-605)
13		"V"-STYLE FIRE EXTINGUISHER SIGN	(DETAIL 13/A-605)

SIGNAGE NOTES:

1. SEE A-605 AND A-606 FOR TYPICAL SIGNAGE FABRICATION AND MOUNTING HEIGHT DETAILS.



1 SIGNAGE PLAN - FIRST FLOOR
SCALE: 3/8" = 1'-0"

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:
CONSTRUCTION

TITLE:
REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:
STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:
DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

SHEET TITLE:
SIGNAGE PLAN - FIRST FLOOR

DRAWING NUMBER:
A-603

SHEET 50 OF 62

SIGNAGE LEGEND

NO.	SIGN / SYMBOL	REMARKS
1	EXIT	(DETAIL 1/A-605)
2	STAIR 1 / EXIT	(DETAIL 2/A-605)
3	STAIR 1 FLOOR 2 NO ROOF ACCESS BASEMENT TO THIRD FLOOR EXIT ON FLOOR 1	(DETAIL 3/A-605)
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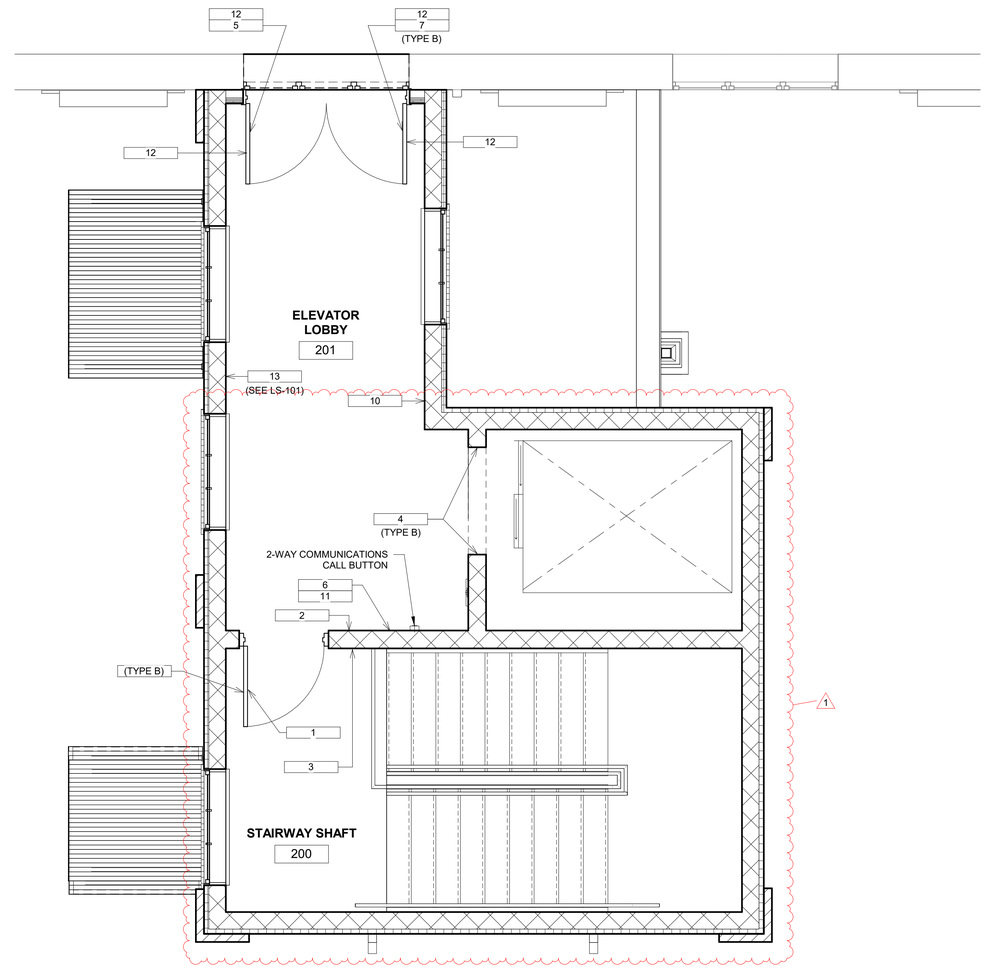
7	ACCESSIBLE ENTRANCE (TYPE A) ELEVATOR ACCESS (TYPE B) ACCESSIBLE ENTRANCE (TYPE C)	ACCESSIBLE ENTRANCE SIGN	(DETAIL 7/A-605)
8	B-4 ELECTRICAL / ELEVATOR ROOM	ROOM IDENTIFICATION SIGN	(DETAIL 8/A-605)
9	NOT AN EXIT	TACTILE "NOT AN EXIT" SIGN	(DETAIL 9/A-605)
10	AREA OF REFUGE	ILLUMINATED AREA OF REFUGE SIGN	(DETAIL 10/A-605)
11	AREA OF REFUGE	TACTILE AREA OF REFUGE SIGN	(DETAIL 11/A-605)
12	AUTOMATIC DOOR CAUTION DOOR MAY OPEN UNEXPECTEDLY	AUTOMATIC DOOR SIGN	(DETAIL 12/A-605)
13		"V"-STYLE FIRE EXTINGUISHER SIGN	(DETAIL 13/A-605)

SIGNAGE NOTES:

1. SEE A-605 AND A-606 FOR TYPICAL SIGNAGE FABRICATION AND MOUNTING HEIGHT DETAILS.



1 **SIGNAGE PLAN - SECOND FLOOR**
SCALE: 3/8" = 1'-0"

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DESIGN & CONSTRUCTION

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REGISTRATION EXPIRES 10.31.2026

CONTRACT: CONSTRUCTION

TITLE: REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION: STATE ARMORY 150-74 6TH AVENUE WHITESTONE, NY

CLIENT: DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

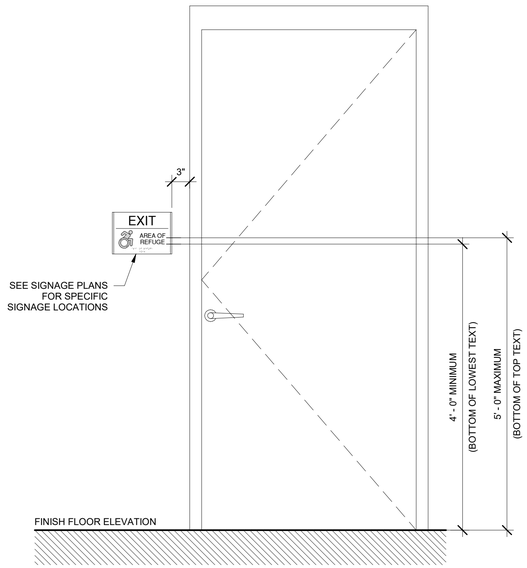
MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

SHEET TITLE: SIGNAGE PLAN - SECOND FLOOR

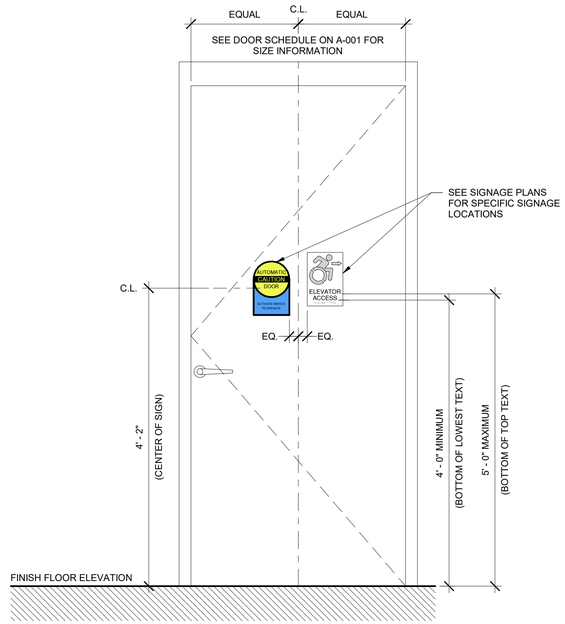
DRAWING NUMBER: A-604

SHEET 51 OF 62



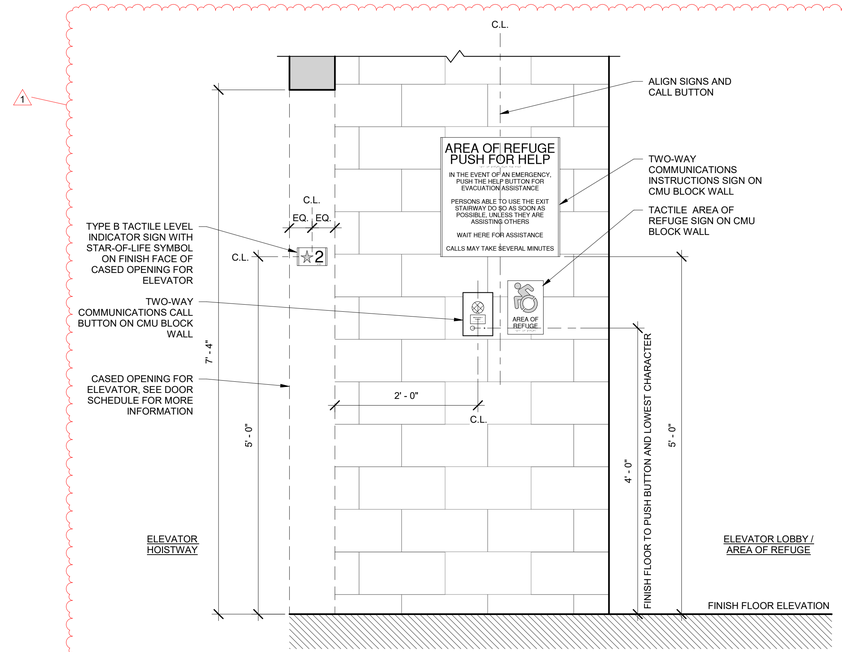
1 TYPICAL SIGNAGE AT DOOR

SCALE: 1" = 1'-0"



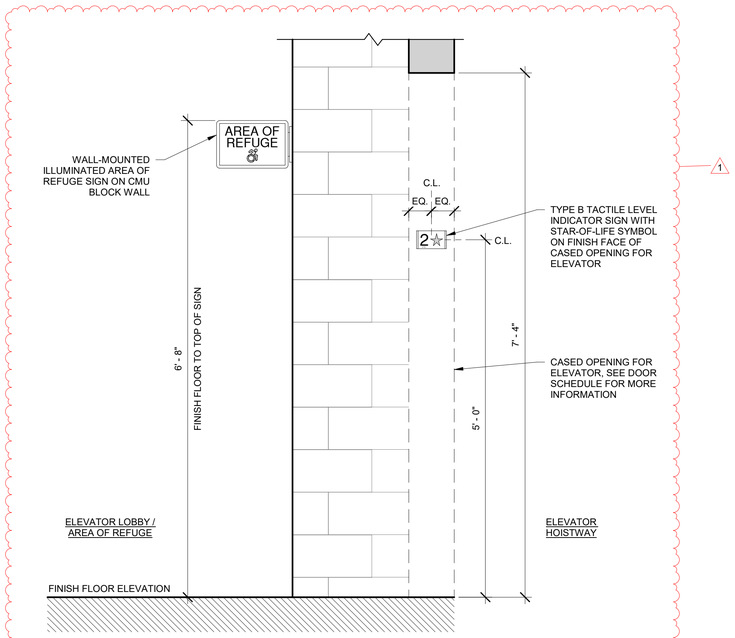
2 TYPICAL SIGNAGE ON DOOR

SCALE: 1" = 1'-0"



3 TYPICAL SIGNAGE AT ELEVATOR

SCALE: 1" = 1'-0"



4 ILLUMINATED SIGNAGE AT ELEVATOR

SCALE: 1" = 1'-0"

NEW YORK STATE | Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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REGISTRATION EXPIRES 10.31.2026

CONTRACT:

CONSTRUCTION

TITLE:

REPAIR STORM DRAINAGE, PROVIDE FOUNDATION WATERPROOFING & ELEVATORS

LOCATION:

STATE ARMORY
150-74 6TH AVENUE
WHITESTONE, NY

CLIENT:

DEPARTMENT OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
1	06/27/2025	ADDENDUM NO. 1
	06/04/2025	BID DOCUMENT

PROJECT NUMBER:	47662 - C
DESIGNED BY:	AMK
DRAWN BY:	SMB
FIELD CHECK:	
APPROVED:	

SHEET TITLE:

TYPICAL SIGNAGE MOUNTING HEIGHTS AND LOCATIONS

DRAWING NUMBER:

A-606

SHEET 53 OF 62