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

ADDENDUM NO. 05 TO PROJECT NO. 47166

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

June 17, 2024

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

SPECIFICATIONS

1. 057000 ORNAMENTAL METAL: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 057000 – 1 thru 057000 – 15) noted "ADDENDUM 05".

2. 085200 WOOD WINDOWS: Add the accompanying section (pages 085200 – 1 thru 085200 –11) to the Project Manual.

3. 087100 FINISH HARDWARE: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 087100 – 1 thru 087100 – 30) noted "ADDENDUM 05".

4. 096519 RESILIENT TILE FLOORING: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 096519 – 1 thru 096519 – 5) noted "ADDENDUM 05".

5. 271500 COMMUNICATIONS HORIZONTAL CABLING: Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 271500 – 1 thru 271500 – 17) noted "ADDENDUM 05".

APPENDIX

6 Add the accompanying documents to the Project Manual:

   a. OGS BIM Guidelines
   b. PRE-BID SITE VISIT 5 SIGN-IN SHEETS

DRAWINGS

7 Addendum Drawings:

a. Drawing Nos. A-690, A-691 and AD-005 noted "ADDENDUM 05 6/07/2024" accompany this Addendum and form part of the Contract Documents.

8 Revised Drawings:

a. Drawing No. S-001, S-101, S-102, S-103, S-111, S-112, S-113, S-121, S122, S-131, S-141, S-151, S-161, S-171, S-404 and S-503 noted "ADDENDUM 05 6/07/2024" accompany this Addendum and supersede the same numbered originally issued drawings.
b. Drawings Nos. AD-100. AD-111, AD-112, AD-113, AD-400 and AD-722 all noted "ADDENDUM 05 6/07/2024" accompany this Addendum and supersede the same numbered originally issued drawings.
c. Drawing Nos. A-162, A-404, A-408,A-414, A-424, A-431, A-433, A-434, A-477, A-600, A-601, A-620, A-630, A-631, A-635, A-702, A-712, A-722, A-731, A-741, A-751, A-760, A-811, A-812 and A-851 all noted "ADDENDUM 05 6/07/2024" accompany this Addendum and supersede the same numbered originally issued drawings.
d. Drawings Nos. P-101, P-102, P-162, P-503, P-900, P-901, P-902, P-903 and P-904 all noted "ADDENDUM 05 6/07/2024" accompany this Addendum and supersede the same numbered originally issued drawings.
e. Drawing No. M-700 noted "ADDENDUM 05 6/07/2024" accompanies this Addendum and supersedes the same numbered originally issued drawing.
f. Drawings Nos. E-101, E-102, E-603 and E-701 all noted "ADDENDUM 05 6/07/2024" accompany this Addendum and supersede the same numbered originally issued drawings.
g. Drawing No. FA-001 noted "ADDENDUM 05 6/07/2024" accompanies this Addendum and supersedes the same numbered originally issued drawing.

END OF ADDENDUM

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

SECTION 057000

ORNAMENTAL METAL

PART 1 GENERAL

1.01 REFERENCES

A. Finishes: National Association of Architectural Metal Manufacturer's (NAAMM) "Metal Finishes Manual".

1.02 SUBMITTALS

A. Shop Drawings: Show fabrication details and connections to adjacent Work.
   1. Include location of anchor bolts required.
   2. Rails (Guardrails): Design to resist loads specified by the New York State 2016 Uniform Code.

B. Product Data: Catalog sheets, specifications, and installation instructions as applicable.

C. Samples:
   1. Metal Finish Samples: 6 inches long; use metal of same alloy and configuration to be used for the Work.
   2. Fittings, Brackets, Flanges, and other Accessories: Full size, each type required.

1.03 DELIVERY

A. Coordinate delivery of items to be built into other Work to avoid delay. Furnish templates as required for accurate location of Work.

PART 2 PRODUCTS

2.01 ALUMINUM MATERIALS

A. Materials: Alloy and temper as specified, shown, or required to produce required finishes, or as otherwise recommended by aluminum producer.
   1. Extruded Shapes and Tubes: ASTM B 221.
   2. Extruded or Rolled Structural Shapes: ASTM B 308.
   3. Extruded Pipe: ASTM B 429.
   4. Plate and Sheet: ASTM B 209, alloy 3003-H16. Use alloy 5005-H16 for anodic coatings.
   5. Bars, Rods, and Wire: ASTM B 211.
   6. Drawn Seamless Tube: ASTM B 210.
   7. Castings: ASTM B 26; or ASTM B 108.

8. Forgings: ASTM B 247, alloy 6061-T6.

B. Finish:
1. Clear Natural Finish: AA-C22.

2.02 MISCELLANEOUS MATERIALS

A. Welding Electrodes and Filler Metal: Type and alloy to match metal to be welded for color, strength, and compatibility.

B. Fasteners: Metal, alloy, and finish to match metal to be fastened, unless otherwise indicated.
1. Use countersunk Phillips flat heads for exposed fasteners, unless otherwise indicated.
2. Use countersunk tamper-resistant flat heads for exposed fasteners, unless otherwise indicated.
3. Secure in concrete and masonry with approved non-ferrous anchors or expansion shields.

C. Anchors and Inserts: Furnish devices as approved and required for installation in other work.
1. Use non-ferrous, cadmium-coated or hot-dip galvanized for exterior installations.

D. Bituminous Paint: SSPC-Paint 12 (cold applied asphalt mastic).

E. Zinc Chromate Primer: FS TT-P-645.

F. Shrink-Resistant Grout (Non-Staining): Factory-packaged, non-ferrous mortar grouting compound selected from the following:
1. Masterflow 713 by Master Builders.
2. Sonogrout by Sonneborn.
3. Five Star Grout by U.S. Grout Corporation.
4. Imperial Grout by Setcon Industries.
5. Non-Corrosive, Non-Shrink Grout by A.C. Horn.

2.02 FABRICATION

A. General:
1. Fabricate items of material, size, and dimensions indicated on the drawings. Preassemble items in shop to the greatest extent possible. Design components to allow for expansion and contraction for a minimum ambient temperature range of 100 degrees F.

2. Form metal work to required shapes and sizes, with true lines, angles and curves. Provide necessary rebates, lugs, brackets, flanges,

fasteners, and anchors for assembly and installation. Use concealed fasteners where possible.

3. Provide welds behind finished surfaces without distortion or discoloration on exposed side. Clean and dress welds on exposed and contact surfaces.
4. Mill joints to tight, hairline fit. Cope or miter corners. Form joints exposed to weather to exclude water penetration.
5. Where cutting, welding, and grinding are required for proper shop fitting and jointing, restore finishes to eliminate evidence of such corrective work.

2.03 ARCHITECTURAL RAILINGS (GUARDRAILS)

A. Ease corners of square and rectangular tube to approximately 1/16 inch radius.

B. Provide brackets, flanges, anchors, and other accessories required for joining and securing rails and posts. Use materials of same type as railing system finished to match when exposed, unless otherwise indicated.

C. Fabrication: Prepare rails and posts for joining together by means of all welded construction as indicated on the drawings. The drawings indicate continuous railing system of all welded construction. Where necessary for construction logistics and erection join rails with splice connectors designed to draw rails together and splice rails only at center of post brackets. Provide corner bends where rails change direction. Cap ends of rails not attached to other construction. Cap open ends of posts.

1. Where posts are required to be set in sleeves, furnish galvanized steel tube sleeves with closed steel plate bottom at least l inch wider than sleeve. Sleeves shall be minimum 6 inches long, sized so that inside diameter is not less than 1/2 inch greater than outside dimension of post, unless otherwise indicated or required. Provide cover flange, secured to post, to conceal anchorage joint.
2. Where posts are required to be drilled in, furnish concealed expansion anchors and post inserts, unless otherwise indicated.
3. Where posts are required to be secured to steel surfaces or concrete surfaces, furnish facia mounting flanges and threaded fasteners.
4. Where posts are required to be secured to vertical concrete surfaces, furnish wedge or slotted type inserts, facia brackets and threaded fasteners.
5. Where posts are required to be secured to vertical concrete surfaces, furnish manufacturer’s recommended standard facia mounting system for type railing shown.
6. Where posts are terminated with flanges, provide and prepare flanges as indicated on the drawings for securing to concrete roof deck with fasteners as shown on the details.
7. Refer to architectural drawings for dimensions, details, and finishes.

D. Railing at Mezzanine

1. Basis of design: Viewrail Signature Railing with Rod Infill. Top Rail, Posts and Rod Infill in Black Powder Coating.
    1. Handrail: 1"x2" Quick Slide Handrail.
    2. Posts: Standard Side (Fascia) Mount Posts - Post and attachment plates and screws in powdercoated black. 2"x2" square tube posts, powder coated aluminum, 4'-0" O.C., 42" tall (system height). Foam infill to prevent rods from rattling.

2.04 SHOP FINISHING

A. Protection: Protect exposed finishes by covering with adhesive paper or other suitable covering prior to shipment.

B. Corrosion Protection: Coat concealed surfaces to be in contact with concrete, masonry, or dissimilar metals with a heavy coat of bituminous paint or zinc chromate primer. Do not extend coating onto exposed surfaces.

C. Accessories: Finish exposed fittings, brackets, flanges, etc. to match metal work unless otherwise indicated or approved.

PART 3 EXECUTION

3.01 INSTALLATION

A. Install the Work of this Section in accordance with manufacturer's printed instructions, except as shown or specified otherwise.

B. Perform cutting, drilling, and fitting required for installation. Set items accurately in location, alignment, and elevation. Securely fasten in place.

C. Do not cut or abrade finishes which cannot be completely restored in the field. Return such items to the shop for required alterations and complete refinishing.

D. Install concealed gaskets, joint filler, insulation, and flashings as work progresses.

E. Install anchorage devices and fasteners where necessary for securing items to in- place construction. Cut with rotary power tools of exact required size where possible.

F. Set posts plumb and secure to supporting construction shown on the drawings.

3.02 CLEANING

A. Remove protective coverings and clean exposed surfaces.

END OF
SECTION

VIEWRAIL

VIEWRAIL SIGNATURE POSTS



Signature Posts

Viewrail is America's leading producer of frameless glass systems. Our Surface Mount Talon Spigot is sustainably made from a single piece of aircraft-grade aluminum.
By bypassing the need for welding, our aluminum Glass Surface Talon is the only of its kind in North America to be certified by the International Code Council.

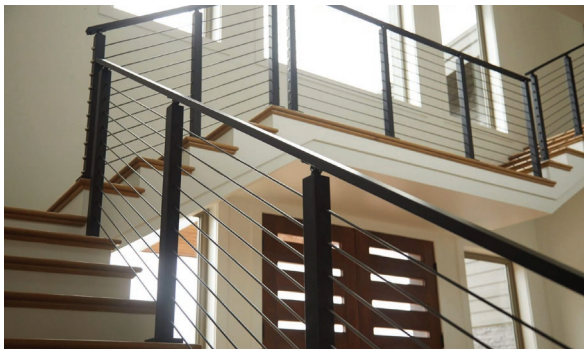
Surface Talons have a sleek, minimal profile to help maximize the view, and they're designed for quick and easy install – just mount the talon to the surface, then tighten and adjust the glass using our proprietary hardware. With their innovative design and durable construction, Surface Mount Talon Spigots do the work for you.

We understand each project is unique, so our talons need to stand up to even the harshest environments.
That's why each Talon is anodized before being covered with our 2605 Platinum powder coat. That way each Talon receives two coastal-rated finishes.

When it comes to responsibly-made, thoroughly-tested frameless glass systems, there is no competition.

Viewrail Signature Posts







Tech Specifications

Material: 6061 Aluminum (Aircraft Grade), 304 SS, 2205 SS

Finishes: Custom powder coated to order or brushed stainless

Height: Up to 42" Tall (System Height)

Standard Spacing: 4' on center

Mount Type: Core Drilled, Surface Mount, Special Application, Side Mount or Bump Out

Post Size: 2" X 2" Tube

Infill Options: Cable, 2205 Rods, or Glass

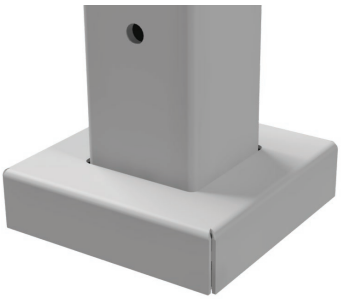
Compliance: *ICC, IBC International Building Code® (2015,2018,2021), IRC International Residential Code® (2015, 2018, 2021)*

Mounting Styles



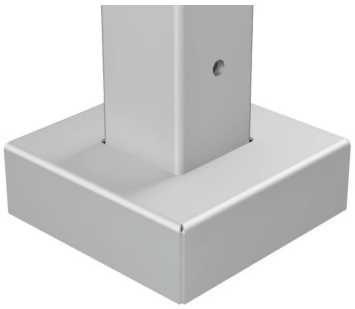
Core Drill

The Core drill post is designed to be plunged into concrete. The post is 6 1/4” long at the base.



Surface Mount

The Surface Mount post plate is the flagship post product. It sits on a 3.75” X 3.75” plate and is used for a majority of surface mount projects.



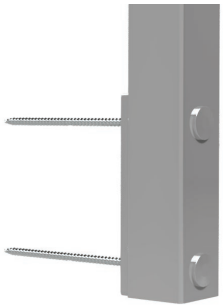
Special Application

The special application post foot plate was designed to be mounted on solid surfaces like concrete or stone. The footplate is 4.5” X 4.5”.



Side Mount Post

The standard side mount post sits on a 6” X 5-1/2” plate. Depending on the post composition the plate ranges from .3125” to .375” thick. The aluminum is a bolt together style and the stainless is welded on.



Slim Side Mount

The slim side mount post was designed similar to the standard side mount post but with a minimal footprint. The aluminum is a bolt together that sticks.



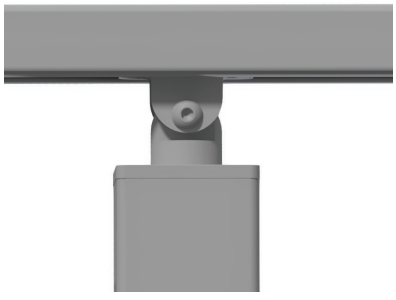
Bump Out Side Mount

The bump out side mount post was designed to go around deeper fascias. The mounting plate is 2” deep and 6” tall.

Post Top Styles

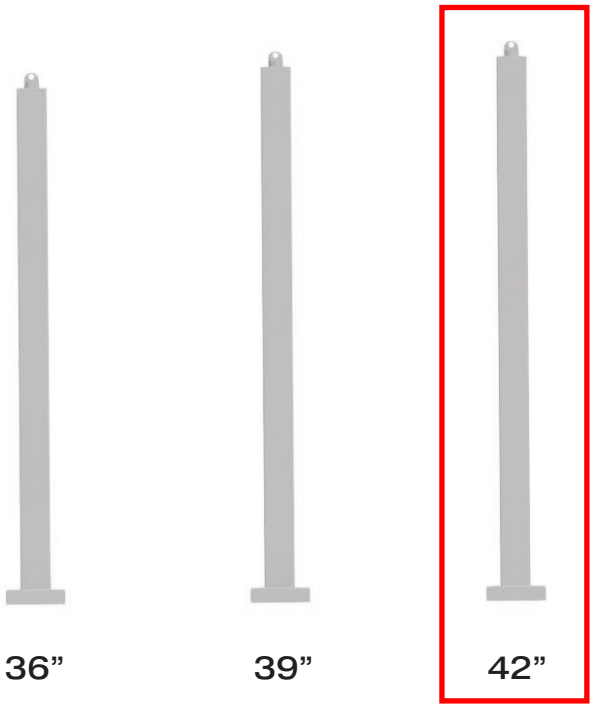


Flat Top Post

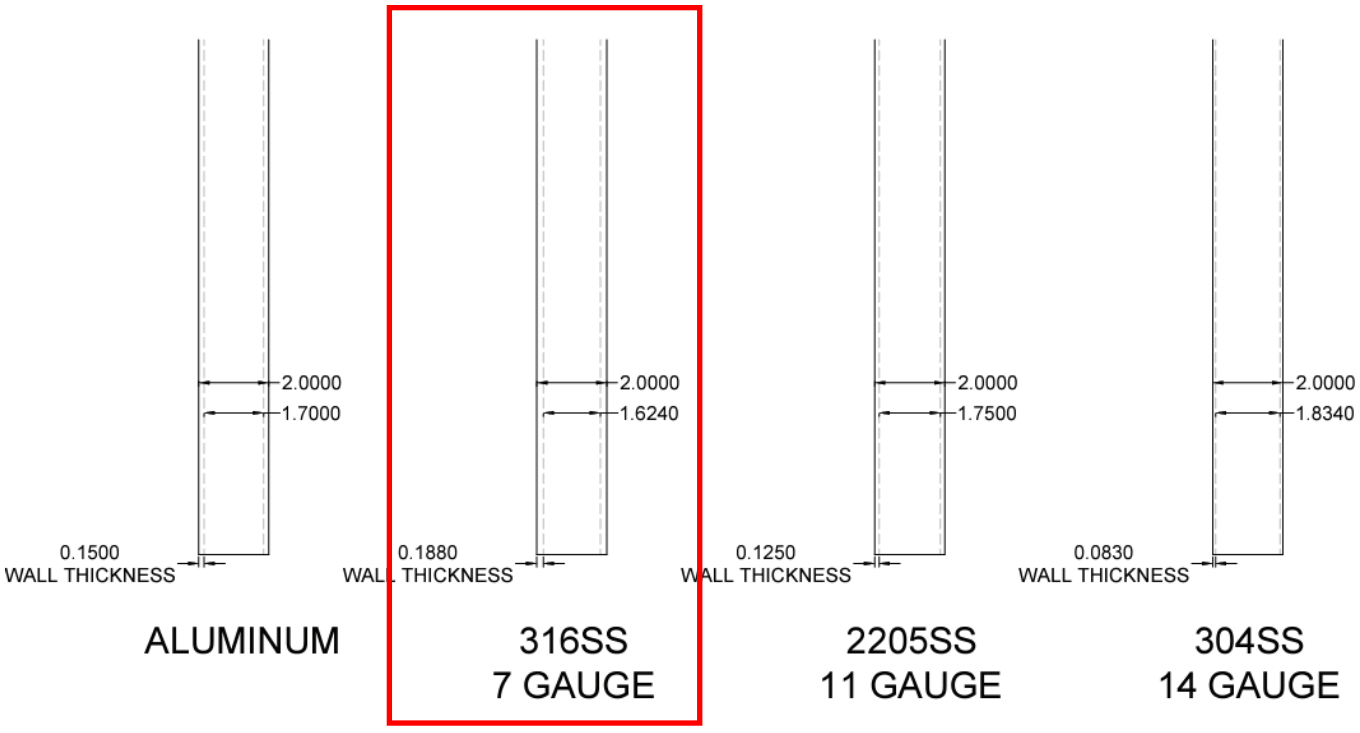


Universal Top Post

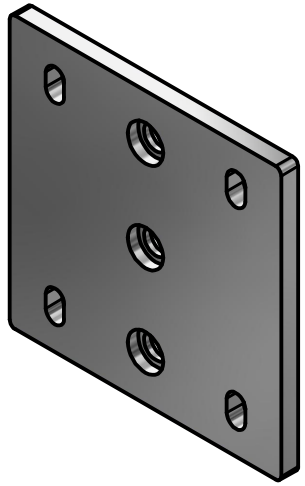
Standard System Heights

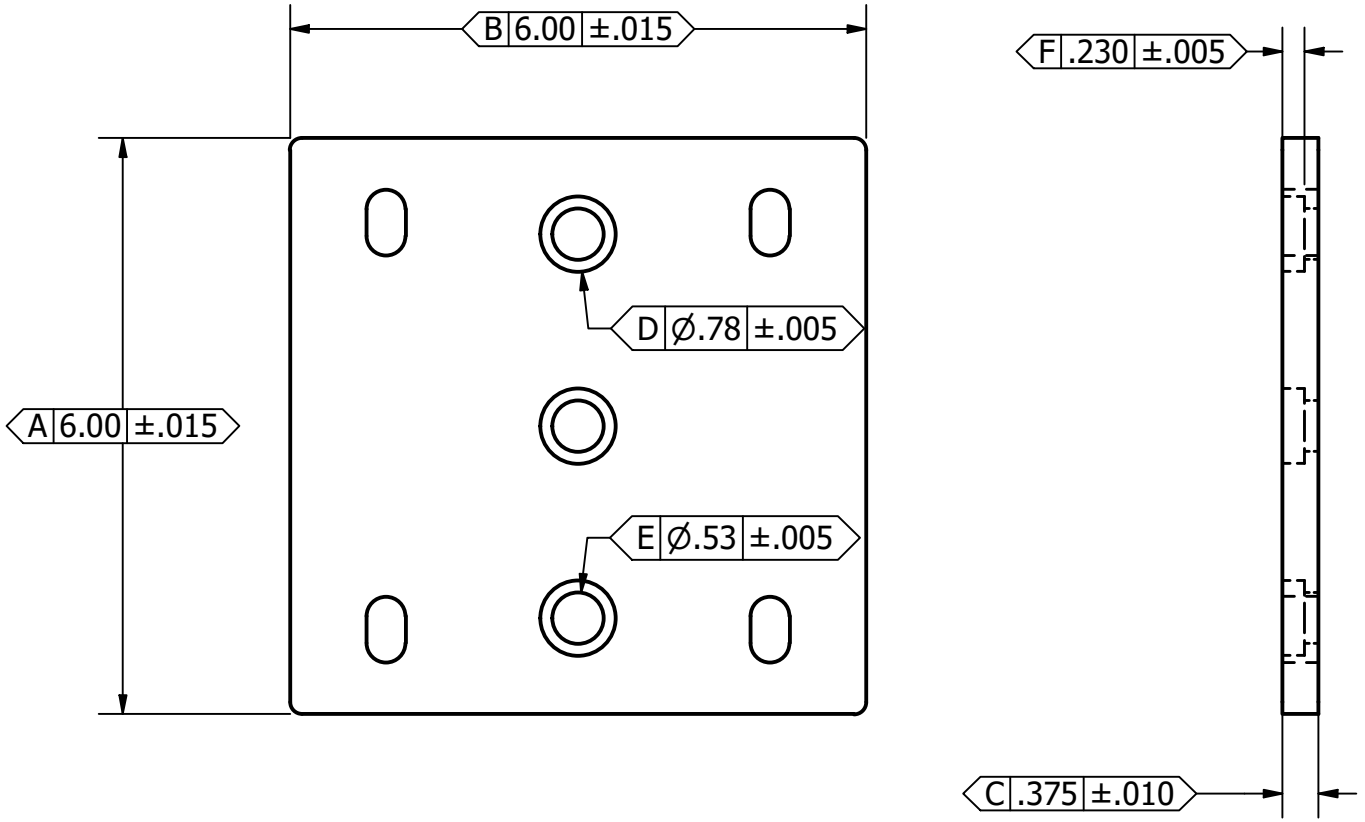


Post Gauges



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A-B	+/-.015	CALIPER
F	+/- .005	CALIPER
C	+/-.010	CALIPER
D-E	+/-.005	CALIPER
DIM	TOLERANCE	DEVICE
CRITICAL INSPECTIONS		

REV	DESCRIPTION	DATE	APPROVED BY
0	INITIAL RELEASE	5/28/2021	
REVISION HISTORY			

VIEWRAIL

Part Number: 562477

Part Description: Aluminum Side Mount Plate Bolt On

Revision: 0

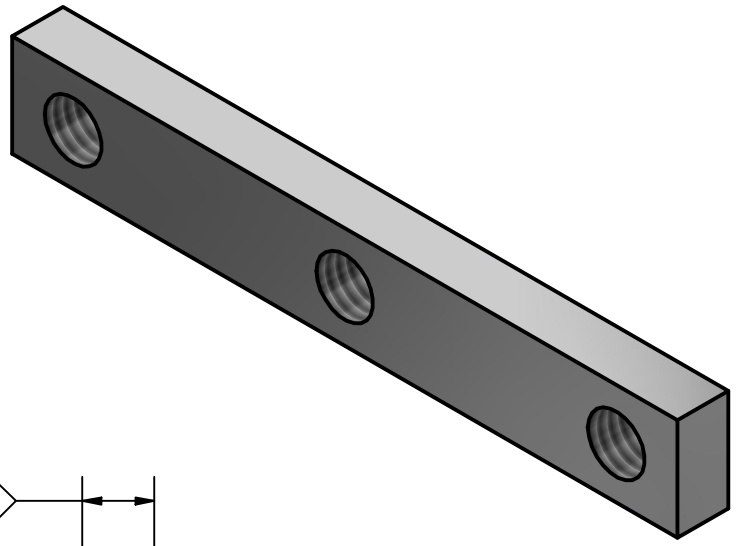
Material: Aluminum 6061 - T6
Finish:Aluminum - Flat

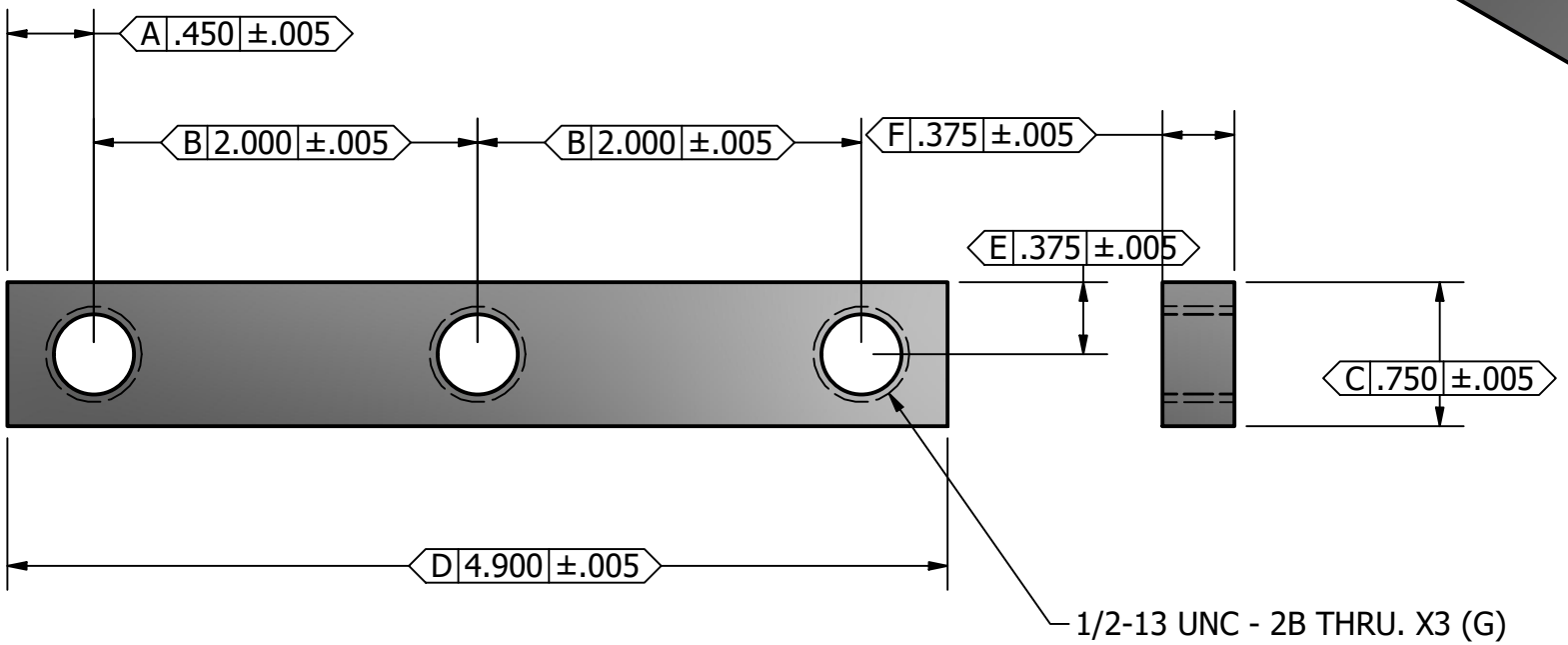
Sheet 1 of 1

Tolerance:
.X" +/- .03"
.XX" +/- .015"
.XXX" +/- .005"
X/X" +/- 1/16"
X° +/- 0.5°
Or as Specified

DOCUMENT UNCONTROLLED IF REMOVED, DOWNLOADED, OR EXPORTED FROM AUTODESK VAULT

NOTES:
1. CLEAR ANODIZE MIL-A-8625 TYPE II CLASS 1<ACID ETCH>





A-F	+/- .005	CALIPER				
G	CHECK	GAUGE	0	INITIAL RELEASE	5/28/2021	
DIM	TOLERANCE	DEVICE	REV	DESCRIPTION	DATE	APPROVED BY
CRITICAL INSPECTIONS			REVISION HISTORY			

VIEWRAIL

Revision: 0

Sheet 1 of 1

Part Number: 561235

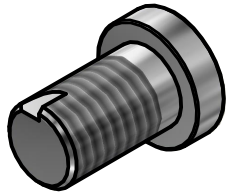
Part Description: Bracket - Side Post Threaded

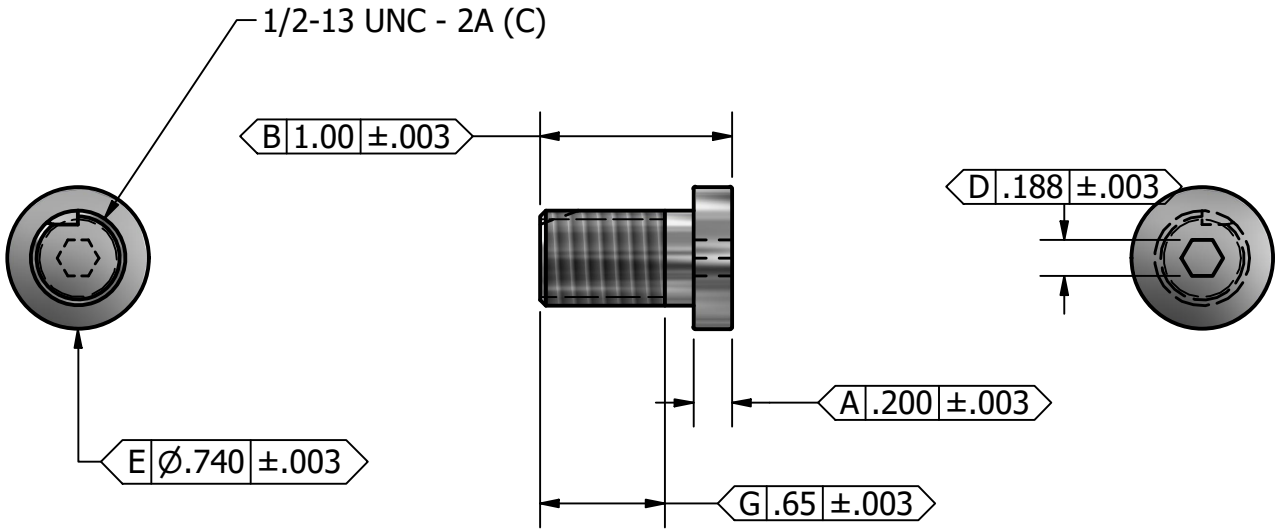
Material: Aluminum 6061 - T6
Finish:Anodized - Clear

Tolerance:
.X" +/- .03"
.XX" +/- .015"
.XXX" +/- .005"
X/X" +/- 1/16"
X° +/- 0.5°
Or as Specified

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NOTES:
1. CLEAR ANODIZE MIL-A-8625 TYPE II CLASS 1<ACID ETCH>





A	+/-.003	CALIPER
G	+/- .003	CALIPER
B	+/-.015	CALIPER
C	CHECK	GUAGE
D	+/-.003	CALIPER
E	+/-.003	CALIPER
DIM	TOLERANCE	DEVICE
CRITICAL INSPECTIONS		

REV	DESCRIPTION	DATE	APPROVED BY
0	INITIAL RELEASE	5/28/2021	
REVISION HISTORY			

VIEWRAIL

Part Number: 561224

Part Description: Screw - Post Side Mount Aluminum

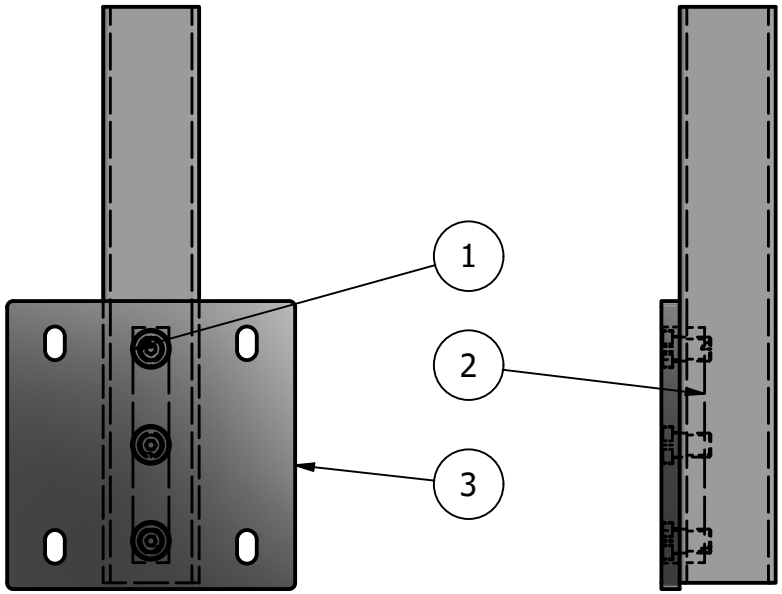
Revision: 0

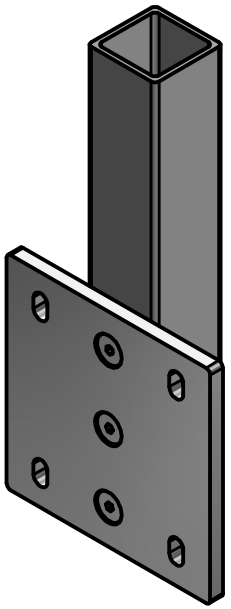
Material: Aluminum 6061 - T6
Finish:Aluminum - Flat

Sheet 1 of 1

Tolerance:
.X" +/- .03"
.XX" +/- .015"
.XXX" +/- .005"
X/X" +/- 1/16"
X° +/- 0.5°
Or as Specified

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PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	561224	Screw - Post Side Mount Aluminum
2	1	561235	Bracket - Side Post Threaded
3	1	562477	Aluminum Side Mount Plate Bolt On

VIEWRAIL

Part Number: 562519

Part Description: Assembly - Side Mount Post Bolt Together

Tolerance:
.X" +/- .03"
.XX" +/- .015"
.XXX" +/- .005"
X/X" +/- 1/16"
X° +/- 0.5°
Or as Specified

Revision: A

Material:
Finish:

Sheet 1 of 1

DIM	TOLERANCE	DEVICE
CRITICAL INSPECTIONS		

REV	DESCRIPTION	DATE	APPROVED BY
A			
REVISION HISTORY			

Look for this sticker on hardware bags

STRUCTURE

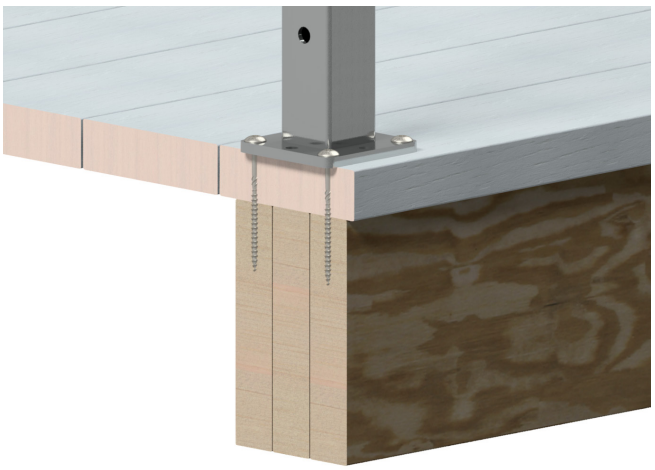
VIEWRAIL

Post Blocking Instructions Installation Guide

Surface Mounted Post

When mounting a post down to a wood surface, it is important to have at least 4" of proper blocking. Proper blocking is solid wooden material that is firmly attached to the structure of the surrounding framing. Improper blocking could result in difficulties leveling the post, a weakened railing system, or product defect.

Surface mounted posts will be fastened to the structure using four 5/16" x 3 1/2" lags.

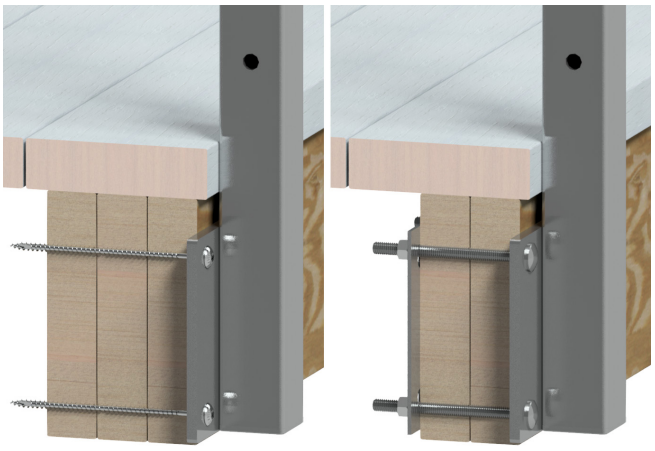


Side Mounted Posts

When mounting a post to the side, or fascia, of a deck or balcony there are two mounting hardware options: wood lags or through-bolts.

If you are using lags to attach your post to the fascia, you must have the equivalent of triple 2" x 8" or greater. Side mounted posts will be fastened with four 5/16" x 5" lags.

If you are using through bolts to attach your post to the fascia, you must have the equivalent of a double 2" x 8". These posts will be fastened with four 5/16" x 6" bolts. The bolts will go through the mounting plate, through the 2x8's, through the two metal backing plates, through the 5/16" Stainless Steel Washer, and tightened with the 5/16" Stainless Steel Hex Nuts.

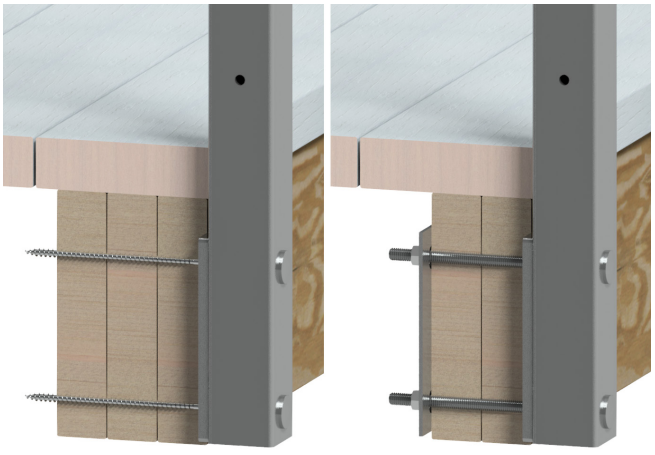


Slim Side Mount Posts

When mounting a post to the side, or fascia, of a deck or balcony there are two mounting hardware options: wood lags or through-bolts.

If you are using lags to attach your post to the fascia, you must have the equivalent of triple 2" x 8" or greater. Slim Side mounted posts will be fastened with two 5/16" x 5" lags.

If you are using through bolts to attach your post to the fascia, you must have the equivalent of a double 2" x 8". These posts will be fastened with two 5/16" x 6" bolts. The bolts will go through the 3/8" Flat Washer Nylon, through the post, through the 2 x 8's, through the metal backing plate, through the 5/16" Stainless Steel Washer, and tightened with the 5/16" Stainless Steel Hex Nuts.

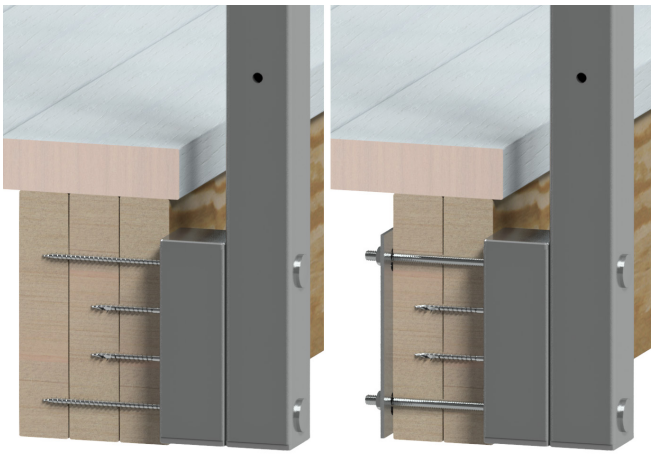


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Post Blocking Instructions (Continued)

Slim Side Mount Bump Out Posts

When mounting a post to the side, or fascia, of a deck or balcony there are two mounting hardware options: wood lags or through-bolts.



If you are using lags to attach your Bump Out Post to the fascia, you must have the equivalent of triple 2"x8" or greater. Slim Side Mounted Bump Out posts will have an additional 2"x2"x6" addition. This will be fastened to the fascia first with two 2½" screws. The post body will mount against this bump out using 5/16" x 5" lags.

If you are using through bolts to attach your post to the fascia, you must have the equivalent of a double 2"x8". Slim Side Mounted Bump Out posts will have an additional 2"x2"x6" addition. This will be fastened to the fascia first with two 2½" screws. The post body will be fastened against the bump out with two 5/16" x 6" bolts. The bolts will go through the 3/8" Flat Washer Nylon, through the post and bump out, through the 2x8's, through the metal backing plate, through the 5/16" Stainless Steel Washer, and tightened with the 5/16" Stainless Steel Hex Nuts.

Angle Knee Wall Posts

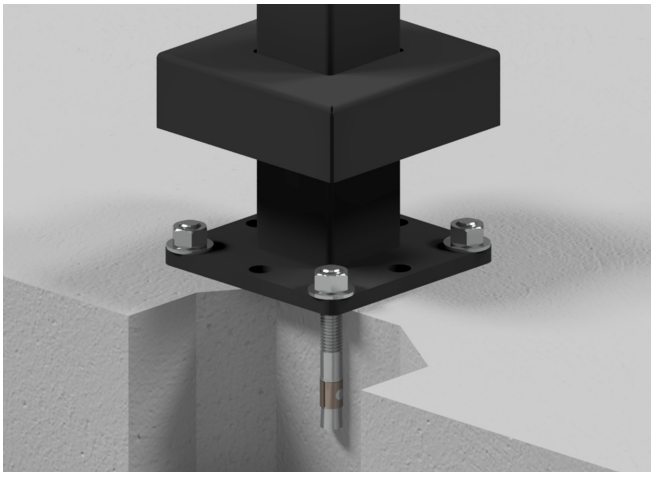
When mounting a post down to a wood surface, it is important to have at least 4" of proper blocking. Proper blocking is solid wooden material that is firmly attached to the structure of the surrounding framing. Without proper blocking, the posts will be difficult to level, not support the proper amount of weight, or even cause product defects.



Angle Knee Wall posts will be fastened to the angled structure using four 5/16" x 3 ½" lags.

Special Application Posts

The user may choose other methods based upon their research and experience. Load calculations are based upon uncracked 3000 PSI concrete. Wedge Anchors have ICC-ES approvals for use in uncracked concrete (ICC-ES ESR-2251). If your concrete is different, please consult the tables at itwredhead.com for ratings



Posts will utilize a 4½" square mounting plate and will be fastened with 3/8" x 3 ¾" concrete wedge anchors.

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SECTION 085200

WOOD WINDOWS

PART 1 GENERAL

1.01 DESCRIPTION

A. The principal items of work are related to removal and replacement of wood windows and trim, work called for by the Drawings, and other work necessitated by these operations.

1.02 RELATED WORK SPECIFIED ELSEWHERE

A. Glass and Glazing: Section 088100.

1.03 SUBMITTALS

A. Submit list of all materials proposed for use. Submit technical data sheet for each manufacturered product.

B. Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, fabrication details, installation details (including attachment to existing structure), blocking and anchorage to substrate, anchorage to blocking, hardware, operational clearances and the following:
1. Mullion details, including reinforcement and stiffeners.
2. Joinery details.
3. Trim.
4. Expansion provisions.
5. Flashing and drainage details.
6. Weatherstripping details.
7. Glazing details.
8. Blocking.
9. Anchorage to substrate.

C. Submit construction schedule using same designations indicated on the Drawings.

D. Submit structural analysis signed and sealed by a professional engineer licensed in the State of New York that addresses all items shown in the shop drawings and indicates:
1. Structural test pressures and design pressures from basic wind speeds indicated in the New York State Building Code.
2. Structural test pressures and design pressures from blast resistance indicated.
3. Deflection limitations of glass framing systems

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E. Submit certification from the window manufacturer that the installer is experienced and approved to install the manufacturer's windows.

F. Submit samples of anchors to secure window to existing structure.

G. Submit color chart of standard finish colors (Custom colors may be required in order to match the color of the existing windows).

H. Samples:
1. Main Framing Member: 12-inch-by-12-inch long, full-size sections of window frame.
2. Window Corner Fabrication: 12-inch-by-12-inch long, full-size window corner including full-size sections of window frame, weather stripping, and glazing.
3. Operable Window: Full-size unit with finish (each type).
4. Hardware: Full-size units with finish.
5. Weather Stripping: 12-inch long sections.
6. Color Samples: Manufacturer's standard/custom colors.

I. Quality Control Submittals:
1. Test Reports: Certified testing laboratory reports, indicating that window units have been tested and comply with grade requirements specified.
2. Maintenance and operation data for Director's Representative's record.

J. Submit paint product data: Manufacturer's technical information, label analysis, and application instructions for each specified material proposed for use.

1. List each material and cross-reference the substrate, location, and coat (prime, intermediate, finish). Identify each material by the manufacturer's catalog number, trade name, generic name, and general classification.

K. Submit paint samples for verification purposes as directed by the Director's Representative. If so directed by the Director's Representative, submit samples during progress of the Work in the form of test field applications of the accepted materials on actual prepared surfaces to be painted.

1.04 REFERENCE STANDARDS

A. American National Standard – ANSI/AAMA/NWWDA 101/I.S.2: Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.

B. American Architectural Manufacturers Association (AAMA): Windows and Sliding Glass Doors Volumes 1A and 1B.

C. American National Standards Institute (ANSI):
1. ANSI A58.1 – Minimum Design Loads for Buildings and Other Structures.

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D. American Society for Testing Materials (ASTM):
   1. ASTM C1036 – Flat Glass
   2. ASTM D1149 – Rubber Deterioration – Surface Ozone Cracking in a Chamber
   3. ASTM E283 – Rate of Air leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Difference Across the Specimen
   4. ASTM E330 – Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.
   5. ASTM E547 – Water Penetration of Exterior Windows, Curtain Walls and Doors by Cyclic Static Air Pressure Differential.
   6. ASTM E774 – Specification for Sealed Insulated Glass Units.

E. Glass Association of North America (formerly Flat Glass Marketing Association).
   1. GANA – Glazing Manual.
   2. FGMA – Sealant Manual.

1.05 PERFORMANCE REQUIREMENTS

A. Structural Performance: Provide windows capable of withstanding the effects of the following loads, based on testing units representative of those indicated for Project that pass AAMA/WDMA 101/I.S.2/NAFS, Uniform Load Structural Test: AW-60, minimum.
   1. Design Wind Loads: Determine design wind loads applicable to Project from basic wind speed indicated in miles per hour at 33 feet above grade, according to ASCE 7-05, Section 6.5, "Method 2-Analytical Procedure" based on mean roof heights above grade indicated on Drawings.
      a. Basic Wind Speed: 110 mph.
      b. Importance Factor: IV.
      c. Exposure Category: B.
      d. Corner Zone Dimension: 20 feet
      e. Minimum Pressure at Corners: +35 psf, -60 psf
      f. Minimum Pressure at Non-Corner Zones: ±35 psf
   2. Deflection: Design glass framing system to limit lateral deflections of glass edges to less than 1/175 of glass-edge length or 3/4 inch, whichever is less, at design pressure based on testing performed in accordance with ASTM E330 for both positive and negative pressure as defined by AAMA/WDMA/CSA 101/I.S.2/A440;Uniform Load Deflection Test or Uniform Load Structural Test.

B. Structural test pressure for uniform load structural test is equivalent to 150 percent of design pressure.

C. Windborne-Debris Resistance: Provide glazed windows capable of resisting impact from windborne debris, based on the pass/fail criteria as determined from testing glazed windows identical to those specified, according to ASTM E 1886 and testing information in ASTM E 1996 or AAMA 506.
   1. ASTM E-1996 Requirements:

a. Wind Zone: 1
b. Enhanced Protection
c. Missile Level D

E. Forced Entry Resistance shall comply with Performance Level 10 when tested according to ASTM F588.

F. Provide window units with a whole-window U-factor maximum indicated at 15-mph exterior wind velocity and winter condition temperatures when tested according to ASTM E 1423: 0.40 or less.

G. Provide window units with a whole-unit Solar Heat Gain Coefficient (SHGC) maximum of 0.40, determined in accordance with NFRC 200 procedures.

H. Air Infiltration Tests shall be conducted with ventilator (if provided) in a closed and locked position (after having been opened, closed and locked five times) in accordance with ASTM E283. Maximum air leakage shall not exceed 0.3 cubic feet per square foot when tested at a pressure of 6.24 psf.

I. Water Resistance Test shall be conducted in accordance with ASTM E331 and ASTM E547. With a static pressure of the greater of 20% of positive design wind pressure or at a static air pressure difference of 12 psf. No water shall be visible on any interior surface of the window frame, sash or glazing nor pass through any portion of frame joinery.

J. Condensation Resistance Factor (CRF) shall not be less than 55 when tested in accordance with AAMA 1503.188.

K. Wood windows and anchorage shall accommodate thermal movement of units from the following maximum temperature range in ambient and surface temperatures without buckling, distortion, opening of joints, failure of joint sealants, damaging loads and stresses on glazing and connections and other detrimental effects. Base engineering calculation on actual surface temperatures of materials due to solar heat gain and nighttime sky heat loss.

L. Temperature Range: 120°F ambient and 180°F material surfaces.

M. For awning and projected windows comply with ANSI/AAMA/NWWDA 101/I.S.2 for the following tests:
1. Torsion Test.
2. Horizontal Concentrated Load Test.
3. Vertical Concentrated Load Tests.
4. Torsion Load Test on Intermediate Frame Rails.
5. Vertical Concentrated Load Test on Intermediate Framed Rails.
6. Balance Arm Load Test.

N. Life Cycle Test:
1. Tested in accordance with AAMA 910, there shall be no damage to fasteners, parts, support arms, activating mechanisms, or any other

damage, which would make the window inoperable. Subsequent air infiltration and water resistance tests shall not exceed specified requirements.

O. Each window unit shall bear the manufacturer's certificate of inspection and testing indicating compliance with NWWDA Grade requirements.

1.06 QUALITY ASSURANCE

A. Installer shall be acceptable to the wood window manufacturer for installation of units required for this project.

B. Obtain wood windows through one source and from a single manufacturer.

C. Comply with ANSI/AAMA/NWWDA 101/I.S.2 for minimum standards of performance, materials, components, accessories and fabrication unless more stringent requirements are indicated.

D. Comply with published recommendations of glass manufacturer and GANA "Glazing Manual" unless more stringent requirements are indicated.

E. Drawings indicate size, profiles, and dimensional requirements of wood windows.

F. Verify wood window openings by field measurements before fabrication and indicate measurements on Shop Drawings

1.07 QUALITY CONTROL

A. Following fabrication and prior to shipment to the site, the window manufacturer shall perform in-house quality control tests to ensure that windows are in compliance with the specified standards.

B. Testing and inspecting of windows shall meet or exceed the standards for on site testing as follows:
1. Testing of windows for air infiltration and water resistance shall be performed according to AAMA 502, Test Method B, by applying same test pressures required to determine compliance with ANSI/AAMA/NWWDA 101/I.S.2 in Paragraph 1.05. The 1/3 reduction of pressure noted in AAMA 502 shall not be permitted.
2. Test three windows randomly selected from each shipment.

C. Where test results indicate that windows do not comply with specified requirements, the windows shall be pulled from the shipment and replaced at the manufacturer's expense.

D. Additional testing and inspecting shall be performed to determine compliance of replaced units with specified requirements at the manufacturer's expense.

1.08 JOB CONDITIONS

A. Protect the interior of the building for weather, water and dust during the work of this section.
   1. During the work, and until a complete replacement window is in place, the Contractor must secure the masonry opening against intrusion at the end of each working day using a minimum of ¾" thick plywood sheet on the exterior secured to the existing masonry in a manner acceptable to OGS and DMNA.
   2. Contractor is responsible to patch and/or replace affected masonry to restore it to its original condition.

B. Iron Window Guards
   1. No existing iron window guards on the first and basement level windows are allowed to be removed until the Contractor is ready to work on the window replacement in that location.
   2. Iron window guards must be immediately reinstalled upon completion of the window replacement in a particular location.

C. All interior finishes and exterior surfaces damaged during the work of this section shall be repaired to match adjacent surfaces.

D. Conduct a pre-construction conference at the Project Site with the Receiver and Director's Representative to review the methods and procedures related to the wood windows including but not limited to the following:
   1. Inspect and discuss condition of substrate, preparatory work and subsequent repairs to adjacent materials.
   2. Review and finalize construction schedule and verify availability of materials; installer's personnel, equipment and facilities needed to make progress and avoid delays.
   3. Review required testing and inspection procedures.

1.09 EXISTING WINDOWS

A. Contractor is responsible to remove, salvage, prepare for storage and deliver to a location in the building determined by OGS and DMNA, one typical example of each type of window assembly (including sash, weights and chains, frame, vertical mullion, and hardware) as described on the project window schedule.
   1. Contractor is responsible to prepare a log with photographs taken before, during and after the removal process of the existing window. The log-should be delivered along with the existing window to OGS and DMNA.
   2. Each window should be clearly labeled with its original location in the building with a separate index document created with the same information to cross-reference the in-situ photos prior to removal.
   3. One window, as selected by OGS and DMNA, should not be stripped, cleaned and abated but should be encapsulated for the possibility of future paint analysis research.
   4. The windows to be stored inside the building and not off-site.
   5. The windows to be stored in a cool, dry place.
   6. The windows to be stored in protectable breathing wrapping material and sturdy crating.

7. The windows to be stored above the finished floor to avoid potential damage from flooding.

1.10 WARRANTY

A. Provide manufacturer's warranty in which manufacturer agrees to repair or replace windows that fail in materials or workmanship within a period of ten years from the date of completion of the project. Failures include, but are not limited to the following:
   1. Failure to meet performance requirements.
   2. Structural failures including excessive deflection.
   3. Water leakage, air infiltration or condensation.
   4. Faulty operation of moveable sash or hardware.
   5. Deterioration of interior and exterior finishes.
   6. Deterioration of metals, metal finishes and other materials beyond normal weathering.
   7. Insulating glass failure.

B. Provide Contractor's warranty against installation defects for two years from the date of completion of the project.

1.11 PROBES AND TEST PANELS

A. Refer to Section 014339 Mock-Up Requirements.

1.12 DELIVERY, STORAGE AND HANDLING

A. Deliver materials to site in undamaged condition. Use care in handling and hoisting materials during transportation and at the job site to prevent bending, warping or other damage.

B. Store all materials in a protective enclosure.

C. Damaged materials shall be repaired to an "as new" condition as approved by the Receiver. If materials repaired do not meet the Receiver's approval, replace with new window units.

1.13 PROTECTION

A. For existing surfaces intended to remain such as roofs or terraces that will receive traffic during installation of windows, provide plywood traffic ways. Working surfaces adjacent to wall receiving window installation shall not be less than 4 feet wide.

B. Weather Protection: Cover and protect all exterior openings and partially completed work at the end of the work day to prevent water entry or exposure to other weather conditions.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Pella Corporation, 102 Main Street, Pella, Iowa 50219.
   1. Or approved equal.

2.02 MATERIALS

A. Frames shall be laminated at the factory and comprised of the following materials:
   1. Exterior frame and trim: Mahogany, FAS grade; kiln dried to a moisture content of 6 to 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide; water-repellent and preservative treated.
   2. Interior frame and trim: Oak; FAS grade, kiln dried to a moisture content of 6 to 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide; water-repellent and preservative treated.

B. Comply with NWWDA I S 2 except as otherwise specified. Fabricate wood window units complete with sash, frame stops, sill (including undersill or nosing, if any), exterior casing, integral mullions and muntins (if any), hardware and required accessories. Conform to minimum size and profile limitations indicated on the Drawings.
   1. Coordinate dimensions with actual measure of window openings.

C. Fasteners: Comply with NWWDA requirements for fabrication; and with manufacturer's printed recommendations for type and size of installation fasteners except as follows:
   1. Zinc-coated or non-ferrous nails and screws for installation of wood window units.
   2. Brass screws for installation of hardware and accessory items.

D. Compression Weatherstripping: Manufacturer's standard non-ferrous spring metal or vinyl gasket type, designed for permanently resilient sealing under bumper or wiper action, completely concealed when window sash is closed.

E. Sliding Weatherstripping: Woven pile type of wool, polypropylene or nylon, with nylon backing fabric and aluminum backing strip, complying with AAMA 701.2.

2.03 WOOD WINDOWS

A. Furnish wood window units of the following operational types as indicated on the Drawings and Schedule:
   1. Custom double hung windows to match existing windows in size, profile and color.
   2. Custom hopper windows to match existing windows in size, profile and color.

3. Custom casement window to match existing windows in size, profile and color.

B. All window units shall be lockable.

C. Interior and exterior wood finish trim shall be supplied by the window manufacturer of the same material and finish as the window frames.
   1. Exterior finish: Factory-primed with two (2) coats of oil-based primer and finished with two (2) coats of oil-based finish coat.
   2. Acceptable manufacturers:
      a. Fine Paint Arts of Europe
      b. Benjamin Moore
      c. Sherwin-Williams
      d. Approved equal.
   3. Color to match existing.
   4. Provide color chart for approval by OGS and DMNA.

2.04 FABRICATION

A. Fabricate windows in sizes indicated. Include a complete system for assembling components and anchoring windows.

B. Provide counter balance weights, pulleys, cables, pulls, locks, hardware, accessories, and other components as required to match existing and as detailed on the shop drawings.

C. Weather Stripping: Provide full-perimeter weather stripping for each operable sash and ventilator, unless otherwise indicated.

D. Factory machine windows for openings and for hardware that is not surface applied.

E. Mullions: Provide mullions as shown, matching window units, complete with anchors for support to structure and installation of window units. Allow erection tolerances and provide for movement of window units due to thermal expansion and building deflections, as indicated. Provide mullions capable of withstanding design loads of window units.

F. Glaze wood windows in the factory. Comply with requirements in Section 2.04 “Glazing” and with AAMA/WDMA 101/I.S.2/NAFS.

G. Complete fabrication, assembly finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation. Allow for scribing, trimming and fitting at Project site.

2.05 WOOD FINISHES

A. Provide manufacturer's premium factory finish complying with WDMA T.M. 12 on exposed exterior and interior wood surfaces.
   1. Color and Type: to match existing.

2.06 FLASHING MEMBRANE

A. Flashing membrane for use at perimeter of window opening prior to installation of new windows: Grace Perm-A-Barrier Wall Flashing, 40 mils, self-adhering sheet of rubberized asphalt and polyethylene.
   1. Surface conditioner: Grace-Perma-A-Barrier Surface Conditioner.
   2. Termination mastic: Grace Bituthene Liquid Membrane.

PART 3 EXECUTION

3.01 EXAMINATION

A. Report any unsatisfactory conditions that would prevent successful execution of the work of this Section to the Director's Representative. Do not proceed until conditions have been corrected as directed by the Director's Representative.

B. Examine openings, substrates, and conditions for compliance with requirements for installation tolerances and other conditions that would prevent successful execution of the work of this Section. Verify rough opening dimensions, levelness of sill plate, and operational clearances. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure a coordinated, weathertight window installation.
   1. Masonry Surfaces: Visibly dry and free of excess mortar, sand, and other construction debris.
   2. Wood Frame Walls: Dry, clean, sound, well nailed, free of voids, and without offsets at joints. Ensure that nail heads are driven flush with surfaces in opening and within 3 inches of opening.

C. Verify structural adequacy of surrounding construction for anchoring the new window units. Repair, replace or re-anchor the remaining structure, as necessary, to provide a structurally sound substrate for the new windows.

D. Do not proceed until conditions have been corrected as directed by the Director's Representative.

3.02 INSTALLATION

A. Comply with Shop Drawings and manufacturer's written instructions for installing windows, hardware, accessories and other components.

B. Install windows level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing or other adjacent construction.
   1. Do not cut or trim component parts during erection, in any manner which would damage finish, decrease strength, or result in a visual imperfection

or failure in performance of window units. Return units or component parts that require alteration to shop for refabrication or replacement.

C. Set sill members in bed of sealant for weathertight construction.

D. Install windows and components to drain condensation and to prevent water penetrating joints and moisture migrating within the windows to the interior.

3.03 ADJUSTING

A. Adjust operating sashes, hardware, and accessories for a tight fit at contact points and weatherstripping for smooth operation and weathertight closure. Lubricate hardware and moving parts.

3.04 MEMBRANE FLASHING

A. Remove all dirt and foreign matter from the masonry surface to be flashed.
   1. Apply surface conditioner to porous, rough or irregular surfaces.

B. Pre-cut wall flashing membrane to facilitate installation of the membrane to the steel and masonry.

C. Remove release paper and install member in required locations.
   1. Overlap seams 4 inches minimum. Adhere both sheets together using a steel roller to ensure positive bond between sheets.

D. Roll membrane onto surface with a steel roller, using firm, even, positive pressure.

E. Apply a bead or trowel coat of the specified liquid membrane along all laps, top edges, seams, cuts, and penetrations.

3.05 CLEANING

A. Protect window surfaces from contact with contaminating substances resulting from construction operations. In addition, monitor window surfaces adjacent to and below exterior concrete and masonry surfaces during construction for presence of dirt, scum, alkaline deposits, stains, or other contaminants. If contaminating substances do contact window surfaces, remove contaminants immediately according to manufacturer's written recommendations.

B. Clean factory-glazed glass immediately after installing windows. Comply with manufacturers written recommendations for final cleaning and maintenance. Remove nonpermanent labels and clean surfaces.

C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.

END OF SECTION

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SECTION 087100

FINISH HARDWARE

PART 1 GENERAL

1.01 RELATED WORK IN OTHER SECTIONS

1.02 REFERENCES

A. NFPA 80 Fire Doors and Windows (2013).

B. NFPA 101 Life Safety Code (2015).

C. Building Code of New York State (2016).

D. ICC/ANSI A117.1-2003 Accessible and Usable Buildings and Facilities.

E. ANSI/BHMA Standard A156.1 Butts and Hinges (2016).

F. ANSI/BHMA Standard A156.4 Door Controls – Closers (2013).

G. ANSI/BHMA Standard A156.6 Architectural Door Trim (2015).

H. ANSI/BHMA Standard A156.7 Template Hinge Dimensions (2016).

I. ANSI/BHMA Standard A156.8 Door Controls – Overhead Stops and Holders (2015).

J. ANSI/BHMA Standard A156.13 Mortise Locks and Latches Series 1000 (2017).

K. ANSI/BHMA Standard A156.16 Auxiliary Hardware (2018).

L. ANSI/BHMA Standard A156.18 Materials and Finishes (2016).

M. ANSI/BHMA Standard A156.22 Door Gasketing Systems (2017).

N. ANSI/BHMA Standard A156.26 Continuous Hinges (2017).

O. DHI - Door and Hardware Institute.

P. NAAM Standard HMMA 800-96- Hollow Metal Manufacturers Association.

Q. NAAM Standard HMMA 831-97 Recommended Hardware Locations for Custom Hollow Metal Doors and Frames.

R. 2010 Standards for State and Local Government Facilities: Title II.

1.03 DEFINITIONS

A. Architectural Hardware Consultant (AHC): A Door and Hardware Institute certified expert in complex architectural openings requiring advanced knowledge of model building codes and safety standards, ADA requirements, access control knowledge and installation expertise.

B. Architectural Hardware Distributor: A company that regularly purchases architectural hardware from manufacturers and specializes in the sale, service and support of that hardware to contractors and/or end users.

C. Company Field Advisor(s): Hardware manufacturers' representatives who are certified in writing by manufacturer to be technically qualified in design, installation, and servicing of products.

D. Installation Supervisor: Designated supervisor/installer, who has a minimum three years experience in finish hardware installation, and is qualified and responsible to ensure approved finish hardware is installed, adjusted, and operates properly.

E. Benchmark: Finish hardware installed on full size door and frame assembly that is constructed on-site. Benchmarks are constructed to verify qualities of materials and execution; to review coordination between frames, doors, and architectural hardware; to show interface between partitions and frames; and to demonstrate compliance with specified installation tolerances. Benchmarks are not samples. Unless otherwise indicated, approved benchmarks establish the standard by which the Work will be judged. The approved benchmark may be incorporated into the work of this section.

1.04 SUBMITTALS

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

B. Re-Evaluation Fee: In accordance with the General Conditions 07213 Article 4.7.

C. Submittal Package Cover Sheets: The Hardware Distributor shall provide a cover sheet, which identifies each package by:

1. OGS project number.
2. Project name.
3. Facility name and location.
4. Submittal Package name.
5. Specification section name and number.
6. Construction Contractor's company name, address, e-mail address, and telephone number.
7. Finish Hardware Distributor's company name, address, e-mail address, and telephone number.
8. Certified Architectural Hardware Consultant's name, company name, address, e-mail address, and telephone number.
9. Submittal Date.

D. Submittal Packages

1. Quality Control Package: Do not submit balance of packages until this package is approved.
    a. Architectural Hardware Consultant Data:
        1) Provide name, business address, and telephone number of DHI certified Architectural Hardware Consultant.
        2) Submit photocopy of Door and Hardware Institute's certificate demonstrating individual is an Architectural Hardware Consultant.
    b. Company Field Advisor Data:
        1) Provide name, business address, and telephone number of Company Field Advisor(s) for continuous hinges, door bolts, locksets, overhead stops, door closers, and gaskets.
        2) List services and products for which company field advisor(s) is/are certified by manufacturer. Provide written certifications.
    c. Hardware Distributor's Qualification Data:
        1) Provide the Finish Hardware Distributor's company name, address, e-mail address, and telephone number.
        2) Provide the hardware distributor's company history, including number of years in the hardware distribution business, the number of AHC's employed, and the number of employees. Describe the distributor's major market.
        3) Include the names and contact information of physical plant managers for 3 facilities, similar to this project, for which the distributor has furnished architectural hardware within the past 2 years.
    d. Supervisor's/Installer's Qualification Data:
        1) Name of Supervisor and each installer performing Work, and employer's name, business address and telephone number.
        2) Names and addresses, and contact information of physical plant managers for 3 facilities, similar to this project, on which each installer has worked on during past 2 years.
2. Finish Hardware Package:
    a. Finish Hardware Schedule: Use vertical format and indicate finish hardware items, both mechanical and electrical in one document, required to complete Work of this section. Submit Hardware Schedule that includes complete hardware sets for each door and frame shown on Door Schedule.
        1) Preface schedule with following:
            a) Certified Architectural Hardware Consultant's statement of preparation of/or certification of, Finish Hardware Schedule.
            b) Index.
            c) List of manufacturers.
            d) List of finishes.
            e) Explanation of abbreviations.
            f) Keying instructions and key schedule.

2) Create hardware groups, each group consisting of similar doors and hardware. Do not combine labeled and non-labeled openings. Do not combine doors and frames with dissimilar door sizes and/or materials.

3) For each opening include the following:
   a) Door and frame materials and dimensions.
   b) Fire rating.
   c) Door number, location and handing.
   d) Degree of opening required for closer and/or overhead stop.
   e) Installation and detailing notes.

4) Under each group heading, list hardware items in detail, required for ordering. For each hardware item include:
   a) Type (Hinges).
   b) Quantity (Hinges 3ea).
   c) Manufacturers' name (Hinges 3ea Stanley).
   d) Catalog number (Hinges 3ea Stanley FBB199).
   e) Size (Hinges 3ea Stanley FBB199 4 ½ x 4 ½).
   f) Options or accessories (Hinges HTFBB199 4 ½ x 4 ½).
   g) Finish (Hinges HTFBB199 4 ½ x 4 ½ x 630).
   h) Fasteners (Hinges HTFBB199 4 ½ x 4 ½ x 630 x torx with center security pin).
   i) Indicate location of protection plates: Push side or pull side.
   j) Installation Notes, as written in this section, for each hardware group.

5) Use a separate hardware group in Hardware Schedule that lists attic stock hardware items, key cabinets, key control system, special tools required to install hardware, lubricants, and Operations and Maintenance Manuals.

b. Product Data: Furnish six copies of manufacturers' catalog sheets, specifications, sizing charts, and installation instructions, for each item specified. Highlight information pertaining specifically to product (s) submitted.

c. Submit samples as requested.

3. Closeout Submittals Package: Submit as a complete package.

a. Operation and Maintenance Manuals: Furnish 2 hardcover three ring binders with the project name and number displayed on the front cover and spine. Include:
   1) List of Manufacturers.
   2) Approved Finish Hardware Schedule.
   3) Approved Manufacturers' Product Data Sheets.
   4) Manufacturer's operation, installation, maintenance, and repair instructions for each type of hardware furnished.
   5) Templates for kind of hardware furnished.
   6) Parts List for each type of finish hardware furnished.
   7) Manufacturers' dated written warranty for each type of finish hardware furnished.

8) Certifications: Written certification from Company Field Advisors that their products are installed according to manufacturers' printed installation instructions, are operating properly, and manufacturers' written warranty will be in effect upon physical completion of the Work.

9) Special Tools: List of special tools required to install hardware, and their purpose.

b. Special Tools:

1) At conclusion of finish hardware installation, turn over to Director's Representative 2 of each special tool required to install hardware together with a list of these tools and their purpose.

1.05 TEMPLATES

A. After receipt of approved submittals, furnish templates to affected trades, to enable fabricators to make provision for finish hardware without delaying the Work of the Project.

1.06 DELIVERY AND STORAGE

A. Coordinate delivery to avoid delay.

B. Clearly label each item for identification and installation location as it corresponds to the approved Finish Hardware Schedule and subsequent information bulletins.

C. Deliver hardware to the jobsite in the manufacturers' original packages complete with fasteners, parts, installation instructions, and templates required for proper installation.

D. Inventory hardware at jobsite to identify shortages or backorders. Resolve delivery shortages and damaged items prior to installing hardware.

E. Store finish hardware where directed by Director's Representative. Provide locked, dry storage for finish hardware.

1.07 QUALITY ASSURANCE

A. Hardware Distributor's Qualification:

1. Hardware Distributor who has been in the business of furnishing, and/ or installing finish hardware for a minimum of three years.
2. Hardware Distributor shall have the DHI certified Architectural Hardware Consultant prepare or certify the Finish Hardware Submittal meets specification requirements, and the schedule is written accurately and in accordance with DHI recommendations, and requirements of this specification.

B. Company Field Advisors: Employ advisor(s) for continuous hinges, door bolts, mortise locksets, surface overhead stops, door closers, and gaskets.

C. Installation Supervisor: Employ a qualified Installation Supervisor who will be responsible to ensure approved finished hardware is installed, adjusted and operates properly.

D. Installers: Employ experienced finish hardware installers who have been regularly employed by a Company installing finish hardware for a minimum of 5 years.

E. Pre-submittal Conference: Before Finish Hardware Submittals are written for submission, the Director's Representative will call a teleconference to review Finish Hardware Submittal requirements including but not limited to format, cover sheet, headings, hardware sets, level of detail, installation notes, description of operation, keying, and product data sheets. The Contractor, the Finish Hardware Distributor, the Finish Hardware Detailer, and consulting hardware designer, and OGS Designers shall attend. The OGS Finish Hardware Reviewer shall conduct the conference.

F. Keying Conference: Arrange conference with Owner, or designated representative, and Manufacturer's/ Hardware Supplier's Architectural Hardware Consultant to establish keying requirements. Incorporate keying conference decisions into Keying Schedule.

G. On Site Pre-installation Conference: Before finish hardware installation begins, the Director's Representative will call a conference at the site to review Finish Hardware Specifications, approved Finish Hardware Submittals, and to discuss requirements for the Work including:

1. Hardware delivery and storage.
2. Hardware labeling by door number.
3. Hardware locations.
4. Potential location conflicts.
5. Hardware installation sequence and responsibility.
6. Required accessories and fasteners.
7. Continuous hinge installation.
8. Surface overhead stops and closer template and adjustments.
9. Special tools and maintenance items.
10. Hardware Closeout requirements.
11. Hardware Warranties.

H. Pre-installation Conference Attendance: The Construction Contractor, Company Field Advisors, authorized Finish Hardware Installers, and the Finish Hardware Distributor's Architectural Hardware Consultant shall attend the conference. OGS's Finish Hardware Reviewer conducts the meeting. OGS designers and facility personnel may attend. The Company Field Advisors will present installation instruction and advice.

I. Pre-Benchmark-Construction Meeting: Prior to the construction of the mock-up, a meeting will be held at the site to review the requirements, and discuss the intent of the mock-up. The meeting will be scheduled by the Director's Representative and conducted by the Hardware Designer. The meeting shall be attended by the Director's Representative, the Hardware Designer, the Contractor's onsite foreman, the person supervising this phase of the Work (if different), and the person (people) who will be performing the work.

J. Construction of Benchmark: Before installing portions of the Work requiring benchmarks, install benchmarks for each form of construction required to comply with the following requirements, using materials indicated for the completed Work.

1. Build hardware benchmark in door and frame assembly, specified in section 081102, in locations as directed, and include continuous hinge, lockset, closer, surface overhead stop and gaskets.
2. Notify the Director's Representative in advance of dates and times when benchmark will be constructed.
3. Install benchmark with supervisor oversight and workers who will be employed during the construction of the Work.
4. Construct benchmarks using the exact materials, products, methods, and workmanship that were approved for the Work.
5. Obtain Director's Representative's approval of benchmarks before starting work, fabrication, or construction.
6. Maintain benchmarks during construction in an undisturbed condition as a standard for judging the completed Work.
7. Failure to maintain this standard of quality will be cause for rejection of the Work.
8. Benchmark may be used in the Work unless otherwise indicated.

K. Uniformity of Hardware and Single Source Responsibility: For each kind of hardware provide product(s) of a single manufacturer.

L. Size Variations: Manufacturers' products may vary slightly from sizes specified except where minimum size or thickness is specified.

1.08 WARRANTY

A. Manufacturer's Warranty: Ten year minimum warranty for door closers.

B. Manufacturer's Warranty: Three year minimum for locksets.

1.09 MAINTENANCE

A. Special Tools: At the conclusion of finish hardware installation, turn over to Owner's Representative 2 sets of each special tools required for proper installation and adjustment of hardware, together with a list of these tools and their purpose.

B. Lubricants: Provide manufacturer's recommended lubricants for locksets and closers sufficient for 1 year of maintenance. Turn over to Director's Representative.

PART 2 PRODUCTS

2.01 ACCESSORIES

A. Provide brackets, plates, arms, spacers, and special templates to mount door closers in combination with overhead stops and coordinators, on narrow top rails and for special ceiling and jamb conditions.

B. Provide curved lip strikes, with wrought boxes, specific to individual lock functions. Universal strikes that fit a variety of lock functions are not acceptable.

2.02 FASTENINGS

A. Provide fasteners that harmonize with finish hardware material and finish.

B. Provide torx center pin security fasteners for exposed hardware, including full mortise hinges.

C. Provide machine screws for hardware secured to metal; and machine screws and metal expansion shields for attachment to masonry substrates. Self-tapping or self-drilling screws are not acceptable.

D. Provide undercut shallow head torx center pin security fasteners where necessary for proper seating.

E. Attach door closers and overhead stops with sex bolts.

2.03 MATERIALS AND FINISHES

A. General: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of finish hardware are indicated in this section and in the Hardware Groups.

B. Continuous Hinges
   1. Full height barrel-type manufactured from 14-gauge 304 stainless steel.
   2. .25” diameter stainless steel pins.
   3. Provide hinges without covers.

C. Locks, Latches and Bolts
   1. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.
   2. Provide 3/4” minimum throw on other latch bolts.
   3. Provide 1” minimum throw deadbolts.

D. Closers and Door Control Devices
   1. Closer bodies: Provide closer bodies with the same hole template pattern regardless of type or application.
   2. Closer arms: Non-handed forged steel.
   3. Closer size: Provide sized closers.

4. Provide all-weather fluid to eliminate seasonal adjustment of closer speed.
5. Powder coat closer body, arm, and adapter plate or pre-treat closer body, arm, and adapter plate with rust-inhibiting coating before painted finish is applied.

2.04 FINISH HARDWARE

A. Manufacturers:

1. MK - McKinney
2. RO - Rockwood
3. RU - Corbin Russwin
4. RF - Rixson
5. NO - Norton
6. PE - Pemko
7. SA - SARGENT
8. SU - Securitron
9. OT – Other
10. BE – Best Access

B. Hardware Sets:

Set: 1.0

Doors: EXSTA, EXSTB

4	Hinge, Full Mortise, Hvy Wt	T4A3386	US10BE	MK	087100
1	Rim Exit Device, Storeroom	ED5200 102959ET CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Threshold	See Architect's Detail		PE	087100
1	Gasketing	290-10BE-PK X 2891-10BE-PK - (1) Head x (2) Jambs		PE	087100
1	Sweep	18061-10BE-NB		PE	087100

Set: 1.1

Doors: 113, EX140, EX162

3	Hinge, Full Mortise, Hvy Wt	T4A3386	US10BE(SS)	MK	087100
1	Fire Rated Rim Exit, Classroom	ED5200A 102955ET CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Threshold	See Architect's Detail		PE	087100
1	Gasketing	290-10BE-PK X 2891-10BE-PK (1) Head x (2) Jambs		PE	087100
1	Sweep	18061-10BE-NB		PE	087100

Set: 2.0

Doors: EXB49, EXB63A

3	Hinge, Full Mortise, Hvy Wt	T4A3386	US10BE	MK	087100
1	Dormitory Lock	ML2065 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Threshold	See Architect's Detail		PE	087100
1	Gasketing	290-10BE-PK X 2891-10BE-PK (1) Head x (2) Jambs		PE	087100
1	Sweep	18061-10BE-NB		PE	087100

Set: 3.0 – NOT USED

Set: 4.0 – NOT USED

Set: 5.0

Doors: 510, 511, B48

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Fire Rated Rim Exit	ED5200AN 1029134ET-IN100 CT7SB (Supplied by Security Vendor)	613E	RU	281500
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Hub	AH Series (As Required)		RU	281500

Notes: Door closed & locked at all times. Presenting valid credential outside shunts door position switches & allows for authorized entrance. Operating inside trim activates request to exit switch shunting door contact and allowing authorized egress at all times.

Set: 6.0

Doors: 508, 509, B02, B49B, B53

4	Hinge, Full Mortise	TA2714	US10BE	MK	087100
2	Hinge, Full Mortise	TA2714 QC	US10BE	MK	087100
2	Fire Rated Surf Vert Rod, Storeroom	ED5470B 102959ET M55 M92 MELR CT7SB	613E	RU	087100
2	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
2	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Astragal Set	S771x6BL		PE	087100
2	ElectroLynx Harness - Frame	QC-C1500P		MK	087100
2	ElectroLynx Harness - Door	QC-CXXX (Size as Required)		MK	087100
1	Wiring Diagram	WD-SYSPK		SA	087100
1	Electronic Control	Card/Wall Reader			
2	Position Switch	DPS-M/W-BK		SU	087100
1	Power Supply	AQL-E1 Series (Amps & Relays as Required)		SU	087100

Notes: Door closed & locked at all times. Presenting valid credential outside shunts door position switches & allows for authorized entrance. Operating inside trim activates request to exit switch shunting door contact and allowing authorized egress at all times. With loss of power door remains locked.

Set: 7.0

Doors: B00A, B00B, B30, B30F, ST-P, ST-P2

6	Hinge, Full Mortise	TA2714	US10BE	MK	087100
2	Fire Rated Surf Vert Rod, Passage	ED5470B 102910ET M55	613E	RU	087100
2	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
2	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Astragal	S771x6BL		PE	087100

Set: 8.0

Doors: 140A, ST-A1A

3	Hinge, Full Mortise, Hvy Wt	T4A3786	US10BE	MK	087100
1	Fire Rated Rim Exit, Passage	ED5200A 102910ET	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs (at Fire Rated)		PE	087100
3	Silencer	608 (at Non-Fire Rated)		RO	087100

Set: 9.0

Doors: 100E, ST-A, ST-A1B, ST-A2, ST-A3, ST-A4, ST-A5, ST-B, ST-B2, ST-B3, ST-B4, ST-B5, ST-P

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Fire Rated Rim Exit, Passage	ED5200A 102910ET	613E	RU	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs (at Fire Rated)		PE	087100
3	Silencer	608 (at Non-Fire Rated)		RO	087100

Set: 9.2

Doors: 109B

1	All Hardware	By Fire Rated Assembly Manufacturer.		OT	

Set: 10.0

Doors: 132A, 132B, 141C, 150, 200B, 200C, 200D, 201, 202, 206, 207, 250, 300C, 300D, 400B, 400C, 405, 500C, 500D, B52, B57, ST-P2

6	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Dust Proof Strike	570	10BE	RO	087100
2	Flush Bolt	555	10BE	RO	087100
1	Access Control Mort Lock	IN100-ML20234 102X CT7SB (Supplied by Security Vendor)	613E	RU	281500
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Hub	AH Series (As Required)		RU	281500

Notes: Door closed & locked at all times. Presenting valid credential outside shunts door position switches & allows for authorized entrance. Operating inside trim activates request to exit switch shunting door contact and allowing authorized egress at all times.

Set: 10.1

Doors: 502F

6	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Dust Proof Strike	570	10BE	RO	087100
1	Flush Bolt	555	10BE	RO	087100
1	Access Control Mort Lock	IN100-ML20234 102X CT7SB (Supplied by Security Vendor)	613E	RU	281500
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
2	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
2	Silencer	608		RO	087100
1	Hub	AH Series (As Required)		RU	281500

Notes: Door closed & locked at all times. Presenting valid credential outside shunts door position switches & allows for authorized entrance. Operating inside trim activates request to exit switch shunting door contact and allowing authorized egress at all times.

Set: 11.0

Doors: B60

2	Hinge, Full Mortise	TA2714	US10BE	MK	087100
4	Hinge, Spring	1502	US10BE	MK	087100
2	Dust Proof Strike	570	10BE	RO	087100
1	Flush Bolt	555	10BE	RO	087100
1	Access Control Mort Lock	IN100-ML20234 102X CT7SB (Supplied by Security Vendor)	613E	RU	281500
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Astragal Set	S771x6BL		PE	087100
1	Hub	AH Series (As Required)		RU	281500

Notes: Door closed & locked at all times. Presenting valid credential outside shunts door position switches & allows for authorized entrance. Operating inside trim activates request to exit switch shunting door contact and allowing authorized egress at all times.

Set: 12.0

Doors: 115, 141A, 147, 205A, 300A, 300B, 303B, 303C, 304A, 304B, 304C, 310A, 311A, 400A, 402A, 406A, 407A, 407B, 501, 503, 504, 506, 507B, 507G, B40, B46A, B47, B54, B63, B64

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Access Control Mort Lock	IN100-ML20234 102X CT7SB (Supplied by Security Vendor)	613E	RU	281500
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Hub	AH Series (As Required)		RU	281500

Notes: Door closed & locked at all times. Presenting valid credential outside shunts integrated door position switches & allows for authorized entrance. Operating inside trim activates request to exit switch in lock shunting integrated door position switch and allowing authorized egress at all times.

Set: 13.0

Doors: 301, 302, 305, 306, B56

3	Hinge, Full Mortise, Hvy Wt	T4A3786	US10BE	MK	087100
1	Access Control Mort Lock	IN100-ML20234 102X CT7SB (Supplied by Security Vendor)	613E	RU	281500
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Hub	AH Series (As Required)		RU	281500

Notes: Door closed & locked at all times. Presenting valid credential outside shunts integrated door position switches & allows for authorized entrance. Operating inside trim activates request to exit switch in lock shunting integrated door position switch and allowing authorized egress at all times.

Set: 14.0

Doors: 111, 112, 200A, 203A, 401, 500B, 501D, 505A, 505B, 507F, B31, B32, B51, B55

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Access Control Mort Lock	IN100-ML20234 102X CT7SB (Supplied by Security Vendor)	613E	RU	281500
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Hub	AH Series (As Required)		RU	281500

Notes: Door closed & locked at all times. Presenting valid credential outside shunts integrated door position switches & allows for authorized entrance. Operating inside trim activates request to exit switch in lock shunting integrated door position switch and allowing authorized egress at all times.

Set: 15.0

Doors: 502D

6	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Dust Proof Strike	570	10BE	RO	087100
2	Flush Bolt	555	10BE	RO	087100
1	Deadbolt	DL4113 CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Pair Flush Pull	94BTB	10BE	RO	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
2	Silencer	608		RO	087100

Set: 16.0

Doors: 507D

6	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Dust Proof Strike	570	10BE	RO	087100
2	Flush Bolt	555	10BE	RO	087100
1	Storeroom Lock	ML2057 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
2	Silencer	608		RO	087100
1	Gasketing	S773BL (at Kitchen Storage)		PE	087100
1	Astragal Set	S771x6BL (at Kitchen Storage)		PE	087100
2	Sweeps	18100DNB (at Kitchen Storage)		PE	087100

Set: 17.0

Doors: 350, 351, 450A, 451, B01, B05, B08, B09, B10, B44, B50A, B50B

6	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Dust Proof Strike	570	10BE	RO	087100
2	Flush Bolt	555	10BE	RO	087100
1	Storeroom Lock	ML2057 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Astragal Set	S771x6BL		PE	087100

Set: 18.0 – NOT USED

Set: 19.0

Doors: 507E, 513A

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Storeroom Lock	ML2057 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
3	Silencer	608		RO	087100

Set: 20.0

Doors: 101, 101B, 111A, 450, B04A, B30A, B33A, B33B, B33C, B33D, B33E, B46, B49

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Storeroom Lock	ML2057 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100

Set: 21.0

Doors: 400D, B04B, B04C, B06, B07, B41, B42, B52A, B52B

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Storeroom Lock	ML2057 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100

Set: 22.0

Doors: 201A, 201B, 201C, 206A, 206B, 206C, 206D, 206E, 206F, 206G, 207A, 207B, 207C, 302A, 302B, 302C, 401A, 401B, 401C, 405A, 405B, 405C, 501A, 501B, 501C, 507C

4	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Entrance Lock	ML2054 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
3	Silencer	608		RO	087100

Set: 22.1

Doors: 101A, 101C

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Entrance Lock	ML2054 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100

Set: 23.0

Doors: 100C, 122A, 122B, 123A, 123B, 140B

6	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Dust Proof Strike	570	10BE	RO	087100
2	Flush Bolt	555	10BE	RO	087100
1	Classroom Lock	ML2055 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
2	Silencer	608		RO	087100

Set: 24.0

Doors: 140, 141B, 145, 253

6	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Dust Proof Strike	570	10BE	RO	087100
1	Combination Flush Bolt Set	2845 (Metal Doors)/2945 (Wood Doors)	10BE	RO	087100
1	Classroom Lock	ML2055 102X CT6B	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
2	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Coordinator	1700 (Black Powder Coat)	PC	RO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100
1	Astragal Set	S771x6BL		PE	087100

Set: 25.0

Doors: 108

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Classroom Lock	ML2055 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (at Fire Rated)		PE	087100
3	Silencer	608 (at Non-Fire Rated)		RO	087100

Set: 26.0

Doors: 146, 148, 303A, 514, 515

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Classroom Lock	ML2055 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
3	Silencer	608		RO	087100

Set: 27.0 – NOT USED

Set: 28.0

Doors: 203, 205, 303, 304, 310, 311, 402, 406, 407

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Classroom Lock	ML2055 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100

Set: 29.0

Doors: 106, 107

3	Hinge, Full Mortise, Hvy Wt	T4A3786	US10BE	MK	087100
1	Classroom Lock	ML2055 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100

Set: 29.1

Doors: 113A

3	Hinge, Full Mortise, Hvy Wt	T4A3786	US10BE	MK	087100
1	Classroom Lock	ML2055 102X CT7SB	613E	RU	087100
1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Surf Overhead Stop	9-336	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100

Set: 30.0

Doors: 507A

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Privacy Lock	ML2060 102X V21	613E	RU	087100
1	Conc Overhead Stop	1-X36	613E	RF	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
3	Silencer	608		RO	087100

Set: 31.0

Doors: 142, 251

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Privacy Lock	ML2060 102X V21	613E	RU	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs		PE	087100

Set: 32.0 – NOT USED

Set: 33.0

Doors: 407C

3	Hinge, Full Mortise	TA2714	US10BE	MK	087100
1	Door Pull	108	10BE	RO	087100
1	Push Plate	70C-RKW	10BE	RO	087100
1	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Door Stop	RM850 / RM860	US10BE	RO	087100
3	Silencer	608		RO	087100

Set: 34.0

Doors: 109A, R01

1	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
1	Cylinder	As Required x Temp Core CT7SB	613E	RU	087100

Notes: Balance of hardware by assembly supplier.

Set: 35.0

1	Additional Information Required	No Hardware Specified		OT	

Set: 36.0 – NOT USED

Set: 37.0

Doors: 102

8	Hinge, Full Mortise, Hvy Wt	T4A3786	US10BE	MK	087100
2	Fire Rated Surf Vert Rod, Classroom	ED5470B 102955ET M55 CT7SB	613E	RU	087100
2	Permanent Core	Keying to be determined at keying meeting	606	BE	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
2	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100
1	Gasketing	S773BL (1) Head x (2) Jambs (at Fire Rated)		PE	087100
1	Astragal Set	S771x6BL		PE	087100

Set: 38.0

Doors: 401D, 405D, 501E

8	Hinge, Full Mortise, Hvy Wt	T4A3786	US10BE	MK	087100
4	Door Pull	RM3301-24	10BE	RO	087100
2	Conc Overhead Stop	1-X36	613E	RF	087100
2	Surface Closer	9500 / P9500 (Mounting Plate as required)	613E	NO	087100

Set: SURVEY-1

Doors: ST-C1

3 Hinge	Full Mortise - Standard - 4-1/2"x4-1/2" - 5K - Ball Bearing
1 Exit Device	Rim - Nightlatch - Escutcheon - Pull
1 Electric Strike	Rim Exit Device
1 Closer	Surface - Push Side - Parallel
1 Electronic Control	Card/Wall Reader

Set: SURVEY-4

Doors: E103A, E103B

8 Hinge	Full Mortise - Heavy - 5"x4-1/2" - 5K - Ball Bearing - Decorative Tip
1 Bolt	Concealed - Lever Extension
1 Lockset	Mortise - Non-Electrified - Passage (F01) - Escutcheon - Knob
1 Lockset	Deadbolt
1 Lockset	Mortise - Non-Electrified - Dummy

Set: SURVEY-11

Doors: E100A

4 Hinge	Full Mortise - Heavy - 5"x4-1/2" - 5K - Ball Bearing - Decorative Tip
1 Bolt	Concealed - Lever Extension
1 Lockset	Mortise - Non-Electrified - Ent/Off (F04) - Escutcheon - Knob
1 Lockset	Deadbolt - Mortise
1 Lockset	Mortise - Non-Electrified - Dummy
1 Astragal	Flat Astragal - Wood - Surface

Set: SURVEY-12

Doors: E405

4 Hinge	Full Mortise - Heavy - 5"x4-1/2" - 5K - Ball Bearing - Decorative Tip
1 Bolt	Concealed - Lever Extension

1 Bolt	Surface - Top and bottom bolt
1 Lockset	Mortise - Non-Electrified - Ent/Off (F04) - Escutcheon - Knob
1 Closer	Surface - Pull Side - Regular
1 Astragal	Flat Astragal - Steel

Set: SURVEY-16

Doors: EB04

6 Hinge	Full Mortise - Heavy - 5"x4-1/2" - 5K - Ball Bearing - Decorative Tip
2 Bolt	Slide bolt
1 Lockset	Deadbolt - Cylindrical - Cylinder x thumbturn
1 Lockset	Mortise - Non-Electrified - Ent/Off (F04) - Pull handle

Set: SURVEY-18

Doors: E100C

4 Hinge	Full Mortise - Heavy - 5"x4-1/2" - 5K - Ball Bearing - Decorative Tip
1 Bolt	Concealed - Lever Extension
1 Bolt	Surface - Top and bottom bolt
1 Bolt	Slide bolt
1 Lockset	Mortise - Non-Electrified - Passage (F01) - Escutcheon - Knob
1 Lockset	Deadbolt - Mortise
1 Lockset	Deadbolt
1 Closer	Surface - Pull Side - Regular
1 Stop	

Set: SURVEY-19

Doors: EB02

6 Hinge	Half Mortise - 5
2 Bolt	Surface Cane bolt Cane bolt
2 Push/Pull	Pull - Pull Plates
2 Push/Pull	Push - Push Plates
2 Closer	Surface - Pull Side - Regular

Set: SURVEY-20

Doors: EB03

6	Hinge	Half Mortise - 5
2	Bolt	Surface Cane bolt Cane bolt
2	Push/Pull	Pull - Pull Plates
2	Push/Pull	Push - Push Plates
2	Closer	Surface - Pull Side - Regular

Set: SURVEY-22

Doors: EB34

1	Pivot	Pivot - CUSTOM

Set: SURVEY-25

Doors: EB05

2	Pivot	Pivot - CUSTOM
1	Bolt	Surface Cane bolt Cane bolt
1	Lockset	Deadbolt
1	Lockset	Cylindrical - Non-Electrified - Dummy

Set: SURVEY-28

Doors: EB58

6	Hinge	Full Mortise - Heavy - 5"x4-1/2" - 5K - Ball Bearing - Decorative Tip
1	Bolt	Concealed - Lever Extension
1	Lockset	Mortise - Non-Electrified - Ent/Off (F04) - Escutcheon - Knob
1	Lockset	Mortise - Non-Electrified - Dummy

Set: SURVEY-30

Doors: E100, E111, EB22, EXB63

1	Existing Opening	To Remain	OT

Set: SURVEY-31

Doors: E103C, EB03C, EB13, EST-P, EST-P2, ST-B1

1 Existing Hardware	To be restored	OT

Notes: Existing Opening to be pinned open/closed - See Door Schedule

Set: SURVEY-32

Doors: E100B, E103A, E103B, E105A, E105B, E105D, E130, E130B, E130C, E225A, E225B, E225D, E225E, E252, EB09, EB31, EB33, EB58A

1 Existing Hardware	Restore or Replace as Required	OT

Set: SURVEY-33

Doors: E102, E103, E104, E105C, EB03B

1 Existing Hardware	Restore or Replace as Required	OT
1 Modify As Required	See Security Drawings for Requirements	OT

2.05 KEYING

A. Continue existing Best Small Format Interchangeable Core key system established for Facility.
   1. Stamp key symbol on one side of key, and "Do Not Duplicate" on other side of key.
   3. Furnish one copy of factory bitting list to facility.
   4. Factory key cylinders.
   5. Furnish 3 cut keys for each master key.
   6. Furnish 7 cut keys for each keyed lockset.
   7. These cut key quantities are for bidding purposes only. Actual number of cut keys required will be determined at keying meeting.
   8. When lockset and cylinder are by different manufacturers, identify and furnish correct cylinder cam to operate lockset.
   9. Provide compression rings and spacers to achieve proper spacing relationship between cylinder and face of door.

B. Keying Conference
   1. Immediately following contract award, Director's Representative will schedule a keying conference to develop a written key schedule that reflects Facility's specific keying requirements. Facility Representative(s), Hardware Distributor, Consulting Hardware Designer, and OGS's Hardware Designer will attend.
   2. Incorporate this schedule in Finish Hardware Submittals for approval.

PART 3 EXECUTION

3.01 EXAMINATION

A. Examine doors and frames and related items for conditions such as, but not limited to, incorrect handing, hardware preparation, misaligned lock and strike preparations, that would prevent proper application of finish hardware. Do not proceed until defects are corrected.

B. Report conditions or hardware applications that are incorrect to the Director's Representative.

3.02 INSTALLATION

A. Do not proceed with installation of finish hardware prior to attending referenced pre-installation conference.

B. Best Lock Wireless locks:
Portals and Software to be installed by factory certified personnel to insure a fully functioning system. Commissioning and end user training is to be included.

C. Installation Sequence: Use proper installation sequence, i.e., install coordinators, and overhead stops and holders before surface mounted door closers.

D. Install hardware in accordance with manufacturer's printed installation instructions, and adjust for smooth operation, free of sticking, binding or rattling.
   1. Template surface overhead stops and holders for proper operation
   2. Template and adjust closers for proper operation.

E. Use proper tools and methods to prevent scratches, burrs or other defacement.

F. Threshold Installation:
   1. Drill holes 3 inches from each end of threshold and intermediate holes 12 inches maximum o.c. for required fasteners. Prepare holes for countersunk fasteners.
   2. Level and align thresholds with frames and doors. Where required, use non-corrosive shims.
   3. Exterior Doors: Set thresholds in a solid bed of Type 3 sealant.
   4. Secure thresholds to substrate with countersunk fasteners.

G. Door Bottom Installation:
   1. Mount sweep type door bottom protection/drip caps on exterior side of doors.
   2. Before mounting apply Type 2 sealant on the back side of bearing surface. Secure to door with required fasteners.

H. Gasket Installation:
   1. Install continuous stripping at each opening without unnecessary interruptions.
   2. Where fasteners are required, secure fasteners for stripping and seals so they will not work loose during door operation. Exposed heads of fasteners shall be free of sharp edges.
   3. Coordinate meeting stile gasket with hardware before installation.
   4. Install units plumb and level at the optimum location to maintain a permanent effective seal.

I. After installation, cover and protect hardware to prevent damage during remaining construction. Remove protection upon completion of construction.

3.03 LOCATIONS

A. Locate hardware as follows:
   1. Door Closers: Template for maximum door swing allowed by wall placement and jamb conditions. Where overhead stop prevents door from swinging to wall, template the closer to exceed degree of opening allowed by overhead stop.
   2. Protection Plates: 1/8 inch from door bottom.
   3. Wall Stops: Centerline of bumper to match centerline of locking trim.

3.04 FIELD QUALITY CONTROL

A. Post Installation Review: After hardware is adjusted for proper operation, Director's Representative will hold a Post-Installation Review with the Contractor, Hardware Designer, Company Field Advisors, Hardware Distributor and Hardware Installers.
   1. Physically inspect to verify proper application, installation, adjustment and operation of finish hardware, and in particular that:
      a) Latches engage freely without binding. Filing of strike plates to relieve latch bind is not acceptable.
      b) Closers are adjusted for proper spring power; sweep speed, latching speed; and hydraulic back check.
      c) Locations and proper attachment of installed protective hardware are as specified.
      d) There is no field modification of fasteners.
      e) Damaged fasteners are replaced.
   2. Defective hardware is repaired or replaced.
   3. Hardware is to be left clean and free from disfigurement.

B. Turn referenced Operations and Maintenance Manuals over to Facility through Director's Representative.

END OF SECTION

SECTION 096519

RESILIENT TILE FLOORING

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Plywood Underlayment: Section 061000.

1.02 SUBMITTALS

A. Product Data: Manufacturer's specifications, and surface preparation and installation instructions, for each material specified except primer.

B. Samples:
   1. Resilient Tile: Full size, each type, size, and color required.
   2. Base: 12 inch long sections, each type, size, and color required.
   3. Edge Strips: 12 inch long sections, each type and color required.
   4. Color Samples: Manufacturer's standard colors, patterns, and textures.

C. Quality Control Submittals:
   1. Certificates: Certificates required under Quality Assurance Article.

D. Contract Closeout Submittals:
   1. Maintenance Data: Deliver 2 copies covering the installed products, to the Director's Representative.

1.03 QUALITY ASSURANCE

A. Compatibility of Materials: For each type of tile specified, furnish associated materials made by or recommended by the tile manufacturer.

B. Certifications: Furnish certification from flooring installer that the substrate surfaces have been examined and are acceptable for installation of the Work of this Section.

C. Performance Criteria:
   1. The following criteria are required for products included in this section:
      a. All tile flooring must be certified as compliant with the FloorScore standard by an independent third-party.
      b. Adhesives must not exceed the volatile organic compound (VOC) content limits established in South Coast Air Quality Management District (SCAQMD) Rule 1168.

1.04 PROJECT CONDITIONS

A. Environmental Requirements: Make arrangements thru the Director's Representative for having the temperature in the spaces to receive flooring

maintained at 68 degrees F for 48 hours prior to flooring installation, during the installation, and for 48 hours after installation.

B. Condition flooring materials by placing them in the spaces where they will be installed for at least 48 hours prior to installation.

1.05 MAINTENANCE

A. Extra Materials:
   1. Furnish extra tile, equal to 2 percent of the tile installed, of each type and color of tile required. The extra tile shall be from the same run and lot number as the installed tile.
   2. Place extra materials in storage at the site where directed.

PART 2 PRODUCTS

2.01 MATERIALS

A. Drill Hall Mezzanine: Basis of design is Gerflor Mipolam Accord, semi-directional homogeneous flooring installed per manufacturer's directions. Color per finish schedule.

B. Drill Hall: Subject to compliance with requirements, provide Gerflor GTI Max Connect per finish schedule. Modular tile flooring a 6mm thick modular tile with dovetail connections. Includes a reinforced 2mm thick wear layer with pressed design, (2) fiberglass grids for extreme dimensional stability and 100% recycled interlayer and base. Protected by the PUR+ surface treatment.
   1. Underlayment: tiles should be adhered to two layers of 3/8" plywood laid in opposing directions with adhesive added between each layer.

C. Rubber Base: FS SS-W-40, Type I; 4 inches high, 1/8 inch gage; with matching preformed external corner units.

D. Vinyl Base: FS SS-W-40, Type II; 4 inches high, 0.080 inch gage, with matching preformed external corner units.
   1. Style: Cove wall base with standard toe.
   2. Style: Straight wall base without cove.
   3. Adhesive and Filler/Wall Patch: As recommended by the base manufacturer for the type of substrate indicated.

E. Metal Edge Strips: Extruded aluminum, mill finish; butt type for concealed anchorage; countersunk stainless steel fasteners, with anchors suitable for type of subfloor indicated.

F. Resilient Edge Strips: Homogeneous vinyl; not less than one inch wide, 1/8 inch gage; tapered bullnose edge.
   1. Color/Pattern: Matching floor tile.

G. Resilient Feature Strips: Same material composition and gage as adjoining floor tile. Size and color/pattern shall be as shown on the Drawings.

H. Underlayment:
   1. Mastic Type: Latex underlayment or other mastic underlayment recommended by flooring material manufacturer for the type of substrate indicated.
   2. Felt: No. 15 asphalt saturated felt.

I. Primer for Porous or Dusty Concrete: Tile adhesive manufacturer's recommended primer for preparation of porous or dusty concrete.

J. Tile Adhesive: Water resistant, formulated for application on type of subfloor indicated, and recommended by the tile manufacturer.

K. Floor Finish: FS P-W-155; heavy traffic water emulsion floor wax, minimum 16 percent total solids.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verification of Conditions:
   1. Examine substrate surfaces to receive the Work of this Section for defects that will adversely affect the execution and quality of the Work. Do not proceed until unsatisfactory conditions are corrected, and installer's substrate surface acceptability certification has been acknowledged by the Director's Representative.
      a. Concrete Subfloor Bond Tests: Check for surface moisture and coatings on concrete subfloor by bond tests as recommended by the tile manufacturer.
   2. Do not install the Work of this Section until after all other finishing operations, including painting, have been completed unless otherwise indicated or directed by the Director's Representative.
      a. Where movable partitions are indicated, install flooring before partitions are erected without interrupting floor pattern.

3.02 SURFACE PREPARATION

A. Unless otherwise specified, follow the materials manufacturers' written instructions.

B. Remove dirt, grease, oil, paint, varnish, wax, sealers, and other contaminants which may impair the full bonding of the materials.

C. Concrete Subfloor:
   1. Remove trowel marks or other projections by grinding or sanding.
   2. Level uneven surfaces with smooth troweling of mastic underlayment. Follow underlayment manufacturer's application and curing instructions.
   3. Provide a substrate surface with not more than 1/8 inch in 10'-0" variation from level or required slope.

4. If recommended by flooring material manufacturer, treat porous and dusty concrete with primer after vacuum cleaning the surface. Apply primer at the rate recommended by the primer manufacturer.

D. Plywood: Per manufacturers guidelines.

E. Immediately before application of the flooring adhesive, vacuum clean the prepared subfloor surface.

3.03 INSTALLATION

A. Interlocking gerflor tiles are to be adhered to two layers of 3/8" plywood laid down in opposing direction. Add adhesive between plywood layers and secure assembly to existing Drill Hall floor with stainless steel screws. Match tile units for color and pattern by using the tile in manufactured and packaged sequence.
1. Lay all tile units with grain running in the same direction.

B. Install tile units in adhesive bed in compliance with manufacturer's printed instructions. Butt tile units tightly to vertical surfaces, thresholds, nosings, and edgings. Scribe tile around obstructions and openings as necessary to produce neat joints. Install tile evenly in straight, parallel lines. Extend tile into toe spaces, door reveals, closets and other similar openings.

C. Install tile on pan type access cover plates for electrical and telephone ducts and other such items which occur within finished resilient tile floor areas. Maintain color and pattern continuity with tile installed on such areas.

D. Install resilient edge strips at unprotected edges of flooring, unless otherwise indicated.

E. Install metal edge strips where indicated. Securely fasten in place.

F. Install resilient base in compliance with manufacturer's printed instructions. Install base on walls, partitions, columns, and permanent fixtures unless otherwise indicated. Install base in as long lengths as practicable, with preformed external corner units. Miter internal corners. Scribe and fit base to door frames and other interruptions.
1. On masonry and other irregular surfaces, fill voids behind base with filler/wall patch.

3.04 CLEANING

A. Remove any excess adhesive and other surface soiling from face of installed materials with cleaning agents recommended by the manufacturer of the material being cleaned.

3.05 PROTECTION

A. Protect installed flooring from traffic and damage. Apply non-staining kraft paper covering where necessary. Maintain covering until directed to remove it by the Director's Representative.

3.06 FINISHING

A. Prior to the final inspection, when directed by the Director's Representative, thoroughly clean tile floors and accessories. Apply 2 coats of floor finish and buff to finish. Comply with the tile manufacturer's recommended cleaning, finishing, and buffing procedures.

END OF SECTION

SECTION 271500

COMMUNICATIONS HORIZONTAL CABLING

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

A. Section Includes:
   1. UTP cabling.
   2. 50/125-micrometer, optical fiber cabling.
   3. Coaxial cable.
   4. Multiuser telecommunications outlet assemblies.
   5. Cable connecting hardware, patch panels, and cross-connects.
   6. Telecommunications outlet/connectors.
   7. Cabling system identification products.
   8. Cable management system.

B. Definitions:
   1. BICSI: Building Industry Consulting Service International.
   2. Consolidation Point: A location for interconnection between horizontal cables extending from building pathways and horizontal cables extending into furniture pathways.
   3. Cross-Connect: A facility enabling the termination of cable elements and their interconnection or cross-connection.
   4. EMI: Electromagnetic interference.
   5. IDC: Insulation displacement connector.
   6. LAN: Local area network.
   7. MUTOA: Multiuser telecommunications outlet assembly, a grouping in one location of several telecommunications outlet/connectors.
   8. Outlet/Connectors: A connecting device in the work area on which horizontal cable or outlet cable terminates.
   9. RCDD: Registered Communications Distribution Designer.
   10. UTP: Unshielded twisted pair.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Coordinate layout and installation of telecommunications cabling with Owner's telecommunications and LAN equipment and service suppliers.

B. Coordinate telecommunications outlet/connector locations with location of power receptacles at each work area.

1.04 ACTION SUBMITTALS

A. Product Data: For each type of product:
   1. For coaxial cable, include the following installation data for each type used:
      a. Nominal OD.
      b. Minimum bending radius.
      c. Maximum pulling tension.

B. Shop Drawings:
   1. System Labeling Schedules: Electronic copy of labeling schedules, in software and format selected by Owner.
   2. System Labeling Schedules: Electronic copy of labeling schedules that are part of the cabling and asset identification system of the software.
   3. Cabling administration drawings and printouts.
   4. Wiring diagrams to show typical wiring schematics, including the following:
      a. Cross-connects.
      b. Patch panels.
      c. Patch cords.
   5. Cross-connects and patch panels. Detail mounting assemblies and show elevations and physical relationship between the installed components.

1.05 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer, qualified layout technician, installation supervisor, and field inspector.

B. Source quality-control reports.

C. Field quality-control reports.

1.06 CLOSEOUT SUBMITTALS

A. Maintenance Data: For splices and connectors to include in maintenance manuals.

B. Software and Firmware Operational Documentation:
   1. Software operating and upgrade manuals.
   2. Program Software Backup: On magnetic media or compact disk, complete with data files.
   3. Device address list.
   4. Printout of software application and graphic screens.

1.07 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Patch-Panel Units: 1 of each type.
2. Connecting Blocks: 4 of each type.
3. Device Plates: 10 of each type.
4. Multiuser Telecommunications Outlet Assemblies: 4 of each type.

1.08 QUALITY ASSURANCE

A. Installer Qualifications: Cabling Installer must have personnel certified by BICSI on staff.
   1. Layout Responsibility: Preparation of Shop Cabling Administration Drawings, and field testing program development by an RCDD.
   2. Installation Supervision: Installation shall be under the direct supervision of Level 2 Installer, who shall be present at all times when Work of this Section is performed at Project site.
   3. Testing Supervisor: Currently certified by BICSI as an RCDD to supervise on-site testing.

B. Testing Agency Qualifications: An NRTL:
   1. Testing Agency's Field Supervisor: Currently certified by BICSI as an RCDD to supervise on-site testing.

1.09 DELIVERY, STORAGE, AND HANDLING

A. Test cables upon receipt at Project site.
   1. Test optical fiber cables to determine the continuity of the strand end to end. Use optical loss test set.
   2. Test optical fiber cables while on reels. Use an optical time domain reflectometer to verify the cable length and locate cable defects, splices, and connector; including the loss value of each. Retain test data and include the record in maintenance data.
   3. Test each pair of UTP cable for open and short circuits.

PART 2 – PRODUCTS

2.01 HORIZONTAL CABLING DESCRIPTION

A. Horizontal cable and its connecting hardware provide the means of transporting signals between the telecommunications outlet/connector and the horizontal cross-connect located in the communications equipment room. This cabling and its connecting hardware are called a "permanent link," a term that is used in the testing protocols.
   1. TIA/EIA-568-B.1 requires that a minimum of two telecommunications outlet/connectors be installed for each work area.
   2. Horizontal cabling shall contain no more than one transition point or consolidation point between the horizontal cross-connect and the telecommunications outlet/connector.
   3. Bridged taps and splices shall not be installed in the horizontal cabling.

4. Splitters shall not be installed as part of the optical fiber cabling.

B. A work area is approximately 100 sq. ft. (9.3 sq. m) and includes the components that extend from the telecommunications outlet/connectors to the station equipment.

C. The maximum allowable Cat 6A horizontal cable length is 295 feet (90 m). This maximum allowable length does not include an allowance for the length of 16 feet (4.9 m) to the workstation equipment or in the horizontal cross-connect.

2.02 PERFORMANCE REQUIREMENTS

A. General Performance: Horizontal cabling system shall comply with transmission standards in TIA/EIA-568-B.1 when tested according to test procedures of this standard.

B. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
   1. Flame-Spread Index: 25 or less.
   2. Smoke-Developed Index: 50 or less.

C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

D. Grounding: Comply with J-STD-607-A.

2.03 BACKBOARDS

A. Backboards: Plywood, fire-retardant treated, 3/4 by 48 by 96 inches (19 by 1220 by 2440 mm).

2.04 UTP CABLE

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following
   1. ADC.
   2. Belden Inc.
   3. Berk-Tek; a Nexans company.
   4. CommScope, Inc.
   5. Draka Cableteq USA.
   6. Genesis Cable Products; Honeywell International, Inc.
   7. Mohawk; a division of Belden Networking, Inc.
   8. Superior Essex Inc.
   9. SYSTIMAX Solutions; a CommScope, Inc. brand.
   10. 3M Communication Markets Division.
   11. Tyco Electronics Corporation; AMP Products.

B. Description: Cat 6A 100-ohm, four-pair UTP, capable to be formed into 25-pair, binder groups covered with a blue thermoplastic jacket.
   1. Comply with ICEA S-90-661 for mechanical properties.
   2. Comply with TIA/EIA-568-B.1 for performance specifications.
   3. Comply with TIA/EIA-568-B.2, Category 6e.
   4. Listed and labeled by an NRTL acceptable to authorities having jurisdiction as complying with UL 444 and NFPA 70 for the following types:
      a. Communications, Plenum Rated: Type CMP complying with NFPA 262.
      b. Communications, Plenum Rated, Riser Rated: Type CMR complying with UL 1666.
      c. Multipurpose Plenum Rated,: Type MP or MPG.
      d. Multipurpose, Plenum Rated: Type MPP, complying with NFPA 262.

2.05 UTP CABLE HARDWARE

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   1. ADC.
   2. American Technology Systems Industries, Inc.
   3. Belden Inc.
   4. Dynacom Inc.
   5. Hubbell Premise Wiring.
   6. Leviton Commercial Networks Division.
   7. Molex Premise Networks; a division of Molex, Inc.
   8. Panduit Corp.
   9. Siemon Co. (The).
   10. Tyco Electronics Corporation; AMP Products.

B. General Requirements for Cable Connecting Hardware: Comply with TIA/EIA-568-B.2, IDC type, with modules designed for punch-down caps or tools. Cables shall be terminated with connecting hardware of same category or higher.

C. Connecting Blocks: 110-style IDC for Category 6A. Provide blocks for the number of cables terminated on the block, plus 25 percent spare. Integral with connector bodies, including plugs and jacks where indicated.

D. Cross-Connect: Modular array of connecting blocks arranged to terminate building cables and permit interconnection between cables.
   1. Number of Terminals per Field: One for each conductor in assigned cables.

E. Patch Panel: Modular panels housing multiple-numbered jack units with IDC-type connectors at each jack for permanent termination of pair groups of installed cables.
   1. Number of Jacks per Field: One for each four-pair UTP cable indicated.

F. Jacks and Jack Assemblies: Modular, color-coded, eight-position modular receptacle units with integral IDC-type terminals.

G. Patch Cords: Factory-made, four-pair cables in 48-inch1200-mm lengths; terminated with eight-position modular plug at each end.
   1. Patch cords shall have bend-relief-compliant boots and color-coded icons to ensure Category 6A performance. Patch cords shall have latch guards to protect against snagging.
   2. Patch cords shall have color-coded boots for circuit identification.

2.06 OPTICAL FIBER CABLE

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   1. Belden Inc.
   2. Berk-Tek; a Nexans company.
   3. CommScope, Inc.
   4. Corning Cable Systems.
   5. CSI Technologies Inc.
   6. General Cable Technologies Corporation.
   7. Mohawk; a division of Belden Networking, Inc.
   8. Superior Essex Inc.
   9. SYSTIMAX Solutions; a CommScope, Inc. brand.
   10. 3M Communication Markets Division.
   11. Tyco Electronics Corporation; AMP Products.

B. Description: Multimode, 50/125-micrometer, 24-fiber, nonconductive, tight buffer, optical fiber cable.
   1. Comply with ICEA S-83-596 for mechanical properties.
   2. Comply with TIA/EIA-568-B.3 for performance specifications.
   3. Comply with TIA-492AAAB for detailed specifications.
   4. Listed and labeled by an NRTL acceptable to authorities having jurisdiction as complying with UL 444, UL 1651, and NFPA 70 for the following types:
      a. Plenum Rated, Nonconductive: Type OFNP, complying with NFPA 262.
      b. Plenum Rated, Riser Rated, Nonconductive: Type OFNR, complying with UL 1666.
      c. Plenum Rated, Conductive: Type OFCP, complying with NFPA 262.
      d. Plenum Rated, Riser Rated, Conductive: Type OFCR, complying with UL 1666.
   5. Conductive cable shall be steel or aluminum armored type.
   6. Maximum Attenuation: 3.50dB/km at 850 nm; 1.5dB/km at 1300 nm.
   7. Minimum Modal Bandwidth: 160 MHz-km at 850 nm; 500 MHz-km at 1300 nm.

C. Jacket:
   1. Jacket Color: Aqua for 50/125-micrometer cable.
   2. Cable cordage jacket, fiber, unit, and group color shall be according to TIA-598-C.

3. Imprinted with fiber count, fiber type, and aggregate length at regular intervals not to exceed 40 inches (1000 mm).

2.07 OPTICAL FIBER CABLE HARDWARE

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   1. ADC.
   2. American Technology Systems Industries, Inc.
   3. Belden Inc.
   4. Berk-Tek; a Nexans company.
   5. Corning Cable Systems.
   6. CSI Technologies Inc.
   7. Dynacom Inc.
   8. Hubbell Premise Wiring.
   9. Molex Premise Networks; a division of Molex, Inc.
   10. Siemon Co. (The).

B. Cross-Connects and Patch Panels: Modular panels housing multiple-numbered, duplex cable connectors.
   1. Number of Connectors per Field: One for each fiber strand of cable or cables assigned to field, plus spares and blank positions adequate to suit specified expansion criteria.

C. Patch Cords: Factory-made, dual-fiber cables in 48-inch (900-mm) lengths.

D. Cable Connecting Hardware:
   1. Comply with Optical Fiber Connector Intermateability Standards (FOCIS) specifications of TIA-604-2-B, TIA-604-3-B, and TIA/EIA-604-12. Comply with TIA/EIA-568-B.3.
   2. Quick-connect, simplex and duplex, Type [SC][ST][LC][MT-RJ] connectors. Insertion loss not more than 0.75 dB.
   3. Type SFF connectors may be used in termination racks, panels, and equipment packages.

2.08 COAXIAL CABLE

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   1. Alpha Wire Company.
   2. Belden Inc.
   3. Coleman Cable, Inc.
   4. CommScope, Inc.
   5. Draka Cableteq USA.

B. Cable Characteristics: Broadband type, recommended by cable manufacturer specifically for broadband data transmission applications. Coaxial cable and

accessories shall have 75-ohm nominal impedance with a return loss of 20 dB maximum from 7 to 806 MHz.

C. RG-11/U: NFPA 70, Type CATV.
   1. No. 14 AWG, solid, copper-covered steel conductor.
   2. Gas-injected, foam-PE insulation.
   3. Double shielded with 100 percent aluminum polyester tape and 60 percent aluminum braid.
   4. Jacketed with sunlight-resistant, black PVC or PE.
   5. Suitable for outdoor installations in ambient temperatures ranging from minus 40 to plus 85 DegC.

D. RG59/U: NFPA 70, Type CATVR.
   1. No. 20 AWG, solid, silver-plated, copper-covered steel conductor.
   2. Gas-injected, foam-PE insulation.
   3. Triple shielded with 100 percent aluminum polyester tape and 95 percent aluminum braid; covered by aluminum foil with grounding strip.
   4. Color-coded PVC jacket.

E. RG-6/U: NFPA 70, Type CATV or CM.
   1. No. 16 AWG, solid, copper-covered steel conductor; gas-injected, foam-PE insulation.
   2. Double shielded with 100 percent aluminum-foil shield and 60 percent aluminum braid.
   3. Jacketed with black PVC or PE.
   4. Suitable for indoor installations.

F. RG59/U: NFPA 70, Type CATV.
   1. No. 20 AWG, solid, copper-covered steel conductor; gas-injected, foam-PE insulation.
   2. Double shielded with 100 percent aluminum polyester tape and 40 percent aluminum braid.
   3. PVC jacket.

G. RG59/U (Plenum Rated): NFPA 70, Type CMP.
   1. No. 20 AWG, solid, copper-covered steel conductor; foam fluorinated ethylene propylene insulation.
   2. Double shielded with 100 percent aluminum-foil shield and 65 percent aluminum braid.
   3. Copolymer jacket.

H. NFPA and UL compliance, listed and labeled by an NRTL acceptable to authorities having jurisdiction as complying with UL 1655 and with NFPA 70 "Radio and Television Equipment" and "Community Antenna Television and Radio Distribution" Articles. Types are as follows:
   1. CATV Cable: Type CATV.
   2. CATV Plenum Rated: Type CATVP, complying with NFPA 262.

3. CATV Riser Rated: Type CATVR, complying with UL 1666.
4. CATV Limited Rating: Type CATVX.

2.09 COAXIAL CABLE HARDWARE

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   1. Emerson Network Power Connectivity Solutions.
   2. Leviton Commercial Networks Division.
   3. Siemon Co. (The).

B. Coaxial-Cable Connectors: Type BNC, 75 ohms.

2.10 MULTIUSER TELECOMMUNICATIONS OUTLET ASSEMBLY (MUTOA)

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   1. Belden Inc.
   2. Chatsworth Products, Inc.
   3. Hubbell Premise Wiring.
   4. Molex Premise Networks; a division of Molex, Inc.
   5. Ortronics, Inc.; a subsidiary of Legrand Group.
   6. Panduit Corp.
   7. Siemon Co. (The).

B. Description: MUTOAs shall meet the requirements for cable connecting hardware.
   1. Number of Terminals per Field: 1 for each conductor in assigned cables.
   2. Number of Connectors per Field:
      a. 1 for each four-pair UTP cable indicated.
      b. 1 for each four-pair conductor group of indicated cables, plus 25 percent spare positions.
   3. Mounting: Recessed in ceiling, Flush Wall, and Systems Furniture.
   4. NRTL listed as complying with UL 50 and UL 1863.
   5. Label shall include maximum length of work area cords, based on TIA/EIA-568-B.1.
   6. When installed in plenums used for environmental air, NRTL listed as complying with UL 2043.

2.11 TELECOMMUNICATIONS OUTLET/CONNECTORS

A. Jacks: 100-ohm, balanced, twisted-pair connector; four-pair, eight-position modular. Comply with TIA/EIA-568-B.1.

B. Workstation Outlets: Quantity as indicated on floor plans connector assemblies, UON mounted in single faceplate.
   1. Plastic Faceplate: High-impact plastic. Coordinate color with Section 262726 "Wiring Devices."

2. Metal Faceplate: Stainless steel complying with requirements in Section "Wiring Devices."
3. For use with snap-in jacks accommodating any combination of UTP, optical fiber, and coaxial work area cords.
    a. Flush mounting jacks, positioning the cord at a 45-degree angle.
4. Legend: Factory labeled by silk-screening or engraving for stainless steel faceplates.
5. Legend: Machine printed, in the field, using adhesive-tape label.

2.12 GROUNDING

A. Comply with requirements in Section "Service Grounding and Bonding" for grounding conductors and connectors.

B. Comply with J-STD-607-A.

2.13 IDENTIFICATION PRODUCTS

A. Comply with TIA/EIA-606-A and UL 969 for labeling materials, including label stocks, laminating adhesives, and inks used by label printers.

B. Comply with requirements in Section "Identification for Electrical Systems."

2.14 FLOOR MOUNTED ELECTRONICS EQUIPMENT RACK (EER)

A. Vertical front, steel frame, modular cabinet rack assembly; Similar to Middle Atlantic Products' MRK-4026, having:
1. Number of sections as required to house the system equipment.
    a. Each section 26.5 inches deep (minimum of 24" usable depth) by 19 inches wide panel space, 40U rack units. Note:
2. Front and Back Panels:
    a. Set of 4 leveling feet.
    b. Back panels hinged with locking door handle.
    c. Blank panels to cover front panel space where equipment is not installed.
    d. Louvers in back panel to provide adequate ventilation of components.
    e. Perforated front doors with lock and two keys.
    f. Black enamel finish.
3. Sliding Shelves.
    a. Provide sliding shelves for all keyboards.
4. Chassis support angles and equipment shelves:
    a. Provide fixed shelves for support of equipment that is not rack mountable.
5. Accessories as required for mounting and support of equipment.
6. Surge Protection Multi-outlet strips mounted within the enclosure with twelve 15 amp, 120V ac receptacles (3 wire grounding type). Provide two Surge Protection Multi-outlet strips per rack.

B. IDF Room [200D]
   1. Provide standard 2-post 19” rack 6”D, 7ft, min. 42RU.
   2. 6”W vertical cable managers, full height of the rack.
   3. Rack shall be bonded to building ground.
   4. PDU mounting bracket compatible with 2-post rack.

2.15 SOURCE QUALITY CONTROL

A. Testing Agency: Engage a qualified testing agency to evaluate cables.

B. Factory test UTP and optical fiber cables on reels according to TIA/EIA-568-B.1.

C. Factory test UTP cables according to TIA/EIA-568-B.2.

D. Factory test multimode optical fiber cables according to TIA-526-14-A and TIA/EIA-568-B.3.

E. Factory-sweep test coaxial cables at frequencies from 5 MHz to 1 GHz. Sweep test shall test the frequency response, or attenuation over frequency, of a cable by generating a voltage whose frequency is varied through the specified frequency range and graphing the results.

F. Cable will be considered defective if it does not pass tests and inspections.

G. Prepare test and inspection reports.

PART 3 – EXECUTION

3.01 ENTRANCE FACILITIES

A. Coordinate backbone cabling with the protectors and demarcation point provided by communications service provider.

3.02 WIRING METHODS

A. Install cables in pathways and cable trays except within consoles, cabinets, desks, and counters and except in accessible ceiling spaces and in gypsum board partitions where unenclosed wiring method may be used.
   1. Install plenum cable in environmental air spaces, including plenum ceilings.

B. Conceal conductors and cables in accessible ceilings, walls, and floors where possible.

C. Wiring within Enclosures:
   1. Bundle, lace, and train conductors to terminal points with no excess and without exceeding manufacturer's limitations on bending radii.
   2. Install lacing bars and distribution spools.

3. Install conductors parallel with or at right angles to sides and back of enclosure.

3.03 INSTALLATION OF CABLES

A. Comply with NECA 1.

B. General Requirements for Cabling:
   1. Comply with TIA/EIA-568-B.1.
   2. Comply with BICSI ITSIM, Ch. 6, "Cable Termination Practices."
   3. Install 110-style IDC termination hardware unless otherwise indicated.
   4. MUTOA shall not be used as a cross-connect point.
   5. Terminate conductors; no cable shall contain unterminated elements. Make terminations only at indicated outlets, terminals, cross-connects, and patch panels.
   6. Cables may not be spliced. Secure and support cables at intervals not exceeding 30 inches (760 mm) and not more than 6 inches (150 mm) from cabinets, boxes, fittings, outlets, racks, frames, and terminals.
   7. Install lacing bars to restrain cables, to prevent straining connections, and to prevent bending cables to smaller radii than minimums recommended by manufacturer.
   8. Bundle, lace, and train conductors to terminal points without exceeding manufacturer's limitations on bending radii, but not less than radii specified in BICSI ITSIM, "Cabling Termination Practices" Chapter. Install lacing bars and distribution spools.
   9. Do not install bruised, kinked, scored, deformed, or abraded cable. Do not splice cable between termination, tap, or junction points. Remove and discard cable if damaged during installation and replace it with new cable.
   10. Cold-Weather Installation: Bring cable to room temperature before dereeling. Heat lamps shall not be used for heating.
   11. In the communications equipment room, install a 10-foot- (3-m-) long service loop on each end of cable.
   12. Pulling Cable: Comply with BICSI ITSIM, Ch. 4, "Pulling Cable." Monitor cable pull tensions.

C. UTP Cable Installation:
   1. Comply with TIA/EIA-568-B.2.
   2. Do not untwist UTP cables more than 1/2 inch (12 mm) from the point of termination to maintain cable geometry.

D. Optical Fiber Cable Installation:
   1. Comply with TIA/EIA-568-B.3.
   2. Cable may be terminated on connecting hardware that is rack or cabinet mounted.

E. Open-Cable Installation:

1. Install cabling with horizontal and vertical cable guides in telecommunications spaces with terminating hardware and interconnection equipment.
2. Suspend UTP cable not in a wireway or pathway a minimum of 8 inches (200 mm) above ceilings by cable supports not more than 60 inches (1524 mm) apart.
3. Cable shall not be run through structural members or in contact with pipes, ducts, or other potentially damaging items.

F. Installation of Cable Routed Exposed under Raised Floors:
1. Install plenum-rated cable only.
2. Install cabling after the flooring system has been installed in raised floor areas.
3. Coil cable 6 feet (1800 mm) long not less than 12 inches (300 mm) in diameter below each feed point.

G. Outdoor Coaxial Cable Installation:
1. Install outdoor connections in enclosures complying with NEMA 250, Type 4X. Install corrosion-resistant connectors with properly designed O-rings to keep out moisture.
2. Attach antenna lead-in cable to support structure at intervals not exceeding 36 inches (915 mm).

H. Group connecting hardware for cables into separate logical fields.

I. Separation from EMI Sources:
1. Comply with BICSI TDMM and TIA-569-B for separating unshielded copper voice and data communication cable from potential EMI sources, including electrical power lines and equipment.
2. Separation between open communications cables or cables in nonmetallic raceways and unshielded power conductors and electrical equipment shall be as follows:
   a. Electrical Equipment Rating Less Than 2 kVA: A minimum of 5 inches (127 mm).
   b. Electrical Equipment Rating between 2 and 5 kVA: A minimum of 12 inches (300 mm).
   c. Electrical Equipment Rating More Than 5 kVA: A minimum of 24 inches (610 mm).
3. Separation between communications cables in grounded metallic raceways and unshielded power lines or electrical equipment shall be as follows:
   a. Electrical Equipment Rating Less Than 2 kVA: A minimum of 2-1/2 inches (64 mm).
   b. Electrical Equipment Rating between 2 and 5 kVA: A minimum of 6 inches (150 mm).
   c. Electrical Equipment Rating More Than 5 kVA: A minimum of 12 inches (300 mm).
4. Separation between communications cables in grounded metallic raceways and power lines and electrical equipment located in grounded metallic conduits or enclosures shall be as follows:

a. Electrical Equipment Rating Less Than 2 kVA: No requirement.
b. Electrical Equipment Rating between 2 and 5 kVA: A minimum of 3 inches (76 mm).
c. Electrical Equipment Rating More Than 5 kVA: A minimum of 6 inches (150 mm).

5. Separation between Communications Cables and Electrical Motors and Transformers, 5 kVA or HP and Larger: A minimum of 48 inches (1200 mm).
6. Separation between Communications Cables and Fluorescent Fixtures: A minimum of 5 inches (127 mm).

3.04 FIRESTOPPING

A. Comply with requirements in Section "Penetration Firestopping."

B. Comply with TIA-569-B, Annex A, "Firestopping."

C. Comply with BICSI TDMM, "Firestopping Systems" Article.

3.05 GROUNDING

A. Install grounding according to BICSI TDMM, "Grounding, Bonding, and Electrical Protection" Chapter.

B. Comply with J-STD-607-A.

C. Locate grounding bus bar to minimize the length of bonding conductors. Fasten to wall allowing at least 2-inch (50-mm) clearance behind the grounding bus bar. Connect grounding bus bar with a minimum No. 4 AWG grounding electrode conductor from grounding bus bar to suitable electrical building ground.

D. Bond metallic equipment to the grounding bus bar, using not smaller than No. 6 AWG equipment grounding conductor.

3.06 IDENTIFICATION

A. Identify system components, wiring, and cabling complying with TIA/EIA-606-A.
1. Administration Class: 1.
2. Color-code cross-connect fields. Apply colors to voice and data service backboards, connections, covers, and labels.
3. Coordinate with DMNA for cabling labeling requirements.

B. Using cable management system software specified in Part 2, develop Cabling Administration Drawings for system identification, testing, and management. Use unique, alphanumeric designation for each cable and label cable, jacks, connectors, and terminals to which it connects with same designation. At completion, cable and asset management software shall reflect as-built conditions.

C. Comply with requirements in Section "Interior Painting" for painting backboards. For fire-resistant plywood, do not paint over manufacturer's label.

D. Paint and label colors for equipment identification shall comply with TIA/EIA-606-A for Class 2 level of administration.

E. Cable Schedule: Post in prominent location in each equipment room and wiring closet. List incoming and outgoing cables and their designations, origins, and destinations. Protect with rigid frame and clear plastic cover. Furnish an electronic copy of final comprehensive schedules for Project.

F. Cabling Administration Drawings: Show building floor plans with cabling administration-point labeling. Identify labeling convention and show labels for telecommunications closets, backbone pathways and cables terminal hardware and positions, horizontal cables, work areas and workstation terminal positions, grounding buses and pathways, and equipment grounding conductors. Follow convention of TIA/EIA-606-A. Furnish electronic record of all drawings in software and format selected by Owner.

G. Cable and Wire Identification:
   1. Label each cable within 4 inches (100 mm) of each termination and tap, where it is accessible in a cabinet or junction or outlet box, and elsewhere as indicated.
   2. Each wire connected to building-mounted devices is not required to be numbered at device if color of wire is consistent with associated wire connected and numbered within panel or cabinet.
   3. Exposed Cables and Cables in Cable Trays and Wire Troughs: Label each cable at intervals not exceeding 15 feet (4.5 m).
   4. Label each terminal strip and screw terminal in each cabinet, rack, or panel.
      a. Individually number wiring conductors connected to terminal strips and identify each cable or wiring group being extended from a panel or cabinet to a building-mounted device shall be identified with name and number of particular device as shown.
      b. Label each unit and field within distribution racks and frames.
   5. Identification within Connector Fields in Equipment Rooms and Wiring Closets: Label each connector and each discrete unit of cable-terminating and connecting hardware. Where similar jacks and plugs are used for both voice and data communication cabling, use a different color for jacks and plugs of each service.
   6. Uniquely identify and label work area cables extending from the MUTOA to the work area. These cables may not exceed the length stated on the MUTOA label.

H. Labels shall be preprinted or computer-printed type with printing area and font color that contrasts with cable jacket color but still complies with requirements in TIA/EIA-606-A.
   1. Cables use flexible vinyl or polyester that flex as cables are bent.

3.07 FIELD QUALITY CONTROL

A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.

B. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect components, assemblies, and equipment installations, including connections.

C. Perform the following tests and inspections with the assistance of a factory-authorized service representative:
   1. Visually inspect UTP and optical fiber cable jacket materials for NRTL certification markings. Inspect cabling terminations in communications equipment rooms for compliance with color-coding for pin assignments and inspect cabling connections for compliance with TIA/EIA-568-B.1.
   2. Visually confirm Category 6a, marking of outlets, cover plates, outlet/connectors, and patch panels.
   3. Visually inspect cable placement, cable termination, grounding and bonding, equipment and patch cords, and labeling of all components.
   4. Test UTP backbone copper cabling for DC loop resistance, shorts, opens, intermittent faults, and polarity between conductors. Test operation of shorting bars in connection blocks. Test cables after termination but not cross-connection.
      a. Test instruments shall meet or exceed applicable requirements in TIA/EIA-568-B.2. Perform tests with a tester that complies with performance requirements in "Test Instruments (Normative)" Annex, complying with measurement accuracy specified in "Measurement Accuracy (Informative)" Annex. Use only test cords and adapters that are qualified by test equipment manufacturer for channel or link test configuration.
   5. Optical Fiber Cable Tests:
      a. Test instruments shall meet or exceed applicable requirements in TIA/EIA-568-B.1. Use only test cords and adapters that are qualified by test equipment manufacturer for channel or link test configuration.
      b. Link End-to-End Attenuation Tests:
         1) Horizontal and multimode backbone link measurements: Test at 850 or 1300 nm in 1 direction according to TIA-526-14-A, Method B, One Reference Jumper.
         2) Attenuation test results for backbone links shall be less than 2.0 dB. Attenuation test results shall be less than that calculated according to equation in TIA/EIA-568-B.1.
   6. UTP Performance Tests:
      a. Test for each outlet and MUTOA. Perform the following tests according to TIA/EIA-568-B.1 and TIA/EIA-568-B.2:
         1) Wire map.
         2) Length (physical vs. electrical, and length requirements).
         3) Insertion loss.
         4) Near-end crosstalk (NEXT) loss.
         5) Power sum near-end crosstalk (PSNEXT) loss.
         6) Equal-level far-end crosstalk (ELFEXT).
         7) Power sum equal-level far-end crosstalk (PSELFEXT).
         8) Return loss.

9) Propagation delay.
10) Delay skew.

7. Optical Fiber Cable Performance Tests: Perform optical fiber end-to-end link tests according to TIA/EIA-568-B.1 and TIA/EIA-568-B.3.
8. Final Verification Tests: Perform verification tests for UTP and optical fiber systems after the complete communications cabling and workstation outlet/connectors are installed.
    a. Voice Tests: These tests assume that dial tone service has been installed. Connect to the network interface device at the demarcation point. Go off-hook and listen and receive a dial tone. If a test number is available, make and receive a local, long distance, and digital subscription line telephone call.
    b. Data Tests: These tests assume the Information Technology Staff has a network installed and is available to assist with testing. Connect to the network interface device at the demarcation point. Log onto the network to ensure proper connection to the network.

D. Document data for each measurement. Data for submittals shall be printed in a summary report that is formatted similar to Table 10.1 in BICSI TDMM, or transferred from the instrument to the computer, saved as text files, and printed and submitted.

E. End-to-end cabling will be considered defective if it does not pass tests and inspections.

F. Prepare test and inspection reports.

3.08 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel in cable-plant management operations, including changing signal pathways for different workstations, rerouting signals in failed cables, and keeping records of cabling assignments and revisions when extending wiring to establish new workstation outlets

END OF SECTION

BIM Guidelines v1.0

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PURPOSE

The goal of the BIM Guidelines is to aid in the process of creating consistent BIM data and facilitate the coordination for the BIM models their development.

This is not a standalone document and should be read alongside the following:

Document	Type
BEP - BIM Execution Plan	Template
Revit Template Package	Set of Templates

SOFTWARE

For the different BIM uses, it is expected to use the following software. For specific software versions, refer to the BIM Execution Plan.

Common Data Environment

- Autodesk Construction Cloud

Authoring

- Autodesk Revit
- Autodesk Civil3D

Coordination

- Navisworks Manage

Plug-ins

- Revit Add-In – “Scope Box Synchronizer” by Omnia Revit

Each consultant or design team involved in the project shall be responsible for procuring and maintaining the necessary software and licenses required to author their respective models. The software selected must meet the version requirements to be compatible with the BIM workflows. The owner shall not be responsible for the purchase or maintenance of any software or licenses required for the project.

FILE STRUCTURE

FILE NAMING CONVENTION

TRADE CODES

The following 1 or 2-letter designation shall be used to identify the authoring trade of the models, model elements and drawings.

Trade Code	Trade Number	Trade Name
G	01	General
H	02	Hazardous Materials
V	03	Survey/Mapping
B	04	Geotechnical
W	05	Civil Works
C	06	Civil
L	07	Landscape
S	08	Structural
A	09	Architectural
I	10	Interiors
Q	11	Equipment
FP	12	Fire Protection
P	13	Plumbing
D	14	Process
M	15	Mechanical
E	16	Electrical
T	17	Telecommunication

AUTODESK REVIT FILE NAMING CONVENTION

Model names shall use the following parameters:

- Each field will be separated by an underscore (_) with no spaces.
- The project number will be provided by OGS.
- The trade will be a 1 or 2-letter acronym, provided in the table TRADE CODES below.
- The building name is optional and can be used to indicate separation of models or even different model purposes (documentation, site, coordination, etc.)

Naming convention format:
[Project/Contract Number]_[Client]_[Trade]_[Building Name (if applicable)]

Project Number by OGS	Client	Trade Code	Building (optional)	File Format
123456	Client	A	Main	.rvt
123456	Client	C	Site	.rvt
123456	Client	S	Building1	.rvt
123456	Client	L	Landscape	.rvt

Examples:
123456_Client_A_Main.rvt
123456_Client_L_Landscape.rvt

FAMILY AND TYPE NAMING CONVENTION

Family names shall use the following parameters:

- The Originator is a 3-letter acronym, representing the consultant's name.
- All fields will be separated by an underscore (_) with no spaces.
- The Category Abbreviation will be a 2-letter acronym, provided in the table in the section CATEGORY ABBREVIATION.
- The Description 1 field can be utilized to describe the content of the family or the material.
- The Description 2 field can be utilized to describe the material or shape of the element.

Family Name			
Originator	**Category Abbreviation (from table)**	**Description 1 / Material**	**Description 2 (if applicable)**
OGS	AN	Callout Head	
XXX	CO	Concrete	Round

Examples:
OGS_AN_Callout Head.rfa
XXX_CO_Concrete_Round.rfa

For family types, there is no need to add the family name, as it is repetitive, and it increases the number of characters. For its fields:

- The Description 1 field can be utilized to describe the size or shape.
- The Description 2 field can be utilized to describe the material or finish.

Family Type	
Description 1	**Description 2 (if applicable)**
¼" Head	
2'	Polished

Examples:
¼" Head
2' Polished

CATEGORY ABBREVIATION

Revit categories shall be abbreviated with the following convention. This will help the families be grouped by categories.

Category Abbreviation	Description
AT	Air Terminals
AN	Annotations

CT	Cable Tray Fittings
CA	Casework
CL	Ceilings
CO	Columns

CD	Communication Devices
CF	Conduit Fittings
CU	Curtain Panels
CM	Curtain Wall Mullions
CS	Curtain Wall Systems
DD	Data Devices
DI	Detail Items
DR	Doors
DA	Duct Accessories
DF	Duct Fittings
EE	Electrical Equipment
EF	Electrical Fixtures
EN	Entourage
FI	Filled Region
FA	Fire Alarm Devices
FP	Fire Protection
FS	Fire Systems
FL	Floors
FN	Furniture
FR	Furniture Systems
GM	Generic Models
LD	Lighting Devices
LF	Lighting Fixtures
MS	Mass
ME	Mechanical Equipment
MU	Mullions
NC	Nurse Call Devices
PK	Parking

PA	Pipe Accessories
PI	Pipe Fittings
PT	Planting
PL	Plumbing
PF	Plumbing Fixtures
PR	Profiles
RA	Railings
RM	Ramps
RF	Roofs
SD	Security Devices
SI	Site
SP	Specialty Equipment
SK	Sprinklers
ST	Stairs
SC	Structural Columns
SN	Structural Connections
SF	Structural Foundations
SB	Structural Framing
SR	Structural Rebar Elements
SS	Structural Stiffeners
TR	Structural Trusses
SY	Symbols
TG	Tags
TD	Telephone Devices
TP	Templates
TB	Title Blocks
WA	Walls
WI	Windows

AUTODESK NAVISWORKS NAMING CONVENTION

Navisworks model names shall use the following parameters:

- Each field will be separated by an underscore (_) with no spaces.
- The project number will be provided by OGS.
- The trade will be a 3-letter acronym, also provided by OGS.
- The building name is optional and can be used to indicate separation of models or even different model purposes (documentation, site, coordination, etc.)

Naming convention format:
[Project/Contract Number]_[Client]_[Trade]_[Building Name (if applicable)]

Project Number	**Client**	**Trade Code**	**Building (optional)**	**File Format**

by OGS				
123456	Client	A	Main	.nwd
123456	Client	C	Site	.nwd
123456	Client	S	Building1	.nwd
123456	Client	L	Landscape	.nwd

AUTODESK CIVIL 3D NAMING CONVENTION

Civil 3D model names shall use the following parameters:

- Each field will be separated by an underscore (_) with no spaces.
- The project number will be provided by OGS.
- The trade will be a 3-letter acronym, also provided by OGS.
- The building name is optional and can be used to indicate separation of models or even different model purposes (documentation, site, coordination, etc.)

Naming convention format:
[Project/Contract Number]_[Client]_[Trade]_[Building Name (if applicable)]

Project Number by OGS	Client	Trade Code	Building (optional)	File Format
123456	Client	C	Main	.dwg

COMMON DATA ENVIRONMENT

AUTODESK CONSTRUCTION CLOUD

This project will utilize Autodesk Construction Cloud storage for project file management to share, view, markup, and manage the construction drawings, documents, and models.

FOLDER STRUCTURE

Model Folders	
Folder Name	***Folder Use***

Revit files will be initialized/saved in their discipline specific sub folders.

Drawings Sub Folders	
Sub Folder Name	***Folder Use***

AUTHORING

AUTODESK REVIT

REVIT MODEL SET UP

REVIT TEMPLATE PACKAGE

A template package is included to kickstart the projects. It contains the template file, shared parameters, the family convention and the titleblocks.

File Name	Format and Version	Description
OGS Revit Template_2020.rte	RTE file, Revit 2020	Master Template
OGS Shared Parameter File.txt	TXT file, to be opened with Revit	Shared Parameter file
Revit File Naming Convention.xlsx	XLSX file, used as a reference	Description of the Naming Convention utilized for Revit files
OGS-8_5x11 Program Report Title Block	RFA files, Revit 2020	Title blocks to be utilized in OGS projects.
OGS-8_5x11 Title Block		
OGS-8_5x11 Vertical Title Block		
OGS-11x17 HorizontalV2		
OGS-24x36 CoverSheet		
OGS-24x36 Horizontal		
OGS-24x36 Horizontal-Starting Sheet		

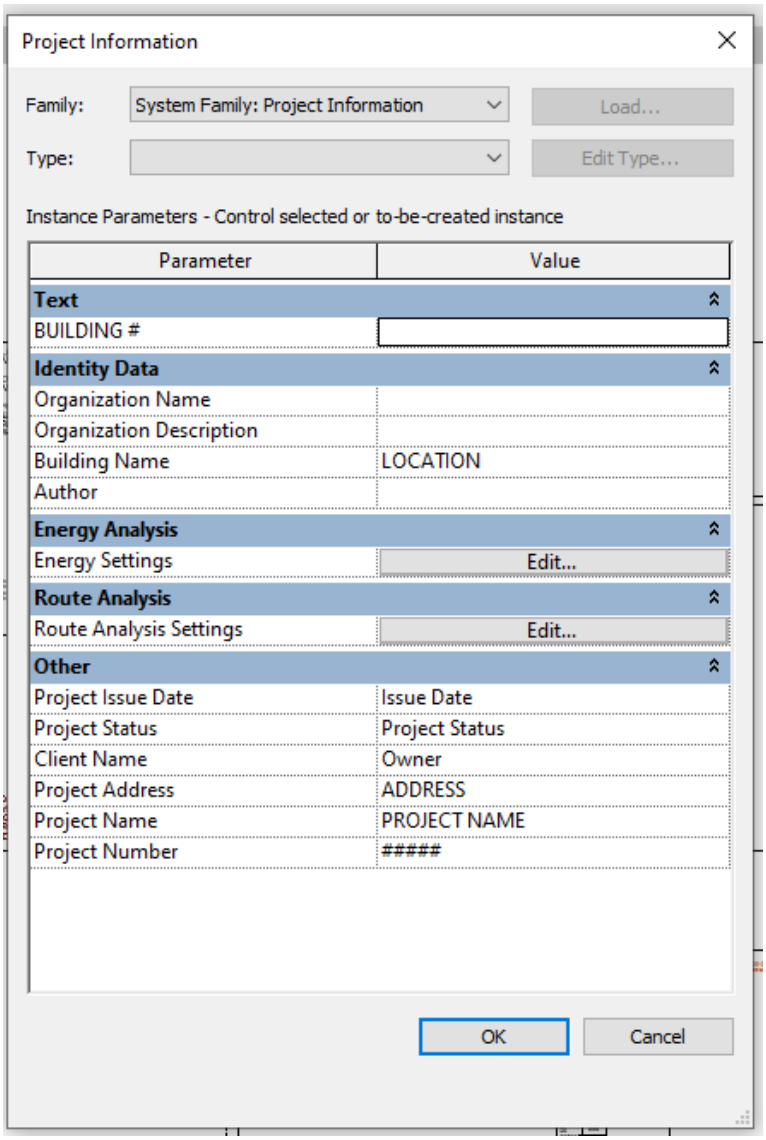
PROJECT UNITS

Project Units shall be set to Imperial, Feet, and Inches, with a precision to the nearest 1/16. If other units are needed, they can be added to the dimension types without changing the Project Units for the project.

PROJECT INFORMATION

Project Information is a central location where users can store and manage project-specific data such as the project name, number, location, and other information that affects the entire model. This information must be edited in the Manage/Settings/Project Information" dialog box.

It is important to keep the Project Information up-to-date and accurate, as it can be used in various ways throughout the project, such as in sheets, schedules, tags, and reports. Having accurate Project Information can help ensure consistency, coordination, and communication among team members.

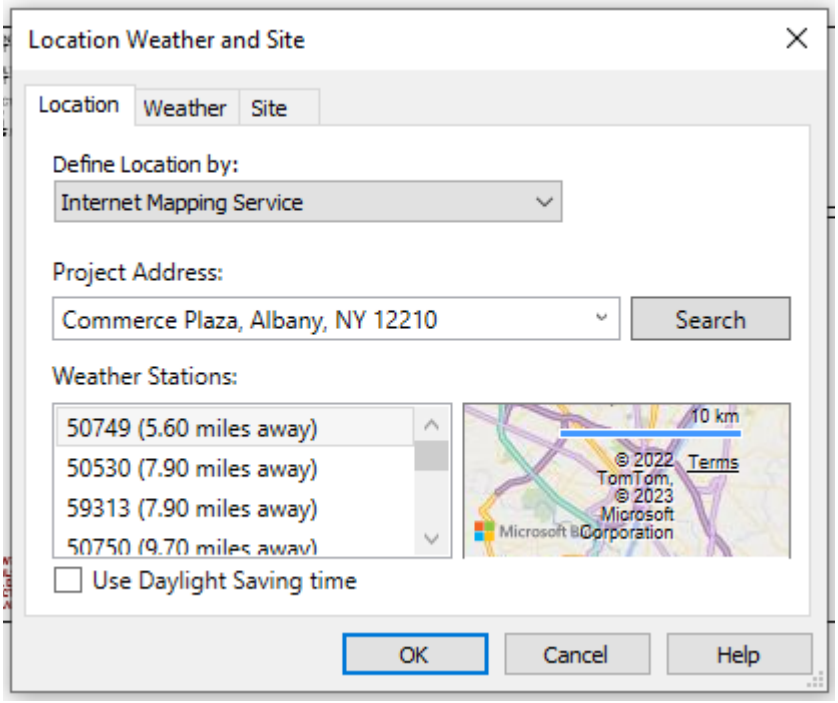


LOCATION

The Location window in Revit allows users to specify the location of the project, such as the latitude and longitude, time zone, and daylight savings settings. This information is used to determine the sun and shadow patterns for the building, as well as to set the correct time for scheduling and energy analysis.

It is important to keep the location information accurate and up to date, as it can affect energy efficiency and the overall design of the building. It will also affect project coordination as it could change the project location in reference to other models linked to it. This feature must be used carefully.

The original location for all OGS projects is set to be *Commerce Plaza, Albany, NY.* This shall be updated for each project.



The Project Information and Location shall be pulled from the model to be utilized in the starting screen, sheets, and schedules. The parameters to include are listed below:

- Client Name NYSOGS
- Building Name Per project
- Project Name Per project
- Address Per project
- Site Per project

SHARED COORDINATES

A default Project Base Point and True North is included in the template, to easily coordinate Site information with other trades.



Project Base Point True North:

N/S: 0’ – 0”

E/W: 0’ – 0”

ELEV: 0’ – 0”

Angle to True North: 0.00º

Project North: 0.00º

LEVELS & GRIDS

All levels and grids must be copy-monitored from the structural model file and be placed on the “Shared Levels & Grids” workset in each model.

REVIT LINKS

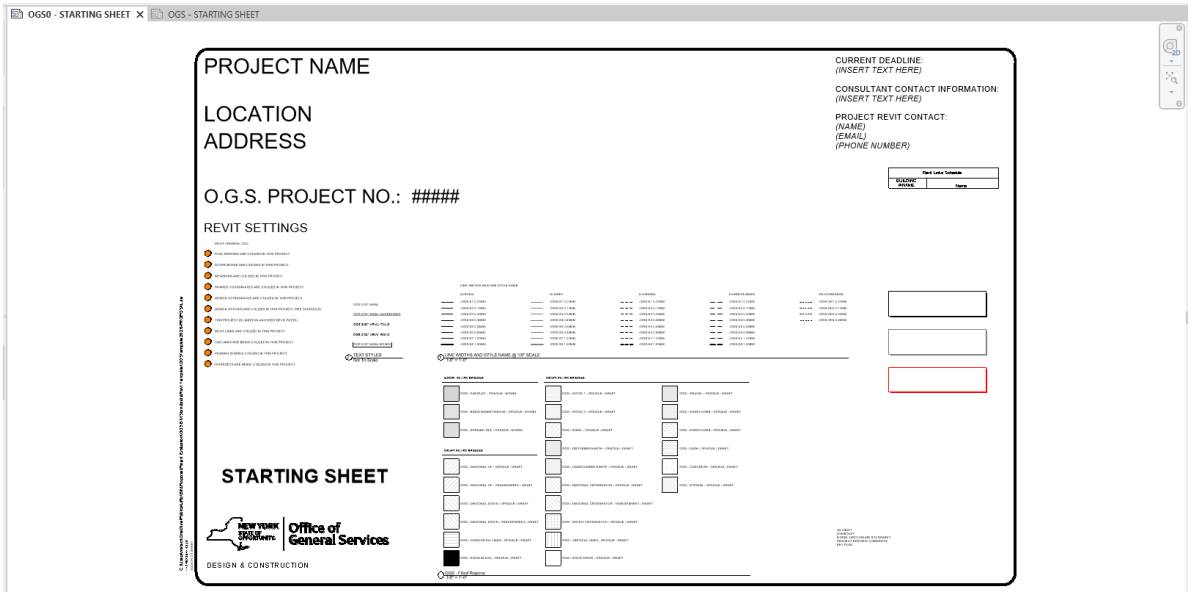
Revit models should be linked Origin to Origin and pathing should be set to Relative. All Revit Links should use Relative Path and saved in their corresponding workset. When using several Revit links, it is advisable to create separate worksets and include the link name as a suffix in the workset name to facilitate model navigation.

DWG LINKS

CAD files should be linked and not imported. If CAD import is needed, import into a new project, full explode, clean it from foreign text types, hatches, patterns, and colors and then transfer view into main model. CAD Imports within Revit families should be limited as they will slow model files. CAD links should be placed on the appropriate “CAD-Link” workset and pinned. All CAD links should be set to Relative pathing.

STARTING VIEW

The Starting View is displayed when the project is first opened. It can be set to any view in the project, such as a floor plan, elevation, or 3D view. The Starting View shows the project information along with the object styles.



PROJECT BROWSER

In Revit, the Browser Organization is the way the project's views, sheets, and other data are organized and displayed in the Project Browser.

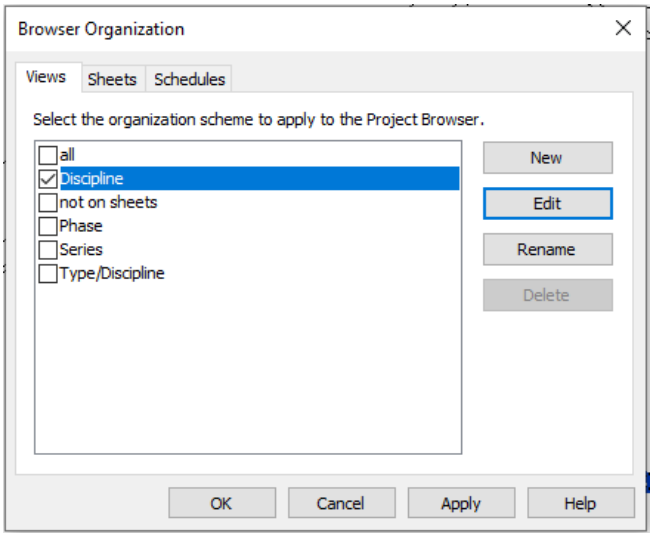
VIEWS

The views browser helps organize all floor plans, sections, elevations, schematic drawings, and details. It can be tailored to the user specific needs through the Browser Organization window.

Each A/E can use their own view browser organization as needed. It is advised that **Design & Coordination** views are separated from **Sheet & Documentation** views using the project browser. In the case that **Revit Phases** are needed to achieve different drawing set packages, it is recommended the sheets and views are grouped accordingly.

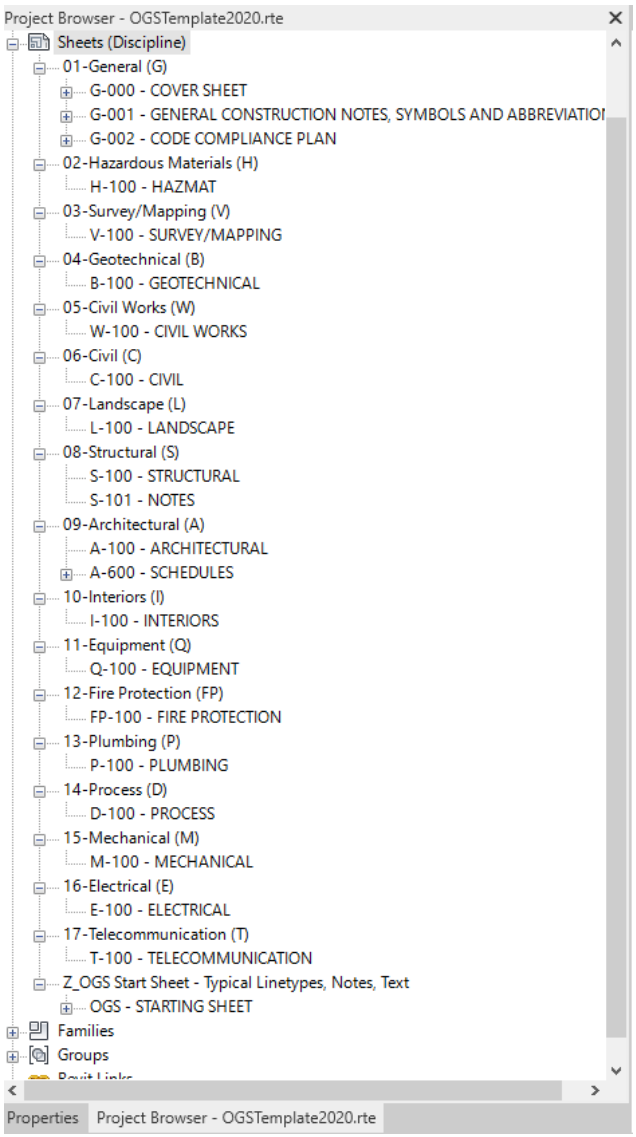
While each A/E can create their own View Browser, OGS has included the following to facilitate view creation:

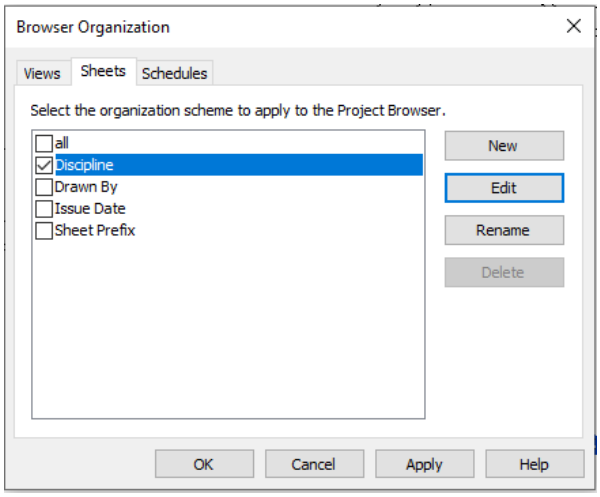




SHEETS

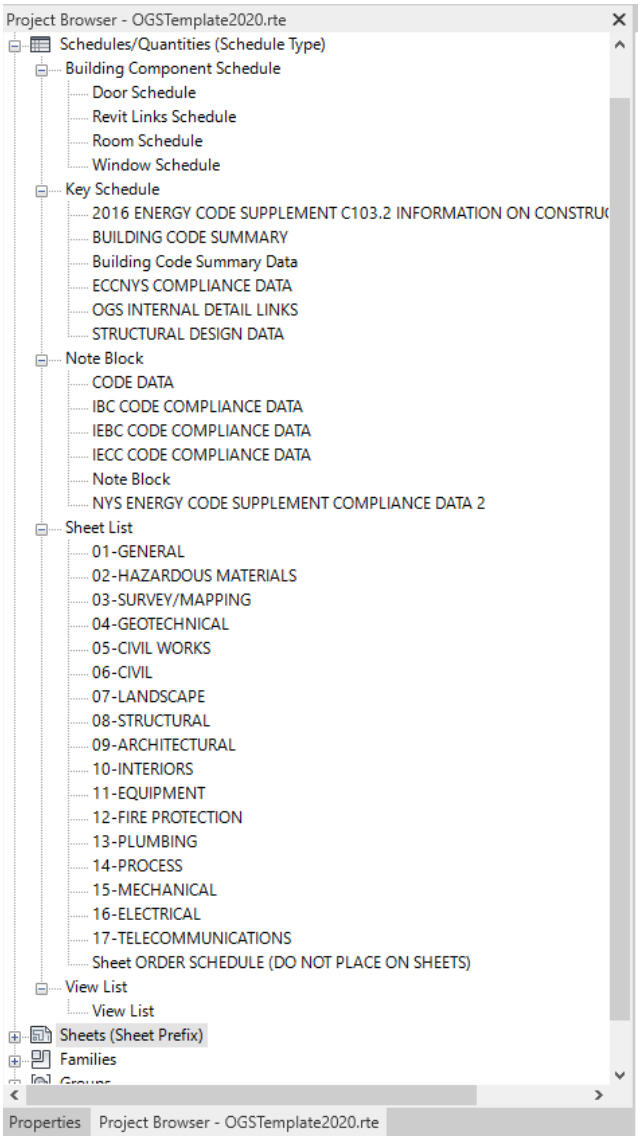
The sheets browser helps organize all sheets. The discipline organization scheme groups all sheets by their disciplines.

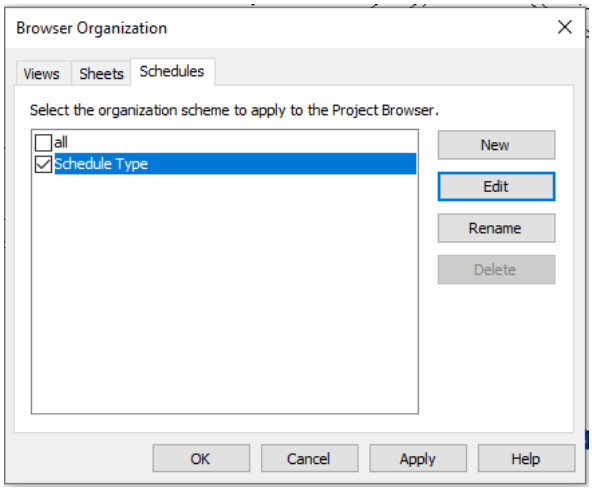




SCHEDULES

The schedule browser helps organize all schedules. It can be tailored to the user specific needs through the Browser Organization window. The Revit Template includes a Schedule Type organization that helps group schedules.





WORKSETS

The use of worksets is recommended to organize model elements and facilitate model opening, loading and synchronization. Consultants can create their own worksets to model within their own files. The following naming convention is recommended:

- Each field will be separated by an underscore (_) with no spaces.
- The Originator is a 3-letter acronym, representing the consultant's name.

- The Trade Code will be a 1-letter acronym, provided in the table in the section TRADE CODES.
- The Description 1 field can be utilized to describe the main category of the workset. It is recommended to use a short, descriptive word.

Workset Name		
Originator	**Trade Code (from table)**	**Description 1 / Category**
OGS	A	Exterior
XXX	S	Foundations

The following are suggested worksets to use in a multidisciplinary project. It is recommended that each trade organizes the modeled elements in the corresponding spaces to facilitate model navigation, quality assurance and model efficiency.

Workset Name	**Visible in all Views**	**Editable**	**Description**
OGS_A_Exterior	Yes	No	Architectural Exterior
OGS_A_FFE	No	No	Architectural FF&E
OGS_A_Interior	Yes	No	Architectural Interior
OGS_E_Distribution	Yes	No	Electrical Distribution
OGS_E_Misc	Yes	No	Electrical Miscellaneous
OGS_FP_Misc	Yes	No	Fire Protection Miscellaneous
OGS_M_Air	Yes	No	Mechanical Duct Systems
OGS_M_Hydronics	Yes	No	Mechanical Hydronic Systems
OGS_M_Misc	Yes	No	Mechanical Miscellaneous
OGS_P_Distribution	Yes	No	Plumbing Distributions
OGS_P_Misc	Yes	No	Plumbing Miscellaneous
OGS_S_Foundations	Yes	No	Structural Foundations
OGS_S_Horizontal	Yes	No	Structural Slabs and Beams
OGS_S_Reinforcement	Yes	No	Structural Reinforcement
OGS_S_Vertical	Yes	No	Structural Columns and Retaining Walls
OGS_X_CAD Link	No	No	All linked AutoCAD Files are placed on this workset
OGS_X_Coordination	No	No	Components to aid review and identification of components
OGS_X_Point Cloud	No	No	All linked Point Clouds are placed on this workset
OGS_X_Revit Link	No	No	All linked Revit Files are placed on this workset
OGS_Y_Shared Levels and Grids	Yes	No	Revit Levels and Gridlines (cannot be deleted)
OGS_Z_Hidden	No	No	Alternative options or outdated choices are moved to this workset that is not

			displayed nor published

PARAMETERS

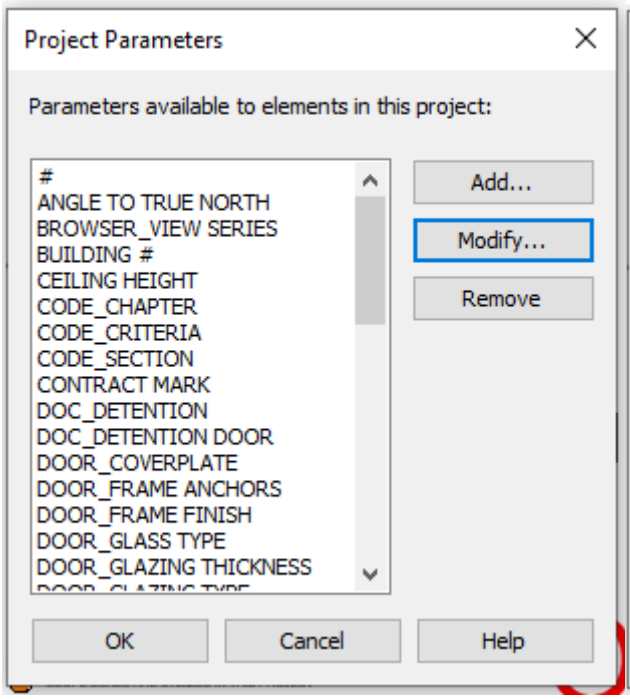
In Revit, Parameters are used to store and manage information about elements in the building model, such as dimensions, materials, and other properties. They allow users to add custom information to elements, such as door swing direction or window type, and can be used to create custom schedules, tags, and reports.

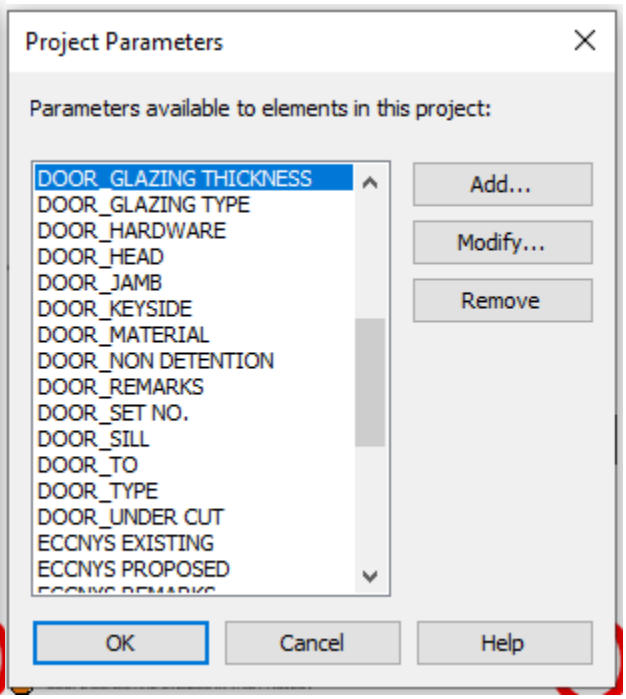
Here are some best practices for using Parameters in Revit:

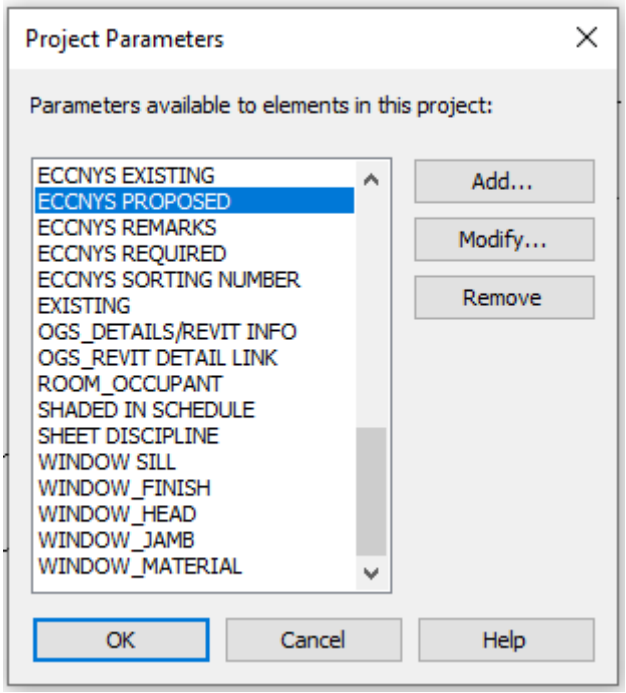
- Use Shared Parameters: Shared Parameters permits to create Parameters that can be used across multiple projects, this can be useful for creating standard Parameters that are used across different projects. When creating Shared Parameters, it's important to use groups to organize the Parameters by category, making it easier to find and use them.
- Use predefined parameters: Revit includes a set of predefined Parameters, such as "Width" or "Height," that can be used for many elements. Using these predefined Parameters can save time and ensure consistency.
- Use descriptive names: when creating Parameters, it's important to use descriptive names that accurately reflect the information they store. This makes it easier to understand and use the Parameters in schedules, tags, and reports.
- Use Parameters in schedules: Parameters can be used in schedules to create custom schedules; this allows you to organize and present the information in a meaningful way.
- Use Parameters in tags: Parameters can be used in tags to add custom information to elements, this allows you to create tags that include specific information about the elements.
- Use formulas: Parameters can be set up to use formulas, allowing to calculate values based on other parameters in the model. This can be useful for creating custom calculations, such as area or volume.
- Keep them updated: Parameters should be updated regularly to reflect the current state of the building model. This is a category that can easily be overutilized when creating parameters without revising what is included in Revit or inside the families.

Additionally, parameters included in the template should follow the naming convention:

- Uppercase
- Named according to the convention “Suffix_Description”. The suffix groups parameters per category such as Door, Window, OGS, ECCNYS and the Description allows easy identification of parameters.


Project Parameters
Parameters available to elements in this project:
#
ANGLE TO TRUE NORTH
BROWSER_VIEW SERIES
BUILDING #
CEILING HEIGHT
CODE_CHAPTER
CODE_CRITERIA
CODE_SECTION
CONTRACT MARK
DOC_DETENTION
DOC_DETENTION DOOR
DOOR_COVERPLATE
DOOR_FRAME ANCHORS
DOOR_FRAME FINISH
DOOR_GLASS TYPE
DOOR_GLAZING THICKNESS
Add...
Modify...
Remove
OK
Cancel
Help


Project Parameters
Parameters available to elements in this project:
DOOR_GLAZING THICKNESS
DOOR_GLAZING TYPE
DOOR_HARDWARE
DOOR_HEAD
DOOR_JAMB
DOOR_KEYSIDE
DOOR_MATERIAL
DOOR_NON DETENTION
DOOR_REMARKS
DOOR_SET NO.
DOOR_SILL
DOOR_TO
DOOR_TYPE
DOOR_UNDER CUT
ECCNYS EXISTING
ECCNYS PROPOSED
Add...
Modify...
Remove
OK
Cancel
Help


Project Parameters
Parameters available to elements in this project:
ECCNYS EXISTING
ECCNYS PROPOSED
ECCNYS REMARKS
ECCNYS REQUIRED
ECCNYS SORTING NUMBER
EXISTING
OGS_DETAILS/REVIT INFO
OGS_REVIT DETAIL LINK
ROOM_OCCUPANT
SHADED IN SCHEDULE
SHEET DISCIPLINE
WINDOW SILL
WINDOW_FINISH
WINDOW_HEAD
WINDOW_JAMB
WINDOW_MATERIAL
Add...
Modify...
Remove
OK
Cancel
Help

REVIT MODELING

BEST PRACTICES

It is advised to follow the recommended best practices for modeling. These will ensure consistency and avoid error and model corruption.

Modeling should avoid:

- Use of non-BIM software to generate 3D geometry; components must have data parameters.
- Locking dimensions in the project.
- Creating unnecessary parameters in the project.
- Modeling multi-level or unconnected elements.
- Modeling stacked walls in early design stages.
- Openings in walls by using windows to cut walls (use voids inside the family instead) .
- Creating Model In-Place elements: use of model in-place elements should be avoided and kept to a minimum. If an in-place model must be used it should be given an appropriate family category as well as model shared parameters.
- Replacing doors for curtain panels.
- Attaching walls to floors and roofs
- Using mass families for anything except overall building massing

Modeling should:

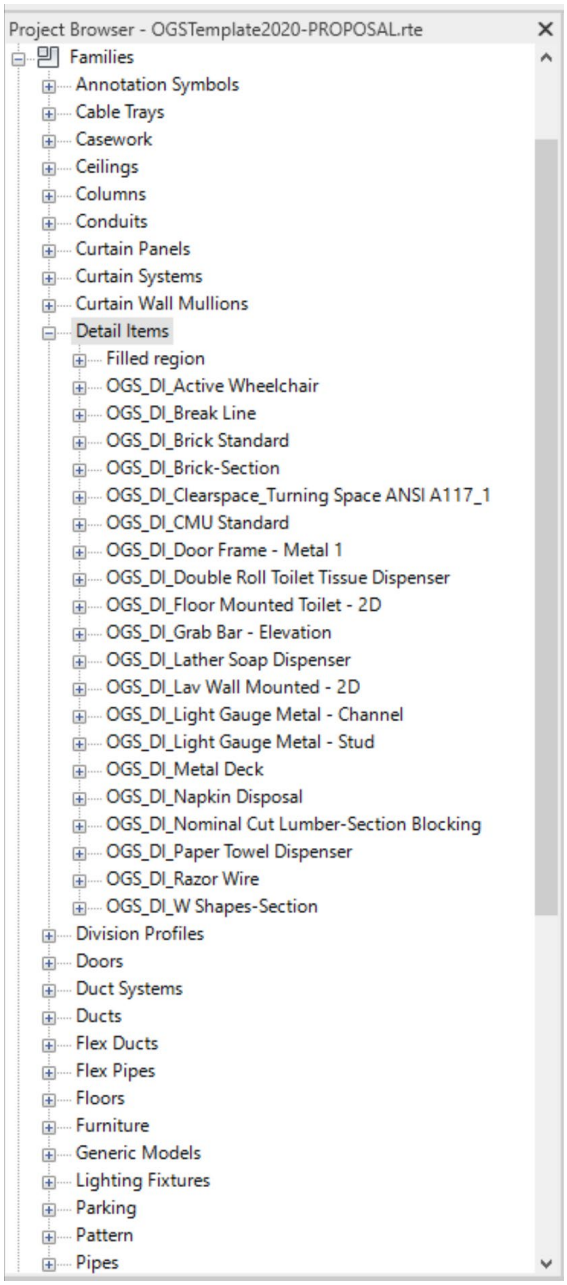
- Adhere to current OGS BIM Specifications for authoring software.
- Create views organized by sheet set or use (Working, Documentation, Presentation).
- Create a set of existing plans under the working folder, with true dimensions.
- Follow naming convention for any new families created.
- Use the overall coordinate system provided by OGS.
- Use the levels already available in the Existing Model or drawings sets, and for new projects, limit levels to one per slab.
- All objects should be placed on the correct reference level / floor level. If the element sits above a level, it should still reference the correct level.
- Model columns, walls and similar components spanning multiple levels as separate components on each level.
- Use dependent views wherever they break up plans to fit on a sheet.
- Elements should be typically modeled using loaded families.
- Model different construction elements separately even if they are adjacent (e.g., sills separate from windows).
- Use the shaft opening tool for shafts and elevators.

FAMILIES

Families are made up of a set of predefined parameters, such as size, type, and material, and can be adjusted to suit the needs of the project. They can be thought of as building blocks that are used to create and customize elements in a building model.

A good practice to organize families in Revit is to create a central location, such as a network drive or cloud storage, to store all the families that will be used in the project. This will make it easy for all team members to access and use the families, and it will also help to ensure quality and consistency.

An example of the Detail Items category is shown below. These families are named following the naming convention in the FILE STRUCTURE section.

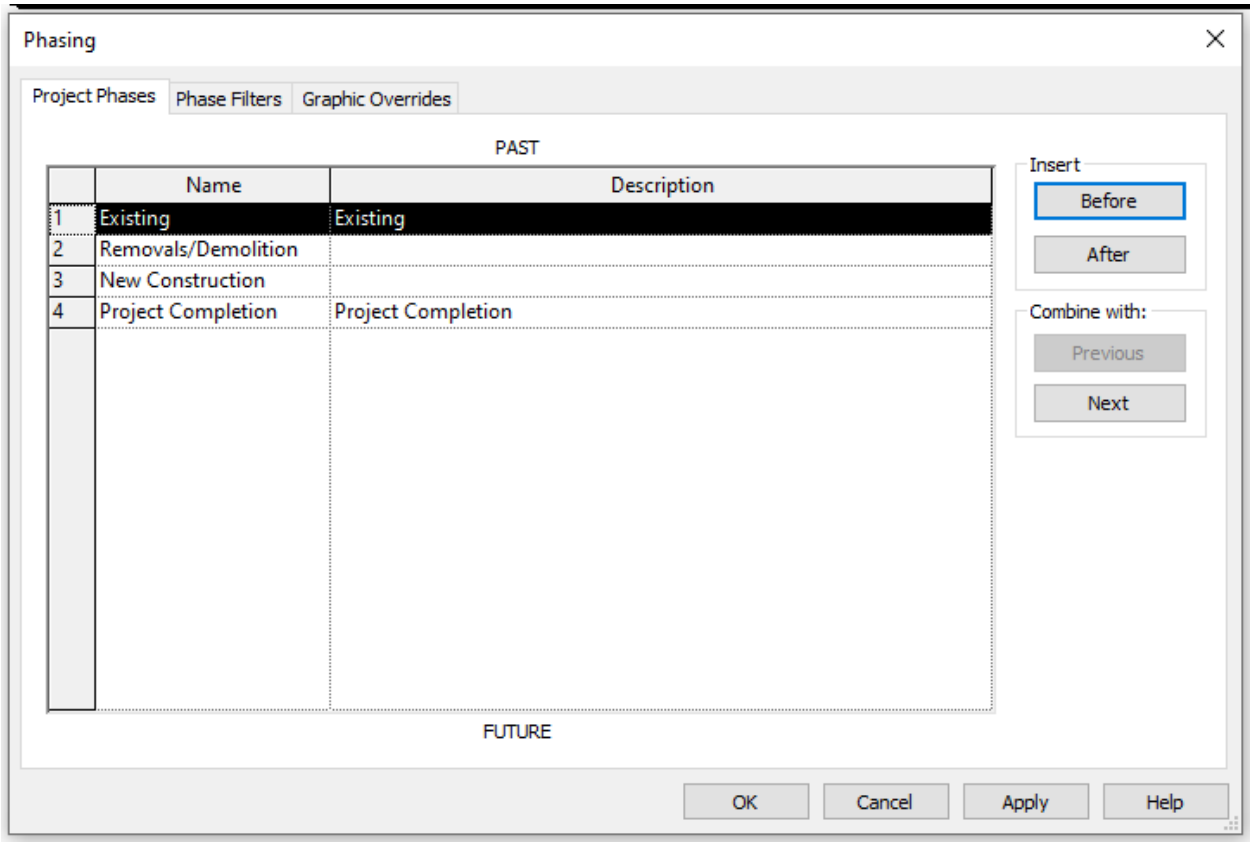


REVIT PHASES

Projects will use Revit Phases. Every A/E is responsible for placing items/elements on the correct phase. Each model will need to verify Phase Mapping for each linked model to ensure views are true to elements phase shown. Phase names will be consistent in all models and will follow Package names.

It is advised to use the project browser and view templates to control and monitor their proper usage.

The following Phases are included in the template:



INTERNAL COORDINATION & PUBLISHING

REVIT CENTRAL PROJECT

All disciplines shall host and initialize their Revit central file to the ACC/BIM360 site, saved to the specific discipline folder as outlined in the folder structure above. The initialized central files shall be where the design team develops the Revit project. Separate central Revit files that are saved to individual firm's servers, detached, and uploaded to ACC/BIM360 are not allowed.

LINK COORDINATION REVIEW

There will be a Coordination Revit Model created, linking every model in.

Levels and Grids must be Copy Monitored from one model to another. Anytime one of those elements are moved or modified, Revit warns a user opening their model. All Revit Models shall be clear from any Link Coordination Review warning. Each BIM Manager should review all copy monitored elements and accept changes from Revit links when applicable.

EXTERNAL CONSULTANT, NOT USING REVIT

If any outside Consultant not using Revit provides files, a new Revit Model will be created to link in their data, then linked into all models and monitored by the BIM Coordinator. This would be the result of building equipment not in the current SOW and is provided as design information.

REVIT DOCUMENTATION

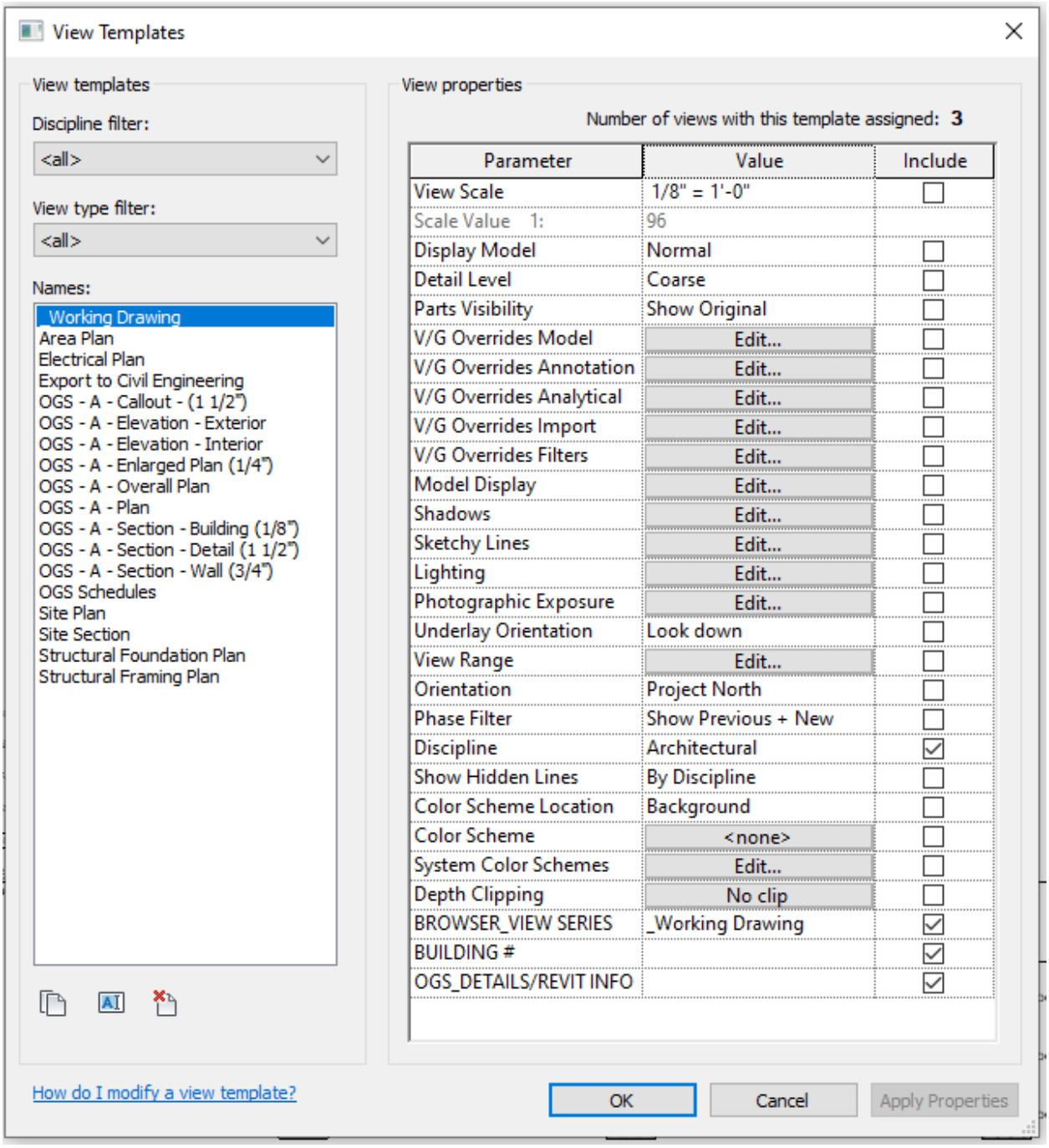
VIEWS

VIEW ORIGIN

Views to be placed on sheets shall be created from and the model and independent of views used for design. See the Project Browser section for organization of views.

VIEW TEMPLATES

View Templates in Revit are pre-configured settings for views that allow users to create views quickly and consistently with specific settings. They can be thought of as "blueprints" for views, allowing users to quickly create views that are consistent and efficient. Below is the list of View Templates included in the Revit Template.



SCOPE BOXES

In the need of splitting up floor plans into smaller views to fit onto multiple sheets: Scope Boxes will be created in the ARCH Model using the below naming convention. The BIM Coordinator will then open the ARCH Model and "Sync" and "Copy" the Scope Boxes into every model, using the Revit Add-In "Scope Box Synchronizer" by Omnia Revit. All Disciplines should use these scope boxes to match the appearance of the Architectural sheets.

VIEW NAMING

Views will be named using the following standard.

Level	Discipline	Demo Modifier (if needed)	Major View on sheet
FIRST FLOOR	HVAC	DEMO	PLAN

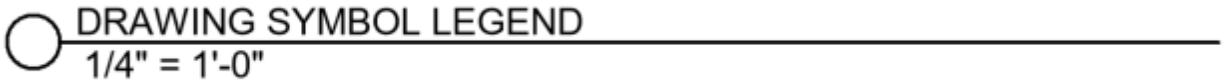
VIEW TITLES

Use the OGS provided PLAN and SED view title families. Select the version with the correct scale. Pull the "tail" in-line with the last letter in the view name or to the end of the scalebar (whichever is longer). View titles should be centered under the view.

Do not use words such as "OVERALL", "ENLARGED", or "LARGE SCALE".



VIEW NUMBERING





Plan views will use a numerical view number sequential per sheet.

Section views will use a letter view number that is sequential per sheet.



Detail views will use a numerical view number that is sequential per sheet.





Typical detail views will use a numerical that is sequential through all typical detail sheets.

LEGENDS AND SCHEDULES

Legends in Revit are a visual representation of the different types of elements in a project, such as walls, doors, and windows. To create a legend, go to the "View" menu and select "Legends". These can be graphic expressions of Revit elements or drawn completely from scratch.

Schedules in Revit are a tabular representation of the properties and quantities of different elements in a project. These can be automatically updated when linked to parameters. To create a schedule, go to the "View" menu and select "Schedule". You can then select the elements you want to include in the schedule, such as walls, doors, and windows, and customize the columns and formatting as needed.

These are some good practices for schedule creation:

1. Use parameters: Revit allows you to create custom parameters for elements, such as walls, doors, and windows. These parameters can be used to create more detailed schedules, such as a schedule of door swing direction or window type.
2. Keep it consistent: When creating multiple schedules or legends, it's important to maintain consistency in terms of formatting and the information presented. Schedule templates can help achieve a cohesive look and facilitate schedule creation.

SHEETS

SHEET CREATION

Sheets created will use the **OGS-24x36 Horizontal** titleblock included in the template package. In the properties apply the correct sheet discipline and sheet discipline number to each sheet. See the sheet numbering table in the SHEET ORDER PARAMETER section.

SHEET ORDER PARAMETER

Each sheet has three Parameters for the index to sort properly. Sheet Discipline #, Sheet Discipline and Sheet Sort Order which must be filled out for every sheet. Sheet Order will be as noted:

Sheet Discipline #	Sheet Discipline	Sheet Sort Order
01	*General*	*G*
02	*Hazardous*	*H*
03	*Survey/Mapping*	*V*
04	*Geotechnical*	*B*
05	*Civil Works*	*W*
06	*Civil*	*C*
07	*Landscape*	*L*
08	*Structural*	*S*
09	*Architectural*	*A*
10	*Interiors*	*I*
11	*Equipment*	*Q*
12	*Fire Protection*	*FP*
13	*Plumbing*	*P*
14	*Process*	*D*

15	*Mechanical*	*M*
16	*Electrical*	*E*
17	*Telecommunication*	*T*

The parameters needed to fill out sheet information will be inserted into your project file after its creation. Notify the BIM Coordinator once your discipline's central file is initialized onto ACC/BIM360.

TITLEBLOCK

Do not modify the structure of the titleblock. Revision information will be provided for each submittal. See revision note section. A/E logos will need to be provided to the project BIM Coordinator for inclusion in title block. On/Off Parameters could be added to allow visibility control to show the title block differently from one instant to another. This would include Keyplans, Project Titles, Bid Package numbers or PE Stamps.

KEYPLAN

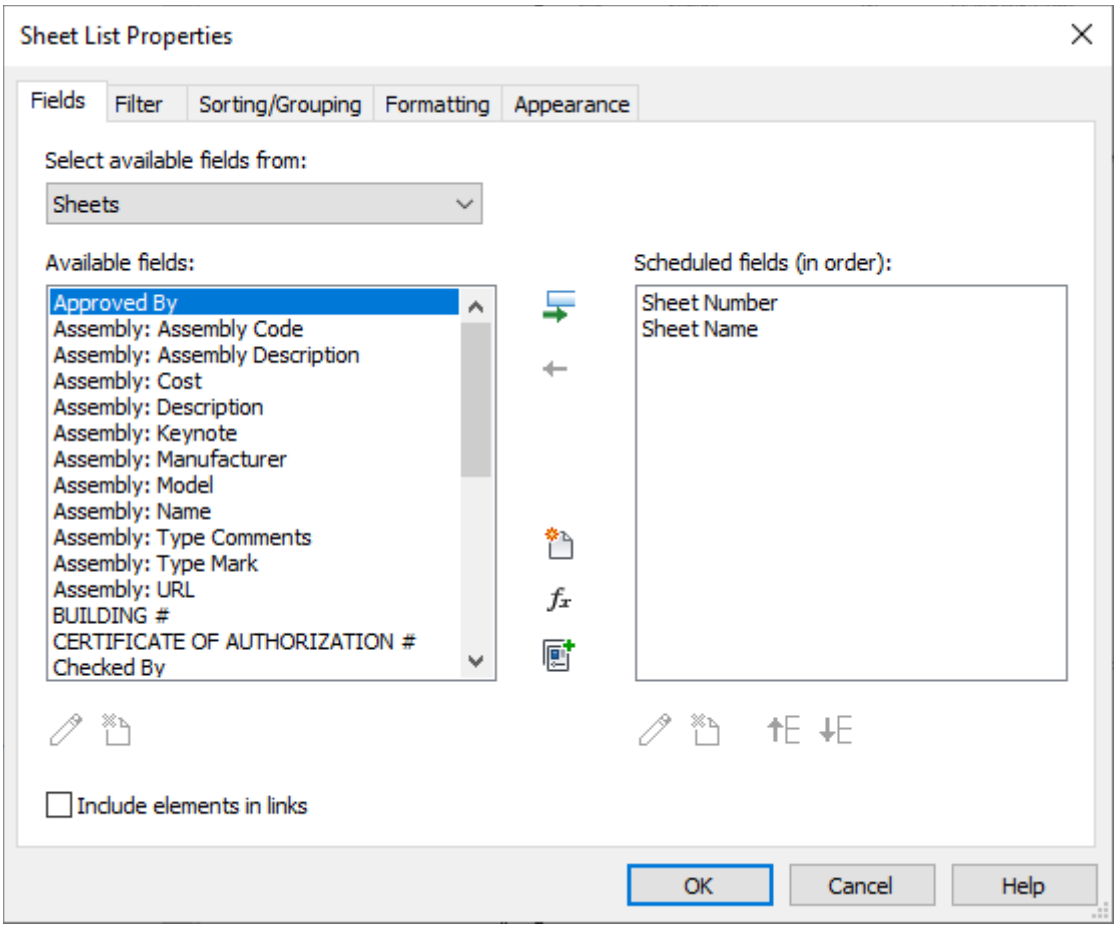
Use keyplans in the titleblock when a floor plan is placed on a sheet. Sector visibility shall be driven by instance parameters. Use the "No Keyplan" border type when no floor plan is shown on sheet.

COVER SHEET

Cover sheets will be created in the Coordination Revit Model and to be updated by the BIM Coordinator. A PDF will be emailed to the team to verify their own sheet Index.

SHEET INDEX

If there is more than one model in a project, a Coordination Revit Model can be created, linking every model in specific model worksets. From this file a Sheet Index will be created to be shown on the Cover Sheet in the Model using the "Include elements in Link" option.



SHEET NUMBERING

Sheets will be numbered using the following standard:

Discipline Designator (from the Sheet Order Parameter table)	DASH	Sheet Type Designators (from table below)	Floor Level	Sheet Sector or Sequence #
A	-	1	1	1

In the example above, the sheet A-111 would be the "First Floor Architectural Plan – Sector 1" sheet.
If needed sections and details can be placed on plan sheets when appropriate for clarity.

Sheet Type Designators:

0	General
1	Site Layout, Building Floor Plans, Ductwork Plans
2	Grading, Drainage, Erosion Control, Hydraulic Piping Plans, Potable Piping Plans, Lighting Plans, Framing Plans
3	Utilities, Sanitary Vent & Storm Piping,

4	Partial Plans, Profiles, Sections
5	Landscaping, Schedules
6	Details
7	Riser and Flow Diagrams
8	User Defined, Gas Piping Plans, Cross Sections
9	3D Representation

SHEET NAME

Sheets will be named using the following standard.

FIRST FLOOR (DISCIPLINE) PLAN
SECOND FLOOR (DISCIPLINE) PLAN
ROOF (DISCIPLINE) PLAN

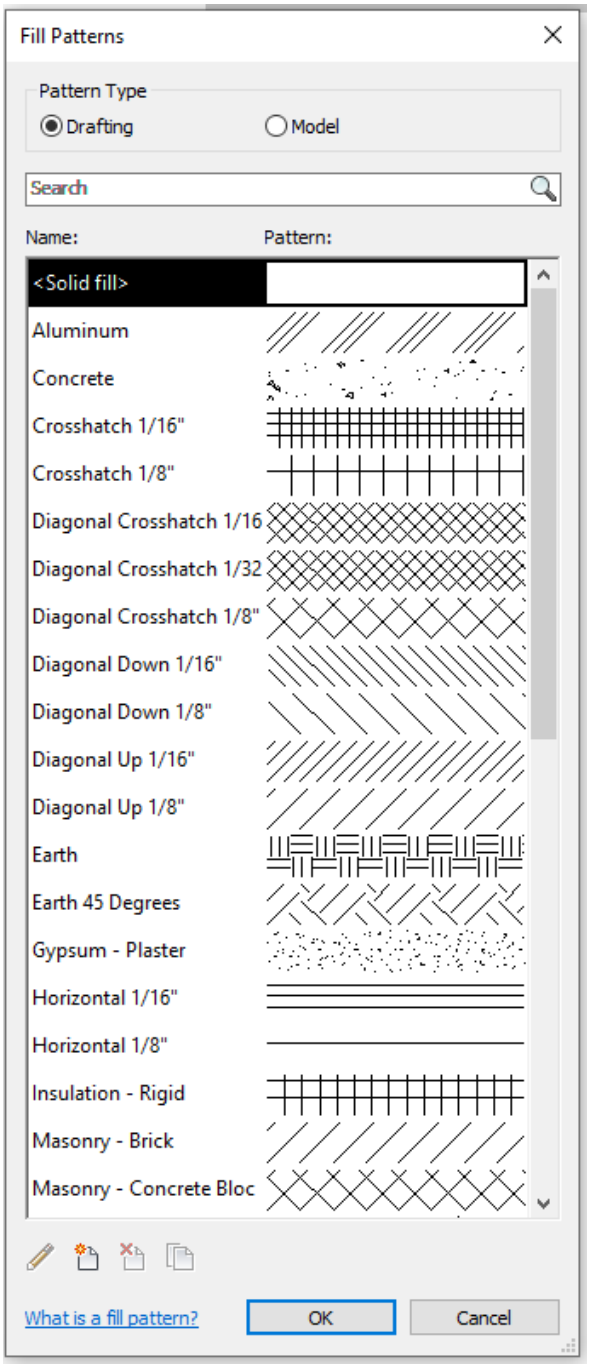
OBJECT STYLES

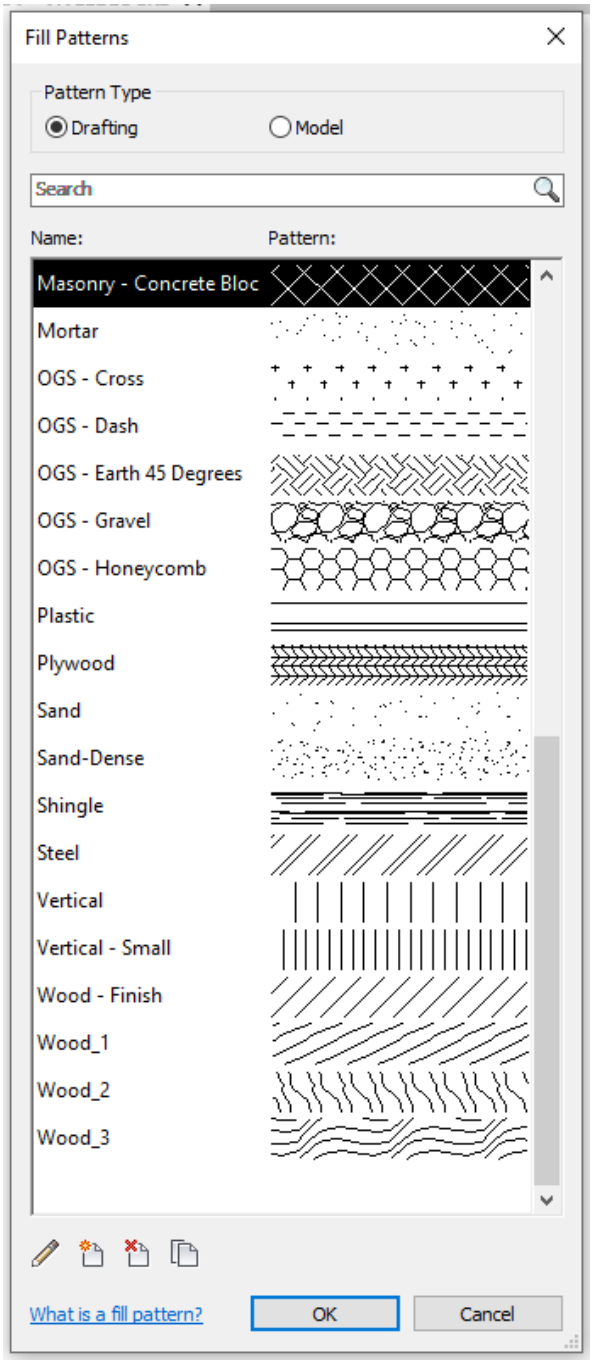
In Revit, Object Styles are used to control the appearance of elements in the building model. They allow users to create and manage the visual properties of elements such as lines, fills, and text. Object Styles can be thought of as "presets" for the visual properties of elements, allowing users to apply the same visual properties quickly and consistently to multiple elements.

FILL PATTERNS

Fill Patterns in Revit are used to control the appearance of filled regions in the building model, such as floors, roofs, and walls. They allow the user to apply a pattern to the filled regions, such as a hatch pattern or a texture, to indicate the material or surface type. Fill Patterns can be thought of as a way to add visual information to the model, making it easier to understand and interpret.

The following fill patterns are embedded in the template. These can be used to create filled regions.



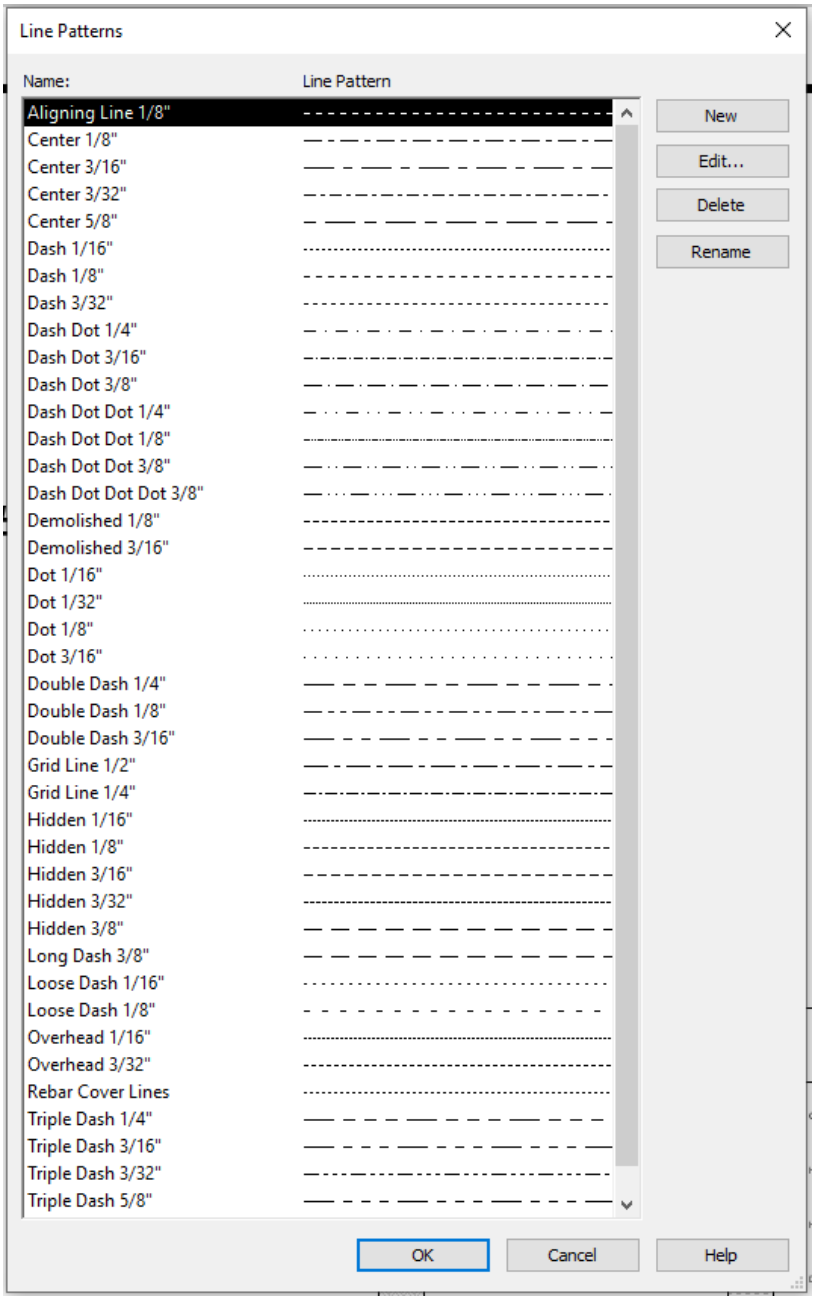


LINE WEIGHTS

Line Weights are used to control the width of lines in model elements, such as walls, floors, and structural elements. They allow the user to apply a specific width to each of the sixteen line types Revit has available.

LINE PATTERNS

Line Patterns are used to control the appearance of lines in the building model. They allow the user to apply a specific pattern to a line, such as a dashed or dotted line, or even create their own patterns. Line Patterns increase the visual information on the model, making it easier to understand and interpret.

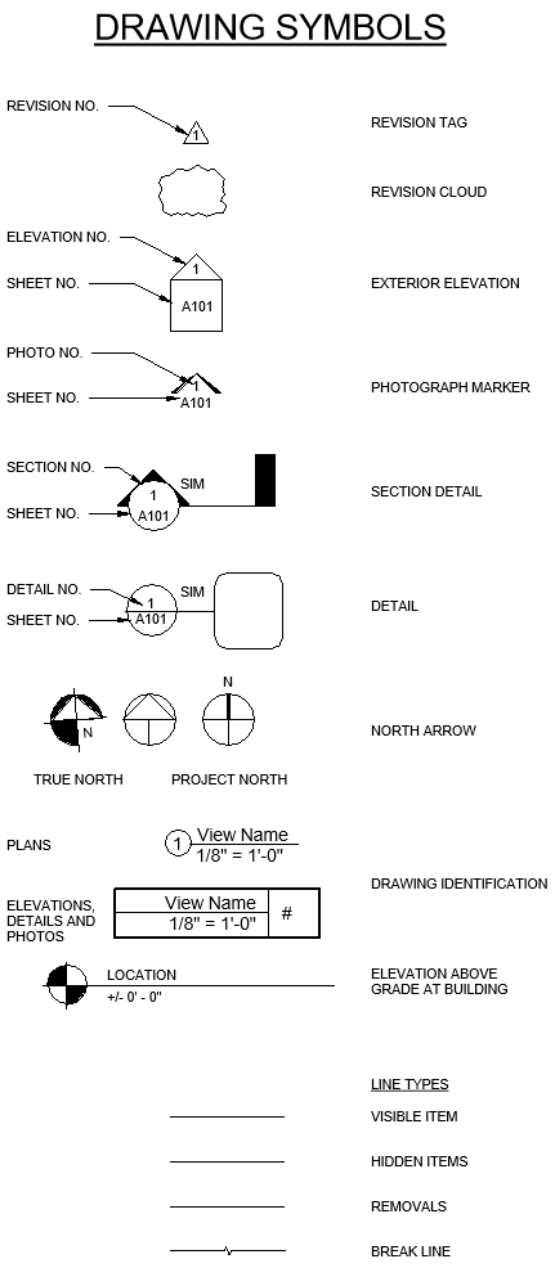


ANNOTATION

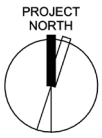
Any annotation should take place in the view and not the sheet. Sheet annotations can be disconnected from the views they might be referring to, as the design changes or the titleblocks change layouts.

SYMBOLS

Use the provided annotation symbol families for Level Heads, Section Heads, Detail Callout, Column grids, Centerline and North Arrows as needed while using the Arial Narrow text style.

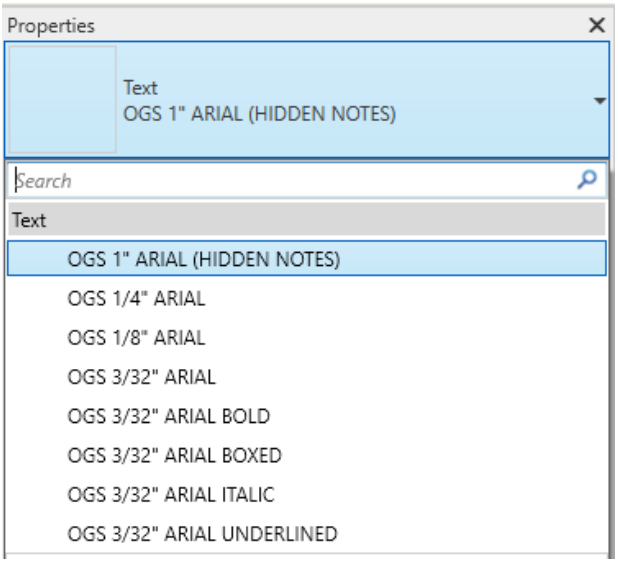


The North Arrow will be located in the provided titleblock. North Arrows use on/off parameters to control visibility.



TEXT TYPES

3/32” Arial is the standard Revit Text. It can be found in different versions to facilitate text creation. The standard leader uses an “Arrow Filled 20 Degree” and a 1.0 width. Use the provided Dimension Styles.



TAGGING

Each Consultant should use specific annotative tags for everything that can be tagged or will be shared between disciplines. Equipment Tags shall be formatted to be underlined. All Tags shall use 1/8” Arial font style.

GENERAL NOTES

General Notes are notes referring to that specific Sheet. It can also generically refer to other sheets for more information or Details. All general notes shall be placed in the Top-Right Corner snapped to the Title Block.

CODED NOTES

Coded Notes are sometimes required to clear free space on a Sheet for notes that are too long. Use coded note families, schedules and table header families as needed. Fill in information using coded notes. All Coded notes shall be placed in the Top-Right Corner snapped to the General Notes (or the Title Block if, no General Notes).

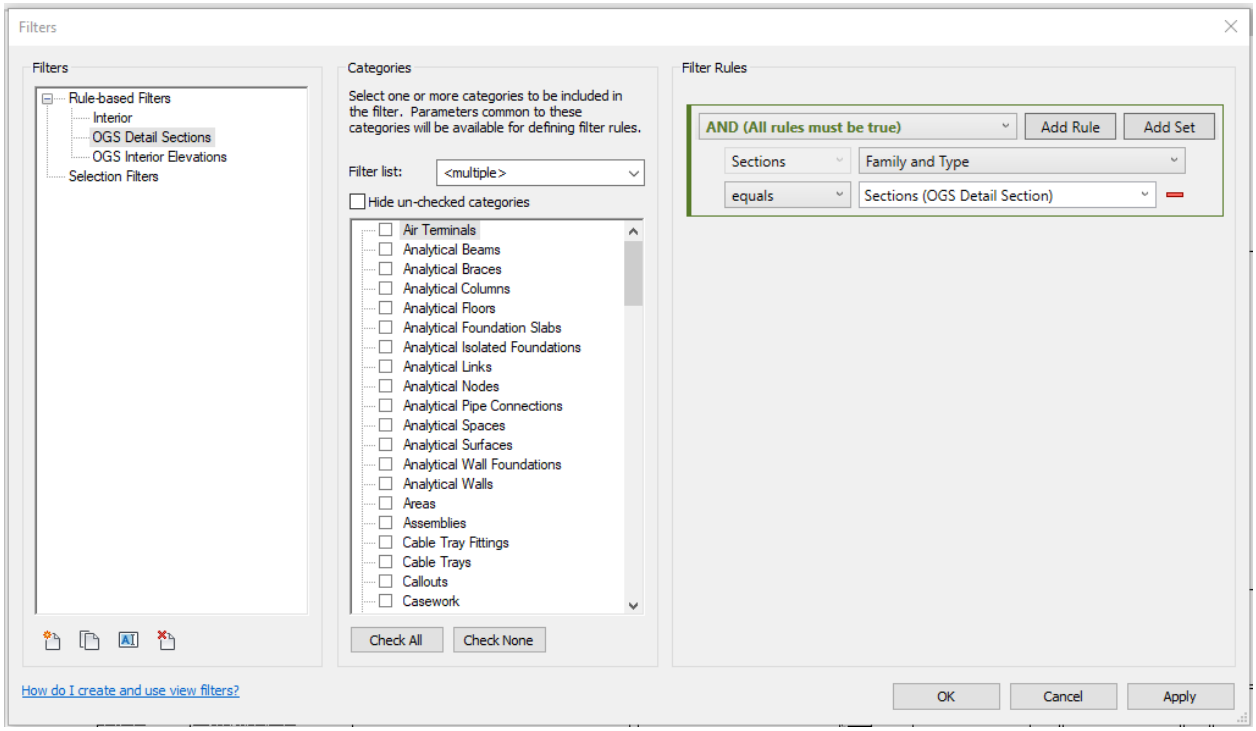
REVISION NOTES

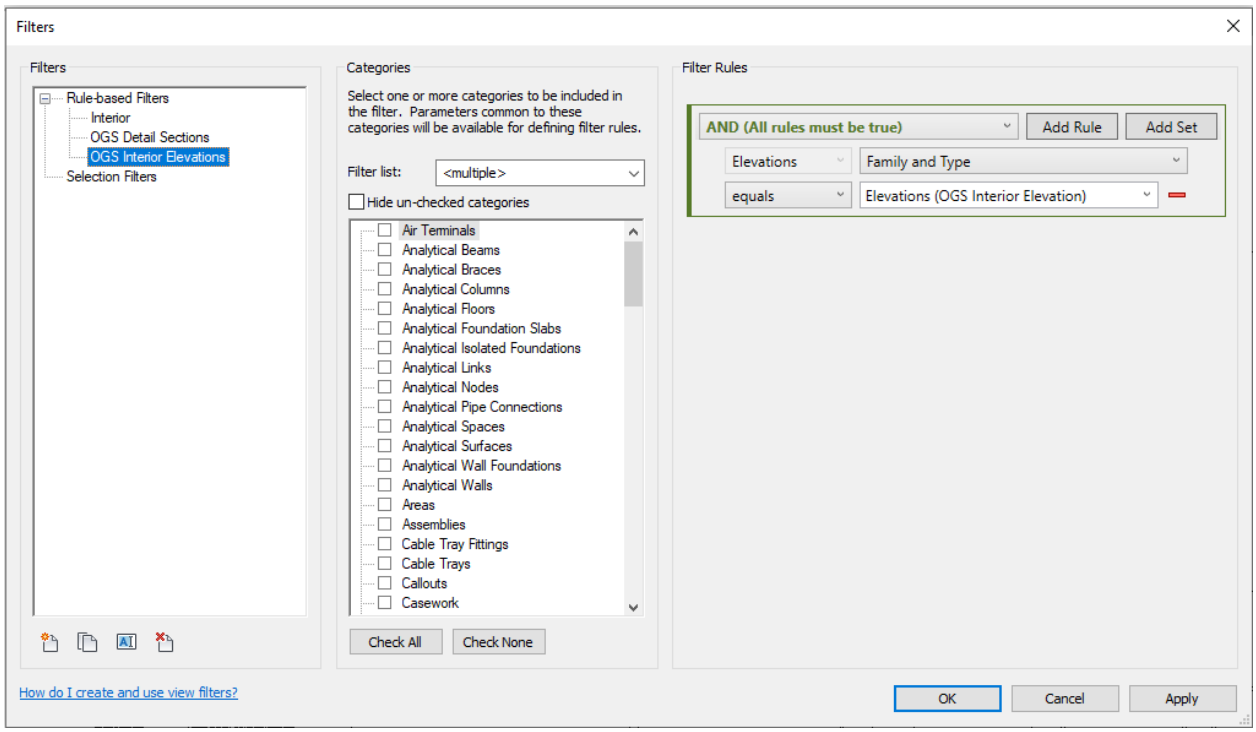
The project revision block is to be controlled by the Revit Revision tool, without needing to modify the titleblock to add Revision related text. Revisions within Revit shall be set as “per sheet”. Revision note standard is shown below.

- Sheets that are part of submittals pre-signed stamped version will acquire all submittal stamps.
- Sheets that are part of the signed stamped submittal will have their revision blocks reset and all previous submissions removed.
- Post signed stamped submittal, only sheets that are issued as part of a re-issue will receive the appropriate revision.

VIEW FILTERS

View Filters are used to control the visibility of elements in a view. They allow the user to hide or show specific elements based on their properties, such as category, type, or phase.



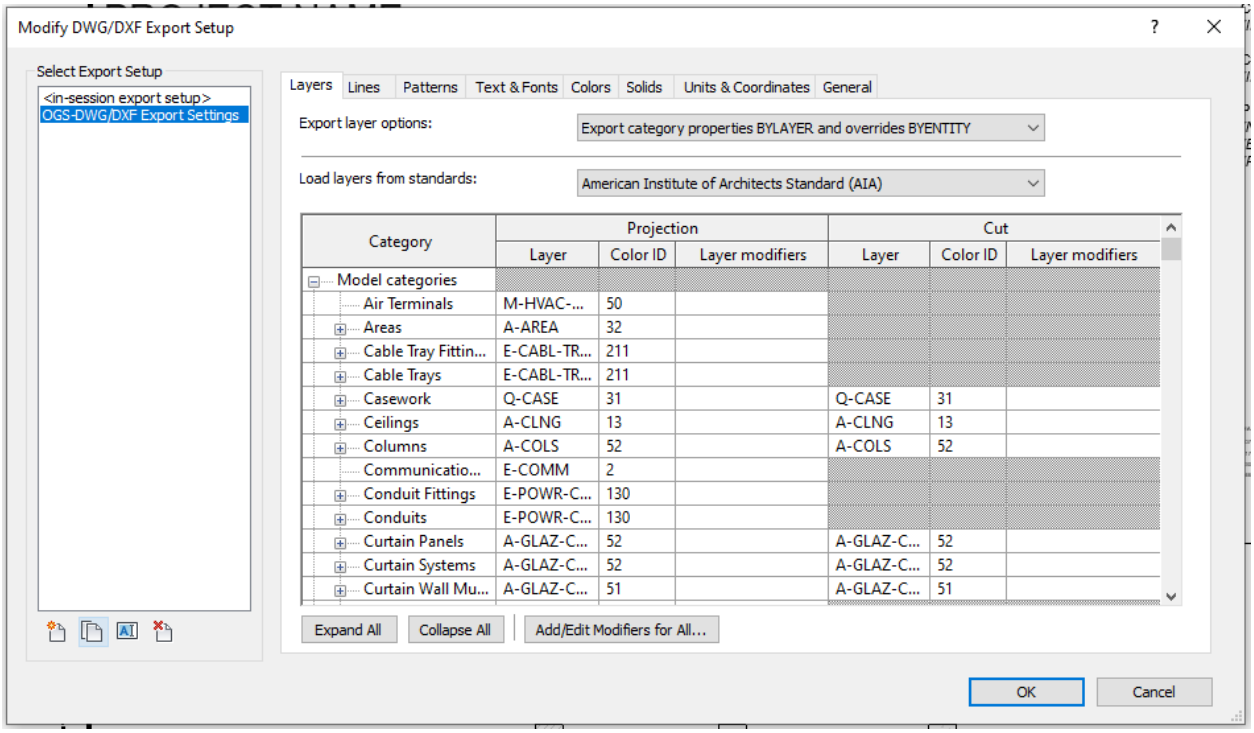


AUTOCAD EXPORT SETTINGS

Each discipline is expected to export an updated plan view, unlimited view range, True North orientation for Civil Coordination whenever significant changes are made or at the request of the Project Manager / BIM Coordinators / Civil users. The file should be placed in the XREF folder of BIM360 and use the following file name convention. All exported DWGs should be one entire floor showing its own, with the view saved for future use with "-DWG Export" as the name.

Discipline/Model	Floor/Level	Modifier	Building
ARCH	*1st*	*Demo*	***Lexington***

The DWG/DXF Export Setup feature allows the user to export a Revit model to a DWG or DXF file format to allow compatibility with other software. **OGS-DWG/DXF Export Settings** are included in the template and are based on the AIA Standard layers.


Modify DWG/DXF Export Setup
Select Export Setup
<in-session export setup>
OGS-DWG/DXF Export Settings
Layers
Lines
Patterns
Text & Fonts
Colors
Solids
Units & Coordinates
General
Export layer options:
Export category properties BYLAYER and overrides BYENTITY
Load layers from standards:
American Institute of Architects Standard (AIA)
Category
Projection
Cut
Layer
Color ID
Layer modifiers
Model categories
Air Terminals M-HVAC-... 50
Areas A-AREA 32
Cable Tray Fittin... E-CABL-TR... 211
Cable Trays E-CABL-TR... 211
Casework Q-CASE 31 Q-CASE 31
Ceilings A-CLNG 13 A-CLNG 13
Columns A-COLS 52 A-COLS 52
Communicatio... E-COMM 2
Conduit Fittings E-POWR-C... 130
Conduits E-POWR-C... 130
Curtain Panels A-GLAZ-C... 52 A-GLAZ-C... 52
Curtain Systems A-GLAZ-C... 52 A-GLAZ-C... 52
Curtain Wall Mu... A-GLAZ-C... 51 A-GLAZ-C... 51
Expand All
Collapse All
Add/Edit Modifiers for All...
OK
Cancel

COORDINATION

AUTODESK NAVISWORKS

NAVISWORKS FILE TYPES (NWF, NWC, NWD)

The following file types will be used in a Navisworks clash detection process:

NWC

NWC, or Navisworks Cache files, are generated from the native design models in Revit or Civil 3D. NWC files are read-only files and can be thought of as a transfer mechanism to convert Revit and other model data into a format that Navisworks recognizes. All geometry, relevant object property information, and display settings from the source files will carry over with the NWC export. Once the file is opened in Navisworks, any changes made – such as redlines, markups, viewpoints, or display overrides – cannot be saved back to this format.

When the native model format file is first brought in, Navisworks creates a file with the same name but with the .nwc file extension in the same directory as the source file; existing file names of .nwc files should be maintained and overwritten in a designated shared location within the project folder.

NWF

NWF files host no 3D geometry but rather contain links to the geometry from the original NWC source files. Besides the links, NWF files contain such items as markup data, viewpoints, comments, graphical overrides, search/selection sets, TimeLiner, and clash detection tests.

When working with the NWF file format, the file size for NWFs is extremely small as compared to the NWC/NWD formats; however, the user must have access to the source files located at a shared location within the project folder to view properly.

NWD

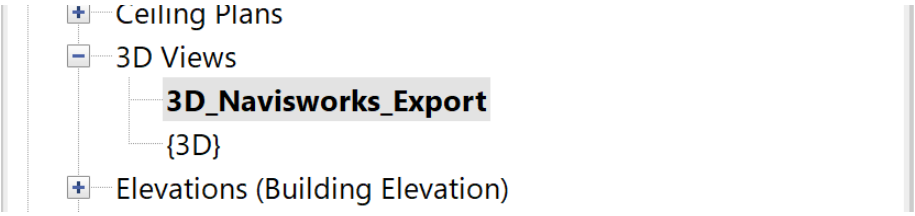
NWD files can be thought of as static snapshots that capture specific milestones that will be detached from NWC links. Similar to the NWC format, the NWD format includes all geometry and object property data but can save changes and graphical overrides to the model. The primary difference is that NWD files do not update or re-cache if changes have been made to the source data. Sometimes having a static representation of a model is useful for archiving specific milestone events.

Also, since this format has all of the geometry integrated into the file, it is a perfect format to share with other users without worrying about supplying the accompanying source files.

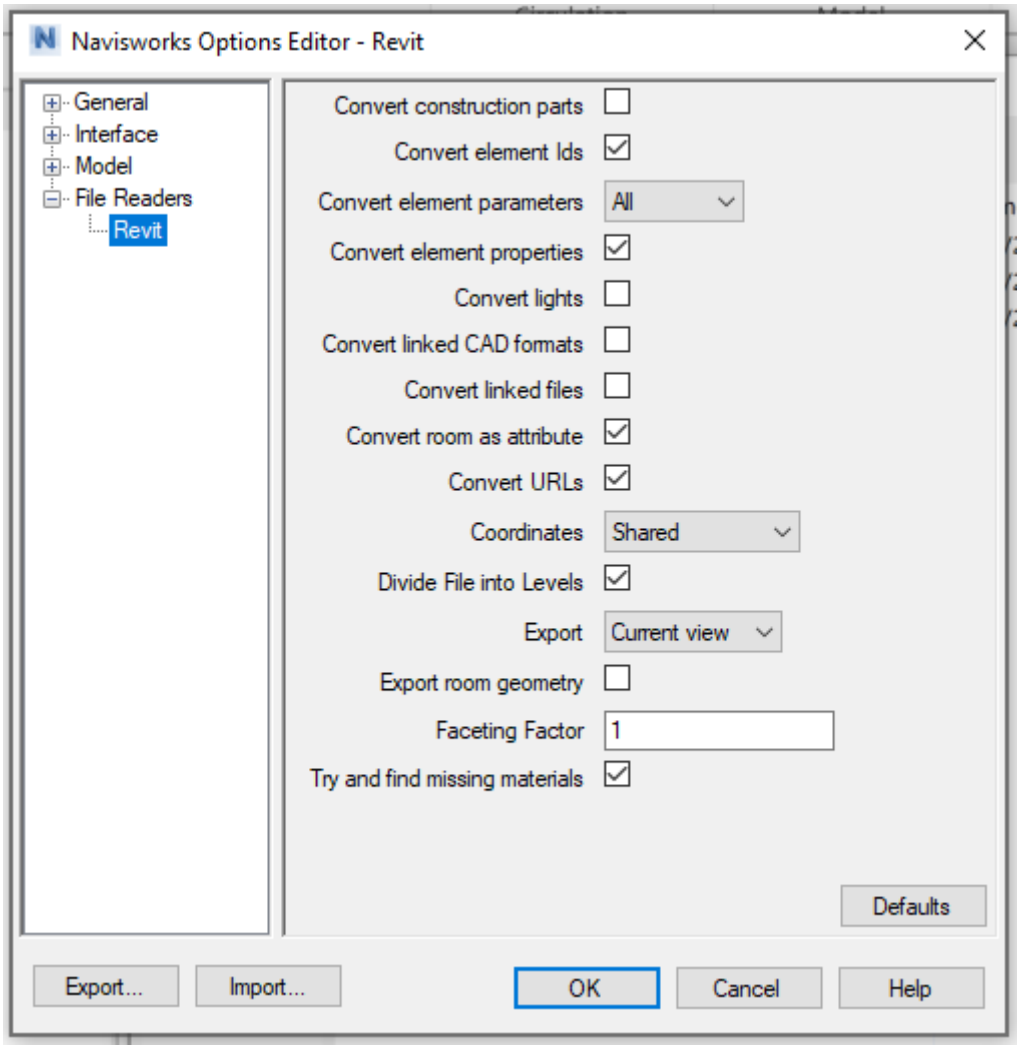
EXPORT NWC MODEL

Navisworks files can be exported from Revit, from the following two options:

1. Use the preloaded 3D view in the Revit template, which is named “3D_Navisworks_Export”.



2. If the view needs to be recreated, the A/E or contractor can adjust or set up a new view, following the steps below:
    a. Go to the default 3D view.
    b. Set the Detail Level to Fine
    c. Set the Visual Style to Wireframe
    d. Hide non-model elements (in VG) such as:
        i. Lines (from Model Categories)
        ii. Scope Boxes (from Annotation Categories)
        iii. Structural Analytical Lines (from Analytical Model Categories)
        iv. Imported drawings, families, etc. from (Imported Categories)
        v. Links from (Revit Links)
    e. Save the view as “3D_Navisworks_Export”
    f. Go to File >> Export >> NWC
    g. Click on the Navisworks Settings button


Navisworks Options Editor - Revit
General
Interface
Model
File Readers
Revit
Convert construction parts
Convert element Ids
Convert element parameters
All
Convert element properties
Convert lights
Convert linked CAD formats
Convert linked files
Convert room as attribute
Convert URLs
Coordinates
Shared
Divide File into Levels
Export
Current view
Export room geometry
Faceting Factor
1
Try and find missing materials
Defaults
Export...
Import...
OK
Cancel
Help

DELIVERY

All models shall be delivered in the native authoring file format. They shall be packaged for each design phase and shall include:

- All native model files,
- All master files (container files, documentation files, etc.),
- All linked files,
- Any additional settings required to export or print information from the model (such as DWG Export Settings, page setup. etc.),
- All the views, schedules and legends that are included in the documentation sets,
- All the sheets in the set, exported in both DWG and PDF.

Furthermore, all the drawings and schedules will be created from the BIM model.

FILE FORMATS

These formats are required to allow interoperability between different BIM software:

- RVT: files authored in Autodesk Revit
- DWG: files authored in Autodesk Civil3D
- NWD: files authored in Navisworks Manage

REVIT MODEL ISSUANCE

The following are some best practices to consider when cleaning a Revit model before issuance:

1. Publish the model before performing any clean-up activities to ensure data safety and have backup capabilities. Use the Publish Settings to share the views and sheets relevant to the set.
2. Open with Audit and Resolve Errors and Warnings: Run the "Audit" tool in Revit to identify and resolve any errors or warnings in the model. Addressing these issues improves model integrity and reliability.
3. Review links and imported elements: check that all links are centralized in a location that is accessible to the entire team and remove imported elements that slow model performance.
4. Purge Unused elements: Use the "Purge Unused" tool in Revit to remove any unused or unnecessary elements from the model. This helps reduce file size and improve performance.
5. Review and remove unnecessary views and sheets: revise the project's views and sheets to identify any unused or redundant ones. Delete or hide views and sheets that are not needed for the final deliverables. E.g., Work in progress views.
6. Manage Levels and Grids: review the project's levels and grids to ensure they are properly organized and labeled. Remove any unused or redundant levels and grids to streamline the model.
7. Check and clean up model geometry: inspect the model for any overlapping or intersecting elements, misplaced elements, or gaps in geometry. Make necessary adjustments to ensure accuracy and detect clash geometry.
8. Optimize views and detail levels: evaluate the level of detail in each view and adjust it as necessary. Use appropriate detail levels to balance model complexity and performance.

9. Check and assign object properties: review and ensure that all model elements have the correct object properties assigned, such as materials, parameters, and classifications.
10. Worksets: ensure the elements were added to the correct worksets to facilitate model visualization. Make use of Hidden worksets when necessary.

PLUG-INS

Plugins enhance the functionality of Revit. Although they are not mandatory, this section comprehends recommended plugins that facilitate recurrent workflows. They are free and can be installed at the discretion of the IT department.

- Revit Add-In – “Scope Box Synchronizer” by Omnia Revit

https://apps.autodesk.com/RVT/en/Detail/Index?id=6897465823377340538

- DiRoots

https://diroots.com/revit-plugins/dirootsone/

- PyRevit

https://github.com/eirannejad/pyRevit/releases

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Corning Tower
The Governor Nelson A. Rockefeller Empire State Plaza
Albany, New York 12242

MEETING ATTENDANCE SHEET

Project No.: **47166 C**

Business Unit:	Type of Meeting:	Meeting Report No.:	Date:	Page:
BU-5	Pre-Bid Site Visit	5	6/12/24	1 of 5

Project Description: *(Project Title, Facility Name and Address)*
National Guard Readiness Center Addition/, Alteration, State Armory, 68 Lexington Ave, New York, NY 10010-1830

Name and Title *(Print)*	Signature	Representing	E-Mail Address and Fax	Telephone
Name: JEREMY SIEGEL Title: EIC		OGS	E-Mail: JEREMY.SIEGEL@OGS.NY.GOV Fax:	Daytime: Emergency:
Name: WILLIAM DEGARAY Title: PM		NORTH SHORE CLIMATE CONTROL	E-Mail: BIOS@NSCCHVAC.com Fax:	Daytime: 631-263-3157 Emergency:
Name: BRIAN TROAST Title: PM		PRISMATIC	E-Mail: BDTROAST@PRISDEV.com Fax:	Daytime: 973-349 9706 Emergency:
Name: Richard Title: Doran		Pinnacle	E-Mail: rdoran@pinenv.com Fax:	Daytime: 201 939 6865 Emergency:
Name: Joe Patrick Title: Pm		Pinnacle Env.	E-Mail: jpatrick@pinenv.com Fax:	Daytime: 201 852 1945 Emergency:
Name: STEFANO MODUGNO Title: PRINCIPAL		APPELLI INTERIORS	E-Mail: SMODUGNO@ZEPHYRINT.Com Fax:	Daytime: 718.360 6873 Emergency:
Name: Paul TEDESCO Title:		APPELLI INTERIORS	E-Mail: PTEDESCO@ZEPHYRINT.com Fax:	Daytime: 908 548-3384 Emergency:
Name: Title:		ATM Y clean	E-Mail: estimating@amnyclean.com Fax:	Daytime: Emergency:

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Name and Title *(Print)*	Signature	Representing	E-Mail Address and Fax	Telephone
Name: Rob Singley Title: PM		PAL Environmental	E-Mail: rsingley@palcorp.com Fax:	Daytime: (201) 615-3045 Emergency:
Name: Barry Bulich Title: CEO		BARDEN	E-Mail: barry@BARDENLLC.com Fax:	Daytime: 347 251 4593 Emergency:
Name: Tanmay Saha Title: Estimator		DNA Contracting	E-Mail: tanmay.save@dnacontractingllc.com Fax:	Daytime: 347-906-0357 Emergency:
Name: Olivia Delmonico Title: PM		Grenadier	E-Mail: olivia@grenadiercorp.com Fax:	Daytime: 203-893-0752 Emergency:
Name: Tom Gracin Title: Universal		Universal	E-Mail: TGracin@Universalhvac.com Fax:	Daytime: Emergency: 516-504-1120
Name: Chris Barbella Title: PM		Grenadier	E-Mail: barbella@grenadiercorp.com Fax:	Daytime: 570 994-5570 Emergency:
Name: Byron Kerr Title:		Barden	E-Mail: Byron@Barden.llc.com Fax:	Daytime: 914 359 1471 Emergency:
Name: Boris Dekhtyar Title:		ETS Contracting	E-Mail: Boris@ETScontracting.com Fax:	Daytime: 347 986 7502 Emergency:

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National Guard Readiness Center Addition/, Alteration, State Armory, 68 Lexington Ave, New York, NY 10010-1830

Name and Title *(Print)*	Signature	Representing	E-Mail Address and Fax	Telephone
Name: Ryan Stackman Title: vice president		Grand Light	E-Mail: info@grandlight.com Fax:	Daytime: 800-922-1469 Emergency:
Name: Estela Cely Title: PM		City Scaffolding	E-Mail: scityscaffoldinginc@gmail.com Fax:	Daytime: 3677844254 Emergency:
Name: George Kapassakis Title: Estimator	Volman	Volman	E-Mail: Georgek@Volman.com Fax:	Daytime: 9174178032 Emergency:
Name: WALTER FOWLER Title: SALES		G-STAL	E-Mail: ~~WFOWLER773~~ WF-GSTAL-ENTERPRISES@GMAIL Fax:	Daytime: 718-523-1587 Emergency:
Name: PETER POESL Title: ESTIMATOR		ADCO Elec.	E-Mail: ppoesel@adcoonline.com Fax:	Daytime: 3472032207 Emergency:
Name: SANTIAGO ARAGON Title: FOREMAN		CYPRESS RESTORATION	E-Mail: santiago@cypnyc.com Fax:	Daytime: 9042389710 Emergency: 9042389710
Name: BARBARA LIVAR Title: PM		AURORA LAMPWORKS	E-Mail: barbara@auroralampworks.com Fax:	Daytime: Emergency:
Name: MANUEL CANDO Title: LEAD TECHNICIAN			E-Mail: manuel@auroralampworks.com Fax:	Daytime: Emergency:

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Name and Title *(Print)*	Signature	Representing	E-Mail Address and Fax	Telephone
Name: Maguib Habashy Title:		Jolmar	E-Mail: mhabashy@jolmar.com Fax:	Daytime: Emergency:
Name: Peter Heretakis Title:	Peter Heretakis	L'Forma	E-Mail: Peter@lforma.com Fax:	Daytime: Emergency:
Name: L. Fitzpatrick Title:		OGS	E-Mail: Fax:	Daytime: Emergency:
Name: Luis Martinez Title: Project Mgr		CMC	E-Mail: cmcenvironcorp@aol.com Fax:	Daytime: Emergency:
Name: Moe Tamazi Title: Director		G Stam	E-Mail: mtamazi@yahoo.com Fax:	Daytime: Emergency:
Name: Mary Kay Judy Title: Principal	Mary Kay Judy	Mary Kay Jvay	E-Mail: info@marykayjudy.com Fax:	Daytime: Emergency:
Name: Title:			E-Mail: Fax:	Daytime: Emergency:
Name: Title:			E-Mail: Fax:	Daytime: Emergency:

5

NEW YORK STATE OF OPPORTUNITY.

Office of General Services

Design and Construction
AN ISO 9001:2008 CERTIFIED ORGANIZATION

Corning Tower
The Governor Nelson A. Rockefeller Empire State Plaza
Albany, New York 12242

MEETING ATTENDANCE SHEET

Project No.: **47166 C**

Business Unit:	Type of Meeting:	Meeting Report No.:	Date:	Page:
BU-5	Pre-Bid Site Visit	5	6/12/24	5 of 5

Project Description: *(Project Title, Facility Name and Address)*
National Guard Readiness Center Addition/, Alteration, State Armory, 68 Lexington Ave, New York, NY 10010-1830

Name and Title *(Print)*	Signature	Representing	E-Mail Address and Fax	Telephone
Name: Henry Valencia Title: President			E-Mail: Henry@UrlenciaWorldGroup.com Fax: 914-906-8215	Daytime: Emergency:
Name: Dante Bottai Title:		Sweet	E-Mail: Fax:	Daytime: Emergency:
Name: LTC Michael Rodriguez Title: Program Manager		DMNA	E-Mail: michael.a.rodriguez11.mil@army.mil Fax:	Daytime: Emergency:
Name: Title:			E-Mail: Fax:	Daytime: Emergency:
Name: Title:			E-Mail: Fax:	Daytime: Emergency:
Name: Title:			E-Mail: Fax:	Daytime: Emergency:
Name: Title:			E-Mail: Fax:	Daytime: Emergency:
Name: Title:			E-Mail: Fax:	Daytime: Emergency:



RAISED STEPS TO BE SCRAPED AND REFINSIHED



RAISED STEPS TO BE SCRAPED AND REFINSIHED



REMOVE ANY PLYWOOD OVERLAY ON HISTORIC MEZZANINE FLOOR



EXISTING RAILING



ADDED PLYWOOD OVERLAY TO BE REMOVED



EXISTING STAIR TO BE RETAINED

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REGISTERED ARCHITECT — STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-07-2024	ADDENDUM 05

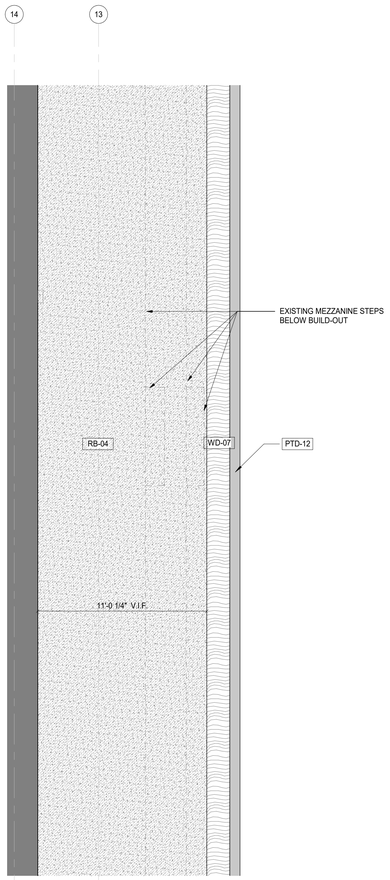
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
CURRENT CONDITIONS OF MEZZANINE

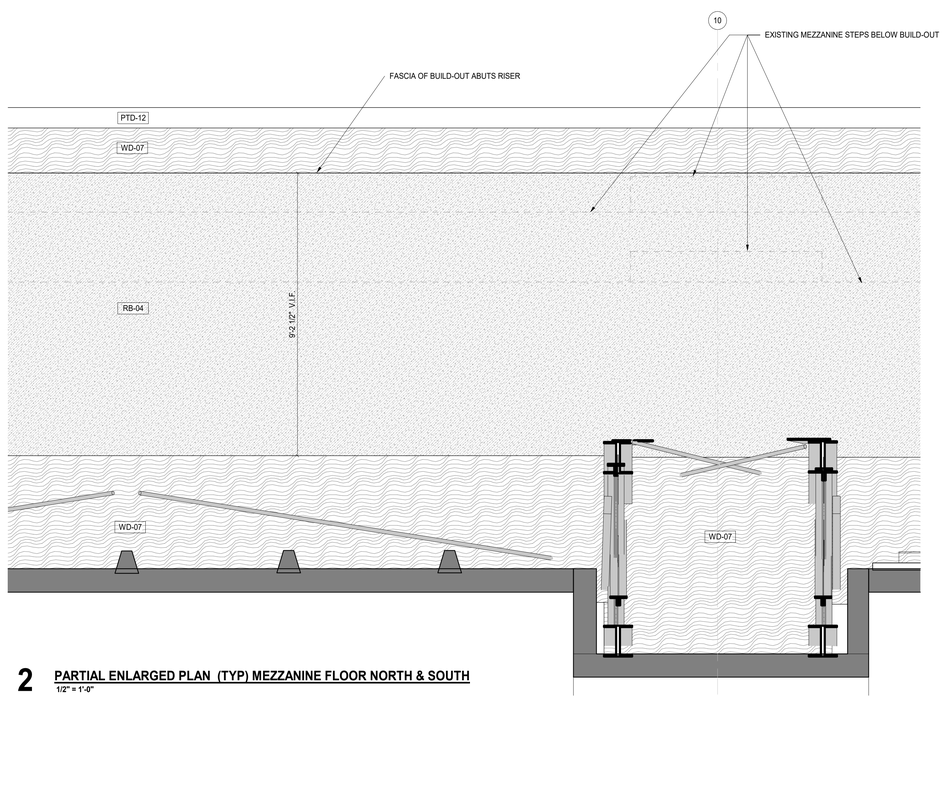
DRAWING NUMBER:
AD-005

SHEET: OF

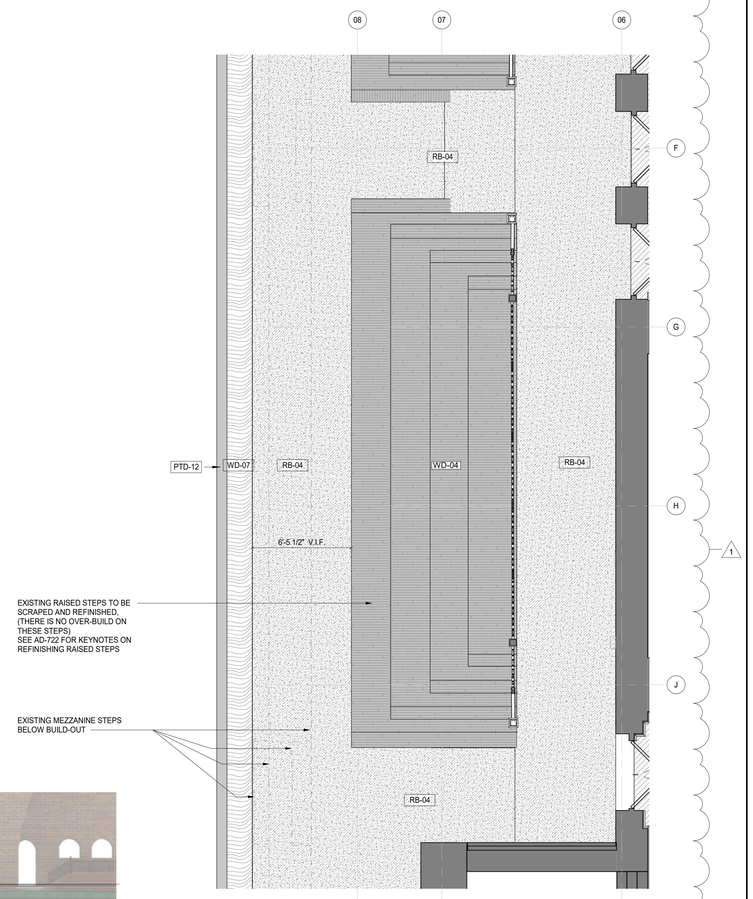
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42x30 PLOT SHEET



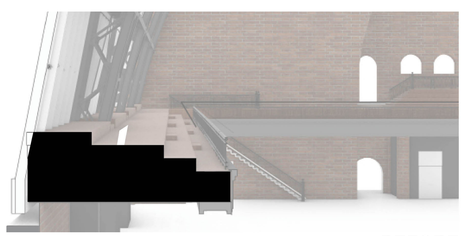
3 **PARTIAL ENLARGED PLAN - MEZZANINE FLOOR WEST**
1/4" = 1'-0"



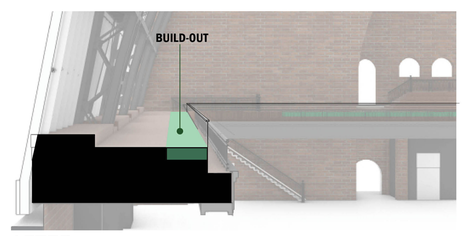
2 **PARTIAL ENLARGED PLAN (TYP) MEZZANINE FLOOR NORTH & SOUTH**
1/2" = 1'-0"



1 **PARTIAL ENLARGED PLAN - MEZZANINE FLOOR EAST**
1/4" = 1'-0"



BEFORE



AFTER



BEFORE BUILD-UP: RENDERING OF EXISTING STRCUTURE OF MEZZANINE STEPS
(FOR PHOTOGRAPHS OF CURRENT CONDITION SEE A-005)



AFTER BUILD-UP: RENDERING OF BUILT-OUT MEZZANINE STEP WITH RUBBER FLOORING & ADDED RAILING

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EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRU

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-07-2024	ADDENDUM 05

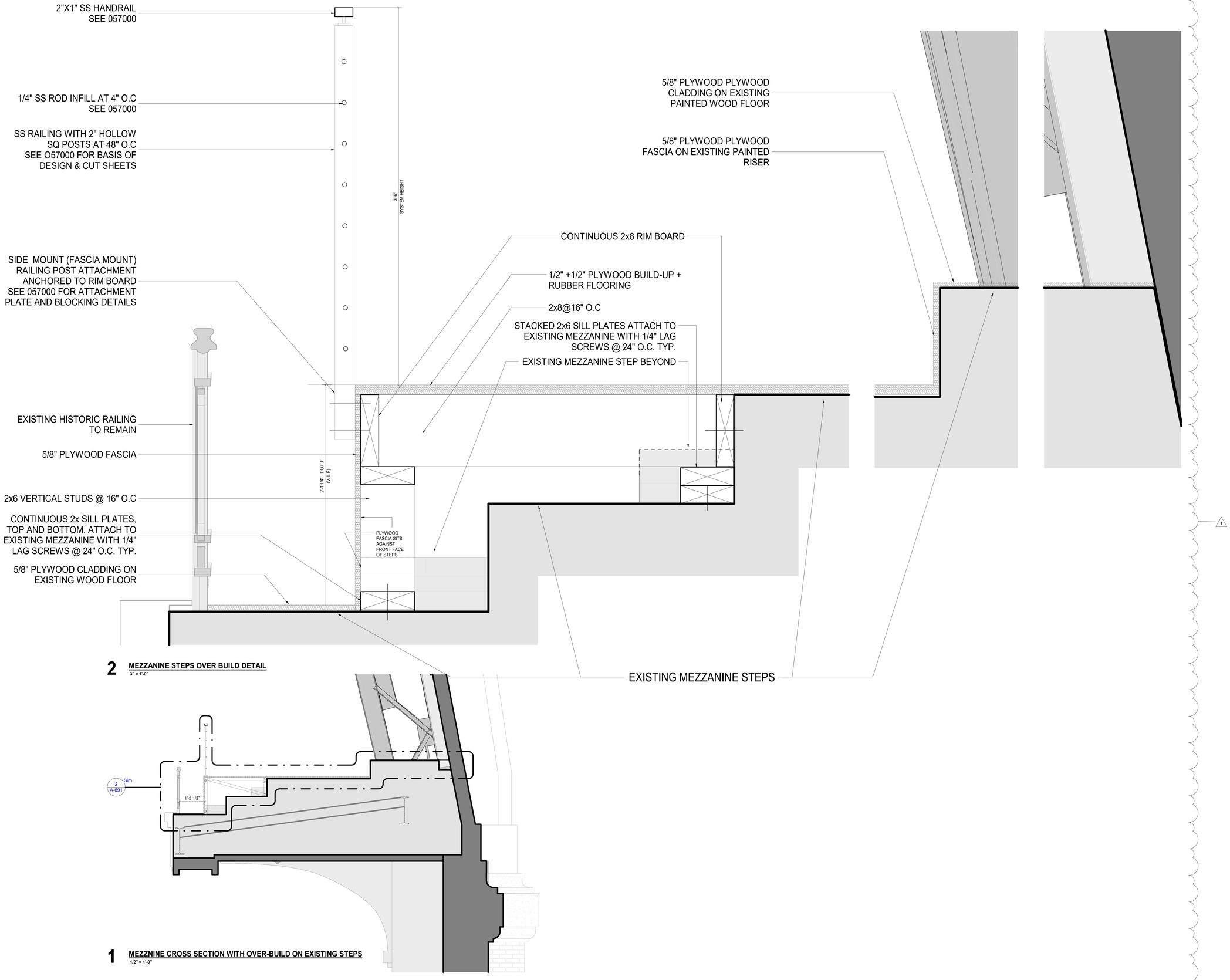
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
MEZZANINE FLOOR BUILD-UP- ENALRGED PLANS & RENDERS

DRAWING NUMBER:
A-690 1

SHEET: OF

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2 **MEZZANINE STEPS OVER BUILD DETAIL**
3" = 1'-0"

1 **MEZZNINE CROSS SECTION WITH OVER-BUILD ON EXISTING STEPS**
1/2" = 1'-0"

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REGISTERED ARCHITECT JOHN MARVEL 031351 STATE OF NEW YORK

EXPIRATION DATE:
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CONTRACT:
CONSTRUC

TITLE:
NATIONAL GUARD READINESS CENTER
ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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MARK	DATE	DESCRIPTION
1	06-07-2024	ADDENDUM 05

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

SHEET TITLE:

MEZZANINE FLOOR
BUILD-UP DETAILS

DRAWING NUMBER:
A-691
1

SHEET: OF

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GENERAL NOTES

1. ALL STRUCTURAL WORK SHALL BE COORDINATED WITH, BUT NOT LIMITED TOO, ARCHITECTURAL AND MECHANICAL DRAWINGS AND SHALL CONFORM TO THE PROJECT SPECIFICATIONS, INCLUDING THE 2020 NEW YORK STATE BUILDING CODE. ALL GOVERNING STANDARDS LISTED IN THESE NOTES SHALL BE THE EDITION REFERENCED IN THIS GOVERNING CODE.
2. PROVIDE TEMPORARY SHORING, BRACING, AND SHEETING AND SHALL MAKE SAFE ALL FLOORS, ROOFS, WALLS, AND ADJACENT PROPERTY AS PROJECT CONDITIONS REQUIRE. SHORING AND SHEETING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE PROJECT JURISDICTION, HIRED BY THE CONTRACTOR, WHO SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE DIRECTOR'S REPRESENTATIVE REVIEW.
3. DIMENSIONS AND ELEVATIONS OF EXISTING CONSTRUCTION GIVEN IN STRUCTURAL DRAWINGS ARE BASED ON INFORMATION CONTAINED IN VARIOUS ORIGINAL DESIGN AND CONSTRUCTION DOCUMENTS PROVIDED BY THE STATE, AND LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENT AND OBSERVATION AT THE SITE. ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTRACT DOCUMENTS SHALL BE REPORTED TO THE DIRECTOR'S REPRESNTATIVE FOR EVALUATION BEFORE THE AFFECTED CONSTRUCTION IS PUT IN PLACE.
4. THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. THESE NOTES HIGHLIGHT RATHER THAN REPLACE THE SPECIFICATIONS CONTAINED IN THE PROJECT MANUAL.

FOUNDATIONS

1. BUILDING FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL HAVING A MINIMUM BEARING CAPACITY OF 2000 PSF AS SPECIFIED BY THE GEOTECHNICAL REPORTED DATED MARCH 17, 2023 BY OWEIS ENGINEERING. ADEQUACY OF BEARING STRATUM SHALL BE VERIFIED IN FIELD PRIOR TO PLACING CONCRETE. ALL NECESSARY ADJUSTMENTS TO THE BOTTOM OF FOOTINGS TO BE REVIEWED AND APPROVED BY THE DIRECTOR'S REPRESENTATIVE.
2. DO NOT PLACE BACKFILL AGAINST BASEMENT WALLS UNTIL ALL FLOORS BRACING THESE WALLS ARE IN PLACE AND HAVE ATTAINED THEIR 28-DAY STRENGTH.
3. ALL EXTERIOR FOOTINGS SHALL BE PLACED A MINIMUM OF 3' - 6" BELOW FINAL GRADE.
4. CONCRETE SHALL BE POURED IN DRY EXCAVATIONS. CONTRACTOR SHALL NOTE SOIL AND WATER CONDITIONS AS SHOWN BY BORINGS INCLUDED IN THE REFERENCED GEOTECHNICAL SUBSURFACE INVESTIGATION REPORT(S) AND DEPTHS OF FOOTING AS SHOWN ON FOUNDATION PLANS.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
   A. AMERICAN CONCRETE INSTITUTE (ACI) "BUILDING CODE REQUIREMENTS FOR CONCRETE" (ACI 318)
   B. ACI COLLECTION, LATEST EDITION
   C. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE"
2. ALL CONCRETE COMPOSITE ON METAL DECK SHALL BE LIGHT WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
3. ALL OTHER CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
4. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 OR A775 EPOXY COATED WHEN CALLED OUT ON PLAN. REINFORCING STEEL SHALL BE DETAILED ACCORDING TO THE ACI "DETAILS AND DETAILING OF REINFORCEMENT" (ACI 315).
5. REINFORCING STEEL TO BE WELDED TO CONFORM TO ASTM A706 GRADE 60.
6. WELDED WIRE REINFORCEMENT (W.W.R.) SHALL CONFORM TO ASTM A1064, WITH A MINIMUM YIELD STRENGTH OF 65,000 PSI.
7. COORDINATE SIZE AND LOCATION OF ALL OPENINGS AND PIPE SLEEVES WITH ALL OTHER DISCIPLINES. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6".
8. ALL GROUT SHALL BE NONSHRINK WITH A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.
9. MINIMUM CONCRETE COVER FOR REINFORCING STEEL IN CAST-IN-PLACE NON-PRESTRESSED MEMBERS SHALL BE AS FOLLOWS:
   A. ALL CONCRETE CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND: 3"
   B. ALL CONCRETE EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      a. 2" (#6 THROUGH #18 BARS)
      b. 1-1/2" (#5 BAR, W31 OR D31 WIRE, AND SMALLER)
   C. NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
      a. SLABS, JOISTS, AND WALLS:
         - 1-1/2" (#14 THROUGH #18 BARS)
         - 3/4" (#11 BAR AND SMALLER)
      b. BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES (STIRRUPS, TIES, SPIRALS, HOOPS, AND PRIMARY REINFORCEMENT): 1-1/2"
   D. SHEAR WALLS: SEE ELEVATIONS FOR SPECIFIED CONCRETE COVER.
10. SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO CONCRETE WORK SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.
11. CLEAN AND ROUGHEN TO 1/4" AMPLITUDE ALL EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE PRIOR TO PLACEMENT.
12. SEE OTHER DRAWINGS IN THIS PROJECT FOR SIZE AND LOCATIONS OF EQUIPMENT PADS, INSERT AND EMBED ITEMS.
13. REINFORCING DOWELS, WATER STOPS, AND OTHER EMBED ITEMS SHALL BE INSTALLED AND SECURED PRIOR TO CONCRETE PLACEMENT. "WET-SETTING" OF EMBEDDED ITEMS IS NOT PERMITTED.
14. WELDED WIRE REINFORCEMENT IN COMPOSITE CONSTRUCTION SHALL HAVE TENSION SPLICES AND BE ANCHORED AT DISCONTINUOUS EDGES.
15. CONDUIT EMBEDDED IN CONCRETE SHALL FOLLOW THE GUIDELINES IN THE TYPICAL DETAILS. THE CONTRACTOR SHALL NOT VIOLATE THESE GUIDELINES WITHOUT WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.

CONCRETE BLOCK

1. ALL CONCRETE BLOCK WORK SHALL CONFORM TO THE "NATIONAL CONCRETE MASONRY ASSOCIATION TEK MANUAL FOR THE DESIGN AND CONSTRUCTION OF CONCRETE MASONRY", LATEST EDITION, AND "ACI 530-BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES".
2. CONCRETE BLOCK SHALL BE OF LIGHTWEIGHT AGGREGATE AND CONFORM TO THE FOLLOWING STANDARDS: HOLLOW BLOCK: ASTM C90.

NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNIT (PSI)	NET AREA COMPRESSIVE STRENGTH OF MASONRY ASSEMBLY, F'm (PSI) USING TYPE S MORTAR
1900	1500
2800	2000
3750	2500
4800	3000

   UNLESS OTHERWISE NOTED ON PLANS AND/OR ELEVATIONS, CONCRETE BLOCK UNIT STRENGTH SHALL BE 1900 PSI MIN. (NOTE: CONCRETE BLOCK WITH UNIT STRENGTH HIGHER THAN 1900 PSI GENERALLY REQUIRES LONGER DELIVERY LEAD TIMES.)
3. ALL MORTAR SHALL BE ASTM C270, TYPE S.
4. ALL GROUT FOR FILLING CELLS SHALL BE ASTM C 476 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI BUT NOT LESS THAN THE COMPRESSIVE STRENGTH OF THE MASONRY ASSEMBLY, F'm. WHERE GROUT CELLS DO NOT EXCEED 4" IN DIAMETER FINE GROUT SHALL BE USED.
5. ALL BLOCK DIMENSIONS INDICATED ON STRUCTURAL PLANS ARE NOMINAL DIMENSIONS. DESIGN OF WALL REINFORCING ASSUMES CONCRETE MASONRY UNITS THAT ARE 16" LONG AND HAVE TWO CORES/CELLS, RESULTING IN A NOMINAL BAR SPACING OF 8" ON CENTER.
6. ALL CONCRETE BLOCK BELOW GRADE SHALL BE FILLED SOLID WITH GROUT.
7. CONCRETE BLOCK BELOW BEAM OR TRUSS BEARING POINTS SHALL BE FILLED SOLID FOR A MINIMUM OF TWO COURSES IN DEPTH AND A MINIMUM OF 32" IN WIDTH, UNLESS NOTED OTHERWISE.
8. INSTALL STANDARD WEIGHT LADDER-TYPE JOINT REINFORCEMENT AT 16" ON CENTER (SPACED VERTICALLY).
9. UNLESS NOTED OTHERWISE ALL MASONRY WALLS SHALL BE REINFORCED WITH #4@48" ON CENTER VERTICAL. GROUT ALL REINFORCED CELLS SOLID. PROVIDE DOWELS TO MATCH VERTICAL REINFORCING AT FOUNDATION.
10. WHERE CMU IS SUPPORTED ON STRUCTURAL STEEL MEMBERS, PROVIDE WELDABLE REBAR COUPLERS CONNECTED TO TOP FLANGE OF STEEL BEAM. DOWELS TO MATCH SIZE AND SPACING OF CMU REINFORCEMENT. DOWELS MUST PROVIDE FULL TENSION LAP SPLICE WITH CMU REINFORCEMENT.

LEGEND

- EXISTING CONCRETE FOOTING, GRADE BEAM, OR PILE CAP
- CONCRETE FOOTING, GRADE BEAM, OR PILE CAP
- WALL OR CONCRETE BEAM BELOW
- BRICK MASONRY
- CONCRETE MASONRY (CMU)
- CONCRETE WALL
- EXISTING WALL, BEAM FLOOR, OR FOUNDATION (SEE NOTES FOR MATERIAL)
- EXISTING CONCRETE COLUMN
- EXISTING ELEMENT TO BE DEMOLISHED
- STEEL COLUMN
- EXISTING STEEL COLUMN
- COLUMN ABOVE / BELOW
- EXISTING STEEL BEAM
- STEEL BEAM
- SLOPED STEEL BEAM (TAIL INDICATES HIGH END)
- BP-# BEAM BEARING PLATE IN CONCRETE OR MASONRY (SEE DETAIL)

- S-# TWO WAY CONCRETE SLAB (SEE SCHEDULE) ON S601, SOLID SPAN ARROW INDICATES TOP MOST AND BOTTOM MOST REINFORCING
- S-# CONCRETE ON METAL DECK (SEE SCHEDULE) ON S601, OPEN ARROW INDICATES SPAN DIRECTION
- S.O.G. SLAB ON GRADE (SEE SCHEDULE) ON S601
- RAMP/SLOPED FLOOR (TAIL INDICATES HIGH END)
- STEP IN SLAB
- SLAB SLOPE TRANSITION
- ## - ## TOP OF SLAB ELEVATION
- OPENING IN SLAB
- EXISTING OPENING IN EXISTING SLAB
- 0 COLUMN LINE
- <## - ##"> TOP OF FRAMING ELEVATION RELATIVE TO DATUM
- COLUMN UP / COLUMN DOWN
- P-# BEAM WEB PENETRATION. # INDICATES DIAMETER OF WEB PENETRATION, SEE TYPICAL DETAIL ON S503 FOR MORE INFORMATION
- X KEYNOTE, STRUCTURAL PLAN NOTE FOR SCOPE, REFER TO KEYNOTE SCHEDULE FOR REQUIRED WORK AND PLANS FOR LOCATION

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING GOVERNING STANDARDS:
   A. AISC 360 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS".
   B. AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".
   C. AMERICAN WELDING SOCIETY (AWS D1.1) "STRUCTURAL WELDING CODE - STEEL".
   D. RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC) "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS".
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:
   A. WIDE FLANGE BEAMS, COLUMNS, AND STRUCTURAL TEES: ASTM A992.
   B. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE C.
   C. STRUCTURAL PIPE SECTIONS: ASTM A53, GRADE B.
   D. CHANNELS, ANGLES, AND PLATES: ASTM A36 UNLESS OTHERWISE NOTED.
   E. STRUCTURAL STEEL PLATE SHALL BE ASTM A572 GRADE 50 HAVING A MINIMUM YIELD POINT OF 50,000 PSI. GRADE 42 HAVING A MINIMUM YIELD POINT OF 42,000 PSI FOR THICKNESS GREATER THAN 4".
   F. BOLTED CONNECTIONS SHALL BE PER ASTM F3125. GRADES ARE TO BE SELECTED AS FOLLOWS:
      a. STANDARD BEAM TO BEAM/GIRDER: ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN SNUG-TIGHTENED JOINTS (3/4" DIAMETER MINIMUM WITH HARDENED WASHERS).
      b. BEAM/GIRDER TO COLUMN CONNECTIONS, COLUMN SPLICES AND BOLTS EXPERIENCING TENSION LOADS (UNLESS OVERSIZED OR SLOTTED HOLES ARE USED, IN WHICH CASE SLIP-CRITICAL JOINTS SHALL BE USED): ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN PRETENSIONED JOINTS (3/4" DIAMETER MINIMUM WITH HARDENED WASHERS).
      c. MOMENT CONNECTIONS AND BRACED FRAME CONNECTIONS: ASTM F3125, GRADES A325, F1852, A490 OR F2280 BOLTS IN SLIP CRITICAL JOINTS (3/4" DIAMETER MINIMUM WITH HARDENED WASHERS). FAYING SURFACES SHALL BE CLASS A UNLESS OTHERWISE NOTED.
      d. PER AISC 341, ALL BOLTS SHALL BE INSTALLED AS PRETENSIONED HIGH STRENGTH BOLTS AND MEET THE REQUIREMENTS FOR SURFACE PREPARATION FOR SLIP CRITICAL CONNECTIONS WITH CLASS A SLIP COEFFICIENT OR HIGHER. THE AVAILABLE SHEAR STRENGTH OF BOLTED JOINTS USING STANDARD HOLES SHALL BE CALCULATED AS THAT FOR BEARING TYPE JOINTS.
   G. ANCHOR RODS: ASTM F1554, GRADE 36.
   H. STRUCTURAL STEEL NOTED TO BE STAINLESS STEEL SHALL BE ASTM A276 STAINLESS STEEL TYPE 316L [304L], UNLESS NOTED OTHERWISE.
   I. STAINLESS STEEL BOLTS SHALL CONFORM TO ASTM F593 GRADE B8/B8M FOR TYPE 304/316, RESPECTIVELY, TO MATCH MATERIAL JOINED.
   J. ALL STAINLESS STEEL NUTS SHALL CONFORM TO ASTM F594 GRADE 8/8M FOR TYPE 304/316, RESPECTIVELY, TO MATCH BOLT MATERIAL.
3. STEEL CONNECTION SHALL BE STANDARD AISC FRAMED BEAM CONNECTIONS, AND SHALL BE DESIGNED BY A LICENSED ENGINEER. WHO SHALL PROVIDE CALCULATIONS, UTILIZING LRFD LOADS AND PROCEDURES, UNLESS OTHERWISE NOTED ON PLAN. PROVIDE CONNECTIONS BASED ON MINIMUM SHEAR CAPACITY REQUIREMENTS IN THE FOLLOWING TABLE WHICH ARE BASED ON AISC DOUBLE ANGLE CONNECTIONS.

MINIMUM SHEAR CAPACITY REQUIREMENTS			
BEAM DEPTH (NOMINAL)	MIN. SHEAR CAPACITY ASD (Kips)	MIN. SHEAR CAPACITY LRFD (Kips)	MIN. NUMBER OF BOLT ROWS
8", 10"	23	34	2
12", 14"	36	54	3
16"	45	68	3
18"	54	82	4
21"	78	117	4
24"	105	157	5
27"	141	211	6
30"	161	242	7
33"	189	284	7
36"	209	315	8
40"+	230	345	9

   B. REINFORCING IS TO BE PROVIDED AT CONNECTIONS WHERE CUTS REDUCE THE SHEAR OR MOMENT CAPACITY BELOW THAT REQUIRED TO SUSTAIN THE REACTION. FLANGES AND WEBS ARE TO BE REINFORCED WHERE THE LOCAL CAPACITY TO SUSTAIN CONNECTION LOADS ARE INADEQUATE. CUTS OR COPES MAY PREVENT MINIMUM NUMBER OF BOLT ROWS SHOWN ABOVE FROM BEING ACHIEVED, WHICH IS ACCEPTABLE PENDING WRITTEN APPROVAL AND CONFIRMATION THAT MINIMUM SHEAR CAPACITY HAS BEEN MET.
   C. CONNECTIONS SHALL BE DESIGNED FOR SHEAR AND ECCENTRICITY, CONSIDERING THAT THE CONNECTIONS ARE AN EXTENSION OF THE BEAMS AND GIRDERS.
4. MINIMUM WELD SIZE IS 1/4" FILLET UNLESS NOTED OTHERWISE.
5. ALL BEAMS EXCEPT CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED WITH NATURAL CAMBER UP. CANTILEVER BEAMS SHALL BE FABRICATED AND INSTALLED SO THAT NATURAL CAMBER RAISES CANTILEVER END.
6. FIELD CUTTING OR BURNING OF STEEL IS PROHIBITED EXCEPT WITH THE EXPRESS WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD. (IN WHICH CASE ALL BURNING OF STEEL MUST CONFORM TO THE THERMAL CUTTING REQUIREMENTS OF AISC AND AWS)
7. WELDING SHALL BE PERFORMED BY CERTIFIED, AWS-QUALIFIED WELDERS. WELDING ELECTRODES FOR CARBON STEEL SHALL BE AWS 5.1, CLASS E70XX. FOR ASTM A572 GRADE 50 KSI PLATE USE ELECTRODE E7018 OR APPROVED EQUAL (OR ELECTRODES THAT MEET THE REQUIREMENT OF__). WELDING ELECTRODES FOR ASTM A276 STAINLESS STEEL, TYPE 304, SHALL CONFORM TO AWS A5.4 FOR SHIELDED METAL ARC WELDING, ELECTRODE CLASS E308; OR AWS A5.9 FOR GAS METAL ARC WELDING, ELECTRODE CLASS ER308. WELDING ELECTRODES FOR ASTM A276 TYPE 316L STAINLESS STEEL SHALL CONFORM TO AWS A5.4 FOR SHIELDED METAL ARC WELDING, ELECTRODE CLASS E316; OR AWS A5.9 FOR GAS METAL ARC WELDING, ELECTRODE CLASS ER316. WELDING ELECTRODES FOR JOINING STAINLESS STEEL TO CARBON STEEL SHALL CONFORM TO ELECTRODE CLASS E309/ER309.
8. SHOP PAINT EXPOSED STEEL MEMBERS, STEEL MEMBERS NOT ENCASED IN CONCRETE OR SPRAY FIREPROOFED, AND ALL STEEL MEMBERS AT THE EXTERIOR WALL WITH TNEMEC V10-99 OR APPROVED EQUAL EXCEPT FOR MEMBERS TO BE HOT DIPPED GALVANIZED.
9. FIELD PAINT ALL EXTERIOR EXPOSED MEMBERS WITH TNEMEC V530 OMNITHANE OR APPROVED EQUAL.
10. ALL EXTERIOR EXPOSED STEEL AND STEEL SUPPORTING EXTERIOR SHALL BE HOT DIPPED GALVANIZED. HOT DIP GALVANIZING SHALL CONFORM TO ASTM A123, REPAIR SCRATCHES OR ABRADED GALVANIZED SURFACE WITH ZINC RICH PAINT.
11. LINTELS SHALL BE INSTALLED OVER ALL OPENINGS IN MASONRY WALLS AS FOLLOWS U.O.N ON PLANS:

MASONRY OPENING	LINTEL
4' - 0" OR LESS	L4x3-1/2x5/16 LLV
4' - 1" TO 7' - 0"	L6x3-1/2x5/16 LLV

   A. 3-1/2" LEGS ARE HORIZONTAL.
   B. PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS.
   C. PROVIDE L5x5x5/16 ANGLES FOR 6" THICK WALLS AND PARTITIONS WITH OPENINGS UP TO 6' - 0".
   D. PROVIDE MINIMUM 6" BEARING AT EACH END.
   E. LINTELS OVER 6' - 4" SHALL BE FIREPROOFED.
12. SHOP AND ERECTION DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO FABRICATION OF STEEL SHALL COMMENCE WITHOUT APPROVED SHOP DRAWINGS.
13. PROVIDE HOT DIPPED GALVANIZED BOLTS FOR EXTERIOR APPLICATIONS.

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY. EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HI270 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/S502
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

STEEL DECK

1. STEEL DECKING WORK SHALL CONFORM TO THE AISI NORTH AMERICAN "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS."
2. STEEL DECKING UNITS AND ACCESSORY ITEMS SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO ASTM A1008 OR A653 WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI (33,000 PSI FOR STEEL ROOF DECKING UNITS). SEE DECK SCHEDULE FOR MORE INFORMATION. BEFORE FORMING, THE STEEL SHEET SHALL RECEIVE A HOT DIP GALVANIZED COATING CONFORMING TO ASTM A653, GRADE 90.
3. STEEL DECKING SHALL BE SHORED AS REQUIRED BY PLANS OR BY SPAN AND LOAD CONDITIONS TO SUPPORT WET WEIGHT OF CONCRETE AND ALL CONSTRUCTION LOADS.
4. THE SIDE LAPS OF ADJACENT UNITS SHALL BE FASTENED BY APPROVED METHOD (TO BE SHOWN ON SHOP DRAWINGS) BETWEEN SUPPORTS, AT INTERVALS TO PROVIDE SUFFICIENT DIAPHRAGM STRENGTH TO MAINTAIN BUILDING ALIGNMENT AND TO SUSTAIN LOCAL CONSTRUCTION LOADS WITHOUT DISTORTION OR SEPARATION, MAXIMUM SPACING SHALL BE 3'-0" BETWEEN SUPPORT BEAMS. END LAPS OF SHEETS SHALL BE A MINIMUM OF 2 INCHES.
5. EXCEPT AS OTHERWISE NOTED, DECK SHALL BE ATTACHED TO STRUCTURAL STEEL BY 3/4"Ø FUSION WELDS @ 12" ON CENTER AT END AND INTERIOR SUPPORTS PERPENDICULAR TO THE DECK SPAN AND AT EDGE AND INTERIOR SUPPORTS PARALLEL TO THE DECK SPAN. WELDS MAY BE OMITTED IN RIBS IN WHICH SHEAR CONNECTORS ARE TO BE APPLIED, AS LONG AS MAXIMUM SPACING BETWEEN ATTACHMENTS DOES NOT EXCEED 18" ON CENTER, AND SUCH THAT EACH DECK SECTION SHALL HAVE SUFFICIENT WELDS TO ADEQUATELY SECURE THE DECK, BRING THE DECK INTO DIRECT CONTACT WITH THE SUPPORTING STEEL AND TO PROVIDE SUFFICIENT DIAPHRAGM STRENGTH TO MAINTAIN BUILDING ALIGNMENT.
6. AS AN ALTERNATE TO PUDDLE WELDS FOR STEEL DECK ATTACHMENT TO STRUCTURAL STEEL, HILTI X-HSN-24 OR X-ENP-19 POWDER ACTUATED FASTENERS, OR AN APPROVED EQUAL, WITH EQUIVALENT OR GREATER CAPACITY TO THE SPECIFIED ATTACHMENT MAY BE USED. PRIOR TO INSTALLATION, SUBMIT ALTERNATE FASTENING PATTERN TO THE DIRECTOR'S REPRESENTATIVE FOR REVIEW AND APPROVAL. SUBMITTAL SHALL INCLUDE PROPOSED ALTERNATE PATTERN AND ANY CALCULATIONS OR SUPPORTING MANUFACTURER DATA NEEDED TO DEMONSTRATE THAT THE PATTERN MEETS OR EXCEEDS THE CAPACITY OF THE SPECIFIED ATTACHMENT.
7. POWDER ACTUATED FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR WILL BE CERTIFIED AND TRAINED BY THE MANUFACTURER'S REPRESENTATIVE ON PROPER USE PRIOR TO INSTALLATION.
8. PRIOR TO FABRICATION, SUBMIT SHOP DRAWINGS FOR THE STEEL DECKING SHOWING DECK GAUGE, SIZE, AND LAYOUT AS WELL AS CLOSURE CONDITIONS, WELDS TO SUPPORTS AND SIDE LAP DETAILS.
9. ALL REINFORCED OPENINGS IN STEEL DECK SHALL BE INSTALLED BY CONTRACTOR. CONTRACTOR TO PROVIDE REINFORCING AS PER TYPICAL DETAILS.
10. AT STEEL DECK WITHOUT CONCRETE FILL THE FOLLOWING MAY BE ATTACHED WITHOUT SPECIFIC APPROVAL: ACOUSTICAL TILE AND GYPSUM BOARD CEILING ONLY; NO PIPING, DUCTING OR CONDUIT. MAXIMUM CEILING WEIGHT = 3.5 PSF. MAXIMUM WIRE HANGER LOAD = 60 LBS.
11. WHERE SUSPENSION OF HANGER WIRES ARE REQUIRED BY OTHERS, VERIFY AND COORDINATE LOCATIONS, PATTERNS, SPACING, ETC. WITH THE APPROPRIATE TRADE. DRILL OR PUNCH HOLES AT BOTTOM OF DECK FLUTES OF SUFFICIENT SIZE TO PASS SUPPORT WIRES. WIRE SUPPORTS SHALL BE LOOPED AND SECURED WITH A MINIMUM OF THREE (3) TIGHT TURNS AROUND A MINIMUM 1-1/2" x 12" LONG FURRING CHANNEL OR NO. 3x12" LONG REINFORCING BAR CENTERED ABOVE THE HOLE AND LAID IN THE DECK FLUTES.

SPECIAL INSPECTIONS

1. SEE BDC 406.1
2. STRUCTURAL OBSERVATIONS REQUIRED BY THE LOCAL JURISDISCTION AND NEW YORK STATE BUILDING CODE 1704.5 SHALL BE PERFORMED BY A REGISTERED DESIGN PROFESSIONAL PROVIDED BY THE STATE. STRUCTURAL OBSERVATIONS SHALL BE THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPOVED CONSTRUCTION DOCUMENTS

DESIGN PARAMETER TABLE

GOVERNING CODE:		
		2020 NEW YORK STATE CODE
RISK CATEGORY:		II
SNOW LOAD:		
25 PSF	Pg	GROUND SNOW LOAD
0.9	Ce	SNOW EXPOSURE FACTOR
1.0	Is	SNOW LOAD IMPORTANCE FACTOR
1.0	Ct	THERMAL FACTOR
WIND LOAD:		
120 MPH		BASIC WIND SPEED
1.0	II	WIND IMPORTANCE FACTOR
B		WIND EXPOSURE CATEGORY
±0.18	GCPi	INTERNAL PRESSURE COEFFICIENT
38 PSF		C&C WIND PRESSURE - INTERIOR ZONE
45 PSF		C&C WIND PRESSURE - END ZONES
62 PSF		C&C WIND PRESSURE - INTERIOR ZONE
SEISMIC DESIGN:		
D		SITE CLASS
C		SEISMIC DESIGN CATEGORY
II		SEISMIC USE OR BUILDING CATEGORY
1.0	I	SESIMIC IMPORTANCE FACTOR
6	Rp	COMPONENT RESPONSE MODIFICATION FACTOR FOR DISTRIBUTED SYSTEMS
1.5	Rp	COMPONENT RESPONSE MODIFICATION FACTOR FOR EQUIPMENT
2.5	ap	COMPONENT AMPLIFICATION FACTOR
0.20	Sds	DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS (0.2 SECONDS)
0.071	Sd1	DESIGN SPECTRAL RESPONSE ACCELERATION AT 1.0-SECOND PERIOD

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #:

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

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

WARNING:

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STATE OF NEW YORK | SCOTT E. HUGHES | No. 095531 | LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

1	06-05-2024	ADDENDUM 05
	02-29-2024	BID SET
MARK	DATE	DESCRIPTION

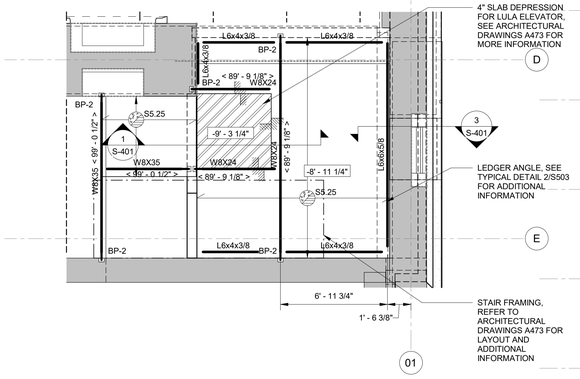
PROJECT NUMBER: 47166-C
DESIGNED BY: Designer
DRAWN BY: Author
FIELD CHECK: Checker
APPROVED: Approver

SHEET TITLE: GENERAL STRUCTURAL NOTES, LEGEND, ABBREVIATIONS

DRAWING NUMBER: S-001

SHEET: OF

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4" SLAB DEPRESSION FOR LULA ELEVATOR. SEE ARCHITECTURAL DRAWINGS A473 FOR MORE INFORMATION

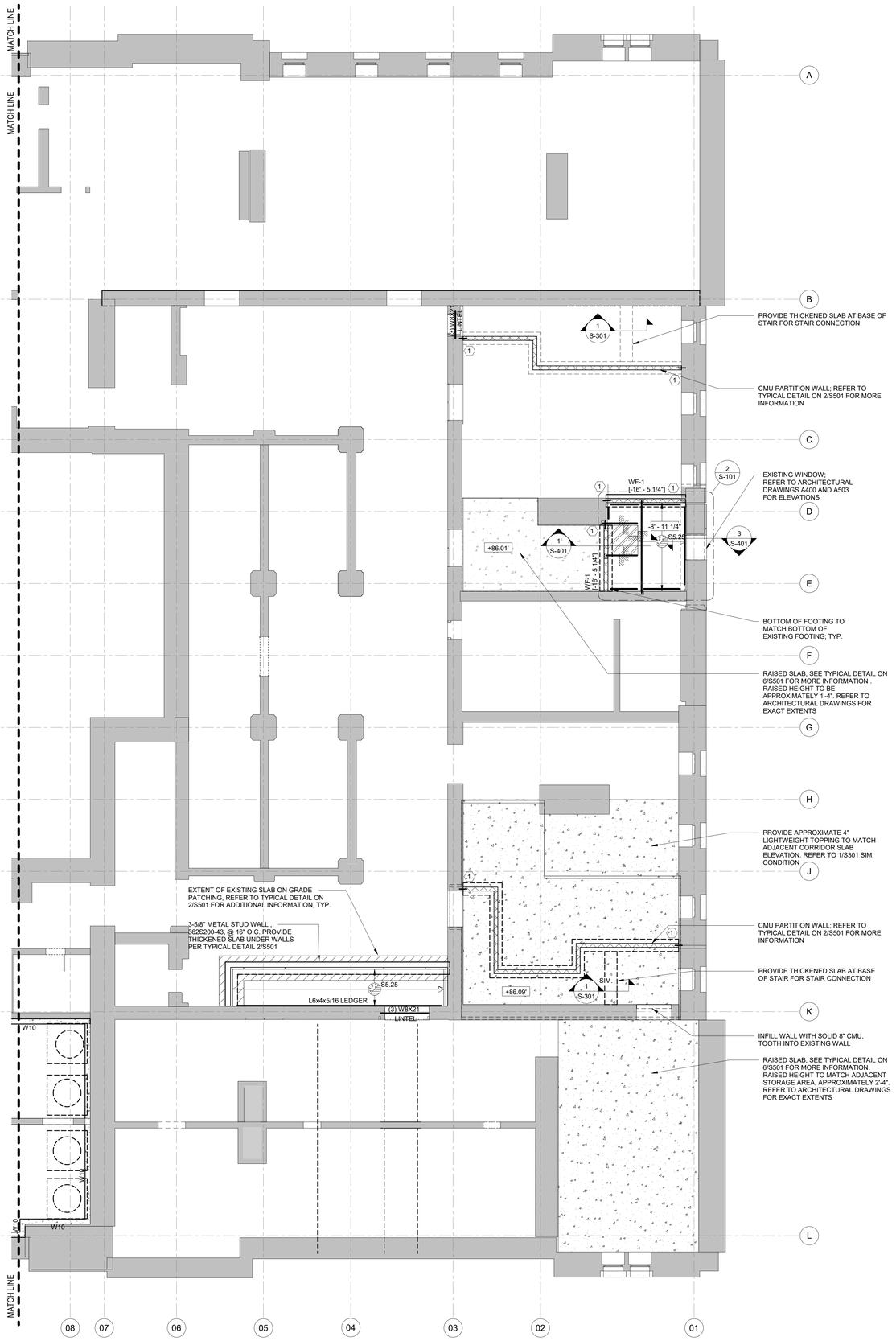
LEDGER ANGLE, SEE TYPICAL DETAIL 2/S503 FOR ADDITIONAL INFORMATION

STAIR FRAMING, REFER TO ARCHITECTURAL DRAWINGS A473 FOR LAYOUT AND ADDITIONAL INFORMATION

2 S-101 FIRST FLOOR FRAMING PLAN - SECTOR 1 - PART PLAN
1/4" = 1'-0"

NOTES:

1. REFER TO A021 SERIES DRAWINGS FOR CMU WALL TYPE, SIZE, AND PARTITION TYPE.
2. CONTRACTOR IS RESPONSIBLE TO COORDINATE FRAMING WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
3. SEE S001 FOR GENERAL NOTES.
4. SEE S500 DRAWING SERIES FOR TYPICAL DETAILS.
5. SEE S600 FOR SCHEDULES.



1 S-101 FOUNDATION AND BASEMENT PLAN - SECTOR 1
1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HZ70 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/S502
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS



KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

UNIFORM CODE WRITTEN STATEMENT:
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EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
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	02-29-2024	BID SET

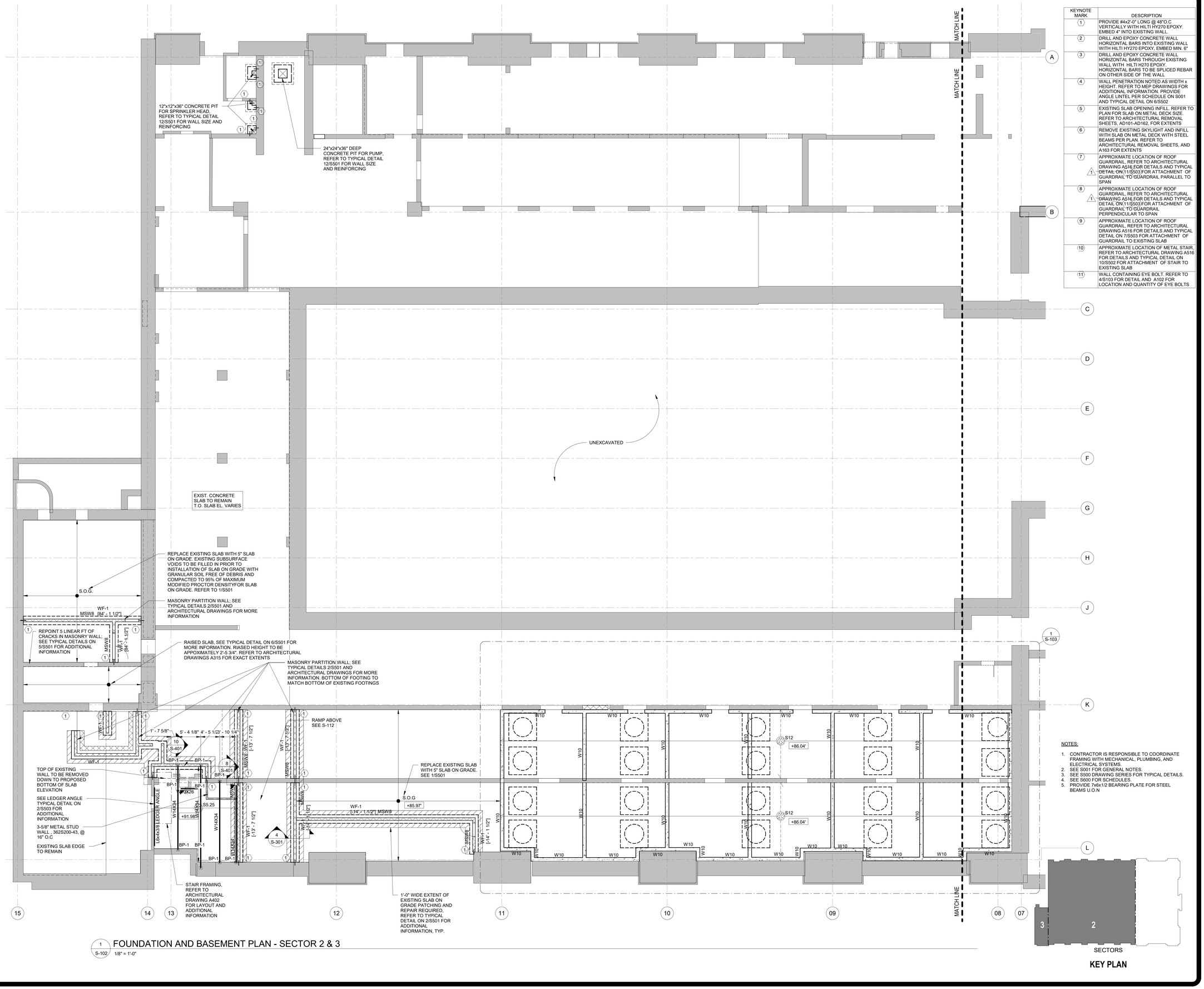
PROJECT NUMBER: 47166-C
DESIGNED BY: Designer
DRAWN BY: Author
FIELD CHECK: Checker
APPROVED: Approver

SHEET TITLE: FOUNDATION AND BASEMENT PLAN - SECTOR 1

DRAWING NUMBER: S-101

SHEET: OF

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42x30 PLOT SHEET



1 S-102 FOUNDATION AND BASEMENT PLAN - SECTOR 2 & 3

1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI H270 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/S502
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD182, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

NOTES:

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

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

UNIFORM CODE WRITTEN STATEMENT:
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STATE OF NEW YORK · SCOTT E. HUGHES · 089531 · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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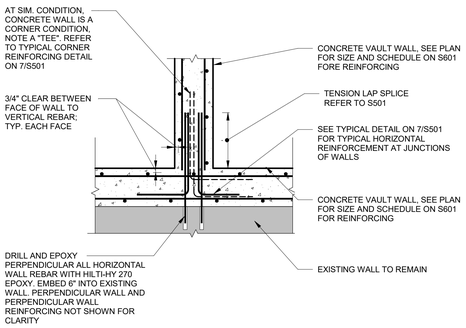
PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
FOUNDATION AND BASEMENT PLAN - SECTOR 2 & 3

DRAWING NUMBER:
S-102

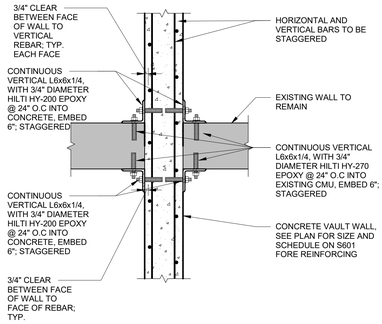
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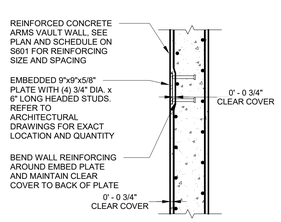
2 S-103 TYPICAL WALL END PLAN DETAIL AT EXISTING WALL DOWEL CONNECTION

3/4" = 1'-0"



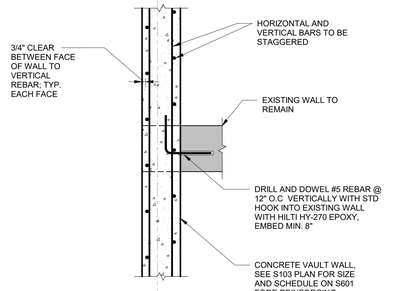
3 S-103 TYPICAL WALL PLAN DETAIL AT EXISTING WALL INTERSECTION DOWEL CONNECTION

3/4" = 1'-0"



4 S-103 TYPICAL VAULT ARMS EYE BOLT DETAIL

3/4" = 1'-0"

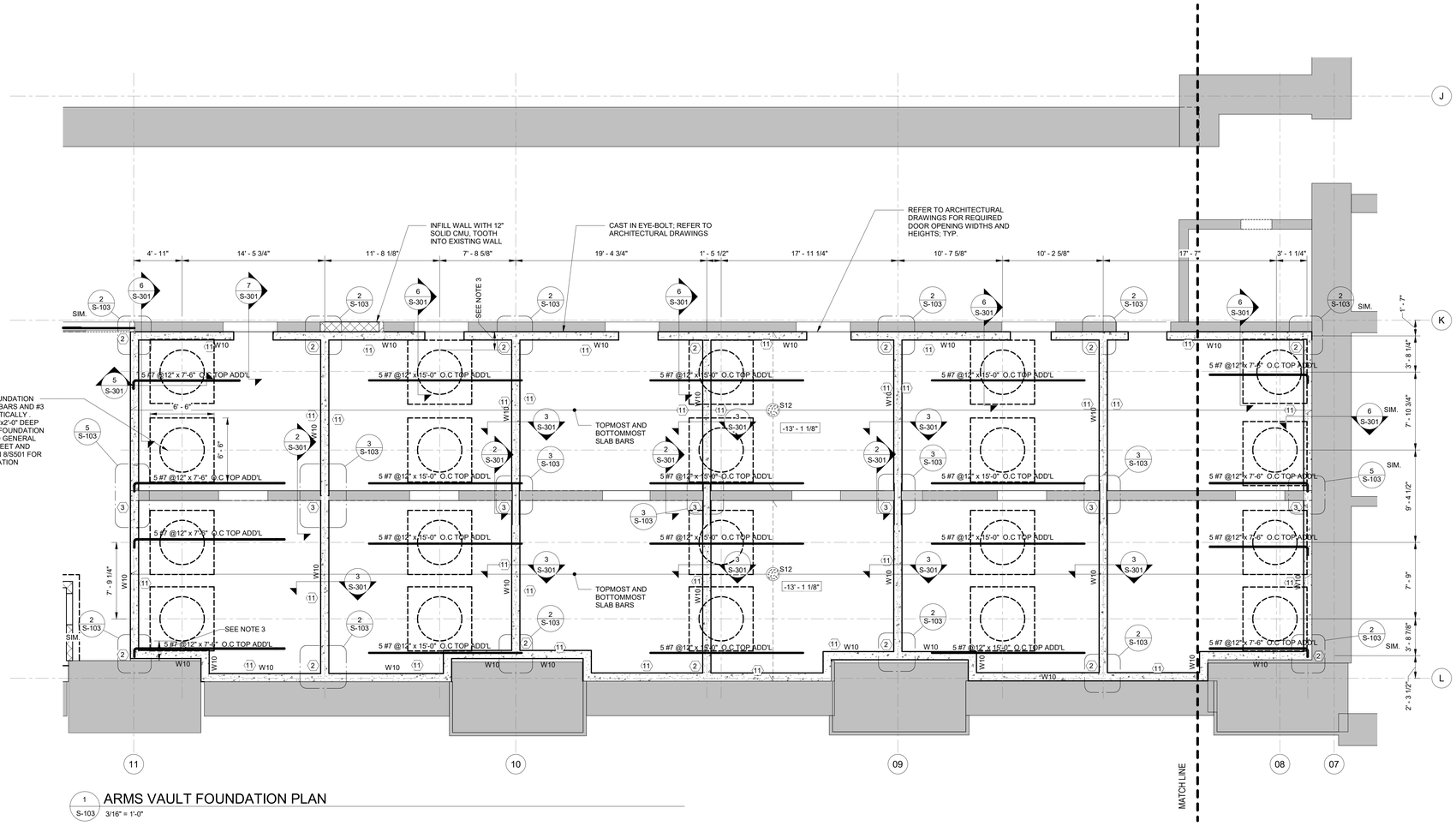


11

5 S-103 TYPICAL WALL PLAN DETAIL AT EXISTING WALL END

3/4" = 1'-0"

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



1 S-103 ARMS VAULT FOUNDATION PLAN

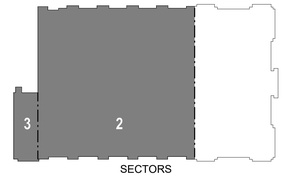
3/16" = 1'-0"

GENERAL FOUNDATION PEDESTAL NOTES

1. ALL PIERS ARE TO GO DOWN TO SUITABLE BEARING STRATUM AS NOTED IN GEOTECHNICAL REPORT. DEPTH OF SUITABLE BEARING STRATUM TO BE 12-15FT BELOW TOP OF EXISTING SLAB. FOR BID PURPOSES ASSUME 15 FT.
2. EXCAVATION FOR PIERS TO BE DONE IN 18" SEGMENTS WITH LINER PLATE INSTALLATION AFTER EXCAVATION. PROCEED WITH NEXT 18" EXCAVATION ONLY AFTER LINER PLATE HAS BEEN INSTALLED AND ADJACENT SOIL HAS BEEN STABILIZED. REFER TO NOTE 5 IF SOIL IS LOOSE. REFER TO GEOTECHNICAL REPORT AND SPECIFICATION FOR OUTLINE OF PROCEDURE.
3. EDGE OF PIER TO BE LOCATED 24" FROM FACE OF EXISTING WALLS.
4. MINIMUM LINER PLATE SPECIFICATION TO BE 10 GAGE WITH Fy = 42KSI. REFER TO GEOTECHNICAL REPORT AND SPECIFICATION 317513 FOR ALL LINER PLATE SPECIFICATIONS AND REQUIREMENTS.
5. PROVIDE GROUT AROUND LINER PLATE WHERE LOOSE SOIL/FILL IS ENCOUNTERED.
6. PER GEOTECH REPORT GROUND WATER WAS ENCOUNTERED AT BELOW TOP OF EXISTING BASEMENT SLAB. DEWATERING WILL BE NEEDED IF WATER IS ENCOUNTERED AT A DEPTH OF BELOW EXISTING TOP OF SLAB. REFER TO DEWATERING SPECIFICATION FOR REQUIREMENTS.
7. EXCAVATION FOR THE ARMS VAULT SLAB MUST NOT GO BELOW BOTTOM OF EXISTING FOOTING. REMEDIAL ACTION WILL BE REQUIRED IF IT IS FOUND THAT THE PROPOSED SLAB ELEVATION IS BELOW BOTTOM OF EXISTING FOOTING AND THE DIRECTOR'S REPRESENTATIVE MUST BE NOTIFIED.
8. FOUNDATION PIERS MAY BE DONE SIMULTANEOUSLY OR INDIVIDUALLY AT THE CONTRACTORS DISCRETION.

NOTES:

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



KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

UNIFORM CODE WRITTEN STATEMENT:
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STATE OF NEW YORK · SCOTT E. HURD · 085531 · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-05-2024	ADDENDUM 05
	02-29-2024	BID SET

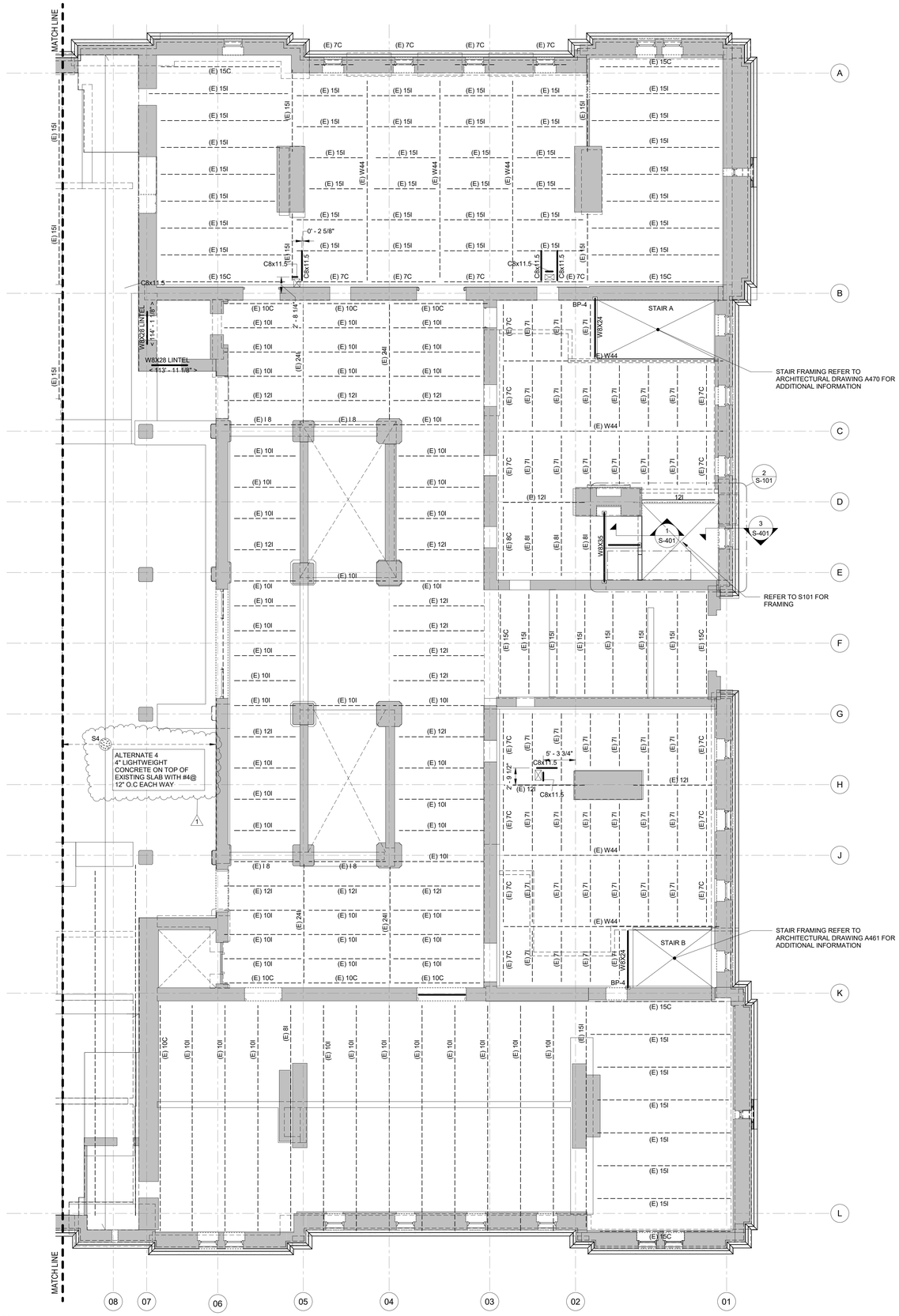
PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
FOUNDATION AND BASEMENT PART PLAN

DRAWING NUMBER:
S-103

SHEET: OF

Autodesk Docs://2209_LEX.ARMORY/30195-S24-CENTRAL.rvt
6/5/2024 7:49:28 PM
42x30 PLOT SHEET



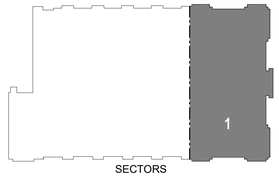
1 S-111 FIRST FLOOR FRAMING PLAN - SECTOR 1

1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HZ70 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/S502
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

NOTES:

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



KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION
CERTIFICATE OF AUTHORIZATION #: 0018544
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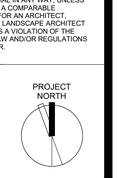
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EXPIRATION DATE: 11/30/2025



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TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
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	02-29-2024	BID SET

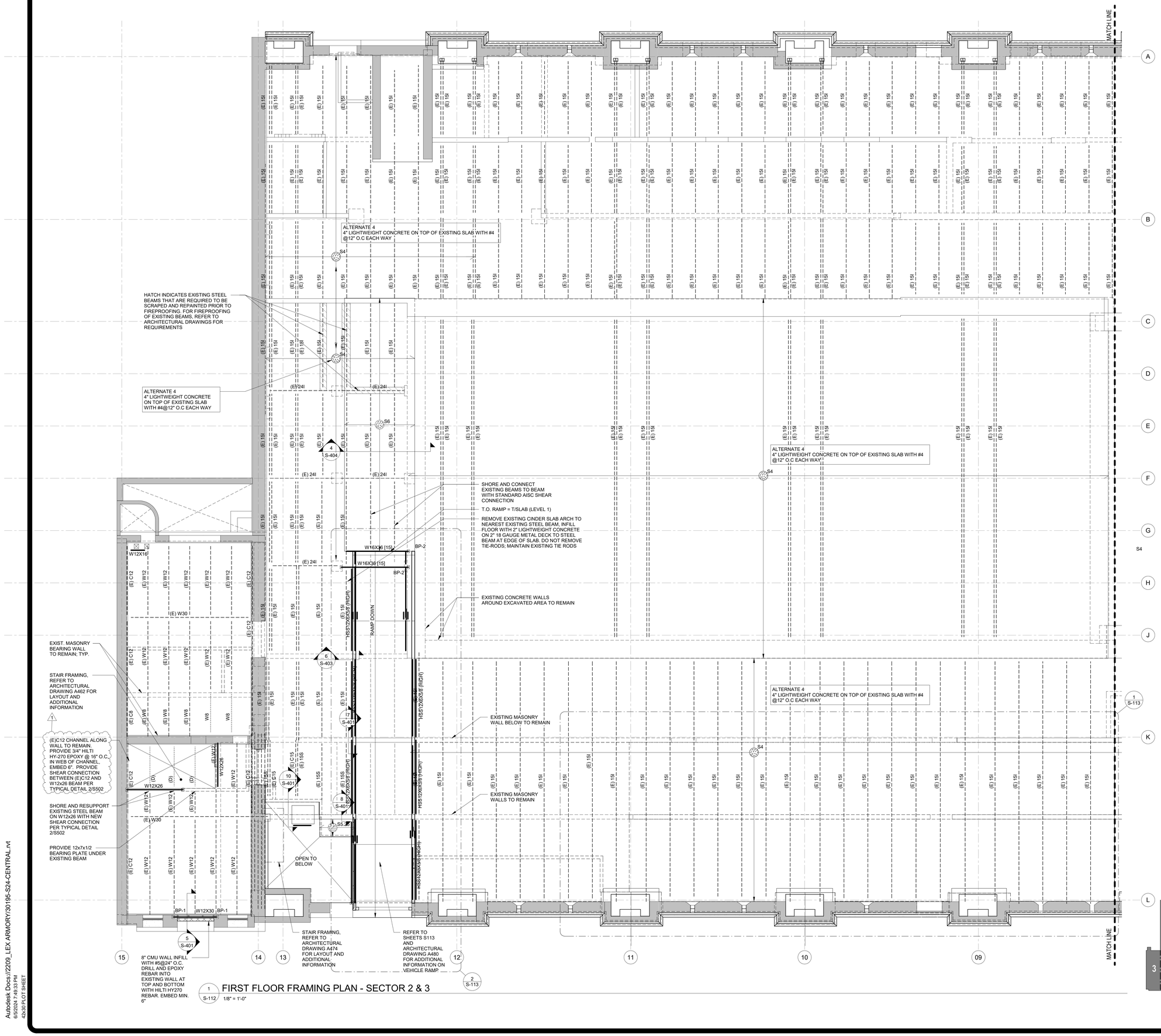
PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: FIRST FLOOR FRAMING PLAN - SECTOR 1

DRAWING NUMBER: S-111

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/30195-S24-CENTRAL.rvt
6/5/2024 7:48:39 PM
42x30 PLOT SHEET



1 S-112 FIRST FLOOR FRAMING PLAN - SECTOR 2 & 3
1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HY270 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/SS02
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING AS16 FOR DETAILS AND TYPICAL DETAIL ON 1/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING AS16 FOR DETAILS AND TYPICAL DETAIL ON 1/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR, REFER TO ARCHITECTURAL DRAWING AS16 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

NOTES:

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2. SEE S001 FOR GENERAL NOTES.
3. SEE S500 DRAWING SERIES FOR TYPICAL DETAILS.
4. SEE S600 FOR SCHEDULES.
5. PROVIDE 7x6x1/2 BEARING PLATE FOR STEEL BEAMS U.O.N

KEY PLAN
SECTORS
3
2

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

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STATE OF NEW YORK · SCOTT E. HUGHES · 085533 · PROFESSIONAL ENGINEER

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PROJECT NORTH

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TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
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CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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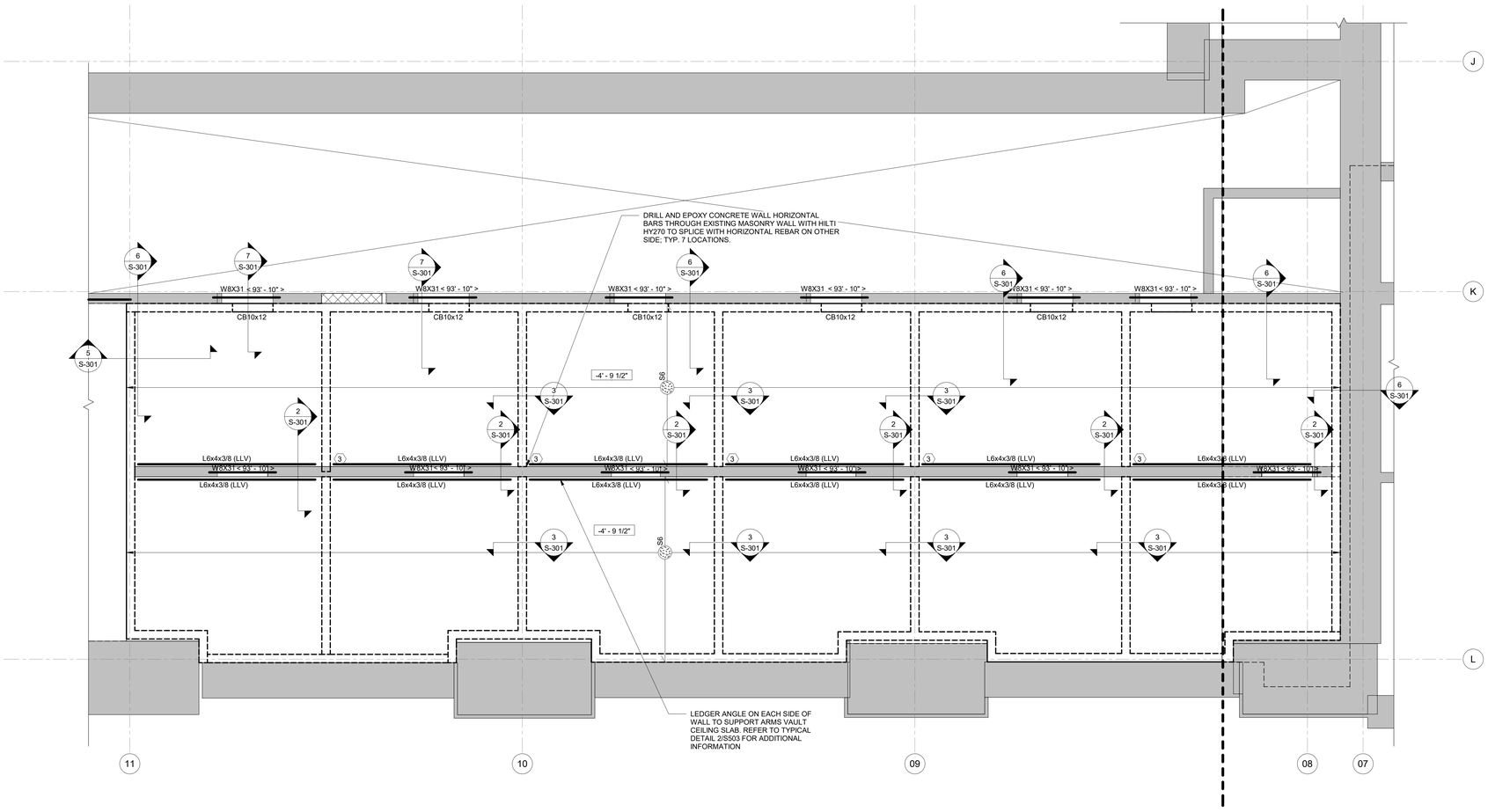
PROJECT NUMBER: 47166-C
DESIGNED BY: Designer
DRAWN BY: Author
FIELD CHECK: Checker
APPROVED: Approver

SHEET TITLE: FIRST FLOOR FRAMING PLAN - SECTOR 2 & 3

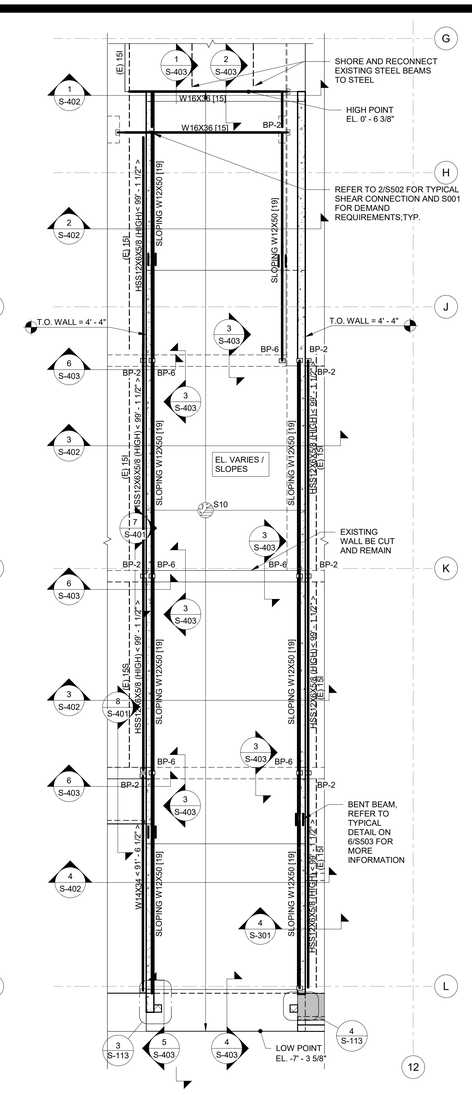
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SHEET: OF

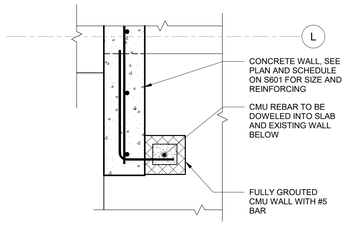
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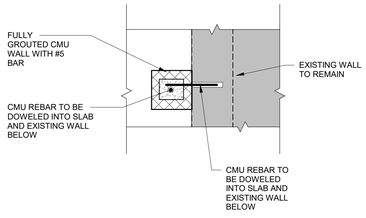
1 S-113 ARMS VAULT CEILING PART FRAMING PLAN
3/16" = 1'-0"



2 S-113 PART PLAN - RAMP
3/16" = 1'-0"



3 S-113 PLAN DETAIL
1" = 1'-0"

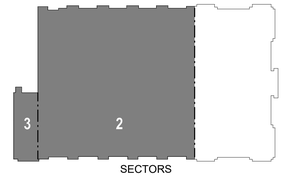


4 S-113 PLAN DETAIL
1" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
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2. SEE S001 FOR GENERAL NOTES.
3. SEE S500 DRAWING SERIES FOR TYPICAL DETAILS.
4. SEE S600 FOR SCHEDULES.
5. PROVIDE 7x6x1/2 BEARING PLATE FOR STEEL BEAMS U.O.N



KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

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SCOTT E. HUGHES No. 089537 LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
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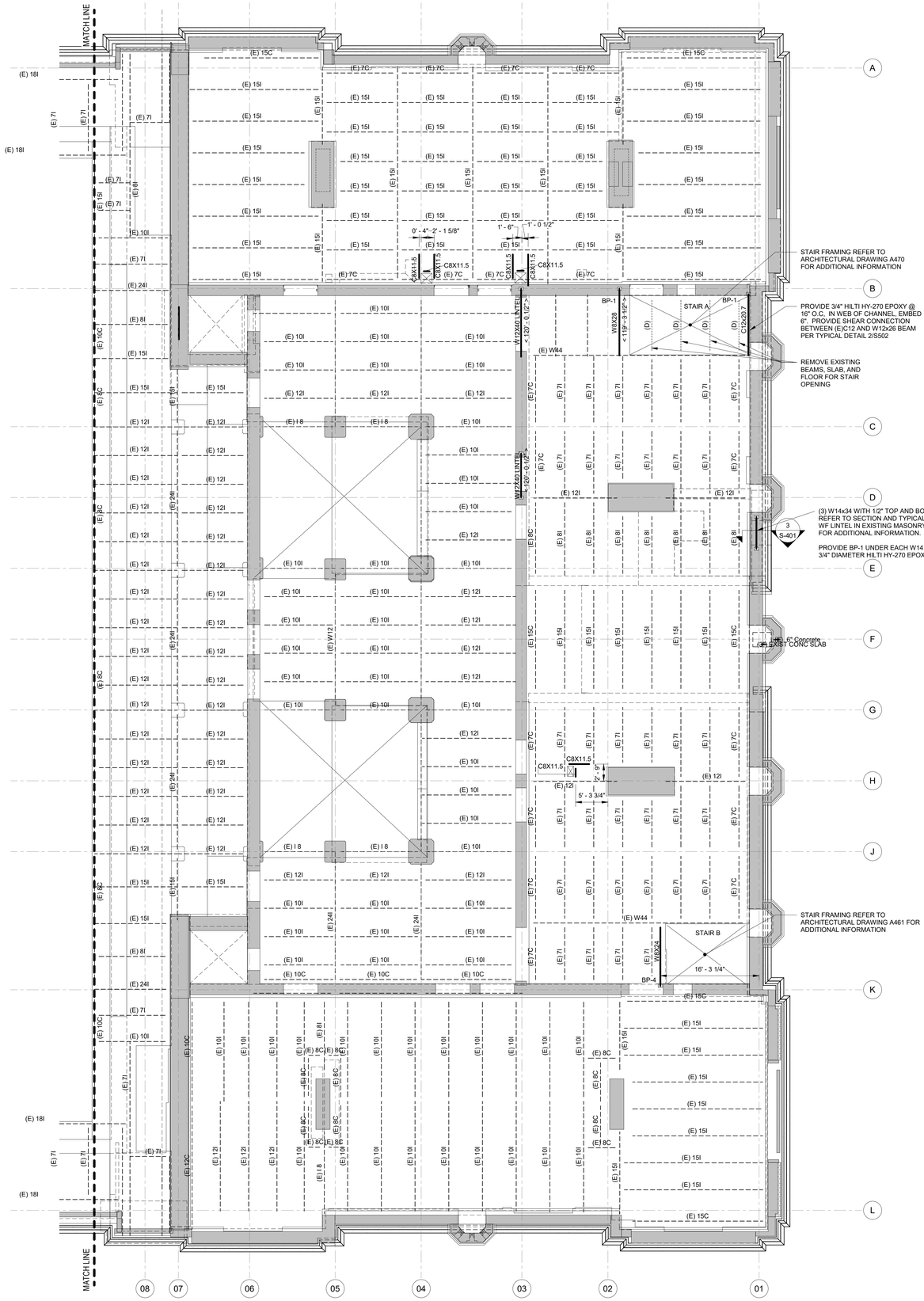
PROJECT NUMBER: 47166-C
DESIGNED BY: Designer
DRAWN BY: Author
FIELD CHECK: Checker
APPROVED: Approver

SHEET TITLE: PART FRAMING PLANS

DRAWING NUMBER: S-113

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/30195-S24-CENTRAL.rvt
6/5/2024 7:48:33 PM
42x30 PLOT SHEET



1 S-121 SECOND FLOOR FRAMING PLAN - SECTOR 1

1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HZ70 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/S502
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

NOTES:

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



KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

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

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STATE OF NEW YORK · SCOTT E. HUGHES · No. 085533 · PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-05-2024	ADDENDUM 05
	02-29-2024	BID SET

PROJECT NUMBER: 47166-C

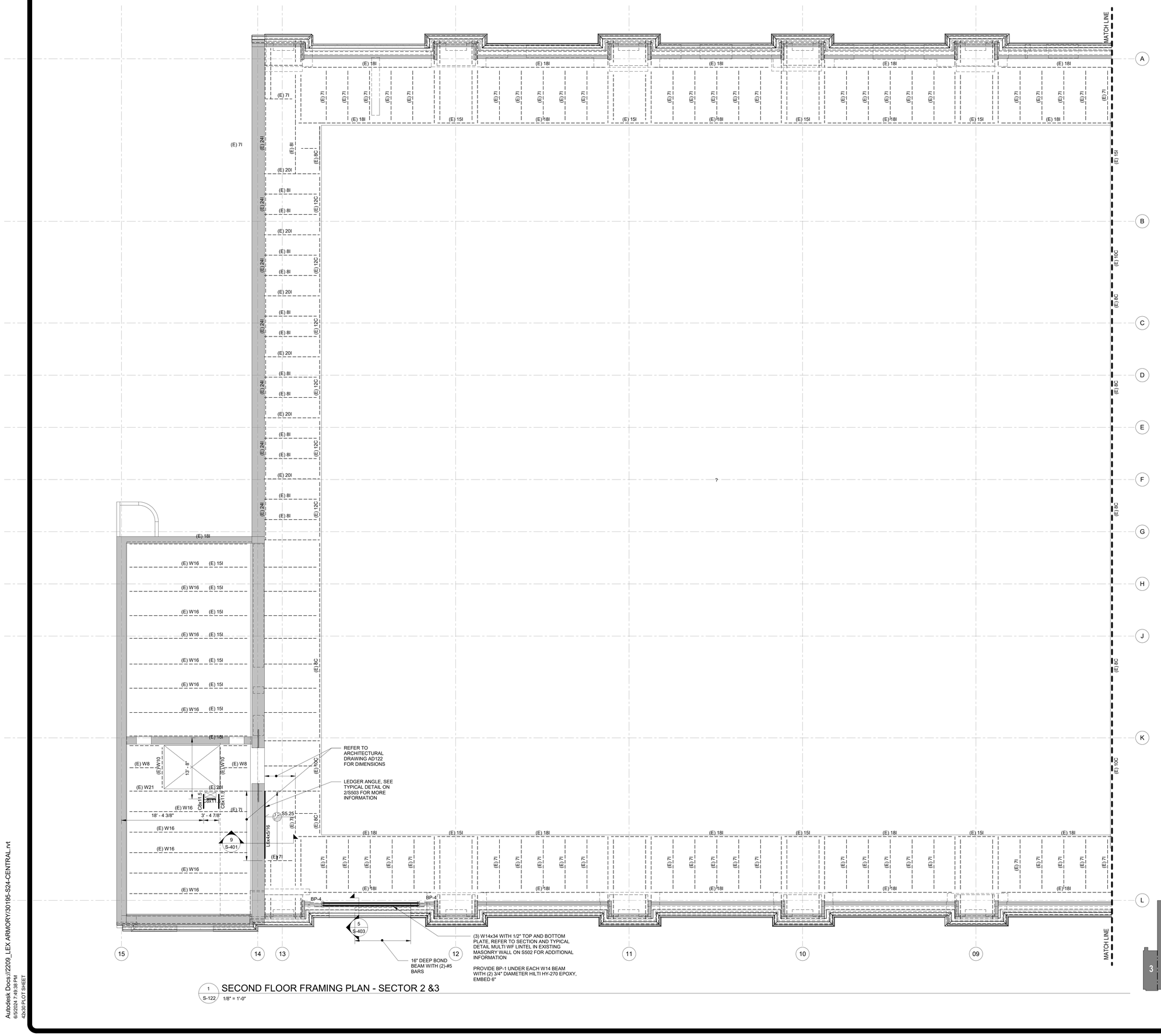
DESIGNED BY: Designer
DRAWN BY: Author
FIELD CHECK: Checker
APPROVED: Approver

SHEET TITLE: SECOND FLOOR FRAMING PLAN - SECTOR 1

DRAWING NUMBER: S-121

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/30195-S24-CENTRAL.rvt
6/3/2024 7:48:36 PM
42x30 PLOT SHEET

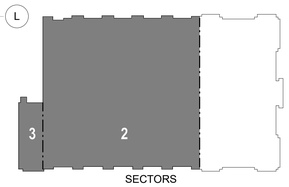


1 S-122 SECOND FLOOR FRAMING PLAN - SECTOR 2 &3
1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HY270 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/SS02
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 1/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN 1
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 1/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN 1
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR, REFER TO ARCHITECTURAL DRAWING AS16 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

NOTES:

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



SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

UNIFORM CODE WRITTEN STATEMENT:
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SCOTT E. HUGHES — No. 089553 — LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-05-2024	ADDENDUM 05
	02-29-2024	BID SET

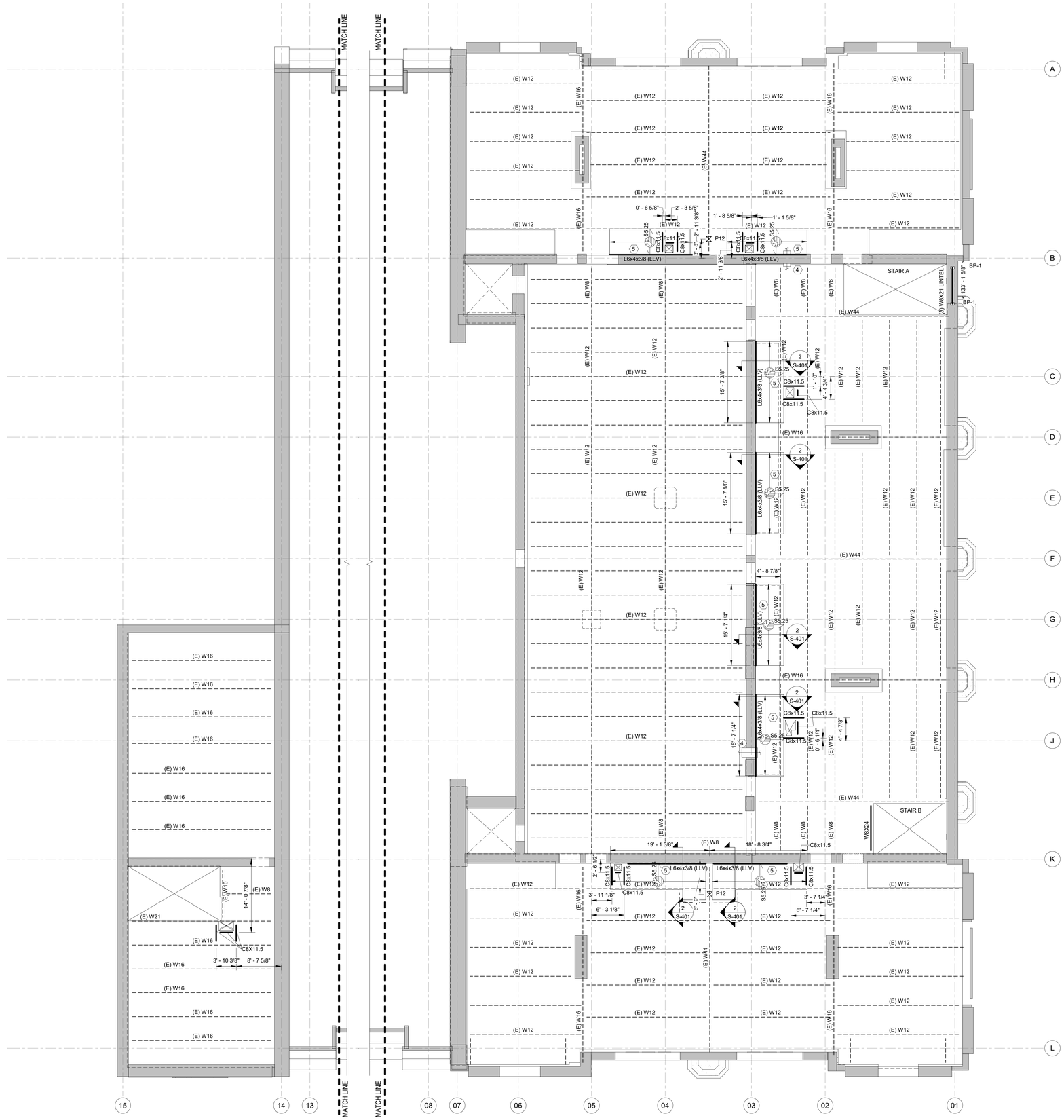
PROJECT NUMBER: 47166-C
DESIGNED BY: Designer
DRAWN BY: Author
FIELD CHECK: Checker
APPROVED: Approver

SHEET TITLE: SECOND FLOOR FRAMING PLAN - SECTOR 2 & 3

DRAWING NUMBER: S-122

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/30195-S24-CENTRAL.rvt
6/5/2024 7:49:38 PM
42x30 PLOT SHEET



1 S-131 THIRD FLOOR FRAMING PLAN

1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HZ70 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/S502
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

NOTES:

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

SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

UNIFORM CODE WRITTEN STATEMENT:
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STATE OF NEW YORK · SCOTT E. HUGHES · 090533 · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-05-2024	ADDENDUM 05
	02-29-2024	BID SET

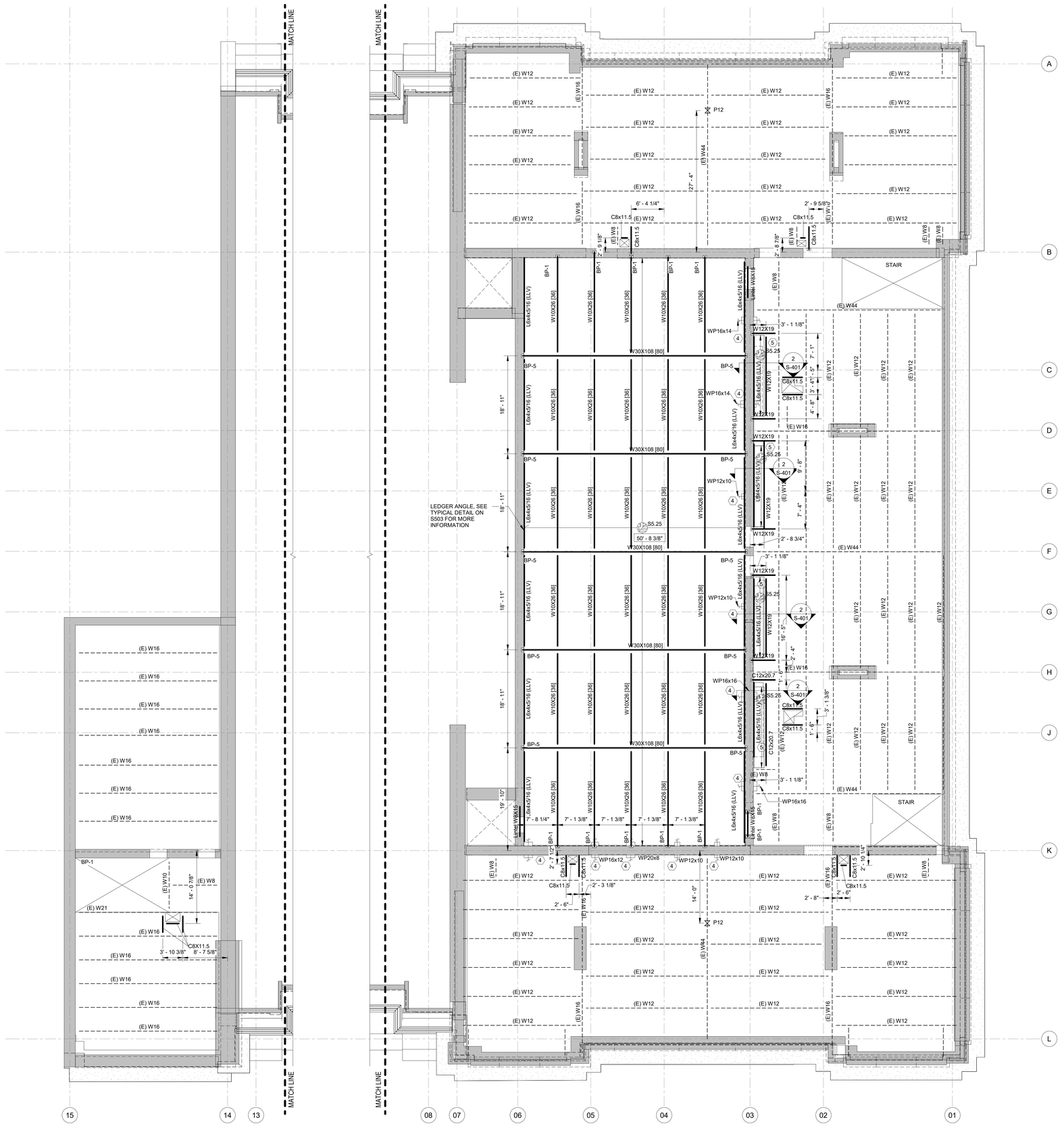
PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: THIRD FLOOR FRAMING PLAN

DRAWING NUMBER: S-131

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/30195-S24-CENTRAL.rvt
6/5/2024 7:49:40 PM
42x30 PLOT SHEET



1 S-141 FOURTH FLOOR FRAMING PLAN

1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HZ70 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/S502
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7 / 1	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8 / 1	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

NOTES:

1. CONTRACTOR IS RESPONSIBLE TO COORDINATE FRAMING WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
2. SEE S001 FOR GENERAL NOTES.
3. SEE S500 DRAWING SERIES FOR TYPICAL DETAILS.
4. SEE S600 FOR SCHEDULES.
5. STEEL BEAMS TO BE EQUALLY SPACED UNLESS OTHERWISE NOTED
6. CONTRACTOR TO UTILIZE STEEL BEAM FRAMING ABOVE FOR RIGGING AND INSTALLATION AS NEEDED. DO NOT HANG FROM DRAPED MESH CONCRETE SLABS. CONTRACTOR TO PROVIDE DESIGN IF CONNECTING TO AND UTILIZING EXISTING STEEL BEAM FRAMING
7. REFER TO 1/S502 FOR BEAM SPLICE DETAILS
8. PROVIDE 7x7x1/2 BEARING PLATE FOR STEEL BEAMS U.O.N

SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

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SCOTT L. HIGHTOWER No. 085533 LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-05-2024	ADDENDUM 05
	02-29-2024	BID SET

PROJECT NUMBER: 47166-C

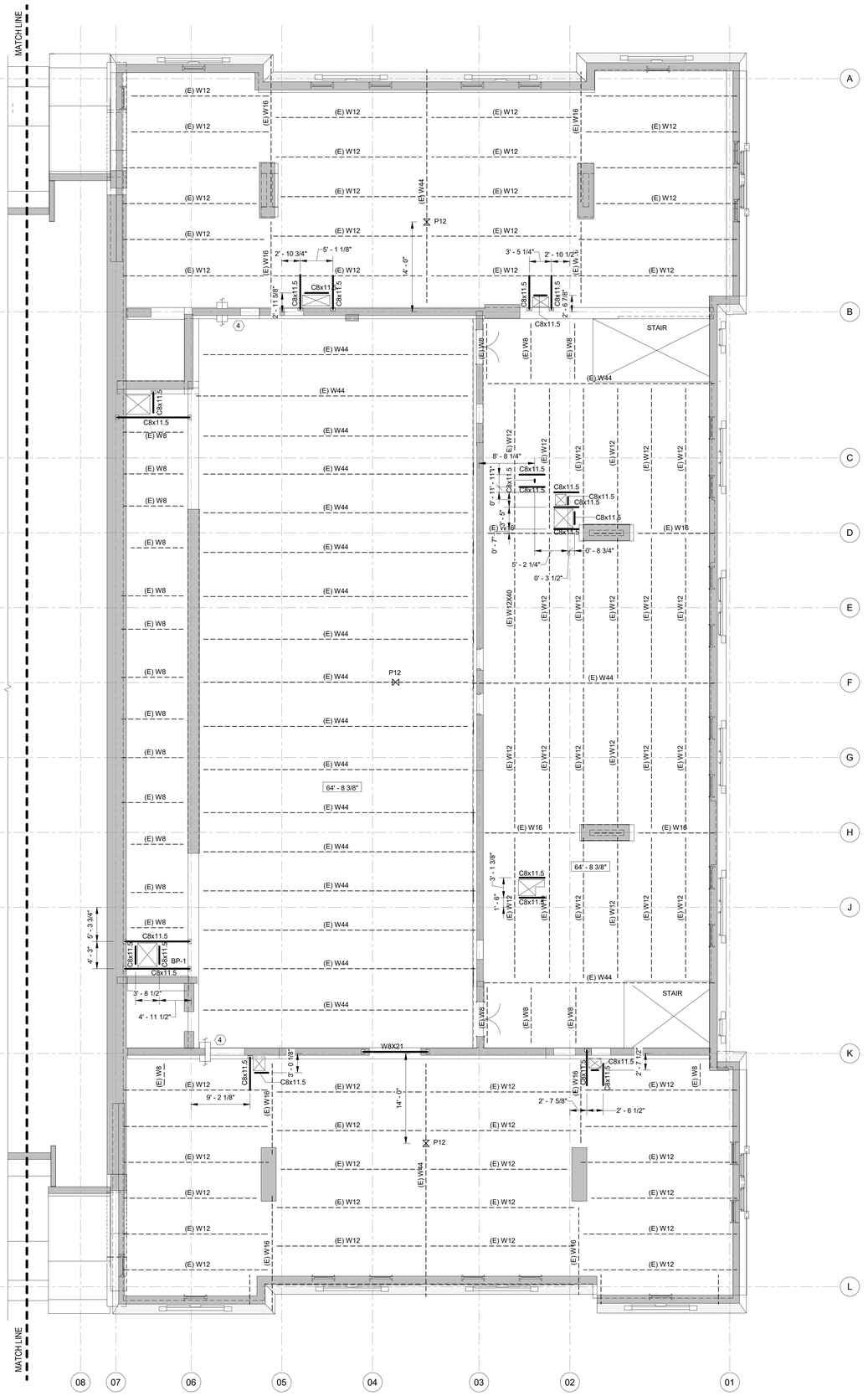
DESIGNED BY: Designer
DRAWN BY: Author
FIELD CHECK: Checker
APPROVED: Approver

SHEET TITLE: FOURTH FLOOR FRAMING PLAN

DRAWING NUMBER: S-141

SHEET: OF

Autodesk Docs://2209_LEX.ARMORY/30195-S24-CENTRAL.rvt
8/5/2024 1:49:42 PM
42x30 PLOT SHEET



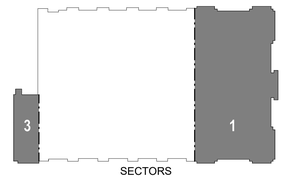
1 S-151 FIFTH FLOOR FRAMING PLAN

1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HZ70 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/S502
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
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7	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
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9	APPROXIMATE LOCATION OF ROOF GUARDRAIL, REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
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NOTES:

1. CONTRACTOR IS RESPONSIBLE TO COORDINATE FRAMING WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
2. SEE S001 FOR GENERAL NOTES.
3. SEE S000 DRAWING SERIES FOR TYPICAL DETAILS.
4. SEE S600 FOR SCHEDULES.
5. PROVIDE 7x8x1/2 BEARING PLATE FOR STEEL BEAMS U.O.N



SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

Silman
A TYLin Company

UNIFORM CODE WRITTEN STATEMENT:
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STATE OF NEW YORK SCOTT E. HUNTER No. 085531 LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-05-2024	ADDENDUM 05
	02-29-2024	BID SET

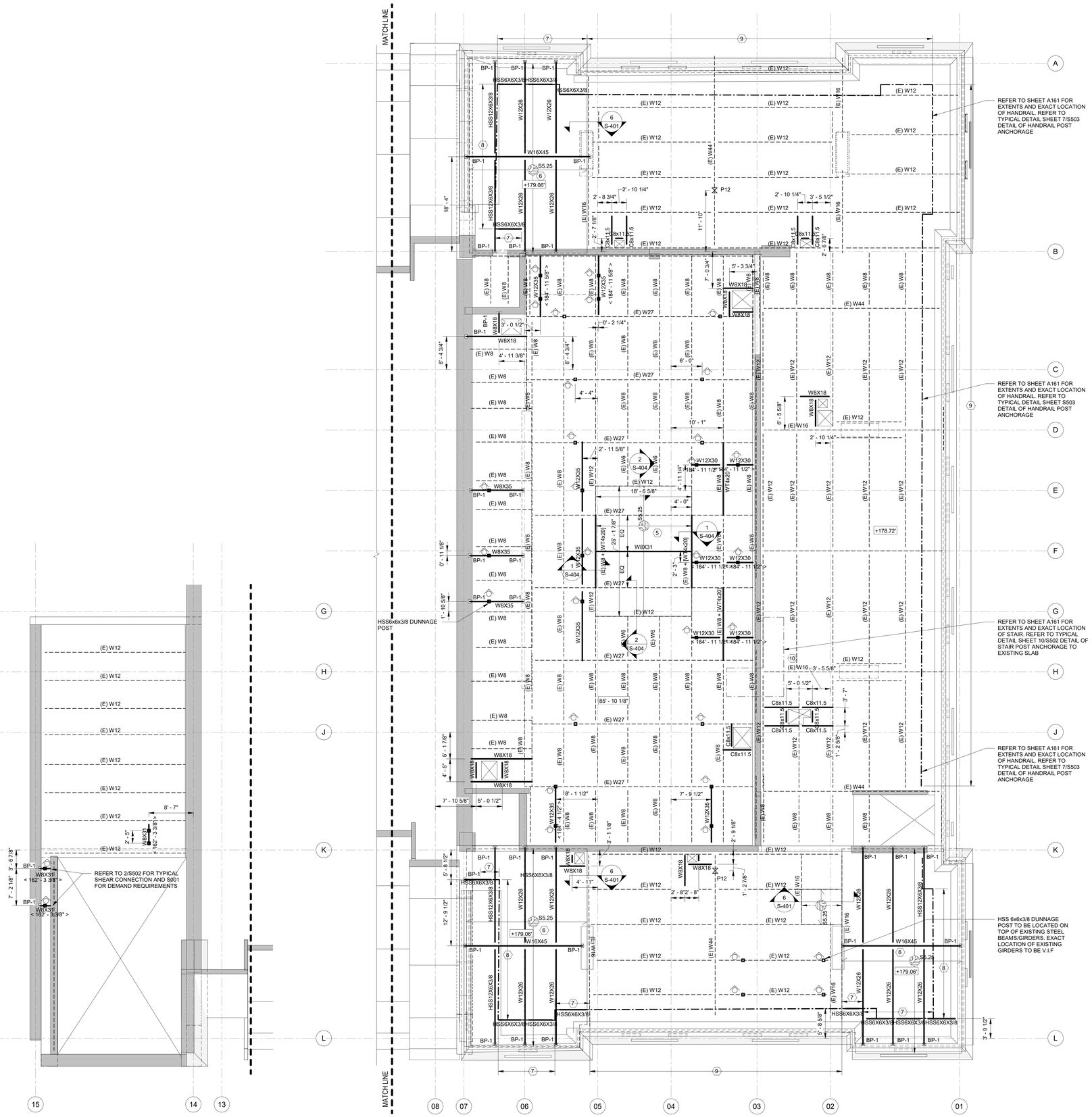
PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: FIFTH FLOOR FRAMING PLAN

DRAWING NUMBER: S-151

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/30195-S24-CENTRAL.rvt
6/5/2024 7:49:43 PM
42x30 PLOT SHEET



1 S-161 ROOF FRAMING PLAN
1/8" = 1'-0"

KEYNOTE MARK	DESCRIPTION
1	PROVIDE #4x2'-0" LONG @ 48"O.C VERTICALLY WITH HILTI HY270 EPOXY. EMBED 4" INTO EXISTING WALL.
2	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS INTO EXISTING WALL WITH HILTI HY270 EPOXY, EMBED MIN. 6"
3	DRILL AND EPOXY CONCRETE WALL HORIZONTAL BARS THROUGH EXISTING WALL WITH HILTI HZ70 EPOXY. HORIZONTAL BARS TO BE SPLICED REBAR ON OTHER SIDE OF THE WALL
4	WALL PENETRATION NOTED AS WIDTH x HEIGHT. REFER TO MEP DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ANGLE LINTEL PER SCHEDULE ON S001 AND TYPICAL DETAIL ON 6/SS02
5	EXISTING SLAB OPENING INFILL. REFER TO PLAN FOR SLAB ON METAL DECK SIZE. REFER TO ARCHITECTURAL REMOVAL SHEETS, AD101-AD162, FOR EXTENTS
6	REMOVE EXISTING SKYLIGHT AND INFILL WITH SLAB ON METAL DECK WITH STEEL BEAMS PER PLAN. REFER TO ARCHITECTURAL REMOVAL SHEETS, AND A163 FOR EXTENTS
7	APPROXIMATE LOCATION OF ROOF GUARDRAIL. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PARALLEL TO SPAN
8	APPROXIMATE LOCATION OF ROOF GUARDRAIL. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 11/S503 FOR ATTACHMENT OF GUARDRAIL TO GUARDRAIL PERPENDICULAR TO SPAN
9	APPROXIMATE LOCATION OF ROOF GUARDRAIL. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 7/S503 FOR ATTACHMENT OF GUARDRAIL TO EXISTING SLAB
10	APPROXIMATE LOCATION OF METAL STAIR. REFER TO ARCHITECTURAL DRAWING A516 FOR DETAILS AND TYPICAL DETAIL ON 10/S502 FOR ATTACHMENT OF STAIR TO EXISTING SLAB
11	WALL CONTAINING EYE BOLT. REFER TO 4/S103 FOR DETAIL AND A102 FOR LOCATION AND QUANTITY OF EYE BOLTS

NOTES:

1. CONTRACTOR IS RESPONSIBLE TO COORDINATE FRAMING WITH MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS.
2. SEE S001 FOR GENERAL NOTES.
3. SEE S500 DRAWING SERIES FOR TYPICAL DETAILS.
4. SEE S600 FOR SCHEDULES.
5. STEEL BEAMS TO BE EQUALLY SPACED UNLESS OTHERWISE NOTED

SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

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UNIFORM CODE WRITTEN STATEMENT:
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STATE OF NEW YORK SCOTT E. HUNTER No. 085531 LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
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	02-29-2024	BID SET

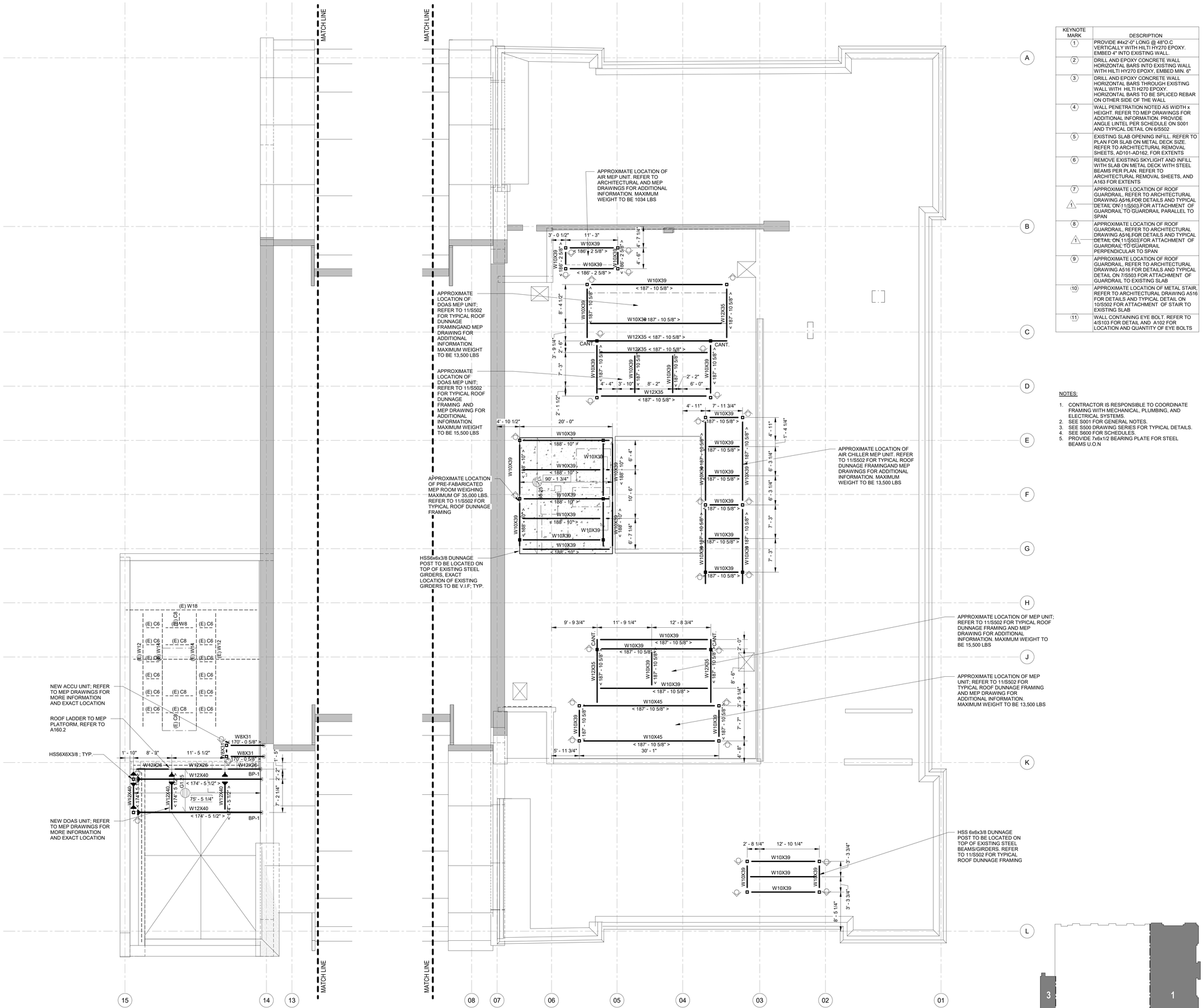
PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: ROOF FRAMING PLAN

DRAWING NUMBER: S-161

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/30195-S24-CENTRAL.rvt
6/5/2024 7:48:45 PM
42x30 PLOT SHEET



1 DUNNAGE FRAMING PLAN
S-171 1/8" = 1'-0"

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

NOTES:

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

SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018544

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A TYLin Company

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SCOTT E. HUGHES — LICENSED PROFESSIONAL ENGINEER — NO. 085530 — STATE OF NEW YORK

EXPIRATION DATE: 11/30/2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
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	02-29-2024	BID SET

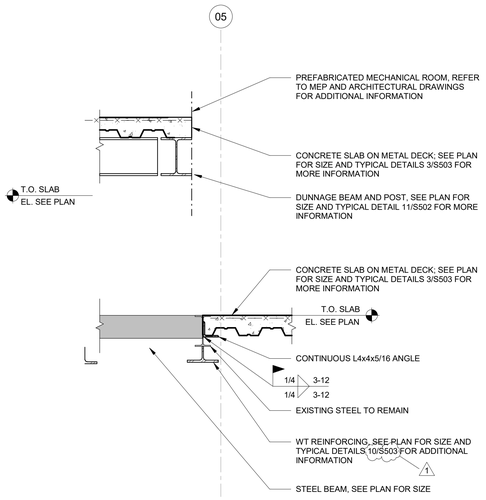
PROJECT NUMBER:	47166-C
DESIGNED BY:	Designer
DRAWN BY:	Author
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: DUNNAGE FRAMING PLAN

DRAWING NUMBER: S-171

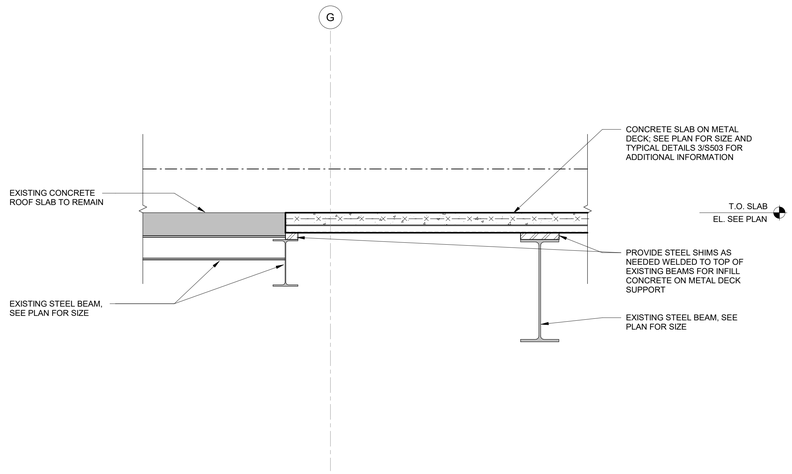
SHEET: OF

Autodesk Docs://2209_LEX ARMORY/30195-S24-CENTRAL.rvt
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42x30 PLOT SHEET



1 S-404 SECTION AT ROOF SKYLIGHT INFILL

3/4" = 1'-0"



2 S-404 SECTION AT ROOF SKYLIGHT INFILL

3/4" = 1'-0"

4 S-404 SECTION AT DRILL HALL FLOOR REINFORCING

3/4" = 1'-0"

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42x30 PLOT SHEET

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DESIGN & CONSTRUCTION

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SCOTT E. HUGHES — 090531 — LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 11/30/2025

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

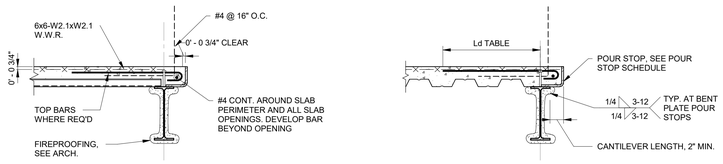
MARK	DATE	DESCRIPTION
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	02-29-2024	BID SET

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

SHEET TITLE: SUPERSTRUCTURE SECTIONS

DRAWING NUMBER: S-404

SHEET: OF



SEE PARALLEL CONDITION FOR BALANCE OF INFORMATION

DECK PERPENDICULAR TO EDGE

SEE PERPENDICULAR CONDITION FOR BALANCE OF INFORMATION

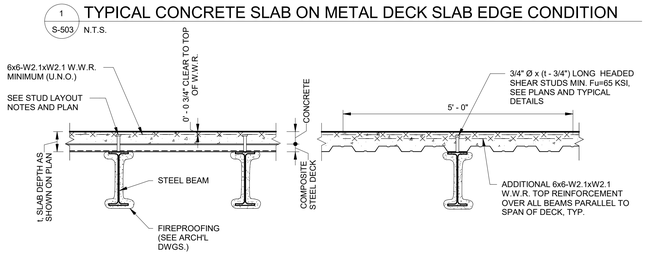
DECK PARALLEL TO EDGE

POUR STOP SCHEDULE				
SLAB CANTILEVER	BENT PLATE THICKNESS	BAR SIZE	SPACING	Ld
LESS THAN 6"	POUR STOP BY DECK MANUFACTURER	--	--	--
0'-6" - 0'-11"		#4	12"	2'-0"
1'-0" - 1'-6"	5/16"	#4	12"	3'-0"
1'-7" - 1'-11"	3/8"	#5	12"	4'-0"
2'-0" - 2'-6"	1/2"	#5	12"	4'-6"

NOTES:
1. SEE ARCHITECTURAL SLAB EDGE DRAWINGS FOR TYPICAL CANTILEVER DIMENSIONS.
2. CONFIRM SLAB CANTILEVERS LARGER THAN 2'-6" WITH E.O.R.
3. BAR SIZE AND SPACING ABOVE APPLY U.O.N. IN SECTIONS
4. SLAB EDGE IS DESIGNED TO SUPPORT ONE STORY OF FACADE LOADING.
5. POUR STOP IS SIZED FOR WET WEIGHT OF CONCRETE ONLY. SLAB CANTILEVER PROVIDES BALANCE OF STRUCTURAL CAPACITY FOR PERIMETER WALLS OR FACADE. F'c NEEDS TO BE ACHIEVED BEFORE FACADE LOAD CAN BE INSTALLED.

1 TYPICAL CONCRETE SLAB ON METAL DECK SLAB EDGE CONDITION

S-503 N.T.S.

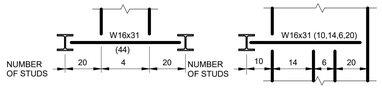


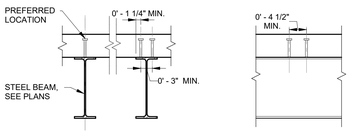
AT BEAM PERPENDICULAR TO SPAN OF DECK

AT BEAM PARALLEL TO SPAN OF DECK

STUD LAYOUT NOTES:

1. STUDS SHALL BE PLACED IN A SINGLE ROW OVER WEB WHERE POSSIBLE, SEE SPACING LIMITATIONS IN SKETCH BELOW. STUD LAYOUT SHOP DRAWINGS TO BE PROVIDED TO E.O.R. FOR REVIEW AND APPROVAL PRIOR TO STUD INSTALLATION.
2. WHERE A SINGLE NUMBER IS INDICATED ( ) IN PLAN THE NUMBER OF SHEAR STUD CONNECTORS SHALL BE DISTRIBUTED UNIFORMLY ALONG THE LENGTH OF THE BEAM, UNLESS OTHERWISE NOTED.
3. WHERE A SERIES OF NUMBERS IS INDICATED ( ) FOR BEAM OR GIRDERS SUPPORTING OTHER BEAMS THE SHEAR CONNECTORS SHALL BE DISTRIBUTED AS IN THE EXAMPLE BELOW.
4. WHERE A SINGLE NUMBER IS INDICATED ( ) IN PLAN AND THE EXTENT IS DESIGNATED BY ARROWS, THE NUMBER OF SHEAR CONNECTORS SHALL BE DISTRIBUTED UNIFORMLY ALONG THE DESIGNATED LENGTH AS IN THE EXAMPLE BELOW.
5. WHERE THE NUMBER OF STUDS EXCEEDS THE MAXIMUM THAT CAN BE PLACED IN A SINGLE ROW, PLACE AS MANY STUDS AS POSSIBLE IN A ROW (BASED ON MINIMUM SPACING) AND ADD REMAINDER AT ENDS OF SPAN IN MULTIPLE ROWS.
6. STUDS ARE NOT PERMITTED TO BE SHOP FASTENED.
7. SPACING OF SHEAR STUDS SHALL NOT BE GREATER THAN ONE EVERY 12 INCHES AVERAGED OVER THE LENGTH OF THE BEAM. ADD SHEAR STUDS AS NEEDED TO MEET THIS REQUIREMENT.
8. WHERE REQUIRED PER PLANS OR NOTES, STUDS SHALL NOT BE PLACED FURTHER THAN 36" CENTER-TO-CENTER. ADD SHEAR STUDS BEYOND PLAN STUD QUANTITY AS NEEDED TO MEET THIS REQUIREMENT.
9. STUDS TO BE INSTALLED AND CONCRETE POURED SUCH THAT A MINIMUM OF 3/4" OF CONCRETE IS PRESENT ABOVE THE TOP OF THE HEADED STUD.

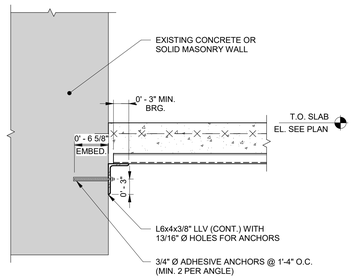




STUD PLACEMENT ON BEAM FLANGE

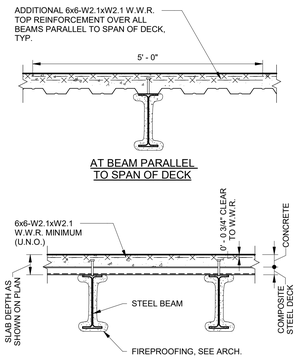
2 TYPICAL SHELF ANGLE AT EXISTING LOAD BEARING WALL FOR COMPOSITE FLOOR DECK SUPPORT

S-503 N.T.S.



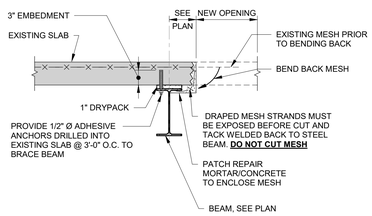
3 TYPICAL CONCRETE SLAB ON METAL DECK CONSTRUCTION

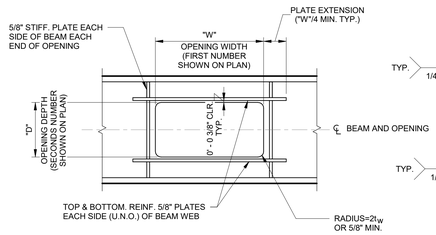
S-503 N.T.S.



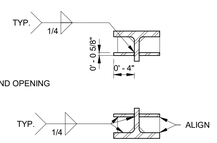
4 TYPICAL DETAIL OF BEAM DRYPACKED BELOW EXISTING SLAB AT NEW OPENING

S-503 3/4" = 1'-0"

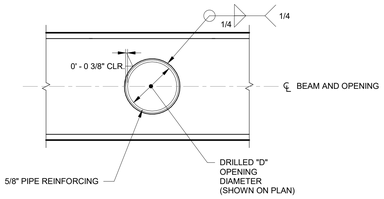




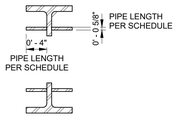
DETAIL P-A



SECTION



DETAIL P-C

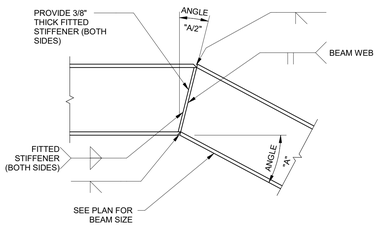


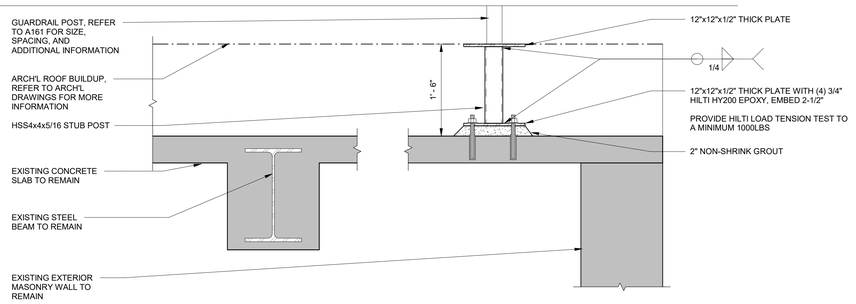
SECTION

NOTES:
1. SEE PLAN FOR OPENING SIZE AND LOCATION
2. ALL OPENING TO BE CENTERED AT BEAM MID-DEPTH.
3. COORDINATE ALL BEAM PENETRATION WITH HVAC, PLUMBING AND ELECTRICAL CONTRACTORS.

5 TYPICAL BEAM WEB PENETRATION

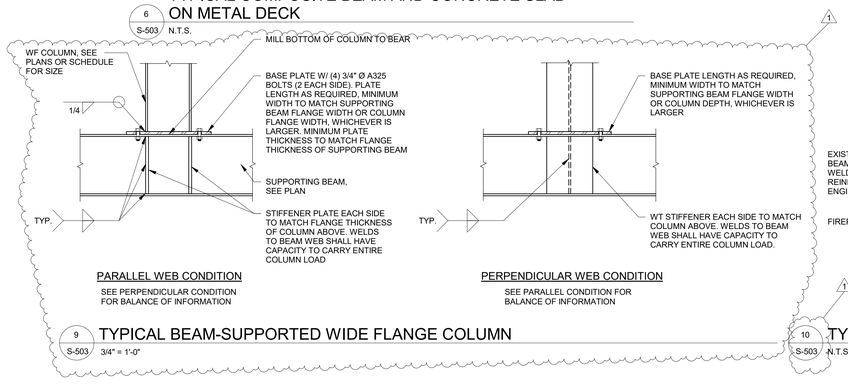
S-503 N.T.S.





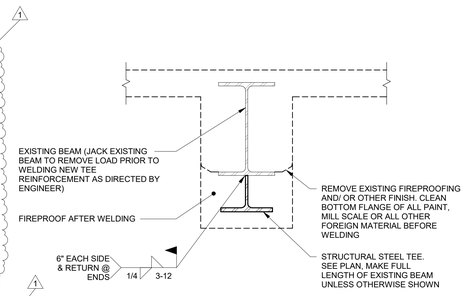
6 TYPICAL COMPOSITE BEAM AND CONCRETE SLAB ON METAL DECK

S-503 N.T.S.



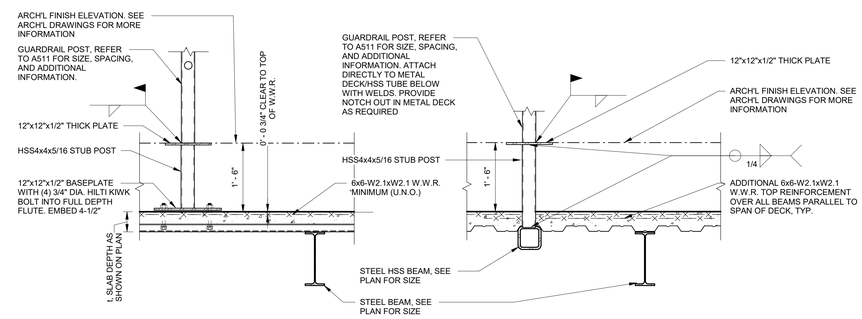
7 TYPICAL WF BENT BEAM

S-503 N.T.S.



8 TYPICAL ROOF GUARDRAIL POST CONNECTION TO EXISTING SLAB

S-503 N.T.S.



9 TYPICAL BEAM-SUPPORTED WIDE FLANGE COLUMN

S-503 3/4" = 1'-0"

10 TYPICAL WT REINFORCING OF EXISTING STEEL BEAM

S-503 N.T.S.

11 TYPICAL GUARDRAIL ON SLAB ON METAL DECK

S-503 N.T.S.

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6/5/2024 7:50:15 PM
42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION
CERTIFICATE OF AUTHORIZATION #: 0018544
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TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THE DRAWINGS BEARING MY PROFESSIONAL SEAL AND SIGNATURE MEET OR EXCEED THE 2020 NEW YORK STATE ENERGY CODE CONSISTING OF THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE, 2016 ASHRAE 90.1, AND THE 2020 NYS ENERGY CODE SUPPLEMENT.

WARNING:
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EXPIRATION DATE:
11/30/2025

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ ALTERATION

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

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
1	06-05-2024	ADDENDUM 05
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TYPICAL DETAILS

DRAWING NUMBER:
S-503

SHEET: OF

SELECTIVE REMOVAL AND SALVAGE GENERAL NOTES

NOTES ON THIS SHEET ARE GENERAL AND SUMMARIZED. REFER TO THE FOLLOWING SPECIFICATION SECTIONS FOR SELECTIVE REMOVAL, SALVAGE, REHABILITATION, AND REPAIR:

SECTION 013591 – HISTORIC TREATMENT PROCEDURES
SECTION 024296 – REMOVAL AND DISMANTLING OF HISTORIC MATERIALS
SECTION 040122 – INTERIOR MASONRY CLEANING AND COATING REMOVAL
SECTION 059100 – REPAIR OF DECORATIVE METALS
SECTION 060140 – REPAIR OF EXISTING ARCHITECTURAL WOODWORK
SECTION 080110 – TREATMENT OF HISTORIC DOORS
SECTION 090120.61 – REPAIR OF EXISTING PLASTER
SECTION 090160.61 – REPAIR OF EXISTING WOOD FLOORS
SECTION 090300.61 – REPAIR OF INTERIOR MASONRY FINISHES
SECTION 090391 – PLAIN PAINTING
SECTION 096600.61 – REPAIR OF TERRAZZO

REFER TO THE RELATED DRAWINGS BELOW:

1. REFER TO G-301 FOR LOCATIONS OF PRIORITY HISTORIC SPACES
2. REFER TO A-530-SERIES DRAWINGS FOR FIREPLACE RESTORATION AND FINISHES
3. REFER TO H-SERIES DRAWINGS FOR INDICATION OF THE PRESENCE OF HAZARDOUS MATERIALS PRIOR TO ANY REMOVALS. THE SCOPE OF WORK SHOWN IN THE ARCHITECTURAL DRAWINGS DO NOT INCLUDE REMOVALS RELATED TO HAZARDOUS MATERIALS.
4. REFER TO MD-SERIES DRAWINGS FOR MECHANICAL REMOVALS
5. REFER TO ED-SERIES DRAWINGS FOR ELECTRICAL REMOVALS
6. REFER TO PD-SERIES DRAWINGS FOR PLUMBING REMOVALS
7. REFER TO FD-SERIES DRAWINGS FOR FIRE PROTECTION REMOVALS.
8. REFER TO S-SERIES DRAWINGS FOR STRUCTURAL REMOVALS.

REFER TO THE RELATED PROJECT MANUAL DOCUMENTS BELOW:

APPENDIX H - INTERIOR CONDITIONS REPORT AND REPAIR RECOMMENDATIONS
APPENDIX I - EXISTING ARTIFACTS SURVEY
APPENDIX J - EXISTING DOOR INSPECTION REPORT

AD-SERIES DRAWING INDEX:

AD-100: FLOORPLANS
AD-200: EXTERIOR ELEVATIONS - REMOVALS
AD-300: EXTERIOR ELEVATIONS - REHABILITATION
AD-400: ENLARGED REMOVAL PLANS AND INTERIOR ELEVATIONS
AD-700: FLOOR REMOVAL PLANS
AD-800: CEILING REMOVAL PLANS

GENERAL NOTES:

1. ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE. DISCREPANCIES WILL BE REPORTED TO THE DIRECTOR'S REPRESENTATIVE PRIOR TO PROCEEDING WITH WORK.
2. EQUIPMENT LOCATIONS SHOWN MAY VARY. FIELD VERIFY LOCATIONS.
3. PROVIDE PROTECTION TO EXISTING MATERIALS, SURFACES, AND FINISHES TO REMAIN FROM DAMAGE FOR ENTIRE PROJECT DURATION.
4. IF ANY EXISTING WALL OR FLOOR AREAS NOT DESIGNATED FOR REMOVAL ARE DAMAGED DUE TO REMOVAL OF ADJACENT CONSTRUCTION, PATCH AND REPAIR DAMAGED SURFACES.
5. REMOVE ANY AND ALL EXISTING TOILET ROOM ACCESSORIES, NO FIXTURES TO REMAIN UNLESS OTHERWISE NOTED ON REMOVAL PLANS.
6. WHERE WALLS ARE INDICATED TO BE REMOVED, GRIND & PATCH REMAINING ADJACENT WALLS, FLOOR, AND EXPOSED STRUCTURE ABOVE SMOOTH WITH ADJACENT SURFACES.
7. ALL EXISTING COLUMNS, BEARING WALLS, BEAMS, LINTELS, AND STRUCTURE SHALL REMAIN, UNLESS OTHERWISE NOTED.
8. COORDINATE REMOVALS OF EXTERIOR BUILDING COMPONENTS WITH PROVISIONS FOR TEMPORARY PROTECTION TO MAINTAIN BLDG IN A SAFE, SECURE & WEATHER TIGHT CONDITION.
9. DO NOT SHUT OFF OR CAP UTILITIES WITHOUT PRIOR NOTICE. COORDINATE WORK WITH LOCAL UTILITY PURVEYORS.
10. ALL WORK SHALL BE DONE IN PROTECTED SPACE. NO DUST OR DIRT SHALL TRAVEL FROM CONSTRUCTION AREA TO ADJACENT AREAS. COORDINATE WITH SPECIFICATION SECTIONS 013591 HISTORIC TREATMENT PROCEDURES AND 015000 CONSTRUCTION FACILITIES & TEMPORARY CONTROLS. SPECIAL CARE TO BE TAKEN IN WORK AREAS ADJACENT TO EXISTING MATERIALS TO REMAIN AND BE RESTORED. REFER TO G-301 FOR PRIORITY HISTORIC SPACES.
11. REFER TO A-032 FOR TYPICAL HORIZONTAL FLOOR ASSEMBLIES, COORDINATE REMOVALS WITH CORESPONDING FINISH FLOOR INSTALLATION. SEE AD-700 AND A-700 DRAWINGS FOR FINISH FLOOR REMOVALS AND FINISH FLOOR PLANS.

PROTECTION

1. THE LEXINGTON AVENUE ARMORY IS A HISTORICAL STRUCTURE LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES AND DESIGNATED AS A NATIONAL LANDMARK. THEREFORE, IT IS IMPORTANT THAT ALL REMOVALS ARE DONE WITH CARE AND PROPER PREPARATION SO THAT HISTORIC ELEMENTS OF THE BUILDING TO REMAIN, ARE NOT DAMAGED.
2. DOCUMENT AND REVIEW ALL ITEMS TO BE REMOVED WITH THE STATE TO IDENTIFY ANY ITEMS TO BE SALVAGED PRIOR TO START OF REMOVALS AND DOCUMENT FOR APPROVAL. REFER TO APPENDIX I FOR ITEMS TO BE REMOVED AND SALVAGED. REFER TO SPECIFICATIONS 013591 AND 024296 FOR DOCUMENTATION, REMOVAL, AND STORAGE PROCEDURES.
3. WHERE REMOVALS OCCUR ADJACENT TO HISTORIC ELEMENTS TO REMAIN, PROVIDE PROTECTION AND FULLY DESCRIBE ELEMENTS IN A PROTECTION PLAN PROVIDED BY THE CONTRACTOR. THE PROTECTION PLAN IS TO BE SUBMITTED TO THE DIRECTOR'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ANY REMOVALS WORK ON SITE.
4. WHERE REMOVALS WOULD CREATE STRUCTURAL STABILITY CONCERNS, CONTRACTOR MUST PROVIDE PROPER SHORING AND BRACING OF THE EXISTING STRUCTURE AND REMOVALS MUST BE FULLY DESCRIBED BY THE CONTRACTOR. REFER TO STRUCTURAL DRAWING S-001 FOR SHORING REQUIREMENTS. THE SHORING AND BRACING PLAN IS TO BE SUBMITTED TO THE DIRECTOR'S REPRESENTATIVE, ENGINEERS, AND DIRECTOR'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ANY REMOVALS WORK ON SITE. PROPOSED STRUCTURAL REMOVALS MUST ALSO BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD BEFORE ANY STRUCTURAL REMOVAL WORK PROCEEDS.
5. WHERE REMOVALS WOULD OPEN UP THE INTERIOR OF THE EXISTING BUILDING TO THE ELEMENTS OR WOULD ALLOW WATER, SNOW OR OTHER LEAKAGE INTO THE BUILDING, TEMPORARY STRUCTURES OR OTHER MEASURES WILL BE PUT IN PLACE TO PROTECT THE INTERIOR OF THE EXISTING BUILDING. THE TEMPORARY STRUCTURES AND MEASURES ARE TO BE SUBMITTED TO THE DIRECTOR'S REPRESENTATIVE AND DIRECTOR'S REPRESENTATIVE FOR REVIEW PRIOR TO THE COMMENCEMENT OF THE WORK.

EXECUTION OF SELECTIVE REMOVALS AND SALVAGING OF HISTORIC MATERIALS

1. WHERE WORK OCCURS ADJACENT TO HISTORICALLY SIGNIFICANT BUILDING FEATURES OR OTHER EXISTING FINISHES TO BE PROTECTED, CONTRATOR SHALL PROVIDE PHOTO DOCUMENTATION OF ALL ELEMENTS. A REVIEW AND APPROVAL OF THE INSTALLED PROTECTION METHODS ON SITE BY THE DIRECTOR'S REPRESENTATIVE WILL OCCUR PRIOR THE COMMENCEMENT OF REMOVALS. REFER TO SPEC 013591 HISTORIC TREATMENT PROCEDURES.
2. SEE QUALIFICATIONS FOR SELECTIVE REMOVAL AND SALVAGE OF HISTORIC MATERIALS IN SPECIFICATION SECTION 024296. RETAIN ALL ITEMS TO BE SALVAGED PER DIRECTOR'S REPRESENTATIVE; ACCOUNT FOR MATERIALS TO BE MOVED AT LEAST ONE ADDITIONAL TIME DURING CONSTRUCTION.
3. AFTER AWARD OF THE WORK, A SCHEDULE FOR THE REMOVALS WORK AND ALL SITE LOGISTICS WILL BE REVIEWED WITH THE DIRECTOR'S REPRESENTATIVE PRIOR TO MOBILIZATION.
4. THE MEANS AND METHODS FOR SITE REMOVALS AND DESTINATION OF ALL CARTED DISPOSALS ARE TO BE REVIEWED WITH THE DIRECTOR'S REPRESENTATIVE PRIOR TO REMOVING MATERIAL OFF SITE.

REHABILITATION GENERAL NOTES

GENERAL

1. NOT ALL AREAS OF BUILDING WERE FULLY ACCESSIBLE FOR SURVEY FOR CONTRACT DOCUMENTS. CONTRACTOR TO INSPECT ALL WOODWORK, PLASTER AND EXISTING ARCHITECTURAL ELEMENTS TO REMAIN TOGETHER WITH DIRECTOR'S REPRESENTATIVE TO DETERMINE NECESSARY REPAIR. ALLOWANCES FOR ADDITIONAL KEYED NOT REPAIRS NOT INDICATED ON DRAWING DETAILS AND ELEVATIONS ARE SHOWN IN TABLES ON DRAWINGS
2. PERFORM A THOROUGH EXAMINATION OF THE EXISTING CONDITIONS.
3. MATERIAL TESTING SHOULD BE CONDUCTED TO IDENTIFY THE TYPE OF PLASTER USED IN THE ARMORY HISTORIC INTERIOR SPACES FOR PURPOSES OF REPLICATION. REFER TO SPEC 090120.61
4. REMOVE ALL ABANDONED ANCHORS AND ASSOCIATED HOLES. PATCH AND REPAIR EXISTING SUBSTRATE AS REQUIRED. PROCEDURE DEPENDENT ON EXISTING SUBSTRATE MATERIALITY.
5. ASSESS REPAIR REQUIREMENTS AFTER REMOVAL OF ABANDONED CONDUIT, PIPE AND HVAC RUNS. PATCH AND REPAIR AS REQUIRED
6. FURTHER INVESTIGATION OF ORIGINAL MATERIALS SHOULD BE UNDERTAKEN TO CONFIRM REFINISHING/REPAINTING AND PATCH/REPAIR TECHNIQUES
7. FINISH INVESTIGATIONS TO DETERMINE ORIGINAL FINISH ON WOOD DOORS/PANELS TO REMAIN SHOULD BE CONDUCTED TO FACILITATE REPAINTING/REFINISHING USING MATCHING FINISHES
8. WOOD IDENTIFICATION TESTING SHOULD BE CONDUCTED WHERE REPLACEMENT IN KIND IS REQUIRED TO ENSURE NEW WOOD MATCHES THE ORIGINAL. REFER TO SPEC 060140
9. ALL EXISTING MURALS, STAINED GLASS, WOOD PANELING, DOORS, FLOORS ETC. TO REMAIN U.O.N. DECORATIVE HISTORIC ELEMENTS TO BE PROTECTED THROUGHOUT DURATION OF DEMOLITION AND CONSTRUCTION

FLAT PLASTER/WALLS REHABILITATION NOTES - REFER TO SPEC 090120.61

1. REMOVE ALL ABANDONED ANCHORS AND ASSOCIATED HOLES. PATCH AND REPAIR EXISTING SUBSTRATE AS REQUIRED TO MATCH EXISTING ADJACENT WALL SURFACE AND TEXTURE.
2. SCRAPE AND REPAINT ALL EXISTING MASONRY WALLS TO REMAIN THAT WILL NOT BE COVERED BY NEW GWB WALLS OR FURRING.
3. SCRAPE AND FINISH FLAT OVERPAINTING AND AREAS OF PAINT DRIPS. ANY REPAIRS TO MATCH MATERIALITY AND FINISH TEXTURE OF ORIGINAL WALLS.
4. REMOVE WATER DAMAGED PLASTER ON WALLS AND CEILINGS BACK TO SOUND MATERIAL. REPLICATE HISTORIC SURFACE TEXTURE AND DECORATION AND REPAINT. SEE FINISH SCHEDULE IN ARCHITECTURAL DRAWINGS TO IDENTIFY INTENDED FINAL FINISH
5. REMOVE AND REPLACE ANY NON-HOMOGENOUS PRIOR PATCH/REPAIR WORK AND REPLACE TO MATCH ADJACENT WALL COLOR AND TEXTURE
6. ROUTE EXISTING CRACKS IN PLASTER AND PATCH, RECREATING THE SURFACE TEXTURE OR PROFILE
7. REMOVE ANY VISIBLE EFFLORESCENCE FROM WALLS. EXAMINE PLASTER PRIOR TO REMOVAL TO DETERMINE SOURCE OF MOISTURE AND MAKE REPAIRS AS REQUIRED.

DECORATIVE PLASTER REHABILITATION NOTES - REFER TO SPEC 090120.61

1. IF REPLACEMENTS FOR ORNAMENTAL ELEMENTS OR DECORATIVE PLASTER FORMS ARE NECESSARY TO COMPLETE THE WORK OF THIS SECTION, THESE MAY BE CAST IN MOLDS OFF-SITE AND THEN ASSEMBLED AND INSTALLED IN THE BUILDING.
2. ARCHITECTURAL CONSERVATOR TO PERFORM A FINISHES INVESTIGATION REPORT FOR ALL INTERIOR FINISHES AND ENTRANCE GATES / PLASTER ARCH
3. IF REPAIRS ARE TO BE MADE TO ORNAMENTAL ELEMENTS, REPAIRS ARE TO BE SEAMLESS.

WOOD PANELING AND TRIM REHABILITATION NOTES - REFER TO SPEC 060140

1. WHERE WOOD HAS WATER DAMAGE OR SMALL DEGREE OF WARPING, SAND AND REFINISH. MATCH EXISTING FINISH U.O.N. FINISH TESTING SHOULD BE PERFORMED PRIOR TO REPAIR TO DETERMINE FUTURE FINISH TO BE USED TO MATCH EXISTING
2. WHERE WOOD PANELS HAVE WARPED BEYOND REPAIR, REMOVE AND REPLACED HEAVILY DAMAGED WOOD PANELING OR PANELING THAT IS SEVERELY WARPED DUE TO WATER INFILTRATION, IN KIND, MATCHING IN WOOD SPECIES, PROFILE, GRAIN ORIENTATION, AND FINISH OF EXISTING. CARE SHOULD BE TAKEN TO RETAIN AS MUCH HISTORIC FABRIC AS POSSIBLE.
3. RESET ALL DISPLACED WOOD PANELING. REATTACH ALL LOOSE ELEMENTS WITH WOOD GLUE OR STAINLESS-STEAL FASTENERS.
4. REPLACE HEAVILY DETERIORATED OR MISSING WOOD WITH DUTCHMEN AS REQUIRED. WOOD SPECIES, GRAIN DIRECTION, AND FINISH TO MATCH THAT OF EXISTING WOOD.
5. REFINISH SCRATCHED OR ABRADED WOOD TO MATCH THE SURROUNDING FINISH.
6. REMOVE ALL ABANDONED ANCHORS. PATCH/FILL SMALL HOLES, CHECKS, AND MINOR CRACKS WITH REPAIR MATERIAL. CRACKED WOOD ELEMENTS SHOULD BE GLUED IF POSSIBLE. IF THESE ELEMENTS CANNOT BE REPAIRED, THEY SHOULD BE REPLICATED USING WOOD THAT MATCHES THE ORIGINAL.
7. CLEAN AND REFINISH WOOD DOORS AS REQUIRED TO ADDRESS OVERPAINTING, PAINT DROPS, ADHESIVE RESIDUE/DAMAGE AND GENERAL SOILING. SEE SPEC 090300, 060312

EXISTING WOOD FLOORS - REHABILITATION NOTES - REFER TO SPEC 090160.61

1. SUBMIT WOOD FLOOR TREATMENT PROGRAM PER SPECS
2. RESTORE EXISTING WOOD FLOORS TO REMAIN. SALVAGE AS REQ'D EXISTING HARDWOOD FLOORS IN SPACES SCHEDULED TO BE REMOVED (SEE AD-700'S FOR FINISH FLOOR REMOVAL PLANS).
3. PROVIDE, REPAIR, REPLACEMENT AND REFURBISHMENT MATERIALS AS REQUIRED, MATCHING MATERIAL PROPERTIES, EXPOSED FINISHES AND COLORS AND PERFORMANCE OF ORIGINAL MATERIALS AND COMPONENTS, UNLESS OTHERWISE INDICATED OR AS REQUIRED BY CURRENT BUILDING CODE, EXPOSED UNITS OR MEMBERS SHALL HAVE MATCHING SURFACE CHARACTERISTICS AND FINISHES AS APPROVED BY DIRECTOR'S REPRESENTATIVE, SUBMIT SAMPLES.
4. SEE ARCHITECTURAL DRAWINGS AND FINISH SCHEDULE FOR FINAL SURFACE TREATMENT OF FIELD ONCE REPAIR/REHABILITATION WORK IS COMPLETED
5. RETAIN THE SERVICES OF AN ARCHITECTURAL CONSERVATOR OR OTHER MATERIALS SCIENTIST WHO CAN IDENTIFY THE SPECIES OF EXISTING WOOD FLOORS TO REMAIN AND CREATE A SALVAGE / REUSE PLAN

WALL PENETRATION OPENINGS REHABILITATION NOTES

1. FILL VOIDS AND HOLES LEFT BY SELECTIVE REMOVALS OF EXISTING BUILDING ELEMENTS WITH MATERIAL OF SAME SIZE, TEXTURE AND COLOR AS ADJACENT EXISTING MATERIAL TO REMAIN. MATCH TEXTURE OF MORTAR JOINTS AS REQUIRED.
2. WHERE BRICK IS TO REMAIN UNPAINTED/EXPOSED, CAREFUL CONSIDERATION TO BE TAKEN TO MATCH ADJACENT BRICK TEXTURE AND COLOR AS WELL AS MORTAR TEXTURE AND COLOR

STONE STAIR TREADS REHABILITATION NOTES - REFER TO SPEC 090300.61

1. SCRAPE AND REMOVE EXISTING PAINT ON EXISTING TO REMAIN STONE STAIR TREADS AND LANDINGS.
2. GENERAL CLEANING OF ANY SOILED OR DISCOLORED AREAS OF SURFACE STONE.
3. PATCH AND REPAIR ANY MISSING MATERIAL – TO MATCH ADJACENT STONE COLOR AND TEXTURE.
4. REMOVE AND REPLACE ANY NON-HOMOGENOUS PRIOR PATCH/REPAIR WORK AND REPLACE TO MATCH ADJACENT STONE COLOR AND TEXTURE.

TERRAZZO REHABILITATION NOTES - REFER TO SPEC 096600.61

1. GENERAL CLEANING OF ANY SOILED OR DISCOLORED AREAS OF EXISTING TERRAZZO.
2. FILL MINOR CRACKS OR SPALLS IN TERRAZZO FLOORS. PATCH MATERIAL TO MATCH EXISTING ADJACENT MATRIX COLOR
3. PATCH AND REPAIR ANY MISSING OR CRACKED MATERIAL. REMOVE ALL FOREIGN MATTER IN VOID. REPLACE WITH NEW MATERIAL TO MATCH ADJACENT MATRIX AND AGGREGATE. COLORS AND GRADATION OF AGGREGATE SIZES AS REQUIRED TO MATCH EXISTING TERRAZZO AGGREGATE MATERIAL.
4. REMOVE AND REPLACE ANY NON-HOMOGENOUS PRIOR PATCH/REPAIR WORK. REMOVE ALL FOREIGN MATTER IN VOID. REPLACE WITH NEW MATERIAL TO MATCH ADJACENT MATRIX AND AGGREGATE. COLORS AND GRADATION OF AGGREGATE SIZES AS REQUIRED TO MATCH EXISTING TERRAZZO AGGREGATE MATERIAL.
5. REPAIR AND REPLACE DIVIDER STRIPS AS REQUIRED. TO MATCH EXISTING DIVIDER STRIP IN SIZE, PROFILE, COLOR AND MATERIALITY

CAST IRON + DECORATIVE METAL RAILING REHABILITATION NOTES - REFER TO SPEC 059100

1. PERFORM CLEANING, METHOD INDICATED IN A MANNER WHICH RESULTS IN UNIFORM COVERAGE OF ALL SURFACES, INCLUDING CORNERS, MOLDINGS AND INTERSTICES, AND WHICH PRODUCES AN EVEN EFFECT WITHOUT STREAKING OR DAMAGE TO ADJACENT SURFACES.
2. REPLICATE MISSING PARTS USING EXISTING PARTS AS MODELS UNLESS THE CHANGE IN SIZE WILL COMPROMISE THE DESIGN OR FIT OF THE PART.
3. REPLICATE MISSING PORTIONS OF RAILINGS TO MATCH ADJACENT EXISTING PANELS.
4. FILL HOLES OR DENTS IN METALS TO BE PAINTED
5. PRIME AND FINISH PAINT STEEL AND CAST IRON AS SCHEDULED ON THE DRAWINGS AND SPECIFIED IN SECTION 059100.

WROUGHT IRON HARDWARE REHABILITATION NOTES - REFER TO SPEC 059100

1. EXISTING WROUGHT IRON HARDWARE TO REMAIN AS NOTED
2. FOR HARDWARE TO BE REMOVED, SALVAGE AND STORE ORIGINAL DOOR HARDWARE AS REFERENCE SAMPLE AS INDICATED BY DRAWINGS. REFER TO DOOR RESTORATION SPEC 080110.

CERAMIC TILE REHABILITATION NOTES (AT DRILL HALL STORAGE AREAS ALONG COLUMN LINE 07)

1. CLEAN
2. PATCH AND REPAIR AS NEED

MURAL CONSERVATION AND CLEANING REHABILITATION NOTES - REFER TO SPEC 013591

1. EXISTING MURALS TO BE PROTECTED THROUGHOUT DURATION OF DEMOLITION AND CONSTRUCTION.
2. PAINTING CONSERVATOR MUST BE CONSULTED PRIOR TO DEMOLITION AND CONSTRUCTION TO ASSESS EXISTING MURAL REHABILITATION AND PROTECTION SCOPE.
3. CAREFUL CONSIDERATION TO BE TAKEN AT ANY REMOVAL LOCATIONS ADJACENT OR OVER EXISTING MURALS. BEST EFFORTS MUST BE TAKEN NOT TO DAMAGE EXISTING MURAL OR PAINTED CONTENT THAT MAY BE BEHIND SELECTIVE REMOVAL AREAS.
4. AREAS OF EXISTING MURALS NEWLY EXPOSED DUE TO REMOVAL OF CONDUIT, PIPE AND OTHER ARCHITECTURAL ELEMENTS TO BE CLEANED AND RESTORED TO MATCH SURROUNDING. CONSULTATION WITH ART CONSERVATOR RECOMMENDED TO DETERMINE BEST METHODS FOR CLEANING AND REPLACEMENT OF ANY LOST AREAS OF PAINT.
5. DOCUMENT ALL WORK BEFORE, DURING, AND AFTER, WITH DIGITAL PHOTOGRAPHS, TO BE INCLUDED IN A FINAL TREATMENT REPORT
6. CLEAN DIRT AND GRIME USING DRY CLEANING METHODS
7. STABILIZE FLAKING PAINT
8. REATTACH MINOR DELAMINATION OF MURAL FABRIC TO PLASTER SUBSTRATE WITH APPROPRIATE ADHESIVE AS REQUIRED
9. FILL AND INPAINT PAINT LOSS AND/OR DAMAGE WITH REVERSIBLE CONSERVATION PAINTS

FIREPLACES REHABILITATION NOTES

1. REFER TO FIREPLACE DETAILS ON SHEETS BEGINNING ON A-530.
2. SCRAPE AND CLEAN OVERPAINTING AREAS OF PAINT DRIPS. ANY REPAIRS TO MATCH MATERIALITY AND FINISH TEXTURE OF ORIGINAL MANTLE AND HEARTH.
3. REPAIR CHIPPED AND CRACKED PLASTER FIREPLACES/MANTELS. REPLICATE MISSING ORNAMENT TO MATCH THE HISTORIC FABRIC AS NOTED
4. REMOVE ANY LOOSE PAINT
5. REHABILITATE EXISTING FIREPLACE AND SURROUNDING HEARTH/MANTEL AS REQ'D. REMOVE ANY AREAS OF OVERPAINTING, SECURE LOOSE TRIM-WORK AND REPLACE MISSING WOOD DETAILING TO MATCH ADJACENT AND REFINISH AS REQ'D TO MATCH EXISTING FINISH.
6. SELECTIVE REMOVAL AND SALVAGE OF EXISTING MANTEL AS NOTED
7. PREPARE FIREBOX VOID TO RECEIVE NEW FURRED WALL SET BACK FROM FACE OF HEARTH, ALIGNED WITH CHIMNEY ABV, SEE ARCH DWGS FOR LOCATIONS

DRILL HALL MEZZANINE DOORS + WINDOWS

1. RESTORE DOORS LEADING INTO THE DRILL HALL TO THEIR ORIGINAL APPEARANCE. THIS MAY REQUIRE THE RECREATION OF DECORATIVE FAUX WOOD-GRAINED FINISHES
2. REPLACE CRACKED OR DAMAGED GLASS IN KIND

DOOR RESTORATION - REFER TO SPEC 080110

1. REFER TO EXISTING DOOR SCHEDULE A-635 FOR LIST OF EXISTING DOORS TO REMAIN AND TO BE RESTORED AND BASIC RESTORATION SCOPE.
2. REFER TO SPEC 080110 FOR FULL DOOR RESTORATION SCOPE.
3. REFER TO EXISTING DOOR TYPES A-636.

DRILL HALL TYPICAL CONDITIONS REPAIR NOTES:

1. ABANDONED ANCHORS\HOLES IN BRICK WALLS AND FASCIA
   - A. REMOVE ANCHORS GREATER THAN 1/2" IN DIAMETER OR VISUALLY OBTRUSIVE. PATCH EXTANT AND RESULTING HOLES WITH APPROPRIATE REPAIR MATERIAL BASED ON SURROUNDING SUBSTRATE.
   - B. LEAVE WOOD PLUGS THAT ARE AT LEAST 50% INTACT
2. BALUSTERS
   - A. 100% OF WOOD HANDRAILS ON BALUSTRADES SHOULD BE PATCHED, CLEANED, AND REFINISHED
   - B. 100% OF CAST IRON BALUSTERS SHOULD BE STRIPPED AND REFINISHED WITH CORROSION-INHIBITING PAINT
   - C. RESET ALL DISPLACED ELEMENTS
   - D. RECAST MISSING ELEMENTS OR USED SALVAGED PIECES TO RESTORE DAMAGED PANELS
3. METAL FASCIA
   - A. 100% OF METAL FASCIA SHOULD BE CLEANED AND REPAINTED
   - B. RESHAPE DEFORMATIONS AND PATCH HOLES

TYPE OF DAMAGE LEGEND - WITH REPAIR/ REHABILITATION NOTES

1 REFER TO ADDITIONAL INFORMATION IN GENERAL NOTES ON AD-001 AND RESTORATION SPECIFICATIONS.

REFER TO AD-100 SERIES FOR WALL, DOOR, AND WINDOW REMOVAL SCOPE. REMOVALS SHOWN IN AD-400 ARE FOR REFERENCE ONLY.

REFER TO AD-400-SERIES AND APPENDIX H FOR OBSERVED LOCATIONS.

QUANTITIES BELOW INDICATE APPROXIMATE EXTENT OF DAMAGE. TOTAL FOR EACH CATEGORY.

REPAIR SUBSTRATE SURFACE DEFECTS THAT ARE INCONSISTENT WITH THE SURFACE APPEARANCE OF ADJACENT MATERIALS AND FINISHES.

REFER TO APPENDIX H: INTERIOR CONDITIONS REPORT AND REPAIR RECOMMENDATIONS - AMENDED

x **ABANDONED ANCHOR / HOLE - 2,500 LOCATIONS**
REMOVE ALL ABANDONED ANCHORS AND ASSOCIATED HOLES. PATCH AND REPAIR EXISTING SUBSTRATE AS REQUIRED TO MATCH EXISTING ADJACENT WALL SURFACE AND TEXTURE.

ABRASION / SCRATCH - 302 SF
REFINISH SCRATCHED OR ABRADED WOOD TO MATCH THE SURROUNDING FINISH.

ADHESIVE RESIDUE - 322 SF
CLEAN AND REFINISH SURFACE AS REQUIRED TO ADDRESS ADHESIVE RESIDUE

CRACK - PLASTER - 114 LINEAR FT
ROUTE EXISTING CRACKS IN PLASTER AND PATCH, RECREATING THE SURFACE TEXTURE OR PROFILE

CRACK - WOOD - 190 LINEAR FT
CRACKED WOOD ELEMENTS SHOULD BE GLUED IF POSSIBLE. IF THESE ELEMENTS CANNOT BE REPAIRED, THEY SHOULD BE REPLICATED USING WOOD THAT MATCHES THE ORIGINAL.

DISPLACEMENT - WOOD - 20 SF
RESET ALL DISPLACED WOOD PANELING. REATTACH ALL LOOSE ELEMENTS WITH WOOD GLUE OR STAINLESS-STEAL FASTENERS.

INACCESSIBLE
AREA WAS INACCESSIBLE AT TIME OF SURVEY DUE TO IMMOVABLE FURNITURE OR OTHER ACCESS LIMITATIONS. CONTRACTOR TO VERIFY CONDITIONS IN FIELD

MATERIAL LOSS - PLASTER - 82 SF
REPLACE MISSING PLASTER WITH REPLICATED HISTORIC SURFACE TEXTURE AND DECORATION AND REPAINT.

MATERIAL LOSS - WOOD - 114 SF
REPLACE HEAVILY DETERIORATED OR MISSING WOOD WITH DUTCHMEN AS REQUIRED. WOOD SPECIES, GRAIN DIRECTION, AND FINISH TO MATCH THAT OF EXISTING WOOD.

MATERIAL LOSS - BRICK - 24 SF
REPLACE HEAVILY DETERIORATED BRICK AND MATCH EXISTING

PAINT DRIPS / OVERPAINT - 96 SF
CLEAN AND REFINISH SURFACE AS REQUIRED TO ADDRESS PAINT DROPS AND OVERPAINTING.

PREVIOUS REPAIR - PLASTER - 50 SF
REMOVE ANY PREVIOUS PLASTER PATCH/REPAIR WORK THAT IS NON-HOMOGENOUS AND REPLACE TO MATCH ADJACENT WALL COLOR AND TEXTURE

PREVIOUS REPAIR - WOOD - 22 SF
REMOVE ANY PREVIOUS WOOD PATCH/REPAIR WORK THAT IS NON-HOMOGENOUS AND REPLACE TO MATCH ADJACENT WALL COLOR AND TEXTURE

PREVIOUS REPAIR - MORTAR - 10 SF
REMOVE ANY PREVIOUS MORTAR PATCH/REPAIR WORK THAT IS NON-HOMOGENOUS AND REPLACE TO MATCH ADJACENT WALL COLOR AND TEXTURE

SOILING - 1,526 SF
CLEAN AND REFINISH SURFACE AS REQUIRED TO ADDRESS OVERPAINTING, PAINT DROPS, ADHESIVE RESIDUE/DAMAGE AND GENERAL SOILING. SEE SPECS 090300 AND 060312

WATER DAMAGE - PLASTER - 170 SF
REMOVE WATER DAMAGED PLASTER ON WALLS AND CEILINGS BACK TO SOUNDS MATERIAL. REPLICATE HISTORIC SURFACE TEXTURE AND DECORATION AND REPAINT. SEE FINISH SCHEDULE IN ARCHITECTURAL DRAWINGS TO IDENTIFY INTENDED FINAL FINISH

WATER DAMAGE - WOOD - 70 SF
WHERE WOOD HAS WATER DAMAGE OR SMALL DEGREE OF WARPING, SAND AND REFINISH. MATCH EXISTING FINISH U.O.N. FINISH TESTING SHOULD BE PERFORMED PRIOR TO REPAIR TO DETERMINE FUTURE FINISH TO BE USED TO MATCH EXISTING

WHERE WOOD PANELS HAVE WARPED BEYOND REPAIR, REMOVE AND REPLACED HEAVILY DAMAGED WOOD PANELING OR PANELING THAT IS SEVERELY WARPED DUE TO WATER INFILTRATION, IN KIND, MATCHING IN WOOD SPECIES, PROFILE, GRAIN ORIENTATION, AND FINISH OF EXISTING. CARE SHOULD BE TAKEN TO RETAIN AS MUCH HISTORIC FABRIC AS POSSIBLE.

METAL DEFORMATION - 118 SF
NOTE THAT ALL EXISTING METAL FASCIA SHOULD BE CLEANED AND REPAINTED. RESHAPE DEFORMATIONS AND PATCH HOLES.

EFFLORESCENCE - 12,200 SF
CLEANING

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

UNIFORM CODE WRITTEN STATEMENT:
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REGISTERED ARCHITECT 041001 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY 68 LEXINGTON AVENUE NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE: SELECTIVE REMOVAL AND REHABILITATION GENERAL NOTES

DRAWING NUMBER: AD-001

SHEET: OF

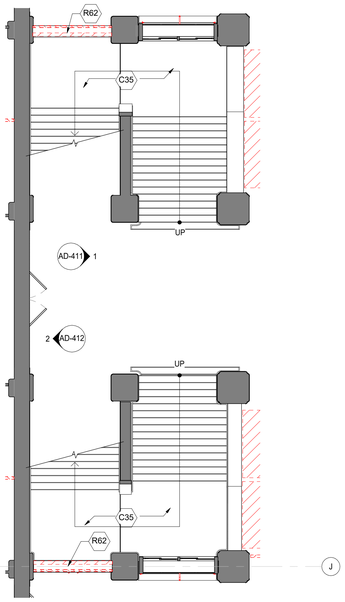
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REMOVALS KEYNOTES BY SHEET

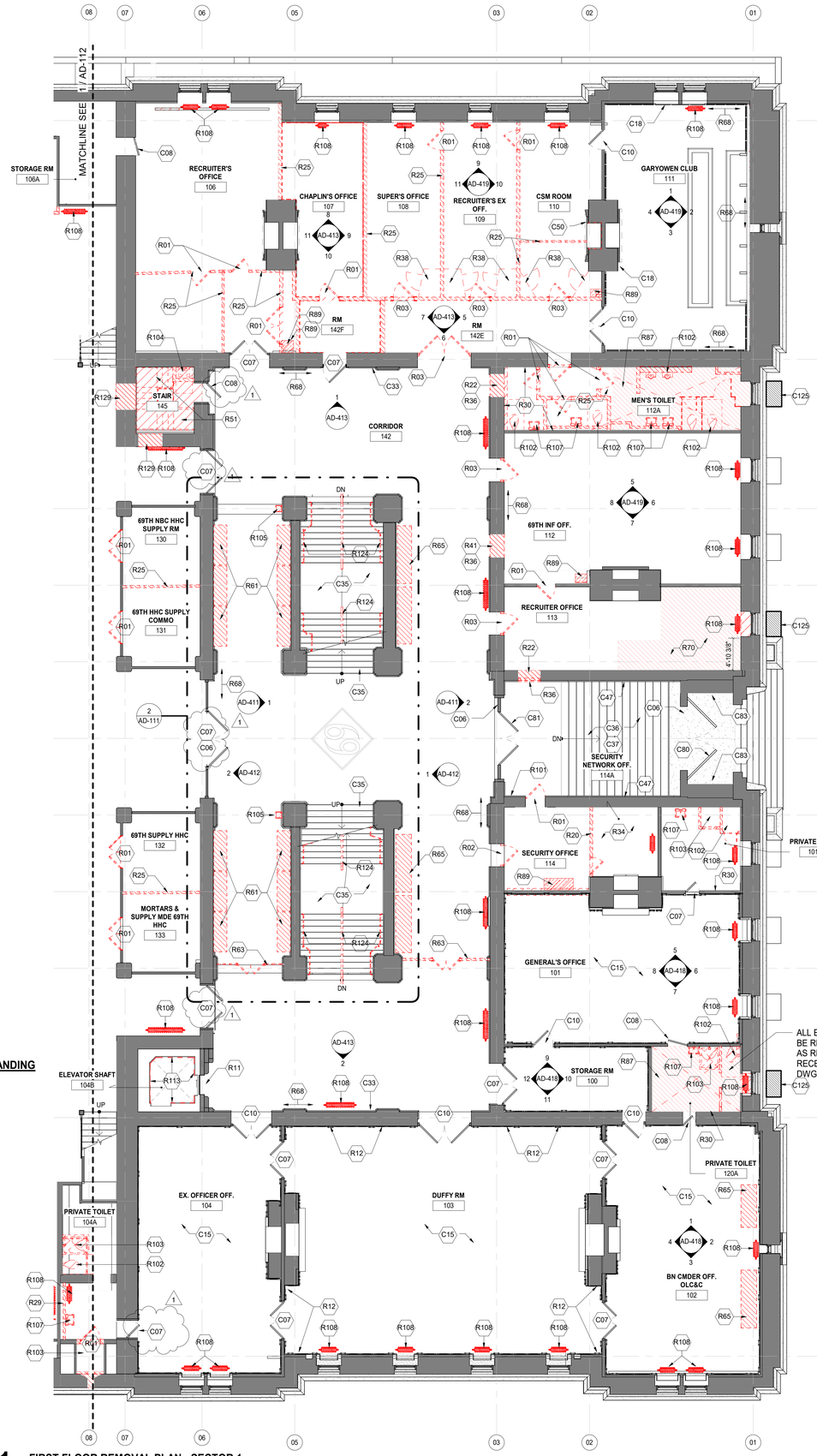
KEYNOTE	COMMENT
R01	REMOVE AND DISPOSE OF DOOR, HARDWARE, AND FRAME.
R02	REMOVE AND DISPOSE OF DOOR AND HARDWARE; RETAIN AND RESTORE FRAME AND PREPARE FOR NEW DOOR.
R03	REMOVE AND RETAIN DOOR AND HARDWARE FOR REUSE AND REPAIR OF OTHER RESTORED DOORS.
R11	REMOVE ELEVATOR DOOR AND METAL FASCIA. PATCH AND REPAIR WALL AS REQD. REFER TO SHEET A-491 FOR DETAILED ELEVATOR DRAWINGS AND REPLACEMENT WORK.
R12	REMOVE GOLD-PAINTED WOOD TRIM AROUND PERIMETER OF ROOM; PATCH AND REPAIR WALLS AS REQUIRED FOR NEW PAINT. REFER TO INTERIOR ELEVATIONS IN A-400 SERIES.
R20	REMOVE WOOD STUD FRAMING IN ITS ENTIRETY
R22	SELECTIVE REMOVAL OF MASONRY WALL WHERE INDICATED. PATCH AND REPAIR OPENING. REFER TO A-645 FOR TYP OPENING DETAILS.
R25	SELECTIVE REMOVAL OF EXISTING TERRA COTTA WALL. COORDINATE REMOVAL WITH ARCHITECTURAL DRAWINGS. VERIFY EXTENT OF REMOVAL PRIOR TO CONSTRUCTION. PATCH AND REPAIR CONNECTING WALLS TO REMAIN.
R29	SELECTIVE REMOVAL OF PLUMBING AND/OR MECHANICAL CHASE WALLS
R30	REMOVE GLAZED WALL TILE WAINSCOT, 6'-0" HT +/-, ENTIRE LENGTH OF WALL.
R34	REMOVE NON-HISTORIC WOOD PANELING THROUGHOUT ROOM. PREPARE ANY SURFACES TO REMAIN FOR SCHEDULED FINISH. PATCH AND REPAIR AS REQUIRED. SEE ARCHITECTURAL DRAWINGS FOR SCHEDULED FINISH AND WALL TREATMENTS.
R36	SAW CUT EXISTING DECORATIVE WAINSCOT TRIM. SEE ARCH PLANS FOR EXTENT OF REMOVALS AND COORDINATE WITH OPENINGS.
R38	REMOVE AND DISPOSE OF EXISTING MILLWORK CLOSET, DOOR, AND ALL ASSOCIATED HARDWARE, SHELVING, AND ACCESSORIES.
R41	SAW CUT AND REMOVE MULTI-WYTHE BRICK MASONRY WALL, INCLUDING STONE BAND AND BASE, AS REQUIRED FOR VEHICLE OPENING. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXTENT OF WORK. SEE A-102 AND A-112. PREPARE FOR VEHCILE RAMP STRUCTURAL SUPPORT; REFER TO STRUCTURAL DRAWINGS. SEE S-102 AND S-112.
R51	REMOVE METAL STAIR WITH STONE TREADS ASSEMBLY, INCLUDING TILED LANDING, ANCHORS, METAL RAILINGS, AND SUPPORTS IN ITS ENTIRETY.
R61	REMOVE AND DISPOSE OF WOOD CABINET DISPLAY CASES.
R62	REMOVE AND SALVAGE FOR REUSE WOOD PANELING AT STAIR LANDING. PATCH AND REPAIR WALLS AS REQUIRED.
R63	REMOVE AND SALVAGE WOOD PANELED WALL PARTITION FOR REUSE IN RESTORATION AND REBUILDING OF WOOD PANELING ELSEWHERE. ALL UNUSED WOOD PANELING REMAINING TO BE RETAINED BY OWNER.
R65	REMOVE AND SALVAGE EXISTING CASEWORK / FURNITURE. REFER TO APPENDIX I FOR EXISTING ARTIFACT DETAILS AND DIRECTION FOR REMOVAL AND SALVAGING.
R68	REMOVE ALL AV/IT EQUIPMENT, CABLE, AND CORDS UNLESS OTHERWISE NOTED - REFER TO SHEET AD-003 FOR TYPICAL CONDITIONS THROUGHOUT BUILDING. ASSUME CABLING RUNS ENTIRE LENGTH OF WALL INDIDCATED. REFER TO ED DRAWINGS FOR ELECTRICAL AND CONDUIT REMOVALS.
R70	REMOVE FLOOR ASSEMBLY AND FLOOR STRUCTURE FOR PROPOSED ACCESSIBLE ENTRY AT LEXINGTON AVE. REFER TO ARCHITECTURAL PLANS FOR EXTENT OF WORK. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL REMOVALS.
R87	REMOVE FLOOR ASSEMBLY AND FLOOR STRUCTURE FOR STAIR OPENING. REFER TO ARCHITECTURAL STAIR LAYOUT FOR EXTENT OF WORK. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL REMOVALS.
R89	SAW CUT AND REMOVE EXISTING FLOOR ASSEMBLY AND SLAB AT SHAFT LOCATIONS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR PRECISE LOCATIONS.
R101	REMOVE EXISTING ACCESS CONTROL EQUIPMENT. REFER TO ED DRAWINGS.
R102	REMOVE TOILET FIXTURE AND ASSOCIATED PIPING; REMOVE ALL TOILET PARTITIONS, DOORS, AND TOILET ROOM ACCESSORIES. INFILL ALL FLOOR AND WALL OPENINGS WHERE NEW FIXTURES ARE NOT BEING INSTALLED. REFER TO PD DRAWINGS FOR PLUMBING REMOVALS.
R103	REMOVE SHOWER IN ITS ENTIRETY; REMOVE ALL ASSOCIATED PARTITIONS AND ACCESSORIES.
R104	REMOVE JANITOR SINK. REFER TO PLUMBING DRAWINGS FOR PLUMBING REMOVALS.
R105	REMOVE DRINKING FOUNTAIN AND PIPING. REFER TO PLUMBING DRAWINGS FOR PLUMBING REMOVALS.
R107	REMOVE SINK(S), CABINETRY, COUNTERTOP, AND ALL ASSOCIATED PLUMBING; REMOVE ALL WALL-MOUNTED MIRRORS AND ACCESSORIES. REFER TO PD DRAWINGS FOR PLUMBING REMOVALS.
R108	REMOVE EXISTING RADIATOR, COVER, AND ASSOCIATED PIPING. SEE PD DRAWINGS FOR MORE DETAILS.
R113	REMOVE ALL EXISTING PASSENGER ELEVATOR CAB WALL FINISHES AND BUTTON COVER PLATES. REFER TO SHEET A-490 FOR DETAILED ELEVATOR DRAWINGS AND REPLACEMENT WORK; REFER TO SPEC 140120.
R124	REMOVE EXISTING RAILING STRUCTURE. PREPARE AREAS TO RECEIVE NEW RAILING.
R129	REMOVE MASONRY AND PREP OPENING TO RECEIVE NEW DUCTWORK. SEE M-SERIES FOR LOCATIONS AND SIZES OF DUCTWORK.

RESTORATION KEYNOTES BY SHEET

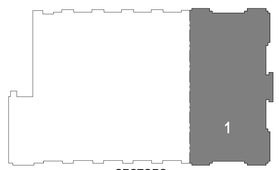
KEYNOTE	COMMENT
C06	REPAIR AND PROTECT DECORATIVE PLASTER ARCH ELEMENTS AND CRESTS. PROTECT THROUGHOUT DURATION OF CONSTRUCTION.
C07	RESTORE DOOR, FRAME, AND HARDWARE - REFER TO EXISTING DOOR SCHEDULE ON A-635 AND SPECIFICATION 080110.
C08	RESTORE DOOR, FRAME, AND HARDWARE AND PIN CLOSED - REFER TO EXISTING DOOR SCHEDULE ON A-635 AND SPECIFICATION 080110.
C10	RESTORE DOOR AND FRAME; REPLACE EXISTING HARDWARE WITH NEW; REFER TO EXISTING DOOR SCHEDULE ON A-635 AND SPECIFICATION 080110.
C15	RESTORE ALL HISTORIC WOOD PANELING AND TRIM IN ROOM. REBUILD WOOD PANELING WHERE REQUIRED. REFER TO WOOD PANELING AND TRIM REHABILITATION GENERAL NOTES ON AD-001.
C18	REPLACE HEAVILY DETERIORATED OR MISSING WOOD WITH DUTCHMEN AS REQUIRED. WOOD SPECIES, GRAIN DIRECTION, AND FINISH TO MATCH THAT OF EXISTING WOOD.
C33	FILL VOIDS AND HOLES LEFT FROM THE SELECTIVE REMOVAL OF EXISTING STANDPIPE AND REPAIR WALL TO MATCH ADJACENT. REFER TO FD-SERIES DRAWINGS FOR FIRE PROTECTION REMOVALS. MATERIAL OF SAME SIZE, TEXTURE AND COLOR AS ADJACENT EXISTING MATERIAL TO REMAIN. MATCH TEXTURE OF MORTAR JOINTS AS REQUIRED. PATCHING, UNLESS OTHERWISE INDICATED, SHALL BE LIMITED TO THE AREAS WHICH HAVE BEEN CUT OR ALTERED.
C35	SCRAPE AND REMOVE EXISTING PAINT AND WAX ON STONE STAIR TREADS AND LANDINGS AS INDICATED. CLEAN STONE SURFACE AND SEAL ACCORDING TO SPEC 0090300.61.
C36	GENERAL CLEANING OF GRANITE STEPS AND LANDING. CREATE IN-PLACE MOCKUP IN AN INCONSPICUOUS LOCATION PRIOR TO WORK TO TEST METHODS AND CHEMICALS. CLEANING PRODUCTS AND CHEMICALS MUST BE AS GENTLE AS POSSIBLE TO STILL BE EFFECTIVE.
C37	PATCH AND REPAIR ANY MISSING MATERIAL – TO MATCH ADJACENT STONE COLOR AND TEXTURE
C47	REMOVE LOOSE PAINT, PATCH AND REPAIR AS REQD TO ACHEIVE SMOOTH SURFACE. SECURE ANY LOOSE BRACKETS OR MECHANICAL FASTENERS TO WALL AND RAIL AS REQD. FILL HOLES OR DENTS IN METALS TO BE PAINTED. PRIME AND FINISH PAINT STEEL AS SCHEDULED ON THE DRAWINGS AND SPECIFIED IN SECTION 050170
C50	EXISTING MURALS TO BE PROTECTED THROUGHOUT DURATION OF REMOVALS AND CONSTRUCTION PER SPECIFICATION 013591.
C80	REPAIR OF LARGE EXTERIOR WOOD GATE DOORS. REFER TO SHEET A-637: EXISTING DOOR TYPES FOR RESTORATION NOTES.
C81	REPAIR OF LARGE EXTERIOR WOOD DOORS. REFER TO SHEET A-637: EXISTING DOOR TYPES FOR RESTORATION NOTES.
C83	REPAIR OF EXISTING CAST IRON GATE. REFER TO SHEET A-637: EXISTING DOOR TYPES FOR RESTORATION NOTES.
C125	EXISTING LIGHTWELL TO BE INFILLED TO MATCH SIDEWALK. SEE DETAILS ON SHEET A-503.



2 FIRST FLOOR REMOVAL PLAN - MAIN ENTRY HALL STAIR MID-LANDING
1/8" = 1'-0"



1 FIRST FLOOR REMOVAL PLAN - SECTOR 1
1/8" = 1'-0"



KEY PLAN

REMOVALS GENERAL NOTES

1. REFER TO AD-001 FOR COMPLETE REMOVAL AND RESTORATION GENERAL NOTES
2. REFER TO AD-002 FOR COMPLETE LIST OF SELECTIVE REMOVALS KEYNOTES.
3. REFER TO AD-700-SERIES FOR EXISITNG FLOOR REMOVALS AND RESTORATION
4. PATCH OPENINGS IN REMAINING WALLS, FLOORS, CEILINGS, AND ROOFS CREATED BY REMOVALS OF PIPES, CONDUIT, DUCTWORK, FASTENERS, AND OTHER APPURTENANCES. WHERE REMOVALS HAVE BEEN MADE IN EXISTING WALLS FOR NEW OPENINGS, DOORS, AND WINDOWS, COORDINATE WITH ROUGH OPENING REQUIREMENTS FOR NEW ITEMS TO BE INSTALLED.
5. WHERE EXISTING PARTITIONS, FLOORS, CEILINGS, AND ROOFS ARE PENETRATED FOR NEW WORK, PATCH HOLES AND OPENINGS FLUSH TO ADJOINING SURFACES WITH COMPATIBLE MATERIALS. FINISH EXPOSED SURFACES OF PATCH TO MATCH ADJOINING SURFACES AND PREP SURFACES FOR NEW FINISHES AS SCHEDULED.
6. PATCH EXISTING CONSTRUCTION AND FINISHES DEFACED, DAMAGED, OR LEFT INCOMPLETE DUE TO ALTERATIONS AND REMOVALS. PATCHING, EXCEPT AS OTHERWISE INDICATED, SHALL BE LIMITED TO THE AREAS WHICH HAVE BEEN CUT OR ALTERED. FINISH PATCHED SURFACES TO MATCH EXISTING ADJACENT SURFACES AS CLOSELY AS PRACTICABLE.
7. PERFORM PATCHING AROUND ITEMS PENETRATING EXISTING CONSTRUCTION IN A MANNER THAT WILL MAINTAIN THE WATER AND FIRE RESISTIVE CAPABILITY OF THE EXISTING CONSTRUCTION.
8. WHERE REINSTALLATION OF REMOVED ITEMS IS INDICATED ELSEWHERE, REINSTALL THEM TO A CONDITION EQUAL TO OR BETTER THAN THEIR CONDITION BEFORE REMOVAL.

REMOVALS LEGEND

- EXISTING WALL TO REMAIN
- GENERAL REMOVAL
- SELECTIVE REMOVAL MASONRY WALL
- CONCRETE SLAB REMOVAL
- SELECTIVE REMOVAL SURFACE MATERIAL
- CONCRETE SLAB INFILL
- ALTERNATE EXTENTS

KEYED REMOVALS NOTE

- R01 — KEYED REMOVALS NOTE - COMPLETE LIST OF KEYNOTES ON AD-002
- C01 — KEYED REPAIR + REHABILITATION NOTE - COMPLETE LIST OF KEYNOTES ON AD-002

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REGISTERED ARCHITECT JOHN P. MARVEL 031993 STATE OF NEW JERSEY

EXPIRATION DATE: 03/31/2026

PROJECT NORTH

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE: FIRST FLOOR REMOVAL + REHABILITATION PLAN - SECTOR 1

DRAWING NUMBER: AD-111

SHEET: OF

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REMOVALS GENERAL NOTES

1. REFER TO AD-001 FOR COMPLETE REMOVAL AND RESTORATION GENERAL NOTES
2. REFER TO AD-002 FOR COMPLETE LIST OF SELECTIVE REMOVALS KEYNOTES.
3. REFER TO AD-700-SERIES FOR EXISITNG FLOOR REMOVALS AND RESTORATION
4. PATCH OPENINGS IN REMAINING WALLS, FLOORS, CEILINGS, AND ROOFS CREATED BY REMOVALS OF PIPES, CONDUIT, DUCTWORK, FASTENERS, AND OTHER APPURTENANCES. WHERE REMOVALS HAVE BEEN MADE IN EXISTING WALLS FOR NEW OPENINGS, DOORS, AND WINDOWS, COORDINATE WITH ROUGH OPENING REQUIREMENTS FOR NEW ITEMS TO BE INSTALLED.
5. WHERE EXISTING PARTITIONS, FLOORS, CEILINGS, AND ROOFS ARE PENETRATED FOR NEW WORK, PATCH HOLES AND OPENINGS FLUSH TO ADJOINING SURFACES WITH COMPATIBLE MATERIALS. FINISH EXPOSED SURFACES OF PATCH TO MATCH ADJOINING SURFACES AND PREP SURFACES FOR NEW FINISHES AS SCHEDULED.
6. PATCH EXISTING CONSTRUCTION AND FINISHES DEFACED, DAMAGED, OR LEFT INCOMPLETE DUE TO ALTERATIONS AND REMOVALS. PATCHING, EXCEPT AS OTHERWISE INDICATED, SHALL BE LIMITED TO THE AREAS WHICH HAVE BEEN CUT OR ALTERED. FINISH PATCHED SURFACES TO MATCH EXISTING ADJACENT SURFACES AS CLOSELY AS PRACTICABLE.
7. PERFORM PATCHING AROUND ITEMS PENETRATING EXISTING CONSTRUCTION IN A MANNER THAT WILL MAINTAIN THE WATER AND FIRE RESISTIVE CAPABILITY OF THE EXISTING CONSTRUCTION.
8. WHERE REINSTALLATION OF REMOVED ITEMS IS INDICATED ELSEWHERE, REINSTALL THEM TO A CONDITION EQUAL TO OR BETTER THAN THEIR CONDITION BEFORE REMOVAL.

RESTORATION KEYNOTES BY SHEET

KEYNOTE	COMMENT
C07	RESTORE DOOR, FRAME, AND HARDWARE - REFER TO EXISTING DOOR SCHEDULE ON A-635 AND SPECIFICATION 080110.
C11	RESTORE EXISTING SLIDING DOOR AND FRAME. PIN DOORS IN OPEN POSITION. COORDINATE WITH NEW WALL AND DOOR IN A-100s.
C33	FILL VOIDS AND HOLES LEFT FROM THE SELECTIVE REMOVAL OF EXISTING STANDPIPE AND REPAIR WALL TO MATCH ADJACENT. REFER TO FD-SERIES DRAWINGS FOR FIRE PROTECTION REMOVALS. MATERIAL OF SAME SIZE, TEXTURE AND COLOR AS ADJACENT EXISTING MATERIAL TO REMAIN. MATCH TEXTURE OF MORTAR JOINTS AS REQUIRED. PATCHING, UNLESS OTHERWISE INDICATED, SHALL BE LIMITED TO THE AREAS WHICH HAVE BEEN CUT OR ALTERED.
C90	RESTORE STAIR TREADS TO REMAIN; REMOVE PAINT AND OTHER FINISHES FROM STONE TREAD, CLEAN STONE, AND REFINISH/REPAINT.
C91	RESTORE METAL STAIR RAILING WITH WOOD HANDRAIL TO REMAIN; REMOVE EXISTING PAINT AND FINISHES, CLEAN AND REFINISH METAL AND WOOD; APPLY NEW FINISHES. REFER TO SPEC 059100 FOR FULL REQUIREMENTS.
C92	RESTORE METAL MEZZANINE RAILING; REMOVE EXISTING PAINT AND FINISHES, CLEAN AND REFINISH METAL AND WOOD; APPLY NEW FINISHES. REFER TO SPEC 059100 FOR FULL REQUIREMENTS.
C94	RESTORE METAL STAIR AND RAILING TO REMAIN; SCRAPE AND REMOVE PAINT AND FINISHES, CLEAN AND RESTORE METAL, AND REFINISH AND REPAINT.
C95	RESTORE METAL LOFT AND RAILING TO REMAIN; SCRAPE AND REMOVE PAINT AND FINISHES, CLEAN AND RESTORE METAL, AND REFINISH AND REPAINT.

REMOVALS KEYNOTES BY SHEET

KEYNOTE	COMMENT
R01	REMOVE AND DISPOSE OF DOOR, HARDWARE, AND FRAME.
R13	REMOVE VEHICULAR LIFT DOORS AND METAL FASCIA AND PREPARE FOR INSTALLATION OF NEW VEHICULAR LIFT AND DOORS. REFER TO SPEC 142000.
R22	SELECTIVE REMOVAL OF MASONRY WALL WHERE INDICATED. PATCH AND REPAIR OPENING. REFER TO A-645 FOR TYP OPENING DETAILS.
R23	REMOVE METAL FENCING, ANCHORS AND ACCESSORIES.
R25	SELECTIVE REMOVAL OF EXISTING TERRA COTTA WALL. COORDINATE REMOVAL WITH ARCHITECTURAL DRAWINGS. VERIFY EXTENT OF REMOVAL PRIOR TO CONSTRUCTION. PATCH AND REPAIR CONNECTING WALLS TO REMAIN.
R29	SELECTIVE REMOVAL OF PLUMBING AND/OR MECHANICAL CHASE WALLS
R37	REMOVE EXISTING CERAMIC TILE ON WALLS; THREE WALLS AROUND STORAGE ROOM WITH FULL HEIGHT TILE. PATH AND REPAIR WALL TO RECEIEVE NEW SCHEDULED FINISH.
R40	REMOVE MASONRY INFILL AT ANNEX HISTORIC DOOR OPENING. TAKE CARE TO NOT DAMAGE ADJACENT MASONRY. CLEAN AND PREPARE SURFACE TO RECEIVE STOREFRONT.
R41	SAW CUT AND REMOVE MULTI-WYTHE BRICK MASONRY WALL; INCLUDING STONE BAND AND BASE, AS REQUIRED FOR VEHCILE OPENING. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXTENT OF WORK. SEE A-102 AND A-112. PREPARE FOR VEHICLE RAMP STRUCTURAL SUPPORT. REFER TO STRUCTURAL DRAWINGS. SEE S-102 AND S-112.
R43	REMOVE MULTI-WYTHE BRICK MASONRY INFILL AT EXISTING DRILL HALL WINDOW OPENINGS AS REQUIRED FOR WINDOW. REFER TO A-621 FOR WINDOW DETAILS.
R52	REMOVE EXTERIOR MASONRY STAIR, LANDING, AND METAL STAIR RAILINGS. PATCH AND REPAIR SIDEWALK AS REQUIRED. REFER TO CIVIL DRAWINGS FOR SCOPE OF WORK.
R54	REMOVE AND SALVAGE HISTORIC STAIR, STAIR ASSEMBLY, LANDING, ANCHORS, RAILINGS, AND SUPPORT IN ITS ENTIRETY. RETAIN STAIR ON SITE PER DIRECTOR'S REPRESENTATIVE; ACCOUNT FOR MATERIALS TO BE MOVED AT LEAST ONE ADDITIONAL TIME DURING CONSTRUCTION. PREPARE OPENING TO RECEIVE SPECIFIED FLOOR ASSEMBLY AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR INFILL OF STAIR OPENING.
R84	SAW CUT AND REMOVE DRILL HALL FLOOR ASSEMBLY, SUBSTRATE, AND STRUCTURAL SUPPORT AS REQUIRED FOR VEHICLE RAMP. SEE A-480 FOR VEHICLE RAMP PLANS & SECTIONS. SEE STRUCUTRAL DRAWINGS FOR VEHICLE RAMP STRUCTURAL SUPPORT PLANS AND DETAILS.
R87	REMOVE FLOOR ASSEMBLY AND FLOOR STRUCTURE FOR STAIR OPENING. REFER TO ARCHITECTURAL STAIR LAYOUT FOR EXTENT OF WORK. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL REMOVALS.
R93	REMOVE WOOD FLOORING, SUBFLOOR, AND ORIGINAL HISTORIC WOOD FLOOR DOWN TO LEVEL REQUIRED FOR NEW REINFORCED CONCRETE SLAB FLOOR. REFER TO STRUCTURAL DRAWINGS S-112 AND S-404 FOR FLOOR ASSEMBLY DETAIL.
R102	REMOVE TOILET FIXTURE AND ASSOCIATED PIPING; REMOVE ALL TOILET PARTITIONS, DOORS, AND TOILET ROOM ACCESSORIES. INFILL ALL FLOOR AND WALL OPENINGS WHERE NEW FIXTURES ARE NOT BEING INSTALLED. REFER TO PD DRAWINGS FOR PLUMBING REMOVALS.
R103	REMOVE SHOWER IN ITS ENTIRETY; REMOVE ALL ASSOCIATED PARTITIONS AND ACCESSORIES.
R108	REMOVE EXISTING RADIATOR, COVER, AND ASSOCIATED PIPING. SEE PD DRAWINGS FOR MORE DETAILS.
R114	REMOVE EXISTING VEHICULAR LIFT CAB AND ALL RELATED EQUIPMENT, PANELS, AND WIRING. PREPARE SHAFT FOR INSTALLATION OF NEW VEHICULAR LIFT. REFER TO SPEC 142000 FOR NEW ELEVATOR DETAILS.
R126	REMOVE AND DISPOSE OF EXISTING BRASS EXHIBITION RAILING AND PATCH AND REPAIR FLOOR AS NEEDED.

R01 FOR ALL EXISTING ARMS VAULT DOORS

SEE AD-712 FOR FIRST FLOOR FINISH REMOVAL PLANS

NOTE: REFER TO AD-700S FOR FINISH FLOOR REMOVAL PLANS

CORNER PORTION OF EXISITING MASONRY WALL CUT DOWN FOR VEHCILE RAMP

FLOOR REMOVAL FOR VEHICLE RAMP TO EXTEND TO NEAREST ADJACET STRUCUTRAL SUPPORT BELOW

1 **FIRST FLOOR REMOVAL PLAN - SECTOR 2&3**
1/8" = 1'-0"

KEY PLAN

SECTORS

UNIFORM CODE WRITTEN STATEMENT:
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EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

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

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

PROJECT NUMBER: 47166-C

DESIGNED BY: MARVEL
DRAWN BY: MARVEL
FIELD CHECK: Checker
APPROVED: Approver

SHEET TITLE: FIRST FLOOR REMOVAL + REHABILITATION PLAN - SECTOR 2&3

DRAWING NUMBER: AD-112

SHEET: OF

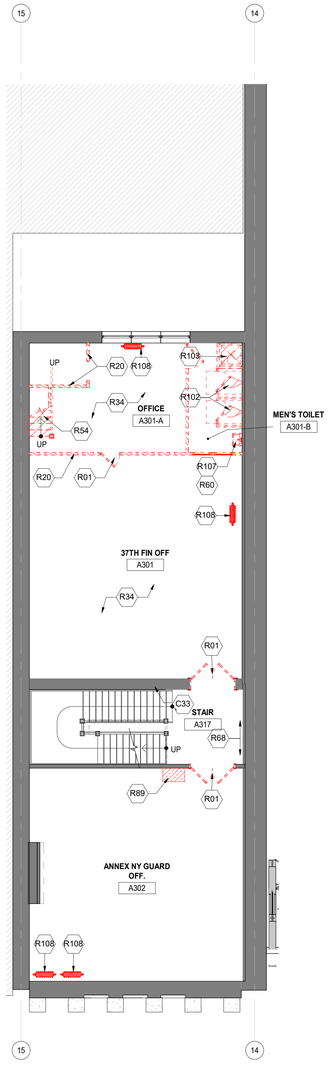
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REMOVALS KEYNOTES BY SHEET

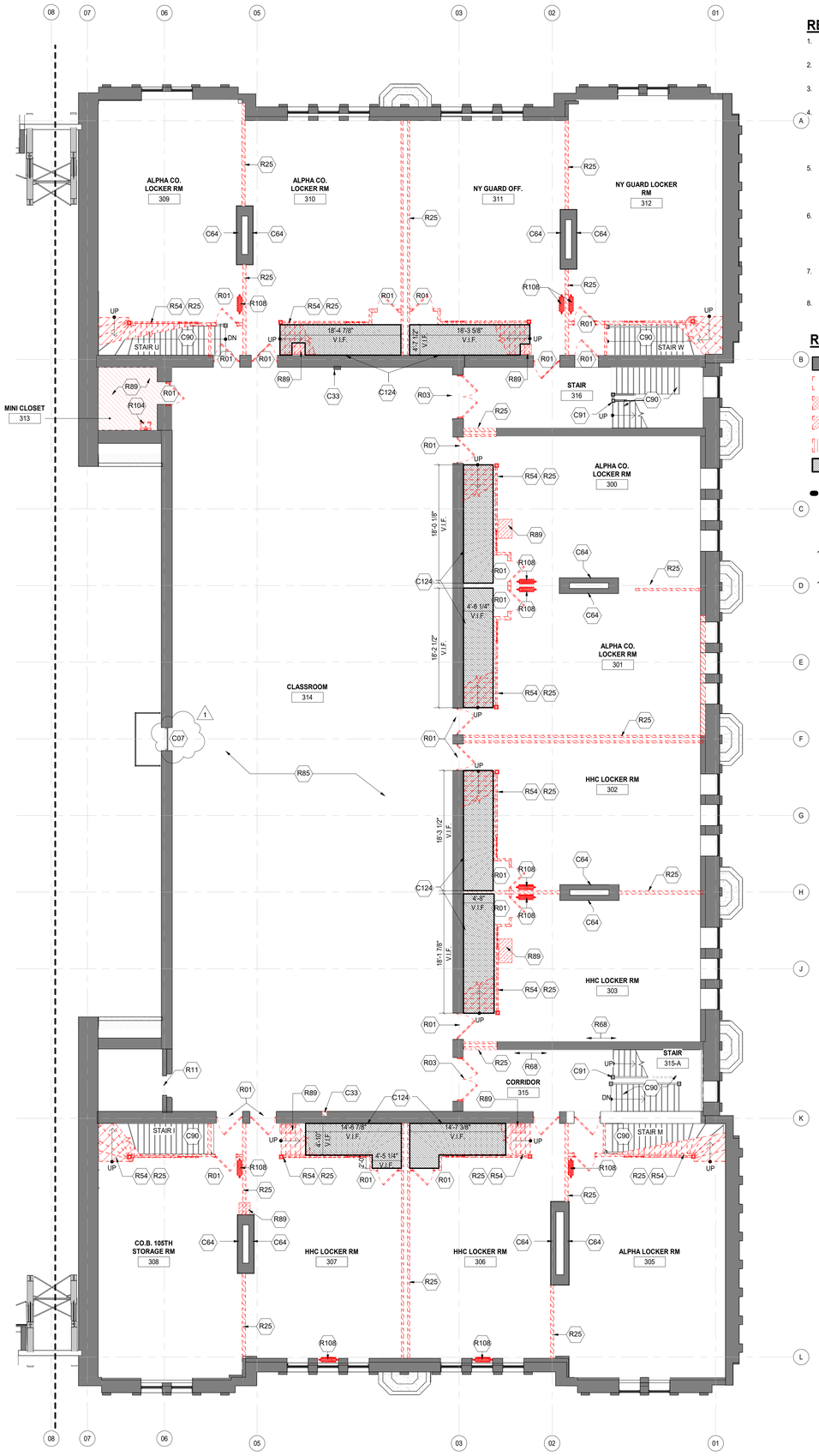
KEYNOTE	COMMENT
R01	REMOVE AND DISPOSE OF DOOR, HARDWARE, AND FRAME.
R03	REMOVE AND RETAIN DOOR AND HARDWARE FOR REUSE AND REPAIR OF OTHER RESTORED DOORS.
R11	REMOVE ELEVATOR DOOR AND METAL FASCIA. PATCH AND REPAIR WALL AS REQ'D. REFER TO SHEET A-491 FOR DETAILED ELEVATOR DRAWINGS AND REPLACEMENT WORK.
R20	REMOVE WOOD STUD FRAMING IN ITS ENTIRETY
R25	SELECTIVE REMOVAL OF EXISTING TERRA COTTA WALL. COORDINATE REMOVAL WITH ARCHITECTURAL DRAWINGS. VERIFY EXTENT OF REMOVAL PRIOR TO CONSTRUCTION. PATCH AND REPAIR CONNECTING WALLS TO REMAIN.
R34	REMOVE NON-HISTORIC WOOD PANELING THROUGHOUT ROOM. PREPARE ANY SURFACES TO REMAIN FOR SCHEDULED FINISH. PATCH AND REPAIR AS REQUIRED. SEE ARCHITECTURAL DRAWINGS FOR SCHEDULED FINISH AND WALL TREATMENTS.
R54	REMOVE AND SALVAGE HISTORIC STAIR, STAIR ASSEMBLY, LANDING, ANCHORS, RAILINGS, AND SUPPORT IN ITS ENTIRETY. RETAIN STAIR ON SITE PER DIRECTOR'S REPRESENTATIVE; ACCOUNT FOR MATERIALS TO BE MOVED AT LEAST ONE ADDITIONAL TIME DURING CONSTRUCTION. PREPARE OPENING TO RECEIVE SPECIFIED FLOOR ASSEMBLY AS REQUIRED. REFER TO STRUCTURAL DRAWINGS FOR INFILL OF STAIR OPENING.
R60	REMOVE WALL HUNG MIRRORS AND ALL ASSOCIATED FASTENERS AND ACCESSORIES.
R68	REMOVE ALL AVIT EQUIPMENT, CABLE, AND CORDS UNLESS OTHERWISE NOTED - REFER TO SHEET AD-003 FOR TYPICAL CONDITIONS THROUGHOUT BUILDING. ASSUME CABLING RUNS ENTIRE LENGTH OF WALL INDICATED. REFER TO ED DRAWINGS FOR ELECTRICAL AND CONDUIT REMOVALS.
R85	REMOVE VINYL COMPOSITION TILE (VCT) TO SUBFLOOR AND PREPARE SUBSTRATE TO RECEIVE SCHEDULED FINISH FLOOR. ASSUME 1-1/2" +/- TYPICAL REMOVAL DEPTH OF EXISTING VCT TILE, PLYWOOD AND ORIGINAL WOOD FLOOR. EXISTING WOOD SUBFLOOR TO REMAIN. VERIFY EXISTING ASSSEMBLY IN FIELD AND REFER TO ARCHITECTURAL DRAWINGS FOR SCHEDULED FINISH FLOOR PRIOR TO REMOVALS.
R89	SAW CUT AND REMOVE EXISTING FLOOR ASSEMBLY AND SLAB AT SHAFT LOCATIONS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR PRECISE LOCATIONS.
R102	REMOVE TOILET FIXTURE AND ASSOCIATED PIPING; REMOVE ALL TOILET PARTITIONS, DOORS, AND TOILET ROOM ACCESSORIES. INFILL ALL FLOOR AND WALL OPENINGS WHERE NEW FIXTURES ARE NOT BEING INSTALLED. REFER TO PD DRAWINGS FOR PLUMBING REMOVALS.
R103	REMOVE SHOWER IN ITS ENTIRETY; REMOVE ALL ASSOCIATED PARTITIONS AND ACCESSORIES.
R104	REMOVE JANITOR SINK. REFER TO PLUMBING DRAWINGS FOR PLUMBING REMOVALS.
R107	REMOVE SINK(S), CABINETRY, COUNTERTOP, AND ALL ASSOCIATED PLUMBING; REMOVE ALL WALL-MOUNTED MIRRORS AND ACCESSORIES. REFER TO PD DRAWINGS FOR PLUMBING REMOVALS.
R108	REMOVE EXISTING RADIATOR, COVER, AND ASSOCIATED PIPING. SEE PD DRAWINGS FOR MORE DETAILS.

RESTORATION KEYNOTES BY SHEET

KEYNOTE	COMMENT
C07	RESTORE DOOR, FRAME, AND HARDWARE - REFER TO EXISTING DOOR SCHEDULE ON A-635 AND SPECIFICATION 080110.
C33	FILL VOIDS AND HOLES LEFT FROM THE SELECTIVE REMOVAL OF EXISTING STANDPIPE AND REPAIR WALL TO MATCH ADJACENT. REFER TO FD-SERIES DRAWINGS FOR FIRE PROTECTION REMOVALS. MATERIAL OF SAME SIZE, TEXTURE AND COLOR AS ADJACENT EXISTING MATERIAL TO REMAIN. MATCH TEXTURE OF MORTAR JOINTS AS REQUIRED. PATCHING, UNLESS OTHERWISE INDICATED, SHALL BE LIMITED TO THE AREAS WHICH HAVE BEEN CUT OR ALTERED.
C64	STABILIZE EXISTING MASONRY CHIMNEY. PATCH AND REPAIR AS REQUIRED. RE-POINT ANY LOOSE, CRACKED GROUT/MORTOR. PREPARE SURFACE TO RECEIVE PAINT. REFER TO FIREPLACE AND CHIMNEY SHEETS STARTING ON A-530 FOR DETAILS.
C90	RESTORE STAIR TREADS TO REMAIN; REMOVE PAINT AND OTHER FINISHES FROM STONE TREAD, CLEAN STONE, AND REFINISH/REPAINT.
C91	RESTORE METAL STAIR RAILING WITH WOOD HANDRAIL TO REMAIN; REMOVE EXISTING PAINT AND FINISHES, CLEAN AND REFINISH METAL AND WOOD; APPLY NEW FINISHES. REFER TO SPEC 059100 FOR FULL REQUIREMENTS.
C124	AREA OF CONCRETE SLAB INFILL. REFER TO S-100-SERIES STRUCTURAL FRAMING PLANS AND S-500-SERIES STRUCTURAL DETAILS.



1 THIRD FLOOR REMOVAL PLAN - SECTOR 3
1/8" = 1'-0"



2 THIRD FLOOR REMOVAL - PLAN SECTOR 1
1/8" = 1'-0"

REMOVALS GENERAL NOTES

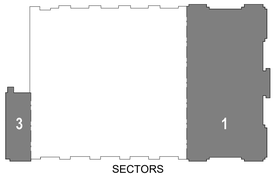
1. REFER TO AD-001 FOR COMPLETE REMOVAL AND RESTORATION GENERAL NOTES
2. REFER TO AD-002 FOR COMPLETE LIST OF SELECTIVE REMOVALS KEYNOTES.
3. REFER TO AD-700-SERIES FOR EXISITNG FLOOR REMOVALS AND RESTORATION
4. PATCH OPENINGS IN REMAINING WALLS, FLOORS, CEILINGS, AND ROOFS CREATED BY REMOVALS OF PIPES, CONDUIT, DUCTWORK, FASTENERS, AND OTHER APPURTENANCES. WHERE REMOVALS HAVE BEEN MADE IN EXISTING WALLS FOR NEW OPENINGS, DOORS, AND WINDOWS, COORDINATE WITH ROUGH OPENING REQUIREMENTS FOR NEW ITEMS TO BE INSTALLED.
5. WHERE EXISTING PARTITIONS, FLOORS, CEILINGS, AND ROOFS ARE PENETRATED FOR NEW WORK, PATCH HOLES AND OPENINGS FLUSH TO ADJOINING SURFACES WITH COMPATIBLE MATERIALS. FINISH EXPOSED SURFACES OF PATCH TO MATCH ADJOINING SURFACES AND PREP SURFACES FOR NEW FINISHES AS SCHEDULED.
6. PATCH EXISTING CONSTRUCTION AND FINISHES DEFACED, DAMAGED, OR LEFT INCOMPLETE DUE TO ALTERATIONS AND REMOVALS. PATCHING, EXCEPT AS OTHERWISE INDICATED, SHALL BE LIMITED TO THE AREAS WHICH HAVE BEEN CUT OR ALTERED. FINISH PATCHED SURFACES TO MATCH EXISTING ADJACENT SURFACES AS CLOSELY AS PRACTICABLE.
7. PERFORM PATCHING AROUND ITEMS PENETRATING EXISTING CONSTRUCTION IN A MANNER THAT WILL MAINTAIN THE WATER AND FIRE RESISTIVE CAPABILITY OF THE EXISTING CONSTRUCTION.
8. WHERE REINSTALLATION OF REMOVED ITEMS IS INDICATED ELSEWHERE, REINSTALL THEM TO A CONDITION EQUAL TO OR BETTER THAN THEIR CONDITION BEFORE REMOVAL.

REMOVALS LEGEND

- EXISTING WALL TO REMAIN
- GENERAL REMOVAL
- SELECTIVE REMOVAL MASONRY WALL
- CONCRETE SLAB REMOVAL
- SELECTIVE REMOVAL SURFACE MATERIAL
- CONCRETE SLAB INFILL
- ALTERNATE EXTENTS

KEYED REMOVALS NOTE

- R01 — KEYED REMOVALS NOTE - COMPLETE LIST OF KEYNOTES ON AD-002
- C01 — KEYED REPAIR + REHABILITATION NOTE - COMPLETE LIST OF KEYNOTES ON AD-002



KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

UNIFORM CODE WRITTEN STATEMENT:
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REGISTERED ARCHITECT ANTHONY JOHN MARVEL 031551 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE:
THIRD FLOOR REMOVAL + REHABILITATION PLAN - SECTOR 1&3

DRAWING NUMBER: AD-131

SHEET: OF

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FLOOR FINISH REMOVALS LEGEND

- EXISTING WOOD FLOOR FINISH REMOVAL
- EXISTING VCT FLOOR FINISH REMOVAL
- EXISTING CARPET FLOOR FINISH REMOVAL
- EXISTING TERRAZO FLOOR FINISH REMOVAL
- EXISTING TILE REMOVAL
- EXISTING EPOXY REMOVAL
- EXISTING CONCRETE SLAB REMOVAL
- REMOVAL OF PLYWOOD IN DRILL HALL AND RESTORATION OF FLOORS
- R01 — KEYED REMOVALS NOTE - COMPLETE LIST OF KEYNOTES ON AD-002
- C01 — KEYED REPAIR + REHABILITATION NOTE - COMPLETE LIST OF KEYNOTES ON AD-002

REMOVALS KEYNOTES BY SHEET

KEYNOTE	COMMENT
R72	EXISTING PAINTED PLYWOOD OVERLAY ON EXISTING WOOD FLOORS COMPLETED AS PART OF 2023 LEAD REMEDIATION PROJECT TO BE REMOVED. EXISTING WOOD FLOOR BELOW PLYWOOD TO REMAIN AND PREPARED FOR NEW PLYWOOD OVERCLADDING. ORIGINAL WOOD MEZZANINE STEPS BELOW OVERLAY TO REMAIN.
R79	SAW CUT AND REMOVE WOOD FLOORING ASSEMBLY AND SUBSTRATE TO EXPOSE TOP OF EXISTING WOOD SLEEPERS. PATCH AND REPAIR AS REQUIRED AND PREPARE SURFACE FOR INSTALLATION OF SCHEDULED FLOOR FINISH ASSEMBLY. VERIFY EXTENTS OF REMOVALS WITH ARCHITECTURAL PLANS PRIOR TO REMOVALS. ASSUME 2" +/- TYPICAL REMOVAL DEPTH OF EXISTING WOOD FLOOR AND WOOD SUBFLOOR. EXISTING WOOD SLEEPERS TO REMAIN.
R82	REMOVE TILE FLOORING AND MUD BED DOWN TO DEPTH REQUIRED TO RECEIVE SCHEDULED FINISH FLOOR. PREPARE SUBSTRATE TO RECEIVE SCHEDULED FINISH FLOOR.

RESTORATION KEYNOTES BY SHEET

KEYNOTE	COMMENT
C27	RESTORE EXISTING WOOD FLOORS TO REMAIN. SALVAGE AS REQ'D EXISTING HARDWOOD FLOORS IN SPACES SCHEDULED TO BE REMOVED. REFER TO WOOD FLOOR REHABILITATION GENERAL NOTES ON AD-001.
C27A	EXISTING WOOD FLOORS WITH ENCAPSULATING PAINT TO REMAIN.
C27B	EXISTING PAINTED RAISED STEPS IN MEZZANINE TO REMAIN. REMOVE ENCAPSULATING PAINT AND RESTORE EXISTING FLOORS PER SPECIFICATIONS.
C40	GENERAL CLEANING OF ANY SOILED OR DISCOLORED AREAS OF EXISTING TERRAZZO

ANNEX STORAGE RM A201-A
ANNEX MEN'S TOILET A201-B
ANNEX 7TH FIN OFF A201
CIVIL AIR PATROL OFF A202
9'-8" V.I.F.
UP

1 **SECOND FLOOR PLAN - SECTOR 2&3**
1/8" = 1'-0"

SECTORS

KEY PLAN

FLOOR REMOVALS GENERAL NOTES

1. AD-700 SHEETS DENOTE FLOOR REMOVALS ONLY. REFER TO A-100 SHEETS FOR GENERAL ARCHITECTURAL REMOVALS.
2. REFER TO AD-002 FOR COMPLETE LIST OF REMOVAL AND RESTORATION KEYNOTES.
3. EXISTING & NEW EPOXY FLOORS ADDED AS PART OF THE LEAD REMEDIATION PROJECT TO REMAIN; REFER TO A-700 FOR MORE INFO
4. SEE REHABILITATION NOTES FOR EXISTING FINISH FLOOR TO REMAIN, COORDINATE WITH SPECIFICATIONS 024296, 060140, AND 090160.61.
5. SEE PROBE AND CORE REPORTS EXECUTED PRIOR TO CONSTRUCTION FOR ADDITIONAL INFORMATION OF EXISTING CONDITIONS THROUGHOUT THE BUILDING.
6. REFER TO A-032 FOR TYPICAL HORIZONTAL FLOOR ASSEMBLIES

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT ... STATE OF NEW YORK
EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
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0	02-29-2024	BID SET

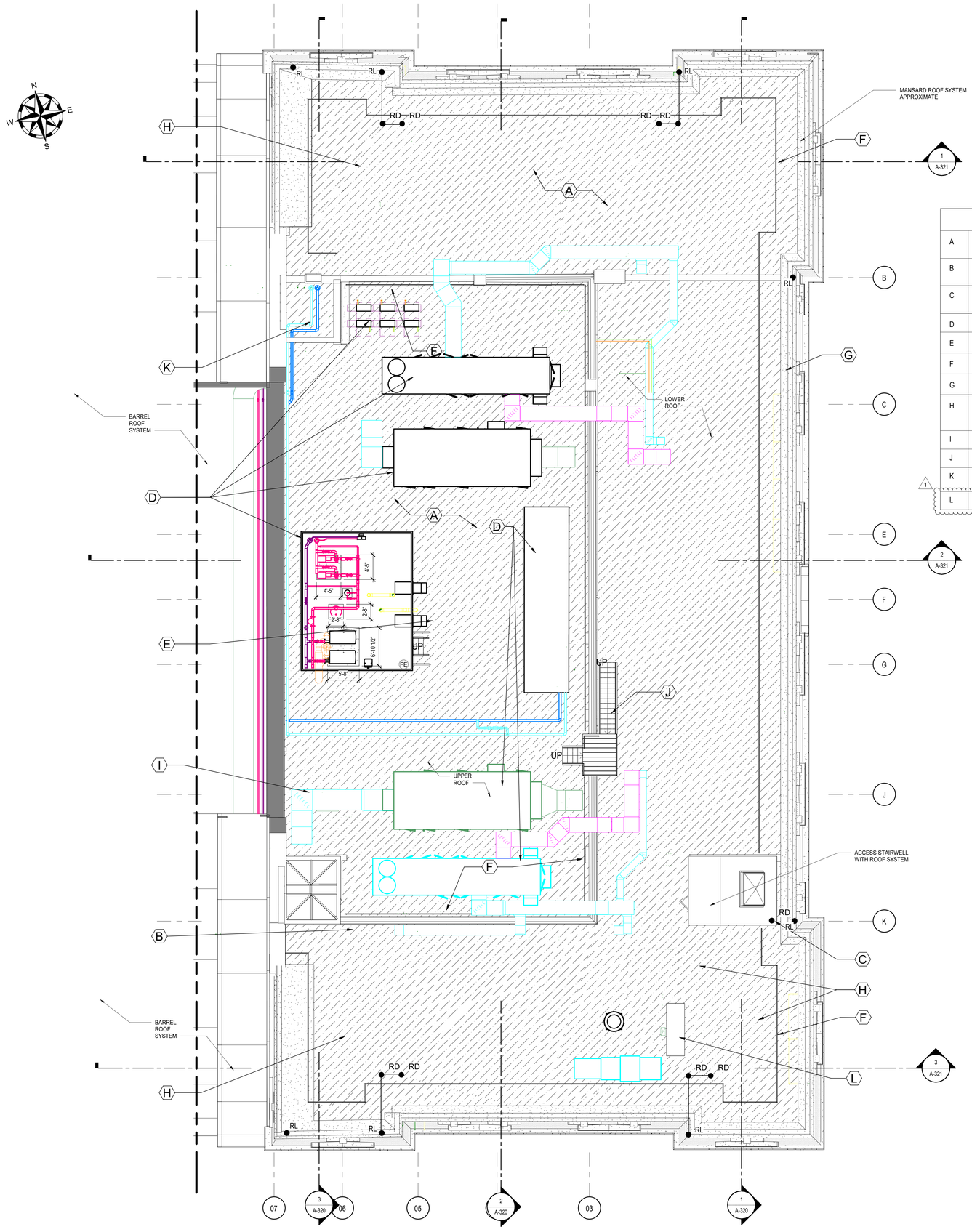
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: SECOND FLOOR FINISH REMOVAL PLANS - SECTOR 2&3

DRAWING NUMBER: AD-722

SHEET: OF

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ROOF IMPROVEMENTS LEGEND

A	PROVIDE APPROVED 1" VIP INSULATION BASE LAYER WITH TAPERED POLYISOCYANURATE ON TOP FOR SLOPE ADHERED ONLY. TO ACHIEVE SLOPES INDICATED AND A MINIMUM AVERAGE R-VALUE OF R-32 PROVIDE 5/8" COVER BOARDS AND LIQUID MEMBRANE ROOF SYSTEM.
B	PROVIDE TAPERED INSULATION DIAMOND CRICKETS, AND BACK SLOPES WHERE INDICATED AND AS REQUIRED TO PROVIDE POSITIVE DRAINAGE PANELS AT 1/8" PER FOOT MINIMUM TO ROOF DRAINS.
C	PROVIDE ROOF DRAIN ASSEMBLIES WITH COVER DOME. CONNECT ROOF DRAIN TO EXISTING ROOF LEADER. PROVIDE NEW PIPE FROM THE DRAIN TO THE SECOND ELBOW OR 10" WHICH EVER EXISTS FIRST.
D	SEE STRUCTURAL DRAWING S-171 FOR CURB INFORMATION.
E	SEE STRUCTURAL DRAWING S-161 FOR INFILL INFORMATION.
F	PROVIDE FIXED RAIL SAFETY SYSTEM, SEE A-511.
G	PROVIDE PRE-FINISHED COPING AND FASCIA, SEE A-175.
H	SEE STRUCTURAL DRAWINGS S-161 FOR INFILL INFORMATION PROVIDE APPROVED 1" VIP INSULATION BASE LAYER WITH TAPERED POLYISOCYANURATEON TOP FOR SLOPE ADHERED ONLY. TO ACHIEVE SLOPES INDICATED AND A MINIMUM AVERAGE R-VALUE OF R-32. PROVIDE 5/8" COVER BOARDS AND LIQUID MEMBRANE ROOF SYSTEM. INCLUDING PRE-FINISHED COPING AND FASCIA.
I	PROVIDE ALL NECESSARY ROOF PENETRATION BOOTS AND/OR FLASHING SYSTEMS.
J	PROVIDE GALVANIZED STEEL STAIR, HANDRAIL AND LANDING SYSTEM BETWEEN LOWER AND UPPER ROOF DECKS. SEE A-511.
K	PROVIDE SIMILAR ROOFING SYSTEM OVER MAIN ADMINISTRATIVE BUILDING. INCLUDE FORMED ALUMINUM SOFFIT AND FASCIA SYSTEMS SEE A-175.
1 L	CAP CHIMNEY PER DETAIL 10-A511.

ROOF DRAINAGE KEY

- (H) HIGH POINT / RIDGE LINE
- RD ROOF DRAIN
- SLOPE / DRAINAGE PATH

1 ADMINISTRATION BUILDING ROOF PLAN - IMPROVEMENTS LAYOUT
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION: 1329455

M&P ENGINEERING AND LAND SURVEYING

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STATE OF NEW YORK · MICHAEL OLSZEWSKI · 104085 · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: 7/31/2026

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION / ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

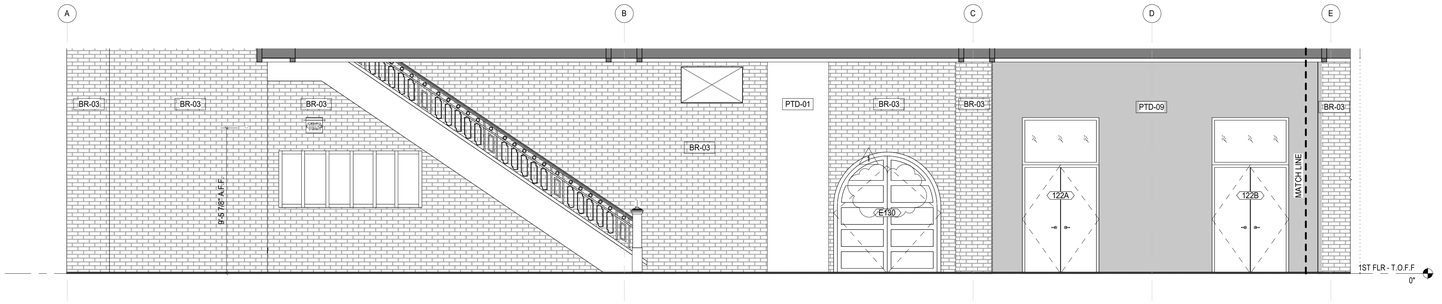
PROJECT NUMBER:	47166-C
DESIGNED BY:	MPO
DRAWN BY:	PGR
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: ADMINISTRATION BUILDING ROOF PLAN IMPROVEMENTS LAYOUT

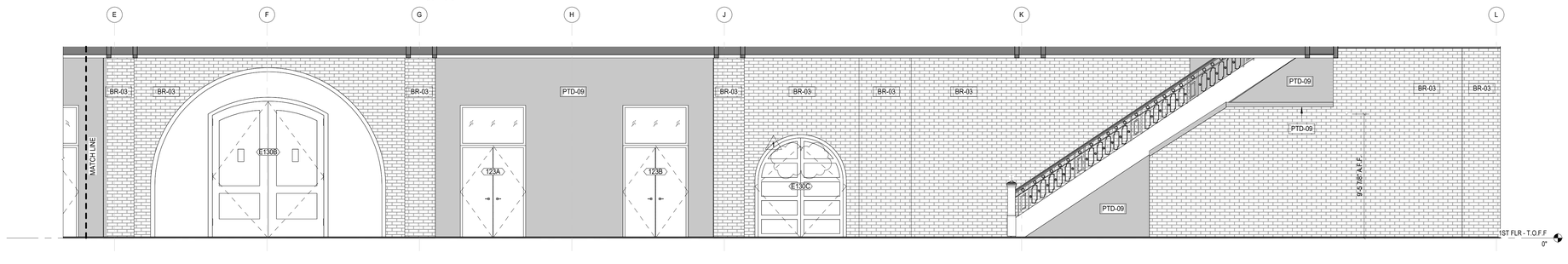
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SHEET: OF

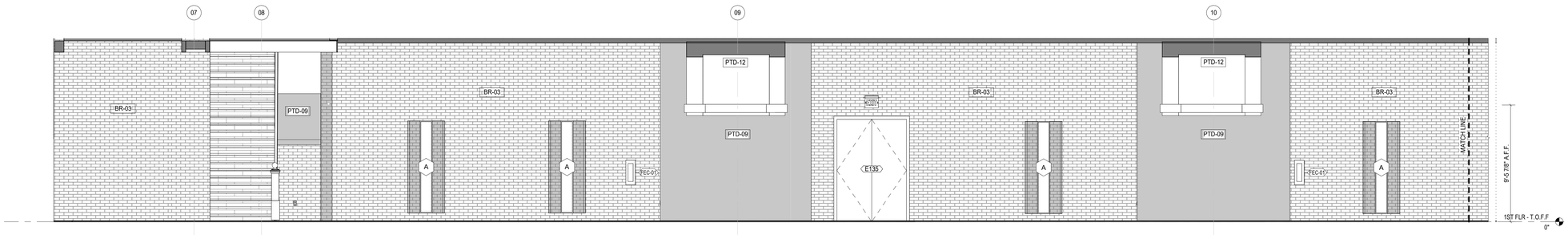
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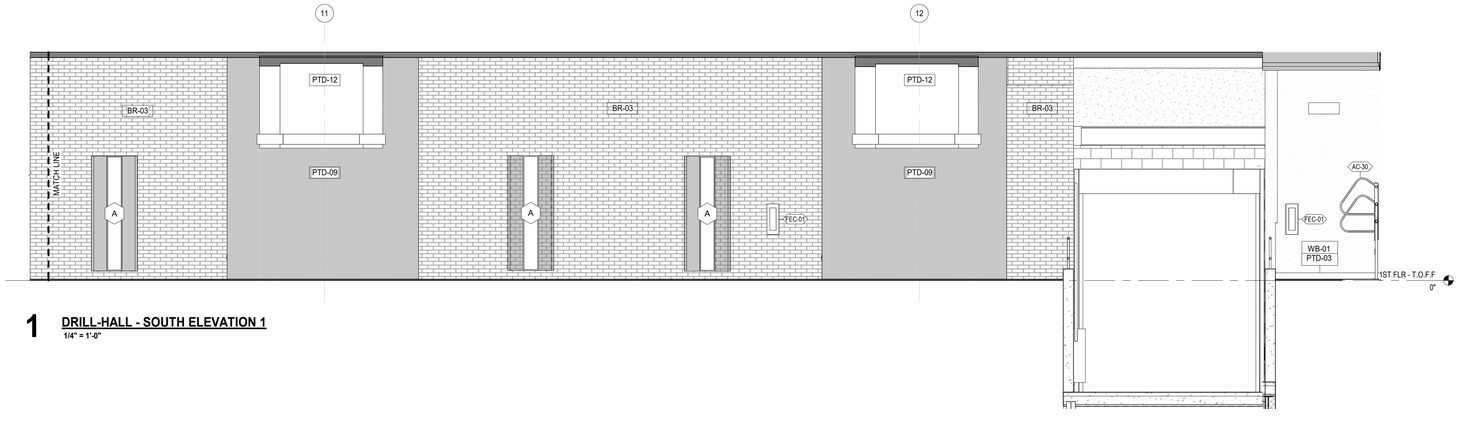
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1/4" = 1'-0"



3 DRILL HALL - EAST ELEVATION 1
1/4" = 1'-0"



2 DRILL-HALL - SOUTH ELEVATION 2
1/4" = 1'-0"



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

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42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT JOSEPH PONTARELLI 031001 STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

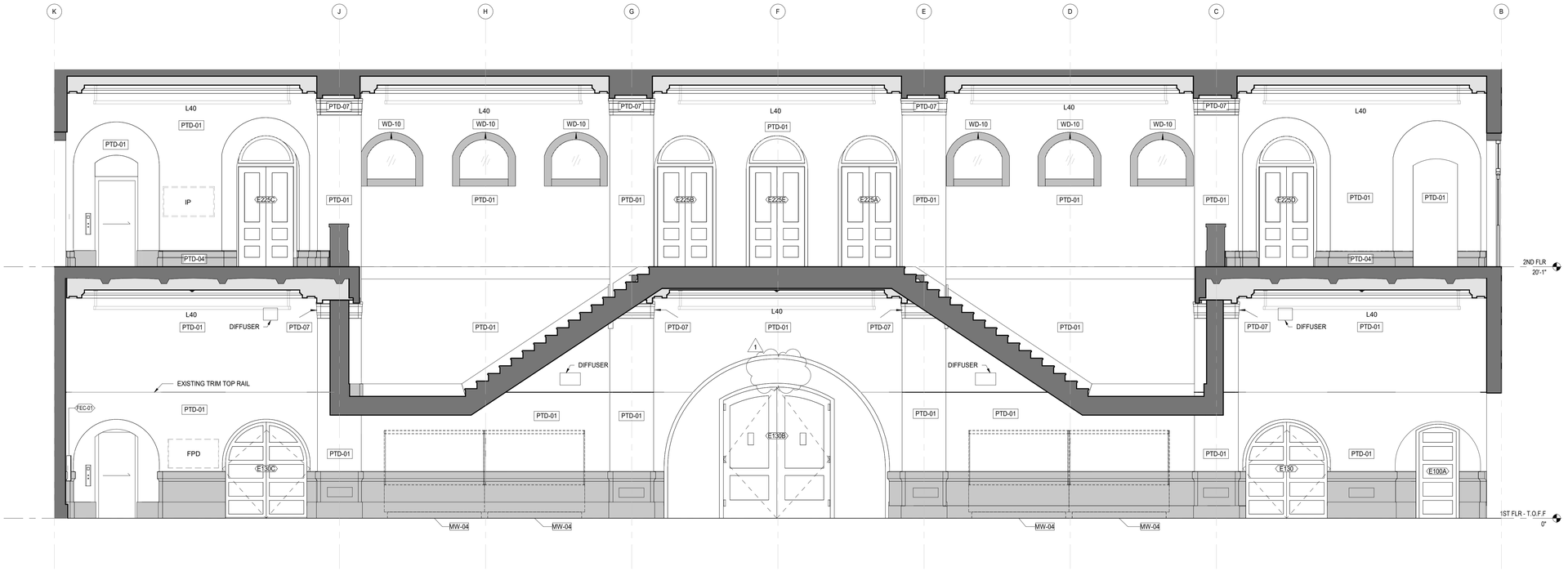
MARK	DATE	DESCRIPTION
1	06-07-2024	ADDENDUM 05
0	02-29-2024	BID SET

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

SHEET TITLE:
INTERIOR ELEVATIONS - SECTOR 2 - 1ST FLR DRILL-HALL

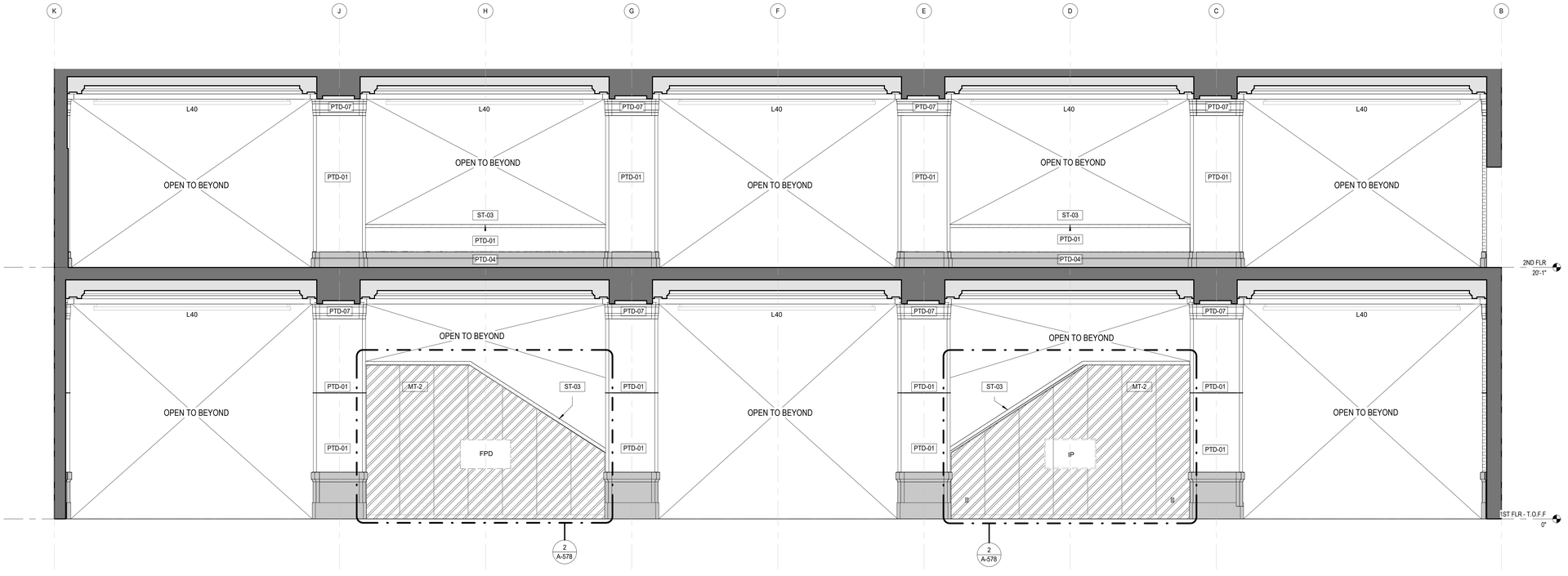
DRAWING NUMBER:
A-404

SHEET: OF



2 ENTRY HALL 101 WEST 2

1/4" = 1'-0"



1 ENTRY HALL 101 WEST 1

1/4" = 1'-0"

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
6/6/2024 11:35:51 AM
42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

UNIFORM CODE WRITTEN STATEMENT:
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REGISTERED ARCHITECT — 031001 — STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

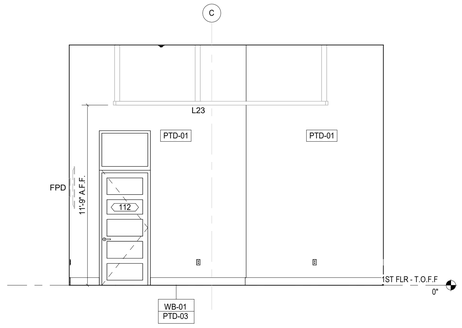
MARK	DATE	DESCRIPTION
1	06-07-2024	ADDENDUM 05
0	02-29-2024	BID SET

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

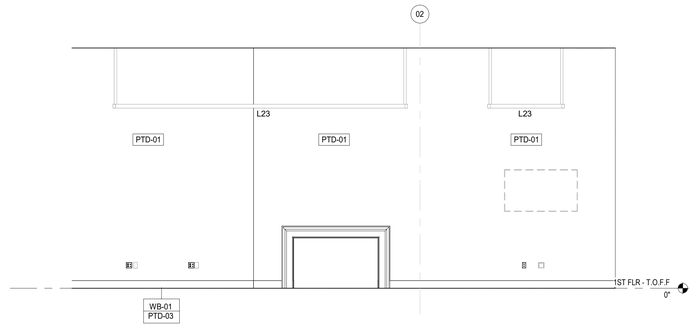
SHEET TITLE:
INTERIOR ELEVATIONS - SECTOR 1 - 1ST & 2ND FLR - ENTRY HALL WEST

DRAWING NUMBER:
A-408

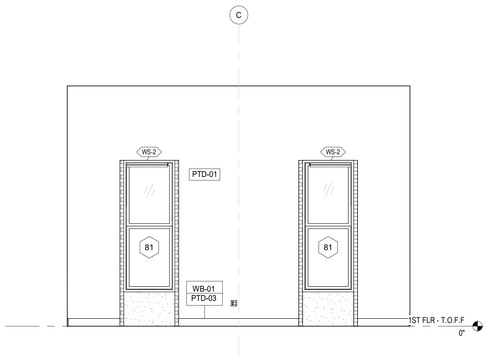
SHEET: OF



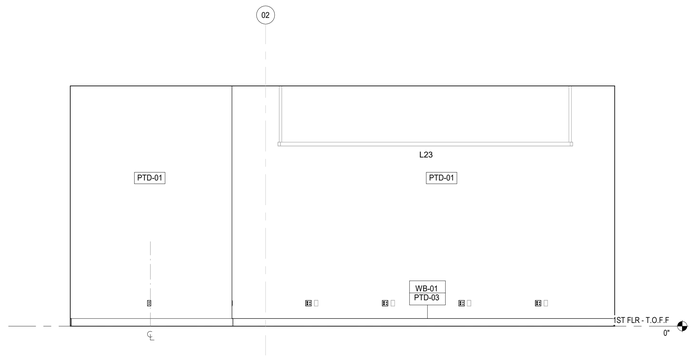
8 RECRUITING/RETENTION - WEST ELEVATION
1/4" = 1'-0"



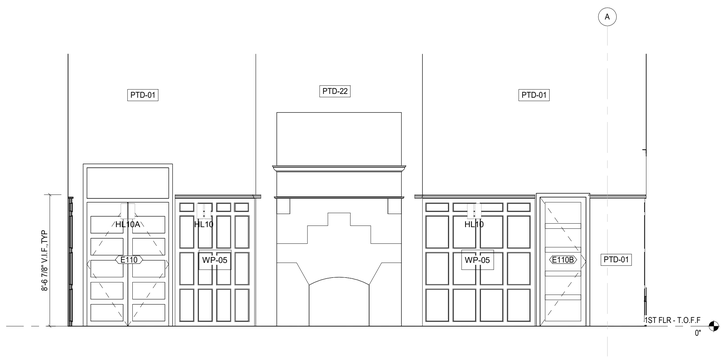
7 RECRUITING/RETENTION - SOUTH ELEVATION
1/4" = 1'-0"



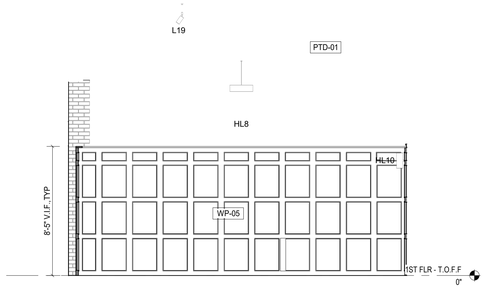
6 RECRUITING/RETENTION - EAST ELEVATION
1/4" = 1'-0"



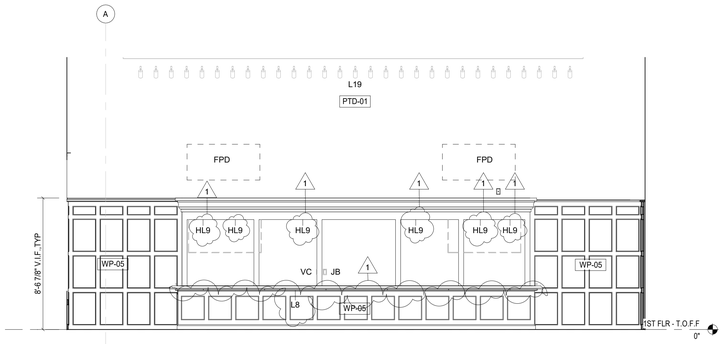
5 RECRUITING/RETENTION - NORTH ELEVATION
1/4" = 1'-0"



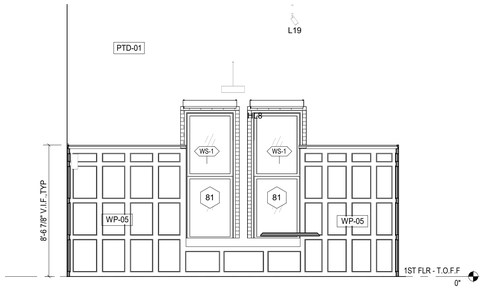
4 GARRYOWEN CLUB - WEST ELEVATION
1/4" = 1'-0"



3 GARRYOWEN CLUB - SOUTH ELEVATION
1/4" = 1'-0"



2 GARRYOWEN CLUB - EAST ELEVATION
1/4" = 1'-0"



1 GARRYOWEN CLUB - NORTH ELEVATION
1/4" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT JOHN PAUL RAMOS STATE OF NEW JERSEY

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

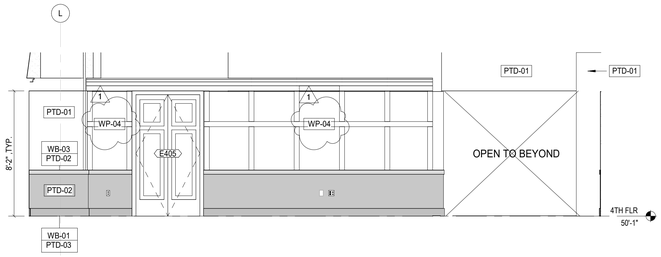
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
INTERIOR ELEVATIONS - SECTOR 1 - 1ST FLR - GARRYOWEN CLUB & R&R RM

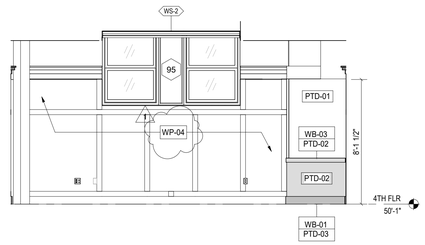
DRAWING NUMBER:
A-414

SHEET: OF

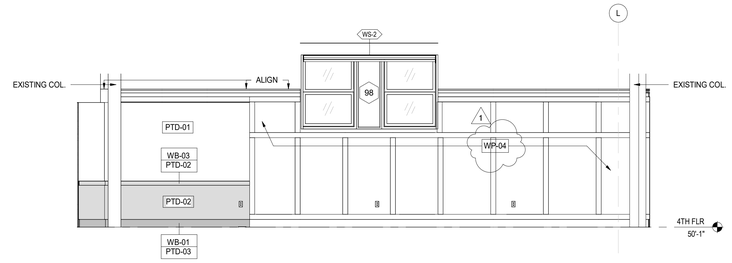
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42x30 PLOT SHEET



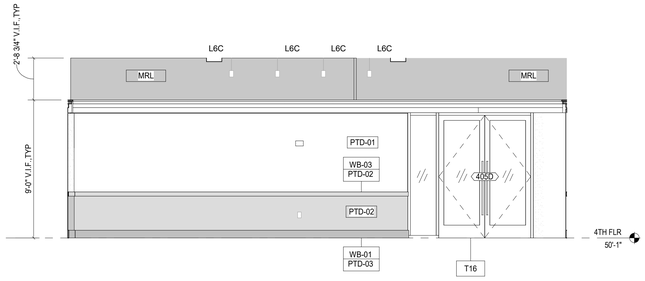
11 HHC CO - OPEN OFFICES - WEST ELEVATION
1/4" = 1'-0"



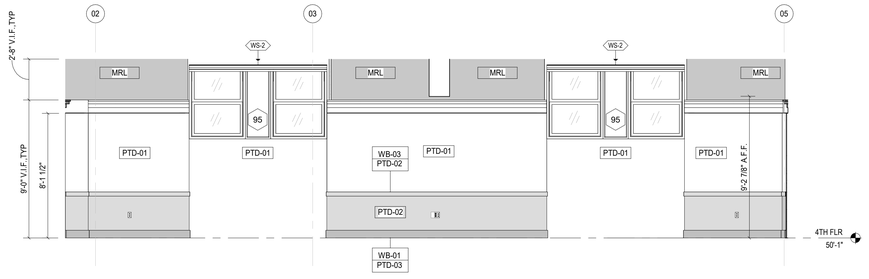
10 HHC CO - OPEN OFFICES - SOUTH ELEVATION
1/4" = 1'-0"



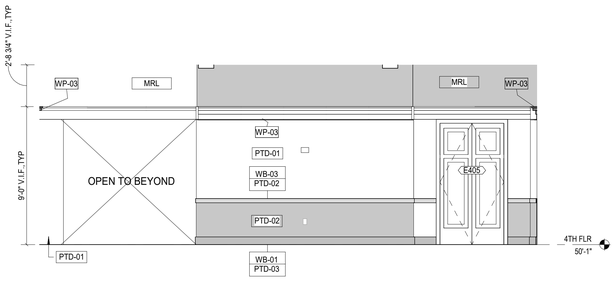
9 HHC CO - OPEN OFFICES - EAST ELEVATION
1/4" = 1'-0"



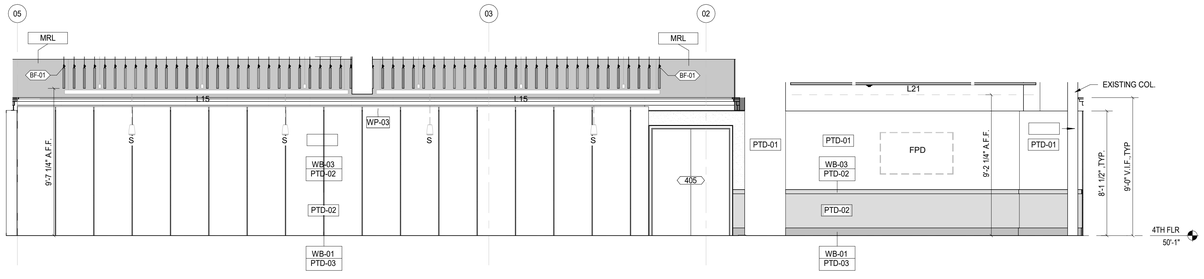
8 HHC CO - CLASSROOM - WEST ELEVATION
1/4" = 1'-0"



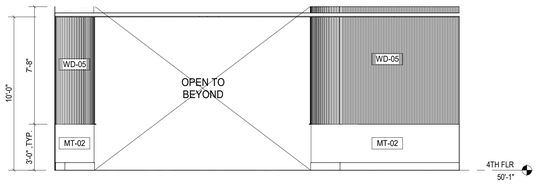
7 HHC CO - CLASSROOM - SOUTH ELEVATION
1/4" = 1'-0"



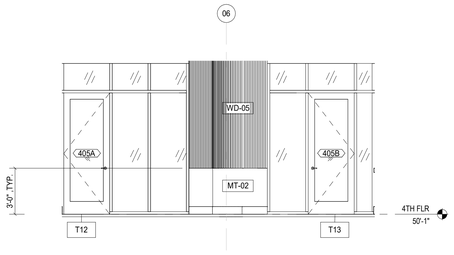
6 HHC CO - CLASSROOM - EAST ELEVATION
1/4" = 1'-0"



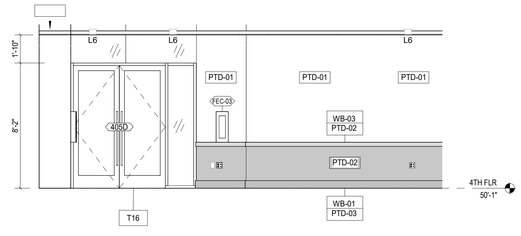
5 HHC CO - CLASSROOM - NORTH ELEVATION
1/4" = 1'-0"



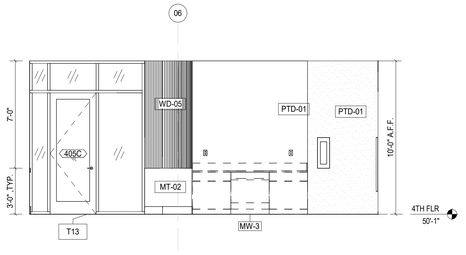
4 HHC CO - PRIVATE OFFICES - WEST ELEVATION
1/4" = 1'-0"



3 HHC CO - PRIVATE OFFICES - SOUTH ELEVATION
1/4" = 1'-0"



2 HHC CO - PRIVATE OFFICES - EAST ELEVATION
1/4" = 1'-0"



1 HHC CO - PRIVATE OFFICES - NORTH ELEVATION
1/4" = 1'-0"

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6/6/2024 11:36:06 AM
42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT — 031551 — STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER
ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

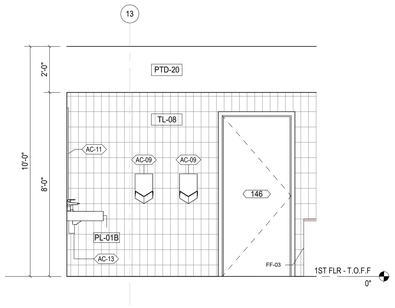
SHEET TITLE:
INTERIOR ELEVATIONS - SECTOR 1 - 4TH FLR - COMPANY RMS

DRAWING NUMBER:
A-424

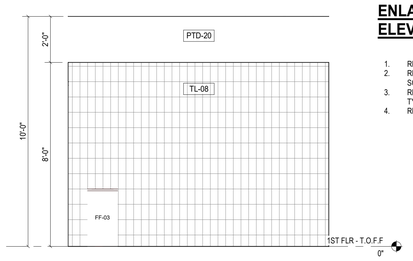
SHEET: OF

ENLARGED RESTROOM PLANS AND ELEVATIONS GENERAL NOTES

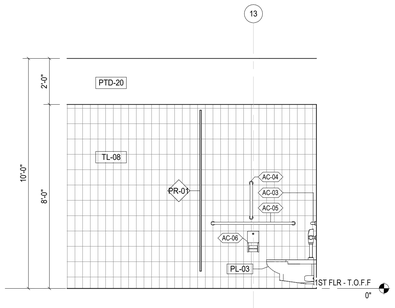
1. REFER TO FINISH SCHEDULE ON SHEET A-600
2. REFER TO EQUIPMENT, FIXTURE, AND ACCESSORY SCHEDULE ON SHEET A-603
3. REFER TO MILLWORK DRAWINGS A-570-SERIES FOR TYPICAL MILLWORK DETAILS
4. REFER TO TYPICAL FIXTURE MOUNTING HEIGHTS ON A-010



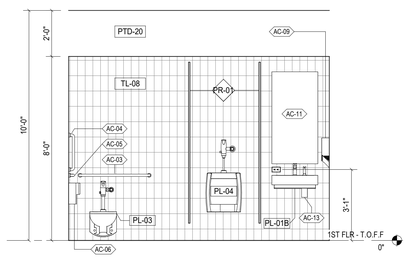
12 NORTH ELEVATION - MEN'S RESTOOM - 146
3/8" = 1'-0"



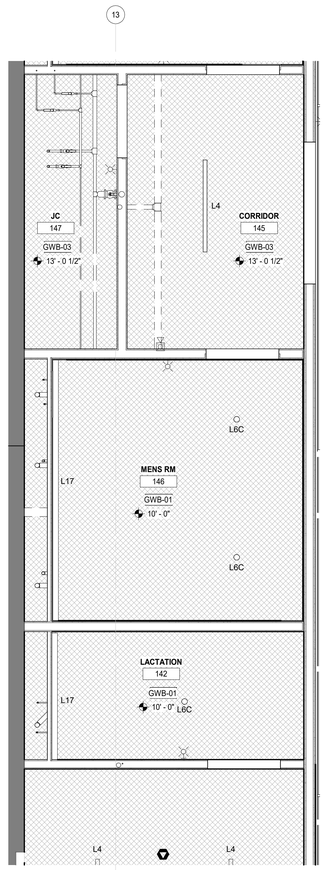
11 EAST ELEVATION - MEN'S RESTROOM 146
3/8" = 1'-0"



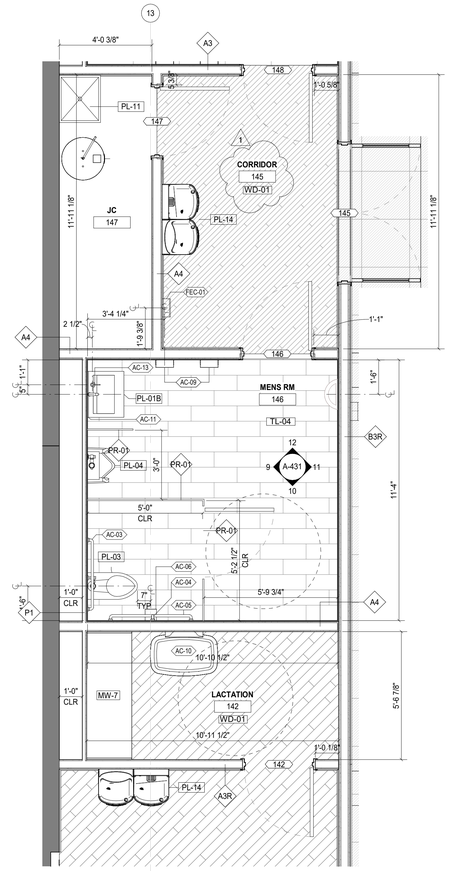
10 SOUTH ELEVATION - MEN'S RESTROOM 146
3/8" = 1'-0"



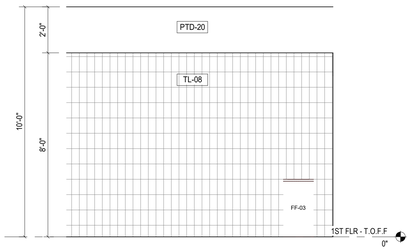
9 WEST ELEVATION - MEN'S RESTROOM 146
3/8" = 1'-0"



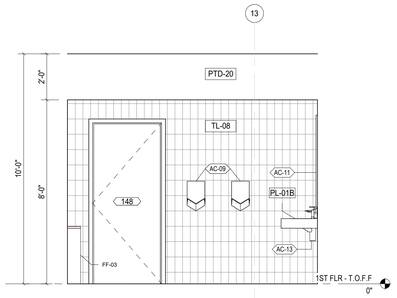
8 ENLARGED RCP - MEN'S RESTROOM 146
3/8" = 1'-0"



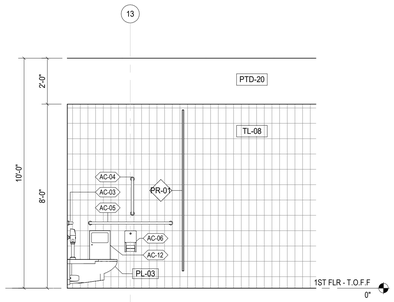
7 ENLARGED PLAN - MEN'S RESTROOM 146
3/8" = 1'-0"



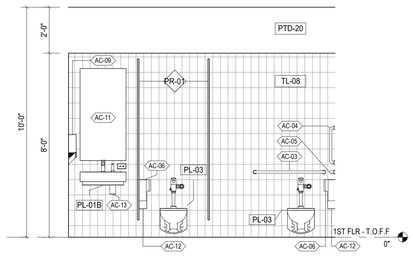
6 EAST ELEVATION - WOMEN'S RESTROOM 148
3/8" = 1'-0"



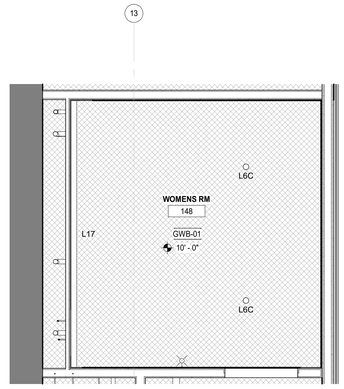
5 SOUTH ELEVATION - WOMEN'S RESTROOM 148
3/8" = 1'-0"



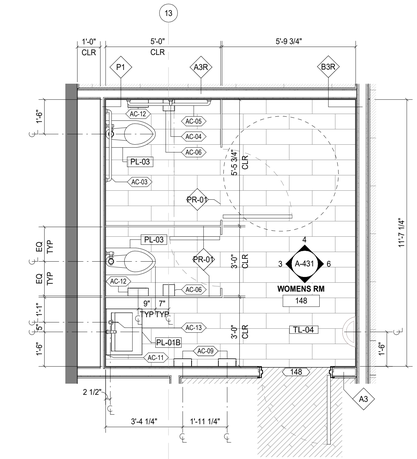
4 NORTH ELEVATION - WOMEN'S RESTROOM 148
3/8" = 1'-0"



3 WEST ELEVATION - WOMEN'S RESTROOM 148
3/8" = 1'-0"



2 ENLARGED RCP - WOMEN'S RESTROOM 148
3/8" = 1'-0"



1 ENLARGED PLAN - WOMEN'S RESTROOM 148
3/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

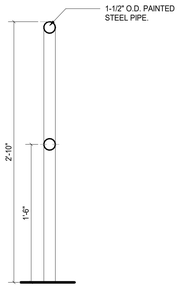
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
ENLARGED PLANS & RCP & ELEVATIONS - DRILL HALL RESTROOMS

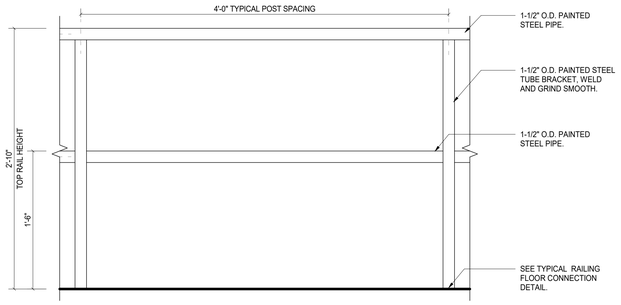
DRAWING NUMBER:
A-431

SHEET: OF

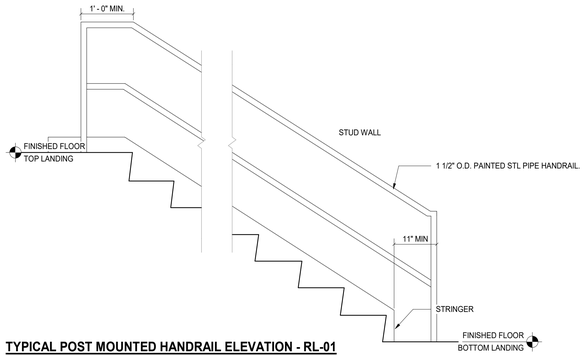
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6/7/2024 10:53:05 AM
42x30 PLOT SHEET



15 **TYPICAL SECTION DETAIL - RL-01**
1 1/2" = 1'-0"



14 **TYPICAL ENLARGED ELEVATION MODULE - RL-01**
1 1/2" = 1'-0"

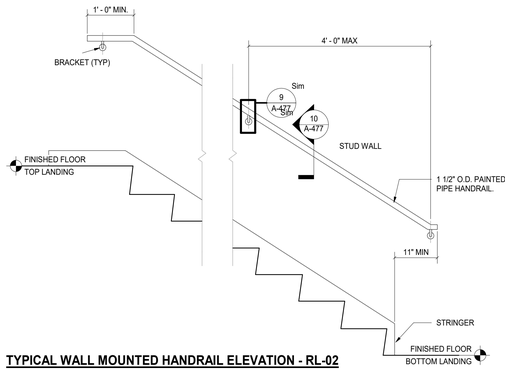


13 **TYPICAL POST MOUNTED HANDRAIL ELEVATION - RL-01**
3/4" = 1'-0"

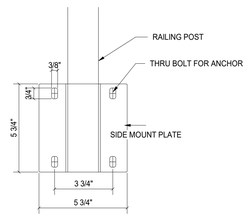
Railing Schedule

Type Mark	Description	Comments
RL-01	GALVANIZED STEEL PIPE RAILING	<varies>
RL-01A	PAINTED STEEL PIPE RAILING	
RL-02	WALL MOUNTED PAINTED STEEL HANDRAIL	SEE SHEET A-477 FOR TYPICAL DETAILS
RL-03	METAL RAILING, RECTANGULAR PROFILE ON POSTS.	SEE SHEET A-510 FOR DETAILS.
RL-04	STAINLESS STEEL SQUARE PIPE RAILING WITH VERTICAL PICKETS.	NEW GUARDRAIL FOR OFFICE STAIR.
RL-MZ	SS TUBE POST WITH ROD INFILL RAILING	NEW RAILING AT DRILL HALL MEZZANINE SEE A-691

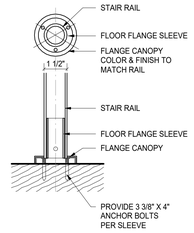
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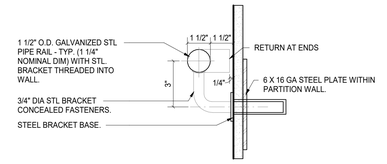
12 **TYPICAL WALL MOUNTED HANDRAIL ELEVATION - RL-02**
3/4" = 1'-0"



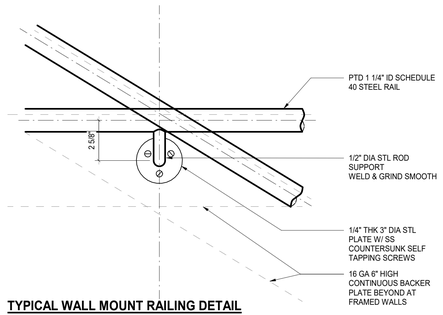
16 **TYPICAL POST SIDE MOUNT PLATE**
3" = 1'-0"



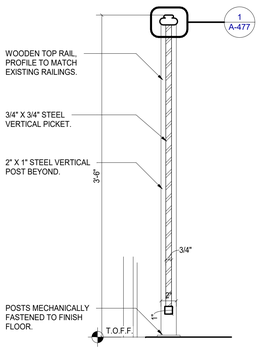
11 **TYP RAILING FLOOR CONNECTION - RL-01**
3" = 1'-0"



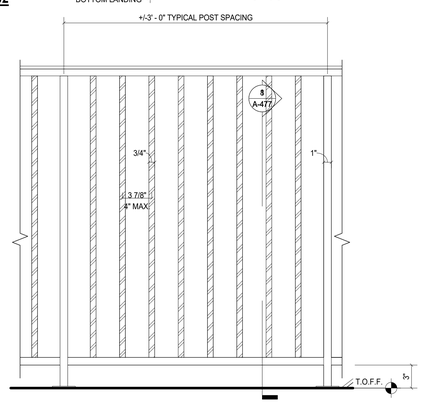
10 **SECTION DETAIL - TYPICAL WALL MOUNTED BRACKET**
3" = 1'-0"



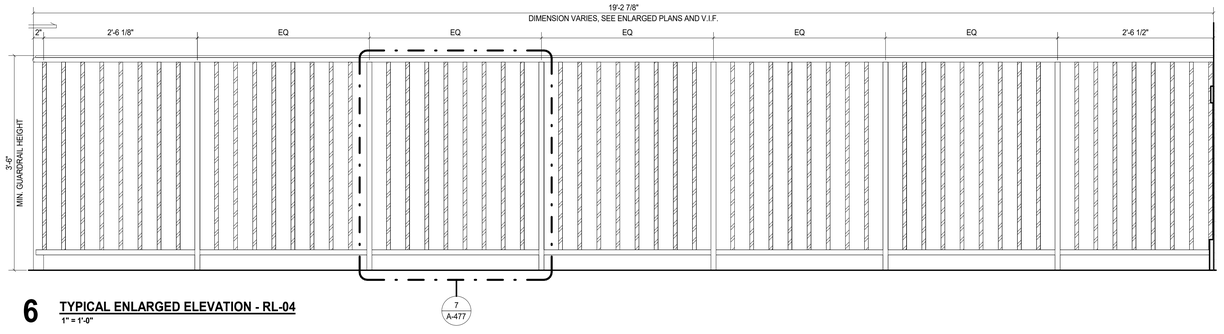
9 **TYPICAL WALL MOUNT RAILING DETAIL**
3" = 1'-0"



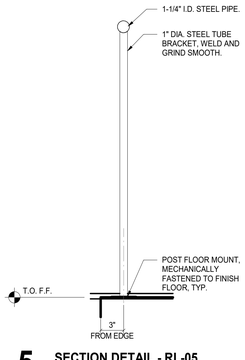
8 **SECTION DETAIL - RL-04**
1 1/2" = 1'-0"



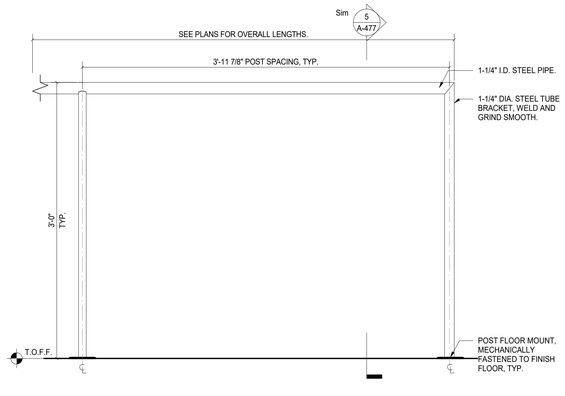
7 **ENLARGED ELEVATION - RL-04**
1 1/2" = 1'-0"



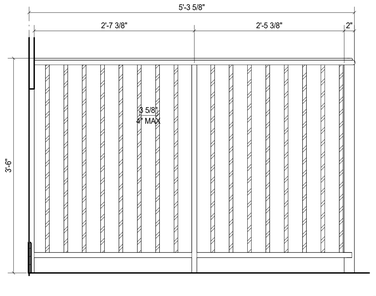
6 **TYPICAL ENLARGED ELEVATION - RL-04**
1" = 1'-0"



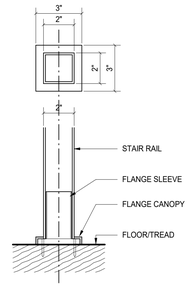
5 **SECTION DETAIL - RL-05**
1 1/2" = 1'-0"



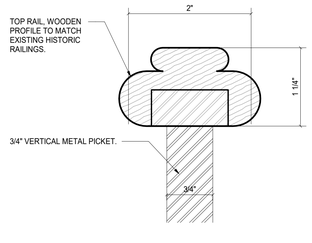
4 **ELEVATION DETAIL - TYPICAL MODULE - RL-05**
1 1/2" = 1'-0"



3 **ENLARGED ELEVATION RL-03 AT C CO 302**
1" = 1'-0"



2 **TYP RAILING FLOOR CONNECTION - RL-04**
3" = 1'-0"



1 **ENLARGED SECTION DETAIL - RL-04**
12" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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

ENERGY CODE WRITTEN STATEMENT:
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WARNING:

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REGISTERED ARCHITECT 031921 STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE:

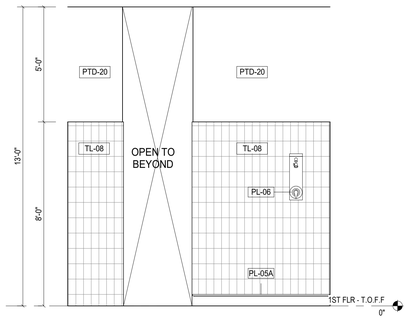
RAILING DETAILS

DRAWING NUMBER:

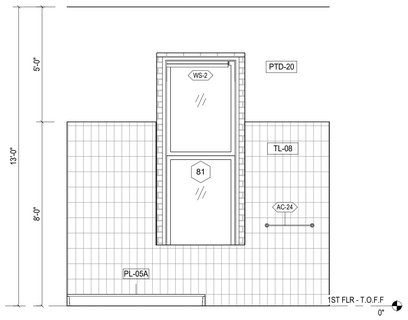
A-477

SHEET: OF

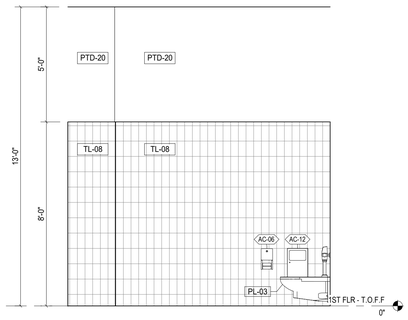
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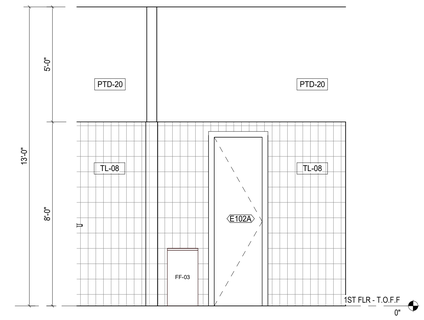
14 WEST ELEVATION - REGIMENTAL HQ SHOWER 102A
3/8" = 1'-0"



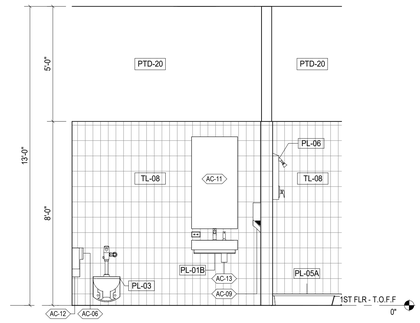
13 EAST ELEVATION - REGIMENTAL HQ SHOWER 102A
3/8" = 1'-0"



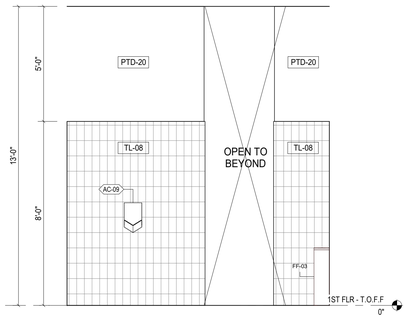
12 WEST ELEVATION - REGIMENTAL HQ RESTROOM 102A
3/8" = 1'-0"



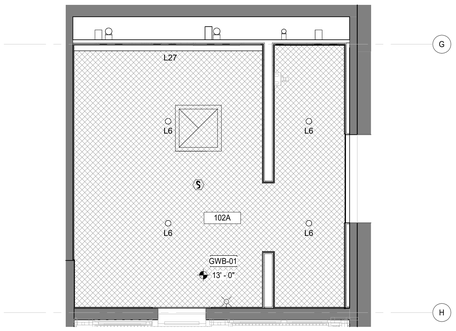
11 SOUTH ELEVATION - REGIMENTAL HQ RESTROOM 102A
3/8" = 1'-0"



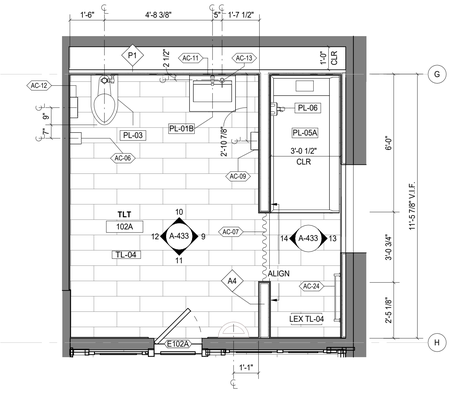
10 NORTH ELEVATION - REGIMENTAL HQ RESTROOM 102A
3/8" = 1'-0"



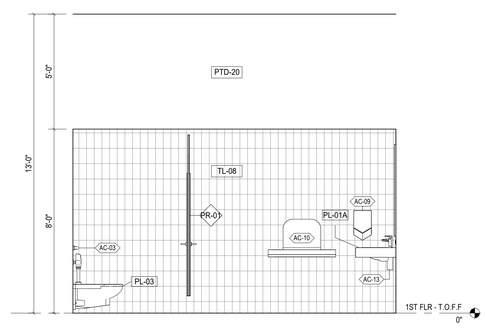
9 EAST ELEVATION - REGIMENTAL HQ RESTROOM 102A
3/8" = 1'-0"



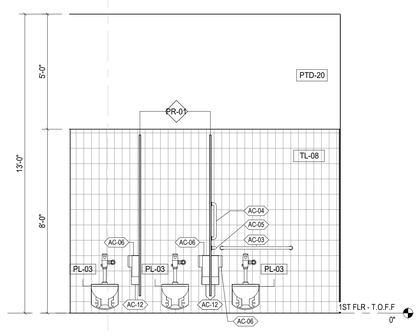
8 ENLARGED RCP - REGIMENTAL HQ RESTROOM 102A
3/8" = 1'-0"



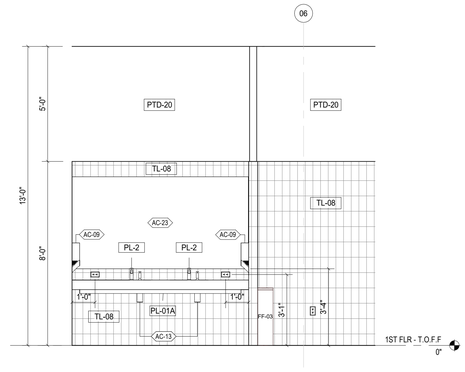
7 ENLARGED PLAN - REGIMENTAL HQ RESTROOM 102A
3/8" = 1'-0"



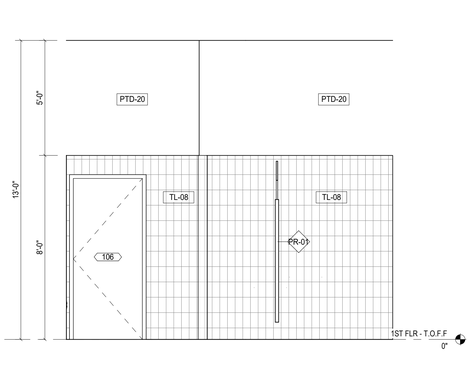
6 WEST ELEVATION - WOMEN'S RESTROOM 106
3/8" = 1'-0"



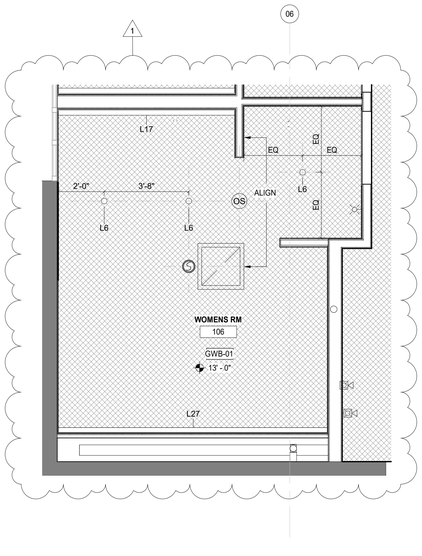
5 SOUTH ELEVATION - WOMEN'S RESTROOM 106
3/8" = 1'-0"



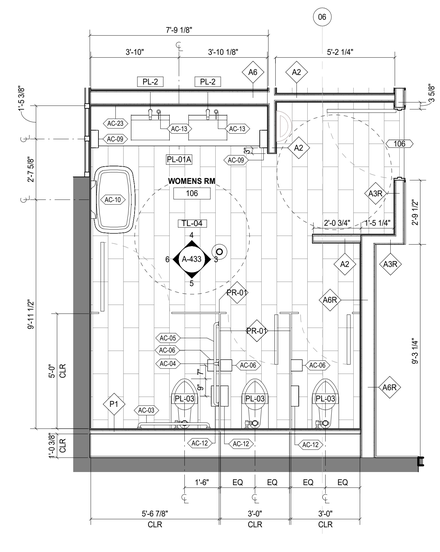
4 NORTH ELEVATION - WOMEN'S RESTROOM 106
3/8" = 1'-0"



3 EAST ELEVATION - WOMEN'S RESTROOM 106
3/8" = 1'-0"



2 ENLARGED RCP - WOMEN'S RESTROOM 106
3/8" = 1'-0"



1 ENLARGED PLAN - WOMEN'S RESTROOM 106
3/8" = 1'-0"

ENLARGED RESTROOM PLANS AND ELEVATIONS GENERAL NOTES

1. REFER TO FINISH SCHEDULE ON SHEET A-600
2. REFER TO EQUIPMENT, FIXTURE, AND ACCESSORY SCHEDULE ON SHEET A-603
3. REFER TO MILLWORK DRAWINGS A-570-SERIES FOR TYPICAL MILLWORK DETAILS
4. REFER TO TYPICAL FIXTURE MOUNTING HEIGHTS ON A-010

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT 031351 STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

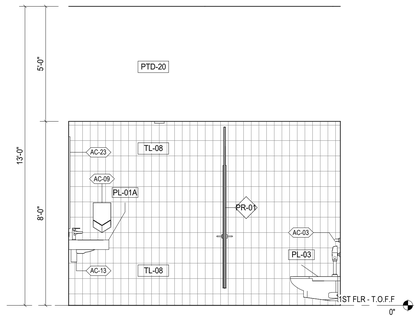
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
ENLARGED PLANS & RCP & ELEVATIONS - 1ST FLR RESTROOMS (1/2)

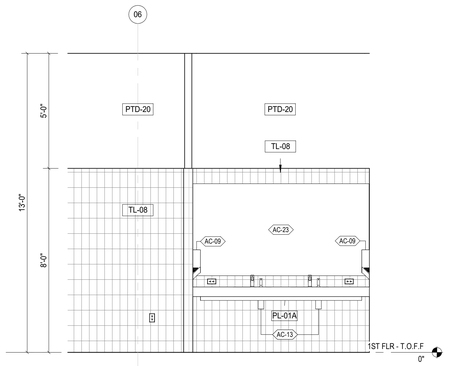
DRAWING NUMBER:
A-433

SHEET: OF

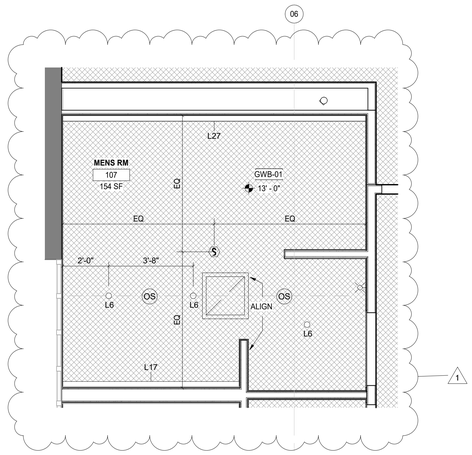
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42x30 PLOT SHEET



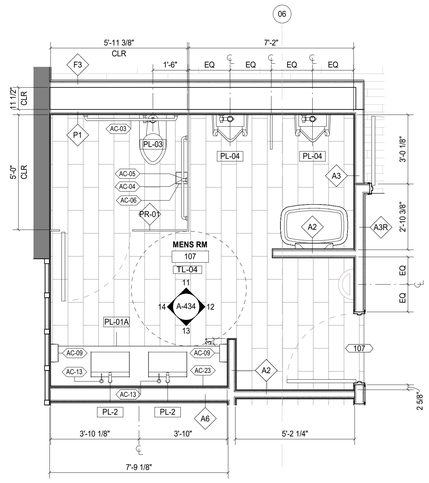
14 WEST ELEVATION - MEN'S RESTROOM 107
3/8" = 1'-0"



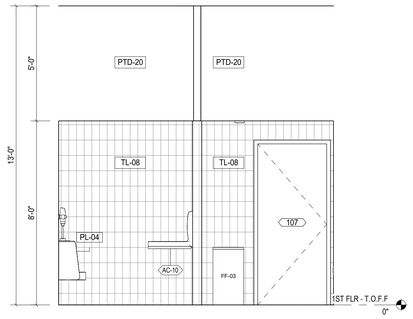
13 SOUTH ELEVATION - MEN'S RESTROOM 107
3/8" = 1'-0"



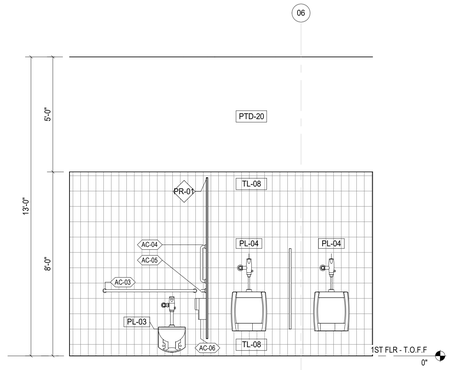
10 ENLARGED RCP - MEN'S RESTROOM 107
3/8" = 1'-0"



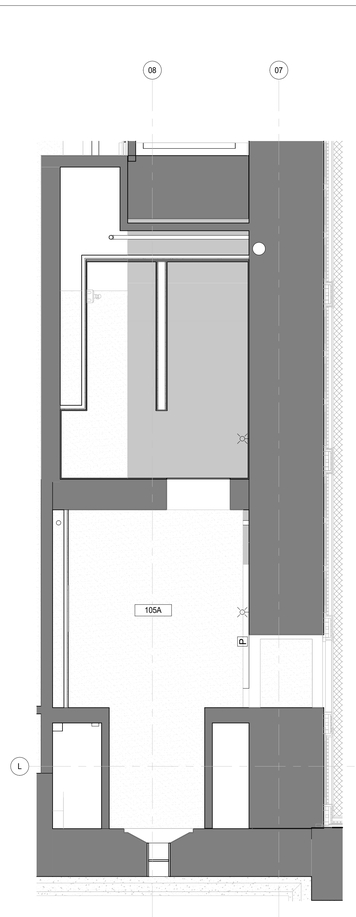
9 ENLARGED PLAN - MEN'S RESTROOM 107
3/8" = 1'-0"



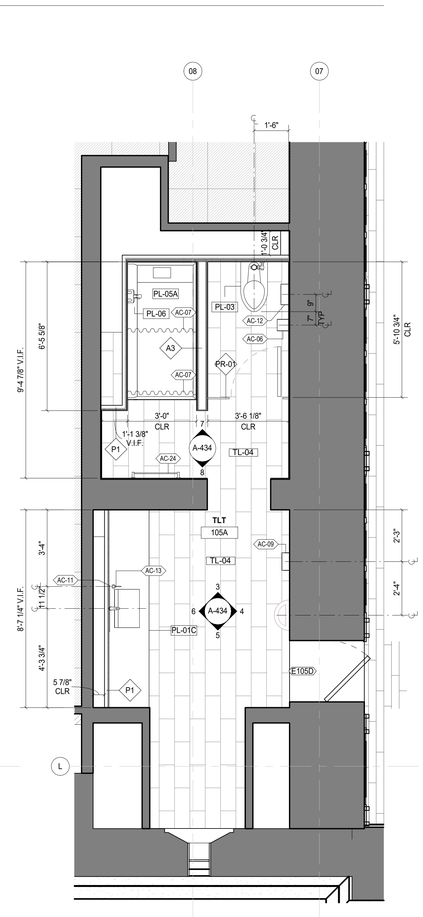
12 EAST ELEVATION - MEN'S RESTROOM 107
3/8" = 1'-0"



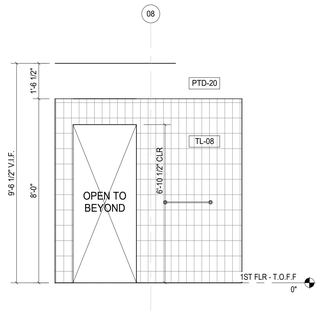
11 NORTH ELEVATION - MEN'S RESTROOM 107
3/8" = 1'-0"



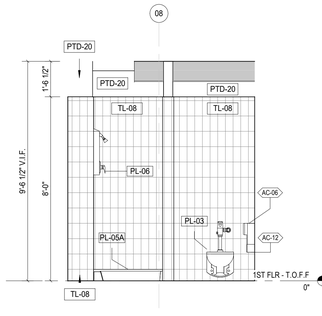
2 ENLARGED RCP - CMD SERGEANT RESTROOM 105A
3/8" = 1'-0"



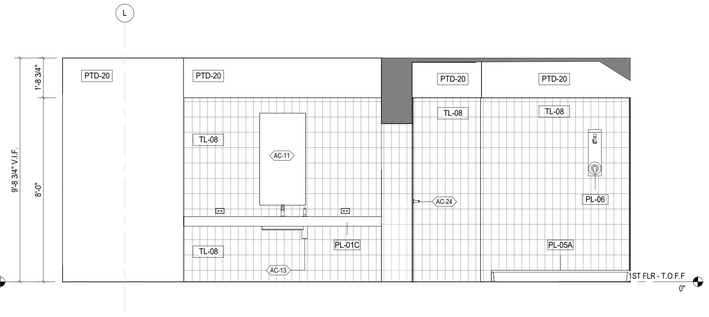
1 ENLARGED PLAN - CMD SERGEANT RESTROOM 105A
3/8" = 1'-0"



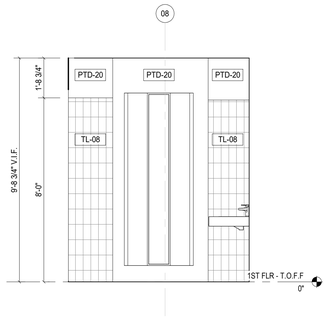
8 SOUTH ELEVATION - CMD SERGEANT SHOWER 105A
3/8" = 1'-0"



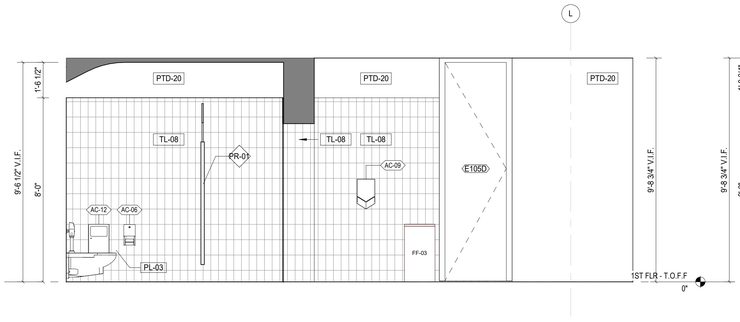
7 NORTH ELEVATION - CMD SERGEANT SHOWER 105A
3/8" = 1'-0"



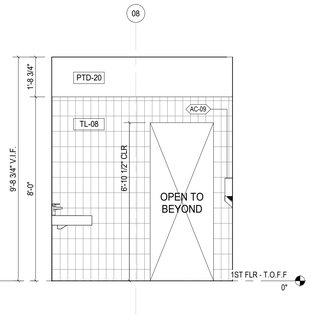
6 WEST ELEVATION - CMD SERGEANT RESTROOM 105A
3/8" = 1'-0"



5 SOUTH ELEVATION - CMD SERGEANT RESTROOM 105A
3/8" = 1'-0"



4 EAST ELEVATION - CMD SERGEANT RESTROOM 105A
3/8" = 1'-0"



3 NORTH ELEVATION - CMD SERGEANT RESTROOM 105A
3/8" = 1'-0"

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NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT JOSEPH MARVEL 031201 STATE OF NEW JERSEY

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE:
ENLARGED PLANS & RCP & ELEVATIONS - 1ST FLR RESTROOMS (2/2)

DRAWING NUMBER:
A-434

SHEET: OF

_FINISH SCHEDULE

SPEC SECTION	MATERIAL ID	DESCRIPTION	TYP. LOCATION	BASIS-OF-DESIGN (BOD) MANUFACTURER	BOD MODEL	BOD COLOR	BOD FINISH	DIMENSIONS	COMMENTS
CONCRETE									
033000	CO-01	POURED CONCRETE WITH SEALANT AND STAIN	COMPANY ROOMS	SIKA	CHROMIX COLOR ADMIXTURE	1266 COOL GRAY	LOW-GLOSS		
033000	CO-03	EXPOSED CONCRETE DECK	CEILINGS						
033000	CO-04	POURED CONCRETE WITH SEALANT	BASEMENT						
096600.61	TZ-01	TERRAZZO - EXISTING TO BE RESTORED	CORRIDORS	EXISTING - N/A					EXISTING TERRAZZO FLOOR TO REMAIN AS NOTED. PATCH AND REPAIR AS REQ'D
096613	TZ-02	TERRAZZO - MAIN COLOR	ENTRY HALL, LOBBY, CORRIDORS	CONCRETE COLLABORATIVE	VENTURA PACIFICA	VERDE MIX			
096613	TZ-03	TERRAZZO - ACCENT COLOR	ENTRY HALL, LOBBY, CORRIDORS	CONCRETE COLLABORATIVE	VENICE TERRAZZO	VERDE MIX - ACCENT			
MASONRY									
042113	BR-01	EXPOSED EXTERIOR BRICK - EXISTING	EXTERIOR WALLS	EXISTING - N/A					
042113	BR-02	EXPOSED EXTERIOR BRICK - TO MATCH EXISTING	EXTERIOR WALLS	TO MATCH BR-01					
042113	BR-04	EXISTING INTERIOR BRICK	INTERIOR WALLS	EXISTING - N/A					
042113	BR-05	INTERIOR BRICK TO MATCH EXISTING	INTERIOR WALLS	TO MATCH BR-04					TO ROOM FINISH SCHEDULE FOR PAINT COLOR
STONE									
040121	ST-00	EXTERIOR GRANITE - EXISTING	EXTERIOR	EXISTING - N/A					CLEAN AND RESTORE
040121	ST-01	LIMESTONE - EXISTING	EXTERIOR	EXISTING - N/A					
044301	ST-02	LIMESTONE - TO MATCH EXISTING	EXTERIOR	TO MATCH ST-01					
090300.61 090300.61	ST-03	SLATE / BLUESTONE - EXISTING TO BE RESTORED	ENTRY HALL STAIRS	EXISTING - N/A					REFER TO SPEC 090300.61
WOOD									
090160.61	WD-00	WOOD FLOOR - EXISTING TO BE REMOVED - SALVAGE AS REQ'D FOR PATCH + REPAIR AT NOTED FLOORS TO REMAIN	AS NOTED - SEE REMOVAL DWGS	EXISTING N/A	N/A	N/A			EXISTING WOOD FLOOR TO REMAIN AS NOTED. PATCH AND REPAIR AS REQUIRED. REFINISH TO CONSISTENT FINISH PER SPECIFICATIONS
090160.61	WD-01	WOOD FLOOR - EXISTING TO BE RESTORED	THROUGHOUT	EXISTING - N/A		NATURAL STAIN		V.I.F.	REFER TO SPECS FOR WOOD FLOORING RESTORATION
090160.61	WD-02	WOOD FLOOR - INFILL TO MATCH ADJACENT EXISTING WOOD FLOOR	AS NOTED	MATCH WD-01	MATCH WD-01	MATCH WD-01	MATCH WD-01	MATCH WD-01	REFER TO SPECS
096429	WD-03	WOOD FLOOR - ENGINEERED WOOD PLANK	COMPANY ROOMS, OFFICES	TERRAMAI	MC WHITE OAK ENGINEERED FLOORING	POLY		5" FACE WIDTH	
1 090160.61	WD-04	WOOD FLOOR - EXISTING FLOORS AT DRILL SHED MEZZANINE	DRILL SHED MEZZANINE	EXISTING - N/A					ASSUME 60% TO BE REPLACED IN KIND. REFER TO SPECS FOR WOOD FLOORING RESTORATION
064000	WD-05	WOOD SLAT WALL	PRIVATE OFFICES	URBAN EVOLUTIONS	CURVED SLAT WOOD WALL PANEL	DARTSMOUTH GREEN 691			REFER TO DETAILS ON DRAWING A-550
060140	WD-06	WOOD MILLWORK - EXISTING	ENTRY HALL STAIR LANDINGS	EXISTING - N/A				10'-2" V.I.F.	REFER TO SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
1 096519	WD-07	PLYWOOD CLADDING- DRILL SHED MEZZANINE	DRILL SHED MEZZANINE	PLYWOOD N/A					
060140	WD-10	EXISTING WOOD FRAME TO BE RESTORED	THROUGHOUT	EXISTING - N/A					REFER TQ SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
060140	WP-02	EXISTING WOOD PANELING TYPE 2	2ND FLR ANNEX - NORTH STORAGE	EXISTING - N/A				V.I.F.	REFER TO SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
060140	WP-03	EXISTING WOOD PANELING TYPE 3	1ST FLR - PRIOROTY HISTORIC SPACES	EXISTING - N/A				11'-2" V.I.F.	REFER TO SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
060140	WP-04	EXISTING WOOD PANELING TYPE 4	4TH FLR MURAL RM	EXISTING - N/A				V.I.F.	REFER TO SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
060140	WP-05	EXISTING WOOD PANELING TYPE 5	1ST FLR - GARRYOWN CLUB	EXISTING - N/A				8'-7" V.I.F.	REFER TO SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
060140	WP-06	EXISTING WOOD PANELING TYPE 6	BASEMENT - VETERAN'S HALL	EXISTING - N/A				8'-7" V.I.F.	REFER TO SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
060140	WP-06B	EXISTING WOOD PANELING TYPE 6B	BASEMENT - VETERAN'S HALL VESTIBULE	EXISTING - N/A				5'-8 3/4" V.I.F.	REFER TO SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
060140	WP-07	EXISTING WOOD PANELING TYPE 7	BASEMENT - MURAL RM	EXISTING - N/A				4'-5 3/8" V.I.F.	REFER TO SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
060140	WP-08	EXISTING WOOD PANELING TYPE 8	BASEMENT - CHAPEL	EXISTING - N/A				4'-5 3/8" V.I.F.	REFER TO SPECS FOR EXISTING WOOD PANELING REHABILITATION AND RESTORATION SCOPE
EXTERIOR METAL PANELS									
074000	MP-01	METAL WALL PANEL - EXTERIOR	25TH ST ENTRANCE STOREFRONT	ALUCOBOND	AA3000 SERIES	TO MATCH EXTERIOR GREEN		3/16" ALUM COMPOSITE METAL PANEL	
074216	MP-02	INSULATED METAL PANEL	BOILER ROOM MODULE	CENTRIA	VERSAWALL H+ INSULATED CORE FLAT METAL PANELS	GALVANIZED STEEL	FLUOROPOLYMER THREE-COAT METALLTIC FINISH		
METAL									
057000	MT-01	METAL INFILL STRIP AT WALL REMOVAL	AS NOTED AT WALL REMOVAL LOCATIONS	BRANDNER DESIGN	RANDOM BLACK VEIL W/ ACRYLIC SEALER				
057000	MT-02	METAL WALL PANELS	PRIVATE OFFICES; METAL WALL PANELS; ELEVATOR BASE	RIMEX	T22 GRANEX	ONYX BLACK			
057000	MT-03	METAL WALL PANELS - PINSTRIPE	ELEVATOR CAB UPPER WALLS	RIMEX	T22 GRANEX - PINSTRIPE	ONYX BLACK			
057000	MT-04	STAINLESS STEEL	KITCHEN				STAINLESS STEEL		
	MT-05	METAL RAILINGS - BRONZE	RAILINGS						
TILE									
	TL-01	WALL TILE - EXISTING TO REMAIN	DRILL HALL STORAGE ROOMS	EXISTING - N/A					PATCH AND REPAIR AS REQ'D
093013	TL-02	FLOOR TILE - KITCHEN	KITCHEN	BEGONIA STAGE	GLAZED PORCELAIN	SILVER	MATTE ANTI-SLIP	12"X24"	
093013	TL-03	FLOOR TILE - LOCKER ROOM RESTROOMS	LOCKER ROOM TLT/SHW ROOMS	BEGONIA STAGE	GLAZED PORCELAIN	SILVER	MATTE ANTI-SLIP	12"X24"	
093013	TL-04	FLOOR TILE - RESTROOMS	DEDICATED WC'S	BEGONIA STAGE	GLAZED PORCELAIN	SILVER	MATTE ANTI-SLIP	12"X24"	
093013	TL-05	WALL TILE - KITCHEN	KITCHEN, KITCHEN WC	BEGONIA STAGE	GLAZED PORCELAIN	SILVER	MATTE ANTI-SLIP	3"x9"	
093013	TL-06	WALL TILE - LOCKER ROOM RESTROOM LOWER BAND	LOCKER ROOM RESTROOM - MAIN	BEGONIA STAGE	GLAZED PORCELAIN	SILVER	MATTE ANTI-SLIP	3"x9"	
093013	TL-07	WALL TILE - LOCKER ROOM RESTROOM UPPER BAND	LOCKER ROOM RESTROOM - ACCENT	UMI SUMASSHU	GLAZED PORCELAIN	CARAMEL GLOSSY	GLOSSY	3"x9"	
093013	TL-08	WALL TILE - RESTROOM WALLS - FULL HEIGHT	RESTROOM WALL TILE BLUE/ACCENT 1	FIRECLAY TILE	RECYCLED CLAY BODY	COBALT	GLOSSY	3"x9"	
RESILIENT									
096723	EPX-01	EXISTING EPOXY FLOOR TO REMAIN	BASEMENT	STONHARD	STONSCLAD/STONKOTE	PEWTER			
096723	EPX-02	EPOXY FLOOR - MECH + BOH - RETURN COVE BASE 6" AFF	MECHANICAL, BOH, STORAGE	STONHARD	STONSCLAD/STONKOTE	PEWTER	1/2 TEXTURE #2 / STONCLAD GS/GS4 (1/8 INCH)		
096723	EPX-03	EPOXY FLOOR - LOCKER ROOMS - RETURN COVE BASE 6" AFF	UNIT LOCKER ROOMS, EGRESS STAIRWELLS(?)	STONHARD	STONSCLAD/STONKOTE	STEEL GRAY	1/2 TEXTURE #2 / STONCLAD GS/GS4 (1/8 INCH)		
096723	EPX-04	EPOXY TRAFFIC SURFACE	VEHICULAR RAMP	DEX-O-TEX	AUTO-DEX V	4413 DOLPHIN GRAY		1/8"	INTEGRATED WATERPROOFING AND TRAFFIC SURFACING APPLIED ON TOP OF CONCRETE RAMP
096519	RB-01	RUBBER FLOOR	GYM	ROPPE	RECOIL FITNESS 1/2" THICKNESS	198 IVORY		1/2"	
096519	RB-02	DRILL SHED PARKING SURFACE - PERIMETER	DRILL SHED	GERFLOR	GTI MAX CLEANTECH MODULAR FLOORING	0252 TITANIUM		6 mm	
1 096519	RB-03	DRILL SHED PARKING SURFACE - PARKING SPACE	DRILL SHED	GERFLOR	GTI MAX CLEANTECH MODULAR FLOORING	0249 CARBON		6 mm	
096519	RB-04	MEZZANINE RUBBER FLOOR	DRILL SHED MEZZANINE	GERFLOR	MIPOLAM ACCORD	0425 CORK			
CARPET									
096813	CP-01	CARPET TILE	PRIVATE OFFICES	SHAW CONTRACT	SOURCE TILE	05327 LAKE			STAGGERED TILE INSTALL - "BRICK" PATTERN
FLOOR TRANSITIONS									
	TR-01	ALUMINUM TRANSITION STRIP		SCHLUTER-SCHIENE					REFER TO FLOOR TRANSITION DETAILS
066000	TR-02	STONE SADDLE - DARK		CEASARSTONE	METROPOLITAN	AIRY CONCRETE			REFER TO FLOOR TRANSITION DETAILS
066000	TR-03	STONE SADDLE		CEASARSTONE	METROPOLITAN	AIRY CONCRETE			REFER TO FLOOR TRANSITION DETAILS
096519	TR-04	GERFLOR RUBBER TRANSITION STRIP	DRILL HALL	GERFLOR	PVC SHOWER THRESHOLD				REFER TO FLOOR TRANSITION DETAILS
096519	TR-05	GERFLOR RUBBER TRANSITION STRIP - RAMP	DRILL HALL	GERFLOR	6MM PVC RAMP				REFER TO FLOOR TRANSITION DETAILS
SOLID SURFACE									
066000	SS-01	SOLID SURFACE COUNTER	KITCHENETTES & LACTATION ROOM	CORIAN	SOLID SURFACE	PEARL GRAY			
066000	SS-02	SOLID SURFACE COUNTER	LOBBY DESK	CORIAN	SOLID SURFACE	PEARL GRAY			
066000	SS-03	SOLID SURFACE WINDOW SILLS	WINDOWS	CORIAN	SOLID SURFACE	PEARL GRAY			
CEILING MATERIALS									
095300	ACT-01	ACOUSTIC CEILING TILE AND GRID	COMPANY ROOMS, OFFICES	USG	SANDRIFT - 808	WHITE		24" x 24" x 3/4" THICK	FINELINE GRID
095153	AP-03	ACOUSTIC CEILING PANEL	MEETING SPACE CEILINGS	ARMSTRONG	LYRA PB DIRECT APPLY	TO MATCH PTD-10			
095300	BF-01	CEILING BAFFLES	COMPANY ROOMS	ARMSTRONG	SOUNDSCAPES BLADES	CUSTOM GRADIENT		22" x 94" x 2" THICK	REFER TO RCPs FOR DIMENSIONS AND LAYOUTS
	CLC-01	CEILING LEVELING COMPOUND - SKIM COAT	COMPANY ROOMS, OFFICES					1/8" THICK	REFER TO ROOM FINISH SCHEDULE FOR PAINT COLOR
	CLC-02	HISTORIC CEILING - RESTORE EXISTING	HISTORIC SPACES						REFER TO AD-SERIES FOR REPAIR KEYNOTES. REFER TO GENERAL NOTES AND SPECS LISTED ON AD-001

_FINISH SCHEDULE

SPEC SECTION	MATERIAL ID	DESCRIPTION	TYP. LOCATION	BASIS-OF-DESIGN (BOD) MANUFACTURER	BOD MODEL	BOD COLOR	BOD FINISH	DIMENSIONS	COMMENTS
	CLC-03	HISTORIC CEILING - REBUILT TO MATCH ADJACENT	HISTORIC SPACES						REFER TO AD-SERIES FOR REPAIR KEYNOTES. REFER TO GENERAL NOTES AND SPECS LISTED ON AD-001
	CLC-04	COFFERED CEILING	PREFUNCTION ROOM			REFER TO ROOM FINISH SCHEDULE			REFER TO GENERAL NOTES AND SPECS LISTED ON AD-001
GLAZING									
088100	GL-01	FROSTED TEMPERED GLASS	PRIVATE OFFICES	GUARDIAN GLASS	SATINDECO DOUBLE SIDED				
088100	GL-03	CLEAR TEMPERED GLASS		GUARDIAN GLASS					
084123	GL-04	FIRE-RATED GLASS							
083953	GL-06	BALLISTIC GLASS	EXTERIOR STOREFRONT	TOTAL SECURITY SOLUTIONS					
088100	GL-07	MIRROR - GYM	GYM						REFER TO ACCESSORIES SCHEDULE
088100	GL-08	MIRROR - RESTROOMS	RESTROOOMS						REFER TO ACCESSORIES SCHEDULE
BOARD									
095300	GWB-01	GYPSUM BOARD-TYPICAL		CERTAIN TEED					
092116	GWB-03	GYPSUM BOARD-FIRE RATED	FIRE-RATED ROOMS AND WALL ASSEMBLIES	CERTAIN TEED - TYPE X					
WALL BASE									
062000	WB-01	WOOD WALL BASE - 6" - TYPICAL						6"	REFER TO ROOM FINISH SCHEDULE FOR PAINT COLORS
062000	WB-02	WOOD WALL BASE - 10"	ASSEMBLY HALL					10"	REFER TO ROOM FINISH SCHEDULE FOR PAINT COLORS
062000	WB-03	WOOD CHAIR RAIL	COMPANY ROOMS					3"	REFER TO ROOM FINISH SCHEDULE FOR PAINT COLORS
	WB-04	MASONRY WALL BASE	ENTRY HALL, DRILL HALL	EXISTING - N/A					PROVIDE CORNER PIECES AS REQ'D
STOREFRONT									
084113	SF-01	INTERIOR STOREFRONT FRAMING	PRIVATE OFFICES, 25TH ST ENTRY	KAWNEER	TRIFAB® VERSAGLAZE® 450 FRAMING SYSTEM 1-3/4" SIGHTLINE	RAL 8019		2" x 6" DEPTH	
088100	SF-02	INTERIOR STOREFRONT DOORS AND ENTRANCES	PRIVATE OFFICES	KAWNEER	190/350/500 STANDARD ENTRANCES	RAL 8019			
088100	SF-03	EXTERIOR BALLISTIC-RATED STOREFRONT	STREET ENTRANCES	TOTAL SECURITY SOLUTIONS	TSS-650 THERMAL FRAMING SYSTEM	TO MATCH EXTERIOR GREEN			
088100	SF-04	EXTERIOR BALLISTIC-RATED DOORS	STREET ENTRANCES	TOTAL SECURITY SOLUTIONS	ALUMINUM DOOR	TO MATCH EXTERIOR GREEN			
WALL COVERING									
097200	PB-01	PIN-UP BOARD WALLCOVERING	COMPANY ROOMS	AUTEX	CUBE	SAVOYE		1/2"	SELECT FINAL COLOR
097200	PB-02	PIN-UP BOARD WALLCOVERING	PRIVATE OFFICES	AUTEX	CUBE	SAVOYE		1/2"	
097200	PB-03	PIN-UP BOARD WALLCOVERING	ASSEMBLY HALL	AUTEX	CUBE	SAVOYE		1/2"	SELECT FINAL COLOR
LAMINATES									
066000	PLAM-01	CABINETRY LAMINATE	KITCHENETTES, LACTATION ROOM	WILSONART	15518 SPRUCE VELVET				
066000	PLAM-02	CABINETRY LAMINATE	MILLWORK BASE KICKS	WILSONART	15504 CHARCOAL VELVET				
066000	PLAM-03	CABINETRY LAMINATE	SECURITY DESK INTERIOR	WILSONART	D388 CRYSTAL				
066000	PLAM-04	CABINETRY LAMINATE	DISPLAY CASE INTERIORS	WILSONART	D91-60 SLATE GREY				

_PAINT SCHEDULE

PAINT ID	DESCRIPTION	TYP LOCATION	PRODUCT NAME/LINE	COLOR	FINISH	COMMENTS
MRL-01	EXISTING MURAL, V.I.F.	WALLS	EXISTING - N/A	EXISTING - N/A		PROTECT IN PLACE AS NOTED DURING REMOVALS AND CONSTRUCTION. SEE SPECIFICATION FOR REPAIR AND INFILL PAINTING PROCESS AS REQ'D
PTD-01	PAINT - WHITE WALLS	TYP WALLS	BENJAMIN MOORE	OC-57 WHITE HERON	EGGSHELL	
PTD-02	PAINT - GRAY WAINSCOT	COMPANY ROOM WAINSCOT	BENJAMIN MOORE	1612 PELICAN GRAY	EGGSHELL	
PTD-03	PAINT - DARK GRAY BASE KICK	TYP BASE KICK	BENJAMIN MOORE	1614 DELRAY GRAY	EGGSHELL	
PTD-04	PAINT - DARK GREEN	ENTRY HALL WALL BASE	BENJAMIN MOORE	HC-135 LAFAYETTE GREEN	EGGSHELL	
PTD-05	PAINT - MEDIUM GREEN	ENTRY HALL MID BASE	BENJAMIN MOORE	453 ADIRONDACK GREEN	EGGSHELL	
PTD-06	PAINT - LIGHT GREEN		BENJAMIN MOORE	TBD	EGGSHELL	
PTD-07	PAINT - GOLD	TBD	BENJAMIN MOORE	TBD	EGGSHELL	
PTD-08	PAINT - DARK RED	LOCKER ROOM CEILINGS	BENJAMIN MOORE	2080-20 PATRIOT RED	EGGSHELL	
PTD-09	PAINT - DRILL HALL DARK TBD	DRILL HALL		TBD GRAY	EGGSHELL	
PTD-10	PAINT - TYP CEILING WHITE	TYP CEILING		OC-57 WHITE HERON	EGGSHELL	
PTD-11	PAINT - LIGHT GRAY	LOCKER ROOM WALLS	BENJAMIN MOORE	1613 SILENT NIGHT	EGGSHELL	
PTD-12	PAINT - DRILL HALL LIGHT TBD	DRILL HALL	BENJAMIN MOORE	TBD GRAY	EGGSHELL	
PTD-13	PAINT - CEILING ACCENT	CEILINGS	BENJAMIN MOORE	OC-51 INTENSE WHITE	EGGSHELL	
PTD-14	PAINT - METAL - BRONZE	INTERIOR DOORS, FRAMES, STOREFRONT	RAL	8019 GREY BROWN	MATTE	
PTD-15	PAINT - METAL - GREEN	EXTERIOR DOORS, FRAMES, STOREFRONT	RAL	6019 TURQUOISE GREEN	MATTE	
PTD-16	PAINT - DRILL HALL VAULT	DRILL HALL CONCRETE VAULT PANELS - INTERIOR	BENJAMIN MOORE	TBD GRAY	EGGSHELL	
PTD-17	PAINT - RAILINGS	RAILINGS	BENJAMIN MOORE	TBD BLACK	GLOSSY	
PTD-20	PAINT - BLUE	RESTROOMS	BENJAMIN MOORE	BLUE / COLOR ACCENT 1	EGGSHELL	
PTD-21	PAINT - RED	LOCKER ROOM RESTROOMS	BENJAMIN MOORE	RED / COLOR ACCENT 2	EGGSHELL	
PTD-22	PAINT - INFANTRY BLUE	PREFUNCTION ROOM AND CEILING	BENJAMIN MOORE	1679 BEDFORD BLUE	EGGSHELL	
PTD-30	CEILING SKIM COAT		CEILING COAT			

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DESIGN & CONSTRUCTION

MARVEL

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

WARNING:

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REGISTERED ARCHITECT JOHN P. MARVEL 039550 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE:

FINISH SCHEDULE

DRAWING NUMBER: A-600

SHEET: OF

_ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALL MATERIAL	CEILING FINISH	CEILING MATERIAL	CEILING FINISH
ANNEX - BASEMENT									
B11	CORRIDOR		EPX-02	EPX-02		MAS; GWB	PTD-01	CONC	PTD-10
Basement									
B00	CORRIDOR		TZ-01	BR-01	PTD-01	BR-01	PTD-01	CONC	PTD-10
B01	BN HQ STOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B02	CLASSROOM		WD-03	WB-01	PTD-03	MAS; GWB	PTD-01	ACT-01	
B03	MULTI PURPOSE ROOM		WD-03	WP-07	RESTORE	WP-07; MRL-01	RESTORE	GWB	PTD-10
B04	LEARNING CENTER		WD-03	WB-01	PTD-03	MAS; GWB	PTD-01	GWB	PTD-10
B04A	STORAGE		EPX-02	EPX-02		MAS	PTD-01	GWB	PTD-10
B04B	KEG RM		EPX-02	EPX-02		MAS	PTD-01	GWB	PTD-10
B05	HHC CO UNIT STOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B06	STORAGE		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B06B	HHC CO UNIT STOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B07	HHC CO UNIT STOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B08	A CO UNIT STOR		EPX-01; EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B09	B CO UNIT STOR		EPX-01	EPX-01		MAS	PTD-01	CONC	PTD-10
B10	HHC CO UNIT STOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B30	CORRIDOR		EPX-02	EPX-02		MAS; GWB	PTD-01	CONC	PTD-10
B30	CORRIDOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B30	CORRIDOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B30	CORRIDOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B30	CORRIDOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B30C	VETERAN'S HALLWAY		CO-01	WP-06	RESTORE	WP-06	RESTORE	GWB	PTD-10
B30D	VESTIBULE		CO-01	WP-06	RESTORE	WP-06	RESTORE	GWB	PTD-10
B30E	VESTIBULE		CO-01	WP-06	RESTORE	WP-06	RESTORE	GWB	PTD-10
B30F	VESTIBULE		CO-01	WP-06	RESTORE	WP-06	RESTORE	GWB	PTD-10
B31	SIPR RM		EPX-02	EPX-02		GWB	PTD-01	GWB	PTD-10
B32	ELEV MECH		EPX-01	EPX-01		MAS	PTD-01	CONC	PTD-10
B33	STORAGE		EPX-01	EPX-01		MAS	PTD-01	CONC	PTD-10
B34	ARMS VAULT		CO-01	CONC	PTD-01	CONC	PTD-01	CONC	PTD-10
B35	ARMS VAULT		CO-01	CONC	PTD-01	CONC	PTD-01	CONC	PTD-10
B36	ARMS VAULT		CO-01	CONC	PTD-01	CONC	PTD-01	CONC	PTD-10
B37	ARMS VAULT		CO-01	CONC	PTD-01	CONC	PTD-01	CONC	PTD-10
B38	ARMS VAULT		CO-01	CONC	PTD-01	CONC	PTD-01	CONC	PTD-10
B39	ARMS VAULT		CO-01	CONC	PTD-01	CONC	PTD-01	CONC	PTD-10
B40	GAS SERVICE		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B41	C CO UNIT STOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B42	C CO UNIT STOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B44	C CO UNIT STOR		EPX-01; EPX-02	EPX-01; EPX-02		MAS	PTD-01	CONC	PTD-10
B46	STORAGE		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B46A	IDF		EPX-01	EPX-01		MAS	PTD-01	CONC	PTD-10
B47	R&R UNIT STORAGE		EPX-01	EPX-01		MAS	PTD-01	CONC	PTD-10
B48	ELECT RM		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B49	D CO UNIT STOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B49B	ELEC RM		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B50	D CO UNIT STOR		EPX-02	EPX-02		MAS; GWB	PTD-01	CONC	PTD-10
B51	OIL FUEL TANKS		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B52	STORAGE		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B52A	FLAMMABLE STOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B52B	ELEV EQUIP		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B53	ELECT RM		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B54	MECH RM		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B55	MECH RM		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B56	ELEC RM		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B57	MECH RM		EPX-02	EPX-02		MAS; GWB	PTD-01	CONC	PTD-10
B58	BLDG STOR (STATE)		WD-01	WP-06	RESTORE	WP-06	RESTORE	PLAS	RESTORE
B58A	VESTIBULE		CO-01	WP-06	RESTORE	WP-06	RESTORE	CONC	PTD-10
B59	MENS RM		TL-04	TL-08		MAS; GWB	TL-08; PTD-20	GWB	PTD-20
B60	STORAGE		WD-01	WB-01	PTD-03	MAS	PTD-01	CONC	PTD-10
B61	WOMENS RM		TL-04	TL-08		MAS; GWB	TL-08; PTD-20	GWB	PTD-20
B62	CORRIDOR		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B63	BLDG STOR (STATE)		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
B64	MDF		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
ST-A	STAIR A		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
ST-B	STAIR B		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
ST-D	STAIR D		ST-03	ST-03					
ST-P	STAIR P		EPX-02	EPX-02		MAS	PTD-01	CONC	PTD-10
1ST FLR - T.O.F.F									
100	ENTRY HALL		TZ-02; TZ-03	WB-04	PTD-04	MAS	PTD-01; PTD-05	PLAS	PTD-10; PTD-13
100A	CORRIDOR		TZ-02; TZ-03	WB-04	PTD-04	MAS	PTD-01; PTD-05	PLAS	PTD-10; PTD-13
100B	CORRIDOR		WD-01	WP-03	RESTORE	WP-03	RESTORE	PLAS	PTD-10
100C	CORRIDOR B		TZ-02	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
100D	JC		TZ-02	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
100E	CORRIDOR A		WD-02	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
100F	STORAGE		WD-02	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
100G	EXIT CORRIDOR		TZ-02	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
101	CORRIDOR		EPX-01	EPX-02		GWB; MAS	PTD-01	ACT-01	PTD-10
101A	SUPERINTENDENT		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
101B	ELEC RM		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
102	REGIMENTAL HQ		WD-01	WP-03	RESTORE	WP-03	RESTORE	CLC-02	RESTORE
102A	TLT		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
103	CMDR		WD-01	WP-03	RESTORE	WP-03	RESTORE	PLAS	RESTORE
104	DUFFY ROOM		WD-01	WP-03	RESTORE	WP-03	RESTORE	PLAS	PTD-10; PTD-13
105	CMD SERGEANT		WD-01	WP-03	RESTORE	WP-03	RESTORE	PLAS	PTD-10
105A	TLT		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
106	WOMENS RM		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
107	MENS RM		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
107A	STORAGE		CONC	WB-01	PTD-03	MAS	PTD-01	PLAS	PTD-10
108	CHAPLAIN		WD-01	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
108A	VESTIBULE		WD-02	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
108B	STORAGE		WD-02	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
109	PRE-FUNCTION & MUSEUM DISPLAY		WD-01; MT-01	WB-01	PTD-03	GWB	PTD-22	GWB	PTD-22
110	GARRYOWEN CLUB		WD-01	WP-05	RESTORE	WP-05	RESTORE	MTL	RESTORE
111	IDF		WD-01	WB-01		GWB	PTD-01	GWB	PTD-10
111A	ELEC CLOSET		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
112	RECRUITING & RETENTION		WD-01	WB-01	PTD-03	GWB	PTD-01	CLC-01	PTD-10
115	DMS OFFICE		WD-03	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
122	ACFT STORAGE		RB-03	WB-01	PTD-03	MAS	PTD-01	CLC-01	PTD-10
123	ACFT STORAGE		RB-03	WB-01	PTD-03	MAS	PTD-01	CLC-01	PTD-10
130	POV PARKING		RB-02; RB-03; EPX-04	WB-01; WB-04	PTD-03	GWB; MAS	PTD-09; PTD-12; BR-03	CLC-02	PTD-16
132	STORAGE		RB-03	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
140	SECURITY LOBBY		TZ-02	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
140A	25TH ST ENTRY VESTIBULE		TZ-02	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
140B	CLOSET		TZ-02	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
141	CORRIDOR		WD-01	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
141A	MAIL ROOM		WD-01	WB-01	PTD-03	GWB; MAS	PTD-01	GWB	PTD-10
142	LACTATION		WD-01	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
145	CORRIDOR		WD-01	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
146	MENS RM		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
147	JC		EPX-02	EPX-02		GWB	PTD-01	GWB	PTD-10
148	WOMENS RM		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
150	FITNESS		RB-01	RB-01		MAS	PTD-01; MIRROR	CLC-01	PTD-10
151	FAMILY READINESS		WD-03	WB-01	PTD-03	MAS	PTD-01	GWB	PTD-10
R-01	RAMP 01		EPX-04						
ST-A	STAIR A		CO-01	WB-01	PTD-03	GWB	PTD-01	CLC-01	PTD-10
ST-B	STAIR B		CO-01	WB-01	PTD-03	GWB	PTD-01	CLC-01	PTD-10
ST-P1	STAIR P		TZ-01	WB-01	PTD-03	GWB; MAS	PTD-01	CLC-01	PTD-10
2ND FLR									
200	CORRIDOR		TZ-02; TZ-03	WB-04	PTD-04	MAS	PTD-04; PTD-01	PLAS	PTD-10; PTD-13
200	VESTIBULE		TZ-02; TZ-03	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-01
200A	JC		TL-03	TL-06		GWB	PTD-01	GWB	PTD-01
200B	ELEC RM		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
200C	ELEC RM		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
200D	IDF		EPX-02	EPX-02		GWB	PTD-01	GWB	PTD-10
201	B CO		WD-03	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02; PB-01	GWB; ACT-01	PTD-10
201A	XO		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10

_ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALL MATERIAL	CEILING FINISH	CEILING MATERIAL	CEILING FINISH
201B	CO CDR		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
201C	1SG		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
202	C CO		WD-03; CO-01	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02; PB-01	GWB; ACT-01; CLC-01	PTD-10
203	WOMENS TLT/SHWR		TL-03	TL-06		GWB	TL-07	GWB	PTD-21
203A	C CO WOMENS LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
205	MENS TLT/SHWR		TL-03	TL-06		GWB	TL-07	GWB	PTD-21
205A	C CO MENS LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
206	HHC HQ		WD-03; MT-01	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02; PB-01	GWB; ACT-01; CLC-01	PTD-10
206A	BN S4		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
206B	BN S4 NCOIC & BN S4		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
206C	BN S1		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
206D	S3		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
206E	BN S3		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
206F	BN XO		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
206G	BN S2		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
207	A CO		WD-03	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02; PB-01	GWB; ACT-01	PTD-10
207A	1SG		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
207B	CO CDR		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
207C	RNCO		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
225	MEZZANINE		WD-04	WB-01	PTD-03	GWB; MAS	PTD-09; PTD-12; BR-03	CLC-02	PTD-16
250	VESTIBULE		WD-01	WB-01	PTD-03	GWB; MAS	GWB	GWB	PTD-10
251	TLT		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
252	MULTIPURPOSE ROOM		WD-01; WD-02	WP-02	RESTORE	WP-02	RESTORE	PLAS	RESTORE
252A	STORAGE		WD-01	WP-02	RESTORE	WP-02	RESTORE	PLAS	RESTORE
253	MULTI PURPOSE ROOM		WD-01	WB-01	PTD-03	GWB; MAS	PTD-01	CLC-01	PTD-10
ST-A	STAIR A		CO-01	WB-01	PTD-03	GWB	PTD-01	CLC-01	PTD-10
ST-B	STAIR B		CO-01	WB-01	PTD-03	GWB	PTD-01	CLC-01	PTD-10
3RD FLR									
300	CORRIDOR		TZ-02	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
300A	IDF		EPX-02	EPX-02		GWB	PTD-01	GWB	PTD-01
300B	JC		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-01
300C	ELECT RM		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-01
300D	ELEC RM		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-01
301	B CO		WD-03; CO-01; MT-01	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02; PB-01	GWB; ACT-01; CLC-01	PTD-10
302	C CO		WD-03	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02	GWB; ACT-01	PTD-10
302A	CO CDR		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
302B	1SG		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
302C	RNCO		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
303	WOMEN'S TLT/SHWR		TL-03	TL-06		GWB	TL-07; PTD-21	GWB	PTD-21
303A	B CO WOMENS LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
303B	RR CO WOMENS LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
303C	BEB CO WOMEN'S LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
304	WOMEN'S TLT/SHWR		TL-03	TL-06		GWB	TL-07; PTD-21	GWB	PTD-21
304A	HHC CO WOMENS LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
304B	D CO WOMENS LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
304C	A CO WOMENS LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
305	HQ		WD-03	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02; PB-01	GWB; ACT-01	PTD-10
306	A CO		WD-03; CO-01; MT-01	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02; PB-01	GWB; ACT-01; CLC-01	PTD-10
310A	A CO MENS LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
311A	B CO MENS LOCKER		EPX-03	EPX-03		GWB; MAS	PTD-11	CLC-01	PTD-08
350	BEB CO UNIT STORAGE		WD-01	WB-01	PTD-03	PLAS	PTD-01	CLC-01	PTD-10
351	BEB CO UNIT STORAGE		WD-01; WD-02	WB-01	PTD-03	PLAS	PTD-01	CLC-01	PTD-10
ST-A	STAIR A		CO-01	WB-01	PTD-03	GWB; MAS	PTD-01	CLC-01	PTD-10
ST-B	STAIR B		CO-01	WB-01	PTD-03	GWB; MAS	PTD-01	CLC-01	PTD-10
ST-P	STAIR P		TZ-01	WB-01	PTD-03	PLAS	PTD-01	CLC-01	PTD-10
ANNEX - 3RD FLR									
310	MEN'S TLT/SHWR		TL-03	TL-06		GWB	TL-07; PTD-21	GWB	PTD-21
311	MENS TLT/SHWR		TL-03	TL-06		GWB	TL-07; PTD-21	GWB	PTD-21
4TH FLR									
400	CORRIDOR		TZ-02	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
400A	IDF		EPX-02	EPX-02		GWB	PTD-01	GWB	PTD-10
400B	ELEC RM		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
400C	ELEC RM		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
400D	JC		EPX-02	EPX-02	PTD-03	GWB	PTD-01	GWB	PTD-10
401	D COMPANY		WD-03; CO-01; MT-01	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02; PB-01	GWB; ACT-01; CLC-01	PTD-10
401A	1SG		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
401B	RNCO		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
401C	OFFICE		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
402	MENS TLT/SHWR		TL-03	TL-06		GWB	TL-07; PTD-21	GWB	PTD-21
402A	HHC CO MENS LOCKER		EPX-03	EPX-03		GWB	PTD-11	CLC-01	PTD-08
405	HHC COMPANY		WD-01; WD-02; WD-03; CO-01; MT-01	WB-01	PTD-03	GWB; WB-03; MRL-01; WP-04	PTD-01; PTD-02; PB-01	GWB; ACT-01; CLC-01	PTD-10
405A	RNCO		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
405B	CO CDR		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
405C	1SG		CP-01	WB-01	PTD-03	GWB	PTD-01; PB-02	GWB	PTD-10
406	MENS TLT/SHWR		TL-03	TL-06		GWB	TL-07; PTD-21	GWB	PTD-21
406A	BEB CO MENS LOCKER		EPX-03	EPX-03		GWB	PTD-11	CLC-01	PTD-08
407	MENS TLT/SHWR		TL-03	TL-06		GWB	TL-07; PTD-21	GWB	PTD-21
407	MENS TLT/SHWR		TL-03	TL-06		GWB	TL-07; PTD-21	GWB	PTD-21
407A	D CO MENS LOCKER		EPX-03	EPX-03		GWB	PTD-11	CLC-01	PTD-08
407B	RR CO MENS LOCKER		EPX-03	EPX-03		GWB	PTD-11	CLC-01	PTD-08
450	STORAGE		WD-01; WD-02	WB-01	PTD-03	PLAS	PTD-01	CLC-01	PTD-10
451	STORAGE		WD-01	WB-01	PTD-03	PLAS	PTD-01	CLC-01	PTD-10
ST-A	STAIR A		CO-01	WB-01	PTD-03	GWB; MAS	PTD-01	CLC-01	PTD-10
ST-B	STAIR B		CO-01	WB-01	PTD-03	GWB; MAS	PTD-01	CLC-01	PTD-10
ST-P	STAIR P		TZ-01	WB-01	PTD-03	PLAS	PTD-01	CLC-01	PTD-10
5TH FLR									
500	CORRIDOR		TZ-02	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
500B	IDF		EPX-02	EPX-02		GWB	PTD-01	GWB	PTD-10
500C	ELEC RM		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
500D	ELEC RM		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
501	BEB COMPANY		WD-03; CO-01; MT-01	WB-01	PTD-03	GWB; WB-03	PTD-01; PTD-02; PB-01	GWB; ACT-01; CLC-01	PTD-10
501A	1SG		CP-01	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
501B	CO CDR		CP-01	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
501C	RNCO		CP-01	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
502	ASSEMBLY HALL		WD-01	WD-09	PTD-03	BR-01	PTD-01; PB-03	CLC-01; ACT-01	PTD-04
502A	SERVERY		WD-02	WB-01	PTD-03	GWB	TL-05	GWB	PTD-10
502D	STORAGE		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
502F	STORAGE		EPX-02	EPX-02		GWB	PTD-01	CLC-01	PTD-10
503	BREAK / VEND		TL-04	WB-01	PTD-03	GWB	PTD-01	ACT-01	
504	CLASSROOM		WD-03	WB-01	PTD-03	GWB; MAS	PTD-01	GWB; ACT-01	PTD-10
505	R+R OFFICES		WD-03	WB-01	PTD-03	GWB; MAS	PTD-01	CLC-01; GWB	PTD-10
506	CLASSROOM		WD-03	WB-01	PTD-03	GWB; MAS	PTD-01	GWB; ACT-01	PTD-10
507	KITCHEN		TL-02	TL-05		GWB	TL-05	ACT-01	
507A	KITCHEN TLT		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
507B	JC		TL-02	TL-05		GWB	PTD-01	CLC-01	PTD-10
507C	KITCHEN OFFICE		TL-02	TL-02		GWB	PTD-01	ACT-01	
507D	KITCHEN STORAGE		TL-02	TL-02		GWB	PTD-01	ACT-01	
507E	STORAGE		TL-02	TL-02		GWB	PTD-01	CLC-01	PTD-10
513	VESTIBULE		TL-04	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10
513A	STORAGE		TL-04	WB-01	PTD-03	GWB	PTD-01	GWB	PTD-10

_ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR MATERIAL	FLOOR FINISH	BASE MATERIAL	BASE FINISH	WALL MATERIAL	CEILING FINISH	CEILING MATERIAL	CEILING FINISH
514	MEN'S ROOM		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
515	WOMEN'S RM		TL-04	TL-08		GWB	TL-08; PTD-20	GWB	PTD-20
ST-A	STAIR A		CO-01	WB-01	PTD-03	GWB; MAS	PTD-01	CLC-01	PTD-10
ST-B	STAIR B		CO-01	WB-01	PTD-03	GWB; MAS	PTD-01	CLC-01	PTD-10

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42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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

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REGISTERED ARCHITECT JOHN MARK MARVEL 031551 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE: ROOM FINISH SCHEDULE

DRAWING NUMBER: A-601

SHEET: OF

WINDOW SCHEDULE

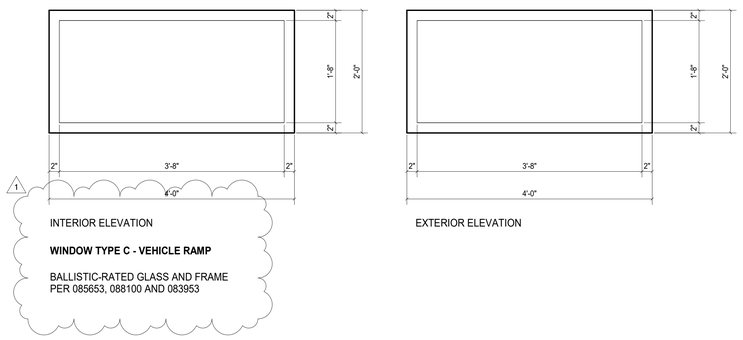
LEVEL	LOCATION	Type Mark	COUNT	WINDOW GLAZING TYPE	THERMAL RESISTANCE (R)
1ST FLR - T.O.F.F	103 POV PARKING	A	15		1.5394 (h·ft²·°F)/BTU
4TH FLR	HHC CO MEN'S LOCKERS	D	2		
STAIR A LANDING	DRILL HALL VEHICULAR ENTRY SECURITY WINDOW	E	1		1.5394 (h·ft²·°F)/BTU

NOTES

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

WINDOW SHADE SCHEDULE - REFER TO SPEC 122413

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

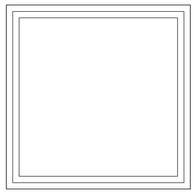


INTERIOR ELEVATION

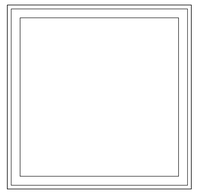
WINDOW TYPE C - VEHICLE RAMP

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

EXTERIOR ELEVATION



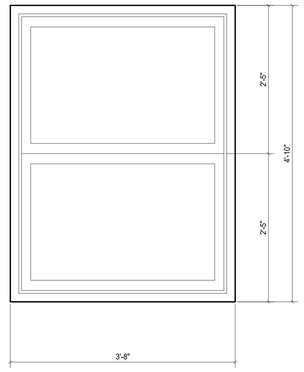
EXTERIOR ELEVATION



INTERIOR ELEVATION

WINDOW TYPE E - RAMP SECURITY WINDOW

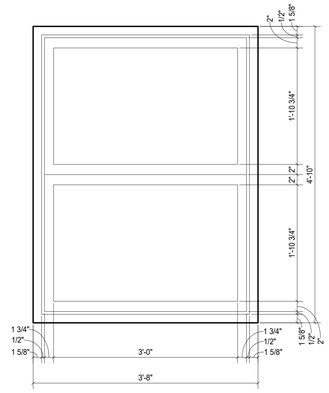
SILL:
GLAZING MATERIAL:
JAMB:
HEADER:



INTERIOR ELEVATION

WINDOW TYPE D - 4TH FLOOR

SILL:
GLAZING MATERIAL:
JAMB:
HEADER:



EXTERIOR ELEVATION

INTERIOR ELEVATION

WINDOW TYPE B - BASEMENT

SILL:
GLAZING MATERIAL:
JAMB:
HEADER:

EXTERIOR ELEVATION

INTERIOR ELEVATION

WINDOW TYPE A - DRILL HALL

SILL:
GLAZING MATERIAL:
JAMB:
HEADER:

EXTERIOR ELEVATION

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT — STATE OF NEW YORK — 261051 — JOHN DOE

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE:

WINDOW DETAILS - WINDOW TYPES

DRAWING NUMBER:

A-620

SHEET: OF

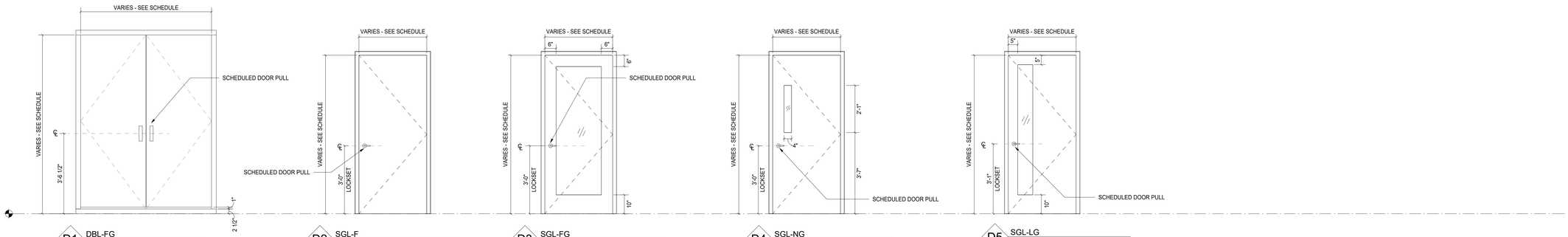
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DOOR SCHEDULE

DOOR TAG	ROOM INFO FROM NUMBER	FROM NAME	TO NUMBER	TO NAME	DOOR TYPE	DOOR OVERAL L WIDTH	DOOR HEIGHT	DOOR # OF PANELS	DOOR MATERIA L	DOOR FINISH	DOOR COLOR	FRAME MATERIAL	FRAME FINISH	FRAME COLOR	FRAME JAMB DETAIL	FRAME THROAT	HW SET - REFERENCE SPECS	THRESHOLD	FIRE RATING	COMMENTS
ANNEX - BASEMENT																				
B50F	B50	D CO UNIT STOR	B50	D CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
Basement																				
B00A	B00	CORRIDOR			D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	7.0	15 / A-641	45 MIN	
B00B	B00	CORRIDOR			D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	7.0	15 / A-641	45 MIN	
B01	B01	BN HQ STOR			D10	6'-0"	8'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	17.0	13 / A-641	45 MIN	
B01A	B01	BN HQ STOR			D23	4'-0"	8'-0"	1	WM											
B01B			B01	BN HQ STOR	D23	4'-0"	8'-0"	1	WM											
B02	B02	CLASSROOM	B00	CORRIDOR	D10	6'-0"	6'-10"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	2'-5"	6.0	8 / A-641	45 MIN	
B04A	B04	LEARNING CENTER	B04A	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0		45 MIN	
B04B	B04B	KEG RM	B04	LEARNING CENTER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	21.0		45 MIN	
B04C	B04B	KEG RM	B04	LEARNING CENTER	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	21.0		45 MIN	
B05	B05	HHC CO UNIT STOR	B00	CORRIDOR	D10	5'-6"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	2'-6"	17.0	13 / A-641	45 MIN	
B05A	B05	HHC CO UNIT STOR	B05	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B05B	B05	HHC CO UNIT STOR	B05	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B05C	B05	HHC CO UNIT STOR	B05	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B05D	B05	HHC CO UNIT STOR	B05	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B06	B06	STORAGE	B00	CORRIDOR	D2	2'-6"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	5 7/8"	21.0	13 / A-641	45 MIN	
B06A	B06B	HHC CO UNIT STOR	B30	CORRIDOR	D23	4'-0"	8'-0"	1	WM											
B06B	B06B	HHC CO UNIT STOR	B30	CORRIDOR	D23	4'-0"	8'-0"	1	WM											
B06C	B30	CORRIDOR	B06B	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B06D	B30	CORRIDOR	B06B	HHC CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B07	B07	HHC CO UNIT STOR	B00	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	21.0	13 / A-641	45 MIN	
B08	B00	CORRIDOR	B08	A CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	0"	17.0	13 / A-641	45 MIN	
B08B	B08	A CO UNIT STOR	B08	A CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B08C	B08	A CO UNIT STOR	B08	A CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B08D	B08	A CO UNIT STOR	B08	A CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B08E	B08	A CO UNIT STOR	B08	A CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B09	B00	CORRIDOR	B09	B CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	0"	17.0	13 / A-641	45 MIN	
B09A	B09	B CO UNIT STOR	B09	B CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B09B	B09	B CO UNIT STOR	B09	B CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B09C	B09	B CO UNIT STOR	B09	B CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B09D	B09	B CO UNIT STOR	B09	B CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B10	B10	HHC CO UNIT STOR	B00	CORRIDOR	D10	5'-6"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	2'-4"	17.0	13 / A-641	45 MIN	
B30	B00	CORRIDOR	B30	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	6"	7.0	13 / A-641	45 MIN	
B30A	M1	SHAFT	B30F	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE		HM	MATTE			6 1/8"	21.0		90 MIN	
B30C	B42	C CO UNIT STOR	B42	C CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B30D	B42	C CO UNIT STOR	B42	C CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B30F	B30F	VESTIBULE	B00	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	0"	7.0	6 / A-641	45 MIN	
B31	B31	SIPR RM	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	14.0	5 / A-642	45 MIN	
B32	B30	CORRIDOR	B32	ELEV MECH	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		11 5/8"	14.0	5 / A-642	90 MIN	
B33A	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B33B	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B33C	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B33D	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B33E	B30	CORRIDOR	B33	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B34	B30	CORRIDOR	B34	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B35	B30	CORRIDOR	B35	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B36	B30	CORRIDOR	B36	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B37	B30	CORRIDOR	B37	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B38	B30	CORRIDOR	B38	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B39	B30	CORRIDOR	B39	ARMS VAULT	D24	4'-0"	6'-10"	1	MT			MT			3 / A-633			2 / A-642	90 MIN	
B40	B30	CORRIDOR	B40	GAS SERVICE	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		7 5/8"	12.0	1 / A-642	90 MIN	
B41	B30	CORRIDOR	B41	C CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	21.0	1 / A-642	45 MIN	
B42	B30	CORRIDOR	B42	C CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	21.0	1 / A-642	45 MIN	
B44	B30	CORRIDOR	B44	C CO UNIT STOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	17.0	1 / A-642	45 MIN	
B46	B11	CORRIDOR	B46	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	1 / A-642	45 MIN	
B46A	B11	CORRIDOR	B46A	IDF	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	1 / A-642	45 MIN	
B47	B11	CORRIDOR	B47	R&R UNIT STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	12.0	1 / A-642	45 MIN	
B48	B48	ELECT RM	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	5.0	1 / A-642	90 MIN	
B49	B49	D CO UNIT STOR	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	7 5/8"	20.0	1 / A-642	45 MIN	
B49B	B49B	ELEC RM	B30	CORRIDOR	D10	6'-0"	8'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	2 / A-640	0"	6.0	1 / A-642	90 MIN	
B50A	B50	D CO UNIT STOR	B30	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	7 1/4"	17.0	1 / A-642	45 MIN	
B50B	B50	D CO UNIT STOR	B30	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	7 1/4"	17.0	1 / A-642	45 MIN	
B50C	B50	D CO UNIT STOR	B50	D CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B50D	B50	D CO UNIT STOR	B50	D CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B50E	B50	D CO UNIT STOR	B50	D CO UNIT STOR	D23	4'-0"	8'-0"	1	WM											
B51	B51	OIL FUEL TANKS	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	14.0	1 / A-642	90 MIN	
B52	B52	STORAGE	B30	CORRIDOR	D10	5'-0"	7'-6"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	10.0	1 / A-642	45 MIN	
B52A	B52A	FLAMMABLE STOR	B52	STORAGE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	21.0	1 / A-642	90 MIN	
B52B	B52B	ELEV EQUIP	B52A	FLAMMABLE STOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	21.0	1 / A-642	90 MIN	
B53	B53	ELECT RM	B30	CORRIDOR	D10	6'-0"	8'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	2 / A-640	0"	6.0	1 / A-642	90 MIN	
B54	B54	MECH RM	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	12.0	1 / A-642	45 MIN	
B55	B55	MECH RM	B30	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	14.0	1 / A-642	45 MIN	
B56	B56	ELEC RM	B30	CORRIDOR	D2	4'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	13.0	1 / A-642	90 MIN	
B57	B30	CORRIDOR	B57	MECH RM	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	10.0	1 / A-642	45 MIN	
B60	B60	STORAGE	B30D	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	8"	11.0	4 / A-641		
B63	B62	CORRIDOR	B63	BLDG STOR (STATE)	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	5 / A-642	45 MIN	
B64	B62	CORRIDOR	B64	MDF	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	5 / A-642	45 MIN	
EX140			140A	25TH ST ENTRY VESTIBULE	D19	3'-0"	7'-3 27/256"	1	HM	MATTE	PTD-15	HM	MATTE	PTD-15		0"	1.1	1 / A-641		BALLISTIC-RATED DOOR PER SPECIFICATIONS
EXB49	B49	D CO UNIT STOR	EXT	EXTERIOR COURTYARD	D2	2'-6"	7'-0"	1	HM	MATTE	PTD-15	HM	MATTE	PTD-15	6 / A-640	0"	2.0			
EXB63A	316	EXIT	B63	BLDG STOR (STATE)	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4"	2.0			
ST-A	B00	CORRIDOR	ST-A	STAIR A	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	13 / A-641	90 MIN	
ST-B	B00	CORRIDOR			D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		7 5/8"	9.0	13 / A-641	90 MIN	
ST-P	B11	CORRIDOR	ST-P	STAIR P	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		7 5/8"	9.0	1 / A-642	90 MIN	
1ST FLR - T.O.F.F																				
100C	100D	JC	100C	CORRIDOR B	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	4 7/8"	23.0	15 / A-641		
100E			100E	CORRIDOR A	D4	3'-0"	7'-0"	1	HM	MATTE		HM	MATTE			6 1/8"	9.0	8 / A-641	90 MIN	
100F	100F	STORAGE	100E	CORRIDOR A	D10	6'-0"	7'-0"	2	HM	MATTE		HM	MATTE		6 / A-640	4 7/8"	23.0			
101	100	ENTRY HALL	101	CORRIDOR	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	20.0	13 / A-641	45 MIN	
101A	101	CORRIDOR	101A	SUPERINTENDENT	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	22.1	5 / A-642	45 MIN	
101C	101	CORRIDOR	101B	ELEC RM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	22.1	5 / A-642	45 MIN	
102	100	ENTRY HALL	100E	CORRIDOR A	D22	7'-10"	10'-0"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640		37.0	8 / A-641	90 MIN	
106	100C	CORRIDOR B	106	WOMENS RM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	29.0	9 / A-641	45 MIN	
107	100C	CORRIDOR B	107	MENS RM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	29.0	9 / A-641	45 MIN	
108	108	CHAPLAIN	108A	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	25.0	15 / A-641	45 MIN	
108B	108B	STORAGE	108A	VESTIBULE	D10	6'-0"	7'-0"	2	HM	MATTE		HM	MATTE		6 / A-640	4 7/8"	23.0			
109A	100E	CORRIDOR A	109	PRE-FUNCTION & MUSEUM DISPLAY	D1	6'-0 1/2"	8'-0 1/4"										34.0	2 / A-641		
109B	100E	CORRIDOR A	109	PRE-FUNCTION & MUSEUM DISPLAY	D13	3'-1"	8'-0 1/4"										9.2	2 / A-641		
111	100	ENTRY HALL	111	IDF	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	14.0	8 / A-641	45 MIN	NEW HM DOOR WITH PANELING TO MATCH HISTORIC DOORS
111A	100G	EXIT CORRIDOR	111A	ELEC CLOSET	D16	2'-6"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	20.0	13 / A-641	45 MIN	
112	100	ENTRY HALL	112	RECRUITING & RETENTION	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	14.0	8 / A-641	45 MIN	NEW HM DOOR WITH PANELING TO MATCH HISTORIC DOORS 1
113	ST-C	STAIR C			D15	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14			1.1		90 MIN	BALLISTIC-RATED DOOR PER SPECIFICATIONS 1
113A			100	ENTRY HALL	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	29.1	15 / A-641	45 MIN	NEW HM DOOR WITH PANELING TO MATCH HISTORIC DOORS
115	100C	CORRIDOR B	115	DMS OFFICE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	12.0	8 / A-641	45 MIN	
122A	130	POV PARKING	122	ACFT STORAGE	D14	5'-0"	7'-1"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			23.0	2 / A-642		
122B	130	POV PARKING	122	ACFT STORAGE	D14	5'-0"	7'-1"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			23.0	2 / A-642		
123A	123	ACFT STORAGE	130	POV PARKING	D14	5'-0"	7'-1"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			23.0	2 / A-642		
123B	123	ACFT STORAGE	130	POV PARKING	D14	5'-0"	7'-1"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			23.0	2 / A-642		
132A	132	STORAGE	130	POV PARKING	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	6 1/8"	10.0	2 / A-642	90 MIN	
132B	132	STORAGE	130	POV PARKING	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	6 1/8"	10.0	2 / A-642	90 MIN	
140	140	SECURITY LOBBY	130	POV PARKING	D7	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	24.0		90 MIN	
140B	140B	CLOSET	140	SECURITY LOBBY	D10	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		3 3/4"	23.0			
141A	141	CORRIDOR	140	SECURITY LOBBY	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	12.0	1 / A-641	90 MIN	
141B	141	CORRIDOR	130	POV PARKING	D7	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	24.0	1 / A-642	90 MIN	
141C	141A	MAIL ROOM	141	CORRIDOR	D10	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	10.0	1 / A-641	45 MIN	
142	142	LACTATION	141	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	31.0	1 / A-641	45 MIN	
145	145	CORRIDOR	130	POV PARKING	D26	6'-0"	7'-0"	2			PTD-14		MATTE				24.0	2 / A-642	90 MIN	
146	145	CORRIDOR	146	MENS RM	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	5 1/4"	26.0	4 / A-642		
147	147	JC	145	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	5 1/4"	12.0			
148	148	WOMENS RM	145	CORRIDOR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	26.0	4 / A-642		
B50M	140	SECURITY LOBBY	140A	25TH ST ENTRY VESTIBULE	D3	4'-0 1/2"	7'-1"	1								0"				1
EX162	000	SIDEWALK	113	SECURITY	D19	2'-11"	7'-5 213/256"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		0"	1.1			BALLISTIC-RATED DOOR PER SPECIFICATIONS EXTERIOR
EXSTA	ST-A	STAIR A			D20	2'-8"	7'-8"	1	HM	MATTE	PTD-15	HM	MATTE	PTD-15			1.0			
EXSTB	ST-B	STAIR B			D20	3'-0"	8'-3 1/8"	1	HM	MATTE	PTD-15	HM	MATTE	PTD-15			1.0			
R01			R-01	RAMP 01	D25	11'-2"	15'-0"													
ST-A1A	100	ENTRY HALL	100G	EXIT CORRIDOR	D21	3'-0"	7'-6"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14	6 / A-640	0"	8.0	8 / A-641	45 MIN	REMOVE AND REPLACE WITH NEW WD DOOR TO MATCH
ST-A1B	ST-A	STAIR A	100G	EXIT CORRIDOR	D4	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	8 / A-641	90 MIN	
ST-P1B	ST-P1	STAIR P	ST-P1	STAIR P	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6 1/8"	9.0	13 / A-641	90 MIN	
ANNEX - 1ST FLR																				
150	150	FITNESS	141	CORRIDOR	D11	5'-0"	7'-0"	2					MATTE				10.0	7 / A-642	45 MIN	
ST-P			140	SECURITY LOBBY	D17	6'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			7.0	8 / A-641	90 MIN	
ST-P2	ST-P1	STAIR P	151	FAMILY READINESS	D7	5'-6"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14		6"	10.0	8 / A-641	90 MIN	

DOOR SCHEDULE

DOOR TAG	ROOM INFO FROM NUMBER	FROM NAME	TO NUMBER	TO NAME	DOOR TYPE	DOOR OVERAL L WIDTH	DOOR HEIGHT	DOOR # OF PANELS	DOOR MATERIA L	DOOR FINISH	DOOR COLOR	FRAME MATERIAL	FRAME FINISH	FRAME COLOR	FRAME JAMB DETAIL	FRAME THROAT	HW SET - REFERENCE SPECS	THRESHOLD	FIRE RATING	COMMENTS
ANNEX - 2ND FLR																				
250	ST-P	STAIR P	250	VESTIBULE	D17	5'-0"	7'-0"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	8 / A-641	90 MIN	
251	250	VESTIBULE	251	TLT	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	31.0	10 / A-641	45 MIN	
253	250	VESTIBULE	253	MULTI PURPOSE ROOM	D7	5'-0"	7'-0"	2								4 7/8"	26.0	1 / A-641	45 MIN	
2ND FLR																				
200A	200A	JC	203	WOMENS TLT/SHWR	D18	2'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	14.0	12 / A-641		
200B	200B	ELEC RM	200	CORRIDOR	D14	5'-8"	7'-7"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	13 / A-641	45 MIN	
200C	200	CORRIDOR	200C	ELEC RM	D14	5'-8"	7'-7"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	13 / A-641	45 MIN	
200D	200D	IDF	200	CORRIDOR	D14	5'-8"	7'-7"	2	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	13 / A-641	45 MIN	
201	200	CORRIDOR	201	B CO	D9	5'-8"	7'-7"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	8 / A-641	45 MIN	
201A	201	B CO	201A	XO	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
201B	201B	CO CDR	201	B CO	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
201C	201C	1SG	201	B CO	D3	3'-0"	7'-6"	1	HM	MATTE	PTD-14	SF	MATTE	PTD-14		4 7/8"	22.0	3 / A-641		
202	200	CORRIDOR	202	C CO	D9	5'-8"	7'-7"	0	HM	MATTE	PTD-14	HM	MATTE	PTD-14			10.0	6 / A-641	45 MIN	
203	200	VESTIBULE	203	WOMENS TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	28.0	9 / A-641	45 MIN	
203A	203A	C CO WOMENS LOCKER	203	WOMENS TLT/SHWR	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM	MATTE	PTD-14	1 / A-640	4 7/8"	14.0	11 / A-641		
205	205	MENS TLT/SHWR	200	VESTIBULE	D2	3'-0"	7'-0"	1	HM	MATTE	PTD-14	HM



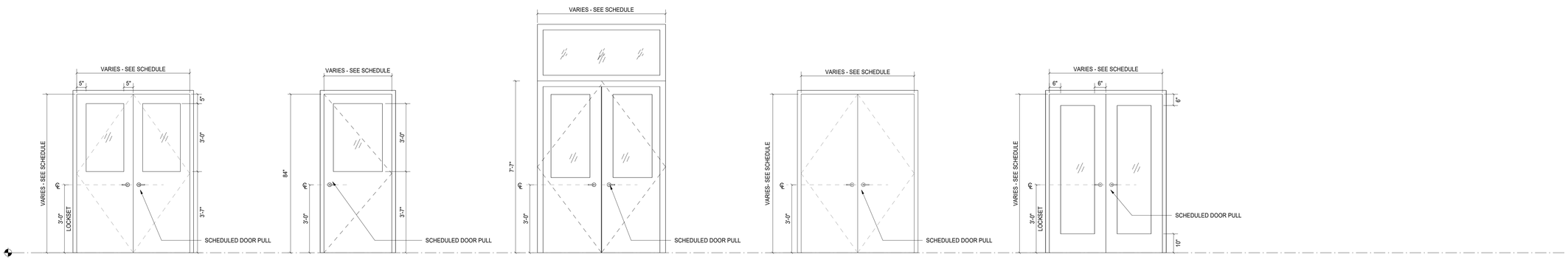
D1 DBL-FG
STOREFRONT DOOR; PRE-FUNCTION, COMPANY ROOMS
DOUBLE DOOR, 3/4" THICK, FULL GLASS
FRAME - WELDED HOLLOW METAL, 2.5" FACE

D2 SGL-F
UTILITY
SINGLE DOOR HOLLOW METAL, 1 3/4" THICK, FLUSH
FRAME - WELDED HOLLOW METAL, 2" FACE

D3 SGL-FG
OFFICE
SINGLE DOOR HOLLOW METAL, 1 3/4" THICK, FULL LITE
FRAME - HALLOW METAL, 2" FACE

D4 SGL-NG
STAIRCASE
SINGLE DOOR HOLLOW METAL, 1 3/4" THICK, NARROW LITE
FRAME - WELDED HOLLOW METAL, 2" FACE

D5 SGL-LG
?
SINGLE DOOR HOLLOW METAL, 1 3/4" THICK, LONG LITE
FRAME - WELDED HOLLOW METAL, 2" FACE



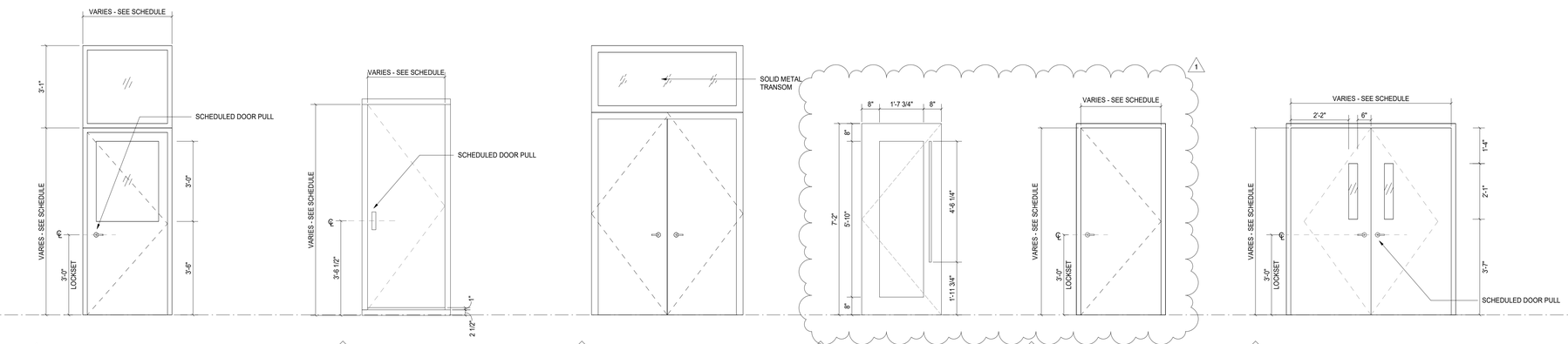
D7 DBL-HGL
FAMILY READINESS, DRILL HALL
DOUBLE DOOR HOLLOW METAL, 1 3/4" THICK, HALF GLASS
FRAME - WELDED HOLLOW METAL, 2" FACE

D8 SGL-HG
COMPANY ROOM
SINGLE DOOR HOLLOW METAL, 1 3/4" THICK, HALF LITE
FRAME - WELDED HOLLOW METAL, 2" FACE

D9 DBL-TR
COMPANY ROOM
DOUBLE DOOR HOLLOW METAL, 1 3/4" THICK, HALF GLASS, TRANSOM
FRAME - WELDED HOLLOW METAL, 2" FACE

D10 DBL-F
UTILITY
DOUBLE DOOR HOLLOW METAL, 1 3/4" THICK, FLUSH
FRAME - WELDED HOLLOW METAL, 2" FACE

D11 DBL-FG2
SECURITY LOBBY
DOUBLE DOOR HOLLOW METAL, 1 3/4" THICK, FULL GLASS
FRAME - WELDED HOLLOW METAL, 2" FACE



D12 SGL-TR-HG
COMPANY ROOMS
SINGLE DOOR HOLLOW METAL, 1 3/4" THICK, HALF LITE
FRAME - WELDED HOLLOW METAL, 2" FACE

D13 SGL-FG
PRE-FUNCTION & MUSEUM
SINGLE DOOR, 3/4" THICK, FULL GLASS
FRAME - WELDED HOLLOW METAL, 2.5" FACE

D14 UTILITY DOOR IN EXISTING OPENINGS
DOUBLE DOOR HOLLOW METAL, 1 3/4" THICK, FLUSH
FRAME - WELDED HOLLOW METAL, 2" FACE

D15 EXTERIOR DOOR AT LEX AVE SECURITY ENTRY
SINGLE DOOR, HOLLOW METAL, 1 3/4" THICK, FLUSH
FRAME - WELDED HOLLOW METAL, 2" FACE

D16 UTILITY
SINGLE DOOR, HOLLOW METAL, 1 3/4" THICK, FLUSH
FRAME - GWB,METAL , 2" FACE

D17 DBL-HGL
STAIR P
DOUBLE DOOR HOLLOW METAL, 1 3/4" THICK, NARRWO HALF LITE
FRAME - WELDED HOLLOW METAL, 2" FACE

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT JOHN JOSEPH MARVEL 031951 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE:

DOOR TYPES

DRAWING NUMBER: A-631

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
6/7/2024 1:50:01 PM
42x30 PLOT SHEET

_EXISTING DOOR SCHEDULE

DOOR TAG	ROOM INFO FROM NUMBER	ROOM INFO FROM NAME	ROOM INFO TO NUMBER	ROOM INFO TO NAME	EXISTING DOOR TYPE MARK	DOOR TYPE	DOOR OVERALL WIDTH	DOOR HEIGHT	DOOR # OF PANELS	DOOR MATERIAL	FRAME MATERIAL	HW SET - REFERENCE SPECS	DOOR RESTORATION SCOPE REFINISH	WOOD - PATCH	WOOD - FILL CRACK	WOOD - DUTCHMAN	WOOD - REFASTEN DISPLACED MEMBER	REMOVE ABANDONED ANCHORS & PATCH	REMOVE & REDO PREVIOUS REPAIR	CLEAN - PAINT	CLEAN - SOILING	CLEAN - ADHESIVE	DOOR RESTORATION NOTES	DESCRIPTION
Basement																								
EB03	B03	MULTI PURPOSE ROOM	B02	CLASSROOM	E7	DBL-F-PNL	5'-0"	6'-11"	2	WD	WD	SURVEY-20	X	X				X						RESTORE AND PIN CLOSED. RESTORE OR REPLACE HARDWARE WHICH DOES NOT NEED TO BE OPERABLE.
EB03A	B03	MULTI PURPOSE ROOM	B04	LEARNING CENTER	E7	SGL-F	2'-6"	6'-8"	1	WD	WD	SURVEY-24	X		X			X						RESTORE DOOR AND REPLACE HARDWARE WITH ACCESS CONTROL
EB03B	B03	MULTI PURPOSE ROOM	B00	CORRIDOR	E7	DBL-F-PNL	7'-4"	7'-5"	2	WD	WD	SURVEY-33	X	X										RESTORE DOOR AND REPLACE HARDWARE WITH ACCESS CONTROL
EB03C	B03	MULTI PURPOSE ROOM	B02	CLASSROOM	E7	DBL-F-PNL	5'-0"	6'-11"	2	WD	WD	SURVEY-31	X	X				X						RESTORE AND PIN CLOSED. RESTORE OR REPLACE HARDWARE WHICH DOES NOT NEED TO BE OPERABLE.
EB04	B04	LEARNING CENTER	B03	MULTI PURPOSE ROOM	E7	DBL-F-PNL	5'-4"	7'-6"	2	WD	WD	SURVEY-16	X		X			X						RESTORE DOOR AND REPLACE HARDWARE WITH ACCESS CONTROL
EB09	B62	CORRIDOR	B30C	VETERAN'S HALLWAY	E8	SGL-F-PNL	3'-0"	6'-3"	1	HM	HM	SURVEY-32										X		RESTORE
EB13	B30E	VESTIBULE	B30F	VESTIBULE	E8	DBL-F-PNL	6'-0"	7'-0"	2	WD	WD	SURVEY-31	X		X		X			X	X	X	TOP PANEL DISLOCATED ON RIGHT LEAF	RESTORE AND PIN OPEN
EB22	312	EXTERIOR COURT	B30	CORRIDOR		SGL-F	2'-11"	6'-7"	1	HM	HM	SURVEY-30												EXISTING EGRESS DOOR TO REMAIN
EB31	B30D	VESTIBULE	B59	MENS RM	E8	SGL-F	2'-6"	7'-2"	1	WD	WD	SURVEY-32			X	X						X	TRIM DISLOCATED ON TOP PANEL	RESTORE
EB33	B30D	VESTIBULE	B61	WOMENS RM	E8	SGL-F	2'-6"	7'-2"	1	WD	WD	SURVEY-32		X							X	X		RESTORE
EB58	B58	BLDG STOR (STATE)	B58A	VESTIBULE	E8	DBL-F-PNL	5'-2"	7'-0"	2	WD	WD	SURVEY-28					X					X		RESTORE
EB58A	B58A	VESTIBULE	B30C	VETERAN'S HALLWAY	E8	DBL-F-PNL	5'-2"	7'-0"	2	WD	WD	SURVEY-32		X	X									RESTORE
EXB63	316	EXIT	B63	BLDG STOR (STATE)	E20	SGL-F	2'-11"	6'-7"	1	HM	HM	SURVEY-30												EXISTING EGRESS DOOR TO REMAIN
FE2B	FE1	FE1	B30	CORRIDOR			9'-7"	8'-0"																
1ST FLR - T.O.F.F																								
E100	317	MAIN ENTRY STAIR LANDING	ST-C	STAIR C	E9	ARCH	12'-8"	12'-1"	2	WD	WD	SURVEY-30	X	X	X		X	X			X		MISSING HARDWARE, BOTTOM RAIL SEVERELY DAMAGED ON BOTH, ASTRAGALS DETACHING, PAINT PEELING.	RESTORE
E100A	000	SHAFT	100	ENTRY HALL	E17	SGL-F-PNL	3'-0"	7'-0"	1	WD	WD	SURVEY-11	X									X	WOOD-GRAINED ON 1 SIDE.	RESTORE AND PIN CLOSED. RESTORE OR REPLACE HARDWARE WHICH DOES NOT NEED TO BE OPERABLE.
E100B	ST-B	STAIR B	100A	CORRIDOR	E1	DBL-PNL-TR	6'-4"	7'-6"	2	WD	WD	SURVEY-32	X	X								X		RESTORE
E100C	100	ENTRY HALL	100C	CORRIDOR B	E2	DBL-PNL-TR	6'-1"	7'-6"	2	WD	WD	SURVEY-18			X			X						RESTORE DOOR AND REPLACE HARDWARE
E102	100B	CORRIDOR	102	REGIMENTAL HQ	E3	SGL-F-TR	3'-0"	7'-0"	1	WD	WD	SURVEY-33				X		X		X				RESTORE DOOR AND REPLACE HARDWARE WITH ACCESS CONTROL
E102A	102	REGIMENTAL HQ	102A	TLT	E6	SGL-F	2'-1"	7'-4"	1	WD	WD	SURVEY-24	X	X	X	X		X			X			RESTORE
E103	103	CMDR	ST-B	STAIR B	E3	SGL-F-TR	3'-0"	7'-0"	1	WD	WD	SURVEY-33	X	X	X	X	X	X						RESTORE DOOR AND REPLACE HARDWARE WITH ACCESS CONTROL
E103A	103	CMDR	104	DUFFY ROOM	E5	DBL-F-PNL	6'-0"	10'-0"	2	WD	WD	SURVEY-4	X		X	X		X		X				RESTORE
E103B	103	CMDR	104	DUFFY ROOM	E5	DBL-F-PNL	6'-0"	10'-0"	2	WD	WD	SURVEY-4	X		X			X						RESTORE
E103C	ST-B	STAIR B	103	CMDR	E6	SGL-F-TR	2'-0"	7'-0"	1	WD	WD	SURVEY-31	X	X	X	X						X		RESTORE AND PIN CLOSED. RESTORE OR REPLACE HARDWARE WHICH DOES NOT NEED TO BE OPERABLE.
E104	104	DUFFY ROOM	100A	CORRIDOR	E2	DBL-F-PNL	8'-2"	10'-1 1/2"	2	WD	WD	SURVEY-33	X	X	X	X				X		X		RESTORE DOOR AND REPLACE HARDWARE WITH ACCESS CONTROL
E105A	105	CMD SERGEANT	104	DUFFY ROOM	E5	DBL-F-PNL	6'-0"	10'-0"	2	WD	WD	SURVEY-32	X				X	X						RESTORE
E105B	105	CMD SERGEANT	104	DUFFY ROOM	E5	DBL-F-PNL	6'-0"	10'-0"	2	WD	WD	SURVEY-32	X					X						RESTORE
E105C	105	CMD SERGEANT	100A	CORRIDOR	E1	DBL-PNL-TR	6'-2"	7'-6"	2	WD	WD	SURVEY-33	X					X		X				RESTORE DOOR AND REPLACE HARDWARE WITH ACCESS CONTROL
E105D	105A	TLT	105	CMD SERGEANT	E6	SGL-F-PNL	3'-2"	9'-9"	1	WD	WD	SURVEY-32	X											RESTORE
E107A	107A	STORAGE	115	DMS OFFICE	E18	SGL-F	2'-9"	8'-0"	1	MT	MT	SURVEY-24												RESTORE AND PIN CLOSED. RESTORE OR REPLACE HARDWARE WHICH DOES NOT NEED TO BE OPERABLE.
E108A	108A	VESTIBULE	100	ENTRY HALL	E13	ARCH	3'-7 7/16"	7'-6 5/8"	1	WD	WD	SURVEY-24	X	X		X		X		X				RESTORE
E110	100E	CORRIDOR A	110	GARRYOWEN CLUB	E1	DBL-PNL-TR	5'-10"	8'-1"	2	WD	WD	SURVEY-1			X	X		X		X				RESTORE
E110B	110	GARRYOWEN CLUB	109	PRE-FUNCTION & MUSEUM DISPLAY	E4	SGL-F	3'-0"	8'-5"	1	WD	WD	SURVEY-24				X				X				RESTORE DOOR AND REPLACE HARDWARE WITH ACCESS CONTROL
E130	130	POV PARKING	100	ENTRY HALL	E11	ARCH	7'-0"	7'-11"	2	WD	WD	SURVEY-32	X	X						X		X		RESTORE
E130A	313	EXTERIOR STAIR	130	POV PARKING	E16	DBL-F-PNL	6'-1 21/32"	10'-0"	2	HM	HM	SURVEY-24	X										CORROSION ON EXTERIOR	EXISTING EGRESS DOOR TO REMAIN
E130B	100	ENTRY HALL	130	POV PARKING	E12	ARCH	18'-0"	13'-0"	2	WD	WD	SURVEY-32	X	X						X		X	WOOD GRAINED ON 1 SIDE; ASTRAGAL IN POOR CONDITION	RESTORE
E130C	130	POV PARKING	100A	CORRIDOR	E11	ARCH	7'-0"	7'-11"	2	WD	WD	SURVEY-32	X		X					X		X	CRACKED LEFT LEAF	RESTORE
E133	314	EXTERIOR STAIR	130	POV PARKING	E16	DBL-F-PNL	5'-8"	8'-3"	2	HM	HM	SURVEY-24	X										CORROSION ON EXTERIOR	EXISTING EGRESS DOOR TO REMAIN
E135	315	EXTERIOR STAIR	130	POV PARKING	E16	DBL-F-PNL	5'-8"	8'-4"	2	HM	HM	SURVEY-24	X										CORROSION ON EXTERIOR	EXISTING EGRESS DOOR TO REMAIN
E-FE2A						ELEV-4	9'-7"	8'-0"																
FE2	FE1	FE1	130	POV PARKING		ELEV-4	9'-7"	8'-0"																
ST-B1	ST-B	STAIR B	102	REGIMENTAL HQ	E6	SGL-F	3'-0"	8'-3"	1	WD	WD	SURVEY-1												RESTORE AND PIN CLOSED. RESTORE OR REPLACE HARDWARE WHICH DOES NOT NEED TO BE OPERABLE.
ST-C1	ST-C	STAIR C	100	ENTRY HALL	E10	ARCH	12'-4"	10'-6"	2	WD	WD	SURVEY-31												RESTORE
ANNEX - 1ST FLR																								
EST-P	140	SECURITY LOBBY	ST-P1	STAIR P	E15		8'-0 1/16"	9'-10 15/16"																RESTORE AND PIN OPEN
ANNEX - 2ND FLR																								
E252	252	MULTIPURPOSE ROOM	ST-P	STAIR P	E6	SGL-F-PNL	3'-7"	8'-8"	1	WD	WD	SURVEY-32	X	X										RESTORE
E252A	252	MULTIPURPOSE ROOM	252A	STORAGE	E6	SGL-F-PNL	3'-10"	8'-0"	1	WD	WD	SURVEY-24	X	X										RESTORE
E253	253	MULTI PURPOSE ROOM	252A	STORAGE	E4	DBL-F-PNL	5'-6"	7'-9"	2	WD	WD	SURVEY-24	X	X			X	X		X			STRIP WHITE PAINT FROM ONE SIDE	RESTORE
EST-P2	225	MEZZANINE	ST-P	STAIR P	E15		8'-0 1/16"	9'-10 15/16"				SURVEY-31												RESTORE AND PIN OPEN
2ND FLR																								
E225A	225	MEZZANINE	200	CORRIDOR	E14	DBL-G-TR	4'-5"	8'-0"	2	KALAMEIN	KALAMEIN	SURVEY-32										X		RESTORE
E225B	225	MEZZANINE	200	CORRIDOR	E14	DBL-G-TR	4'-5"	8'-0"	2	KALAMEIN	KALAMEIN	SURVEY-32										X		RESTORE
E225C	225	MEZZANINE	200	CORRIDOR	E14	DBL-G-TR	4'-5"	8'-0"	2	KALAMEIN	KALAMEIN	SURVEY-24										X		RESTORE
E225D	225	MEZZANINE	200	CORRIDOR	E14	DBL-G-TR	4'-4"	8'-0"	2	KALAMEIN	KALAMEIN	SURVEY-32										X		RESTORE
E225E	225	MEZZANINE	200	CORRIDOR	E14	DBL-G-TR	4'-5"	8'-0"	2	KALAMEIN	KALAMEIN	SURVEY-32										X		RESTORE
3RD FLR																								
E310A	318	BALCONY			E19	ARCH	3'-6"	5'-2"	1	KALAMEIN	KALAMEIN	SURVEY-24												RESTORE AND PIN CLOSED
4TH FLR																								
E405	405	HHC COMPANY	405	HHC COMPANY	E5	DBL-F-PNL	4'-8"	8'-2"	2	WD	WD	SURVEY-12	X	X					X			X		RESTORE AND PIN CLOSED
5TH FLR																								
E502-A	502E	CRAWL SPACE - SLOPED FLOOR	502D	STORAGE		SGL-F	3'-8"	8'-1"	1	HM	HM													EXISTING HM DOOR TO REMAIN
LOWER ROOF																								
EX06	ST-B	STAIR B	ST-B	STAIR B	E20	SGL-F	3'-0"	6'-8"	1	HM	HM	SURVEY-24												DOOR AT HEADHOUSE ROOF - REPLACE?

EXISTING DOORS - GENERAL NOTES

1. REFER TO AD-100 SERIES PLANS AND KEYNOTES FOR LOCATION OF EXISTING DOORS TO BE REMOVED, SALVAGED, AND RESTORED.
2. REFER TO EXISTING DOOR SCHEDULE ON A-635 WHICH LISTS ALL EXISTING DOORS TO REMAIN
3. EXISTING DOOR TYPES SHOWN ON SHEETS A-636 - A-639 ARE FOR DOOR TYPE REFERENCE ONLY. IMAGES ARE NOT SHOWN FOR EVERY DOOR. REFER TO EXISTING DOOR SCHEDULE FOR FULL LIST OF ALL DOORS TO BE RETAINED AND RESTORED.
4. PHOTOGRAPHS PROVIDED IN THE CONTRACT DOCUMENTS ARE FOR REFERENCE PURPOSES ONLY. THESE PHOTOS REPRESENT WHAT CONDITIONS WERE AT THE TIME THEY WERE TAKEN IN MAY NOT ACCURATELY REPRESENT CURRENT CONDITIONS.

RESTORATION SCOPE

1. DOOR RESTORATION OVERVIEW IS NOTED ON DOOR SCHEDULE
2. REFER TO SPECIFICATION 080110 FOR DETAILED RESTORATION NOTES
3. REFER TO SPECIFICATION 087100 FOR HARDWARE SETS

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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REGISTERED ARCHITECT JOHN JOSEPH MARVEL 031557 STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE:

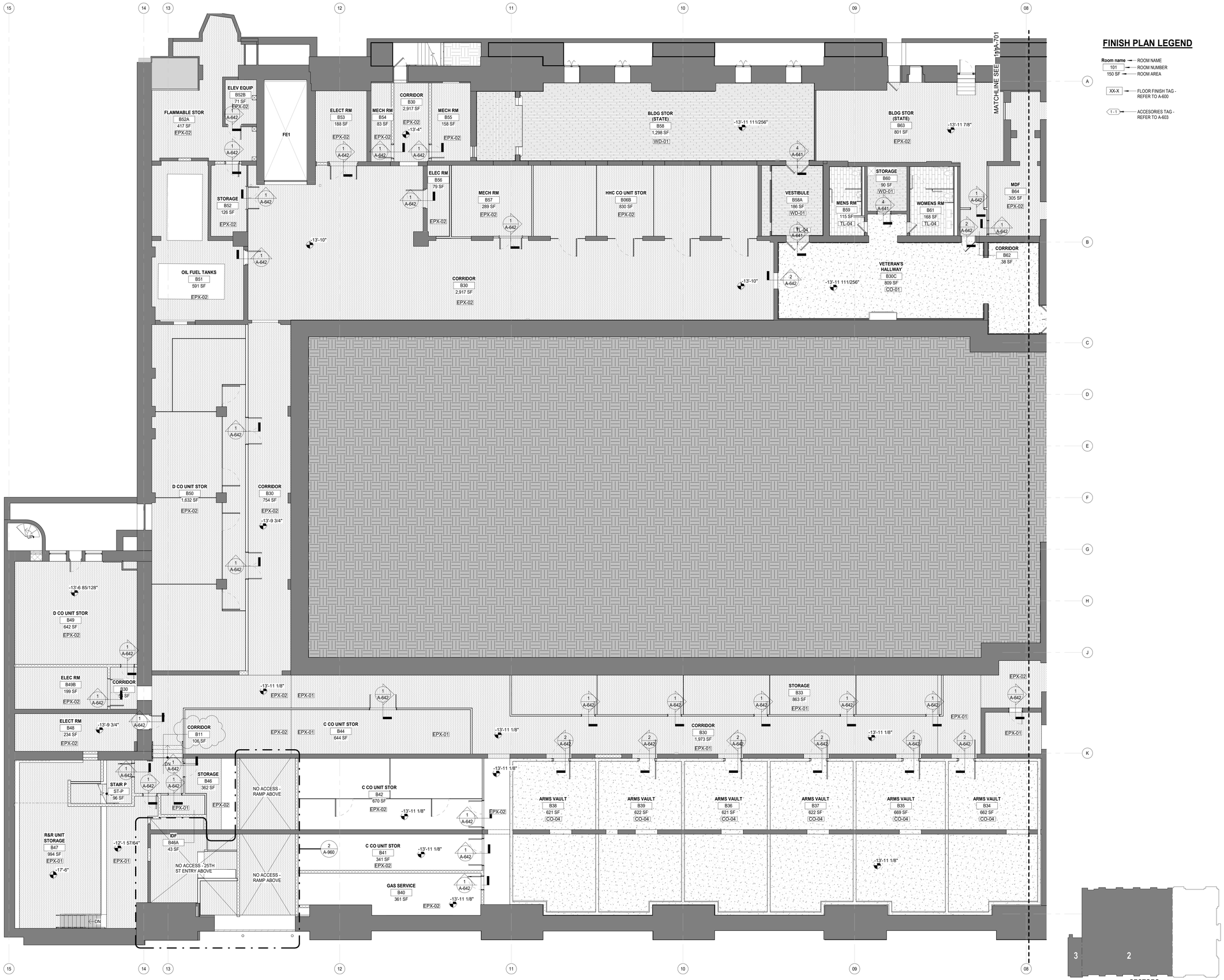
EXISTING DOOR SCHEDULE

DRAWING NUMBER:

A-635

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
6/7/2024 1:51:34 PM
42x30 PLOT SHEET



FINISH PLAN LEGEND

Room name — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA
XX-X — FLOOR FINISH TAG - REFER TO A-600
1 - 1 — ACCESORIES TAG - REFER TO A-603

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

SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT — JOHN P. MARVEL — 041031 — STATE OF NEW YORK
EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION
TITLE: NATIONAL GUARD READINESS CENTER ALTERATION
LOCATION: STATE ARMORY, 68 LEXINGTON AVENUE, NEW YORK, NY
CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

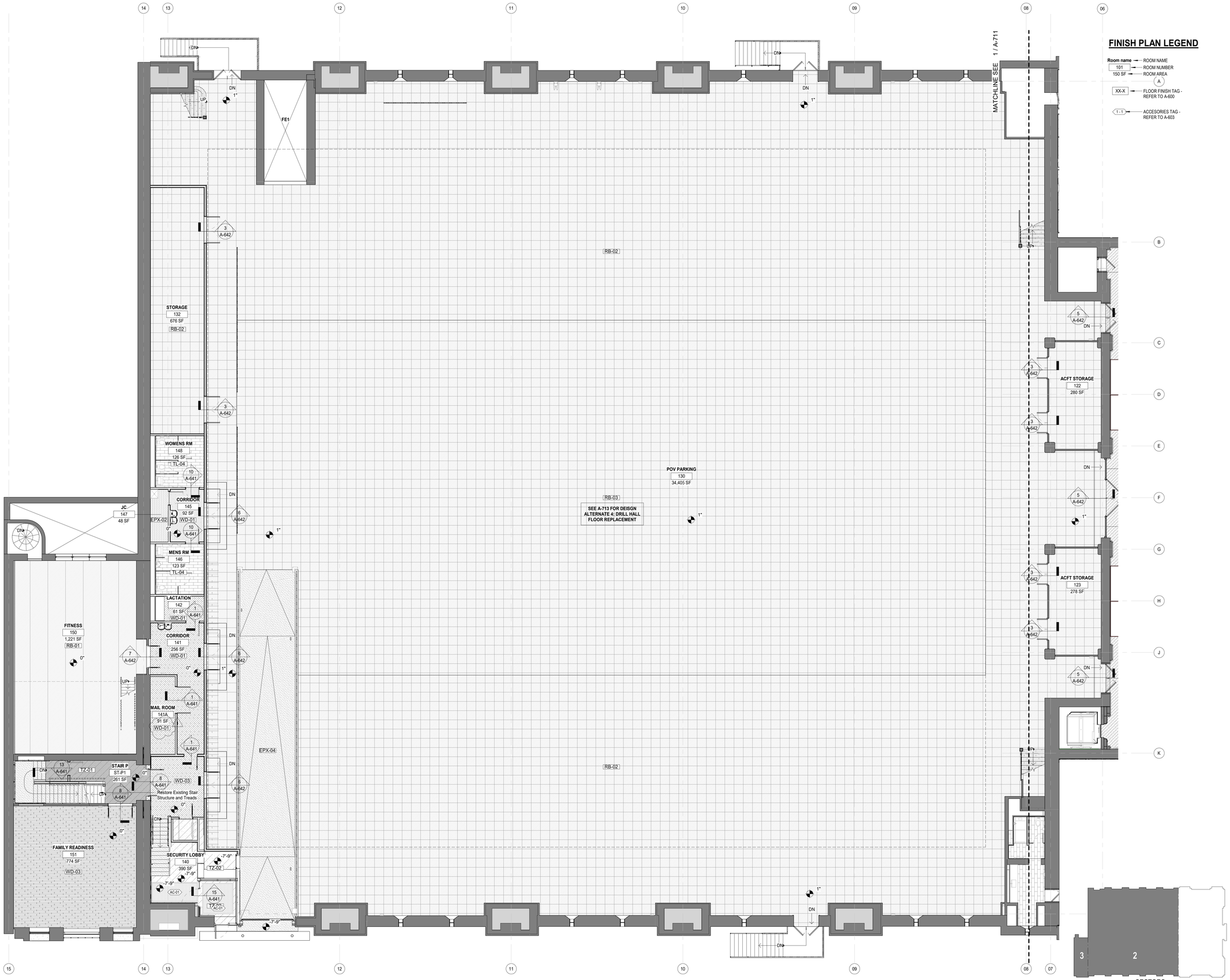
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: BASEMENT - FLOOR FINISH PLANS - SECTOR 2&3

DRAWING NUMBER: A-702

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
6/7/2024 12:27:18 PM
42x30 PLOT SHEET



1 **FIRST FLOOR PLAN SECTOR 2&3**
1/8" = 1'-0"

FINISH PLAN LEGEND

Room name — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA
XX-X — FLOOR FINISH TAG - REFER TO A-600
1 - 1 — ACCESORIES TAG - REFER TO A-603

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

UNIFORM CODE WRITTEN STATEMENT:
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ENERGY CODE WRITTEN STATEMENT:
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REGISTERED ARCHITECT JOHN DOE 12345 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

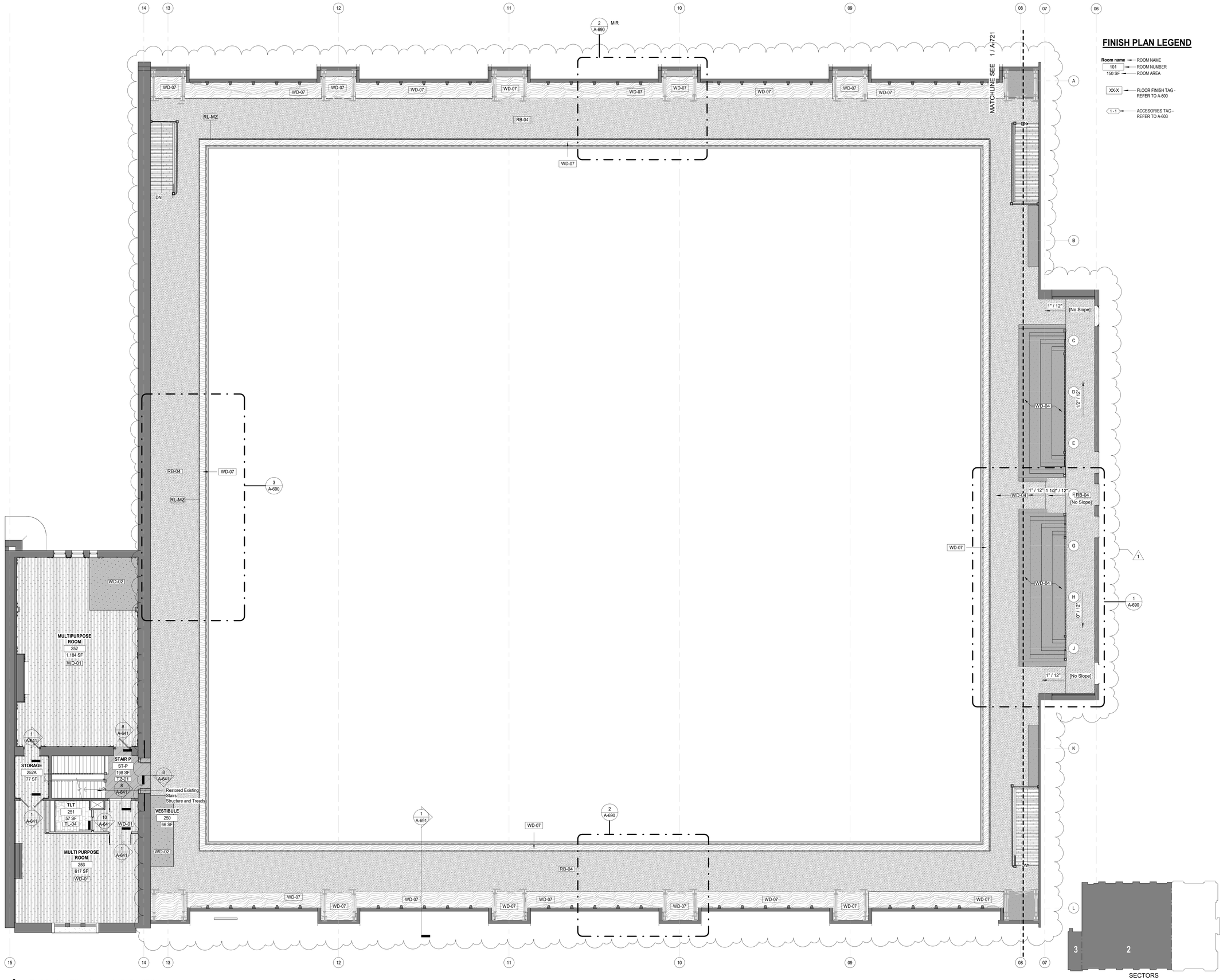
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: FIRST FLOOR FINISH - FINISH PLANS - SECTOR 2&3

DRAWING NUMBER: A-712

SHEET: OF

Autodesk Docs://2209_LEX.ARMORY/47166-LEX_ARCH-R24.rvt
6/7/2024 12:29:52 PM
42x30 PLOT SHEET



1 SECOND FLOOR PLAN - SECTOR 2&3

1/8" = 1'-0"

FINISH PLAN LEGEND

Room name — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA
XX-X — FLOOR FINISH TAG - REFER TO A-600
1 - 1 — ACCESORIES TAG - REFER TO A-603

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT JOHN MARVEL 031591 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

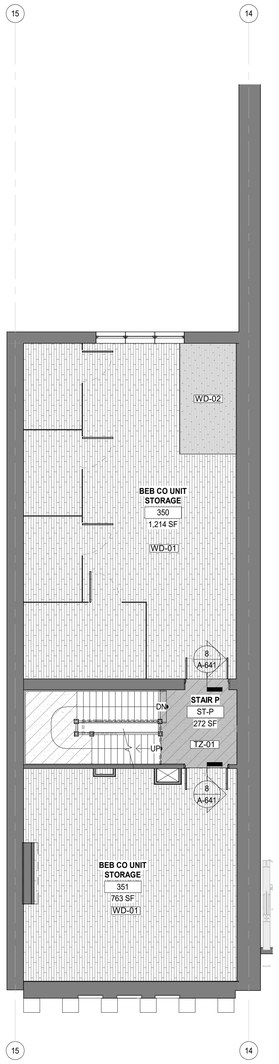
SHEET TITLE:

SECOND FLOOR - FLOOR FINISH PLANS - SECTOR 2&3

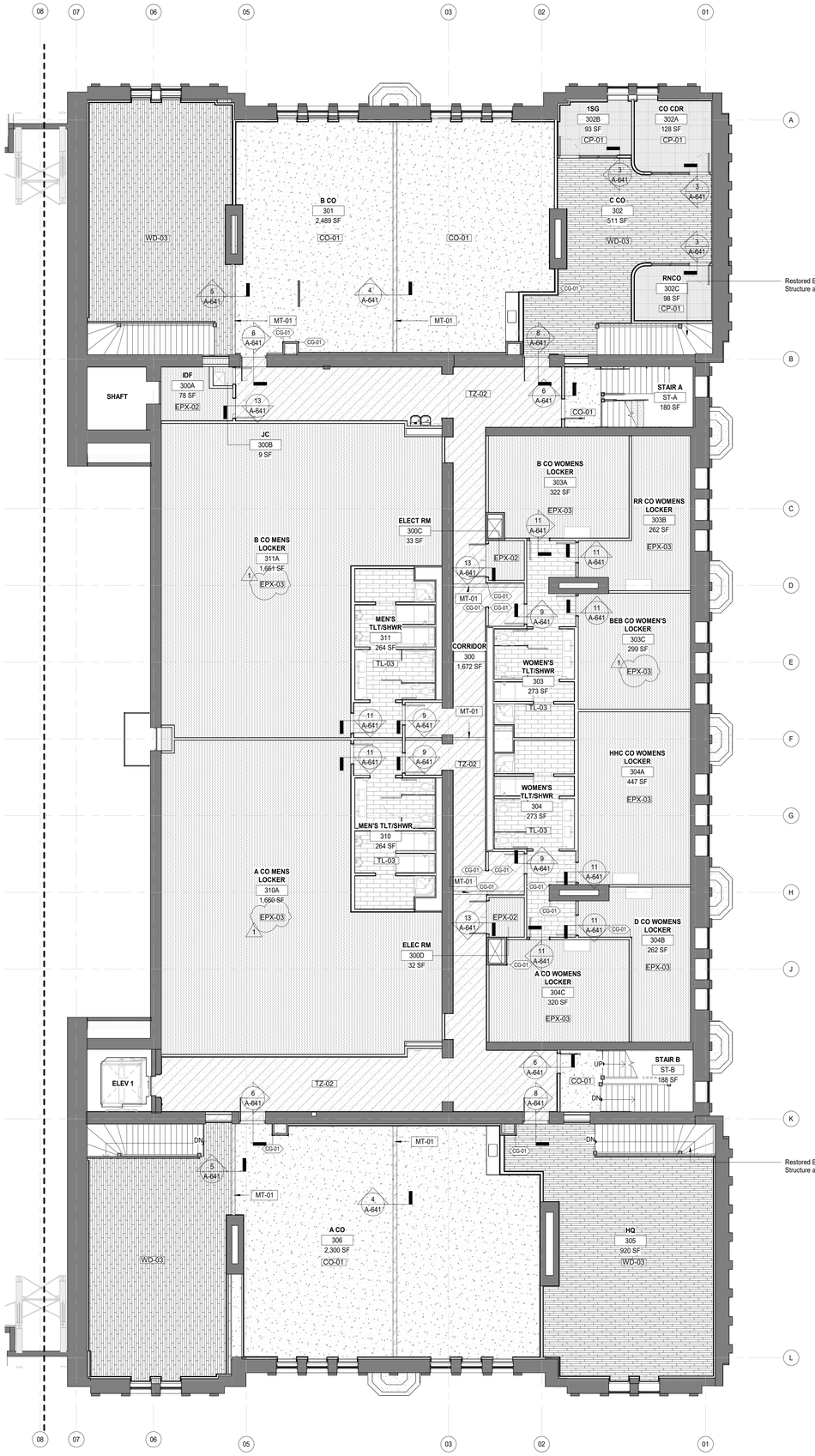
DRAWING NUMBER: A-722

SHEET: OF

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42x30 PLOT SHEET



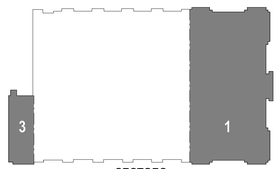
1 **THIRD FLOOR PLAN - SECTOR 3**
1/8" = 1'-0"



2 **THIRD FLOOR PLAN - SECTOR 1**
1/8" = 1'-0"

FINISH PLAN LEGEND

Room name — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA
XX-X — FLOOR FINISH TAG - REFER TO A-600
1 - 1 — ACCESORIES TAG - REFER TO A-603



KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE: THIRD FLOOR - FLOOR FINISH PLANS - SECTOR 1&3

DRAWING NUMBER: A-731

SHEET: OF

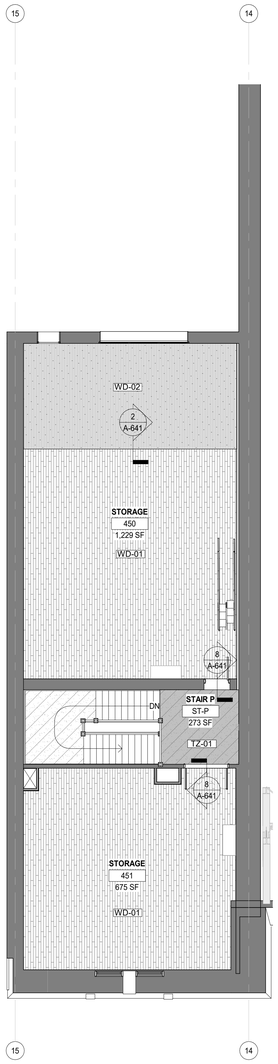
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42x30 PLOT SHEET

FINISH PLAN LEGEND

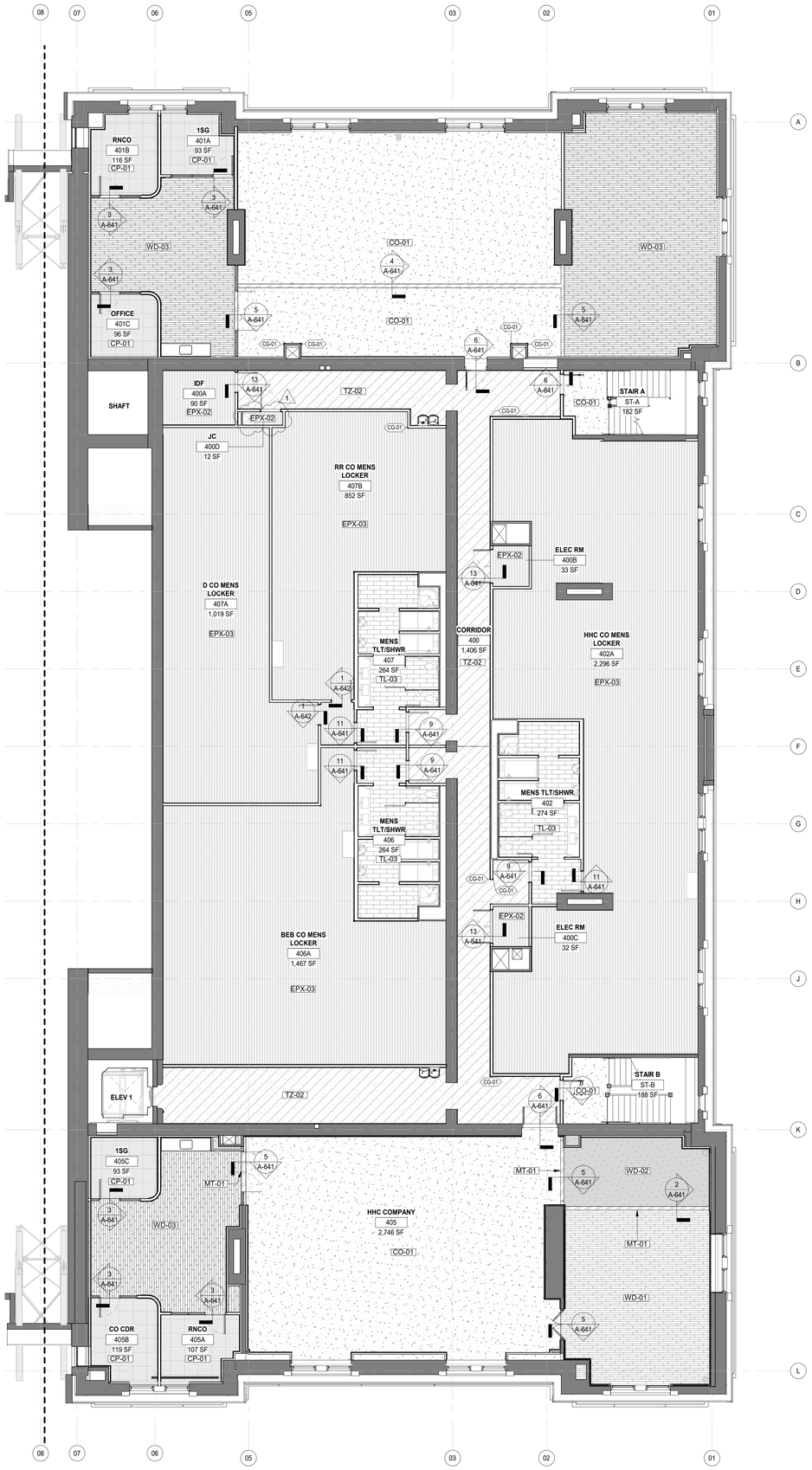
Room name — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA

XX-X — FLOOR FINISH TAG - REFER TO A-600

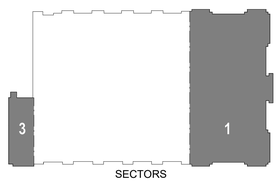
1 - 1 — ACCESORIES TAG - REFER TO A-603



2 FOUR FLOOR PLAN - SECTOR 3
1/8" = 1'-0"



1 FOURTH FLOOR PLAN - SECTOR 1
1/8" = 1'-0"



SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT ANTHONY JOHN MARVEL 031551 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

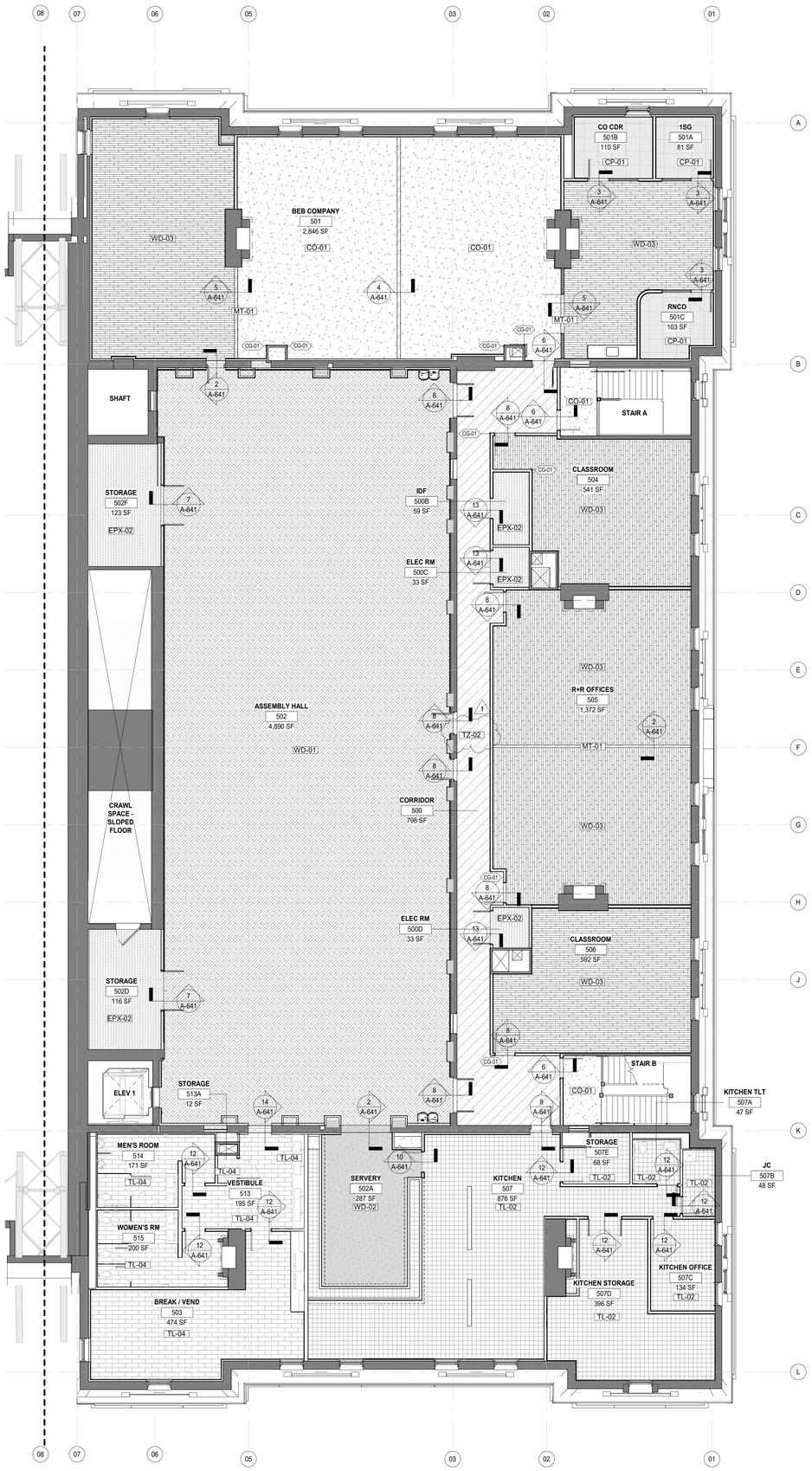
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE:
FOURTH FLOOR - FLOOR FINISH PLANS - SECTOR 1&3

DRAWING NUMBER:
A-741

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
6/7/2024 12:28:29 PM
42x30 PLOT SHEET



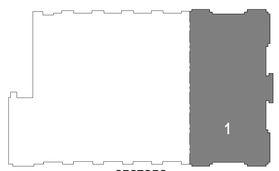
FINISH PLAN LEGEND

Room name — ROOM NAME
101 — ROOM NUMBER
150 SF — ROOM AREA

XX-X — FLOOR FINISH TAG - REFER TO A-600

1 - 1 — ACCESORIES TAG - REFER TO A-603

1 FIFTH FLOOR PLAN - SECTOR 1
1/8" = 1'-0"



SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT JOHN DOE 001001 STATE OF NEW YORK

EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

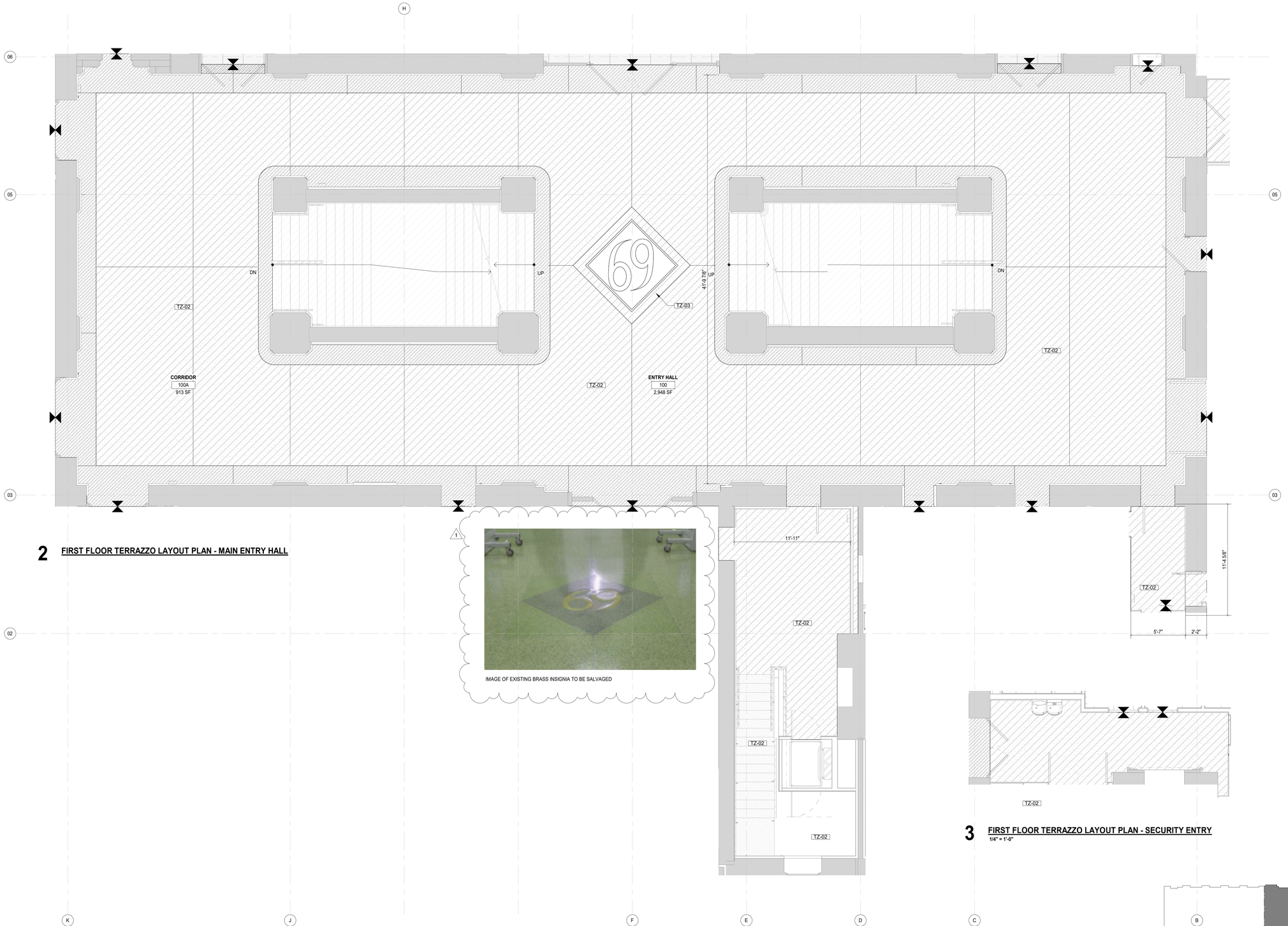
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: FIFTH FLOOR - FLOOR FINISH PLANS - SECTOR 1

DRAWING NUMBER: A-751

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
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42x30 PLOT SHEET

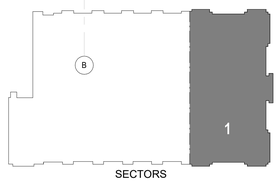


2 FIRST FLOOR TERRAZZO LAYOUT PLAN - MAIN ENTRY HALL

IMAGE OF EXISTING BRASS INSIGNIA TO BE SALVAGED

3 FIRST FLOOR TERRAZZO LAYOUT PLAN - SECURITY ENTRY

1/4" = 1'-0"



SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

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REGISTERED ARCHITECT — JOHN JOSEPH MARVEL — 031001 — STATE OF NEW YORK

EXPIRATION DATE:
03/31/2026

PROJECT NORTH

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE:

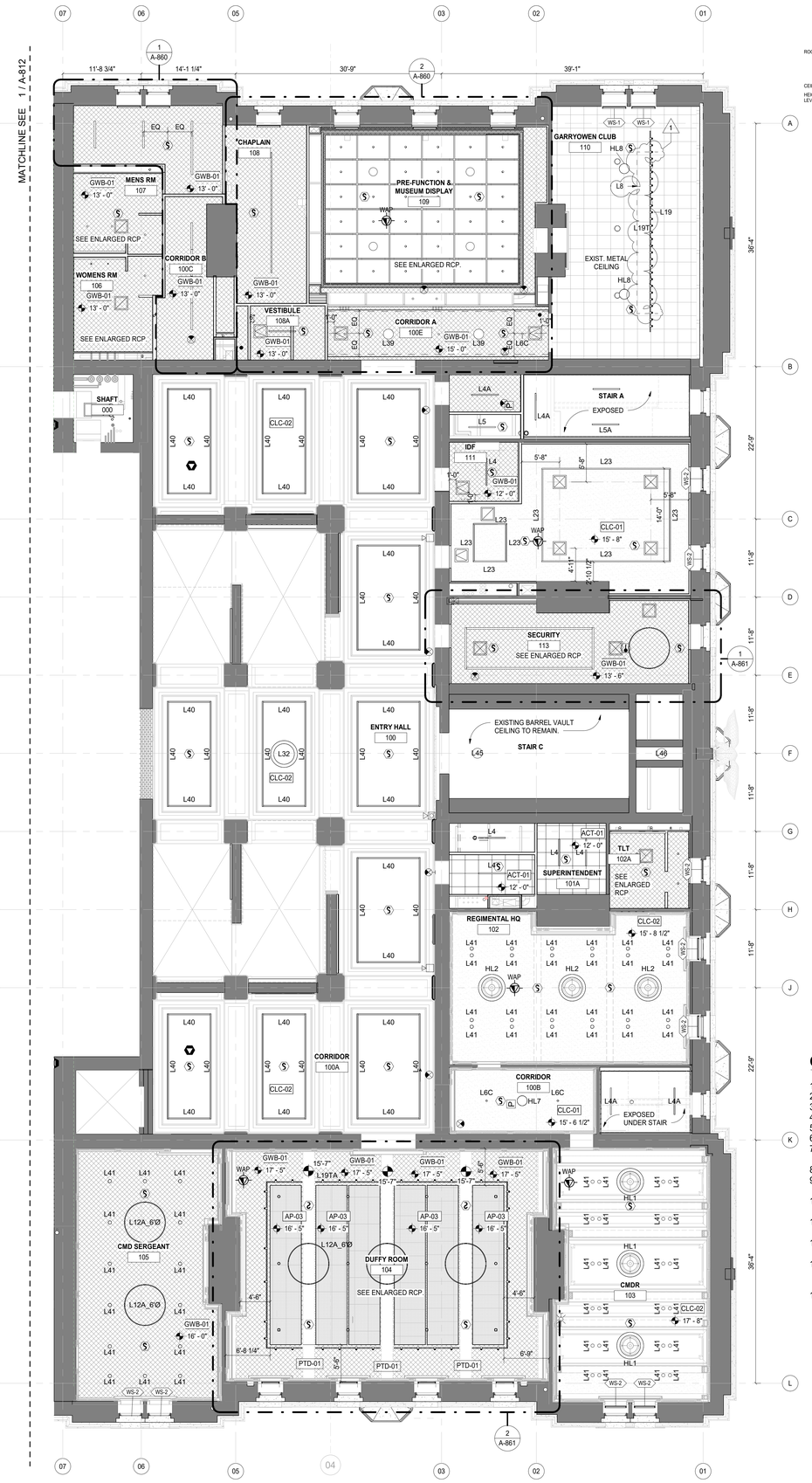
ENLARGED FIRST FLOOR TERRAZZO LAYOUT PLAN

DRAWING NUMBER:

A-760

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
6/7/2024 10:05:44 AM
42x30 PLOT SHEET



CEILING GRAPHIC LEGEND

- ROOM TAG
- CEILING TYPE TAG. REFER TO SHEET A-880 FOR CEILING TYPES.
- SE - TAG, SEE MATERIAL IDENT. LEGEND A-600.
- GWB CEILING
- 24" X 24" ACT CEILING
- EXISTING CEILING OR SLAB
- CEILING PATCHING/REPAIR
- EXISTING BEAM OR STRUCTURE
- RETURN REGISTER
- SUPPLY REGISTER
- EXHAUST VENT
- ROUND SUPPLY REGISTER
- ACESS PANEL
- SMOKE DETECTOR
- STROBE
- COMBO HORN & STROBE
- SPRINKLER HEAD
- EXIT SIGN
- SECURITY CAMERA
- EMERGENCY LIGHTS
- WAP WIRELESS ACCESS POINT
- J-BOX
- OCCUPANCY SENSOR
- ALTERNATE EXTENTS
- FPD FLAT PANEL DISPLAY
- S SPEAKER
- VP VIDEO PROJECTOR

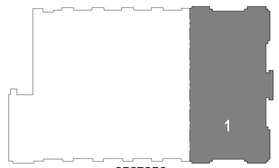
LIGHTING GRAPHIC LEGEND

- LINEAR LED PENDANT
- LINEAR LED SURFACE MOUNT
- LINEAR LED COVE LIGHT
- LINEAR FIXTURE RAIL MOUNT
- PANEL LIGHT
- FLOOD LIGHT
- HL HISTORIC PENDANT LIGHT
- CURVED LED PENDANT
- ROUND DOWNLIGHT PENDANT
- ROUND DOWNLIGHT RECESSED
- TRACK HEAD AND TRACK
- WALL SCONCE
- HL HISTORIC WALL SCONCE

*FOR LIGHTING FIXTURE SCHEDULE SEE LIGHTING SPECIFICATIONS

GENERAL RCP NOTES

1. SEE SHEET A-880 FOR TYPICAL CEILING ASSEMBLIES.
2. SEE SHEETS A-881 TO A-884 FOR CEILING DETAILS.
3. SEE SHEET A-600 FOR MATERIALS AND FINISHES.
4. ALL CEILING HEIGHTS SHOULD BE VERIFIED IN FIELD.
5. COLUMN GRID LINES ARE FOR REFERENCE ONLY.
6. 'EM' DESIGNATES EMERGENCY LIGHTING.
7. REFER TO ELEC. DRAWINGS FOR SWITCHING AND CIRCUITING.
8. ELECTRICAL CLOSET CEILINGS TO BE EXPOSED TO UNDERSIDE OF CONCRETE SLAB, UNLESS OTHERWISE NOTED.
10. LIGHTING FIXTURE CUT SHEETS INCLUDED IN PROJECT SPECIFICATIONS.
11. UNDERLAY OF KITCHEN AND BATHROOMS ARE FOR REFERENCE ONLY.
12. AV/IT EQUIPMENT SHOWN FOR REFERENCE ONLY. SEE AV/IT SHEETS FOR MORE INFORMATION
13. REFER TO E-SERIES FOR COUNT PER SPACE AND REQUIREMENTS OF ALL SENSORS AND DETECTORS LOCATED ON CEILINGS
14. REFER TO A-800-SERIES FOR PHYSICAL ALIGNMENT OF ALL SENSORS, AND DETECTORS LOCATED ON CEILINGS



KEY PLAN

1 RCP - 1ST FLR - SECTOR 1
1/8" = 1'-0"

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

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EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

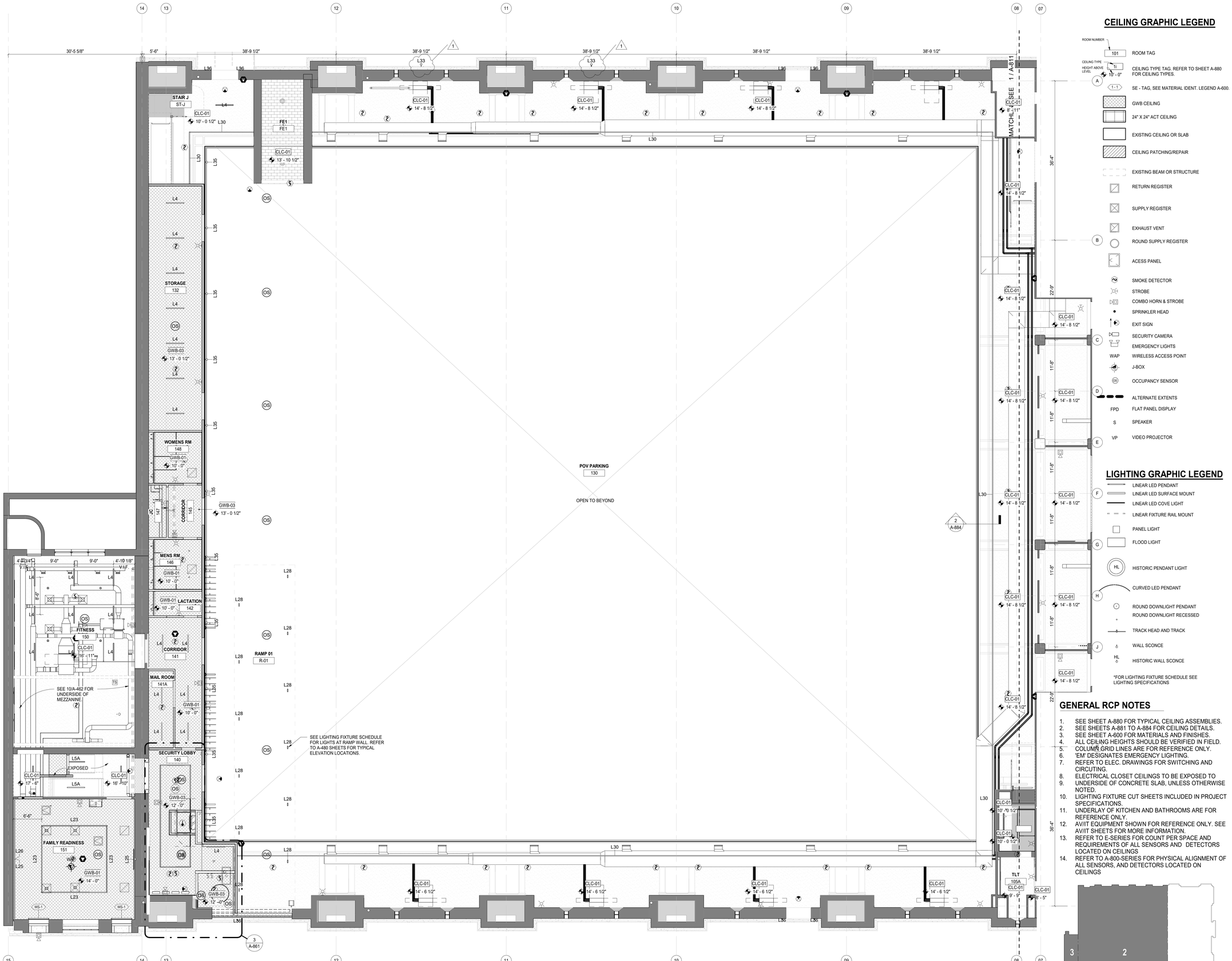
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

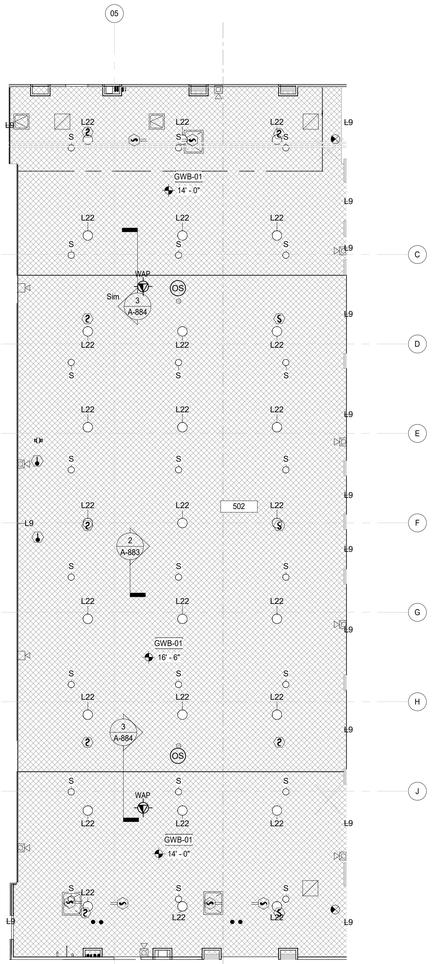
SHEET TITLE: 1ST FLOOR RCP - SECTOR 1

DRAWING NUMBER: A-811

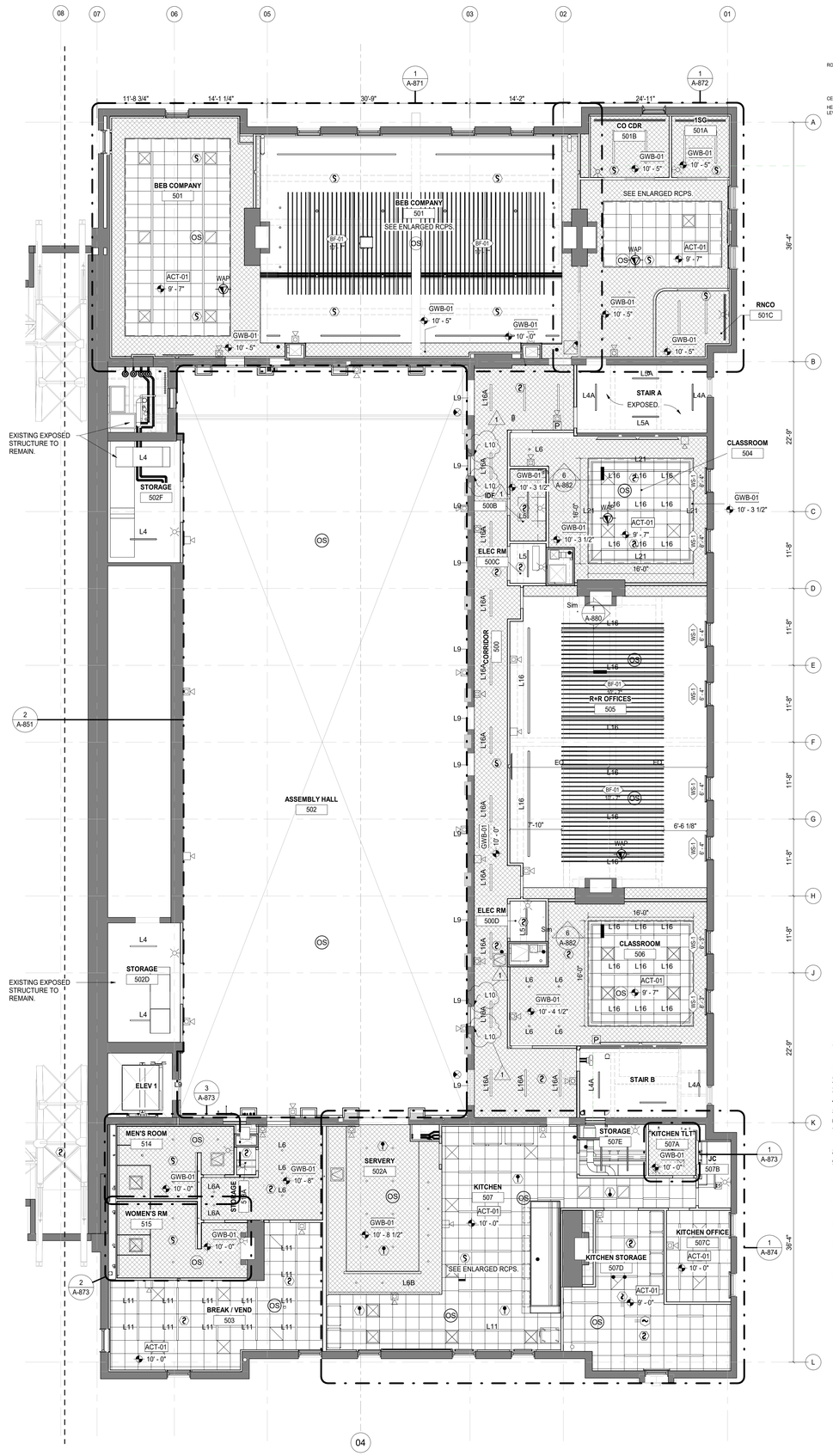
SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
6/4/2024 4:48:51 PM
42x30 PLOT SHEET


30'-5 5/8"
5'-6"
38'-9 1/2"
STAIR J
ST-J
CLC-01
10' - 0 1/2"
FE1
13' - 10 1/2"
STORAGE
132
GWB-03
13' - 0 1/2"
WOMENS RM
148
GWB-01
10' - 0"
CORRIDOR
145
MENS RM
146
LACTATION
142
FITNESS
150
16' - 11"
CORRIDOR
141
MAIL ROOM
141A
SECURITY LOBBY
140
12' - 0"
FAMILY READINESS
151
14' - 0"
SEE 10/A-462 FOR UNDERSIDE OF MEZZANINE
EXPOSED
RAMP 01
R-01
SEE LIGHTING FIXTURE SCHEDULE FOR LIGHTS AT RAMP WALL. REFER TO A-480 SHEETS FOR TYPICAL ELEVATION LOCATIONS.
POV PARKING
130
OPEN TO BEYOND
14' - 8 1/2"
14' - 6 1/2"
MATCH L-SEE 1 / A-811
8' - 11"
22'-9"
36'-4"
11'-8"
TLT
105A
9' - 9"
8' - 5"
2
A-884
3
A-861
1
1
1



2 RCP - 5TH FLR - ASSEMBLY HALL
1/8" = 1'-0"



1 RCP - 5TH FLR - SECTOR 1
1/8" = 1'-0"

CEILING GRAPHIC LEGEND

- ROOM NUMBER / 101 — ROOM TAG
- CEILING TYPE / HEIGHT ABOVE LEVEL / 1i / 10' - 0" — CEILING TYPE TAG. REFER TO SHEET A-880 FOR CEILING TYPES.
- 1 - 1 — SE - TAG, SEE MATERIAL IDENT. LEGEND A-600.
- GWB CEILING
- 24" X 24" ACT CEILING
- EXISTING CEILING OR SLAB
- CEILING PATCHING/REPAIR
- EXISTING BEAM OR STRUCTURE
- RETURN REGISTER
- SUPPLY REGISTER
- EXHAUST VENT
- ROUND SUPPLY REGISTER
- ACESS PANEL
- SMOKE DETECTOR
- STROBE
- COMBO HORN & STROBE
- SPRINKLER HEAD
- EXIT SIGN
- SECURITY CAMERA
- EMERGENCY LIGHTS
- WAP — WIRELESS ACCESS POINT
- J-BOX
- OS — OCCUPANCY SENSOR
- ALTERNATE EXTENTS
- FPD — FLAT PANEL DISPLAY
- S — SPEAKER
- VP — VIDEO PROJECTOR

LIGHTING GRAPHIC LEGEND

- LINEAR LED PENDANT
- LINEAR LED SURFACE MOUNT
- LINEAR LED COVE LIGHT
- LINEAR FIXTURE RAIL MOUNT
- PANEL LIGHT
- FLOOD LIGHT
- HL — HISTORIC PENDANT LIGHT
- CURVED LED PENDANT
- ROUND DOWNLIGHT PENDANT
- ROUND DOWNLIGHT RECESSED
- TRACK HEAD AND TRACK
- WALL SCONCE
- HL — HISTORIC WALL SCONCE

*FOR LIGHTING FIXTURE SCHEDULE SEE LIGHTING SPECIFICATIONS

GENERAL RCP NOTES

1. SEE SHEET A-880 FOR TYPICAL CEILING ASSEMBLIES.
2. SEE SHEETS A-881 TO A-884 FOR CEILING DETAILS.
3. SEE SHEET A-600 FOR MATERIALS AND FINISHES.
4. ALL CEILING HEIGHTS SHOULD BE VERIFIED IN FIELD.
5. COLUMN GRID LINES ARE FOR REFERENCE ONLY.
6. 'EM' DESIGNATES EMERGENCY LIGHTING.
7. REFER TO ELEC. DRAWINGS FOR SWITCHING AND CIRCUITING.
8. ELECTRICAL CLOSET CEILINGS TO BE EXPOSED TO
9. UNDERSIDE OF CONCRETE SLAB, UNLESS OTHERWISE NOTED.
10. LIGHTING FIXTURE CUT SHEETS INCLUDED IN PROJECT SPECIFICATIONS.
11. UNDERLAY OF KITCHEN AND BATHROOMS ARE FOR REFERENCE ONLY.
12. AV/IT EQUIPMENT SHOWN FOR REFERENCE ONLY. SEE AV/IT SHEETS FOR MORE INFORMATION.
13. REFER TO E-SERIES FOR COUNT PER SPACE AND REQUIREMENTS OF ALL SENSORS AND DETECTORS LOCATED ON CEILINGS
14. REFER TO A-800-SERIES FOR PHYSICAL ALIGNMENT OF ALL SENSORS, AND DETECTORS LOCATED ON CEILINGS



SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

UNIFORM CODE WRITTEN STATEMENT:
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EXPIRATION DATE: 03/31/2026

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

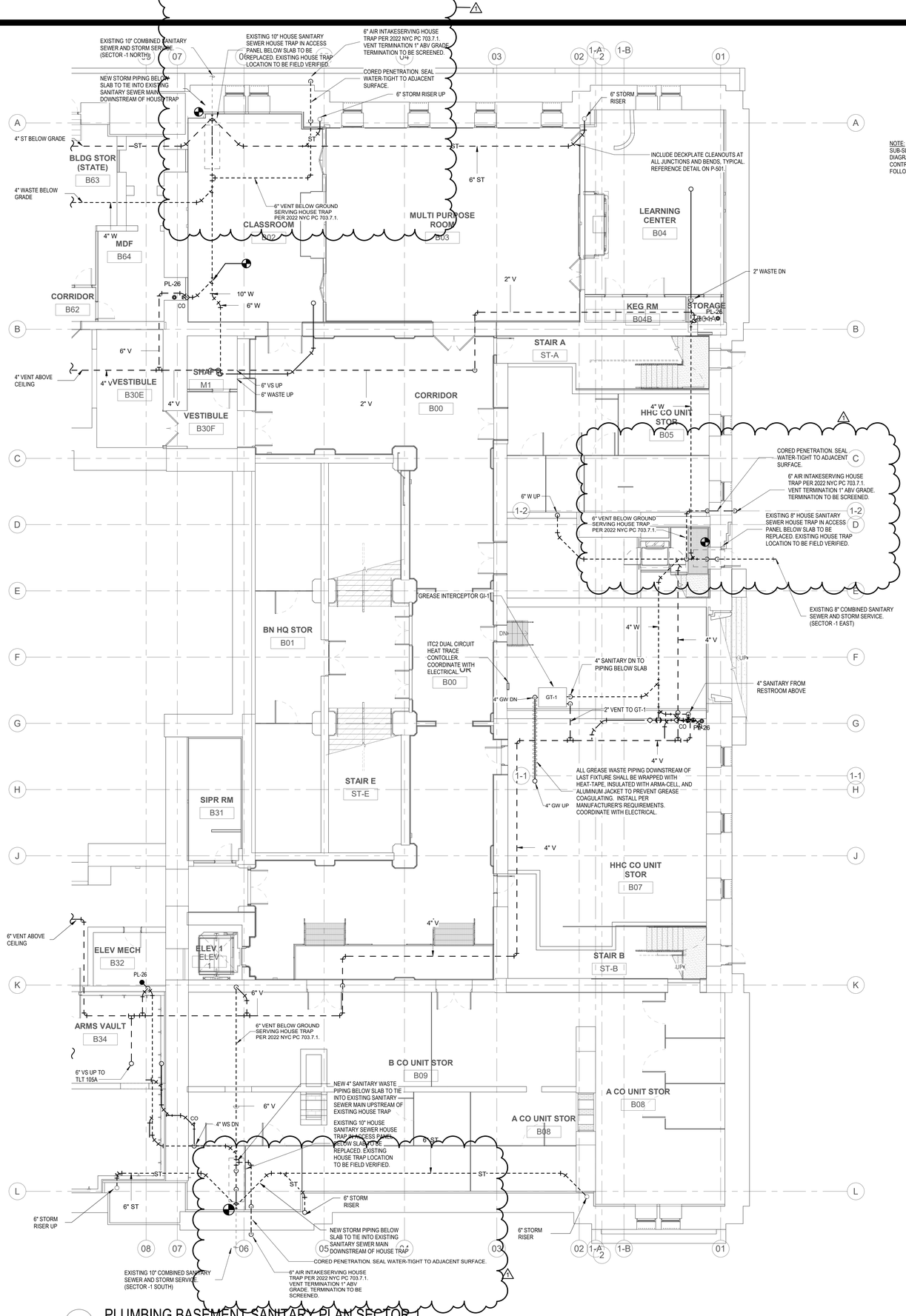
PROJECT NUMBER:	47166-C
DESIGNED BY:	MARVEL
DRAWN BY:	MARVEL
FIELD CHECK:	Checker
APPROVED:	Approver

SHEET TITLE: 5TH FLOOR RCP - SECTOR 1

DRAWING NUMBER: A-851

SHEET: OF

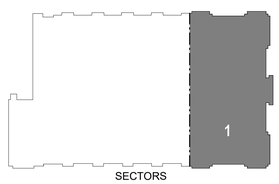
Autodesk Docs://2209_LEX ARMORY/47166-LEX_ARCH-R24.rvt
6/4/2024 10:32:58 AM
42x30 PLOT SHEET



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

1 PLUMBING BASEMENT SANITARY PLAN SECTOR 1

1/8" = 1'-0"



SECTORS

KEY PLAN

Autodesk Docs://2209_LEX.ARMORY/47166-LEX Fire & Plumbing R24.rvt
6/6/2024 4:35:27 PM
42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

Dewberry

NOTE:
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STATE OF NEW YORK · NICHOLAS R. SAPONARA · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: December 31, 2025

PROJECT NORTH

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

SHEET TITLE:
PLUMBING BASEMENT WASTE AND VENT PLAN SECTOR 1

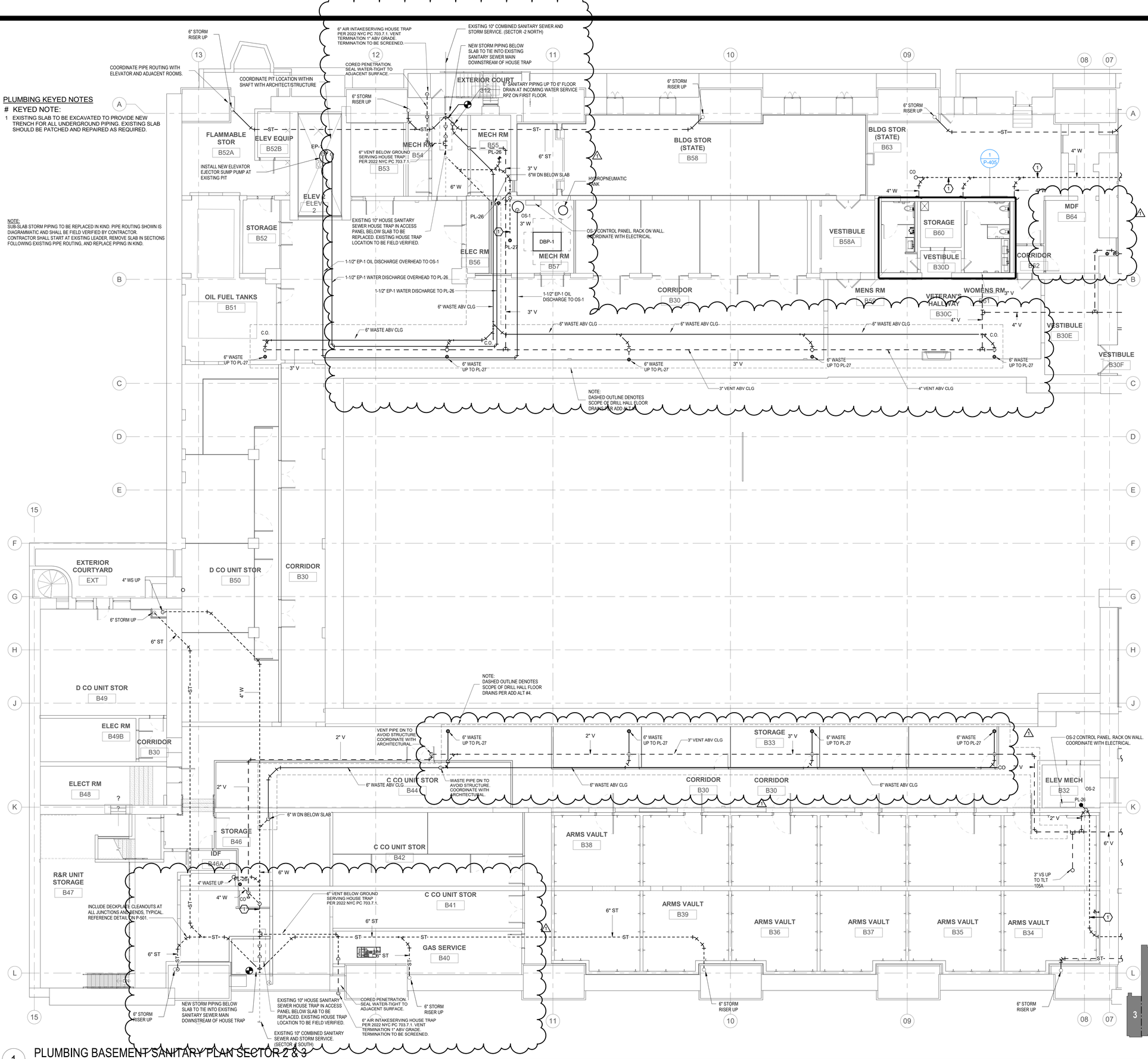
DRAWING NUMBER:
P-101

SHEET: OF

PLUMBING KEYED NOTES

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

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



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

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6/7/2024 4:26:47 PM
42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

Dewberry

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STATE OF NEW YORK NICHOLAS R. SAPONARA 097703 LICENSED PROFESSIONAL ENGINEER
EXPIRATION DATE: December 31, 2025

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

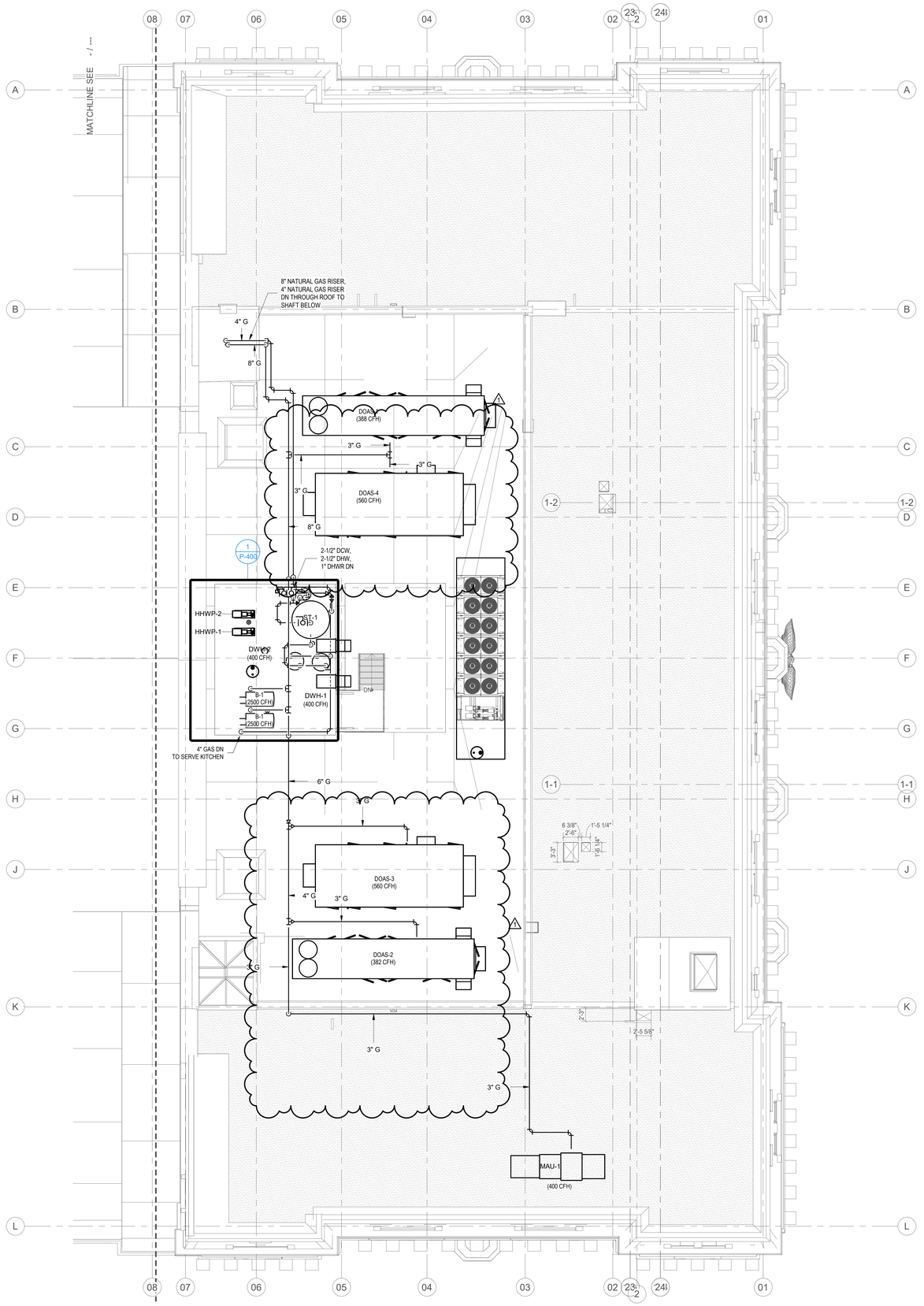
1	06-07-2024	ADDENDUM 5
	02-29-2024	BID SET
MARK	DATE	DESCRIPTION

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

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

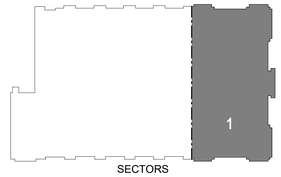
DRAWING NUMBER: P-102

SHEET: OF



1 PLUMBING ROOF DOMESTIC WATER & NAT. GAS PLAN

1/8" = 1'-0"



SECTORS

KEY PLAN

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

Dewberry

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EXPIRATION DATE:
December 31, 2024

PROJECT NORTH

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

PROJECT NUMBER: 47166-C

DESIGNED BY: GEORGE LORUSSO

DRAWN BY: GEORGE LORUSSO

FIELD CHECK: GREG MUELLER

APPROVED: NICK SAPONARA

SHEET TITLE:

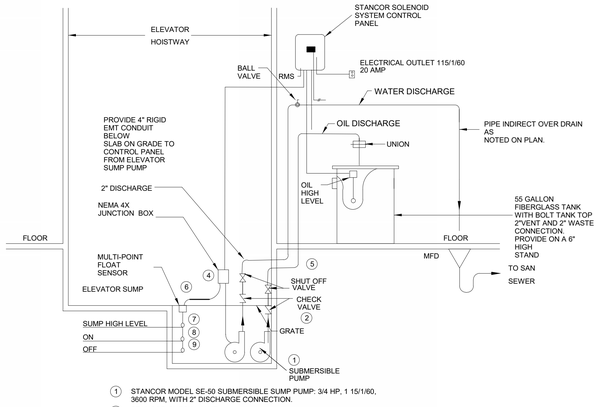
PLUMBING ROOF DOMESTIC WATER & NAT. GAS PLAN

DRAWING NUMBER:

P-162

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX Fire & Plumbing R24.rvt
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42x30 PLOT SHEET

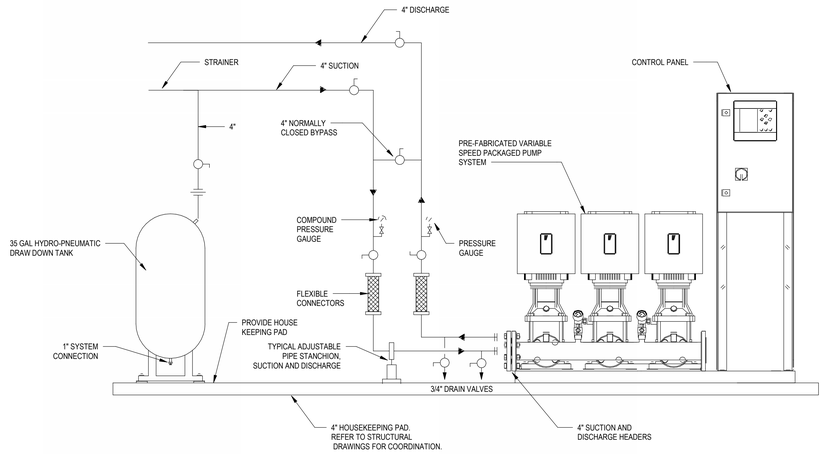


1. STANCOR MODEL SE-50 SUBMERSIBLE SUMP PUMP: 3/4 HP, 1 15/1/60, 3600 RPM, WITH 2" DISCHARGE CONNECTION.
2. STANCOR CHECK VALVE.
3. STANCOR SOLENOID SYSTEM CONTROL PANEL: 115V. 1PHASE WITH PANEL MOUNTED AUDIBLE AND VISUAL ALARMS. ALARM IS ACTIVATED IF OIL IS ENSED IN SUMP, OR A HIGH LIQUID LEVEL IN THE SUMP. PROVIDE RESET BUTTON TO SILENCE AUDIBLE ALARM. VISUAL ALARM REMAINS ACTIVATED UNTIL ALARM CONDITION IS CORRECTED. PROVIDE A MANUAL RESET BUTTON FOR DETECTION OF OIL. PROVIDE SET OF N.O. DRY CONTACTS THAT CLOSE WHEN ANY ALARM ACTIVATED FOR REMOTE MONITORING BY BUILDING AUTOMATION SYSTEM CONTROL PANEL STARTS PUMP WHEN PUMP-OH FLOAT SWITCH MAKES.
4. JUNCTION BOX PROVIDED WITH MULTI-PIN CONNECTOR AND CORD IN LENGTHS AS REQUIRED. CORD SHALL BE A SINGLE LENGTH.
5. ALL BURIED PUMP PRESSURE DISCHARGE PIPING SHALL BE PROTECTED WITH TAPECOAT CT CORROSION PROTECTION TAPE.
6. PROVIDE MULTI-PIN CONNECTOR AND CORD FOR PUMP POWER, LEVEL CONTROL, HIGH LEVEL ALARM AND OIL DETECTION ALARM. PROVIDE CORD IN LENGTHS AS REQUIRED IS STANDARD, WITH OPTIONAL ADDITIONAL LENGTHS AVAILABLE IN 2SFT INCREMENTS.
7. HIGH LIQUID ALARM FLOAT WITH CLAMP DEVICE TO MOUNT TO PUMP DISCHARGE PIPING.
8. PUMP - ON FLOAT.
9. OIL SENSOR MOUNTED ON PUMP.
10. ALL WIRING AND CONDUIT OUTSIDE OF POWER SOURCE TO PANEL IS PROVIDED UNDER THE PLUMBING CONTRACT.

NOTE: ALL PUMPING SYSTEMS SHALL BE INSTALLED TO MEET ASTM A17.1 AND ALL GOVERNING CODES.

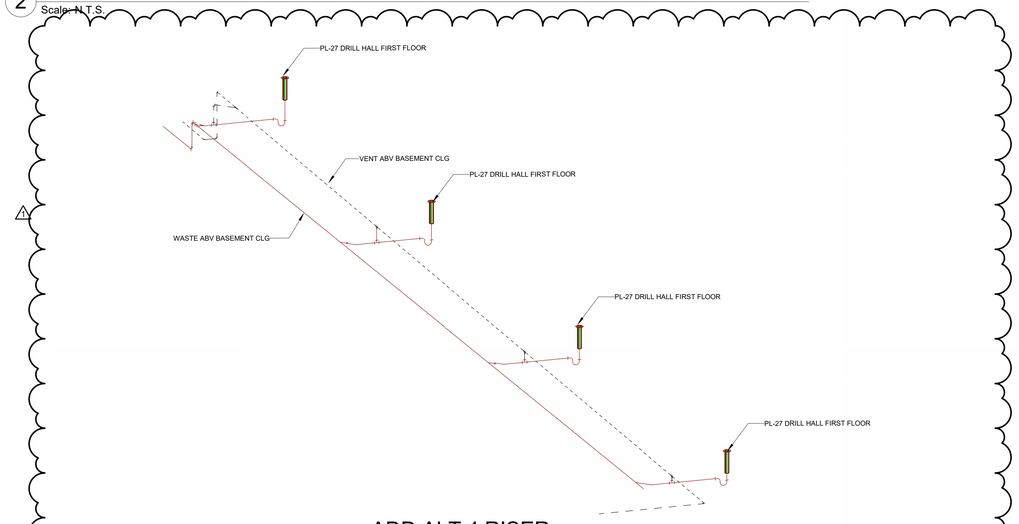
1 ELEVATOR PIT SUMP PUMP DETAIL

Scale: N.T.S.



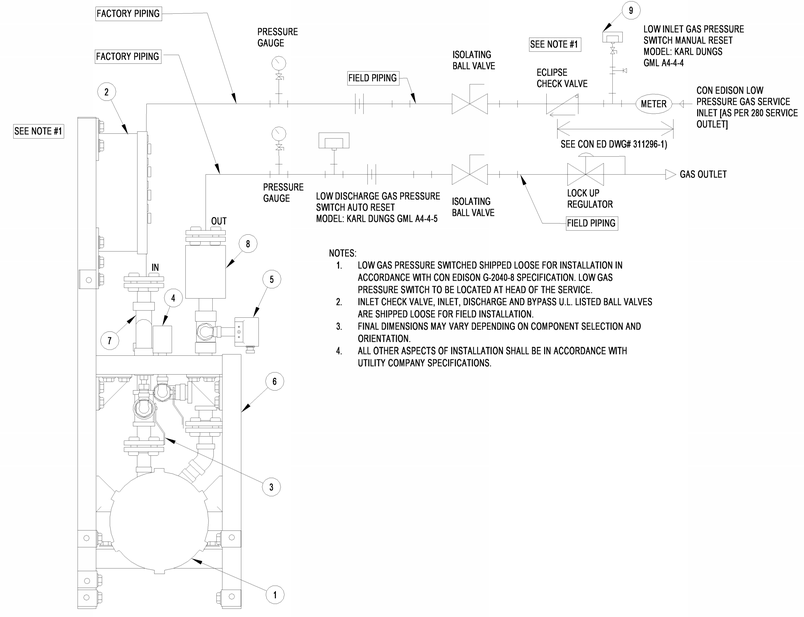
2 BOOSTER PUMP DETAIL

Scale: N.T.S.



5 ADD ALT 4 RISER

Scale:

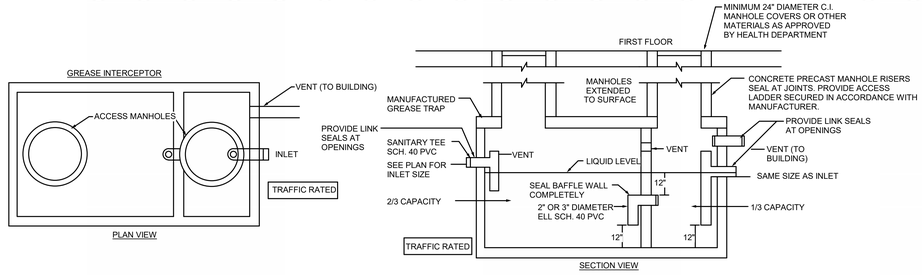


NOTES:

1. LOW GAS PRESSURE SWITCHED SHIPPED LOOSE FOR INSTALLATION IN ACCORDANCE WITH CON EDISON G-2040-8 SPECIFICATION. LOW GAS PRESSURE SWITCH TO BE LOCATED AT HEAD OF THE SERVICE.
2. INLET CHECK VALVE, INLET, DISCHARGE AND BYPASS U.L. LISTED BALL VALVES ARE SHIPPED LOOSE FOR FIELD INSTALLATION.
3. FINAL DIMENSIONS MAY VARY DEPENDING ON COMPONENT SELECTION AND ORIENTATION.
4. ALL OTHER ASPECTS OF INSTALLATION SHALL BE IN ACCORDANCE WITH UTILITY COMPANY SPECIFICATIONS.

3 GAS BOOSTER PUMP DETAIL

Scale: N.T.S.



PRECAST REINFORCED, WITH BAFFLES, TO MEET LOCAL HEALTH DEPARTMENT REQUIREMENTS.

PROVIDE GREASE INTERCEPTOR IN ACCORDANCE WITH LOCAL INSPECTION SERVICES REQUIREMENTS

NOTE:SEAL ALL JOINTS SO INTERCEPTOR IS COMPLETELY WATER TIGHT TO INFILTRATION OR EXFILTRATION

4 DETAIL OF GREASE INTERCEPTOR

Scale: N.T.S.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

Dewberry

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STATE OF NEW YORK · NICHOLAS R. SAPONARA · 027000 · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE:
December 31, 2025

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

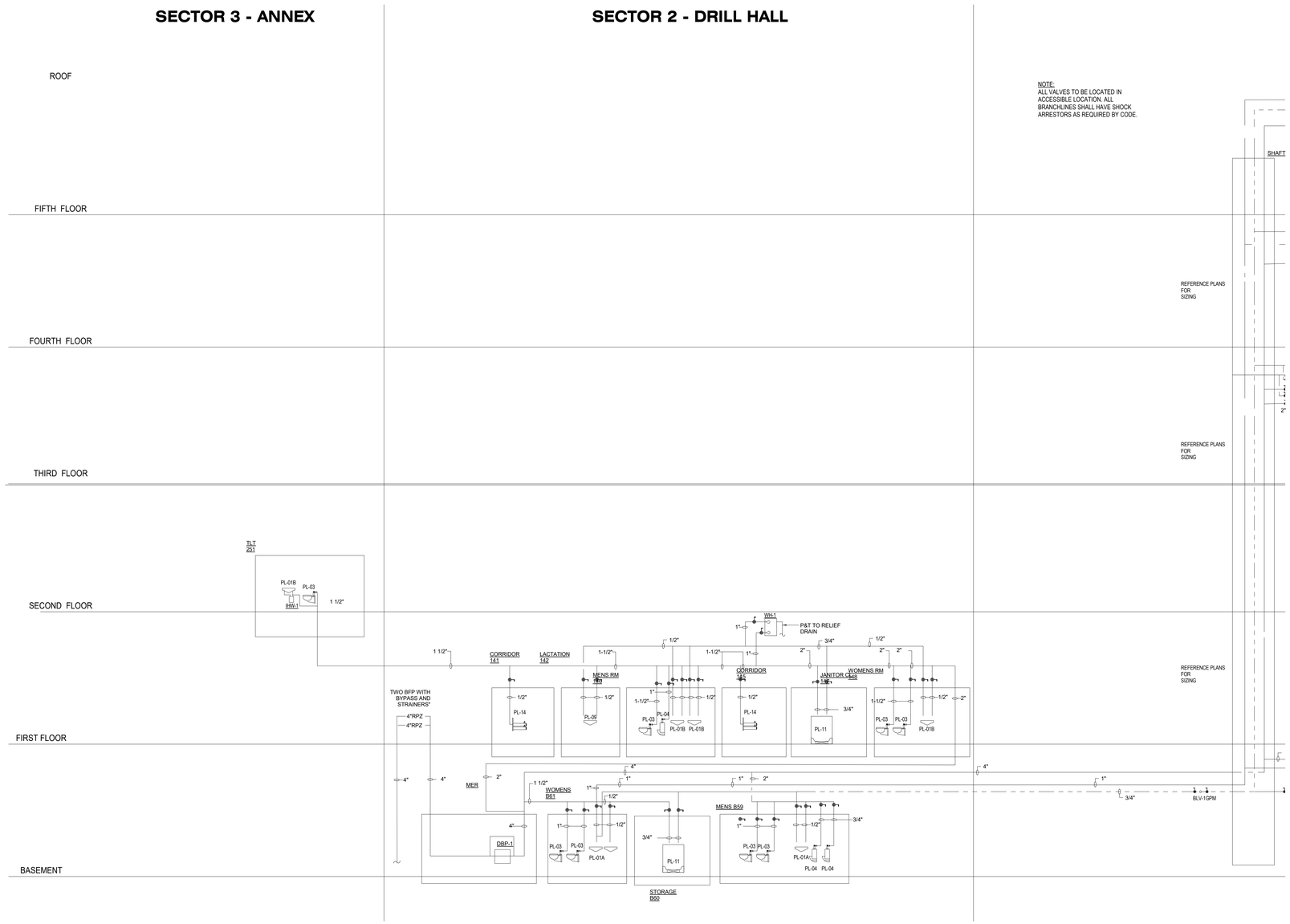
PROJECT NUMBER:	47166-C
DESIGNED BY:	GEORGE LORUSSO
DRAWN BY:	GEORGE LORUSSO
FIELD CHECK:	GREG MUELLER
APPROVED:	NICK SAPONARA

SHEET TITLE:
PLUMBING DETAILS

DRAWING NUMBER:
P-503

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX Fire & Plumbing R24.rvt
6/7/2024 4:22:58 PM
42x30 PLOT SHEET



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

Autodesk Docs://2209_LEX ARMORY/47166-LEX Fire & Plumbing R24.rvt
6/6/2024 4:35:40 PM
42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

Dewberry

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STATE OF NEW YORK NICHOLAS R. SAPONARA LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE:
December 31, 2025

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STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
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MARK	DATE	DESCRIPTION
1	06-07-2024	ADDENDUM 5
	02-29-2024	BID SET

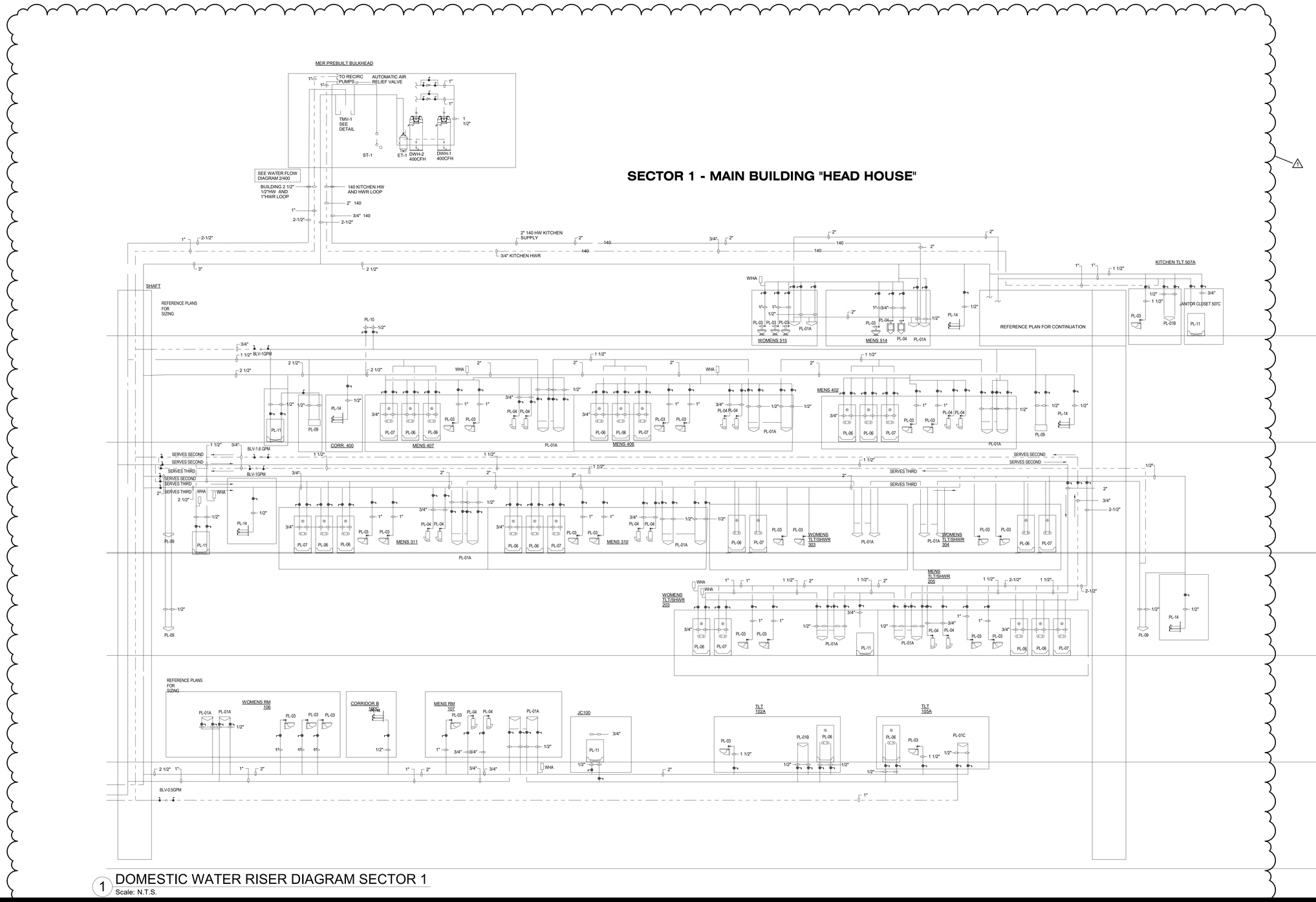
PROJECT NUMBER:	47166-C
DESIGNED BY:	GEORGE LORUSSO
DRAWN BY:	GEORGE LORUSSO
FIELD CHECK:	GREG MUELLER
APPROVED:	NICK SAPONARA

SHEET TITLE:
PLUMBING DOMESTIC WATER RISERS

DRAWING NUMBER:
P-900

SHEET: OF

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



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

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6/6/2024 4:35:40 PM
42x30 PLOT SHEET

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

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STATE OF NEW YORK · NICHOLAS R. SAPONARA · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE:
December 31, 2025

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

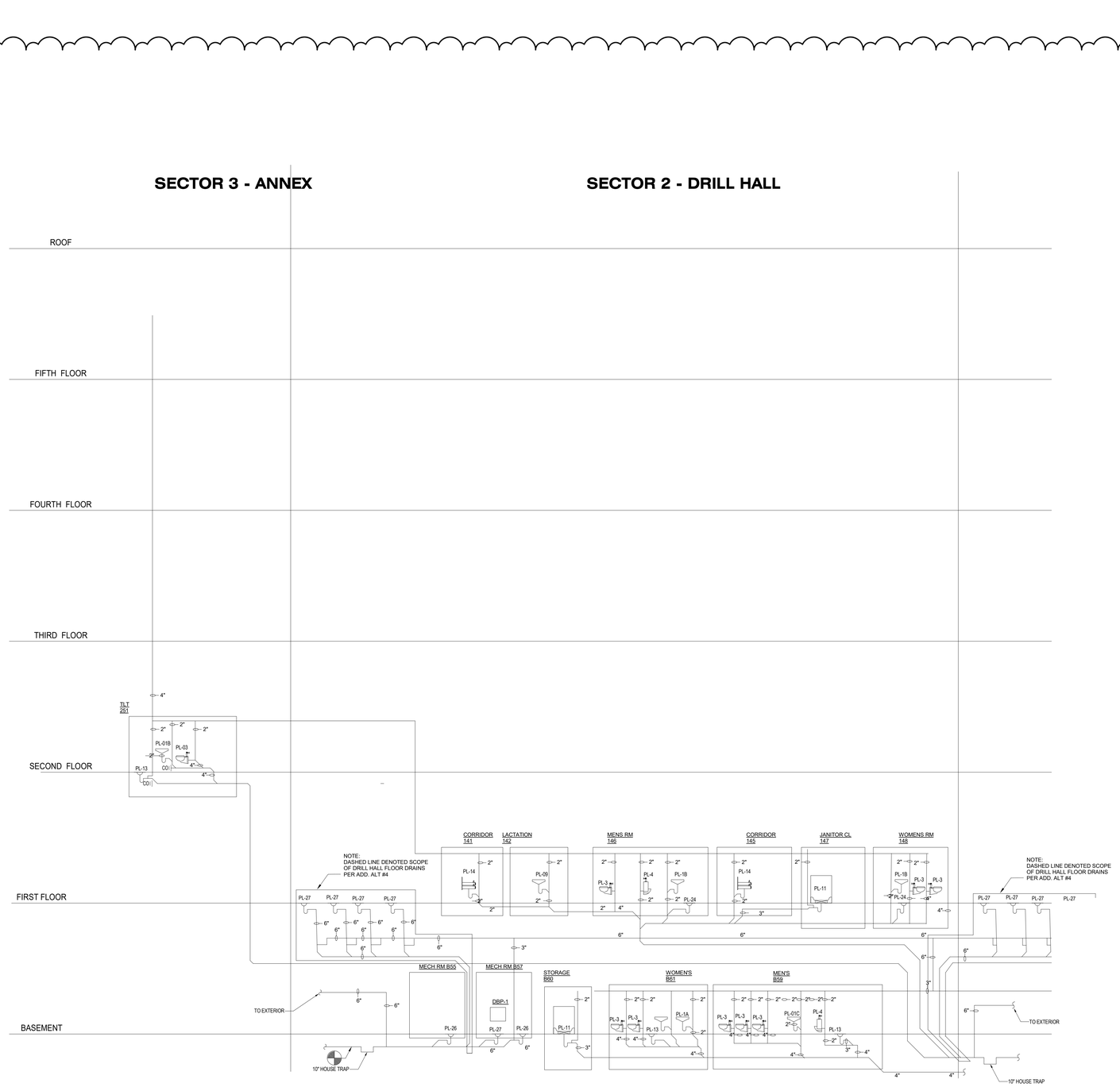
1	06-07-2024	ADDENDUM 5
	02-29-2024	BID SET
MARK	DATE	DESCRIPTION

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

SHEET TITLE:
PLUMBING DOMESTIC WATER RISERS

DRAWING NUMBER:
P-901

SHEET: OF



1 SANITARY WASTE AND VENT RISER DIAGRAM SECTOR 2 & 3

Scale: N.T.S.

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

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

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	02-29-2024	BID SET

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

SHEET TITLE:

PLUMBING SANITARY WASTE AND VENT RISERS

DRAWING NUMBER:

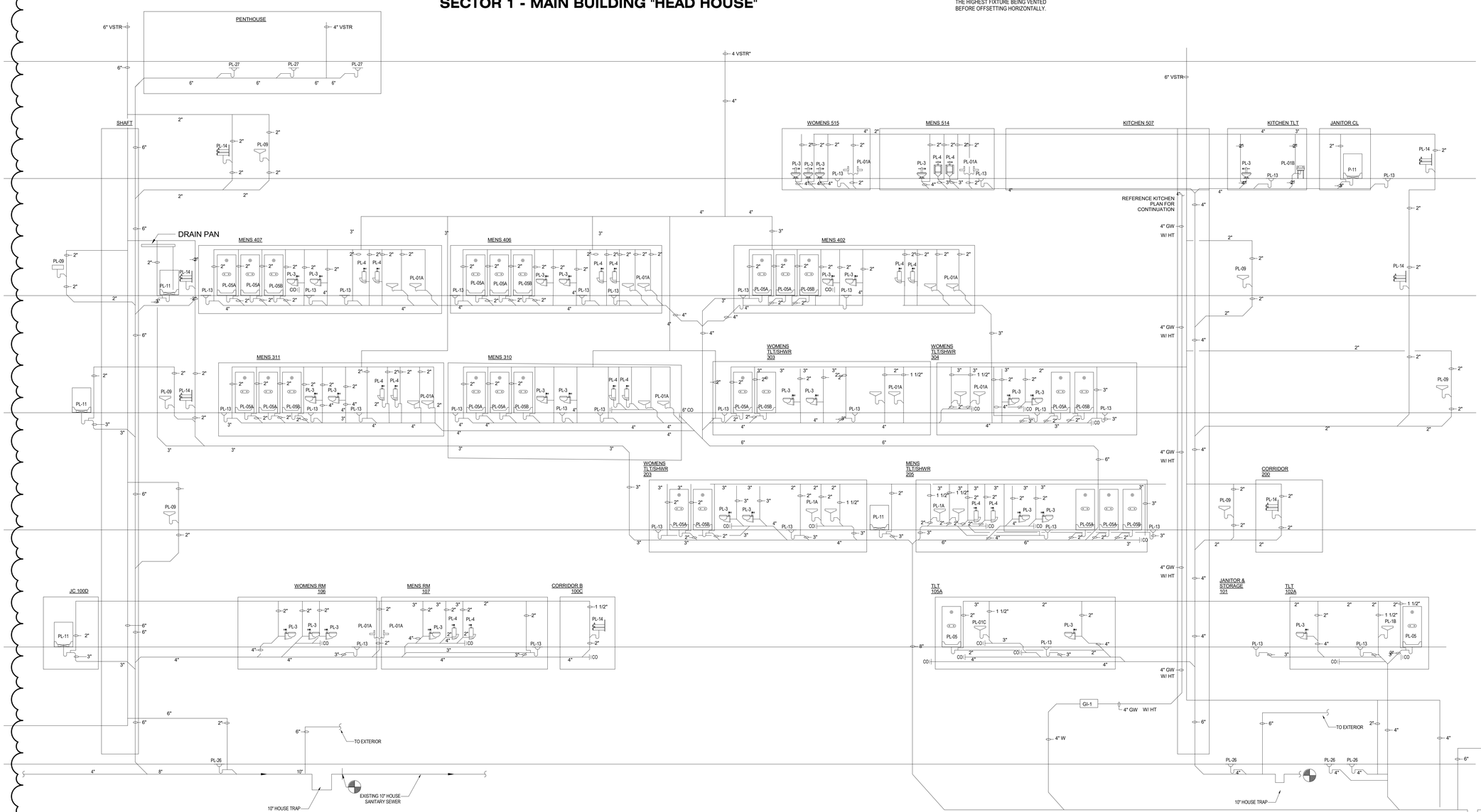
P-902

SHEET: OF

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SECTION 1 - MAIN BUILDING "HEAD HOUSE"

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



1 SANITARY WASTE AND VENT RISER DIAGRAM SECTOR 1

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

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42x30 PLOT SHEET

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DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

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NICK SAPONARA
NEW YORK STATE
December 31, 2024

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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

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

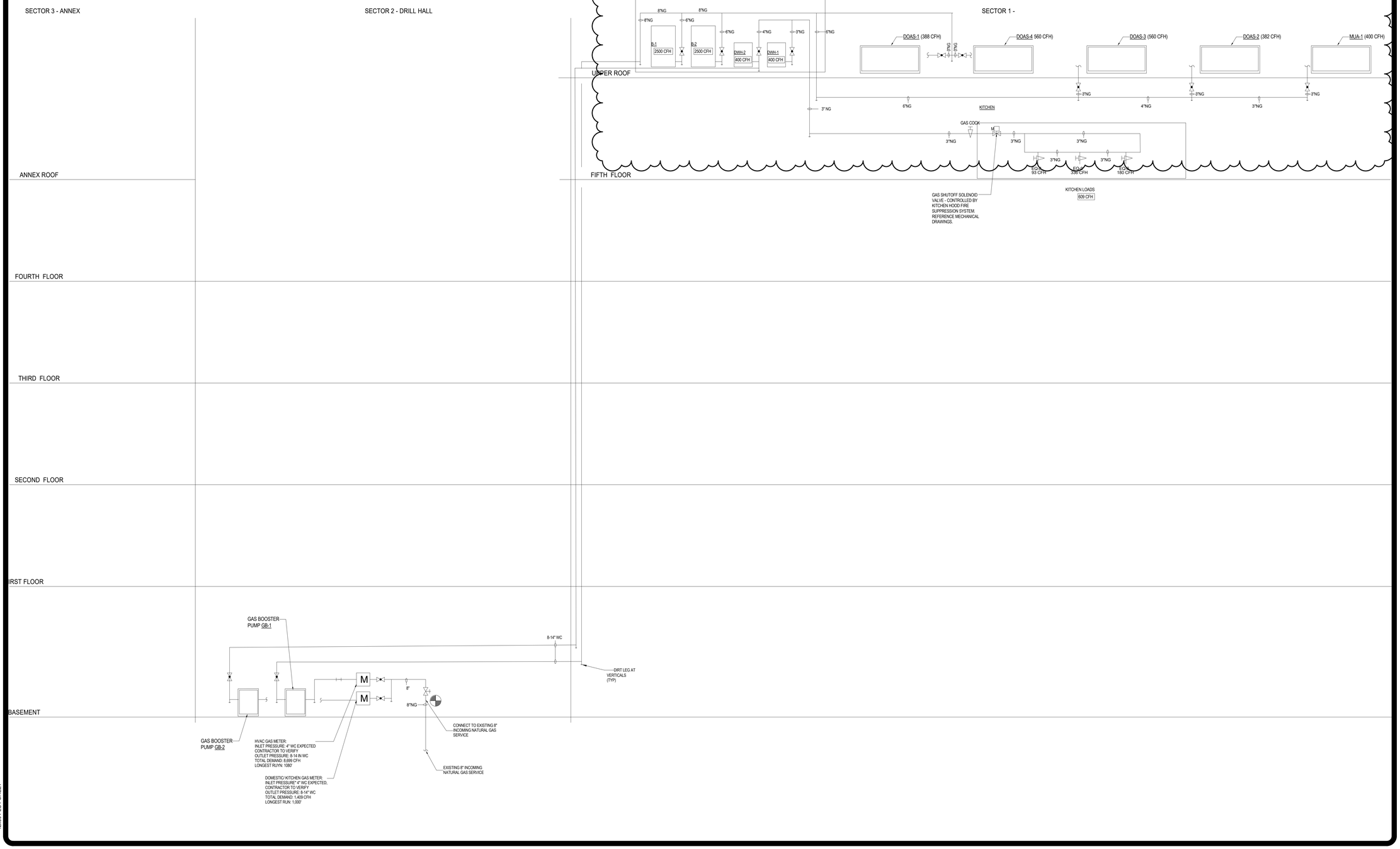
SHEET TITLE:

PLUMBING SANITARY WASTE AND VENT RISERS

DRAWING NUMBER:

P-903

SHEET: OF



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STATE OF NEW YORK
NICHOLAS R. SAPONARA
LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE:
December 31, 2024

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER
ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

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	02-29-2024	BID SET

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

SHEET TITLE:

PLUMBING NATURAL GAS RISER

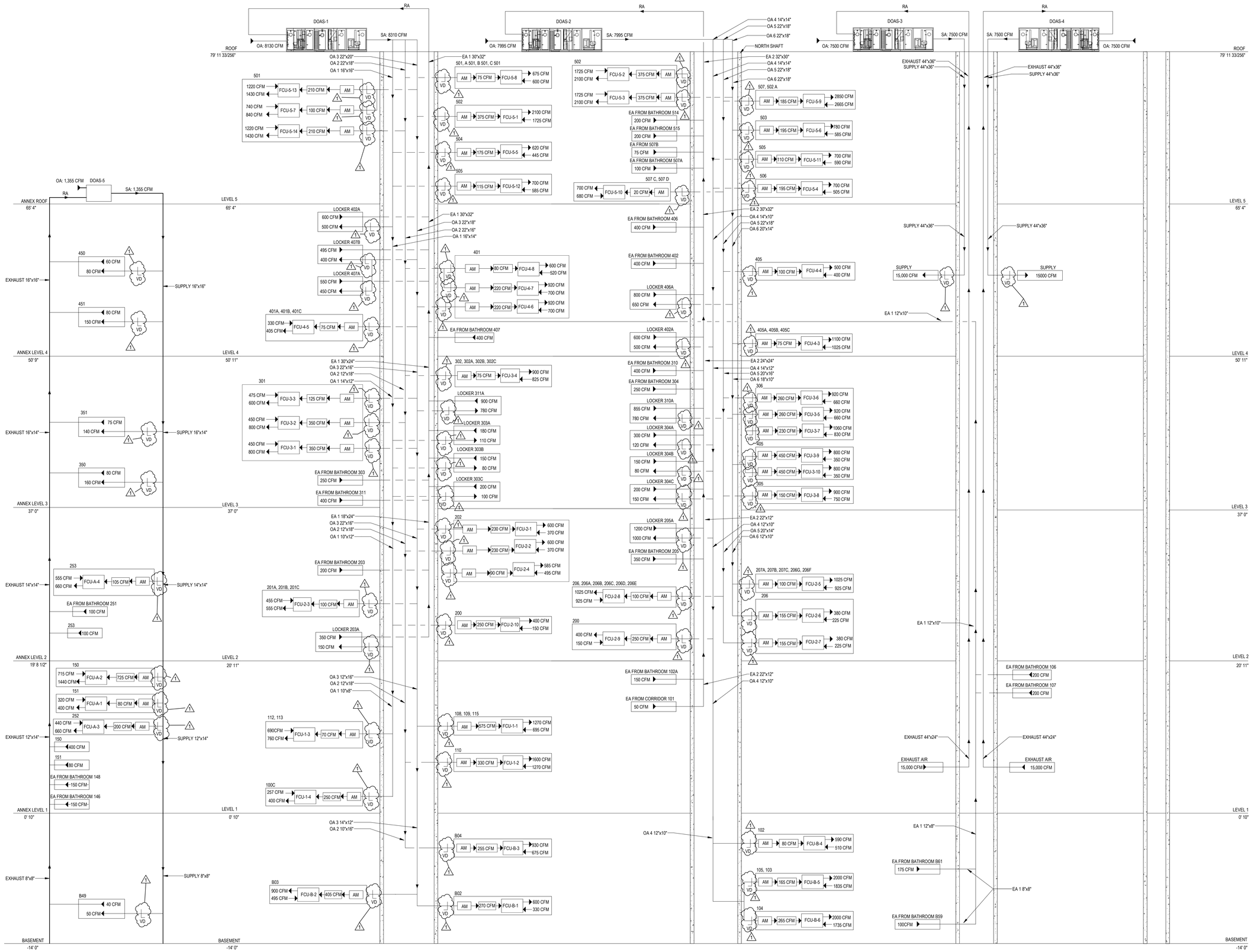
DRAWING NUMBER:

P-904

SHEET: OF

GENERAL NOTES:

1. REFER TO SHEETS M-101 TO M-151 FOR FSD AND FD LOCATIONS.



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STATE OF NEW YORK · NICHOLAS R. SAPONARA · LICENSED PROFESSIONAL ENGINEER · 077000 · EXPIRATION DATE: 12/31/2024

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITIONAL/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

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

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

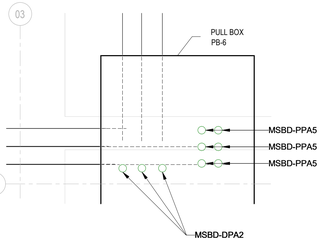
SHEET TITLE:

AIR RISER DIAGRAMS

DRAWING NUMBER:
M-700

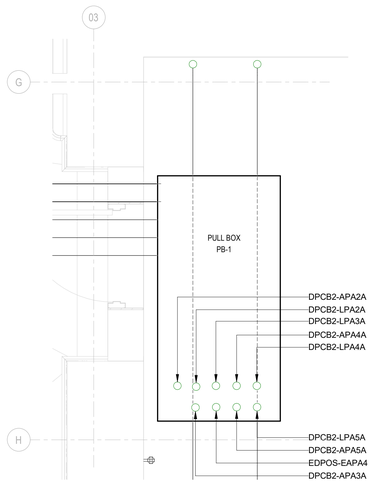
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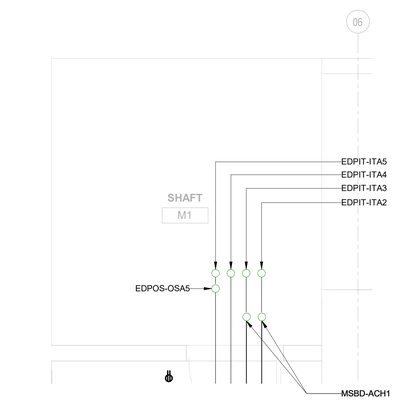
2 HEAD HOUSE NORTH RISER - BASEMENT

1/2" = 1'-0"



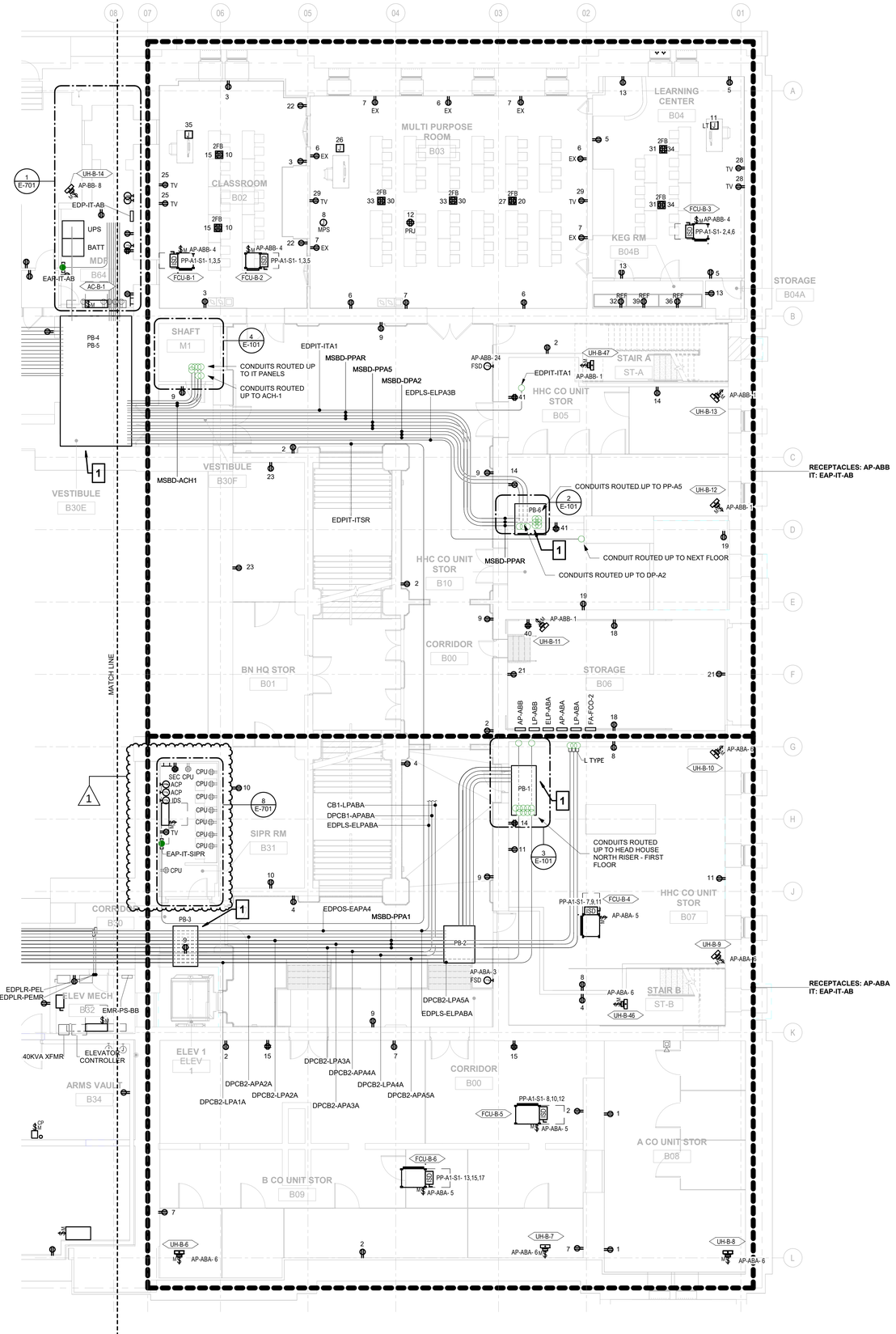
3 HEAD HOUSE SOUTH RISER - BASEMENT

1/2" = 1'-0"



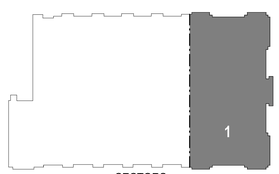
4 HEAD HOUSE SHAFT RISER - BASEMENT

1/2" = 1'-0"



1 ELECTRICAL POWER BASEMENT PLAN - SECTOR 1

1/8" = 1'-0"



KEY PLAN

POWER GENERAL NOTES

1. PROVIDE ALL NECESSARY EQUIPMENT, DEVICES, AND COMPONENTS FOR A FULLY OPERATIONAL AND CODE COMPLIANT SYSTEM FOR ALL EQUIPMENT IN SCOPE OF WORK.
2. FLOOR BOXES/POKE THROUGHS SHALL BE PROVIDED WITH TWO DUPLEX RECEPTACLES. EACH OF THE DUPLEX RECEPTACLES SHALL BE WIRED TO A SEPARATE CIRCUIT AS INDICATED. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR BOX SPECIFICATIONS.
3. REFER TO ARCHITECTURAL PLANS FOR TYPICAL AND FINAL MOUNTING HEIGHTS OF DEVICES THROUGHOUT.
4. REFER TO ARCHITECTURAL PLANS FOR DIMENSIONED LOCATIONS OF DEVICES THROUGHOUT.
5. REFER TO COMMUNICATIONS SERIES DRAWINGS FOR ALL LOW VOLTAGE CONDUIT, BACK BOXES, AND PULL LINES TO BE INCORPORATED IN THE SCOPE.
6. CONDUIT RUNS FOR POWER FEEDERS AND/OR BRANCH CIRCUITS SHALL MAINTAIN 270 DEGREES OF BENDING AND 200' SPACE BETWEEN PULLING POINTS.
7. PROVIDE EXPANSION FITTING FOR EVERY 100' OF CONDUIT RUNS.
8. PROVIDE MINIMUM NUMBER OF PULL BOXES ON DRAWINGS AND PER CODE REQUIREMENTS. PULL BOXES SHALL BE SIZED PER NEC.
9. POWER DEVICES AND DISCONNECT SWITCHES SHALL BE RATED FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. REFER TO THE SPECIFICATIONS.
10. COORDINATE FINAL SELECTION OF ALL SPECIALTY EQUIPMENT, POWER CONNECTIONS, AND DISCONNECTS WITH THE MANUFACTURER.
11. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR BOX SPECIFICATIONS AND CORE DRILL VS FLOOR TRENCH FOR CONDUIT ROUTING.
12. CONDUIT PATHWAYS HAVE BEEN SHOWN IN ONE LAYER FOR GRAPHICAL PURPOSES ONLY. FINAL INSTALLATION SHALL BE PROVIDED IN MULTIPLE LAYERS VIA MEANS AND METHODS.
13. INDOOR 'AC' UNITS ARE PROVIDED WITH AN INTEGRAL CONDENSATE PUMP WIRED BY MANUFACTURER.
14. POWER DEVICES LABELED 'EX' SHALL BE EXISTING CONDUIT AND BACK BOXES TO REMAIN. PROVIDE RECEPTACLES, FACE PLATES AND BRANCH CIRCUITS.
15. (3) BRANCH CIRCUITS RATED 120V, 20A, MAY BE RUN IN A SINGLE RACEWAY PROVIDED THAT THE BRANCH CIRCUIT CONDUCTORS ARE UPSIZED TO #10 AWG TO ACCOMODATE DERATING.

REFERENCE NOTES

1 PROVIDE PULL BOX PER NEC REQUIREMENTS.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

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STATE OF NEW YORK GARY LAMONTAGNE LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE: September 30, 2024

PROJECT NORTH

CONTRACT: CONSTRUCTION

TITLE: NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
01	06-07-2024	ADDENDUM 05
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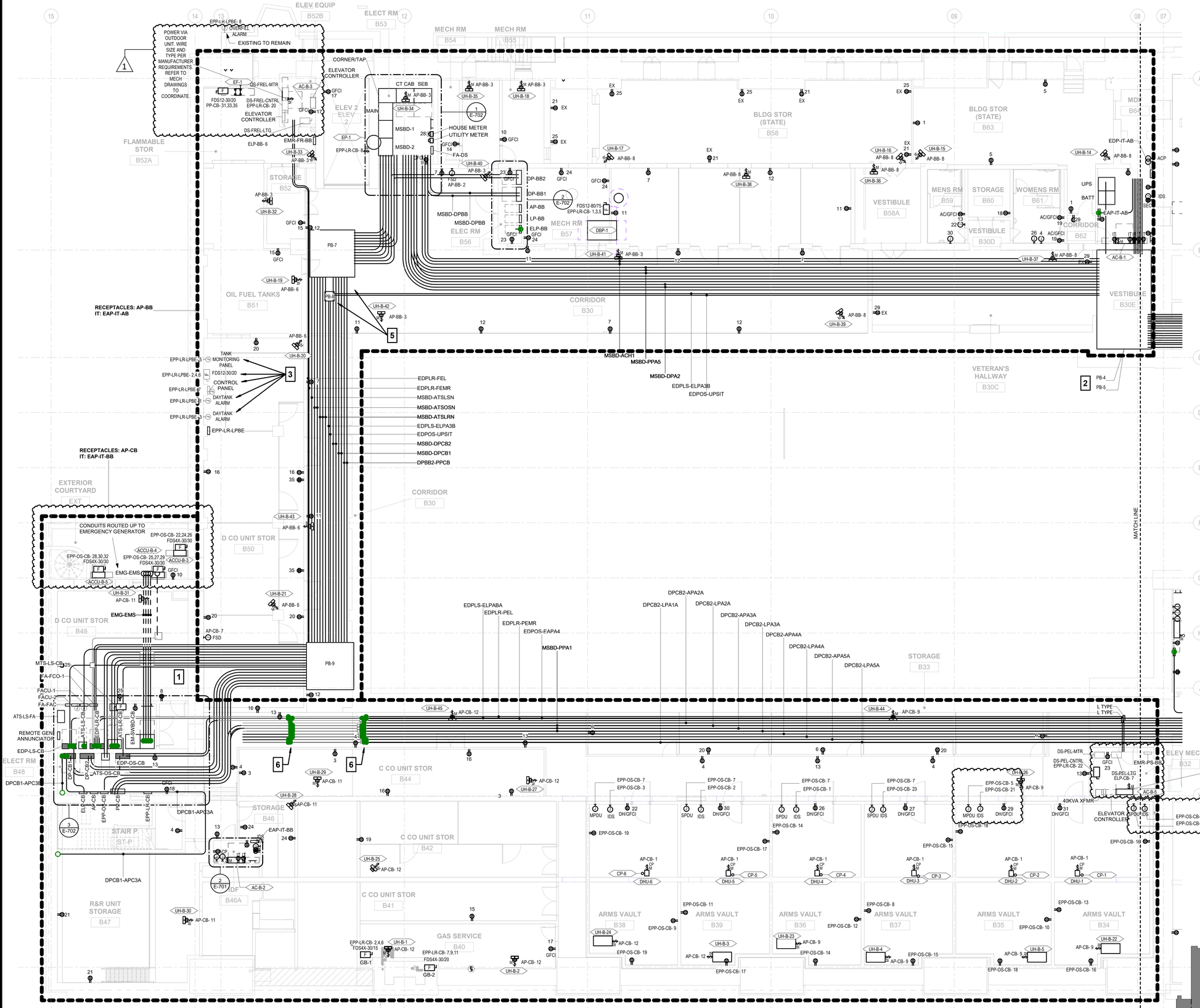
PROJECT NUMBER:	47166-C
DESIGNED BY:	JK
DRAWN BY:	VS
FIELD CHECK:	
APPROVED:	GL

SHEET TITLE: ELECTRICAL POWER BASEMENT FLOOR PLAN - SECTOR 1

DRAWING NUMBER: E-101

SHEET: OF

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42x30 PLOT SHEET



1 ELECTRICAL POWER BASEMENT PLAN - SECTOR 2 & 3

1/8" = 1'-0"

POWER GENERAL NOTES

1. REFER TO DRAWING E-101 FOR POWER GENERAL NOTES.

REFERENCE NOTES

1. FIRE RATED PENETRATION.
2. PULL BOXES PB-4 AND PB-5 TO BE STACKED.
3. EXISTING TO REMAIN.
4. HEAT TRACE FOR FIRE PROTECTION SYSTEM CIRCUIT. REFER TO FIRE PROTECTION PLANS AND SPECIFICATIONS FOR SPECIFICATION OF HEAT TRACE CONTROL PANEL, WIRING, AND ANCILLARY DEVICES FOR A FULLY FUNCTIONING SYSTEM.
5. PROVIDE PULL BOX PER NEC REQUIREMENTS.
6. ROUTE CONDUITS BELOW RAMP AND PROVIDE L TYPE FITTINGS AS NEEDED AT BENDS.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

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PROJECT NORTH

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LOCATION: STATE ARMORY
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NEW YORK, NY

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

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MARK	DATE	DESCRIPTION
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	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	JK
DRAWN BY:	VS
FIELD CHECK:	
APPROVED:	GL

SHEET TITLE: ELECTRICAL POWER BASEMENT FLOOR PLAN - SECTOR 2 & 3

DRAWING NUMBER: E-102

SHEET: OF

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6/6/2024 11:07:31 PM
42x30 PLOT SHEET

1

PANEL: EPP-OS-CB — TYPE: EATON PRL1X

LOCATION: ELECT RM B48
SUPPLY FROM: EDP-OS-CB
MOUNTING: SURFACE
ENCLOSURE: TYPE 1
BUSSING: COPPER

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4
POLES: 42

MAINS TYPE: MLO
MCB RATING: -
BUS RATING: 225 A
NEUTRAL RATING: 225 A
SHORT CIRCUIT RATING: 22 KAIC

CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT
1	JBOX IDS - ARMS VAULT RM B36	20 A	1		1000 1000				1	20 A	JBOX IDS - ARMS VAULT RM B39	2
3	JBOX IDS - ARMS VAULT RM B38	20 A	1			1000 2400			1	30 A	ADA LIFT	4
5	JBOX MPDU - ARMS VAULT RM B35	20 A	1				1100 2400		1	30 A	ADA LIFT	6
7	JBOX MPDU - ARMS VAULT RM B38	20 A	1		1700 180				1	20 A	REC - ARMS VAULT RM B37	8
9	REC - ARMS VAULT RM B38	20 A	1			180 180			1	20 A	REC - ARMS VAULT RM B35	10
11	REC - ARMS VAULT RM B39	20 A	1				180 180		1	20 A	REC - ARMS VAULT RM B36	12
13	REC - ARMS VAULT RM B34	20 A	1		180 360				1	20 A	REC - ARMS VAULT RM B36	14
15	REC - ARMS VAULT RM B37	20 A	1			360 360			1	20 A	REC - ARMS VAULT RM B34	16
17	REC - ARMS VAULT RM B39	20 A	1				360 360		1	20 A	REC - ARMS VAULT RM B35	18
19	REC - ARMS VAULT RM B38	20 A	1		360 1000				1	20 A	JBOX IDS - ARMS VAULT RM B34	20
21	JBOX IDS - ARMS VAULT RM B35	20 A	1			1000 2402						22
23	JBOX IDS - ARMS VAULT RM B37	20 A	1				1000 2402		3	20 A	ACCU-B-3	24
25					2402 2402							26
27	ACCU-B-4	20 A	3			2402 2402						28
29							2402 2402		3	20 A	ACCU-B-5	30
31	SPARE	20 A	1	--	0 2402							32
33	SPARE	20 A	1	--		0 0		--	1	20 A	SPARE	34
35	SPARE	20 A	1	--			0 0	--	1	20 A	SPARE	36
37	SPARE	20 A	1	--	0 0			--	1	20 A	SPARE	38
39	SPARE	20 A	1	--		0 0		--	1	20 A	SPARE	40
41	SPARE	20 A	1	--			0 0	--	1	20 A	SPARE	42
	CONNECTED LOAD:				12495 VA	12330 VA	12421 VA					
	CONNECTED AMPS:				104 A	103 A	104 A					
	DEMAND AMPS:				72 A	71 A	72 A					

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
REC	3240 VA	2106 VA	**TOTAL LOAD:** 37194 VA
JBOX IDS	6000 VA	3900 VA	**DEMAND FACTOR:** 69.20%
JBOX SPDU	1200 VA	780 VA	**DEMAND LOAD:** 25738 VA
JBOX MPDU	1600 VA	1040 VA	**DEMAND AMPS:** 71 A
MECH COOLING	21615 VA	14482 VA	
MECH-ELEV	4800 VA	4272 VA	

PANEL: EPP-LR-CB — TYPE: EATON PRL1X

LOCATION:
SUPPLY FROM: EDP-LR-CB
MOUNTING: Recessed
ENCLOSURE: Type 1
BUSSING: COPPER

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4
POLES: 30

MAINS TYPE: MLO
MCB RATING: -
BUS RATING: 225 A
NEUTRAL RATING: 225A
SHORT CIRCUIT RATING: 22 KAIC

CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT
1					7133 300							2
3	DBP-1	80 A	3			7133 300			3	15 A	GB-1	4
5							7133 300					6
7					553 1180				1	20 A	EP-1	8
9	GB-2	15 A	3			553						10
11							553					12
13					0 0			--	1	20 A	SPARE	14
15	SPARE	20 A	3	--		0 0		--	1	20 A	SPARE	16
17							0 0	--	1	20 A	SPARE	18
19					2400 1000				1	20 A	FREIGHT ELEV CNTRL*FREL-CNTRL*	20
21	FREIGHT ELEVATOR SPLIT UNIT FREL-COOLING	35 A	3			2400 1000			1	20 A	MECH OTHER	22
23							2400 0	--	1	20 A	SPARE	24
25					2400 0			--	1	20 A	SPARE	26
27	PASSENGER ELEVATOR SPLIT UNIT PEL-COOLING	35 A	3			2400 0		--	1	20 A	SPARE	28
29							2400 0	--	1	20 A	SPARE	30
	CONNECTED LOAD:				14803 VA	13787 VA	12787 VA					
	CONNECTED AMPS:				125 A	116 A	107 A					
	DEMAND AMPS:				71 A	66 A	61 A					

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
MECH COOLING	14400 VA	9648 VA	**TOTAL LOAD:** 41368 VA
MECH OTHER	2000 VA	1500 VA	**DEMAND FACTOR:** 57.13%
PL OTHER	24971 VA	12485 VA	**DEMAND LOAD:** 23632 VA
			DEMAND AMPS: 66 A

PANEL: EPP-LR-LPBE — TYPE: EATON PRL1X

LOCATION: D CO UNIT STOR B50
SUPPLY FROM: EDP-LR-CB
MOUNTING: Surface
ENCLOSURE: Type 1
BUSSING: COPPER

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4
POLES: 18

MAINS TYPE: MLO
MCB RATING: -
BUS RATING: 100 A
NEUTRAL RATING: 100A
SHORT CIRCUIT RATING: 22KAIC

CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT
1	JBOX - DAYTANK ALARM	20 A	1		500 2500							2
3	JBOX - DAYTANK ALARM	20 A	1			500 2500			3	25 A	TPS-1 - DUPLEX FUEL OIL PUMPS	4
5	JBOX - TANK MONITORING PANEL	20 A	1				1000 2500					6
7	CONTROL PANEL	20 A	1		500 180				1	20 A	OVERFILL ALARM	8
9	SPARE	20 A	1	--		0 0		--	1	20 A	SPARE	10
11	SPARE	20 A	1	--			0 0	--	1	20 A	SPARE	12
13	SPARE	20 A	1	--	0 0			--	1	20 A	SPARE	14
15	SPARE	20 A	1	--		0 0		--	1	20 A	SPARE	16
17	SPARE	20 A	1	--			0 0	--	1	20 A	SPARE	18
	CONNECTED LOAD:				3558 VA	2937 VA	3391 VA					
	CONNECTED AMPS:				30 A	24 A	29 A					
	DEMAND AMPS:				22 A	18 A	21 A					

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
JBOX	2680 VA	1742 VA	**TOTAL LOAD:** 9879 VA
MECH OTHER	7500 VA	5625 VA	**DEMAND FACTOR:** 72.52%
			DEMAND LOAD: 7165 VA
			DEMAND AMPS: 20 A

PANEL: PP-CB — TYPE: EATON PRL4X

LOCATION: ELECT RM B48
SUPPLY FROM: DP-BB2
MOUNTING: SURFACE
ENCLOSURE: NEMA 12
BUSSING: COPPER

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4
POLES: 42

MAINS TYPE: MLO, FEED THRU LUGS
MCB RATING: 200 A
BUS RATING: 225 A
NEUTRAL RATING: 225 A
SHORT CIRCUIT RATING: 65KAIC

CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT
1	FCU-A-1, FCU-A-4	20 A	2		710 710				2	20 A	FCU-A-2, FCU-A-3	2
3						710 710						4
5	WH-1	35 A	2				2250 0	--	2	20 A	SPARE	6
7					2250 0							8
9						2083 6000			2	60 A	IWH-1	10
11	UH-A-1	20 A	3				2083 6000					12
13					2083 2083							14
15						2083 2083			3	20 A	UH-A-2	16
17	UH-A-3	20 A	3				2083 2083					18
19					2083 2083							20
21						3723 2083			3	20 A	UH-A-4	22
23	DOAS-5	60 A	3				3723 2083					24
25					3723 4100							26
27	SPARE	20 A	2	--		0 4100			3	55 A	DOAS-5 (HEATER)	28
29							0 4100					30
31					500							32
33	EF-1	20 A	3			500						34
35							500					36
37												38
39												40
41												42
	CONNECTED LOAD:				20326 VA	24076 VA	24906 VA					
	CONNECTED AMPS:				169 A	205 A	212 A					
	DEMAND AMPS:				70 A	85 A	88 A					

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
MECH HEATING	37300 VA	9325 VA	**TOTAL LOAD:** 69308 VA
MECH OTHER	14008 VA	10506 VA	**DEMAND FACTOR:** 41.60%
PL HEATING	16500 VA	8250 VA	**DEMAND LOAD:** 28831 VA
PL OTHER	1500 VA	750 VA	**DEMAND AMPS:** 80 A

PANEL: PP-B2 — TYPE: EATON PRL4X

LOCATION: MEZZANINE 225
SUPPLY FROM: DP-BB2
MOUNTING: SURFACE
ENCLOSURE: NEMA 12
BUSSING: COPPER

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4
POLES: 54

MAINS TYPE: MLO
MCB RATING: -
BUS RATING: 400 A
NEUTRAL RATING: 400A
SHORT CIRCUIT RATING: 65KAIC

CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT
1	EVCS (ALT 8)	50 A	2		3850 3850				2	50 A	EVCS (ALT 8)	2
3						3850 3850						4
5	EVCS (ALT 8)	50 A	2				3850 3850		2	50 A	EVCS (ALT 8)	6
7					3850 3850							8
9	EVCS (ALT 8)	50 A	2			3850 3850			2	50 A	EVCS (ALT 8)	10
11							3850 3850					12
13	EVCS (ALT 8)	50 A	2		3850 3850				2	50 A	EVCS (ALT 8)	14
15						3850 3850						16
17							2547 4803					18
19	BAF-1, BAF-2	15 A	3		2547 4803				3	50 A	REC SP 18-50R	20
21						2547 4803						22
23							4803 4803					24
25	REC SP 18-50R	50 A	3		4803 4803				3	50 A	REC SP 18-50R	26
27						4803 4803						28
29							4803 4803					30
31	REC SP 18-50R	50 A	3		4803 4803				3	50 A	REC SP 18-50R	32
33						4803 4803						34
35							4803 4803					36
37	REC SP 18-50R	50 A	3		4803 4803				3	50 A	REC SP 18-50R	38
39						4803 4803						40
41							4803 0	--	1	20 A	SPARE	42
43	REC SP 18-50R	50 A	3		4803 0			--	1	20 A	SPARE	44
45						4803 0		--	1	20 A	SPARE	46
47	SPARE	30 A	2	--			0 0	--	1	20 A	SPARE	48
49					0 0							50
51	SPARE	30 A	2	--		0 0		--	3	50 A	SPARE	52
53							0 0					54
	CONNECTED LOAD:				63705 VA	63705 VA	56007 VA					
	CONNECTED AMPS:				541 A	541 A	467 A					
	DEMAND AMPS:				275 A	275 A	238 A					

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
REC SP 18-50R	115280 VA	57640 VA	**TOTAL LOAD:** 183418 VA
MECH OTHER	7640 VA	5730 VA	**DEMAND FACTOR:** 50.90%
			DEMAND LOAD: 93359 VA
			DEMAND AMPS: 259 A

PANEL: EAP-IT-SIPR — TYPE: EATON PRL1X

LOCATION: SIPR RM B31
SUPPLY FROM: EDP-IT-AB
MOUNTING: SURFACE
ENCLOSURE: NEMA 1
BUSSING: COPPER

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4
POLES: 18

MAINS TYPE: MLO
MCB RATING: -
BUS RATING: 100 A
NEUTRAL RATING: 200%
SHORT CIRCUIT RATING: 22K AIC

CKT	LOAD SERVED	CB	P	*	A	B	C	*	P	CB	LOAD SERVED	CKT
1	REC CPU SIPR RM B31	20 A	1		500 500				1	20 A	REC TV SIPR RM B31	2
3	JBOX ACP SIPR RM B31	20 A	1			1000 1000			1	20 A	JBOX IDS SIPR RM B31	4
5	REC CPU SIPR RM B31	20 A	1				1000 1000		1	20 A	REC CPU SIPR RM B31	6
7	JBOX ACP SIPR RM B31	20 A	1		1000 1000				1	20 A	REC CPU SIPR RM B31	8
9	REC CPU SIPR RM B31	20 A	1			1000 0		--	1	20 A	SPARE	10
11	REC SEC SIPR RM B31	20 A	1				1000 0	--	1	20 A	SPARE	12
13	SPARE	20 A	1	--	0 0			--	1	20 A	SPARE	14
15	SPARE	20 A	1	--		0 0		--	1	20 A	SPARE	16
17	SPARE	20 A	1	--			0 0	--	1	20 A	SPARE	18
	CONNECTED LOAD:				3000 VA	3000 VA	3000 VA					
	CONNECTED AMPS:				25 A	25 A	25 A					
	DEMAND AMPS:				16 A	16 A	16 A					

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
REC TV	500 VA	325 VA	**TOTAL LOAD:** 9000 VA
REC CPU	4500 VA	2925 VA	**DEMAND FACTOR:** 65.00%
JBOX IDS	1000 VA	650 VA	**DEMAND LOAD:** 5850 VA
REC SEC	1000 VA	650 VA	**DEMAND AMPS:** 16 A
JBOX ACP	2000 VA	1300 VA	

PANEL SCHEDULE MAP

EPP-OS-CB	PP-CB-S1
EPP-LR-CB	PP-CB-S2
EPP-LR-LPBE	EAP-IT-SIPR

GENERAL NOTES

REFER TO DWG E-601 FOR PANEL SCHEDULE
DWG GENERAL NOTES

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

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STATE OF NEW YORK — 092658 — LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE:
September 30, 2024

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER
ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
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	02-29-2024	BID SET

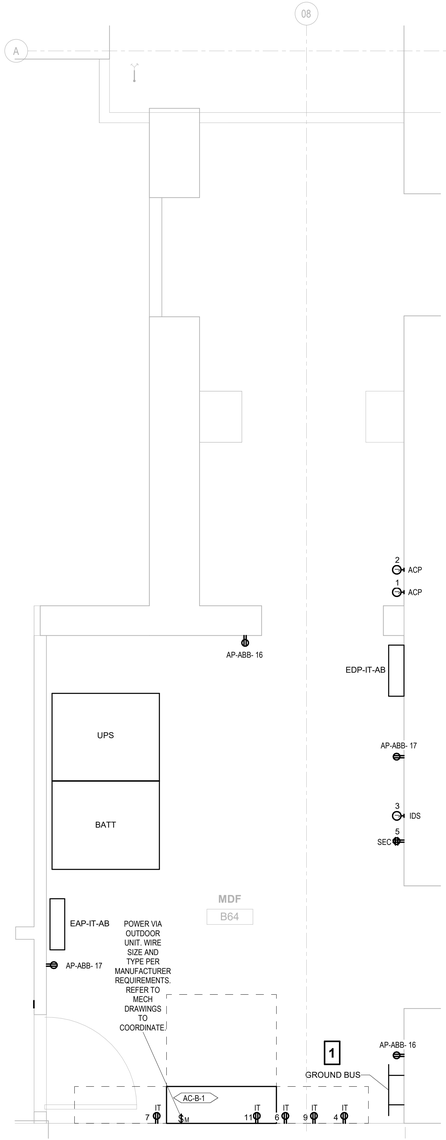
PROJECT NUMBER: 47166-C
DESIGNED BY: JK
DRAWN BY: VS
FIELD CHECK:
APPROVED: GL

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES - BASEMENT 3

DRAWING NUMBER:
E-603

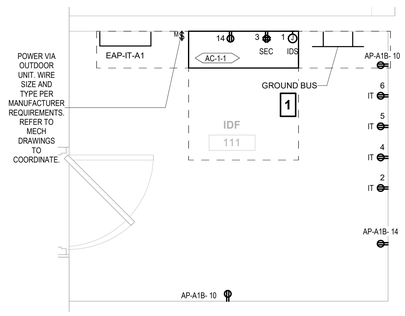
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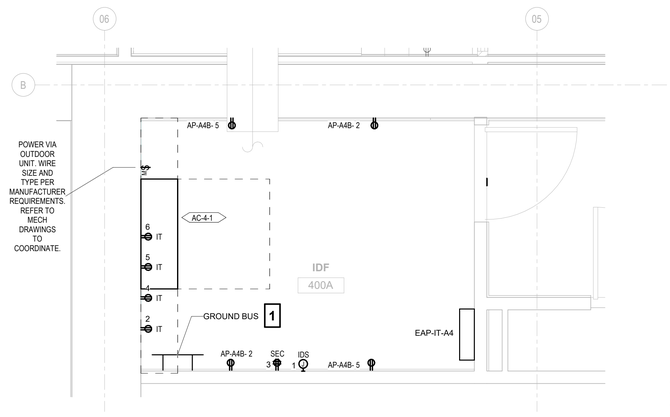
1 ENLARGED POWER PLAN - MDF B64

1/2" = 1'-0"



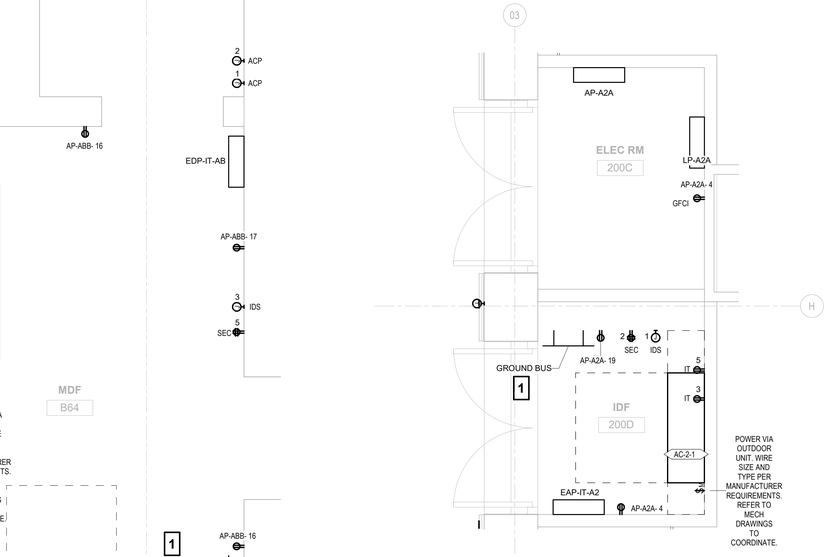
3 ENLARGED POWER PLAN - IDF 111

1/2" = 1'-0"



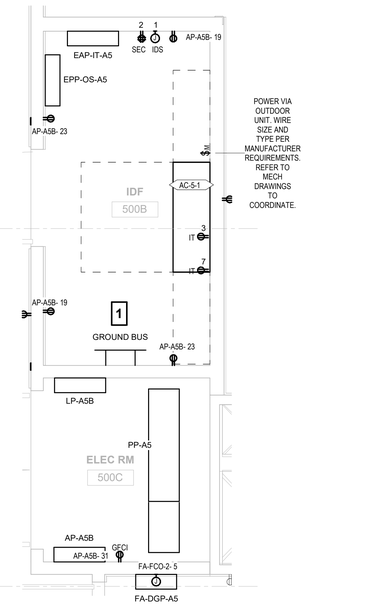
6 ENLARGED POWER PLAN - IDF 400A

1/2" = 1'-0"



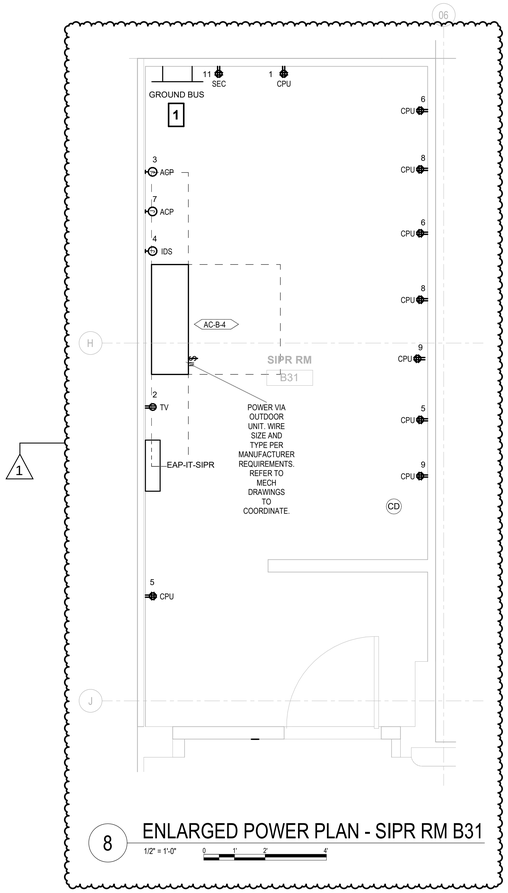
4 ENLARGED POWER PLAN - IDF 200D & ELEC RM 200C

1/2" = 1'-0"



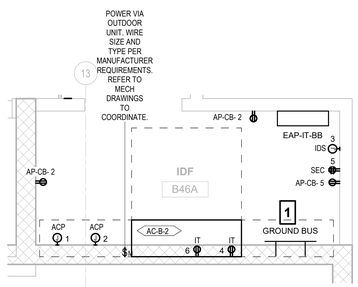
7 ENLARGED POWER PLAN - IDF 500B & ELEC RM 500C

1/2" = 1'-0"



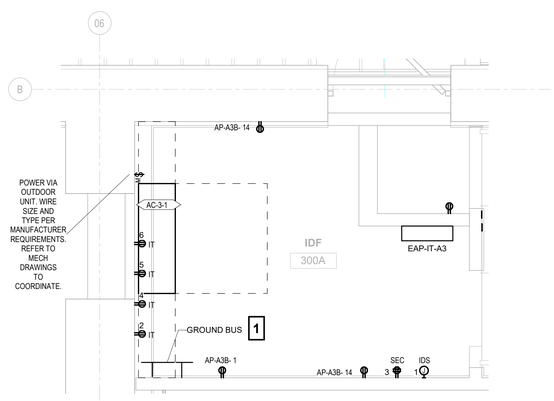
8 ENLARGED POWER PLAN - SIPR RM B31

1/2" = 1'-0"



2 ENLARGED POWER PLAN - IDF B64A

1/2" = 1'-0"



5 ENLARGED POWER PLAN - IDF 300A

1/2" = 1'-0"

GENERAL NOTES

1. ALL BRANCH CKTS IN MDF, IDF, AND SIPR ROOMS SHALL BE FROM ASSOCIATED IT PANEL, UNLESS OTHERWISE NOTED.

REFERENCE NOTES

1 REFER TO GROUNDING ONE LINE.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

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STATE OF NEW YORK · MARY LAMONICA · LICENSED PROFESSIONAL ENGINEER

EXPIRATION DATE:
September 30, 2024

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
01	06-07-2024	ADDENDUM 05
	02-29-2024	BID SET

PROJECT NUMBER:	47166-C
DESIGNED BY:	JK
DRAWN BY:	VS
FIELD CHECK:	
APPROVED:	GL

SHEET TITLE:

ELECTRICAL ENLARGED PLANS - MDF & IDF ROOMS

DRAWING NUMBER:

E-701

SHEET: OF

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FIRE ALARM SYMBOLS

P — MANUAL PULL STATION

FIRE SERVICE or EMERGENCY TELEPHONE
J - JACK P - PHONE A - ACCESSIBLE
FTS - FIRE FIGHTER's TELEPHONE SYSTEM

HEAT DETECTOR
R/F - RATE OF RISE AND FIXED TEMPERATURE
R/C - RATE COMPENSATION
F - FIXED TEMPERATURE
R - RATE OF RISE ONLY

SMOKE DETECTOR
P - PHOTOELECTRIC I - IONIZATION
BR - BEAM RECEIVER ASD - AIR SAMPLING
BT - BEAM TRANSMITTER E - OPEN-AREA EMITTER
R - RECALL IM - OPEN-AREA IMAGER
MZ - MEZZANINE AR - ALTERNATE RECALL

SMOKE DETECTOR FOR DUCT

SMOKE/HEAT DETECTOR

CO — CARBON MONOXIDE DETECTOR WITH SOUNDER BASE

ADDRESSABLE MODULE
AIM - INPUT
AOM - OUTPUT

AIM

FS — FLOW DETECTOR/SWITCH

TS — TAMPER DETECTOR/SWITCH

VALVE TAMPER DETECTOR/SWITCH

R — OUTPUT RELAY
FSD - FIRE SMOKE DAMPER
ANSUL - ANSUL RELAY

AUDIO DEVICE (WALL MOUNTED)
H - HORN C - CHIME
S - SPEAKER M - HIGH FIDELITY POWER SPEAKERS (8W)

AUDIO DEVICE (CEILING MOUNTED)
H - HORN C - CHIME
S - SPEAKER

STROBE (WALL MOUNTED)
(1) WHITE/CLEAR FIRE ALARM STROBE + (1) CLEAR/ALERT MASS NOTIFICATION STROBE)

STROBE (CEILING MOUNTED)

AUDIO/VISUAL COMBINATION (WALL MOUNTED)
H - HORN C - CHIME
S - SPEAKER
(1) AUDIO DEVICE + (1) CLEAR/ALERT MASS NOTIFICATION STROBE)

AUDIO/VISUAL COMBINATION (CEILING MOUNTED)
H - HORN C - CHIME
S - SPEAKER

B — FIRE ALARM BEAM DETECTOR

FIRE ALARM AUXILLIARY EQUIPMENT
FACU = FIRE ALARM CONTROL UNIT
EVAC = EMERGENCY VOICE COMMUNICATIONS PANEL
FAC = FIRE ALARM COMMUNICATOR TO CENTRAL STATION
BPS = BOOSTER POWER SUPPLY
ANN = FIRE ALARM ANNUCIATOR
FCO = FUSED CUT OUT PANEL
ASFP = AIR SAMPLING PANEL

MASS NOTIFICATION AUXILLIARY EQUIPMENT
ACU = AUTONOMOUS CONTROL UNIT
LOC = LOCAL OPERATING CONSOLE / EVAC PANEL

RTS — REMOTE TEST SWITCH

F — FIRE ALARM BELL

FIRE ALARM ABBREVIATIONS

A	AMPERE
AFF/G	ABOVE FINISHED FLOOR/GRADE
BAS	BUILDING AUTOMATION SYSTEM
BMS	BUILDING MANAGEMENT SYSTEM
BPS	BOOSTER POWER SUPPLY
BFG	BELOW FINISHED GRADE
BKR	BREAKER
BLDG	BUILDING
C, CDT	CONDUIT
CKT	CIRCUIT
C.O., CO	CONDUIT ONLY
CONFIG.	CONFIGURATION
DDC	DIGITAL DATA CONTROL
DWG	DRAWING
EA	EACH
E.C.	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEC	ELECTRIC(AL)
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQ P	EQUAL
FA	FIRE ALARM
FAI	FURNISH AND INSTALL
FAS	FAIR ALARM SYSTEM
FBO	FURNISHED BY OTHERS
FSD	FIRE SMOKE DETECTOR
GF	GENERATOR FAILURE
GR	GENERATOR RUNNING
G, GND	GROUND
HC	HEAVY CEILING
IBEC	INSTALLED BY OTHERS
IG	ISOLATED GROUND
JB, J	JUNCTION BOX
LF	LOW FUEL
LV	LOW VOLTAGE
LVR	LOW VOLTAGE RELAY
MFRR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
N	NEUTRAL
NA, N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OC	ON CENTER
PB	PULL BOX
PNL	PANEL
RM	ROOM
SPEC	SPECIFICATIONS
TYP	TYPICAL
UON, U.O.N.	UNLESS OTHERWISE NOTED
V	VOLT, VOLTS
W	WATT
WM	WALL MOUNTED
WP	WATERPROOF

GENERAL NOTES

1. WORK SHALL BE IN ACCORDANCE WITH THE 2020 NYS EXISTING BUILDING CODE, 2016 NFPA 72.
2. FIRE DEPARTMENT SHALL APPROVE PLANS AND PROVIDE PERMIT PRIOR TO THE BEGINNING OF ANY WORK.
3. THE FIRE ALARM INSTALLATION DOES NOT CONSTITUTE AN ACCEPTANCE OF THE WORK BY THE DIRECTOR'S REPRESENTATIVE. FINAL ACCEPTANCE WILL BE MADE AFTER IT IS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND HAS FURNISHED REQUIRED CERTIFICATES OF APPROVAL FROM AUTHORITIES HAVING JURISDICTION.
4. INCLUDE FEES FOR FILING APPROVALS AND INSPECTION.
5. UPON COMPLETION OF THE INSTALLATION, ARRANGE FOR FIRE DEPARTMENT INSPECTION AND WRITTEN APPROVAL OF THE INSTALLATION.
6. PROVIDE REQUIRED NOTIFICATION APPLIANCE CIRCUIT (NAC) BOOSTER, POWER SUPPLIES AND INSTALLING 120V POWER TO NAC BOOSTERS AS REQUIRED. PROVIDE NO MORE THAN 10 DEVICES PER NAC CIRCUIT.
7. PROVIDE RELAYS AS REQUIRED AT THE ELEVATOR MACHINE ROOM FOR ELEVATOR RECALL AND FIRE DEPARTMENT SERVICE OPERATION, COORDINATE REQUIREMENTS WITH THE ELEVATOR VENDOR.
8. PROVIDE AND INSTALL A FIRE ALARM COMMUNICATOR. TWO COMMUNICATIONS PATHWAYS WITH CENTRAL STATION SHALL BE PROVIDED. ONE NETWORK AND ONE TELEPHONE LINE SHALL BE RUN TO BUILDING TELEPHONE CABINET AND IT RACK RESPECTIVELY. NETWORK CONNECTIONS SHALL BE RUN IN ¾" RGS CONDUIT.
9. COORDINATE WITH THE MECHANICAL CONTRACTOR THE INSTALLATION OF THE DUCT MOUNTED AIR SAMPLE TUBES WITHIN 5 FEET OF THE FIRE/SMOKE DAMPERS.
10. FIRE ALARM EQUIPMENT SHALL BE INSTALLED WITH AESTHETICS IN MIND. CABINETS SHALL BE SEMI FLUSH MOUNTED, CONDUITS IN UNFINISHED SPACES AND SURFACE WIREMOLD IN FINISHED AREAS.
11. WIRING, PRIMARY AND SECONDARY POWER, CONDUCTORS, CONDUITS ETC. SHALL MEET THE 2017 NATIONAL ELECTRICAL CODE. BATTERY BACKUP SHALL COMPLY WITH 760.41 PROVIDING 24 HOURS OF SUPERVISION AND 15 MINUTES OF ALARM AND TWENTY PERCENT DETERIORATION FACTOR.
12. CONDUITS MAY NOT ENTER THE TOP OF ANY FIRE ALARM CONTROL EQUIPMENT CABINET.
13. FIRE ALARM CABINETS AND JUNCTION BOXES SHALL BE PAINTED FIRE DEPARTMENT RED.
14. FIRE ALARM WIRE SHALL BE CLEARLY LABELED IN JUNCTION BOXES AND CABINETS. TERMINALS SHALL BE NUMBERED AND LABELED. CONNECTIONS SHALL BE EITHER SOLDERED, APPROVED TERMINAL STRIPS, APPROVED WIRE NUTS (APPROVED TEMPERATURE), OR SCOTCH LOCKS.
15. LOW VOLTAGE FIRE ALARM CONDUCTORS SHALL BE PROTECTED. LOADING DOCKS, GARAGES, MECHANICAL AND ELECTRICAL ROOMS AND OTHER LOCATIONS SUBJECT TO MECHANICAL DAMAGE SHALL BE IN RIGID GALVANIZED STEEL CONDUIT.
16. FIRE ALARM WIRING SHALL NOT BE MIXED WITH NON FIRE ALARM WIRING. LOW VOLTAGE FIRE ALARM WIRING SHALL NOT BE MIXED OR WIRED NEAR ANY AC CIRCUIT.
17. BOOSTER POWER SUPPLIES SHALL BE PROVIDED AS NECESSARY FOR STROBE CIRCUIT DRAW AND LENGTHY STROBE CIRCUIT RUNS. PROVIDE A SEPARATE 120V POWER FEED FOR EACH BOOSTER AS WELL AS A SMOKE DETECTOR MOUNTED DIRECTLY ABOVE EACH BOOSTER POWER SUPPLY.
18. REMOTE FIRE ALARM CONTROL CABINETS (DATA GATHERING PANELS (DGP), TTBS ETC.) SHALL INCLUDE AN INTERNAL TAMPER SWITCH. EACH SHALL ALSO INCLUDE A SMOKE DETECTOR MOUNTED ON THE CEILING DIRECTLY ABOVE IT SHOULD ONE OR MORE NOT ALREADY BE SHOWN ON THE PLANS IN THE ROOM THAT IT IS MOUNTED IN. STAIRWELL LOCATED DGPS OR BOOSTER POWER SUPPLIES SHALL NOT REQUIRE A SMOKE DETECTOR ABOVE THE PANEL.
19. ELEVATOR RECALL
    a. PRIMARY ELEVATOR RECALL SHALL INITIATE BASED ON ELEVATOR RECALL INITIATING DEVICES.
    b. ALTERNATE RECALL LEVEL SHALL INITIATE IF PRIMARY LEVEL INITIATING DEVICE IS IN ALARM AND THERE IS NO ALARM AT ALTERNATE LEVEL.
    c. ELEVATOR RECALL LEVELS
        1. PRIMARY RECALL LEVEL SHALL BE LEVEL 1
        2. ALTERNATE RECALL LEVEL SHALL BASEMENT
20. AFTER AN A/C UNIT IS SHUT DOWN VIA THE FIRE ALARM SYSTEM, THE UNIT WILL NOT RESTART UNTIL: THE ZONE ALARM HAS BEEN CLEARED AND RESET. THE FAN IS MANUALLY RESTARTED.
21. NO CHANGE OR MODIFICATION TO THE SYSTEM OR PLANS SHALL BE PERMITTED WITHOUT APPROVAL FROM THE FIRE DEPARTMENT. IF ANY CHANGES ARE MADE TO THE DRAWINGS PRIOR TO OR DURING INSTALLATION, AS BUILT PLANS SHALL BE PREPARED BY THE AND FILED PER LOCAL ORDINANCE.
22. PROVIDE THE NECESSARY DOCUMENTS REQUIRED FOR INSPECTION AND TO OBTAIN A FINAL LETTER OF APPROVAL (LOA). IF A LETTER OF DEFECT IS ISSUED, PROVIDE ALL ITEMS AND SUBMIT A UPDATED SIGNED AND SEALED DRAWINGS TO FIRE DEPARTMENT AS NECESSARY TO OBTAIN A FINAL LETTER OF APPROVAL AT NO ADDITIONAL COST. AT EACH INSPECTION, A MINIMUM OF TWO TECHNICIANS WITH S97 OR S98 CERTIFICATION AND ONE ELECTRICIAN SHALL BE PRESENT.
23. REMOVE ANY AND ALL ABANDONED FIRE ALARM CABINETS, DEVICES, AND WIRE. PAINT, PATCH AND CLEANUP SHALL ALSO BE INCLUDED.

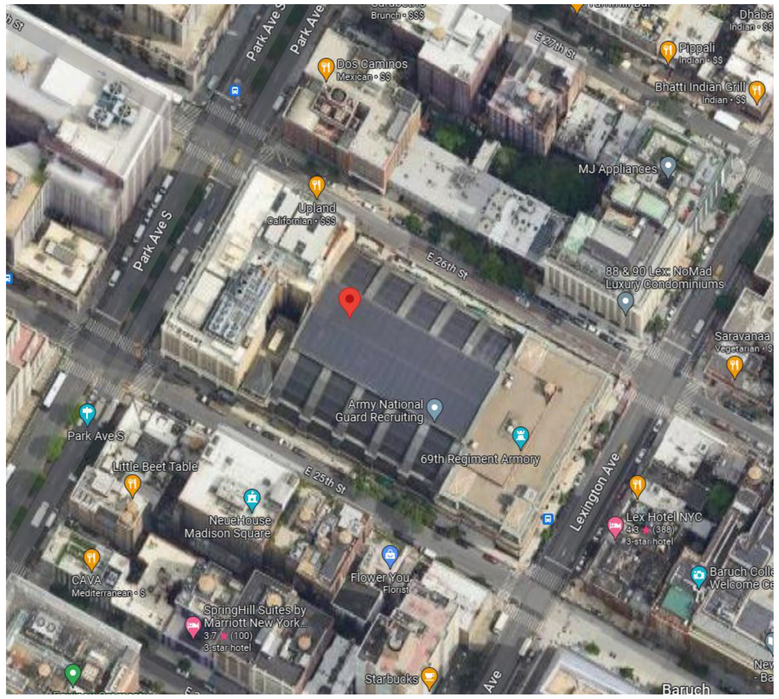
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FIRE ALARM PLAN NOTES

1. REFER TO FIRE ALARM NOTES DWG FOR ADDITIONAL FIRE ALARM NOTES.
2. FIRE ALARM DEVICES PROVIDED AT THE EXTERIOR OF THE BUILDING SHALL INCLUDE A NEMA 4X ENCLOSURE BY HUBBELL. ENCLOSURE DIMENSIONS SHALL BE SIZED TO ACCOMMODATE 300W HEATER AND FIRE ALARM DEVICE AS INDICATED. THE 300W HEATER BY HAMMOND SHALL BGE PROVIDED WITH A T-STAT AND INSTALLED IN ENCLOSURE.
3. COMBINATION/STROBE AND SPEAKER DEVICES SHALL BE WHITE IN COLOR MOUNTED AT 80" A.F.F.
4. DEVICE LOCATIONS MUST BE READILY ACCESSIBLE TO ALLOW FOR MAINTENANCE AND REPAIR.
5. SMOKE DETECTORS MUST BE MOUNTED AT LEAST 3 FT AWAY FROM ANY AIR REGISTER.
6. DUCT MOUNTED SMOKE DETECTORS SHALL BE MOUNTED ON THE DUCTWORK IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL DUCT DETECTORS SHALL BE PROVIDED WITH A REMOTE LED.
7. STROBE LIGHTS SHALL BE UL-1971 APPROVED/LISTED. THE MINIMUM CANDELA IS 15 UNLESS OTHERWISE NOTED.
8. NOTIFICATION DEVICES THAT INCLUDE A STROBE SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80 IN. AND NOT GREATER THAN 96 IN. ABOVE THE FINISHED FLOOR, NOT NECESSARILY THE ELECTRICAL BOX.

KEYPLAN

68 LEXINGTON AVENUE, 10010
BLOCK 881, LOT 6



NFPA OPERATIONS MATRIX

OCCUPANCY B (BUSINESS) FIRE ALARM SYSTEM FEATURING MANUAL ALARM, SELECTIVE SMOKE DETECTION, SPRINKLER ALARM, EMERGENCY VOICE/ALARM COMMUNICATION, TWO-WAY COMMUNCATION SYSTEM, POST FIRE SMOKE PURGE, AND COC.

SYSTEM OUTPUTS

SYSTEM INPUTS		CONTROL UNIT ANNUNCIATION						NOTIFICATION										REQUIRED FIRE SAFETY CONTROL							SUPPLEMENTARY		
		ACTUATE COMMON ALARM SIGNAL	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	ACTIVATE VISUAL/AUDIO DEVICES ON ALL FLOORS	DISPLAY/PRINT CHANGE OF STATUS	TRANSMIT AUTOMATIC ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT MANUAL SIGNAL TO SUPERVISING STATION	TRANSMIT WATERFLOW SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT CO ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT PUMP TROUBLE SIGNAL TO SUPERVISING STATION	ACTIVATE A TEMPORAL 4 SIGNAL ON ACTIVATED CO SOUNDER BASES	SHUT DOWN CO PRODUCING EQUIPMENT	RELEASE MAGNETICALLY HELD DOORS	RECALL ELEVATORS TO FIRST FLOOR, OPEN CAB DOOR	RECALL ELEVATORS TO ALTERNATE FLOOR, OPEN CAB DOOR	REMOVE ELEVATOR POWER (SHUNT TRIP)	CLOSE SMOKE/FIRE DAMPERS IN RATED WALLS	UNLOCK NECESSARY EXITS AND DISCONNECT EGRESS TURNSTILES	OPEN APPROPRIATE SMOK HATCH	SHUT DOWN ASSOCIATED FAN	CLOSE ASSOCIATED SMOKE DAMPER	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Z	
1	MANUAL FIRE ALARM BOXES	X	X					X	X		X							X									1
2	AREA SMOKE DETECTORS	X	X					X	X	X								X				X	X	X	X	X	2
3	ELEVATOR LOBBY, TOP OF SHAFT & MACHINE RM SMOKE DETECTORS	X	X					X	X	X								X	X			X	X		X	X	3
4	SMOKE DETECTORS AT PRIMARY RECALL LEVEL	X	X					X	X	X								X		X		X	X		X	X	4
5	AIR SAMPLING PANEL ALARM	X	X					X	X	X								X				X	X	X	X	X	5
6	IN-DUCT SMOKE DETECTORS	X	X					X	X	X								X				X	X		X	X	6
7	HEAT DETECTORS	X	X					X	X	X								X				X	X		X	X	7
8	ELEVATOR SHAFT HEAT DETECTOR	X	X					X	X	X								X	X		X	X			X	X	8
9	WATERFLOW	X	X					X	X			X						X	X			X	X		X	X	9
10	KITCHEN (ANSUL) SYSTEM	X	X					X	X	X								X				X	X	X	X	X	10
11	CARBON MONOXIDE DETECTORS AT SOURCE			X	X				X					X		X	X										11
12	CARBON MONOXIDE DETECTORS REMOTE FROM SOURCE			X	X				X					X		X											12
13	SPRINKLER CONTROL VALVE (TAMPER SWITCH)			X	X				X				X														13
14	AIR SAMPLING PANEL TROUBLE			X	X				X				X														14
15	FIRE ALARM AC FAILURE					X	X		X						X												15
16	FIRE ALARM SYSTEM LOW BATTERY					X	X		X						X												16
17	OPEN CIRCUIT					X	X		X						X												17
18	GROUND FAULT					X	X		X						X												18
19	NOTIFICATION APPLIANCE CIRCUIT SHORT					X	X		X						X												19
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X		

PLAN VIEW		S	S
ELEVATION VIEW	WHITE/CLEAR FIRE ALARM STROBE CLEAR/ALERT MASS NOTIFICATION STROBE	COMBINATION SPEAKER AND WHITE/CLEAR FIRE ALARM STROBE CLEAR/ALERT MASS NOTIFICATION STROBE	SPEAKER

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CERTIFICATE OF AUTHORIZATION #: 0018327

Dewberry

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

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

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EXPIRATION DATE:
September 30, 2024

CONTRACT:
CONSTRUCTION

TITLE:
NATIONAL GUARD READINESS CENTER ADDITION/ALTERATION

LOCATION:
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY

CLIENT:
DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT FOR CONSTRUCTION

MARK	DATE	DESCRIPTION
01	06-07-2024	ADDENDUM 05
	02-29-2024	BID SET

PROJECT NUMBER: 47166-C
DESIGNED BY: JK
DRAWN BY: MG
FIELD CHECK:
APPROVED: GL

SHEET TITLE:
FIRE ALARM SYMBOLS, OPERATION MATRIX AND NOTES

DRAWING NUMBER:
FA-001

SHEET: OF

Autodesk Docs://2209_LEX ARMORY/47166-LEX_ELEC-R24.rvt
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