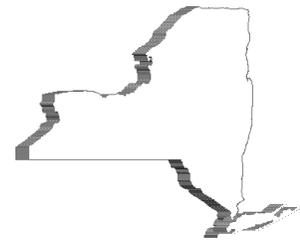




STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242



ADDENDUM NO. 15 TO PROJECT NO. 44578

**CONSTRUCTION WORK - PLA
MAJOR BUILDING RENOVATIONS FOR THE
MANHATTAN FORENSIC
RELOCATION
MANHATTAN PSYCHIATRIC CENTER
600 EAST 125th STREET
WARDS ISLAND, NY 10035**

November 6, 2015

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.

ELECTRICAL SPECIFICATIONS

1. SECTION 260512 PRIMARY WIRING – 5 KV NOMINAL: Discard the Section bound in the Project Manual and substitute the attached Section (pages 260512-1 thru 260512-9) noted “REVISED 11/4/2015”.

SECURITY SPECIFICATIONS

2. SECTION 111904 STEEL SECURITY SCREENS: Discard the Section bound in the Project Manual and substitute the attached Section (pages 111904-1 thru 111904-4) noted “REVISED 11/4/2015”.

ARCHITECTURAL DRAWINGS

3. Drawing Nos. A-100-2 and A-100-2D: Provide a 2 ft x 2 ft wall access door to IT CABLE TERMINAL CONNECTOR BLOCKS (installed in BP-1), at Col. line west of E at 17.
4. Drawing No. A-101-2C: FIRST FLOOR PLAN, PART C: Delete partition tags labeled "B" and "B4" from glass partitions along Col. lines L and N between 18 & 18A and along Col. line 17A between K & L and M & N.
5. Drawing No. A-117-2 (REVISED 09/24/2015 and issued with Addendum #8), ROOF PLAN - PART A:
 - a) Move detail tag 3/A-907-2 from current location on Col. line H between 8 & 9, to the intended location on the screen between Col. lines K & L and 8 & 9 to reference the section through the privacy screen.

6. Drawing No. A-404-2 COMMAND CENTER PLAN & ELEVATIONS:
 - a. ELEVATION 8.1: Change "8/A910-2" section tag to read "4/A910-2".
 - b. ELEVATION 2: Change "4/A910-2" section tag between Col. line 17A & 18 to read "2/A910-2".

7. Drawing No. A-714-2, ELEVATOR TOWER PLANS: Add the following:
 - a. 3-5/8" lightweight steel C studs @16 in. O.C. and 5/8" Gyp. Board, non rated "V" type furring parallel to the inside face of the elevator shaft, at Col. line G.8 between Col. lines 5 & 5.5, 5 in. ± from Col. line G.8 to the face of the furring.
 - b. 3-5/8" lightweight steel C studs @16 in. O.C. and 5/8" Gyp. Board, non rated "V" type furring parallel to the inside face of the elevator shaft, at Col. line E.7 between Col. lines 5 & 5.5, 6 in. ± from Col. line E.7 to the face of the furring.

8. Drawing No. A-904-2, DOOR TYPES, BUCK TYPES, AND DETAILS:
 - a. Delete the Note that appears to the right of DETAIL 5 in its entirety.
 - b. DOOR NOTES: Add the following Notes:
 18. STEEL DOORS & FRAMES IN PATIENT AREAS ARE 16.
 19. FOR DOOR FRAME INSTALLATION IN EXISTING MASONRY WALL FOLLOW DETAIL 1/A818-2."

9. Drawing No. A-913-2, DOOR SCHEDULE- PLATFORM & FIRST FLOOR: Add Door No. 104A-5 with the following:
 - a. Door Type Column: "EM".
 - b. Door Material: Steel.
 - c. Size: 36" X 84".
 - d. Fire rating: 3/4 hr.
 - e. Frame type: TYPE 1.
 - f. Frame Material: Steel.

10. Drawing No. AD-215-2, FIFTEENTH FLOOR DEMOLITION PLAN: Delete Keynote #1 at location K &2.

11. Drawing Nos. AF-101-2A, FIRST FLOOR ROOM FINISH PLAN, PART A:
 - a. Add floor finish "EP-2", and ceiling paint finish "P-1" to Stair #1.
 - b. Add floor finish "EP-2", wall finish "P-1" and ceiling paint finish "P-1" to Stair Q & Stair #36.
 - c. Add floor finish "VT-2", wall base "WB-1", paint finish "P-1" and ceiling paint "P-1" to new Vestibule 104A-5 at Col. line K between -1.5 & 1.

12. Drawing No. AF-102-2S, SECOND FLOOR ROOM FINISH SCHEDULE, Room 209A CONFERENCE RM:
 - a. Change "LVT-3" Floor Finish to read "C-2",
 - b. Change "WB-1" Base Finish to read "WB-4".
 - c. Change "P-1" Wall Finish to read "WC-2".
 - d. Add Room No. 104A-5 Vestibule, Floor base: VT-2, Wall base: WB-1, Wall paint: P-1, Ceiling: ACT-2, (GWB-2), Ceiling paint: P-1, Door Frame: P-8, Door: P-8, Wall Protection/Accessories: CG-1.

13. Drawing No. AF-115, FINISH SCHEDULE, FINISH SCHEDULE NOTES, Add the following Note:
“19. Include providing 300 - 2” x 4” cut openings in ACT-2 ceiling tiles for the installation of ceiling mounted microphones by the Owner’s Electronic Security Contractor. Locations of openings shall be determined by the Design Engineer during construction.”
14. Revised Drawings:
 - a. Drawing Nos. A-100-2C, A-100-2E, A-101-2, A-101-2A, A-101-2E, A-700-2, A-804-2, and A-811A-2, noted “REVISED DRAWING 11/04/2015” accompany this Addendum and replace the same numbered originally issued drawings, and any same numbered previously issued Revised Drawings.

HVAC DRAWINGS

15. Revised Drawings:
 - a. Drawing No. M-101-2A noted “REVISED DRAWING 11/04/2015” accompanies this Addendum and replaces the same numbered originally issued drawing, and any same numbered previously issued Revised Drawing.

ELECTRICAL DRAWINGS

16. Revised Drawings:
 - a. Drawing Nos. E-406-2, E-600-2, and E-622-2 noted “REVISED DRAWING 11/04/2015” accompany this Addendum and replace the same numbered originally issued drawings, and any same numbered previously issued Revised Drawings.

HAZMAT DRAWINGS

17. Revised Drawings:
 - a. Drawing Nos. H-103, H-103-1A, and H-115-1 noted “REVISED DRAWING 11/04/2015” accompany this Addendum and replace the same numbered originally issued drawings, and any same numbered previously issued Revised Drawings.

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

SECTION 111904

STEEL SECURITY SCREENS

PART 1 GENERAL

1.01 DESCRIPTION

- A. Provide steel security screens and related work as required for a complete installation, where indicated; in accordance with the design and arrangement shown on the Contract Documents for Construction.
- B. Protect existing contiguous construction including masonry, metal windows, and metal sills.

1.02 SUBMITTALS

- A. Shop Drawings: Show fabrication details and connections to adjacent work.
- B. Product Data: Manufacturer's catalog sheets, specifications, and installation instructions for frames, woven rod, hinges, fasteners, locking system, and scribes. Submit finish color chart.
- C. Contract Closeout Submittals: Furnish the following, as applicable:
 - 1. Operation and maintenance data.
 - 2. Parts list.
 - 3. Keys and tools.

1.03 QUALITY ASSURANCE

- A. Manufacturer: Furnish products of a recognized producer of steel security screens.
- B. Technical Advisor: Secure the services of a full-time employee of the security screen manufacturer, designated in writing by the Company to be technically qualified in the design, installation, operation, and servicing of the required products for a minimum of two site inspections for the following:
 - 1. Witness the mock-up installations, and provide a written report detailing any deficiencies requiring correction in order to certify with an affidavit that the assembly is installed correctly and is operating properly.
 - 2. Render technical assistance to the Installer regarding installation procedures of the detention equipment.
 - 3. Familiarize the Director's Representative with the aspects of proper installation and operation of the detention equipment.
 - 4. Answer questions which might arise.
- C. Project First Installation:
 - 1. At designated areas on the site, provide Project First Installation representing the scope of work.

2. Location: On any window opening in Buildings 106 or 103 Link, and 105 Link, subject to approval of the Director's Representative.
3. Provide First Installation consisting of one full-size Security Screen subject to review and acceptance of the Director's Representative.
4. Assembly shall be complete and fully operational.
5. Extent of First Installation: As directed by the Director's Representative.
6. Subcontractors' installers providing the First Installation shall be the same installers performing the Work of the Contract.
7. The accepted First Installation may be used as part of the Work, and may be included in the finished Work.
8. Revise as necessary to secure Director's Representative's approval.
9. The Project First Installation, when approved by the Director's Representative, will be used as datum for comparison in materials, installation, and workmanship with the remainder of the work of this Section for the purposes of acceptance or rejection.

D. Each screen shall come fully assembled and tested from the factory.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURER

- A. Kane Manufacturing Corp. Level 9 Vantage-Wall Operating Barrier, Model G-VWO-O.

2.02 STEEL SECURITY SCREENS

- A. Main Frames: Assemblies consisting of a hinged units as indicated.
 1. Main frames built-up tubular type, measuring 5/8" x 1-3/8" x 2-1/2" x 1-3/8" x 5/8", with removable concealment plates. The open channel frame members shall be formed of not less than 12-gauge A60 Galvannealed steel and shall have individual slots along the inner edges to support the woven rod panel. The corners of the main frame shall be notched for self-aligning and robotically welded and dressed smooth as per AWS standards. Braces, which are similar to the frame, shall be furnished when required or as indicated on final shop drawings.
 2. The removable concealment plates measuring 2-5/16" shall be of 12-gauge A60 Galvannealed steel and shall be attached to the main frame along inner and outer edges using 3/16" stainless steel blind rivets approximately 8" on center to complete the tubular shape. Completed units shall be free of rough edges and burrs.
- B. The sub-frame measuring 3/4" x 1-7/16" x 1-7/16" shall be formed of 12-gauge A60 Galvannealed steel on all sides. Corners of the sub-frame shall be notched for self-aligning and robotically welded as per AWS standards on both sides to provide a rigid frame within which the main frame operates.

- B. Anchorage and fasteners required to attach the security screens to the building structure shall be in accordance with the details and as approved on final shop drawings.
- C. Rod Attachment: Woven Rod Panels shall be installed symmetrically into the slotted main frame. Slots shall be centered according to the Rod Pattern. Each rod shall penetrate into each slot where it contacts the main frame. Every other rod shall be welded into the slot at both ends where it penetrates the main frame. Diameter and hardness of oil-tempered steel rod shall be indicated on final shop drawings.
- D. Locks and Keying:
 - 1. Lock: Each screen shall have a concealed, ball-bearing 1/2" diameter case hardened steel bolts. The bolts shall operate simultaneously from one key station with Kane 107 N Lock.
 - 2. Lock shall have a minimum of four tumblers.
 - 3. Keying: Keyed Alike, provide 10 keys unless otherwise requested by the Director's Representative.
- E. Hardware:
 - 1. Each screen shall be provided with two or more concealed 13-gauge, electroplated steel hinges with 1/4" diameter hardened, loose stainless steel pins, and integral compression guards.
 - 2. 16-gauge 3/4" x 1-9/16" x 3/4" Galvannealed steel scribe channels shall be supplied at the head and jambs where required.

2.02 FINISH

- A. Ferrous metal work included in this Section, including main frame, subframe, rods, concealment plates and related work shall be completely finished on all interior and exterior surfaces, exposed and concealed, in the shop. Thoroughly clean in a five-step bonderizing process.
- B. All surfaces shall receive shop finished, electrostatically applied, thermoplastic, polyester powder coating, minimum 2.5 mil thickness, applied and baked to a hard, mar-resistant finish meeting or exceeding AAMA 2603 requirements.
 - 1. Color as selected from manufacturer's color chart by the Director's Representative.

PART 3 EXECUTION

3.01 INSPECTION

- A. Verify that all openings fit allowable tolerances and are plumb, level. Provide a solid anchoring surface, and comply with the final shop drawings.

3.02 INSTALLATION

- A. Install Work of this Section in accordance with the manufacturer's recommendations and final shop drawings.
- B. Faces shall be plumb and aligned in a single plane. Erect screens square and true, and securely anchored to structure.

3.03 ADJUSTING

- A. Adjust barriers and hardware to work properly.
- B. Touch up damaged painted surfaces with manufacturer's touch-up kit in accordance with their printed instructions after installation is complete.

3.04 ADJUSTMENT AND CLEANING

- A. After installation, clean all surfaces of screen, frames and subframe assemblies of all foreign material. Comply with manufacturer's printed recommendation for cleaning.

END OF SECTION

SECTION 260512

PRIMARY WIRING - 5KV NOMINAL

PART 1 GENERAL

1.01 SUMMARY

- A. Furnish and install all 5 kV cables as specified herein and as required for distribution of power throughout the Project as indicated on and in accordance with the requirements of the Contract Documents.
- B. Section includes:
 - 1. Individual Conductors.
 - 2. Connectors.

1.01 RELATED DOCUMENTS

- A. Refer to Divisions 01, 21, 22, 23, 25, 27 and 28 for the scope of work furnished and installed under those Divisions on which work in this Division may be dependent.
- B. The following specification sections apply to all Work herein:
 - 1. Section 260507 - Access Doors and Color Coded Identification in General Construction.
 - 2. Section 260512 - Primary Wiring 5kV Nominal
 - 3. Section 260519 - Wiring General 600V And Under.
 - 4. Section 260520 - Heating Cable.
 - 5. Section 260526 - Grounding and Bonding for Electrical Systems.
 - 6. Section 260529 - Fasteners Attachments and Supporting Devices.
 - 7. Section 260533 - Raceway and Boxes for Electrical Systems.
 - 8. Section 260536 - Cable Trays for Electrical Systems.
 - 9. Section 260548 - Vibration and Seismic Controls for Electrical Systems.
 - 10. Section 260553 - Identification for Electrical Systems.
 - 11. Section 260573 - Overcurrent Protective Device Coordination Study and Arc Flash Study.
 - 12. Section 260923 - Lighting Control Devices.
 - 13. Section 261220 - Transformers Station Type.
 - 14. Section 261313 - Metal Clad Switchgear.
 - 15. Section 261320 - High Voltage Switch and Fuse Assembly
 - 16. Section 261330 - Load Center Unit Substation.
 - 17. Section 262212 - Transformers Dry Type 600V.
 - 18. Section 262413 - Switchboards.
 - 19. Section 262416 - Panelboards.
 - 20. Section 262500 - Enclosed Bus Assemblies.
 - 21. Section 262713 - Metering.
 - 22. Section 262726 - Wiring Devices.
 - 23. Section 262813 - Fuses.
 - 24. Section 262816 - Enclosed Switches and Circuit Breakers.
 - 25. Section 263020 - Generator Control Switchgear.
 - 26. Section 263623 - Automatic Transfer Switches.
 - 27. Section 264300 - Surge Protective Device System.
 - 28. Section 265101 - Back of House Interior Lighting.

1.02 REFERENCES

- A. All 5 kV medium voltage cable and all components shall be designed, manufactured, tested, and installed in accordance with the latest applicable codes and reference standards, including the following:
- B. Codes:
 - 1. BCSNY - Building Code of the State of New York.
 - 2. NYSEC - New York State Electrical Code.
- C. Reference Standards:
 - 1. ASTM B3 - Standard Specification for Soft or Annealed Copper Wire.
 - 2. ASTM B8 - Standard Specification for Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft.
 - 3. ASTM B33 - Standard Specification for Tin-Coated Soft or Annealed Copper Wire for Electrical Purposes.
 - 4. ASTM D2275 - Standard Test Method for Voltage Endurance of Solid Electrical Insulating Materials Subjected to Partial Discharges (Corona) on the Surface.
 - 5. ICEA S-93-639/ - 5-46 kV Shielded Power Cable for Use in the Transmission and Distribution of Electric Energy.
 - 6. NEMA WC 74
 - 7. IEEE 48 - Standard for Test Procedures and Requirements for Alternating Current Cable Terminations Used on Shielded Cables Having Laminated Insulation Rated 2.5 kV through 765 kV or Extruded Insulation Rated 2.5 kV through 500 kV.
 - 8. IEEE 386 - Standard for Separable Insulated Connector Systems for Power Distribution Systems Above 600V.
 - 9. IEEE 404 - Standard for Extruded and Laminated Dielectric Shielded Cable Joints Rated 2,500V to 500,000V.
 - 10. IEEE 576 - Recommended Practice for Installation, Termination, and Testing of Insulated Power Cable as Used in Industrial and Commercial Applications
 - 11. UL 1072 - Standard for Medium-Voltage Power Cables.

1.03 SUBMITTALS

- A. The following submittal data shall be furnished according to the Conditions of the Construction Contract and Division 01 and shall include, but not be limited to:
 - 1. Electric conductors, complete with material list, samples, etc.
 - 2. Lugs, taps, and splice materials, etc.
 - 3. Matrix indicating where each type of equipment is to be used.
 - 4. Cable pulling lubricant.
 - 5. Cable pulling tension calculations, including diagrams.
- B. Product Data: Catalog sheets, specifications and installation instructions.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the requirements of the Division 01.

1.05 WARRANTY

- A. Comply with the requirements of the Division 01.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Being listed herein as an acceptable manufacturer does not permit the manufacturer to provide standard manufactured equipment which does not comply with the performance and/or physical characteristic requirements of the Contract Documents.
- B. All substitutions must be identified in the Base Bid as a voluntary DEDUCT alternate, and must be accompanied by a letter of equivalency certifying the product's equivalency in all performance and physical characteristics to the products listed herein. The proposed substitutions shall be inclusive of all cost and physical implications throughout the project. Under no circumstances should the substitution result in added cost to the project. Should the substitution be approved neither the project specifications nor the contract documents will be revised to reflect the substitution.
- C. If it complies with the Contract Documents, 5 kV medium voltage cables manufactured by one of the following manufacturers will be acceptable:
 - 1. General Cable.
 - 2. Kerite.
 - 3. The Okonite Company.
 - 4. Prysmian.
- D. If it complies with the Contract Documents, cable spicing terminating products and accessories manufactured by one of the following manufacturers will be acceptable:
 - 1. 3M Company; Electrical Products Division.
 - 2. G & W Electric Company/Joslyn.
 - 3. Mac Products.
 - 4. MP Husky.
 - 5. Prysmian.
 - 6. Thomas & Betts Corp./Elastimold.
 - 7. Tyco Electronics/Raychem.

2.02 INDIVIDUAL CONDUCTORS

Type	Single Conductor Shielded Power Cable - Type MV-105
Conductor	Uncoated annealed Class B compact round, stranded copper.
Voltage Rating	5 kV
Strand Filling	Conductor interstices shall be filled with impermeable compound.
Conductor Screen	Extruded semi-conducting ethylene propylene rubber (EPR) thermoset.
Insulation	EPR thermoset.
Insulation Level	133%
Insulation Screen	Extruded semi-conducting EPR thermoset compound.
Metallic Shield	The 5-mil bare copper tape shield shall be helically applied with a 20% nominal overlap.
Jacket	Cross-linked polyolefin (XLPO) or chlorosulfonated polyethylene (CSP). In either case, the cable shall be cable tray rated with LSZH jacketing.

2. Terminations at Distribution Points: Modular type, consisting of terminators installed on cables and modular, dead-front, terminal junctions for interconnecting cables.
3. Load-Break Cable Terminators: Elbow-type units with 200A load make/break and continuous current rating; coordinated with insulation diameter, conductor size, and material of cable being terminated. Include test point on terminator body that is capacitance coupled.
4. Dead-Break Cable Terminators: Elbow-type unit with 600A continuous current rating, designed for deenergized disconnecting and connecting; coordinated with insulation diameter, conductor size, and material of cable being terminated. Include test point on terminator body that is capacitance coupled.
5. Dead-Front Terminal Junctions: Modular bracket-mounted groups of dead-front stationary terminals that mate and match with above cable terminators. 2-, 3-, or 4-terminal units as indicated, with fully rated, insulated, watertight conductor connection between terminals. Grounding lug and manufacturer's standard accessory stands, stainless-steel mounting brackets, and attaching hardware.
 - a. Protective Cap: Insulating, electrostatic-shielding, water-sealing cap with drain wire.
 - b. Portable Feedthrough Accessory: 2-terminal, dead-front junction arranged for removable mounting on accessory stand of stationary terminal junction.
 - c. Grounding Kit: Jumpered elbows, portable feedthrough accessory units, protective caps, test rods suitable for concurrently grounding 3 phases of feeders, and carrying case.
 - d. Standoff Insulator: Portable, single dead-front terminal for removable mounting on accessory stand of stationary terminal junction. Insulators suitable for fully insulated isolation of energized cable-elbow terminator.
6. Test-Point Fault Indicators: Arranged for installation in test points of load-break separable connectors. Self-resetting indicators capable of being installed with a shotgun hot stick and tested with a test tool. Current-trip ratings as indicated.
7. Tool Set: Shotgun hot stick with energized terminal indicator, fault-indicator test tool, and carrying case.

E. Fire and Arc-Proofing Materials

1. All arc-proofing must comply with the requirements and recommendations of NEC for utility services.
2. Arc-Proofing Tape: Fireproofing tape, flexible, conformable, intumescent to 0.03 inch (0.76 mm) thick, 3 inches wide, compatible with cable jacket.
3. Glass-Cloth Tape: Pressure-sensitive adhesive type, compatible with the arc proofing tape utilized.

F. Fault Indicators

1. Indicators: Manual-reset fault indicator, arranged to clamp to cable sheath and provide a display after the cable has faulted. Instrument immune to heat, moisture, and corrosive conditions and recommended by manufacturer for installation conditions. Indicators have current-trip ratings and quantities as indicated.
2. Resetting Tool: Designed for use with fault indicators, with moisture-resistant storage/carrying case.

PART 3 EXECUTION

3.01 INSTALLATION

A. Cable

1. Install cables as indicated, according to manufacturer's written instructions and IEEE 576.
2. Install cables in conduit after conduit system is completed.
3. Keep ends of cables sealed watertight at all times, except when making splices or terminations.
4. No grease, oil, or lubricant other than approved pulling compound may be used to facilitate the pulling-in of cables. Where used, only UL listed lubricants in accordance with Section 26 05 19, compatible with the type of insulation involved, which does not deteriorate conductor or insulation, may be used.
5. Use pulling eye attached to conductor(s) for pulling-in cables. Cable grip will not be allowed. Seal pulling eye attachment watertight.
6. Submit cable pulling tensions for all feeders for Engineer review and approval prior to pulling the feeders. Cable pulling tensions and sidewall pressures shall not exceed the manufacturer's recommended values. Pull all cables with a dynamometer or strain gauge incorporated into the pulling equipment. Do not pull cables unless the client's representative is present to observe readings on the dynamometer or strain gauge during the time of actual pulling. Do not exceed pounds total strain on size cable for a 3 conductor pull (3 conductor cable or 3 single conductor cables).
7. Install exposed cables, parallel and perpendicular to surfaces of exposed structural members, and follow surface contours where possible.
8. In manholes, handholes, pull boxes, junction boxes, and cable vaults, train cables around walls by the longest route from entry to exit and support cables at intervals adequate to prevent sag.
9. Connect feeders to maintain phase relationship through system. Phase legs of feeders shall match bus arrangements in equipment to which the feeders are connected. Use Elastimold PD35 low impedance phase meter with accessory test point to verify phase relationship.

B. Terminations and Splices

1. All terminations where available short circuit amperage is 40,000 amps or greater shall be Class 1 type potheads. Where any termination on a specific piece of equipment is 40,000 amps or greater, all connections to that piece of equipment shall be Class 1 type potheads.
2. Splice and terminate cable in accordance with manufacturer's approved installation instructions, employing specific tools recommended by the manufacturer.
3. Terminate with shielded dead-front separable equipment connections. When necessary, with live-front equipment, use IEEE 48 Class 1 terminations to terminate cable in wet locations.
4. Use IEEE 48 Class 1 terminations to terminate cable inside of outdoor equipment which is not equipped with space heaters (pad-mounted switches, pad-mounted transformers, etc.). Class 1 or Class 3 terminations may be used to terminate cable inside of outdoor switchgear cubicles which are equipped with space heaters (metal-clad switchgear, metal-enclosed interrupter switchgear, etc.).
5. Use IEEE 48 Class 1 or Class 3 terminations to terminate cable in dry locations.
6. Ground shields of shielded cable at terminations, splices, and separable insulated connectors. Ground metal bodies of terminators, splices, cable and separable insulated-connector fittings, and hardware according to manufacturer's written instructions.
7. Incorporate approved method to prevent moisture from entering splices through grounding conductor.

8. Conductors shall not be spliced between the points of origin and termination. If splices are necessary, their use must be approved in writing by the Engineer before installation.
- C. Arc Proofing
1. Arc-proof all new feeders and existing feeders spliced to new feeders installed in a common pull box or manhole where, not protected by conduit, cable tray, direct burial, or termination materials.
 2. Smooth surface contours with electrical insulation putty.
 3. Cable sheath shall be cleaned prior to application of tape.
 4. Arc-proof each feeder in conformance with the tape manufacturer's requirements.
 5. Band arc-proofing tape adhesive, glass-cloth tape as required by the tape manufacturer.
- D. Fault Indicators
1. Install fault indicators on all terminations, separable connectors, etc.
- E. Identification
1. All circuits shall be identified in accordance with Section 26 05 53.
 2. All cables shall have the following stamped in legible indelible ink along the outer jacket at approximately three (3) foot intervals:
 - a. A sequential footage number on single conductor cables; on triplexed cables, one (1) leg is to be marked.
 - b. The size of the conductor, the voltage rating and the type of insulation.
 3. All cables shall contain a laminated mylar marker tape containing sequential footage, the name of the manufacturer, and the year in which the cable was manufactured.
 4. All non-compact conductors larger than No. 6 AWG shall have the center strand stamped with the following marking at approximately one (1) foot intervals:
 - a. Manufacturer's name.
 - b. Year of manufacture.
 5. Identify cables in manholes, pull boxes and in equipment to which they connect as follows:
 - a. Install tags on each insulated conductor indicating phase leg. Attach tags with non-ferrous metal wire. Install phase leg tags under arc proofing tapes.
 - b. Install tags on each feeder indicating feeder number, date installed (month, year), type of cable, voltage rating, size, and manufacturer. Attach tags to feeders with non-ferrous metal wire or brass chain. Install tags so that they are easily read without moving adjacent feeders or requiring removal of arc-proofing tapes.
- F. Supports
1. Conductors in vertical raceways shall be supported at intervals as required by Code. Provide additional supports if so indicated on the Drawings or recommended by the cable manufacturer. Supports shall be of the two-piece insulating type and shall be installed in suitable boxes with covers. Insulated supports shall properly secure the conductors and shall have the strength to carry the weight of the conductors attached thereto. Obtain documentation from cable manufacturers stating acceptance of support manufacture type and spacing utilized.
 2. Punch-lock-type clamps shall be placed every 25 ft. over the armor wires where wire armor is used.

3.02 FACTORY TESTING

- A. All electrical conductors shall be tested in accordance with the latest applicable industry standards and governing Code requirements.
- B. Test and inspect cables in accordance with ICEA S-93-639 before shipping.

3.03 FIELD TESTING

- A. Engage a qualified independent testing agency to perform field quality-control testing.
- B. Upon installation of medium-voltage cables and before electrical circuitry has been energized, demonstrate product capability and compliance with requirements.
- C. Perform each visual and mechanical inspection and electrical test stated in NETA ATS, Certify compliance with test parameters.
- D. Correct malfunctioning cables and accessories at project site, where possible, and retest to demonstrate compliance; otherwise, remove and replace with new units and retest.
- E. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and installer, to prevent entrance of moisture into the cables and to ensure medium-voltage cables are without damage or deterioration at the time of Substantial Completion.
- F. Test strand-filled cables for water-penetration resistance using a test pressure of 5 psig (35 kPa).
- G. Perform tests before and after cable has been installed complete with splicing, bonding, etc., and prior to termination and placing cable into service.
- H. Phase correlation testing shall be performed at all points of interconnection with the existing power feeder cabling system.
- I. Perform test on new cable after cable has been installed complete with all splicing, bonding, etc., and prior to placing cable into service. For feeders comprised of new and existing cable, perform test on new cable after it has been installed complete with splicing, bonding, etc., but prior to splicing to existing cable. Do not splice new cable to existing cable until new cable test has been completed. Separable splice must be used on all cases when splicing new to existing cable. Do not perform test on existing cable.
- J. Perform test with potential and duration specified by the referenced standards after approval of manufacturer's certified test data. Do not make tests until test voltages and duration have been approved in writing by the Engineer.
- K. List results of the tests and submit for review.
- L. All tests shall be performed in the presence of the Owner's Representative.
- M. All separable connector interfaces must be plugged with appropriate mating product. Consult with manufacturer's field representative for instruction.
- N. All medium voltage cables installed shall be tested as follows, using DC hi-potential.
- O. Proof-Testing of New Cables Prior to Installation

1. During this test, the cable will generally be still on shipping reel. Both ends shall be isolated.
2. The ends of the cable shall be protected or covered with plastic, plastic jar, or glass jar to minimize corona. (Note: No part of the cover shall touch the conductors.)
3. The DC voltage shall be applied between the conductor (minus) and metallic shield (plus), such that the rate of increase to the specified steps and voltage level is uniform and each step is completed in from one (1) to six (6) seconds. Readings of current and voltage shall be recorded at the end of each minute prior to increasing to the next specified voltage level.
4. The DC test voltage is to be held for the durations indicated below.

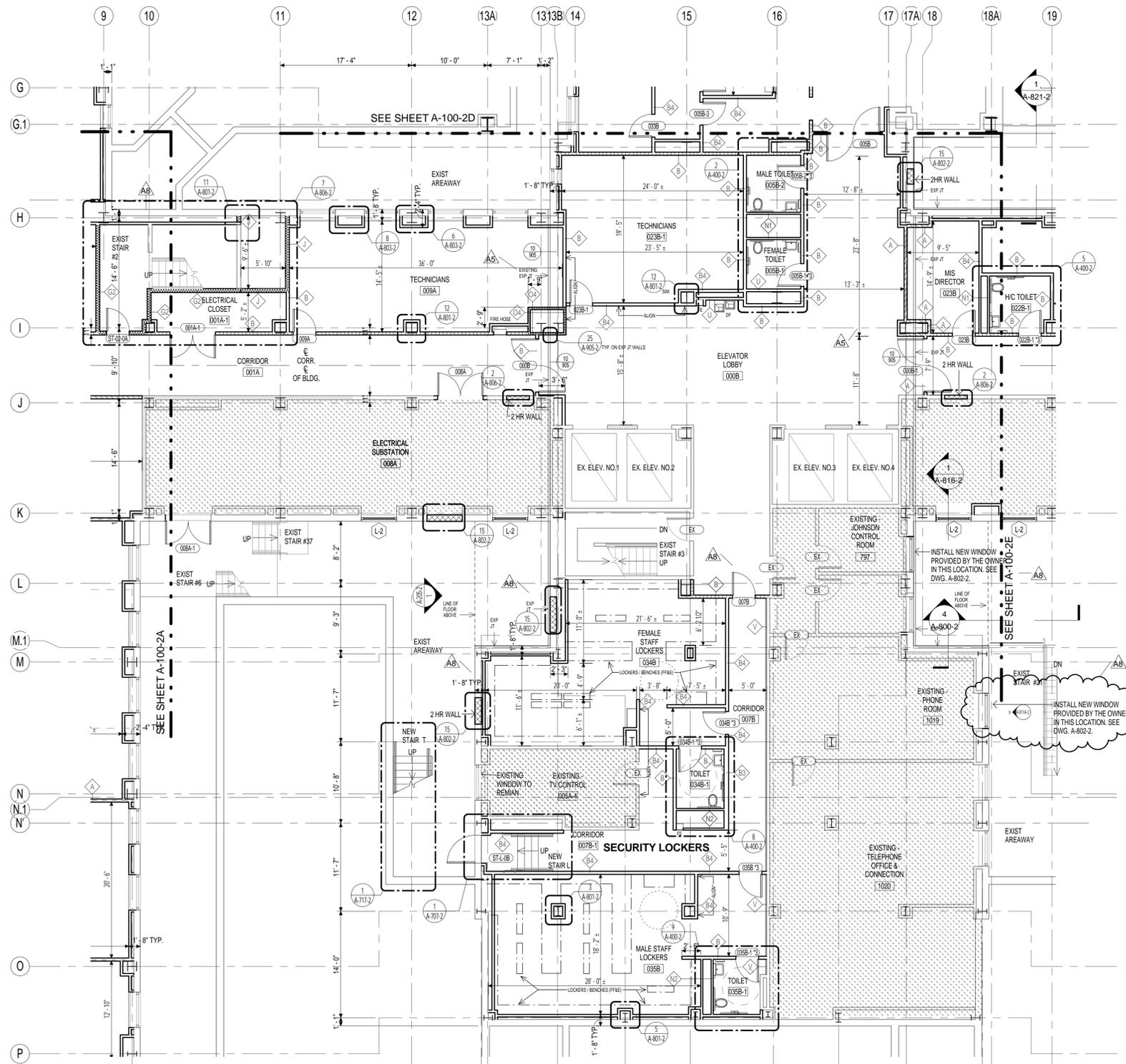
P. 5 kV Rated, EPR, 133% Insulation Level Hi-Potential Test

Step	Voltage Level	Duration	Time Elapse	Micro Amps
1	15 kV	1 Min.	1 Min.	
2	30 kV	1 Min.	2 Min.	
3	45 kV	1 Min.	3 Min.	
4	50 kV	1 Min.	4 Min.	
5	50 kV	1 Min.	5 Min.	
6	50 kV	1 Min.	6 Min.	
7	50 kV	1 Min.	7 Min.	
8	50 kV	1 Min.	8 Min.	
9	50 kV	1 Min.	9 Min.	

1. Field Testing of Cables After Installation: The cable shall be tested after installation and installation of stress relief devices as in above. Both ends of the cable shall be isolated from tap boxes, air break switches, transformers, etc. Remove all grounds from cable to be "hi-potted". For cables terminated with a 200 amp elbow connector, elbows shall be placed on an insulated parking bushing prior to test. For cables terminated with a 600 amp T-splice connector, the T-splice shall be capped prior to test.
2. Field Testing of New Cables Jointed to Existing Cable
3. 5 kV Rated, EPR, 133% Insulation Level Hi-Potential Test for New Cables Connected to Existing Cables
 - a. After acceptance tests for new cables rated at 5 kV have been made and new cables are spliced to existing cables, a second test of the entire cable run, from termination to termination, shall be made. This is only applicable where an existing cable is introduced into the circuit.
 - b. The procedure for testing shall be the same as indicated above, except that the test voltage shall be reduced to the values indicated on the appropriate form. Appropriate records shall be made, as indicated below.
4. The charge build-up on the conductors shall be allowed to drain off through the test set and voltmeter circuit. After the potential drops below 95% of the test value, the conductor shall be solidly grounded. The grounds shall be left on all conductors for a minimum of 4 times (4X) as long as the test voltage was applied during hi-potential tests and/or as long as someone is handling the conductors.

Q. Refer to Section 26 08 00 for additional testing requirements for medium voltage cables.

END OF SECTION 260513.26



1 BASEMENT FLOOR PLAN, PART "C"

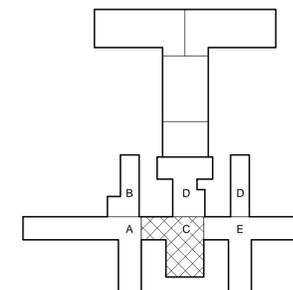
NOTE: ALL PARTITIONS TO BE TYPE "B" U.N.O.

SYMBOLS

- 1HR FIRE RATED PARTITION
- 2HR FIRE RATED PARTITION
- SMOKE PARTITION
- SMOKE BARRIER
- MASONRY INFILL
- NON RATED PARTITION
- EXISTING PARTITION
- INDICATES EXISTING SPACES TO REMAIN
- INDICATES SHAFT OPENINGS TO BE SAW CUT IN THIS CONTRACT. FOR ACTUAL SCOPE & DETAILS, SEE STRUCTURAL DRAWINGS FOR THIS CONTRACT AND BP-1 REFERENCE DRAWINGS.
- INDICATES EXISTING OPENING

GENERAL NOTES

1. ALL EXISTING DIMENSIONS TO BE VERIFIED IN FIELD.
2. ALIGN PARTITION WITH WINDOW JAMB
3. REFER TO WINDOW CONDITIONS ON A-802
4. FOR ALL EXTERIOR WALLS TO GET WALL FURRING, SEE DWGS: A-801-2, A-802-2 & A-803-2
5. FOR BORROWED LIGHT(BL) ELEVATIONS SEE A-812. FOR DETAILS SEE A-806
6. CONTRACTOR TO PATCH EXISTING ROOFS AT NEW MECHANICAL PENETRATIONS INCLUDING NEW RAILING.
7. CONTRACTOR TO COORDINATE LOCATION OF PREFABRICATED EQUIPMENT CURBS WITH MECHANICAL EQUIPMENT SHOWN IN MECHANICAL DRAWINGS.
8. STRIKE SIDE OF THE DOOR IS 6" TYP. U.O.N.
9. DIMENSION IS BASED ON THE FINISHES FACE OF NEW OR EXISTING WALLS.
10. FOR SUB-BASEMENT MER 2HR SEPARATION WALL SEE DWG A-811A.
11. NEW KNOCK DOWN DOOR FRAMES ARE TO BE PLACED IN AN EXISTING MASONRY OPENINGS.
12. REMOVE EXISTING FRAME AND INSTALL 3 PIECE KNOCK DOWN FRAME AS PER MANUFACTURERS INSTRUCTION TO MEET THE REQUIRED FIRE RATING. SEE DOOR SCHEDULE FOR RATING OF THE DOOR.
13. FILL OPEN TRANSOM AND TRANSOM SPACE WITH MASONRY TO MATCH SURROUNDING WALL CONSTRUCTION. SEE A-806-2.
14. PATCH MISCELLANEOUS SMALL OPENINGS OVER EXISTING WINDOWS WITH MORTAR.



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

REVISED DRAWING 11/04/2015

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**
DESIGN & CONSTRUCTION

CONSULTANTS:
RBSD | **STV** 100 Years
ARCHITECTS PC
A Joint Venture
225 Park Avenue South
New York, New York 10003

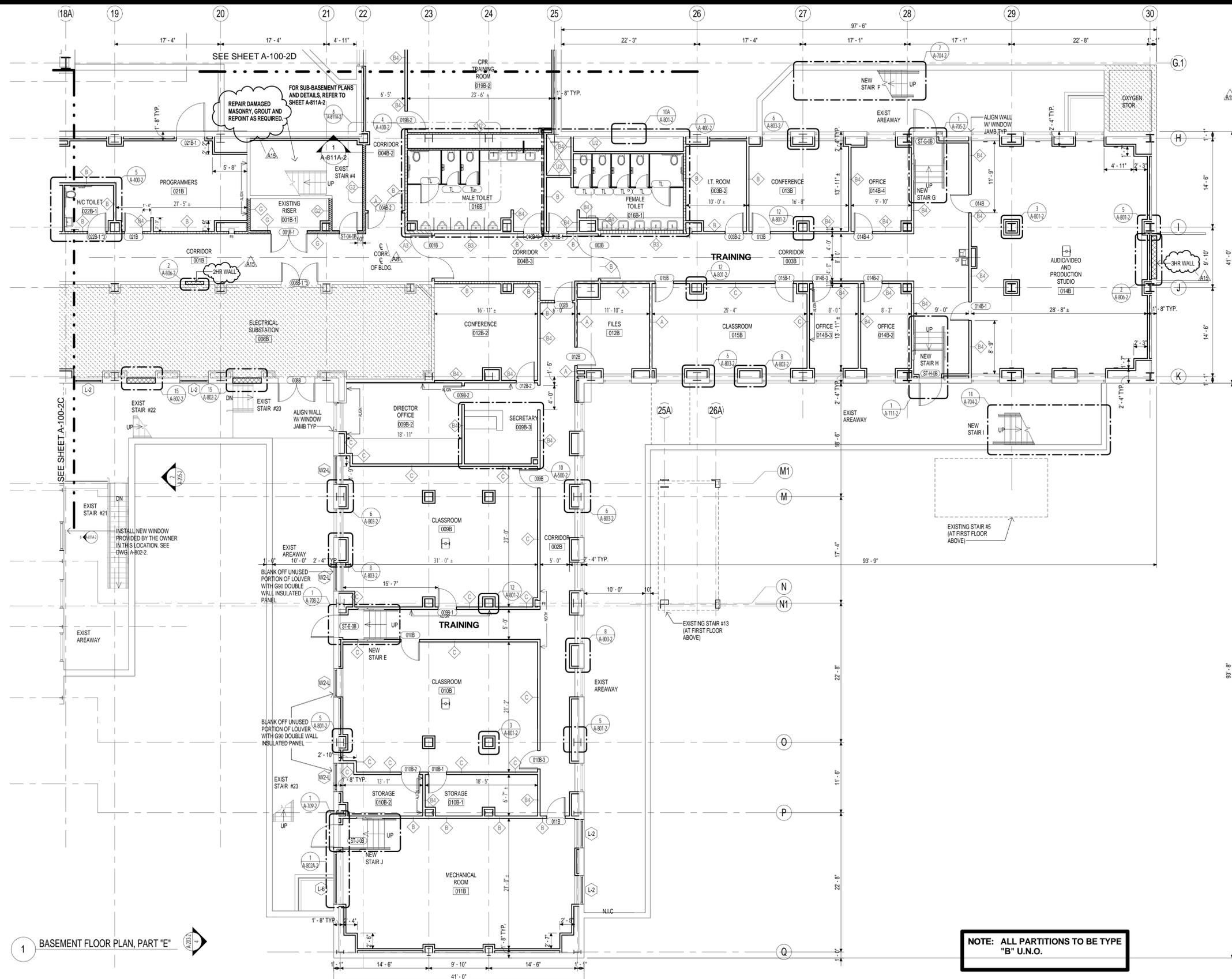
WARNING:
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CONTRACT:
CONSTRUCTION
TITLE:
MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION
LOCATION:
MANHATTAN PSYCHIATRIC CENTER, BUILDING No. 102
600 EAST 125TH STREET WARDS ISLAND, NY10035
CLIENT:
NYS OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION	APPROVED:
	11-04-2015	ADDENDUM # 15	44578
	09-24-2015	ADDENDUM # 8	DESIGNED BY: MAK / WW
	08-12-2015	ADDENDUM # 5	DRAWN BY: LR / LM / WW / JS / JM / DF / YB / YK
	6-15-2015	BID DOCUMENT	FIELD CHECK: N/A
			APPROVED: WS / MAK / LF

SHEET TITLE:
BASEMENT FLOOR PLAN, PART "C"
BUILDING NUMBER:
102
DRAWING NUMBER:
A-100-2C
SHEET

11/06/2015 10:06:24 AM

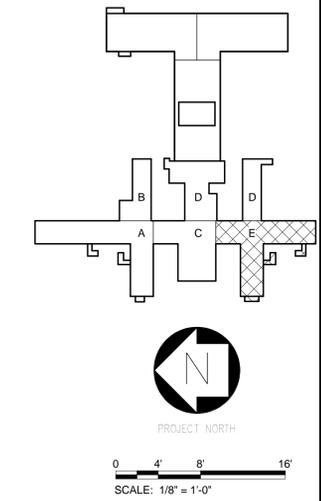


- SYMBOLS**
- 1HR FIRE RATED PARTITION
 - 2HR FIRE RATED PARTITION
 - SMOKE PARTITION
 - SMOKE BARRIER
 - MASONRY INFILL
 - NON RATED PARTITION
 - EXISTING PARTITION
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 - INDICATES SHAFT OPENINGS TO BE SAW CUT IN THIS CONTRACT. FOR ACTUAL SCOPE & DETAILS, SEE STRUCTURAL DRAWINGS FOR THIS CONTRACT AND BP-1 REFERENCE DRAWINGS.
 - INDICATES EXISTING OPENING

- GENERAL NOTES**
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 2. ALIGN PARTITION WITH WINDOW JAMB
 3. REFER TO WINDOW CONDITIONS ON A-802
 4. FOR ALL EXTERIOR WALLS TO GET WALL FURRING, SEE DWGS. A-801-2, A-802-2 & A-803-2
 5. FOR BORROWED LIGHT(BL) ELEVATIONS SEE A-812. FOR DETAILS SEE A-806
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 7. CONTRACTOR TO COORDINATE LOCATION OF PREFABRICATED EQUIPMENT CURBS WITH MECHANICAL EQUIPMENT SHOWN IN MECHANICAL DRAWINGS.
 8. STRIKE SIDE OF THE DOOR IS 6" TYP. U.O.N.
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 10. FOR SUB-BASEMENT MER 2HR SEPARATION WALL SEE DWG A-811A.
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 12. REMOVE EXISTING FRAME AND INSTALL 3 PIECE KNOCK DOWN FRAME AS PER MANUFACTURERS INSTRUCTION TO MEET THE REQUIRED FIRE RATING. SEE DOOR SCHEDULE FOR RATING OF THE DOOR.
 13. FILL OPEN TRANSOM AND TRANSOM SPACE WITH MASONRY TO MATCH SURROUNDING WALL CONSTRUCTION. SEE A-806-2.
 14. PATCH MISCELLANEOUS SMALL OPENINGS OVER EXISTING WINDOWS WITH MORTAR.

1 BASEMENT FLOOR PLAN, PART "E"

NOTE: ALL PARTITIONS TO BE TYPE "B" U.N.O.



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CONTRACT: CONSTRUCTION

TITLE: MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION

LOCATION: MANHATTAN PSYCHIATRIC CENTER, BUILDING No. 102, 600 EAST 125TH STREET WARDS ISLAND, NY10035

CLIENT: NYS OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION	APPROVED:
	11-04-2015	ADDENDUM # 15	MAK / WW
	09-24-2015	ADDENDUM # 8	LR / LM / WW / JS / JM / DF / YB / YK
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		FIELD CHECK:	N/A
		APPROVED:	WS / MAK / LF

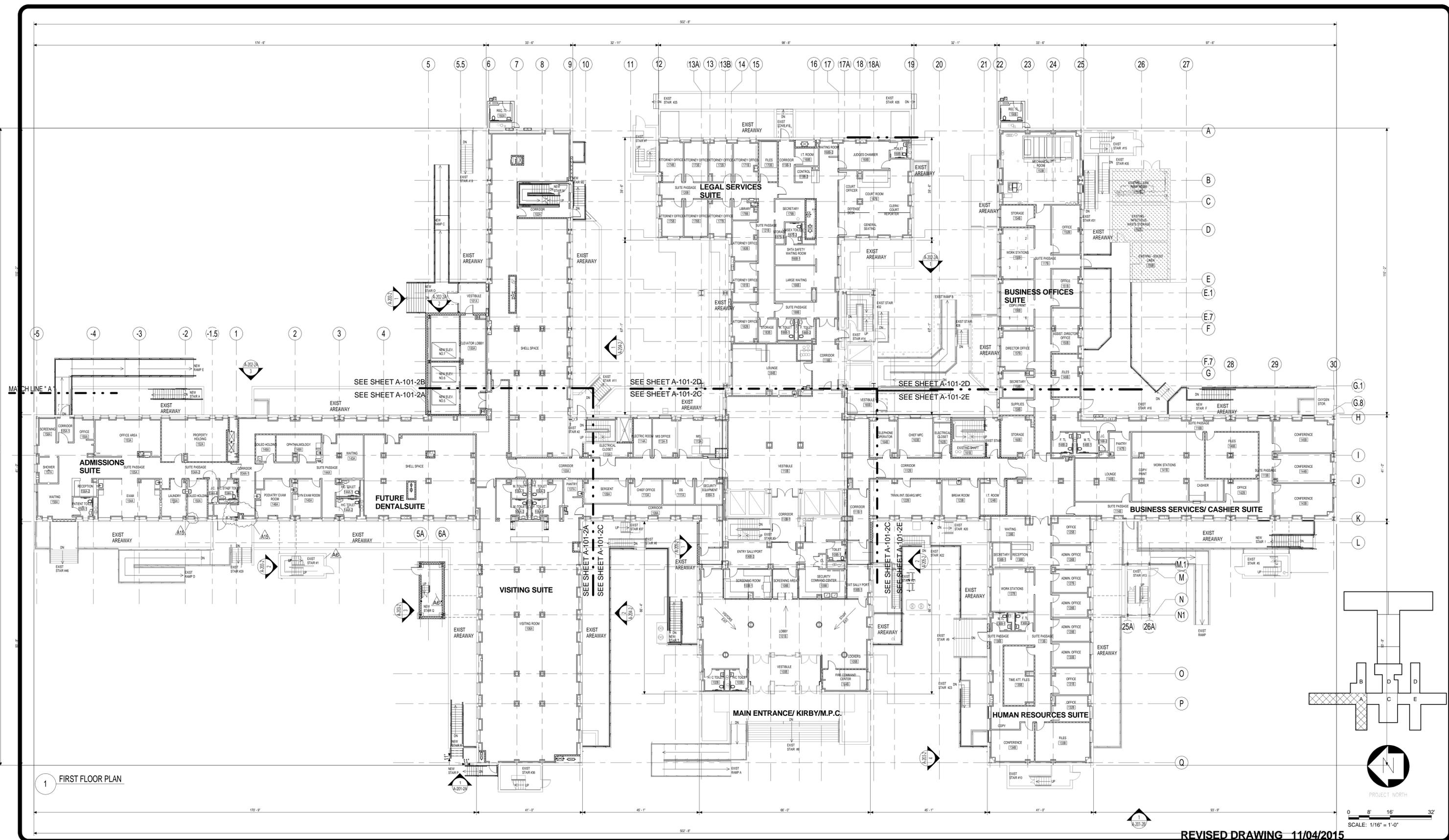
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BUILDING NUMBER: 102

DRAWING NUMBER: A-100-2E

SHEET

11/6/2015 10:30:34 AM



1 FIRST FLOOR PLAN

REVISED DRAWING 11/04/2015

11/06/2015 10:30:21 AM

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REGISTERED ARCHITECT
WILLIAM B. SEMITZ
NO. 10360
NEW YORK, N.Y.

CONTRACT: CONSTRUCTION

TITLE: MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION

LOCATION: MANHATTAN PSYCHIATRIC CENTER, BUILDING No. 102, 600 EAST 125TH STREET WARDS ISLAND, NY10035

CLIENT: NYS OFFICE OF MENTAL HEALTH

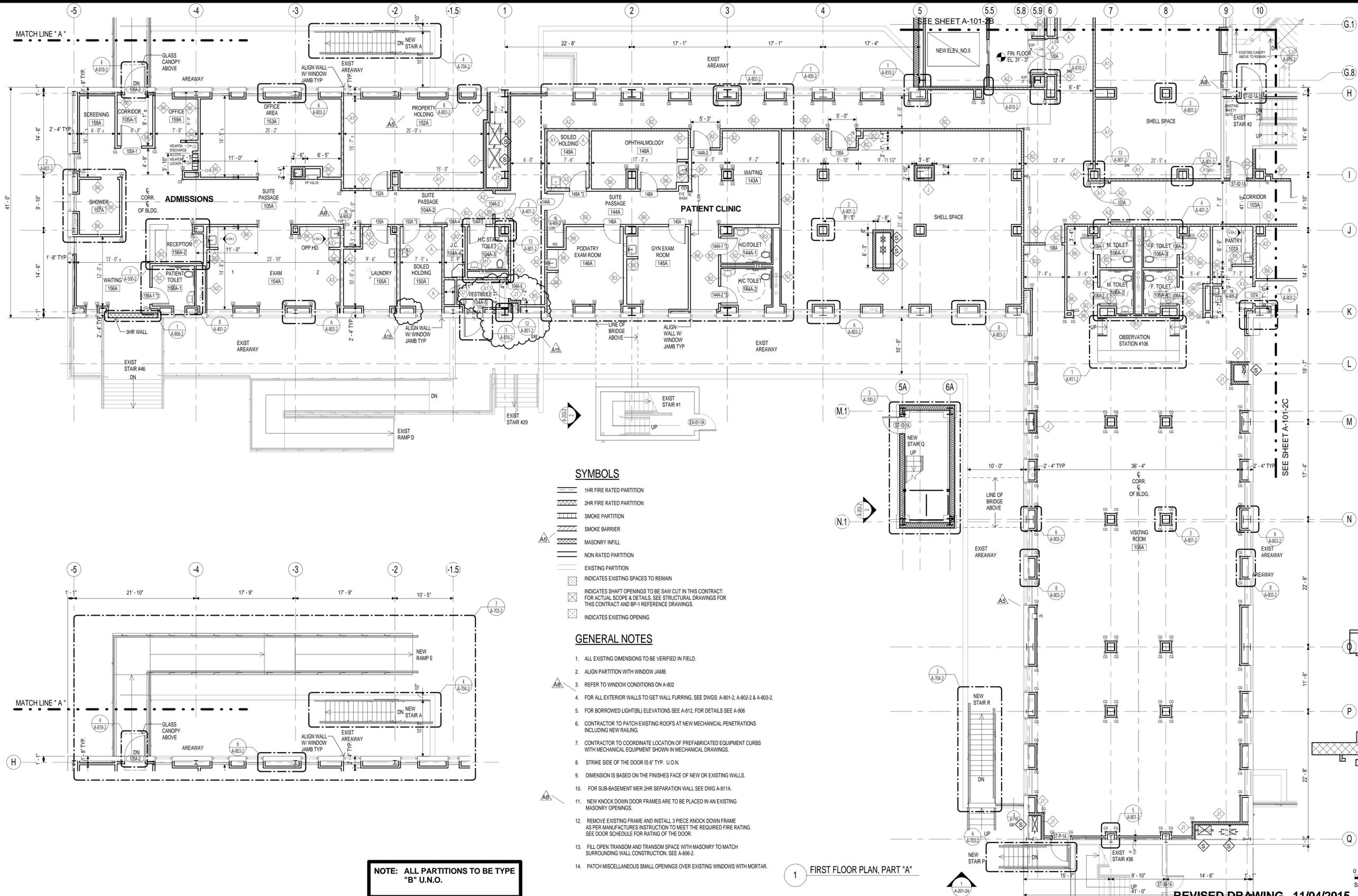
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A13	09-03-2015	ADDENDUM # 6	LR / LM / WW / JS / JM / DF / YB / YK
	6-15-2015	BID DOCUMENT	N/A
		FIELD CHECK:	N/A
		APPROVED:	WS / MAK / LF

SHEET TITLE: FIRST FLOOR PLAN

BUILDING NUMBER: 102

DRAWING NUMBER: A-101-2

SHEET



- SYMBOLS**
- 1HR FIRE RATED PARTITION
 - 2HR FIRE RATED PARTITION
 - SMOKE PARTITION
 - SMOKE BARRIER
 - MASONRY INFILL
 - NON RATED PARTITION
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 3. REFER TO WINDOW CONDITIONS ON A-802
 4. FOR ALL EXTERIOR WALLS TO GET WALL FURRING, SEE DWGS. A-801-2, A-802-2 & A-803-2
 5. FOR BORROWED LIGHT(BL) ELEVATIONS SEE A-812, FOR DETAILS SEE A-906
 6. CONTRACTOR TO PATCH EXISTING ROOFS AT NEW MECHANICAL PENETRATIONS INCLUDING NEW RAILING.
 7. CONTRACTOR TO COORDINATE LOCATION OF PREFABRICATED EQUIPMENT CURBS WITH MECHANICAL EQUIPMENT SHOWN IN MECHANICAL DRAWINGS.
 8. STRIKE SIDE OF THE DOOR IS 6" TYP. U.O.N.
 9. DIMENSION IS BASED ON THE FINISHES FACE OF NEW OR EXISTING WALLS.
 10. FOR SUB-BASEMENT MER 2HR SEPARATION WALL SEE DWG A-811A.
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 13. FILL OPEN TRANSOM AND TRANSOM SPACE WITH MASONRY TO MATCH SURROUNDING WALL CONSTRUCTION. SEE A-805-2.
 14. PATCH MISCELLANEOUS SMALL OPENINGS OVER EXISTING WINDOWS WITH MORTAR.

NOTE: ALL PARTITIONS TO BE TYPE "B" U.O.N.

1 FIRST FLOOR PLAN, PART "A"

REVISED DRAWING 11/04/2015

NEW YORK STATE OF OPPORTUNITY.

Office of General Services

DESIGN & CONSTRUCTION

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CONTRACT: CONSTRUCTION

TITLE: MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION

LOCATION: MANHATTAN PSYCHIATRIC CENTER, BUILDING NO. 102, 600 EAST 125TH STREET WARDS ISLAND, NY10035

CLIENT: NYS OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION	APPROVED:
A.19	11-04-2015	ADDENDUM # 15	WS / MAK / LF
A.8	09-24-2015	ADDENDUM # 8	MAK / WW
A.5	08-12-2015	ADDENDUM # 5	LR / LM / WW / JS / JM / DF / YB / YK
	6-15-2015	BID DOCUMENT	N/A

PROJECT NUMBER: 44578

DESIGNED BY: MAK / WW

DRAWN BY: LR / LM / WW / JS / JM / DF / YB / YK

FIELD CHECK: N/A

APPROVED: WS / MAK / LF

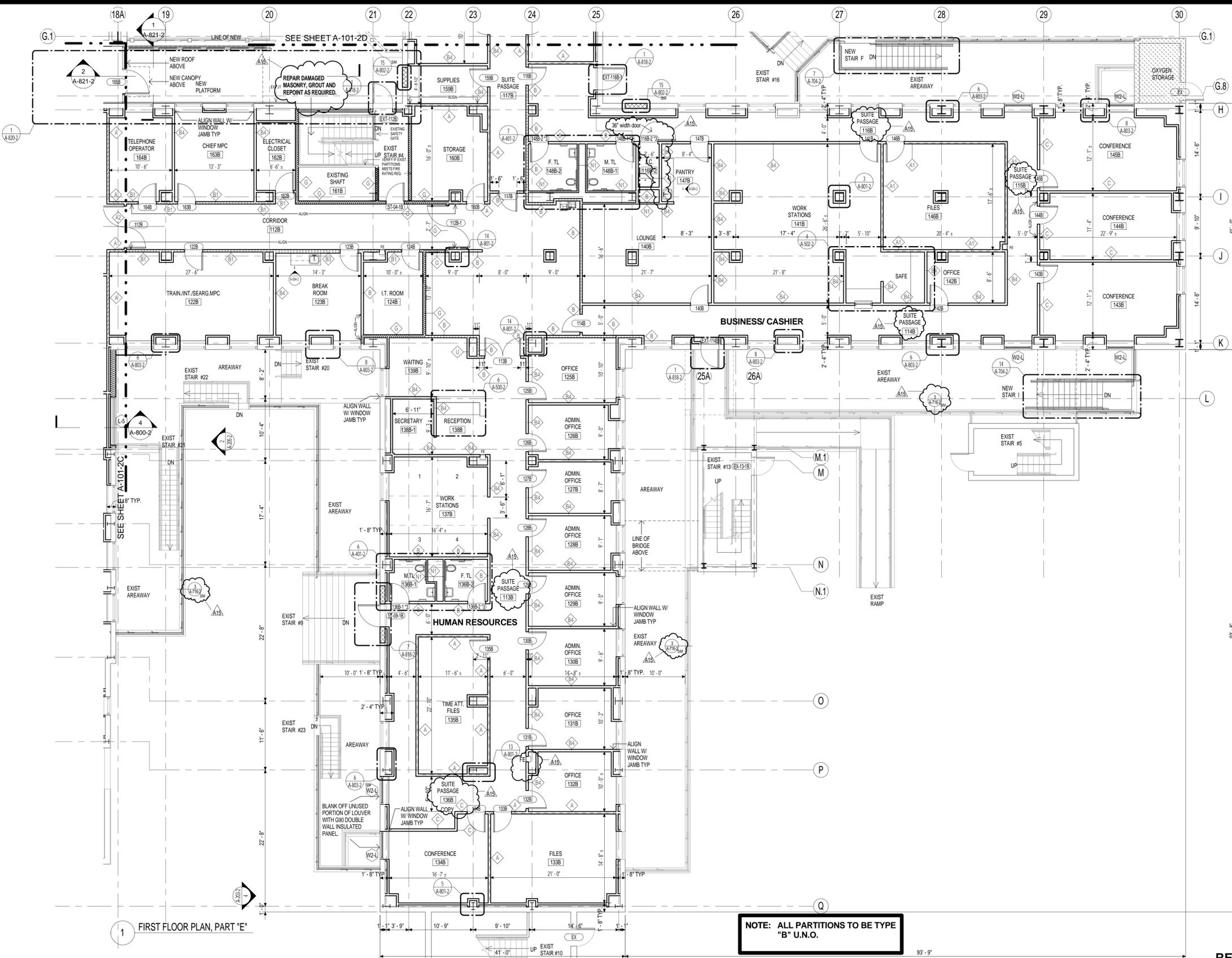
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BUILDING NUMBER: 102

DRAWING NUMBER: A-101-2A

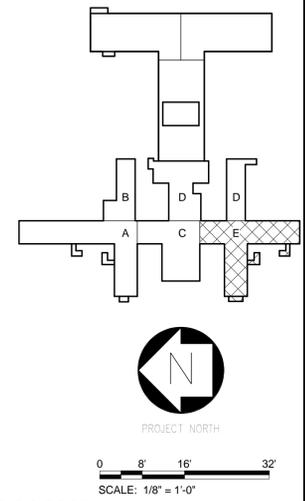
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11/05/2015 10:29:34 AM



- SYMBOLS**
- 1HR FIRE RATED PARTITION
 - 2HR FIRE RATED PARTITION
 - SMOKE PARTITION
 - SMOKE BARRIER
 - MASONRY IN PLACE
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 13. FILL OPEN TRANSOM AND TRANSOM SPACE WITH MASONRY TO MATCH SURROUNDING WALL CONSTRUCTION. SEE A-806-2.
 14. PATCH MISCELLANEOUS SMALL OPENINGS OVER EXISTING WINDOWS WITH MORTAR.



1 FIRST FLOOR PLAN, PART "E"

NOTE: ALL PARTITIONS TO BE TYPE "B" U.N.O.

REVISED DRAWING 11/04/2015

NEW YORK STATE OF OPPORTUNITY.
Office of General Services
 DESIGN & CONSTRUCTION

CONSULTANTS:
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CONTRACT:
 CONSTRUCTION
 TITLE:
 MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION
 LOCATION: MANHATTAN PSYCHIATRIC CENTER, BUILDING No. 102, 600 EAST 125TH STREET WARDS ISLAND, NY10035
 CLIENT:
 NYS OFFICE OF MENTAL HEALTH

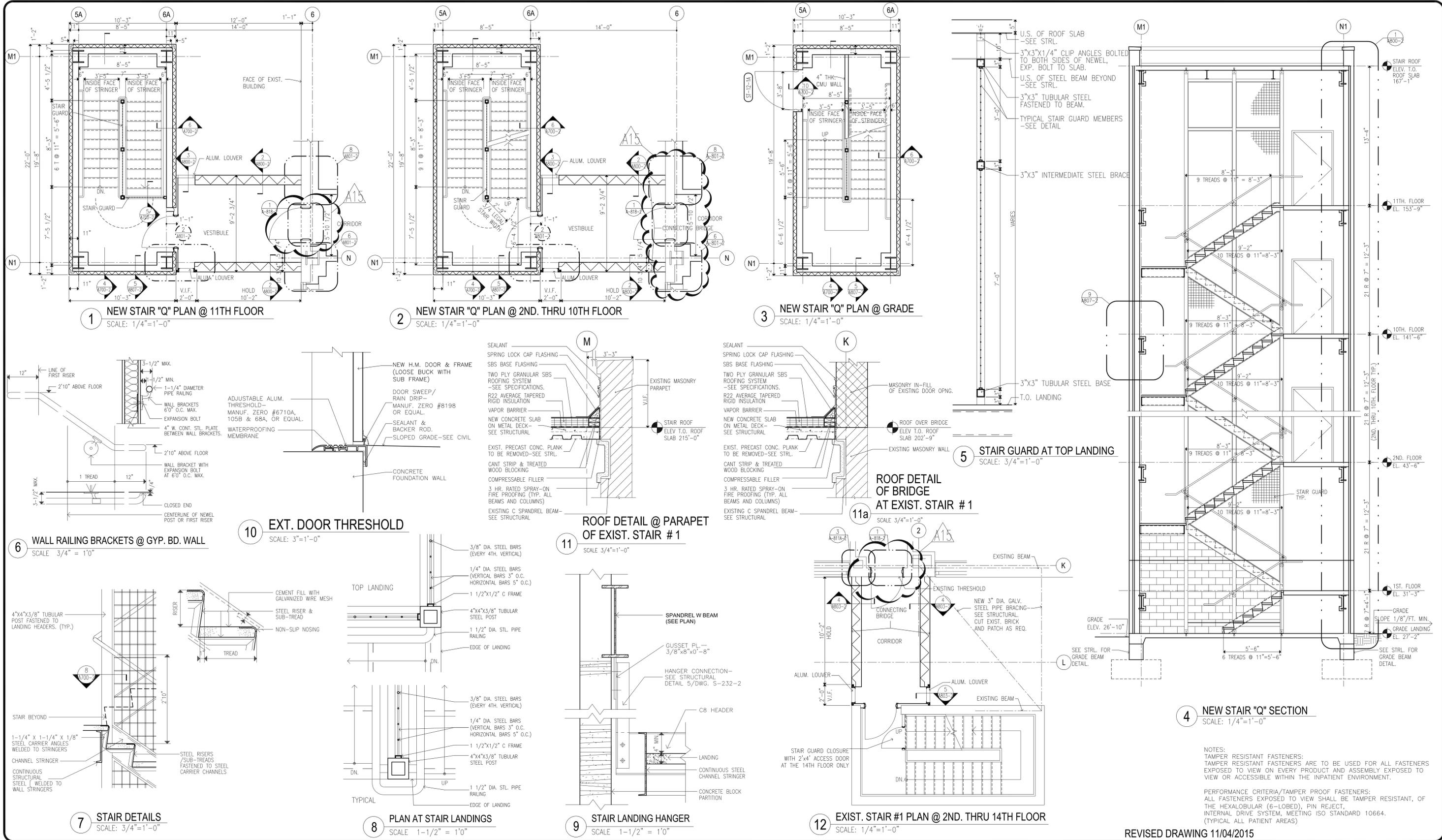
MARK	DATE	DESCRIPTION	APPROVED:
A13	11-04-2015	ADDENDUM # 15	MAK / WW
A8	09-24-2015	ADDENDUM # 8	LR / LM / WW / JS / JM / DF / YB / YK
	6-15-2015	BID DOCUMENT	N/A
		FIELD CHECK:	N/A
		APPROVED:	WS / MAK / LF

SHEET TITLE:
 FIRST FLOOR PLAN, PART "E"

BUILDING NUMBER: 102
 DRAWING NUMBER: A-101-2E

SHEET

11/6/2015 10:47:53 AM



REVISED DRAWING 11/04/2015

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DESIGN & CONSTRUCTION

CONSULTANTS:
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New York, New York 10003

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REGISTERED ARCHITECT
WILLIAM B. BENTLEY
NO. 10360
NEW YORK STATE

CONTRACT:
CONSTRUCTION

TITLE:
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LOCATION:
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600 EAST 125TH STREET WARDS ISLAND, NY 10035

CLIENT:
NYS OFFICE OF MENTAL HEALTH

PROGRESS PRINT

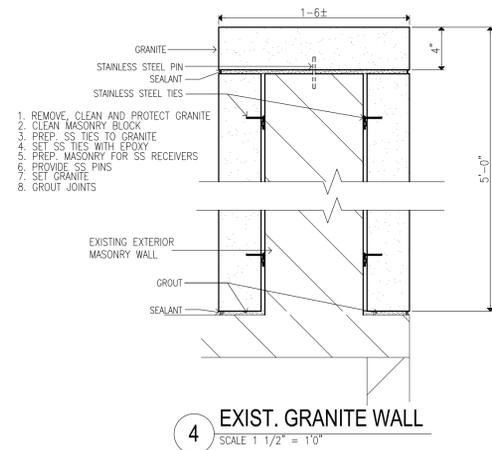
MARK	DATE	DESCRIPTION
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	6-15-2015	BID DOCUMENT

PROJECT NUMBER: 44578
DESIGNED BY: MAK / WW
DRAWN BY: JS/SV
FIELD CHECK: N/A
APPROVED: WS / MAK / LF

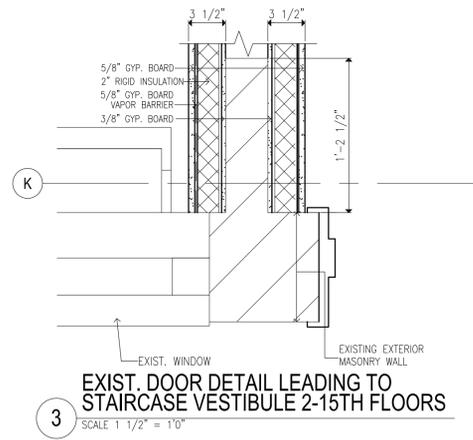
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NEW STAIR "Q" PLANS & SECTIONS & EXIST. STAIR # 1 PLAN

BUILDING NUMBER: 102
DRAWING NUMBER: A-700-2

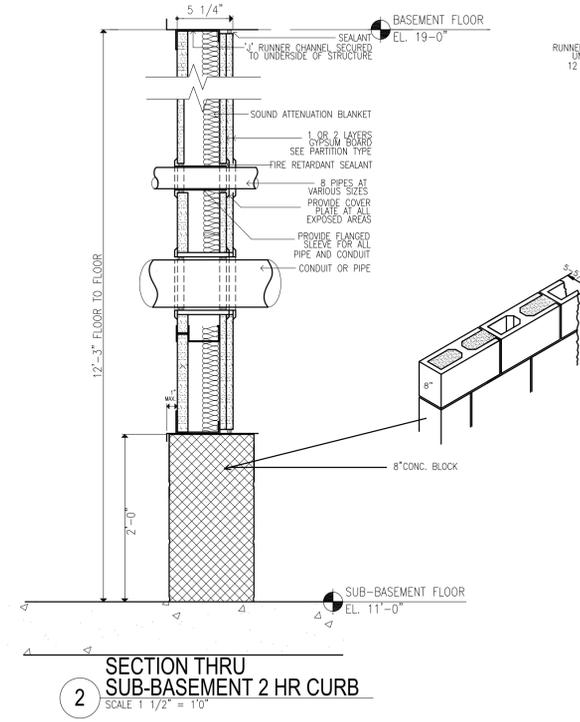
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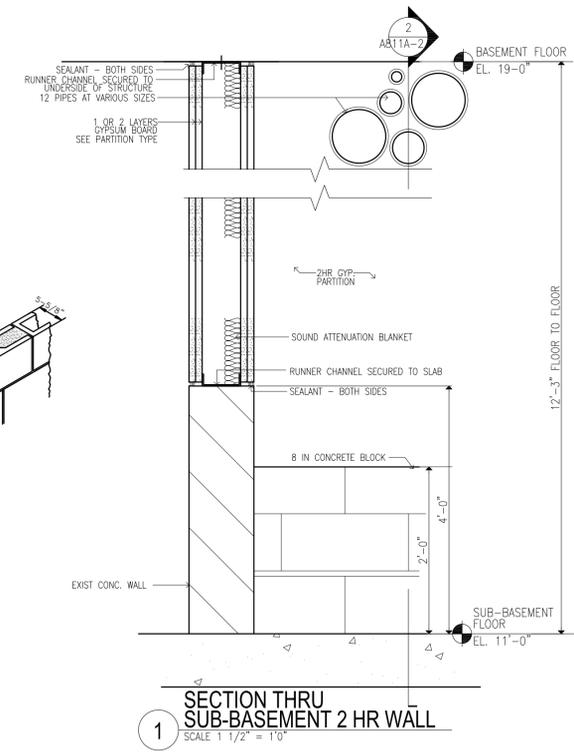
4 EXIST. GRANITE WALL
SCALE 1 1/2" = 1'-0"



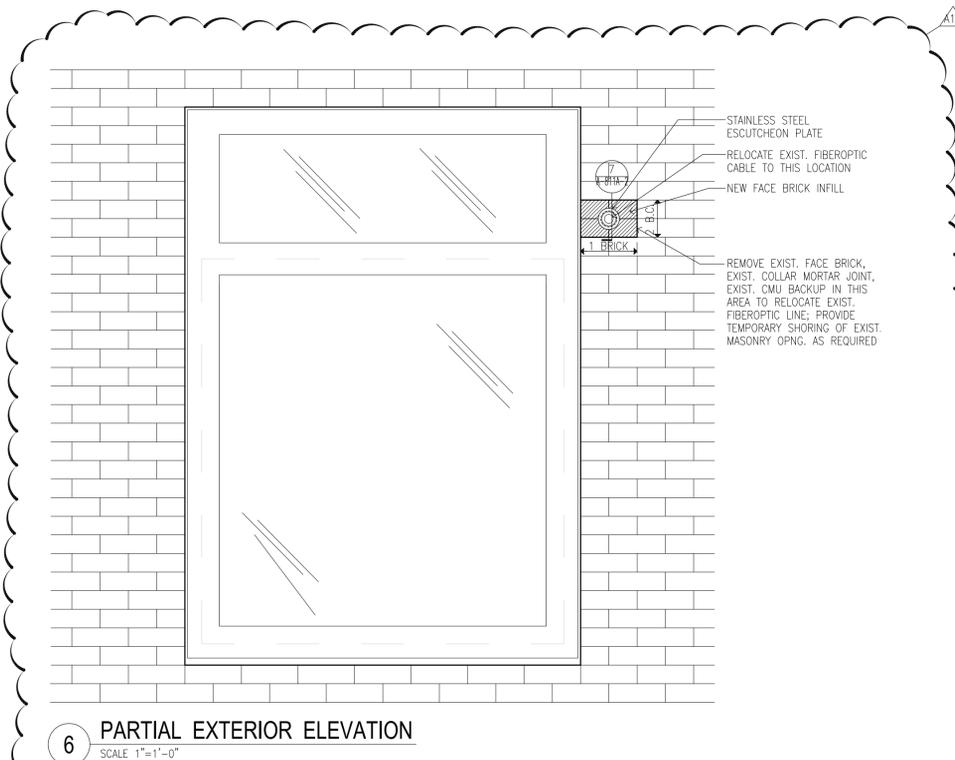
3 EXIST. DOOR DETAIL LEADING TO STAIRCASE VESTIBULE 2-15TH FLOORS
SCALE 1 1/2" = 1'-0"



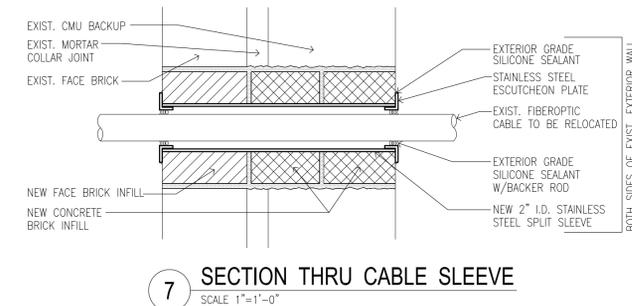
2 SECTION THRU SUB-BASEMENT 2 HR CURB
SCALE 1 1/2" = 1'-0"



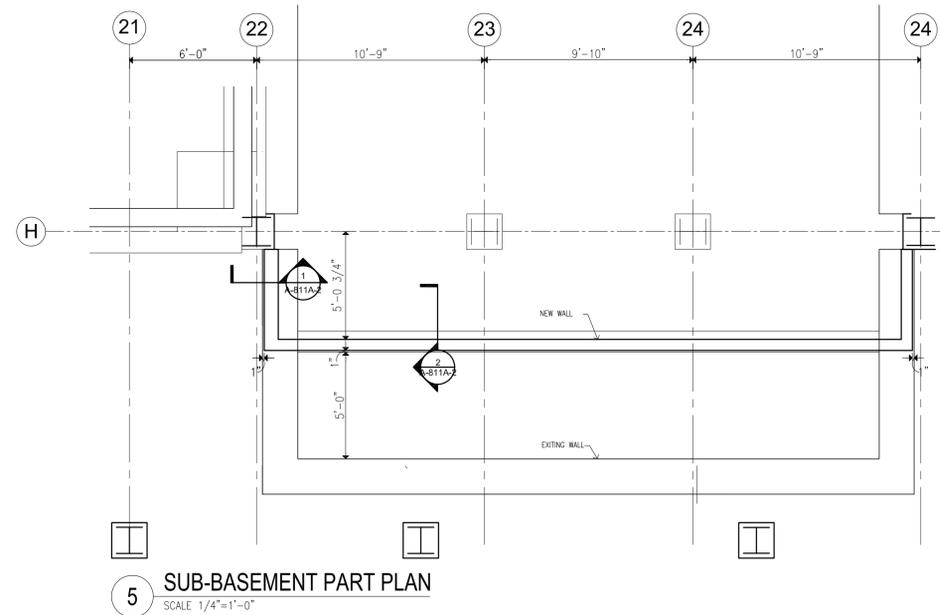
1 SECTION THRU SUB-BASEMENT 2 HR WALL
SCALE 1 1/2" = 1'-0"



6 PARTIAL EXTERIOR ELEVATION
SCALE 1" = 1'-0"



7 SECTION THRU CABLE SLEEVE
SCALE 1" = 1'-0"



5 SUB-BASEMENT PART PLAN
SCALE 1/4" = 1'-0"

NOTES:
TAMPER RESISTANT FASTENERS:
TAMPER RESISTANT FASTENERS ARE TO BE USED FOR ALL FASTENERS EXPOSED TO VIEW ON EVERY PRODUCT AND ASSEMBLY EXPOSED TO VIEW OR ACCESSIBLE WITHIN THE INPATIENT ENVIRONMENT.

PERFORMANCE CRITERIA/TAMPER PROOF FASTENERS:
ALL FASTENERS EXPOSED TO VIEW SHALL BE TAMPER RESISTANT, OF THE HEXALOBULAR (6-LOBED), PIN REJECT, INTERNAL DRIVE SYSTEM, MEETING ISO STANDARD 10664. (TYPICAL ALL PATIENT AREAS)

REVISED DRAWING 11/04/2015

NEW YORK STATE OF OPPORTUNITY
Office of General Services
DESIGN & CONSTRUCTION

CONSULTANTS:
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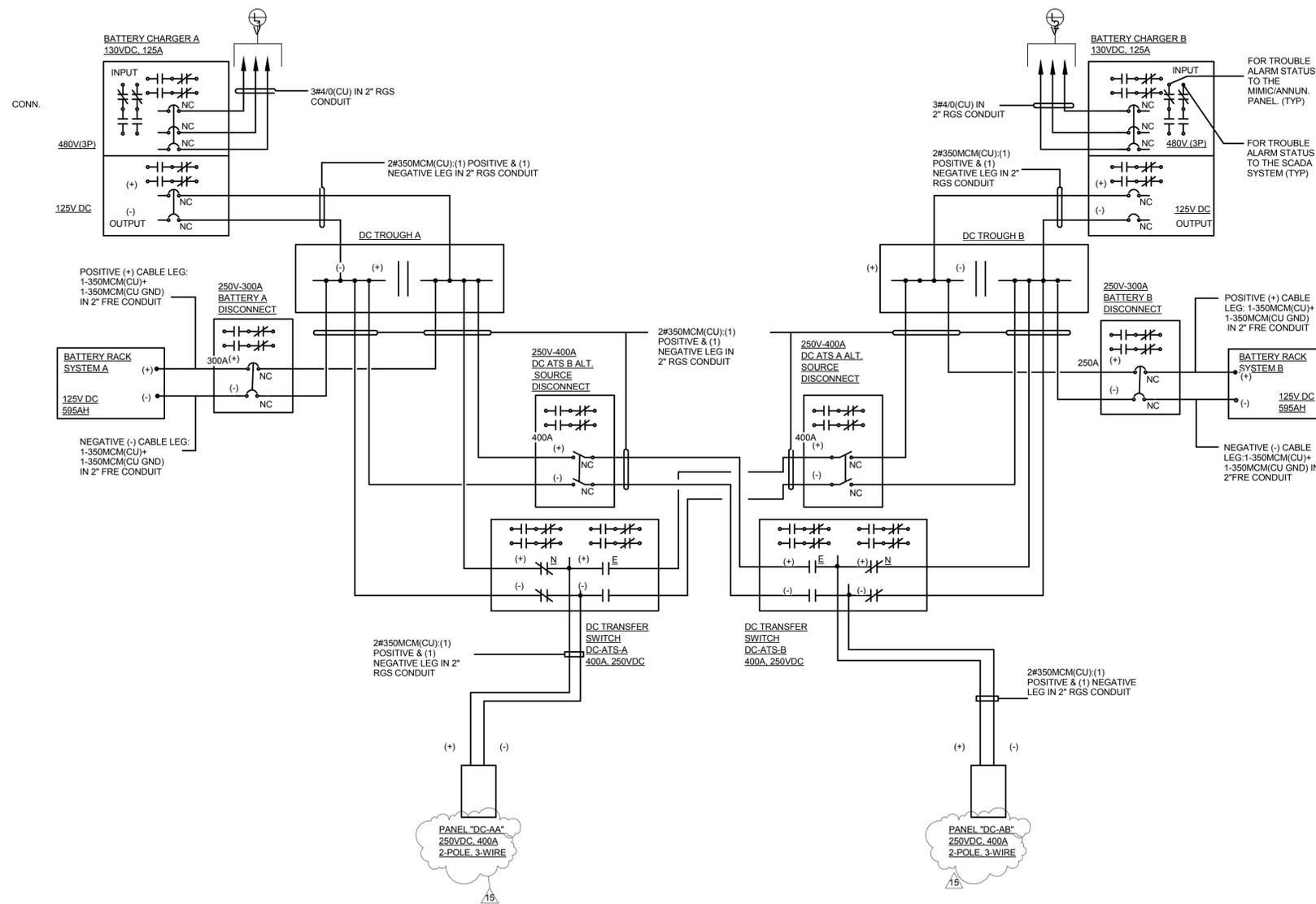
WARNING:
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CONTRACT: CONSTRUCTION
TITLE: MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION
LOCATION: MANHATTAN PSYCHIATRIC CENTER, BUILDING No. 102, 600 EAST 125TH STREET WARDS ISLAND, NY 10035
CLIENT: NYS OFFICE OF MENTAL HEALTH

PROGRESS PRINT		PROJECT NUMBER:	44578
DESIGNED BY:	MAK / WW	DRAWN BY:	JS/SV
MARK	DATE	FIELD CHECK:	N/A
		APPROVED:	WS / MAK / LF

SHEET TITLE: WALL DETAILS
BUILDING NUMBER: 102
DRAWING NUMBER: A-811A-2
SHEET



- NOTES:**
1. PROVIDE FORM C CONTACTS ON ALL AC ATS'S, BATTERY DISCONNECT SWITCHES, PANELBOARDS, BATTERY CHARGERS FOR STATUS INDICATION WITH THE SCADA SYSTEM AND MIMIC/ANNUNCIATOR PANELS.
 2. ALL DC DISCONNECTS SHALL BE IN A PAD LOCKABLE ENCLOSURE.
 3. ALL BATTERY RACKS AND BATTERY CHARGERS SHALL BE SIZED IDENTICALLY.
 4. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE IN RIGID GALVANIZED STEEL CONDUIT.

REVISED DRAWING 11/04/2015

11/9/2015 5:38:30 PM

NEW YORK STATE OF OPPORTUNITY.
Office of General Services
 DESIGN & CONSTRUCTION

CONSULTANTS:
RBSD | **STV** 100 Years
 ARCHITECTS P.C.
 A Joint Venture
 225 Park Avenue South
 New York, New York 10003

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CONTRACT:
 CONSTRUCTION

TITLE:
 MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION

LOCATION:
 MANHATTAN PSYCHIATRIC CENTER, BUILDING No. 102
 600 EAST 125TH STREET WARDS ISLAND, NY 10035

CLIENT:
 NYS OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION	APPROVED:
15	11/04/2015	ADDENDUM 15	
	6-15-2015	BID DOCUMENT	

PROJECT NUMBER: 44578
 DESIGNED BY: NP
 DRAWN BY: NP
 FIELD CHECK: NA
 APPROVED: FT

SHEET TITLE:
DC DISTRIBUTION SINGLE LINE DIAGRAM

BUILDING NUMBER: 102
 DRAWING NUMBER: E-406-2

SHEET

DRY TYPE TRANSFORMER SCHEDULE					
SIZE KVA	PRIMARY OVERCURRENT PROTECTION (480V)	SECONDARY OVERCURRENT PROTECTION (208V)	480V PRIMARY FEEDER	120/208V SECONDARY FEEDER	GROUNDING CONDUCTOR, SYSTEM BONDING JUMPER AND EQUIPMENT BONDING JUMPER
9	20A, 3P	30A, 3P	3#12 & 1#12G IN 3/4"C	4#10 & 1#8G IN 3/4"C	1#8 IN 3/4"C
15	30A, 3P	50A, 3P	3#10 & 1#10G IN 3/4"C	4#8 & 1#8G IN 1"C	1#8 IN 3/4"C
30	60A, 3P	100A, 3P	3#4 & 1#10G IN 1"C	4#1 & 1#6G IN 1 1/2"C	1#6 IN 3/4"C
45	80A, 3P	150A, 3P	3#3 & 1#8G IN 1 1/4"C	4#1/0 & 1#6G IN 2"C	1#6 IN 3/4"C
75	150A, 3P	250A, 3P	3#1/0 & 1#6 IN 1 1/2"C	4-250 KCMIL & 1#2G IN 3"C	1#2 IN 3/4"C
112.5	250A, 3P	400A, 3P	3-250 KCMIL & 1#4G IN 2 1/2"C	4-600 KCMIL & 1#1/0G IN 4"C	1#1/0 IN 3/4"C
150	300A, 3P	500A, 3P	3-350 KCMIL & 1#4G IN 3"C	2 SETS 4-250 KCMIL & 1#1/0G IN 3"C EA	1#1/0 IN 3/4"C
225	400A, 3P	800A, 3P	3-500 KCMIL & 1#3G IN 3 1/2"C	2 SETS 4-600 KCMIL & 1#3/0G IN 4"C EA	1#3/0 IN 3/4"C
300	600A, 3P	1000A, 3P	2 SETS 3-350 KCMIL & 1#1G IN 3"C EA	3 SETS 4-400 KCMIL & 1#3/0G IN 3"C EA	1#3/0 IN 3/4"C
500	1000A, 3P	1600A, 3P	3 SET 3-400 KCMIL & 1#2/0G IN 3"C EA	4 SETS 4-600 KCMIL & 1-300 KCMIL G IN 3"C EA	1-300 KCMIL IN 1"C

NOTES:

- PRIMARY CIRCUIT BREAKER SELECTION SHALL ENSURE COORDINATION WITH TRANSFORMER IN-RUSH CURRENT. IF THE COORDINATION STUDY IDENTIFIES MIS-COORDINATION THE MANUFACTURER/CONTRACTOR SHALL REPLACE THE DEVICE WITH A DEVICE THAT WILL PROPERLY COORDINATE, AT NO ADDITIONAL COST.
- SECONDARY OVERCURRENT PROTECTION SHALL BE A MAIN CIRCUIT BREAKER WITHIN A PANELBOARD OR INDIVIDUALLY MOUNTED CIRCUIT BREAKER. THE SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED SUCH THAT THE MAXIMUM LENGTH OF CONDUCTORS SHALL NOT EXCEED 10 FEET.

Automatic Transfer Switch Schedule							
Panel Name	Amperage	Voltage	Wires	Feeds	Bypass	Room Name	Level
ATS-EL5	600 A	277/480V	4	DP-SP	Yes	ELECTRICAL SUBSTATION	FIN. BASEMENT
ATS-SP4	400 A	277/480V	4	DP-SP	Yes	ELECTRICAL SUBSTATION	FIN. BASEMENT
ATS-LSA	600 A	277/480V	4	DP-SP	Yes	ELECTRICAL SUBSTATION	FIN. BASEMENT
ATS-CRA	800 A	277/480V	4	CR BUSWAY	Yes	ELECTRICAL SUBSTATION	FIN. BASEMENT

LOAD NAME	AMPS	WIRE SIZE ("H,N,G" OR "H,G")	# OF CONDUIT	CONDUIT	VOLTAGE DROP	VD%
EXISTING SWITCHGEAR 'C'						
EXISTING AUXILIARY POWER RISER	400 A	2 runs of 3-#3/0, 1-#3	2	2"	0 V	0.083677
DP-A-2	800 A	3 runs of 3-#300, 1-#300, 1-#1/0	3	2 1/2"	1 V	0.256385
SWITCHGEAR SS-A1						
ATS-CRA	800 A	3 runs of 3-#300, 1-#300, 1-#1/0	3	2 1/2"	0 V	0.047283
A-L1 BUS DUCT	1200 A	4 runs of 3-#350, 1-#350, 1-#3/0	4	3"	2 V	0.371616
DP-HVAC	400 A	2 runs of 3-#3/0, 1-#3/0, 1-#3	2	2"	9 V	0.038455
DP-A-1	800 A	3 runs of 3-#300, 1-#300, 1-#1/0	3	2 1/2"	1 V	0.203005
A-H1 BUS DUCT	1200 A	4 runs of 3-#350, 1-#350, 1-#3/0	4	3"	1 V	0.250862
ATS-SP4	600 A	2 runs of 3-#350, 1-#350, 1-#1	2	3"	0 V	0.007061
ATS-LSA	400 A	2 runs of 3-#3/0, 1-#3/0, 1-#3	2	2"	3 V	0.540866
PP-11	600 A	2 runs of 3-#350, 1-#1	2	3"	1 V	0.28577

GENERAL CONTRACTOR	
GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MECHANICAL, ELECTRICAL AND ELEVATOR WORK ASSOCIATED WITH THE FIRE ALARM SYSTEM LISTED IN SYSTEMS COORDINATION MATRIX BELOW. SIMPLEXGRINNELL WORK SHALL BE UNDER SEPARATE CONTRACT. FOR GENERAL CONTRACTOR'S FULL SCOPE OF WORK, REFER TO MECHANICAL, ELECTRICAL AND ELEVATOR PLANS.	

SYSTEMS COORDINATION					
ITEM	MECHANICAL CONTRACTOR	ELECTRICAL CONTRACTOR	SIMPLEXGRINNELL	ELEVATOR CONTRACTOR	NOTES
	FURNISH/INSTALL	FURNISH/INSTALL	FURNISH/INSTALL	FURNISH/INSTALL	
FIRE ALARM CONDUIT & BOXES		o	o	o	
FIRE ALARM CABLE		o	o	o	
FIRE ALARM CONTROL EQUIPMENT		o	o	o	
120 VAC POWER TO FA CONTROL EQUIPMENT		o	o	o	
120 VAC POWER CONNECTION TO FA CONTROL EQUIPMENT		o	o	o	
FIRE ALARM INITIATING DEVICES			o	o	NOTE 1
FIRE ALARM NOTIFICATION APPLIANCES			o	o	
DUCT SMOKE DETECTORS		o	o	o	
DUCT SMOKE DETECTOR WIRING			o	o	
SMOKE- AND FIRE-SMOKE DAMPERS	o	o			
SMOKE- AND FIRE-SMOKE DAMPER 120 VAC POWER		o	o		
SMOKE- AND FIRE-SMOKE DAMPER FA CONNECTION			o	o	
SMOKE- AND FIRE-SMOKE DAMPER END SWITCH MONITORING	o	o			
FA CONNECTION AT AHU FOR FAN SHUTDOWN			o	o	
ELEVATOR:					
RECALL & FF WARNING LIGHT CONTROL RELAYS			o	o	
RECALL & FF WARNING LIGHT CKTS TO ELEVATOR CONTROLLER			o	o	
RECALL & FF WARNING LIGHT CKT CONNECTIONS IN CONTROLLER				o	o
SHUNT TRIP CONTROL RELAYS			o	o	
SHUNT TRIP BREAKER		o	o		
SHUNT TRIP & SUPERVISORY CIRCUITS TO SHUNT TRIP BREAKER		o	o	o	
SHUNT TRIP & SUPV CKT CONNECTIONS IN SHUNT TRIP BREAKER		o	o	o	
FA SPEAKER & FF TELEPHONE CKTS TO CONTROLLER (OR J-BOX)			o	o	
FA SPEAKER & FF TELEPHONE CKT CONNECTIONS IN CONTROLLER (OR J-BOX)				o	o
FA SPEAKER & FF TELEPHONE CKTS IN TRAVELING CABLE				o	o
COORDINATION	o	o	o	o	

NOTES:

- EXCEPT FOR DUCT SMOKE DETECTORS
- REFER TO FIRE ALARM DRAWINGS FOR SCOPE OF WORK.

FEEDER SIZE AND VOLTAGE DROP SCHEDULE FOR PP PANELS						
LOAD NAME	AMPS	WIRE SIZE ("H,N,G" OR "H,G")	# OF CONDUIT	CONDUIT	VOLTAGE DROP	VD%
PP-6						
AHU-102-4 FAN	100 A	3-#3, 1-#8	1	1 1/4"	2 V	0.394882
RF-102-4 FAN	30 A	3-#10, 1-#10	1	1"	2 V	0.502165
P-102-4 PUMP	3 A	3-#14, 1-#14	1	3/4"	1 V	0.181279
AHU-102-5 FAN	100 A	3-#3, 1-#8	1	1 1/4"	1 V	0.247911
RF-102-5 FAN	30 A	3-#10, 1-#10	1	1"	2 V	0.436752
P-102-5 PUMP	3 A	3-#14, 1-#14	1	3/4"	1 V	0.152479
AHU-102-6 FAN	100 A	3-#3, 1-#8	1	1 1/4"	1 V	0.186414
RF-102-6 FAN	30 A	3-#10, 1-#10	1	1"	2 V	0.367489
P-102-6 PUMP	3 A	3-#14, 1-#14	1	3/4"	1 V	0.128046
AHU-102-7 FAN	100 A	3-#3, 1-#8	1	1 1/4"	1 V	0.212987
RF-102-7 FAN	30 A	3-#10, 1-#10	1	1"	2 V	0.394176
P-102-7 PUMP	3 A	3-#14, 1-#14	1	3/4"	1 V	0.13632
AHU-102-8 FAN	100 A	3-#3, 1-#8	1	1 1/4"	1 V	0.272758
RF-102-8 FAN	30 A	3-#10, 1-#10	1	1"	2 V	0.467268
P-102-8 PUMP	3 A	3-#14, 1-#14	1	3/4"	1 V	0.164812

PP-11						
AHU-102-9 FAN	100 A	3-#3, 1-#8	1	1 1/4"	1 V	0.308489
RF-102-9 FAN	30 A	3-#10, 1-#10	1	1"	2 V	0.507014
P-102-9 PUMP	3 A	3-#14, 1-#14	1	1/4"	1 V	0.181901
AHU-102-10 FAN	100 A	3-#3, 1-#8	1	1 1/4"	1 V	0.248132
RF-102-10 FAN	30 A	3-#10, 1-#10	1	1"	2 V	0.439329
P-102-10 PUMP	3 A	3-#14, 1-#14	1	3/4"	1 V	0.1528
AHU-102-11 FAN	100 A	3-#3, 1-#8	1	1 1/4"	1 V	0.189096
RF-102-11 FAN	30 A	3-#10, 1-#10	1	1"	2 V	0.357418
P-102-11 PUMP	3 A	3-#14, 1-#14	1	3/4"	1 V	0.12442

FEEDER SIZE AND VOLTAGE DROP SCHEDULE FOR DISTRIBUTION PANELS						
LOAD NAME	AMPS	WIRE SIZE ("H,N,G" OR "H,G")	# OF CONDUIT	CONDUIT	VOLTAGE DROP	VD%
DP-1						
LP-1A	225 A	3-#4/0, 1-#4/0, 1-#4	1	2 1/2"	0 V	0.082417
AHU-102-1-2 ENTRY SALLYPORT 106B-2	20 A	3-#12, 1-#12	1		3 V	0.669327
RF-102-1-2 DUTY STATION 107B	20 A	3-#12, 1-#12	1	3/4"	1 V	0.209492
AHU-102-1-1 MECHANICAL ROOM 153B	80 A	3-#4, 1-#8	1	3/4"	6 V	1.319389
RF-102-1-1 MECHANICAL ROOM 153B	30 A	3-#8, 1-#8	1	3/4"	7 V	1.518384
RF-102-1-3 LOBBY 101B	20 A	3-#12, 1-#12, 1-#12	1		1 V	0.143622
AHU-102-1-3 SCREENING ROOM 100B-1	20 A	3-#12, 1-#12	1		4 V	0.754078

DP-2						
LP-2A	200 A	3-#3/0, 1-#3/0, 1-#6	1	2 1/2"	0 V	0.101582
AHU-102-2-1 ROOF	125 A	3-#1, 1-#6	1	1 1/2"	4 V	0.7413
MOTORS GEF-102-2-1	20 A	3-#12, 1-#12	1		1 V	0.289789

DP-3						
LP-3A	200 A	3-#3/0, 1-#3/0, 1-#6	1	2 1/2"	0 V	0.039396
AHU-102-3-1	125 A	3-#1, 1-#6	1	1 1/2"	2 V	0.316771
TEF-102-3-2	20 A	3-#12, 1-#12	1	3/4"	1 V	0.150429
AHU-102-3-2	125 A	3-#1, 1-#6	1	1 1/2"	3 V	0.672795
AHU-102-3-3	125 A	3-#1, 1-#6	1	1 1/2"	2 V	0.490881
TEF-102-3-1, GEF-102-3-1	20 A	3-#12, 1-#12	1	3/4"	1 V	0.262644
GEF-102-3-2, TEF-102-3-3	20 A	3-#12, 1-#12	1	3/4"	4 V	0.867117
TEF-102-3-3	20 A	3-#12, 1-#12	1	3/4"	1 V	0.226471

DP-A-1						
DP-A-G	125 A	3-#1, 1-#1, 1-#6	1	1 1/2"	8 V	1.699056
ATS-EL-5	600 A	2 runs of 3-#350, 1-#350, 1-#1	2	2"	2 V	0.365858

DP-A-2						
LP-BB	225 A	3-#4/0, 1-#4/0, 1-#4	1	2 1/2"	1 V	0.304031
LP-BA	225 A	3-#4/0, 1-#4/0, 1-#4	1	2 1/2"	0 V	0.049703
LP-1B	225 A	3-#4/0, 1-#4/0, 1-#4	1	2 1/2"	2 V	0.375011
DP-SB	200 A	3-#3/0, 1-#3/0, 1-#6	1		2 V	0.457482

DP-A-G						
DP-A-G2	200 A	3-#3/0, 1-#6	1		0 V	0.060746
AHU-102-13-1 MECHANICAL 1309A	50 A	3-#6, 1-#10	1	1"	1 V	0.165531
RF-102-13-1 MECHANICAL 1309A	20 A	3-#12, 1-#12	1	3/4"	1 V	0.247757
AHU-102-12-1 MECHANICAL 1209A	50 A	3-#6, 1-#10	1	1"	1 V	0.210165
RF-102-12-1 MECHANICAL 1209A	20 A	3-#12, 1-#12	1	3/4"	1 V	0.236626
MOTORS	20 A	3-#12, 1-#12, 1-#12	1		1 V	0.278112
MOTORS	20 A	3-#12, 1-#12, 1-#12	1		2 V	0.397995

DP-A-G2						
RF-102-15-1	20 A	3-#12, 1-#12	1		1 V	0.279514
RF-102-15-2	20 A	3-#12, 1-#12, 1-#12	1		4 V	0.759099
AHU-102-15-1 SPACE 140B-4	40 A	3-#8, 1-#10	1	1"	1 V	0.303129
RF-102-15-1 SPACE 140B-4	20 A	3-#12, 1-#12	1	3/4"	1 V	0.232092
AHU-102-15-2 SPACE 140B-4	40 A	3-#8, 1-#10	1	1"	2 V	0.512197
HV-102-15-1	20 A	3-#12, 1-#12	1		1 V	0.181655
TEF-102-18-1, M. ROOM 140B-6	20 A	3-#12, 1-#12	1		1 V	0.137324
DVF-102-18-1, M. ROOM 140B-6	20 A	3-#12, 1-#12	1	3/4"	1 V	0.22719
LEF-102-18-1	20 A	3-#12, 1-#12, 1-#12	1		1 V	0.120401

DP-CRA						
30KVA XFMR FOR LP-CRBA	60 A	3-#6, 1-#6, 1-#10	1		1 V	0.290138
LTG - YARD A/B FLOODLIGHTING	20 A	1-#12, 1-#12, 1-#12	1		0 V	0.044756
LTG - EXTERIOR SECURITY FENCE	20 A	3-#12, 1-#12, 1-#12	1		1 V	0.270508
MOTORS MIS 113A	20 A	3-#12, 1-#12, 1-#12	1		3 V	0.557584
GEF-102-B-1 ELECTR						

RELAY PANEL RP-BA				
RELAY SPACE NO.	RELAY POLES	BRANCH CIRCUIT NO.	LOAD & ROOM NO.	CONTROL TYPE
a	1	DP-CRA-2	YARD A/B FLOOD LIGHTING	D,T
b	1	LP-BA-2	YARD A - EXT POLE MOUNT SITE LIGHTING	D,T
c	1		SPARE	
d	1	LP-BA-4	YARD A - PAVILION LIGHTING	D,T
e	1		SPARE	
f	1	LP-BA-6	YARD A - FLOOD LIGHTING	D,T
g	1	LP-BA-7	SWING YARD - EXT POLE MOUNT LTG	D,T
h	1	LP-BA-8	EXTERIOR BUILDING MOUNTED LTG	D,T
i	1		SPARE	
j	1	LP-BA-10	EXTERIOR BUILDING MOUNTED LTG	D,T
k	1	LP-BA-20	CORRIDOR 005A, 005A-3	T,M
l	1	LP-BA-20	CORRIDOR 006A, RM 031A, 032A	T,M
m	1	LP-BA-21	CORRIDOR 002A, 003A, 012A	T,M
n	1	LP-BA-21	ELEVATOR LOBBY 004A	T,O
o	1	LP-BA-23	ELEVATOR LOBBY 000B	T,M
p	1	LP-BA-23	ELEVATOR LOBBY 000B	T,M
q	1	LP-BA-23	CORRIDOR 007B, 007B-1	T,M
r	1	LP-BA-24	CORRIDOR 005B	T,M
s	1	LP-LSBA-6	EXTERIOR N/E LTG	D,T
t	1	LP-LSBA-1	EXTERIOR N/E LTG	D,T
u	1	LP-LSBA-2	EXTERIOR N/E LTG	D,T
v	1	LP-LSBA-3	EXTERIOR N/E LTG	D,T
w	1	LP-LSBA-4	EXTERIOR N/E LTG	D,T
x	1	LP-LSBA-5	EXTERIOR N/E LTG	D,T
y	1	LP-BA-24	CORRIDOR 006B-1	T,M
z	1	LP-BA-24	CORRIDOR 030B	T,M
aa	1	LP-BA-21	CORRIDOR 001A	T,M
bb	1	LP-BA-25	CORRIDOR 006B-2	T,M
cc	1		SPARE	
dd	1		SPARE	
ee	1		SPARE	
ff	1		SPARE	
gg	1		SPARE	
hh	1		SPARE	
ii	1		SPARE	
jj	1		SPARE	
3P-30A CONTACTOR		DP-CRA-3	EXTERIOR SECURITY FENCE LIGHTING	D,T

PROVIDE RELAY PANEL RP-BA WITH (48) RELAYS IN LIEU OF (36) - IN ADDITION TO RELAY CIRCUITS INDICATED ON SCHEDULE, RELAY PANEL RP-BA SHALL CONTAIN (10) RELAY CIRCUITS FOR CONTROL OF SWITCHED RECEPTACLES

RELAY PANEL RP-BB				
RELAY SPACE NO.	RELAY POLES	BRANCH CIRCUIT NO.	LOAD & ROOM NO.	CONTROL TYPE
a	1		SPARE	
b	1	LP-BB-2	YARD B - EXT POLE MOUNT SITE LIGHTING	D,T
c	1		SPARE	
d	1	LP-BB-4	YARD B - PAVILION LIGHTING	D,T
e	1		SPARE	
f	1	LP-BB-6	YARD B - FLOOD LIGHTING	D,T
g	1	LP-BB-7	EXTERIOR BUILDING MOUNTED LTG	D,T
h	1	LP-BB-8	EXTERIOR BUILDING MOUNTED LTG	D,T
i	1	LP-BB-9	EXTERIOR BUILDING MOUNTED LTG	D,T
j	1	LP-BB-12	CORRIDOR 004B-2	T,M
k	1	LP-BB-10	CORRIDOR 002B	T,M
l	1	LP-BB-12	CORRIDOR 003B	T,M
m	1	LP-BB-16	CORRIDOR 004B, 004B-1	T,M
n	1	LP-BB-12	CORRIDOR 001B	T,M
o	1	LP-BB-12	CORRIDOR 004B-3	T,M
p	1		SPARE	
q	1		SPARE	
r	1		SPARE	

PROVIDE RELAY PANEL RP-BB WITH (24) RELAYS IN LIEU OF (18) - IN ADDITION TO RELAY CIRCUITS INDICATED ON SCHEDULE, RELAY PANEL RP-BB SHALL CONTAIN (6) RELAY CIRCUITS FOR CONTROL OF SWITCHED RECEPTACLES

RELAY PANEL RP-1A				
RELAY SPACE NO.	RELAY POLES	BRANCH CIRCUIT NO.	LOAD & ROOM NO.	CONTROL TYPE
a	1	LP-1A-4	CORRIDOR 105A, 104A-2	T,M
b	1	LP-1A-4	RECEPTION 156A-2, WAITING 156A	T,M
c	1	LP-1A-6	CORRIDOR - 104A, 104A-1	T,M
d	1	LP-1A-6	WAITING 143A, CORRIDOR144A	T,M
e	1	LP-1A-6	CORRIDOR - 104A	T,M
f	1	LP-1A-8	CORRIDOR 103A	T,M
g	1	LP-1A-8	ELEVATOR LOBBY 100A	T,O
h	1	LP-1A-9	CORRIDOR 108A	T,M
i	1	LP-1A-9	ENTRY SALLY PORT 106B-2	T,M
j	1	LP-1A-10	LOBBY 101B	T,M
k	1	LP-1A-10	LOBBY 101B	T,M
l	1	LP-1A-9	CORRIDOR 110B-1	T,M
m	1		SPARE	
n	1		SPARE	
o	1	LP-1A-10	VESTIBULE 100B	T,M
p	1		SPARE	
q	1	LP-1A-10	EXIT SALLY PORT 108B-1	T,M
r	1	LP-1A-9	CORRIDOR 111B-1	T,M
s	1	LP-1A-11	VESTIBULE 110B	T,O,M
t	1	LP-1A-11	VESTIBULE 110B	T,O,M
u	1	LP-1A-11	CORRIDOR 118B	T,O,M
v	1	LP-1A-12	CORRIDOR 119B-1, 188B	T,M
w	1	LP-1A-12	CORRIDOR 120B, 121B	T,M
x	1		SPARE	
y	1		SPARE	
z	1		SPARE	
aa	1		SPARE	
bb	1		SPARE	
cc	1		SPARE	
dd	1		SPARE	
ee	1		SPARE	
ff	1		SPARE	
gg	1		SPARE	
hh	1		SPARE	
ii	1		SPARE	
jj	1		SPARE	

IN ADDITION TO RELAY CIRCUITS INDICATED ON SCHEDULE, RELAY PANEL RP-1A SHALL CONTAIN (7) RELAY CIRCUITS FOR CONTROL OF SWITCHED RECEPTACLES

RELAY PANEL RP-2A				
RELAY SPACE NO.	RELAY POLES	BRANCH CIRCUIT NO.	LOAD & ROOM NO.	CONTROL TYPE
a	1	LP - 2A-2	CORRIDOR 205A	T,M
b	1	LP - 2A-4	CORRIDOR 204A	T,M
c	1	LP - 2A-6	CORRIDOR 201A, LOBBY 202A	T,M
d	1	LP - 2A-6	ELEVATOR LOBBY 200A	T,O
e	1	LP - 2A-6	CORRIDOR 201A-2	T,M
f	1	LP - 2A-8	CORRIDOR 203A	T,M
g	1	LP - 2A-8	LOBBY 251B, CORRIDOR 251B-1	T,O,M
h	1	LP - 2A-8	LOBBY 251B, CORRIDOR 251B-1	T,O,M
i	1	LP - 2A-10	CORRIDOR 293B	T,M
j	1	LP - 2A-12	CORRIDOR 279B, 279B-1	T,M
k	1	LP - 2A-10	CORRIDOR 288B, WAITING 289B	T,M
l	1		SPARE	
m	1		SPARE	
n	1		SPARE	
o	1		SPARE	
p	1		SPARE	
q	1		SPARE	
r	1		SPARE	

PROVIDE RELAY PANEL RP-2A WITH (48) RELAYS IN LIEU OF (18) - IN ADDITION TO RELAY CIRCUITS INDICATED ON SCHEDULE, RELAY PANEL RP-2A SHALL CONTAIN (29) RELAY CIRCUITS FOR CONTROL OF SWITCHED RECEPTACLES

RELAY PANEL RP-1B				
RELAY SPACE NO.	RELAY POLES	BRANCH CIRCUIT NO.	LOAD & ROOM NO.	CONTROL TYPE
a	1	LP-1B-2	CORRIDOR 112B	T,M
b	1	LP-1B-2	CORRIDOR 113B, 136B, WAITING 139B	T,M
c	1	LP-1B-2	RECEPTION 138B	T,M
d	1	LP-1B-6	CORRIDOR 114B, 115B, 116B	T,M
e	1	LP-1B-8	CORRIDOR 117B	T,M
f	1	LP-1B-2	CORRIDOR XXXX	T,M
g	1		SPARE	
h	1		SPARE	
i	1		SPARE	
j	1		SPARE	
k	1		SPARE	
l	1		SPARE	

PROVIDE RELAY PANEL RP-1B WITH (36) RELAYS IN LIEU OF (12) - IN ADDITION TO RELAY CIRCUITS INDICATED ON SCHEDULE, RELAY PANEL RP-1B SHALL CONTAIN (18) RELAY CIRCUITS FOR CONTROL OF SWITCHED RECEPTACLES

RELAY PANEL RP-3A				
RELAY SPACE NO.	RELAY POLES	BRANCH CIRCUIT NO.	LOAD & ROOM NO.	CONTROL TYPE
a	1	LP - 3A-2	CORRIDOR 324A - SWITCH LEG 1	T,O,M *
b	1	LP - 3A-2	CORRIDOR 324A - SWITCH LEG 2	T,O,M *
c	1	LP - 3A-2	CORRIDOR 344A - SWITCH LEG 1	T,O,M *
d	1	LP - 3A-2	CORRIDOR 344A - SWITCH LEG 2	T,O,M *
e	1	LP - 3A-2	CORRIDOR 302A - DOWNLIGHTS	T,M *
f	1	LP - 3A-2	CORRIDOR 302A - STRIP LIGHTS	T,M *
g	1	LP - CR3A-7	OBSERVATION DESK 323A	T,M *
h	1	LP - 3A-4	ELEVATOR LOBBY 300A	T,O
i	1	LP - CR3A-8	BEDROOM NIGHT LIGHTS	T,M *
j	1	LP - 3A-2	CORRIDOR 303A - SWITCH LEG 1	T,O,M *
k	1	LP - 3A-2	CORRIDOR 303A - SWITCH LEG 2	T,O,M *
l	1	LP - 3A-7	ELEVATOR LOBBY 364B	T,O
m	1	LP - 3A-4	NOISY ACTIVITY ROOM 325A	T,M *
n	1	LP - 3A-7	CORRIDOR 357B	T,M
o	1	LP - 3A-4	DINING ROOM 319A	T,M *
p	1	LP - 3A-7	SERVICE ELEVATOR CORRIDOR 359B	O,M
q	1	LP - 3A-6	BEDROOM 327A OVERHEAD LIGHT	T,M *
r	1	LP - 3A-6	BEDROOM 328A OVERHEAD LIGHT	T,M *
s	1	LP - 3A-6	BEDROOM 329A OVERHEAD LIGHT	T,M *
t	1	LP - 3A-6	BEDROOM 330A OVERHEAD LIGHT	T,M *
u	1	LP - 3A-6	BEDROOM 331A OVERHEAD LIGHT	T,M *
v	1	LP - 3A-6	BEDROOM 332A OVERHEAD LIGHT	T,M *
w	1	LP - 3A-6	BEDROOM 333A OVERHEAD LIGHT	T,M *
x	1	LP - 3A-6	BEDROOM 336A OVERHEAD LIGHT	T,M *
y	1	LP - 3A-6	BEDROOM 337A OVERHEAD LIGHT	T,M *
z	1	LP - 3A-8	BEDROOM 345A OVERHEAD LIGHT	T,M *
aa	1	LP - 3A-8	BEDROOM 346A OVERHEAD LIGHT	T,M *
bb	1	LP - 3A-8	BEDROOM 348A OVERHEAD LIGHT	T,M *
cc	1	LP - 3A-8	BEDROOM 349A OVERHEAD LIGHT	T,M *
dd	1	LP - 3A-8	BEDROOM 350A OVERHEAD LIGHT	T,M *
ee	1	LP - 3A-8	BEDROOM 351A OVERHEAD LIGHT	T,M *
ff	1	LP - 3A-8	BEDROOM 352A OVERHEAD LIGHT	T,M *
gg	1	LP - 3A-4	GROUP THERAPY 342A	T,M *
hh	1	LP - 3A-4	QUIET ACTIVITY ROOM 343A	T,M *
ii	1	LP - 3A-4	SECLUSION 305A	T,M *
jj	1	LP - 3A-4	SECLUSION 356A	T,M *
kk	1	LP - 3A-9	PATIENT LAUNDRY 317A	T,M *
ll	1	LP - 3A-4	QUIET ROOM 318A	T,M *
mm	1		SPARE	
nn	1		SPARE	
oo	1		SPARE	
pp	1		SPARE	
qq	1		SPARE	
rr	1		SPARE	
ss	1		SPARE	
tt	1		SPARE	
uu	1		SPARE	
vv	1		SPARE	

NOTES
* MANUAL SWITCH LOCATED AT OBSERVATION DESK.

NOTES:
1. CONTROL TYPES:
T - TIMECLOCK CONTROL
O - OCCUPANCY/VACANCY SENSOR CONTROL
D - DAYLIGHT PHOTOSENSING CONTROL
M - MANUAL LOW-VOLTAGE RELAY SWITCH CONTROL
2. 50% OF 125-VOLT, 20-AMP RECEPTACLES (INCLUDING THOSE IN MODULAR PARTITIONS) IN OFFICES, OPEN OFFICES, AND COMPUTER CLASSROOMS ON THE BASEMENT, 1ST FLOOR, AND 2ND FLOOR LEVELS SHALL BE AUTOMATICALLY SWITCHED BY TIMECLOCK CONTROL VIA LIGHTING CONTROL RELAY PANELS. BRANCH CIRCUITS SERVING SWITCHED RECEPTACLES SHALL BE CONTROLLED VIA LIGHTING CONTROL PANEL RELAYS FOR AUTOMATIC SHUTOFF DURING BUILDING "UNOCCUPIED" HOURS. ONE (1) LOW-VOLTAGE OVERRIDE SWITCH SHALL BE PROVIDED PER LIGHTING CONTROL PANEL FOR MANUAL OVERRIDE "ON" OF SWITCHED RECEPTACLE RELAYS DURING "UNOCCUPIED" HOURS.
THE FOLLOWING SPACES SHALL BE PROVIDED WITH SWITCHED RECEPTACLES:
BASEMENT:
009A, 009B-2, 009B-3, 013A, 014B-2, 014B-3, 014B-4, 021B, 023B, 023B-1, 027A,
FIRST FLOOR:
125B, 126B, 127B, 128B, 129B, 130B, 131B, 132B, 137B, 138B-1, 141B, 142B, 150B, 151B, 152B, 155B, 156B, 157B, 158B, 163B, 164B, 168B, 171B, 172B, 173B, 174B, 175B, 176B, 177B, 179B, 180B, 181B, 182B
SECOND FLOOR:
208A, 210A, 211A, 212A, 213A, 225A, 226A, 227A, 228A, 229A, 230A, 232A, 233A, 234A, 235A, 236A, 238A, 239A, 240A, 241A, 242A, 243A, 244A, 246A, 247A, 248A, 249A, 250A, 271B, 286B, 292B-2, 292B-3, 292B-4
PROVIDE A PRINTED SELF-ADHESIVE LABEL, OR ENGRAVED RECEPTACLE FACEPLATE, IDENTIFYING EACH SWITCHED RECEPTACLE.
KEYNOTES:
1) PROVIDE BARRIER SEPARATING EMERGENCY LIFE SAFETY RELAYS AND WIRING FROM NORMAL POWER RELAYS AND WIRING.

RELAY PANEL RP-4A				
RELAY SPACE NO.	RELAY POLES	BRANCH CIRCUIT NO.	LOAD & ROOM NO.	CONTROL TYPE
a	1	LP - 4A-2	CORRIDOR 424A - SWITCH LEG 1	T,O,M *
b	1	LP - 4A-2	CORRIDOR 424A - SWITCH LEG 2	T,O,M *
c	1	LP - 4A-2	CORRIDOR 444A - SWITCH LEG 1	T,O,M *
d	1	LP - 4A-2	CORRIDOR 444A - SWITCH LEG 2	T,O,M *
e	1	LP - 4A-2	CORRIDOR 402A - DOWNLIGHTS	T,M *
f	1	LP - 4A-2	CORRIDOR 402A - STRIP LIGHTS	T,M *
g	1	LP - CR3A-9	OBSERVATION DESK 423A-2	T,M *
h	1	LP - 4A-4	ELEVATOR LOBBY 400A	T,O
i	1	LP - CR3A-10	BEDROOM NIGHT LIGHTS	T,M *
j	1	LP - 4A-2	CORRIDOR 403A - SWITCH LEG 1	T,O,M *
k	1	LP - 4A-2	CORRIDOR 403A - SWITCH LEG 2	T,O,M *
l	1	LP - 4A-7	ELEVATOR LOBBY 464B	T,O
m	1	LP - 4A-4	NOISY ACTIVITY ROOM 425A	T,M *
n	1	LP - 4A-7	CORRIDOR 457B	T,M
o	1	LP - 4A-4	DINING ROOM 419A	T,M *
p	1	LP - 4A-7	SERVICE ELEVATOR CORRIDOR 459B	O,M
q	1	LP - 4A-6	BEDROOM 427A OVERHEAD LIGHT	T,M *
r	1	LP - 4A-6	BEDROOM 428A OVERHEAD LIGHT	T,M *
s	1	LP - 4A-6	BEDROOM 429A OVERHEAD LIGHT	T,M *
t	1	LP - 4A-6	BEDROOM 430A OVERHEAD LIGHT	T,M *
u	1	LP - 4A-6	BEDROOM 431A OVERHEAD LIGHT	T,M *
v	1	LP - 4A-6	BEDROOM 432A OVERHEAD LIGHT	T,M *
w	1	LP - 4A-6	BEDROOM 433A OVERHEAD LIGHT	T,M *
x	1	LP - 4A-6	BEDROOM 436A OVERHEAD LIGHT	T,M *
y	1	LP - 4A-6	BEDROOM 437A OVERHEAD LIGHT	T,M *
z	1	LP - 4A-8	BEDROOM 445A OVERHEAD LIGHT	T,M *
aa	1	LP - 4A-8	BEDROOM 446A OVERHEAD LIGHT	T,M *
bb	1	LP - 4A-8	BEDROOM 448A OVERHEAD LIGHT	T,M *
cc	1	LP - 4A-8	BEDROOM 449A OVERHEAD LIGHT	T,M *
dd	1	LP - 4A-8	BEDROOM 450A OVERHEAD LIGHT	T,M *
ee	1	LP - 4A-8	BEDROOM 451A OVERHEAD LIGHT	T,M *
ff	1	LP - 4A-8	BEDROOM 452A OVERHEAD LIGHT	T,M *
gg	1	LP - 4A-4	GROUP THERAPY 442A	T,M *
hh	1	LP - 4A-4	QUIET ACTIVITY ROOM 443A	T,M *
ii	1	LP - 4A-4	SECLUSION 405A	T,M *
jj	1	LP - 4A-4	SECLUSION 456A	T,M *
kk	1	LP - 4A-9	PATIENT LAUNDRY 417A	T,M *
ll	1	LP - 4A-4	QUIET ROOM 418A	T,M *
mm	1		SPARE	
nn	1		SPARE	
oo	1		SPARE	
pp	1		SPARE	
qq	1		SPARE	
rr	1		SPARE	
ss	1		SPARE	
tt	1		SPARE	
uu	1		SPARE	
vv	1		SPARE	

NOTES
* MANUAL SWITCH LOCATED AT OBSERVATION DESK.
REVISED DRAWING 09/04/2015

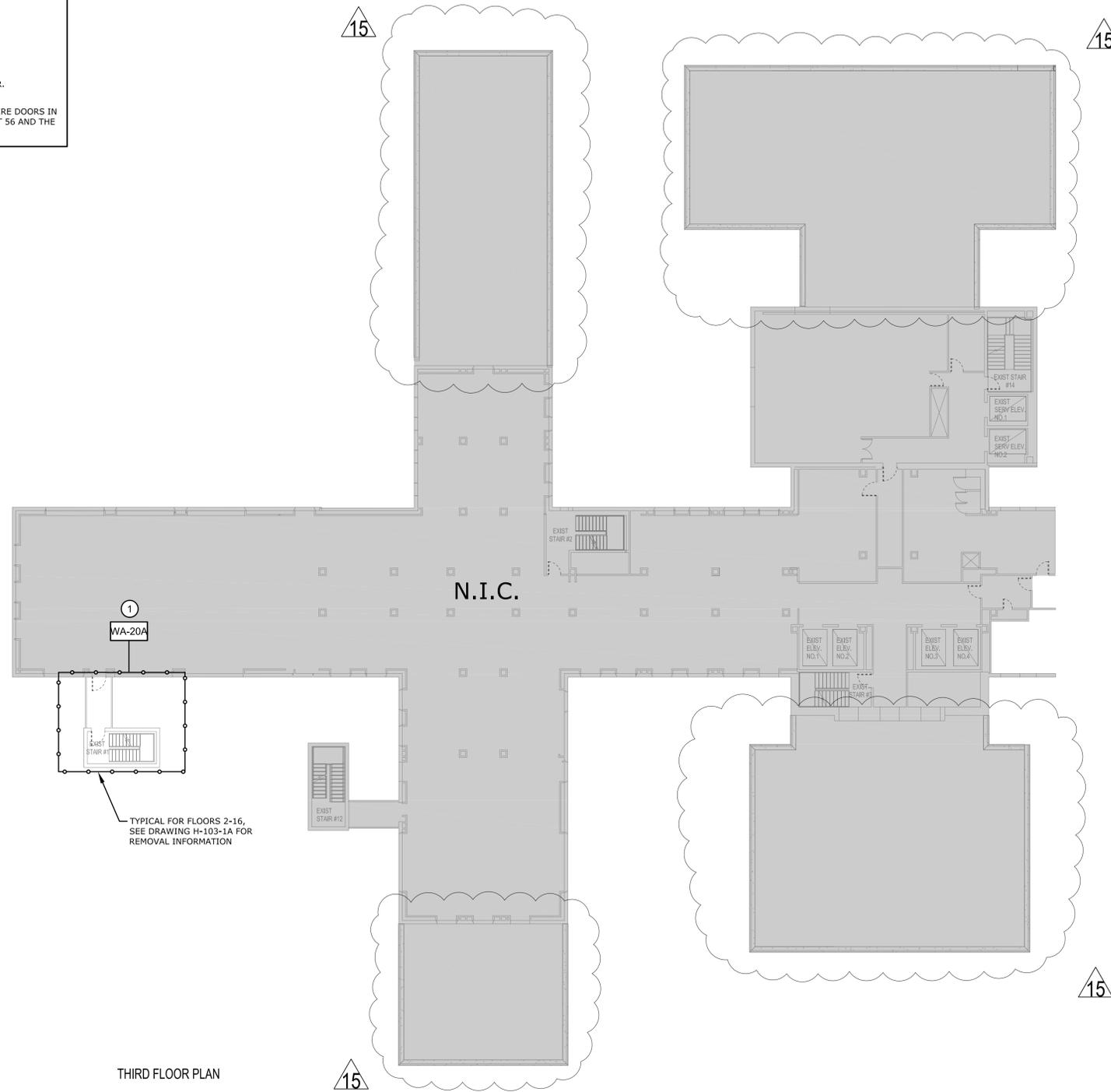
REVISED DRAWING 11/04/2015

NEW YORK STATE OF OPPORTUNITY. **Office of General Services**
DESIGN & CONSTRUCTION

CONSULTANTS:
RBSD | **STV** 100 Years
A Joint Venture
225 Park Avenue South
New York, New York 10003

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

LEGEND	
	SCOPE OF WORK BOUNDARY.
	WORK AREA IDENTIFICATION.
	ASBESTOS-CONTAINING FIRE DOOR.
	REMOVE ASBESTOS-CONTAINING FIRE DOORS IN ACCORDANCE WITH 12 NYCRR PART 56 AND THE PROJECT SPECIFICATIONS.



THIRD FLOOR PLAN

GENERAL NOTES:

1. THE CONTRACT DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED FOR THE PURPOSE OF REPRESENTING THE SCOPE OF WORK AND ARE MEANT AS A GUIDE ONLY AND DO NOT LIMIT THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL HAZARDOUS MATERIALS AS SPECIFIED. IF SUSPECTED HAZARDOUS MATERIALS ARE IDENTIFIED BY THE CONTRACTOR THAT ARE NOT SHOWN IN THE DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE FOR CLARIFICATION.
2. DRAWINGS ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL VERIFY ALL JOB SITE CONDITIONS, DIMENSIONS AND QUANTITIES.
3. THE ABATEMENT CONTRACTOR IS REQUIRED TO PROVIDE A DETAILED ASBESTOS ABATEMENT WORK PLAN IN ACCORDANCE WITH SECTION 028213-1.08 (C) PRIOR TO MOBILIZATION.
4. THE CONTRACTOR HAS THE OPTION TO APPLY FOR AND UTILIZE ALTERNATIVE ABATEMENT METHODS THAT MAY REQUIRE A SITE SPECIFIC VARIANCE APPLICATION AND APPROVAL FROM THE NEW YORK STATE DEPARTMENT OF LABOR (NYS/DOL). IF A SITE SPECIFIC VARIANCE IS SOUGHT, THE APPLICATION SHALL BE REVIEWED AND ACCEPTED BY THE OWNERS ENVIRONMENTAL CONSULTANT AND THEN MUST BE SUBMITTED BY THE CONTRACTOR'S NYS/DOL CERTIFIED ASBESTOS PROJECT DESIGNER IN ACCORDANCE WITH SECTION 028213-1.06.
5. PRIOR TO REGULATED ABATEMENT WORK AREA PREPARATION, THE ASBESTOS CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, BUILDING OWNER AND FACILITY PERSONNEL REGARDING ANY AND ALL SECURITY AND EGRESS ISSUES THAT MAY APPLY TO THE OVERALL PROTECTION AND SAFETY OF THE BUILDING AND OCCUPANTS.
6. THIS PROJECT WILL BE SUBJECT TO THE OPERATING HOURS OF THE FACILITY OR OTHER OPERATING HOURS AS OTHERWISE APPROVED BY THE OWNER.
7. THE OWNER AND OWNER'S REPRESENTATIVES HAVE THE AUTHORITY TO STOP THE WORK AT ANY TIME IF WORK IS NOT CONDUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND APPLICABLE REGULATIONS. THE STOPPAGE OF WORK SHALL CONTINUE UNTIL CONDITIONS HAVE BEEN CORRECTED TO THE SATISFACTION OF THE OWNER AND OWNERS REPRESENTATIVES. STANDBY TIME TO RESOLVE PROBLEMS SHALL BE AT THE CONTRACTOR'S EXPENSE.

HAZARDOUS MATERIALS NOTES

1. LEAD-BASED PAINT (LBP) AND OTHER POTENTIALLY HAZARDOUS MATERIALS WERE IDENTIFIED DURING THE SURVEY CONDUCTED BY MATRIX NEW WORLD ENGINEERING, INC. (MATRIX). THE CONTRACTOR SHALL REFER TO THE, "HAZARDOUS MATERIAL BUILDING SURVEY REPORT," ISSUED APRIL 2014 AND PREPARED BY MATRIX (MATRIX REPORT) FOR SPECIFIC LOCATIONS AND COMPONENTS IMPACTED BY THE PROPOSED SCOPE OF WORK.

ADDENDUM DRAWING 11/04/2015



CONSULTANTS:
RBSD ARCHITECTS P.C.
STV 100 Years
MATRIX NEW WORLD Engineering Progress
 Matrix New World Engineering, Inc.
 26 Columbia Turnpike
 Fairham Park, New Jersey 07932
 WBE / DBE / SBE
 Tel: 973-240-1800
 Fax: 973-240-1818
 www.matrixnewworld.com
 A Joint Venture
 225 Park Avenue South
 New York, New York 10003

WARNING:
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CONTRACT: CONSTRUCTION
 TITLE: MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION
 LOCATION: MANHATTAN PSYCHIATRIC CENTER, BUILDING No. 102, 600 EAST 125TH STREET WARDS ISLAND, NY 10035
 CLIENT: NYS OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION	APPROVED:
	11/04/2015	ADDENDUM #15	DW
	6-15-2015	BID DOCUMENT	MS
		FIELD CHECK:	DW / EG
			EG

PROJECT NUMBER: 44578
 DESIGNED BY: DW
 DRAWN BY: MS
 FIELD CHECK: DW / EG
 APPROVED: EG

SHEET TITLE:	
HAZARDOUS MATERIALS THIRD FLOOR PLAN	
BUILDING NUMBER: 102	DRAWING NUMBER: H-103
SHEET	

WORK AREA	LOCATION	HOMOGENOUS AREA #	MATERIAL	ESTIMATED QUANTITY	REMOVAL METHOD	CONTAINMENT TYPE	APPLICABLE REGULATIONS	REMARKS
WA-21A	THIRD FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21B	FOURTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21C	FIFTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21D	SIXTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21E	SEVENTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21F	EIGHTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21G	NINTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21H	TENTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21I	ELEVENTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21J	TWELVETH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21K	THIRTEENTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21L	FOURTEENTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	2 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
WA-21M	FIFTEENTH FLOOR STAIRWELL # 1	HA-20, 101 & 119	FIRE DOOR INSULATION	1 UNIT	INTERIOR NON-FRIABLE	NEGATIVE PRESSURE TENT ENCLOSURE OR INTACT REMOVAL WITH VARIANCE	12 NYCRR PART 56-7-11 (c) OR 7.11(f)	CONTRACTOR HAS THE OPTION TO APPLY FOR A NYSDOL SITE SPECIFIC VARIANCE TO ALLOW FOR "INTACT" COMPONENT REMOVAL FOR INTERIOR NON-FRIABLE MATERIAL REMOVALS IN ACCORDANCE WITH SECTION 028213-1.06.
SUB-TOTAL				14 UNITS				

GENERAL NOTES:

1. THE CONTRACT DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED FOR THE PURPOSE OF REPRESENTING THE SCOPE OF WORK AND ARE MEANT AS A GUIDE ONLY AND DO NOT LIMIT THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL HAZARDOUS MATERIALS AS SPECIFIED. IF SUSPECTED HAZARDOUS MATERIALS ARE IDENTIFIED BY THE CONTRACTOR THAT ARE NOT SHOWN IN THE DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE FOR CLARIFICATION.
2. DRAWINGS ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL VERIFY ALL JOB SITE CONDITIONS, DIMENSIONS AND QUANTITIES.
3. THE ABATEMENT CONTRACTOR IS REQUIRED TO PROVIDE A DETAILED ASBESTOS ABATEMENT WORK PLAN IN ACCORDANCE WITH SECTION 028213-1.08 (C) PRIOR TO MOBILIZATION.
4. THE CONTRACTOR HAS THE OPTION TO APPLY FOR AND UTILIZE ALTERNATIVE ABATEMENT METHODS THAT MAY REQUIRE A SITE SPECIFIC VARIANCE APPLICATION AND APPROVAL FROM THE NEW YORK STATE DEPARTMENT OF LABOR (NYSDOL). IF A SITE SPECIFIC VARIANCE IS SOUGHT, THE APPLICATION SHALL BE REVIEWED AND ACCEPTED BY THE OWNERS ENVIRONMENTAL CONSULTANT AND THEN MUST BE SUBMITTED BY THE CONTRACTOR'S NYSDOL CERTIFIED ASBESTOS PROJECT DESIGNER IN ACCORDANCE WITH SECTION 028213-1.06.
5. PRIOR TO REGULATED ABATEMENT WORK AREA PREPARATION, THE ASBESTOS CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, BUILDING OWNER AND FACILITY PERSONNEL REGARDING ANY AND ALL SECURITY AND EGRESS ISSUES THAT MAY APPLY TO THE OVERALL PROTECTION AND SAFETY OF THE BUILDING AND OCCUPANTS.
6. THIS PROJECT WILL BE SUBJECT TO THE OPERATING HOURS OF THE FACILITY OR OTHER OPERATING HOURS AS OTHERWISE APPROVED BY THE OWNER.
7. THE OWNER AND OWNER'S REPRESENTATIVES HAVE THE AUTHORITY TO STOP THE WORK AT ANY TIME IF WORK IS NOT CONDUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND APPLICABLE REGULATIONS. THE STOPPAGE OF WORK SHALL CONTINUE UNTIL CONDITIONS HAVE BEEN CORRECTED TO THE SATISFACTION OF THE OWNER AND OWNER'S REPRESENTATIVES. STANDBY TIME TO RESOLVE PROBLEMS SHALL BE AT THE CONTRACTOR'S EXPENSE.

HAZARDOUS MATERIALS NOTES

1. LEAD-BASED PAINT (LBP) AND OTHER POTENTIALLY HAZARDOUS MATERIALS WERE IDENTIFIED DURING THE SURVEY CONDUCTED BY MATRIX NEW WORLD ENGINEERING, INC. (MATRIX). THE CONTRACTOR SHALL REFER TO THE, "HAZARDOUS MATERIAL BUILDING SURVEY REPORT," ISSUED APRIL 2014 AND PREPARED BY MATRIX (MATRIX REPORT) FOR SPECIFIC LOCATIONS AND COMPONENTS IMPACTED BY THE PROPOSED SCOPE OF WORK.

ADDENDUM DRAWING 11/04/2015

NEW YORK STATE OF OPPORTUNITY
Office of General Services
 DESIGN & CONSTRUCTION

CONSULTANTS:
RBSD ARCHITECTS P.C.
STV 7100
MATRIXNEWORLD Engineering Progress
 A Joint Venture
 225 Park Avenue South
 New York, New York 10003

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

CONTRACT: CONSTRUCTION
 TITLE: PHASE 1 WORK: DEMOLITION, ASBESTOS REMOVAL STRENGTHEN FLOOR SLABS & REPLACE WINDOWS
 LOCATION: BUILDING No. 102 MANHATTAN FORENSIC RELOCATION 600 EAST 125TH STREET WARDS ISLAND, NY10035
 CLIENT: NYS OFFICE OF MENTAL HEALTH

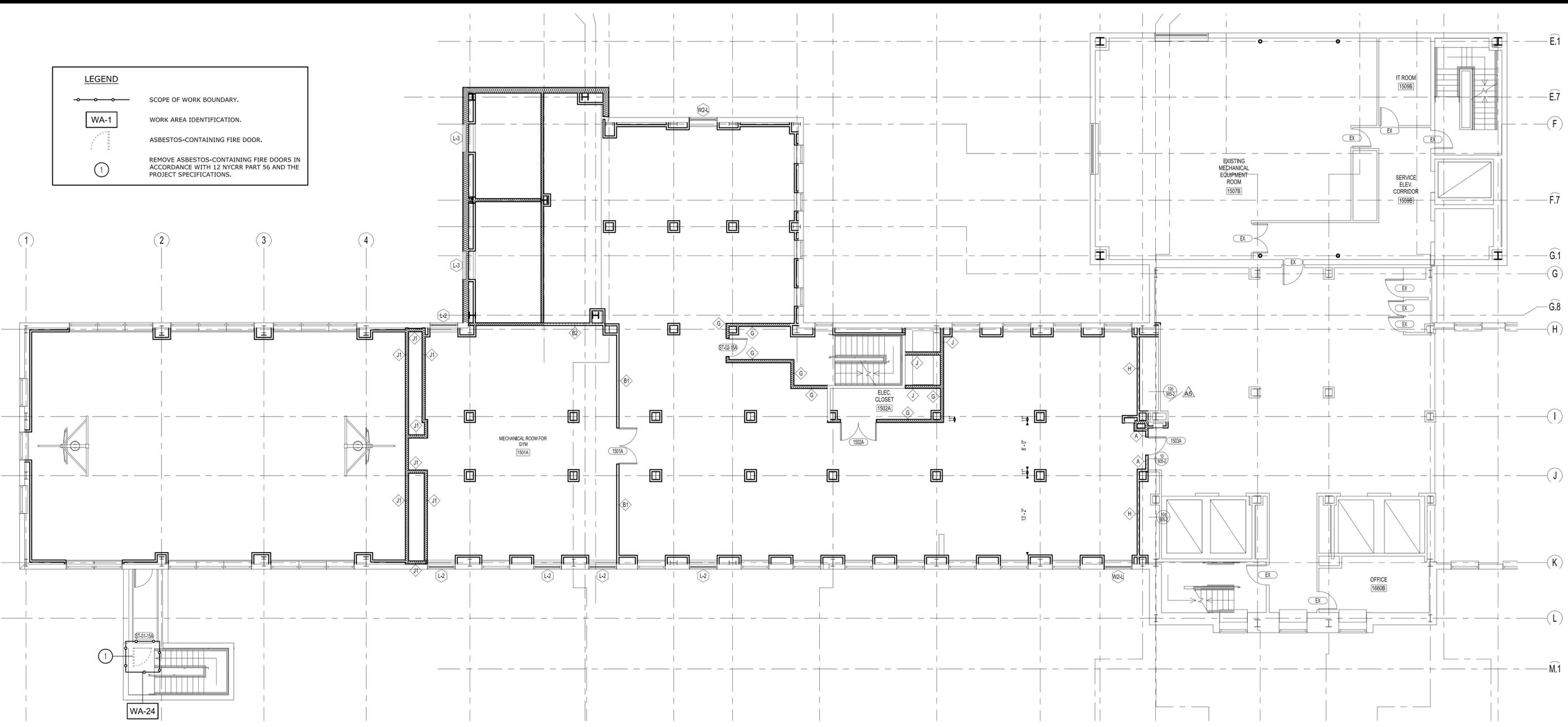
PROJECT NUMBER:	44578
DESIGNED BY:	DW
DRAWN BY:	MS
FIELD CHECK:	DW/EG
APPROVED:	EG

11/04/2015
 MARK DATE DESCRIPTION

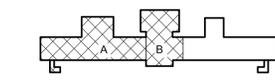
SHEET TITLE:
HAZARDOUS MATERIALS STAIRWAY #1 DOOR SCHEDULE
 BUILDING NUMBER: 102
 DRAWING NUMBER: H-103-1A
 SHEET of 179

LEGEND

- SCOPE OF WORK BOUNDARY.
- WORK AREA IDENTIFICATION.
- ASBESTOS-CONTAINING FIRE DOOR.
- REMOVE ASBESTOS-CONTAINING FIRE DOORS IN ACCORDANCE WITH 1.2 NYCRR PART 56 AND THE PROJECT SPECIFICATIONS.



FIFTEENTH FLOOR PLAN



PROJECT NORTH
 0 4' 8' 16'
 SCALE: 1/8" = 1'-0"

ADDEMDUM DRAWING 11/04/2015

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CONSULTANTS:
RBSD ARCHITECTS P.C.
STV 100
MATRIX NEW WORLD
 Engineering Progress
 A Joint Venture
 225 Park Avenue South
 New York, New York 10003

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CONTRACT: CONSTRUCTION
 TITLE: MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION
 LOCATION: MANHATTAN PSYCHIATRIC CENTER, BUILDING No. 102, 600 EAST 125TH STREET WARDS ISLAND, NY 10035
 CLIENT: NYS OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION	PROJECT NUMBER:	44578
			DESIGNED BY:	DW
			DRAWN BY:	MS
			FIELD CHECK:	
			APPROVED:	EG

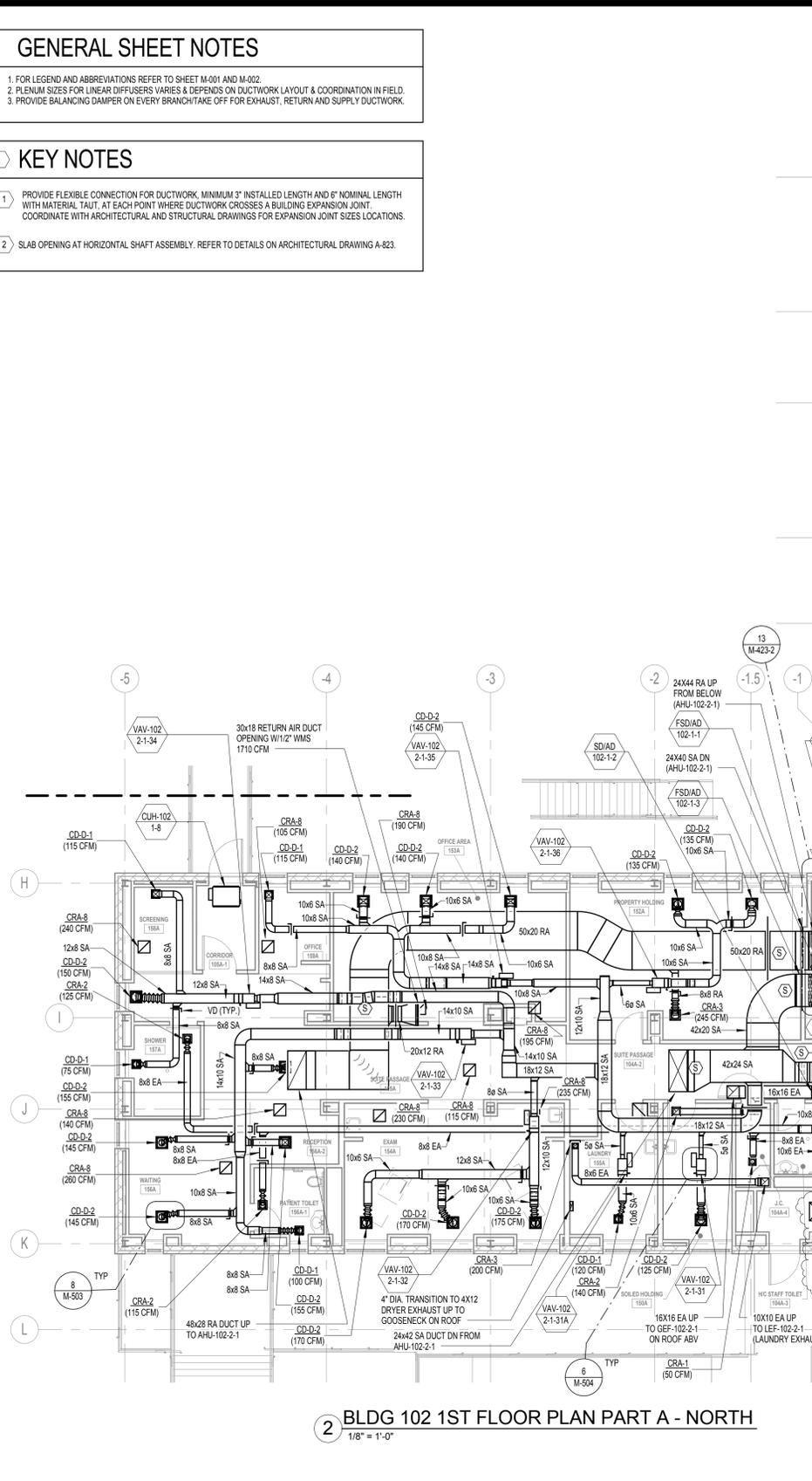
SHEET TITLE:
HAZARDOUS MATERIALS FIFTEENTH FLOOR PLAN
 BUILDING NUMBER: 102
 DRAWING NUMBER: H-115-1
 SHEET

GENERAL SHEET NOTES

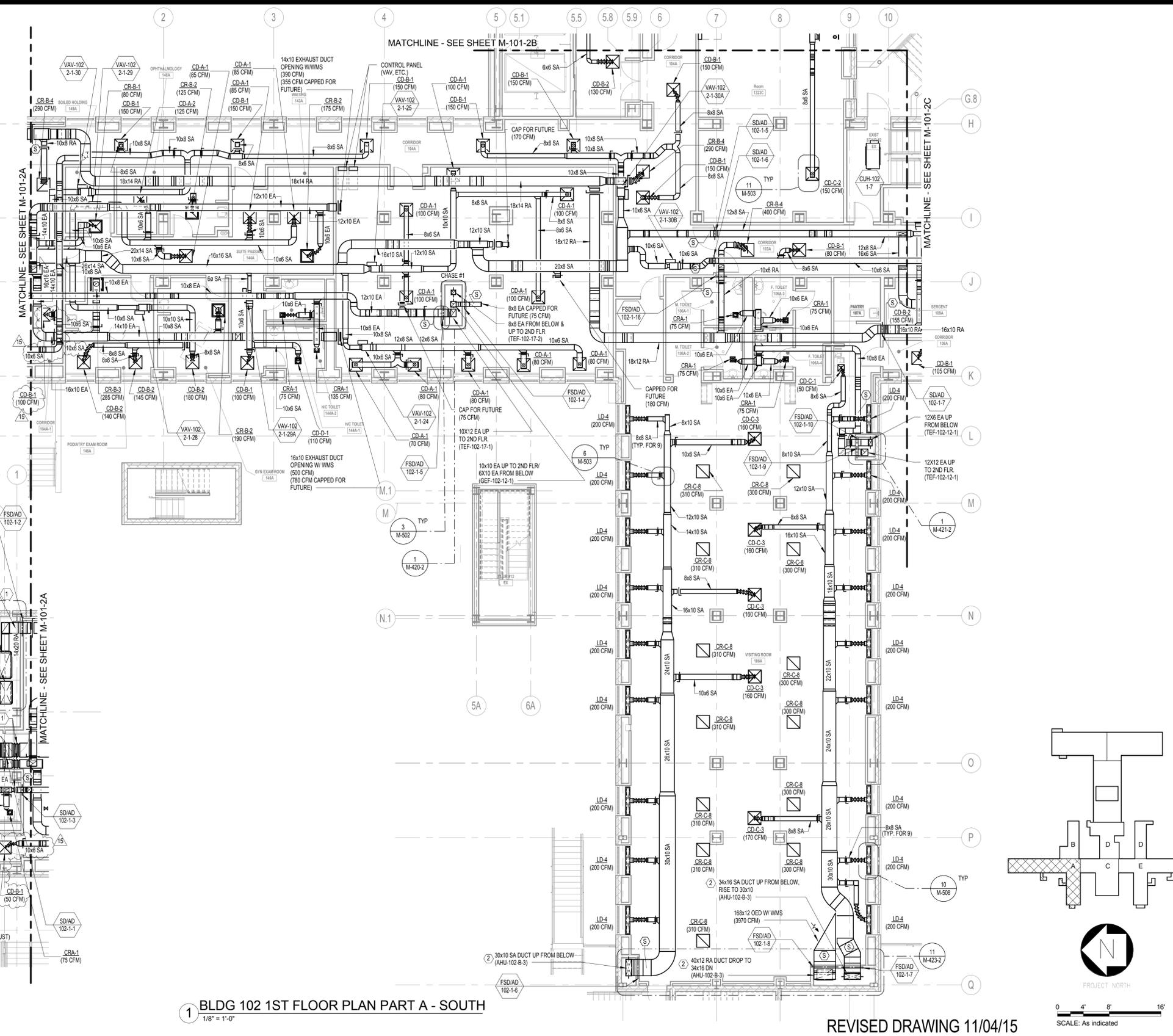
1. FOR LEGEND AND ABBREVIATIONS REFER TO SHEET M-001 AND M-002
2. PLENUM SIZES FOR LINEAR DIFFUSERS VARIES & DEPENDS ON DUCTWORK LAYOUT & COORDINATION IN FIELD.
3. PROVIDE BALANCING DAMPER ON EVERY BRANCH/TAKE OFF FOR EXHAUST, RETURN AND SUPPLY DUCTWORK.

KEY NOTES

1. PROVIDE FLEXIBLE CONNECTION FOR DUCTWORK, MINIMUM 3' INSTALLED LENGTH AND 6" NOMINAL LENGTH WITH MATERIAL TAUT. AT EACH POINT WHERE DUCTWORK CROSSES A BUILDING EXPANSION JOINT. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXPANSION JOINT SIZES LOCATIONS.
2. SLAB OPENING AT HORIZONTAL SHAFT ASSEMBLY. REFER TO DETAILS ON ARCHITECTURAL DRAWING A-823.

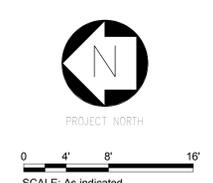


2 BLDG 102 1ST FLOOR PLAN PART A - NORTH
1/8" = 1'-0"



1 BLDG 102 1ST FLOOR PLAN PART A - SOUTH
1/8" = 1'-0"

REVISED DRAWING 11/04/15



NEW YORK STATE OF OPPORTUNITY.

Office of General Services

DESIGN & CONSTRUCTION

CONSULTANTS:

RBSD | STV 100
ARCHITECTS PC

A Joint Venture
225 Park Avenue South
New York, New York 10003

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CONTRACT:
CONSTRUCTION

TITLE:
MAJOR BUILDING RENOVATIONS FOR THE MANHATTAN FORENSIC RELOCATION

LOCATION:
MANHATTAN PSYCHIATRIC CENTER, BUILDING NO. 102
600 EAST 125TH STREET WARDS ISLAND, NY 10035

CLIENT:
NYS OFFICE OF MENTAL HEALTH

MARK	DATE	DESCRIPTION	PROJECT NUMBER:	44578
15	11/04/2015	ADDENDUM 15	DESIGNED BY:	IL
	6-15-2015	BID DOCUMENT	DRAWN BY:	FG
			FIELD CHECK:	N/A
			APPROVED:	PL

SHEET TITLE:
HVAC FIRST FLOOR PLAN, PART A

BUILDING NUMBER: 102	DRAWING NUMBER: M-101-2A
SHEET	

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