

SECTION 011000

SUMMARY OF THE WORK

PART 1 GENERAL

1.01 WORK COVERED BY CONTRACT DOCUMENTS

- A. The title and location of the Work is printed on the cover of this Project Manual.
- B. Type of Contract: Fixed price.
- C. The Work of this Contract, hereinafter referred to as “Work”, generally includes, but is not necessarily limited to, the following major elements:

Base Bid:

1. Removal and replacement of existing wood windows throughout the east (Lexington Avenue), north (East 26th Street) including returns on the east and west, south (East 25th Street) including returns on the east and west, and west (facing drill hall) façades (including windows below grade).
2. Priming and painting of wood windows.
3. Removal and replacement of sealant system at window perimeters.
4. Removal and reinstallation of all existing metal window guards at the basement and first floor window levels on all façades.
5. Removal and replacement of all metal window screens to match existing at the basement and first floor window levels on all façades.
6. Scraping, priming and painting of all existing metal window guards and metal window screens at the basement and first floor window levels on all façades.
7. Off-site disposal of all removed materials.
8. All other work necessitated by these operations and all other work called for by the Contract Documents.

Alternate 1:

Removal and replacement of existing wood windows throughout the west courtyard façade.

1. Priming and painting of wood windows.
2. Removal and replacement of sealant system at window perimeters.
3. Removal and reinstallation of all existing metal window guards.
4. Scraping, priming and painting of all existing metal window guards and metal window screens.
5. Off-site disposal of all removed materials.
6. All other work necessitated by these operations and all other work called for by the Contract Documents.

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1.02 PROJECT PHASING AND SEQUENCE

- A. The window replacement project shall be undertaken in four (4) sequential phases as follows, unless instructed in writing by the Director's Representative:
 - 1. Initial Phase: Window Replacement Mock-ups as described on Section 014339
 - 2. Phase 1: East 26th Street and non-street facing windows
 - 3. Phase 2: East 25th Street
 - 4. Phase 3: Lexington Avenue
- B. Contractor is not allowed to commence work of a subsequent phase until all work from the prior phase has been deemed acceptable in writing by OGS and DMNA.
- C. For each phase, the Contractor is not allowed to work on more than in a group of four (4) to eight (8) windows at any given time.
 - 1. Contractor is not allowed to commence work on a subsequent group of windows until the previous group of four (4) to eight (8) windows has been accepted by OGS and DMNA.
 - 2. OGS and DMNA will provide the location of the group of four (4) to eight (8) windows to the Contractor. OGS and DMNA will endeavor to have the four (4) to eight (8) windows within proximity of each other, however, OGS and DMNA cannot guarantee that always be the case.
- D. No work will be allowed to commence at any location until all materials and accessories have been delivered on-site and are ready to be installed.
- E. Contractor to prepare and submit a detailed phasing plan to Director's Representative for evaluation and approval that identifies sequential phasing, locations of windows to be worked on at one time, duration, and method of temporary protection and waterproofing.
 - 1. See Section 011000 sub-section 1.07 Occupancy for phasing coordination.

1.03 SUBSTANTIAL AND PHYSICAL COMPLETION DATES

- A. Substantially complete the Work within 1772 days after the Agreement is approved by the Comptroller.
 - 1. The time allocated for the performance of work under this contract includes 10 days for notification of the Contractor of the Comptroller's approval of the Agreement.
 - 2. The approval of the Agreement by the Comptroller constitutes the filing of the Contract Documents as a public record and notice to the Contractor that a fully executed contract exists between the Contractor and the State.
- B. Physically complete the Work within 90 days after the established Substantial Completion date.

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1.04 CONTRACT AWARD SUBMITTALS

- A. Submittal No. 1: Submit the CONTRACTOR'S LIST OF SUBCONTRACTORS-SUPPLIERS information required in SCHEDULES AND RECORDS Article in Specification Section 013000 not later than 15 days after approval of the Contract by the Comptroller.
- B. Submittal No. 2: Submit Preliminary Project Schedule related information noted in 013113 Project Schedule or 013200 Construction Progress Documentation, whichever section is applicable, within 15 days after approval of the Contract by the Comptroller for review by the Director's Representative and OGS Scheduling.
- C. Submittal No. 3: Submit the Submittal Coordinator Qualifications not later than 10 days after Award. Include resume and references, and other certification, licenses, or other requested information.

1.05 RESTRICTED WORK PERIOD

- A. Do not perform the window replacement and related Work on or after December 1st and up to, but not including April 1st unless approved otherwise, in writing, by the Director. During this period, clear the building of materials, equipment, and debris. No rough openings shall be permitted to remain open or temporarily closed during this time.
 - 1. The above period will not be included in the number of days specified for completion of the Work.
 - 2. During that period, the contractor is responsible that no masonry opening in any location be left without either the existing window or a completely installed new window.
- B. The Work includes abatement of asbestos-containing materials. Do not perform other Work in the area of such activity during the abatement of asbestos-containing materials.
- C. There will be events held in the Drill Hall annually between the end of October until mid-November where no construction can take place and access to the building, sidewalks and street must be maintained for vendors.

1.06 ITEMS NOT INCLUDED

- A. The following items shown on the Drawings are not included in this Contract:
 - 1. Items indicated "NIC" (Not in Contract).
 - 2. Existing construction, except where such construction is to be removed, replaced, or altered.

1.07 OCCUPANCY

- A. This is an occupied Facility. The building will be occupied and operational during execution of the Work. Ingress to and egress from the building shall be maintained at all times.

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- B. Contractor will coordinate with the Director's Representative and tenant units to plan which spaces will need to be vacated, when they will need to be vacated, and the duration of when said offices can be re-occupied.
- C. Impact on tenants to be kept to a minimum.
- D. Coordination with Director's Representative and tenants to continue for the duration of the construction project.
- E. Coordination process to involve Director's Representative, MNFE Representation and Tenant Unit Representation.

1.08 CONTRACTOR USE OF PREMISES

- A. Working hours shall be between 7:00am through 3:30pm during regular business days.
 - 1. No after hours or weekend work will be permitted unless prior authorization is provided by OGS
- B. Inform the Director's Representative of work area access requirements. The Director's Representative will coordinate and schedule the requirements with Facility staff to obtain and ensure timely availability of work areas.
- C. Check in with the Facility Representative, as directed, at the beginning of each work day. Furnish information regarding where employees will be working during the day.
- D. Comply with the Facility's Visitor Identification Policy. A copy of the current policy will be distributed at the initial job meeting.
- E. The following items are not allowed on the Site or on Facility premises.
 - 1. Firearms, ammunition, weapons, and dangerous instruments (other than tools required for the Work).
 - 2. Alcoholic beverages and persons under the influence of same.
 - 3. Illegal controlled substances and persons under the influence of same.
 - 4. Cameras (except with written permission from the Director's Representative).
- F. Comply with Facility policies relating to smoking at the Site.
- G. Routes of ingress and egress within the building to the location of the Work shall be as directed by the Director's Representative.
- H. Store materials and perform the Work so that pedestrian and vehicular traffic is not obstructed.
 - 1. No staging of material will be allowed on site.
- I. Do not diminish the level of life safety during performance of the Work.

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- J. Furniture and portable equipment, which interferes with execution of the Work, will be removed and reset by Facility personnel.
- K. Utility Outages and Shutdowns: Perform Work which will cause interruptions of utility services or branch services within the building at such times as directed by the Director's Representative, on weekdays between the hours of 6:00 p.m. and 6:00 a.m. or on Saturdays or Sundays.
 - 1. During the asbestos abatement portion of the Project, comply with the requirements specified in Section 028213.
- L. Use of existing elevators for the Work should be as follows:
 - 1. The use of the facility's internal freight and passenger elevators will NOT be allowed with the exception of the Contractor is permitted to bring material and equipment into the Drill Hall via the street level freight elevator each day.
 - a. Weight limit for the street level freight elevator is posted as 10,000 lbs. coordinate requirements with Director's Representative.
 - 2. All movement of material and equipment from floor to floor must be accomplished through stairs.
- M. Be responsible and accountable for employees, suppliers, subcontractors and their employees, with regard to their use of the premises. Direct them to comply with the Facility Regulations and with the security and traffic regulations.
- N. Furnish Facility authorities with a telephone number or method to contact the supervisor for the Work in case of an emergency after work hours, including weekends and holidays.
- O. Comply with applicable federal and State of New York Right-to-Know Law provisions. Provide Safety Data Sheets (SDS) documents for products that have SDS data prior to use on the project site.
 - 1. Upload and maintain electronic SDS documents on the Submittals Website (SDS tab).
 - 2. SDS tab is organized by prime contracts. To be readily identified, name products with SDS by specification section number and product name.
 - 3. Supply and maintain one hard copy of the appropriate SDS on the project site and one hard copy with the Facility's Right-to-Know Information Officer.
- P. Direct employees to be watchful for people in or near the work area where safety hazards may be present. Notify the Facility Safety/Security Department, if necessary, to remove them from the work area or Site.
- Q. Report fire and other emergency situations to the Facility Safety/Security Department immediately.

1.09 REFERENCE SPECIFICATIONS AND STANDARDS

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- A. Comply with the requirements of the various specifications and standards referred to in these Specifications, except where they conflict with the requirements of these Specifications. Such reference specifications and standards shall be the date of latest revision in effect at the time of receiving bids, unless the date is given.
- B. DOT Specifications: If the abbreviation DOT appears in these Specifications, it shall mean the most current edition of the New York State Department of Transportation, Office of Engineering specifications entitled “STANDARD SPECIFICATIONS - CONSTRUCTION AND MATERIALS”, including all applicable Addenda in effect at the time of receipt of bids. The DOT specifications may be purchased from the Department of Transportation, Plan and Publication Sales, 50 Wolf Road, Albany, NY 12232, (518) 457-2124.

1.10 LAYING OUT

- A. Examine the Contract Documents thoroughly and promptly report any errors or discrepancies to the Director’s Representative before commencing the Work.
- B. Lay out the Work in accordance with the Contract Documents.
 - 1. Layouts, which require the establishment of property lines or monuments, shall be performed by a Land Surveyor licensed by New York State.

1.11 HISTORIC TREATMENT PROTECTION

- A. The State Armory is a historic building listed on the National Register of Historic Places. Utmost care must be taken to protect the historic material fabric of this building from damage during the course of all work. Any damage is the contractor’s responsibility to repair with like materials.
- B. Removal Equipment: Use only hand-held tools except as follows or unless otherwise approved by the Director’s Representative on a case-by-case basis:
 - 1. Rotary Power Masonry Saw is allowed subject to Director’s Representative approval.
 - 2. Large air hammers are not permitted.
- C. Preparation for Removal: Examine construction to be removed to determine best methods to safely and effectively perform removal work. Examine adjacent work to determine what protective measures will be necessary. Make explorations, probes, and inquiries as necessary to determine condition of construction to be removed and location of utilities and services to remain that may be hidden by construction that is to be removed.
 - 1. Verify that affected utilities have been disconnected and capped.
 - 2. Inventory and record the condition of items to be removed for reinstallation or salvage.
 - 3. Before removal of existing building elements that will be reproduced or duplicated in final Work, make permanent record of measurements, materials, and construction details required to make exact reproduction.

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- D. Survey of Existing Conditions: Record existing conditions by use of pre-construction photographs. Items to include but not limited to: exterior brick masonry, stone coping, and skylight. Take a minimum of 50 photos of existing conditions. Upload photos to Submittal Exchange with descriptions and locations.

- E. Temporary Protection of Historic Materials:
 - 1. Protect existing historic, restored and reconstructed materials with temporary protections and construction. Do not deface or remove existing materials.
 - a. Provide protection of, but not limited to, the ornate murals on the building interior.
 - 2. Provide protective boarding and framing over existing skylight completely. Existing skylight frame is **NOT** capable of supporting any load.
 - 3. Do not attach temporary protection to historic surfaces.

- F. Historic Treatment Protection Plan: Contractor to prepare and submit a detail protection plan for the entire project. Plan to be approved by the Director's Representative.

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION (Not Used)

END OF SECTION

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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 manufactured 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/NWDA 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

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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/NWDA 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.

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- 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.

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- 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 3/4" 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.

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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

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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.

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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.

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- 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.

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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

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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 088100

GLASS AND GLAZING

PART 1 GENERAL

1.01 DESCRIPTION

- A. The principal items of work are related to providing glazing for wood windows, work called by the drawings, and other work necessitated by these operations.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Wood Windows: Section 085200.

1.03 SUBMITTALS

- A. Submit manufacturer's technical data for each glazing material required, including installation and maintenance instructions.
- B. Certificates of compliance from glass and glazing materials manufacturers attesting that glass and glazing materials furnished for project comply with requirements.
- C. Submit a 12" x 12" sample for each type of glass indicated.
- D. Shop Drawings for Air Conditioning Unit Sleeve or Support. Submit manufacturer's shop drawings, including plans, sections, fabrication details, installation details (including attachment to existing structure), and operational clearances.
 - 1. Submit color chart of standard finish colors.
 - 2. Submit
 - 3. Samples: Submit Air Conditioning Unit Sleeve fabrication to be installed at location as determined by OGS and DMNA.

1.04 REFERENCE STANDARDS

- A. ASTM E 1300-02 – Standard Practice for Determining Load Resistance of Glass in Buildings.
- B. ASTM C 1036 – Standard Specification for Flat Glass
- C. ASTM C 1048 – Standard Specification for Heat – Treated Flat Glass – Kind HS, Kind FT Coated and Uncoated Glass.
- D. ASTM E 163 – Methods for Fire Tests of Window Assemblies.
- E. ASTM E 774 – Standard Specification for Sealed Insulating Glass Units.

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- F. FGMA GM – Glazing Manual
- G. FGMA SM – Sealant Manual
- H. CSFM 43-7 – Fire Tests for Doors and Window Assemblies
- I. NFPA 257 – Fire Tests for Windows Assemblies
- J. UL 9 – Fire Tests for Windows Assemblies
- K. UFC 4-010-01 – DoD Minimum Antiterrorism Standards for Buildings, 9 February 2012 Edition

1.05 PERFORMANCE REQUIREMENTS

- A. Provide blast resistant glazing units capable of withstanding the effects of an explosive blast with the following characteristics defined by UFC 4-010-01, based on testing units representative of the hose indicated for Project:
 - 1. Level of Protection: Low
 - 2. Standoff Distance: 12 feet, as indicated as a minimum standard for existing buildings with standoff distances less than 12 feet.
 - 3. Explosive Weight: Level II
- B. Windborne-Debris Resistance: Provide glazing units 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
- C. Provide glazing with a 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, for whole-window unit including frame.
- D. Provide glazing with a Solar Heat Gain Coefficient (SHGC) maximum of 0.40, determined in accordance with NFRC 200 procedures.

1.06 QUALITY ASSURANCE

- A. Glazing Standards: FGMA Glazing Manual and Sealant Manual.
- B. Each lite shall bear permanent, non-removable label of UL (Underwriters Laboratories) certifying it for use in tested and related fire protective assemblies.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Protect glass from edge damage during handling, storage and installation.

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1.08 PROJECT CONDITIONS

- A. Environmental Requirements: Comply with glazing materials manufacturer's written recommendations regarding environmental conditions under which glazing materials can be installed.
- B. Glazing channel dimensions shown are intended to provide for necessary minimum bite on glass, minimum edge clearance and adequate glazing material thickness, with reasonable tolerances. Provide correct glass size for each opening, within the tolerances and necessary dimensions required.

1.09 WARRANTIES

- A. Provide manufacturer's limited warranty for ten years from the date of completion of the project.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Oldcastle, Inc., 9900 Ashwood Parkway, Suite 600, Atlanta, GA 30338.
- B. Guardian Industries, 2300 Harmon Road, Auburn Hills, MI 48326.
- C. Pilkington, 811 Madison Avenue, Toledo, OH 43604.

2.01 GLASS

- A. Insulating glass shall be factory-assembled units consisting of sealed lites of laminated glass separated by a dehydrated airspace, and complying with ATSM E774 for Class CBA units.
- B. Insulating-Glass Units (IGUs):
 - 1. Overall Unit Thickness: 1.06 inches
 - 2. Outdoor Lite: Tempered Float Glass; ASTM C 1048, Kind FT, Condition A, Type I, Class 1, tempered by the manufacturer's standard process (after cutting to final size).
 - a. Kind FT (fully tempered), 1/8 inch
 - b. Polyvinyl Butyral Interlayer, 0.030 inches
 - c. Kind FT (fully tempered), 1/8 inch
 - 3. Low-E Coating: Sputtered on second.
 - 4. Air Space: 1/2 inch
 - 5. Indoor Lite: Tempered Float Glass; ASTM C 1048, Kind FT, Condition A, Type I, Class 1, tempered by the manufacturer's standard process (after cutting to final size).
 - a. Kind FT (fully tempered), 1/8 inch
 - b. Polyvinyl Butyral Interlayer, 0.090 inches
 - c. Kind FT (fully tempered), 1/8 inch

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- 1) Patterned privacy glass to match existing custom texture where indicated on the Window Schedule.
6. U-Factor: 0.40 maximum.
7. Solar Heat Gain Coefficient (SHGC): 0.40 maximum.

2.02 GLAZING SEALANTS

- A. For sealing wood to glass, use Dow Corning 795.
 1. Or approved equal.
 - a. Director's Representative will select color(s) of sealant(s) to be used.
 - b. Primer as recommended by the manufacturer.

2.03 MISCELLANEOUS GLAZING MATERIALS

- A. General: Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
- C. Setting Blocks: Elastomeric material with a Shore, Type A durometer hardness of 85, plus or minus 5.
- D. Spacers: Elastomeric blocks or continuous extrusions with a Shore, Type A durometer hardness required by glass manufacturer to maintain glass lites in place for installation indicated.
- E. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).

2.04 FABRICATION OF GLAZING UNITS

- A. Fabrication glazing units in sizes required to glaze openings with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.
- B. Grind smooth and polish exposed glass edges and corners.

2.05 ACCESSORIES

- A. Insulated Panels for Window Openings to Accommodate Installed Unit:
 1. Thermolite Aluminum-Faced Insulated Composite Panels manufactured by Laminators Inc.
 - a. Director's Representative will select finish of panel to be used.

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- b. Director's Representative will select finish color of panel to be used.
 - c. Joint sealants as recommended by the manufacturer. Refer to section 079200.
 - 2. Or approved equal.
- B. Air Conditioning Unit Window Support or Sleeve:
 - 1. Contractor to provide support or sleeve for window air conditioning unit as per the New York City Department of Buildings 'Air Conditioning Unit Installation' guidelines.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine glass framing, with glazier present, for compliance with the following:
 - 1. Manufacturing and installation tolerances, including those for size, squareness, offsets at corners.
 - 2. Minimum required face or edge clearances.
 - 3. Observable edge damage or face imperfections.
- B. Do not proceed with glazing until unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings that are not firmly bonded to substrates.

3.03 GLAZING, GENERAL

- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in reference glazing publications.
- B. Provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances. Adjust as required by Project conditions during installation.
- C. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.
- D. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction sealant-substrate testing.
- E. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

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- F. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.
- G. Provide spacers for glass lites where length plus width is larger than 50 inches as follows:
 - 1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
 - 2. Provide 1/8-inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
- H. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.
- I. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
- J. Where edge-shapes gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.
- K. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended by gasket manufacturer.

3.04 SEALANT GLAZING (WET)

- A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.
- B. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.
- C. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

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3.05 CLEANING

- A. Protect exterior glass from damage immediately after installation by attaching crossed streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels and clean surfaces.
- B. Remove and replace glass that is broken, chipped, cracked, or abraded or that is damaged from natural causes, accidents, and vandalism, during construction period.
- C. Wash glass on both exposed surfaces in each area of project not more than four days before date scheduled for inspections that establish date of completion. Wash glass as recommended in writing by glass manufacturer.

END OF SECTION

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SECTION 099101
CONSTRUCTION PAINTING

PART 1 GENERAL

1.01 DESCRIPTION

- A. The principal items of work are related to scraping, priming, and painting all existing window guards at the basement and first floor window levels on all façades, painting restored interior plaster finishes, work called for by the Drawings, and other work necessitated by these operations.

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. Metal Fabrications: Section 055000.
- B. Plastering: Section 092300.

1.03 DEFINITIONS

- A. “Paint” or “Coating”: surface-applied liquid coating of any type as specified below, whether used as surface pretreatment, surface conditioner, or prime, intermediate, or finish coat.

1.04 SUBMITTALS

- A. Submit 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.
- B. Submit samples for initial color selection in the form of manufacturer's color charts.
- C. Submit 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.
- D. Submit written description of procedures to be used for surface preparation, coating application, and protection of adjacent surfaces in each application location. This is an information submittal and not subject to the Director's Representative's review.

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1.05 QUALITY ASSURANCE

- A. Single-Source Responsibility: Provide primer, intermediate coat (if any), and finish coat produced by the same manufacturer in each application location. Different substrates, such as wood and metal, may have coating systems by different manufacturers as specified below.
- B. Notify the Director's Representative of any problems anticipated, such as material incompatibility or discrepancy between manufacturer's instructions and these Specifications. Do not start coating application until substrates comply with preparation procedures specified below.
- C. Material Quality: Coating material containers not displaying manufacturer's product identification will not be acceptable.
- D. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and the methods needed for proper performance of the Work of this Section.

1.06 REFERENCE STANDARDS

- A. Society for Protective Coatings (SSPC). Steel Structures Painting Manual, Volume 2: Systems and Specifications. Surface Preparation Specifications:
 - 1. SP-1, Solvent Cleaning.
 - 2. SP-6, Commercial Blast Cleaning.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the job site in the manufacturer's original unopened packages and containers bearing manufacturer's name and label and complete product information.
- B. Store materials not in use in tightly-covered containers in a well-ventilated area at a minimum ambient temperature of 50 degrees F. Maintain containers used for storage in clean condition, free of foreign materials and residue.
 - 1. Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and application.

1.08 JOB CONDITIONS

- A. Apply coatings in accordance with the manufacturer's requirements for ambient temperature, surface temperature, and surface temperature in relation to dew point. Paragraph B below is a minimum standard in all cases.
- B. The following restrictions shall apply, unless the manufacturer's instructions include more strict limitations: do not apply coatings in snow, rain, fog, or mist,

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when the relative humidity exceeds 85 percent, at temperatures less than 5 degrees F (3 degrees C) above the dew point, or to damp or wet surfaces.

- C. Protect adjacent surfaces from overspray, drips and spatters. Use of protection materials such as polyethylene sheets and duct tape shall be acceptable to the Director's Representative. Repair damage or soiling to substrates being protected to the satisfaction of the Director's Representative and at no additional expense to the Director's Representative.

1.09 PROBES AND TEST PANELS

- A. The first location of window guard painting shall serve as a test panel for the Director's Representative's acceptance of color and workmanship. Test panel may contain more than one color at Director's Representative's request; if so, label each area with manufacturer's color designation. Do not proceed with the remainder of the Work until the test panel has been reviewed and accepted.
 - 1. When test panel is no longer needed, repair as required to match the finished work, as directed by the Director's Representative.
- B. New York State Historic Preservation Office (SHPO) and New York City Landmarks Preservation Commission (LPC).
 - 1. All material samples and mock-ups are subject to review and approval by the New York State Historic Preservation Office (SHPO) and The New York City Landmarks Preservation Commission.
 - 2. Notify the Director's Representative, at least one week in advance of when samples or mock-ups are expected to be ready for review in order to arrange and schedule a visit from the SHPO and LPC staff.
 - 3. Contractor shall be responsible to prepare and provide as many samples as required to secure SHPO and LPC approval.
 - 4. Do not proceed with the work until receive written approval from SHPO, LPC and/or the Director's Representative.

PART 2 PRODUCTS

2.01 COATINGS FOR STEEL AND EXISTING STEEL, PREVIOUSLY PAINTED

- A. Color: to match existing.
 - 1. Steel primer #1: TNEMEC Perimeprime (2.5 - 3.5 mils DFT)
 - 2. Steel intermediate coat #1: TNEMEC Series 27 F.C. Typoxy (4 - 6 mils DFT)
 - 3. Steel finish coat #1: TNEMEC Series 73 Endura-Shield (2-5 mils DFT).
 - a. Or approved equal.

2.02 COATINGS FOR PLASTER

- A. Color: to match existing.
 - 1. Primer: Regal Classic Interior Acrylic Latex Eggshell as manufactured by Benjamin Moore.
 - 2. Finish coat: Same as primer.
 - a. Or approved equal.

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2.03 SURFACE CLEANING MATERIALS

- A. Inorganic cleaner (phosphate-free cleaning powder): commercially available mixture of sodium metasilicate and sodium sesquicarbonate. Use at standard recommended dilution of 2 tablespoons per gallon of warm water.
- B. Detergent or organic degreaser: commercial all-purpose cleaner with surfactants, low-sudsing, or Benjamin Moore M83 Oil & Grease Emulsifier. Follow usage instructions.
- C. Solvent: per requirements of SSPC SP-1.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates and conditions under which surface preparation and coating application will be performed and review the specified requirements. Do not begin application until surface preparation in that location is complete. Notify the Director's Representative if specified surface preparation is inadequate or there are other deficiencies or conditions that would affect coating performance. Do not proceed until unsatisfactory conditions have been corrected to the satisfaction of the Director's Representative. Commencement of coating application means that the Contractor accepts the existing conditions as suitable for optimum coating performance throughout its normal expected service life.
 - 1. The Director's Representative's field representative will periodically review the surface preparation for compliance with the specifications. Correct all deficiencies pointed out by such representative. Such review does not relieve the Contractor of responsibility for overall supervision of surface preparation, compliance with specifications, and performance of applied coatings.

3.02 SURFACE PREPARATION – GENERAL

- A. Perform preparation and cleaning procedures as specified below for each surface type and location. Notify the Director's Representative of any discrepancy between the specified procedures and the manufacturer's recommended surface preparation.
- B. Schedule surface preparation and coating application so that dust and other contaminants from preparation activities will not soil newly-coated surfaces.

3.03 SURFACE PREPARATION - EXISTING PREVIOUSLY PAINTED STEEL

- A. In the following locations and substrates, remove all existing coating to bare surface, using the following preparation methods:
 - 1. Existing window guards: SP-6.

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3.04 MIXING

- A. For single-component systems such as alkyds: Stir and prepare coating materials in strict accordance with the manufacturer's instructions and recommendations.
 - 1. Stir material before application to produce a mixture of uniform density; stir as required during application. Do not stir surface film into material. Remove film and, if necessary, strain material before using.
 - 2. Use only thinners approved by the paint manufacturer, and only within recommended limits.
- B. For multi-component systems such as epoxies and urethanes: mix components in accordance with manufacturer's instructions. Comply with manufacturer's mixing ratio, mixing procedure, and stirring equipment.
 - 1. In determining quantities to be mixed be mindful of the pot life of the materials concerned. Do not exceed manufacturer's allowable pot life.
- C. Maintain containers used in mixing and application of coatings in a clean condition, free of foreign materials and residue.

3.05 APPLICATION

- A. Apply paint in accordance with manufacturer's directions. Use brush, roller, spray equipment recommended by coating manufacturer; employing the specified techniques best suited for the substrate, ambient conditions (such as wind), and the type of coating being applied.
- B. Do not apply coatings over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable coating film.
 - 1. The number of coats and film thickness required is the same regardless of the application method. Do not apply succeeding coats until the previous coat has dried and cured as recommended by the manufacturer.
 - 2. Apply additional coats when undercoats, stains, or other conditions show through final coat of coating material. The finish coat film shall be of uniform finish, color, and appearance. Give special attention to ensure that surfaces, including edges, corners, crevices, welds, and exposed fasteners, receive a dry film thickness equivalent to that of flat surfaces.
- C. Scheduling coating application: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for coating application as soon as practicable after preparation and before the occurrence of detectable surface deterioration such as flash rust. In the event of detectable surface deterioration, repeat the surface preparation at no additional expense to the Director's Representative.
 - 1. Allow sufficient time between successive coats to permit proper drying and curing.
- D. Minimum coating thickness: Apply materials at not less than the manufacturer's recommended spreading rate. Provide a total dry film thickness of the entire system as herein specified.

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- E. Pigmented (opaque) finishes: Completely cover to provide an opaque, smooth surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.

3.06 CLEANING

- A. Cleanup: At the end of each work day, remove empty cans, rags, and debris to the satisfaction of the Director's Representative.
- B. Upon completion of coating application, remove temporary protection and clean glass and spattered surfaces. Remove spattered coatings by washing and scraping, using care not to scratch or damage surfaces.

END OF SECTION

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SCHEDULE OF SUBMITTALS

PROJECT NO.: 44544-C

CONTRACTOR:		PROJECT MANAGER:	
DESIGN CONSULTANT:	Hoffmann Architects, Inc.	ENGINEER-IN-CHARGE:	
FACILITY:	State Armory, 68 Lexington Avenue, New York, NY	INSTRUCTIONS TO THE CONTRACTOR: 1. Refer to Section 013300 of the Project Manual for general requirements regarding submittals and to Section 017716 - CONTRACT CLOSEOUT for project closeout submittals. 2. Refer to the Sections of the specifications indicated herein for details of the requirements for each submittal listed. 3. Indicate in the spaces following each item: critical submittals and long lead items (mark with an 'X'), the date the item will be submitted, the date approval is required (allow at least 3 weeks), and the date delivery of the material or equipment is necessary for completion of the work in accordance with the Progress Schedule. The date entered for the submittal is the last date a substitution will be considered. Proposed substitutions must be made prior to the date entered if more than one substitution is to be submitted for approval. Spaces which contain N/A do not require dates. 4. An example of a Submittal Transmittal (BDC-42) can be located on the OGS website. 5. Submit Contract Closeout Submittals prior to final inspection. Note: The following list of submittals is furnished for your convenience in scheduling submittals. The list is not warranted to be complete and does not take precedence over the contract documents. Enter additional submittals, if required or directed.	
LEGEND			
PACK	SUBMITTAL PACKAGE		
SD	SHOP DRAWINGS		
PD	PRODUCT DATA		
SAM	SAMPLES		
QCS	QUALITY CONTROL SUBMITTALS		
LEED	LEED SUBMITTALS		
CCS	CONTRACT CLOSEOUT SUBMITTALS		
SEND TO:			
F/O	Field /Office		
O	Office (Albany)		
DC	Design Consultant		



SCHEDULE OF SUBMITTALS

PROJECT NO.: 44544-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 3 weeks for Approval			ACTION TAKEN							
Spec Section	Sub Section	Type	Description	F/O	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:	1st Submittal	1st Rejection	Revised Submittal	Revised Rejection	Final Submittal	Final Rejection	Approved As Noted	Approved
				O												
GENERAL CONDITIONS																
007213		PD	ARTICLE 6: Designate in writing competent supervision and/or management representatives as required - include contact number in case of an emergency after work hours, including weekends and holidays (see 011000 Summary of Work)													
007213		PD	ARTICLE 8: Permits and licenses													
007213		PD	ARTICLE 19: Certificate of Insurance (ACORD)													
SUMMARY OF THE WORK																
011000		PD	Supply copies of the appropriate Material Safety Data Sheets (MSDS) to the Director's Representative - 2 sets													
011000		PD	Notify the Directors Representative regarding individual inspections listed in the if utilizing the STATEMENT OF SPECIAL INSPECTIONS.													
ADMINISTRATIVE REQUIREMENTS																
013000		PD	Contractor's List of Subcontractors/Suppliers BDC 329 or submit via the Vendor Interface website													
013000		PD	CONTRACTOR'S PROGRESS SCHEDULE (Form BDC 331)													
013000		PD	Detailed Estimate - BDC 187 or submit via the Vendor Interface website													
SUBMITTALS																
013300		PD	Schedule of Submittals (This form)													
REGULATORY REQUIREMENTS																
014100		QCS	Site Specific Safety Plan													
CONTRACT CLOSEOUT																
017716		CCS	Project Record Documents													
017716		CCS	Operation and maintenance, 2 copies													
017716		CCS	Warranties													
017716		CCS	Spare Parts and Maintenance Materials													

SCHEDULE OF SUBMITTALS

PROJECT NO.: 44544-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 3 weeks for Approval			ACTION TAKEN							
Spec Section	Sub Section	Type	Description	F/O	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:	1st Submittal	1st Rejection	Revised Submittal	Revised Rejection	Final Submittal	Final Rejection	Approved As Noted	Approved
				O												
				DC												
028213 ASBESTOS ABATEMENT																
028213		PD	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the completed DOSH-751 and DOSH-465 forms													
028213		PD	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the New York State Department of Labor site specific variance decision.													
028213		QCS	Notification Compliance Data													
028213		QCS	Asbestos Removal Company Data													
028213		QCS	Asbestos Worker Certification Data													
028213		QCS	Work Plan													
028213		QCS	Waste Transporter Permit													
028213		QCS	Landfill													
028213		QCS	Negative Air Pressure Equipment													
028213		CCS	Waste Shipment Records and Disposal Site Receipts													
028213		CCS	Daily Log													
028213		CCS	Air Monitoring Data													
028303 ABATEMENT OF LEAD CONTAINING MATERIALS																
028303		PD	Chemical Paint Removal Products													
028303		PD	Mechanical Paint Removal													
028303		PD	Respirators													
028303		PD	Vacuum Cleaners													
028303		PD	Plastic Sheets													
028303		PD	Disposal Bags or Disposal Drums													
028303		PD	Equipment													
028303		PD	Landfill Destination Facility Information													
028303		QCS	Worker's Qualifications Data													
028303		QCS	Work Plan													
028303		QCS	Waste Transporter Permit													
028303		PD	Operation and Maintenance Data: Submit air filtration unit operation and maintenance data and manufacturer's catalog sheets for the HEPA filter													
028303		CCS	Disposal Site Receipts													
028433 ABATEMENT OF PCB CONTAINING CAULK-SEALANT MATERIALS																
028433		PD	Disposal Drums													
028433		PD	Respirators													
028433		PD	Vacuum Cleaners													
028433		PD	Plastic Sheets													

SCHEDULE OF SUBMITTALS

PROJECT NO.: 44544-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 3 weeks for Approval			ACTION TAKEN							
Spec Section	Sub Section	Type	Description	F/O	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:	1st Submittal	1st Rejection	Revised Submittal	Revised Rejection	Final Submittal	Final Rejection	Approved As Noted	Approved
				O												
				DC												
028433		QCS	Worker's Qualifications Data													
028433		QCS	Work Plan													
028433		QCS	Waste Transporter Permit													
028433		CCS	Disposal Site Receipts													
040121			MASONRY RESTORATION													
040121		PD	Brick Units													
040121		PD	Mortar: Cement													
040121		PD	Mortar: Lime													
040121		PD	Mortar: Aggregate													
040121		PD	Wall Ties													
040121		PD	Flashing Membrane													
040121		PD	Flashing Membrane: Surface Conditioner													
040121		PD	Flashing Membrane: Termination Mastic													
040121		SAM	Brick Units													
040121		SAM	Test Panel													
040121		QCS	Brick Test Results													
040121		QCS	Confirmation of Mortar Design Mix													
040121		QCS	Certification of Aggregate for Mortar													
040121		QCS	Shoring Procedures													
040121		QCS	Removal Procedures													
044300			ROUGH STONE													
044300		PD	Patching Material													
044300		PD	Dowels													
044300		SAM	Test Panel													
044300		QCS	Removal Procedures													
055000			METAL FABRICATIONS													
055000		SD	Steel Angles													
055000		PD	Stainless Steel Anchors													
061000			ROUGH CARPENTRY													
061000		QCS	Certificates: Pressure Treatment													
061000		QCS	Certificates: Waterbourne Preservatives													
072100			BUILDING INSULATION													
072100		PD	Mineral Fiber Insulation: Glass or other inorganic fibers and resinous binders formed into flexible blankets, batts or rolls; ASTM C 665.													
072100		SAM	Blanket, Batt or Roll													

SCHEDULE OF SUBMITTALS

PROJECT NO.: 44544-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 3 weeks for Approval			ACTION TAKEN							
Spec Section	Sub Section	Type	Description	F/O	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:	1st Submittal	1st Rejection	Revised Submittal	Revised Rejection	Final Submittal	Final Rejection	Approved As Noted	Approved
				O												
				DC												
072100		QCS	Certificate Affidavit required under Quality Assurance Article													
079200			JOINT SEALERS													
079200		PD	Sealant													
079200		PD	Primer													
079200		SAM	Color Chart													
079200		SAM	Test Panel													
079200		QCS	Specimen Copy of Warranty													
079200		QCS	Backer Rod													
079200		QCS	Bond Breaker Tape													
079200		CCS	Executed Copy of Warranty													
085200			WOOD WINDOWS													
085200		SD	Show fabrication details and connections to adjacent construction.													
085200		PD	Awning Window Units													
085200		PD	Double Hung Window Units													
085200		PD	Fasteners and Anchors (each type)													
085200		PD	Flashing Membrane													
085200		PD	Flashing Membrane: Surface Conditioner													
085200		PD	Flashing Membrane: Termination Mastic													
085200		SAM	Complete window unit (each type)													
085200		SAM	Corner of frame and sash (each type)													
085200		SAM	Weather Stripping													
085200		SAM	Test Panel													
085200		QCS	Manufacturer's Certification of Window Compliance with Project Requirements													
085200		QCS	Structural Engineering Data and Calculations													
085200		QCS	Test Reports: Certified testing laboratory reports, indicating that window units have been tested and comply with the requirements of the project													
085200		QCS	Installer Certification from Manufacturer													
085200		CCS	Maintenance and Operation Data													
088100			GLASS AND GLAZING													
088100		PD	Type A-1 Glass													
088100		PD	Polyvinyl Butyral Interlayer													
088100		PD	Low-E Coating													
079200		PD	Sealant													
079200		PD	Sealant: Primer													

SCHEDULE OF SUBMITTALS

PROJECT NO.: 44544-C

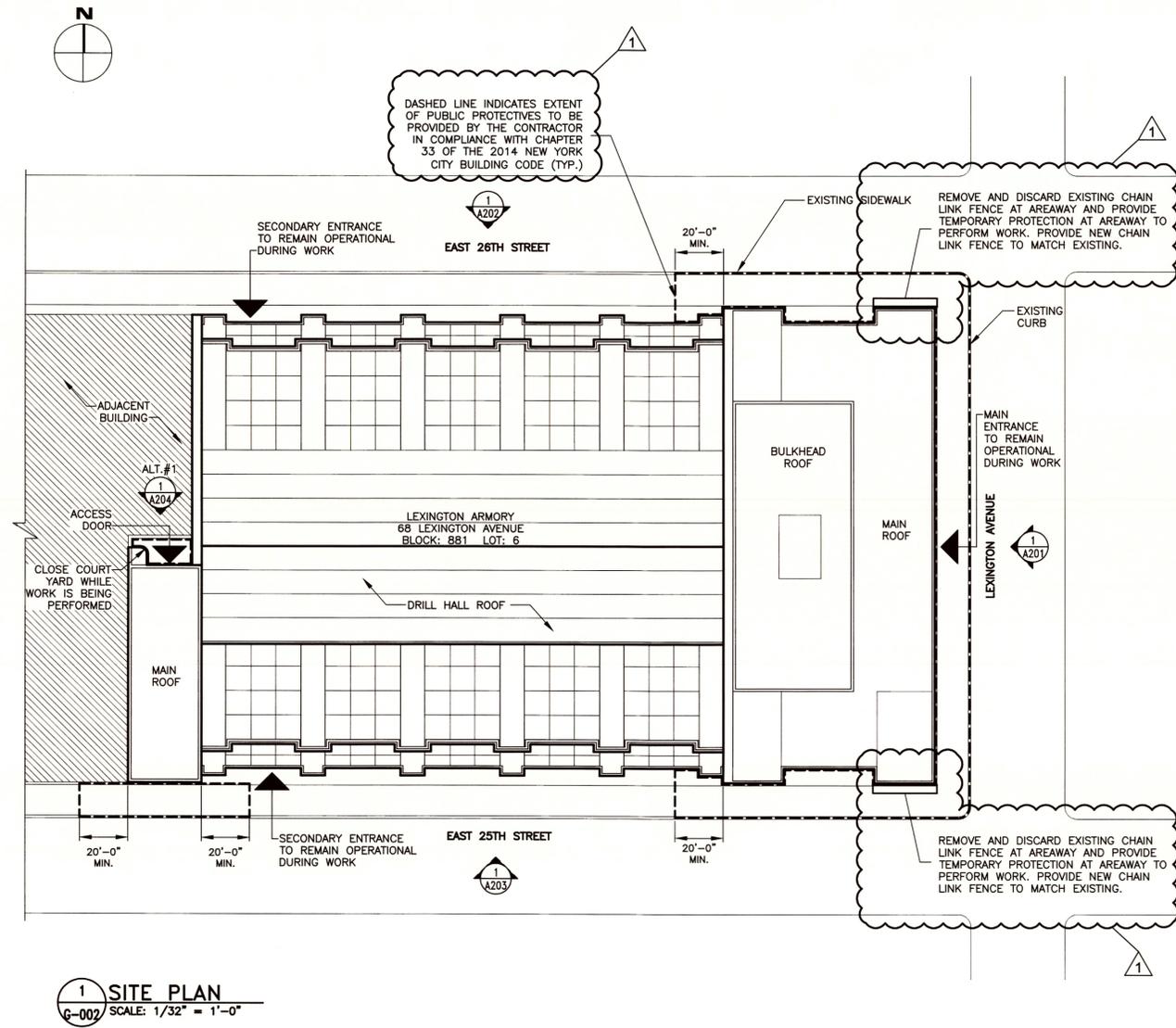
SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 3 weeks for Approval			ACTION TAKEN							
Spec Section	Sub Section	Type	Description	F/O	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:	1st Submittal	1st Rejection	Revised Submittal	Revised Rejection	Final Submittal	Final Rejection	Approved As Noted	Approved
				O												
				DC												
079200		SAM	Sealant: Color Chart													
088100		PD	Spacers													
088100		PD	Compressible Filler Rod													
088100		SAM	Glass: 12 x 12 inch piece of glass specified (each type)													
088100		SAM	Setting Blocks													
088100		SAM	Color Samples for Glazing Materials													
088100		QCS	Specimen Copy of Warranty													
088100		QCS	Test Reports: Certified test data to sufficiently substantiate glass or glass assembly compliance with requirements specified													
088100		QCS	Certificates: Affidavit required under Quality Assurance Article													
088100		CCS	Executed Copy of Warranty													
092300 PLASTERING																
092300		PD	Type 3 Plaster													
092300		PD	Bonding Compound													
092300		PD	Corner Beads													
092300		PD	Casing Beads													
092300		PD	Expanded Metal Reinforcement													
092300		QCS	Sand													
093013 CERAMIC TILE																
093013		PD	Glazed Wall Tile													
093013		PD	Trim Units													
093013		PD	Latex-Portland Cement Mortar													
093013		PD	Latex-Portland Cement Grout													
093013		PD	Colors													
093013		SAM	Glazed Wall Tile													
093013		SAM	Trim Units													
093013		SAM	Latex-Portland Cement Grout													
093013		SAM	Tile Colors													
093013		SAM	Grout Colors													
093013		QCS	Tile Grade Certificates - each shipment													
093013		QCS	Installer's Qualification Data													
093013		CCS	Maintenance Data													
093013		CCS	Extra Materials: Furnish extra tile, equal to 3 percent of the tile installed, of each type, composition, pattern, size and color of tile required. Also furnish a proportionate number of trim units													

SCHEDULE OF SUBMITTALS

PROJECT NO.: 44544-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 3 weeks for Approval			ACTION TAKEN							
Spec Section	Sub Section	Type	Description	F/O	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:	1st Submittal	1st Rejection	Revised Submittal	Revised Rejection	Final Submittal	Final Rejection	Approved As Noted	Approved
				O												
				DC												
099101 CONSTRUCTION PAINTING																
099101		PD	Painting Schedule													
099101		PD	Primer Coat													
099101		PD	Intermediate Coat													
099101		PD	Finish Coat													
099101		SAM	Color Chart													
099101		SAM	Finish Paint Samples: Two finish paint samples applied over recommended primers for each substrate to be painted.													
099101		SAM	Test Panel													
099101		QCS	Test Reports													
099101		QCS	Certificates of Quality Assurance Article													
099101		QCS	Surface Preparation Procedures													
099101		CCS	Extra Materials: Four gallons, each type													

Aug 15, 2016 5:03pm
 P:\11030 Lexington Armory - Masonry Repairs (CAH)\Coord\Window Replacement - MOST RECENT\G-002.dwg
 36.24 PLOT SHEET



1 SITE PLAN
 G-002 SCALE: 1/32" = 1'-0"

GENERAL NOTES:

- THE FOLLOWING NOTES SHALL APPLY THROUGHOUT. EXCEPTIONS ARE SPECIFICALLY NOTED ON EACH DRAWING.
- FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF THE SITE AND/OR BUILDING.
 - UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR THE REQUIRED CONSTRUCTION PERMIT(S), FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
 - COORDINATE WORK TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK/PROJECT.
 - PERFORM ALL CUTTING AND PATCHING REQUIRED TO COMPLETE THE WORK WITHOUT COMPROMISING THE QUALITY OF THE WORK.
 - PRIOR TO BEGINNING WORK AT SITE, AND THROUGHOUT THE COURSE OF THE WORK, INSPECT AND VERIFY THE LOCATION AND CONDITION OF EVERY ITEM AFFECTED BY THE WORK AND REPORT DISCREPANCIES TO THE DIRECTOR'S REPRESENTATIVE BEFORE DOING WORK RELATED TO THAT BEING INSPECTED.
 - ADEQUATELY BRACE AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS, AND OFF ALIGNMENTS.
 - PRIOR TO BEGINNING WORK, INSPECT EXISTING CONDITIONS AND ITEMS WHICH MUST BE REMOVED AND REINSTALLED.
 - WORK IS TO CONFORM TO APPLICABLE REQUIREMENTS OF LOCAL GOVERNING CODES, NYS DEPT. OF FIRE DEPARTMENT REGULATIONS, NBU AND UTILITY CODES, OSHA CODES AND THE NEW YORK STATE BUILDING CODE.
 - DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS MUST BE VERIFIED AT THE SITE BEFORE ORDERING MATERIAL OR DOING WORK. DISCREPANCIES IN DRAWINGS AND SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT. NO CHANGE IN DRAWINGS OR SPECIFICATIONS IS PERMISSIBLE WITHOUT THE WRITTEN CONSENT OF THE DIRECTOR'S REPRESENTATIVE.
 - WORK ON THESE DRAWINGS SHALL BE NEW WORK WHETHER STATED OR NOT EXCEPT WHERE SPECIFICALLY NOTED AS "EXISTING".
 - DETAILS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER AND ACCEPTABLE CONSTRUCTION, INSTALLATION OR OPERATION OF ANY PART OF THE WORK, SHALL BE INCLUDED IN THE WORK THE SAME AS IF HEREIN SPECIFIED OR INDICATED, AT NO ADDITIONAL COST TO THE OWNER.
 - PROVIDE AND MAINTAIN TEMPORARY MEASURES TO SEAL CONSTRUCTION OPENINGS TO PREVENT DUST, DIRT AND ODORS FROM FILTERING INTO OCCUPIED AREAS ARE TO BE PROVIDED BY CONTRACTOR.
 - RELOCATE/MODIFY AND PATCH ANY EXISTING ITEMS INTERFERING WITH THE INSTALLATION OF NEW WORK, WHETHER SHOWN OR NOT ON THESE DRAWINGS.
 - PROVIDE PROTECTION, BARRIERS, TEMPORARY SIGNAGE, ETC. NECESSARY TO PROTECT THE PUBLIC AND MAINTAIN ACCESS DURING THE PROJECT.
 - STORE ALL MATERIALS OFF-SITE.
 - UNEXPECTED CONDITIONS/SUBSTANTIVE CHANGES THAT DIFFER FROM THE BID DOCUMENTS ARE TO BE BROUGHT TO THE ATTENTION OF THE DIRECTOR'S REPRESENTATIVE IMMEDIATELY. REVIEW AND APPROVAL MUST BE OBTAINED BEFORE CONTRACTOR MAY PROCEED WITH THE WORK.
 - THE CONTRACTOR SHALL PROVIDE SECURITY PROTECTION FOR EXPOSED WINDOW OPENINGS AT THE BASEMENT, 1ST FLOOR, AND 2ND FLOOR LEVELS WHEN THE CONTRACTOR'S PERSONNEL ARE NOT IN THE WORK AREA.
 - THE CONTRACTOR SHALL RESTORE ANY INTERIOR OR EXTERIOR FINISHES, MATERIALS, OR WOODWORK THAT MAY BECOME DAMAGED DURING THE EXECUTION OF THE WORK TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE DIRECTOR'S REPRESENTATIVE.
 - ALL EXISTING EXITS SHALL BE MAINTAINED OPERATIONAL AND UNOBSTRUCTED THROUGHOUT THE CONSTRUCTION PERIOD.

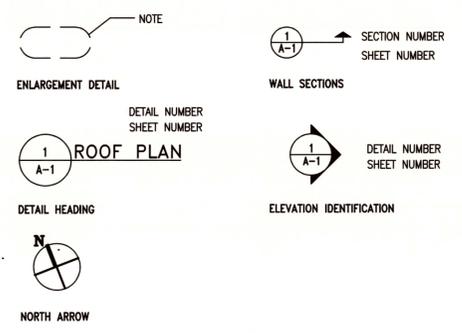
BUILDING DEPARTMENT NOTES:

- THE FOLLOWING NOTES SHALL APPLY THROUGHOUT:
- WORK SHALL BE EXECUTED IN FULL COMPLIANCE WITH THE APPLICABLE PROVISIONS OF ALL LAWS, BY-LAWS, STATUTES, ORDINANCES, CODES, RULES, REGULATIONS AND LAWFUL ORDERS OF PUBLIC AUTHORITIES BEARING THE PERFORMANCE AND EXECUTION OF THE WORK.
 - ALL MATERIALS, ASSEMBLIES FORMS, METHODS OF CONSTRUCTION AND SERVICE EQUIPMENT SHALL MEET THE REQUIREMENTS DESCRIBED IN THE NEW YORK STATE BUILDING CODE 2010.
 - MATERIALS OR ASSEMBLIES REQUIRED TO HAVE A FIRE RESISTANCE RATING SHALL COMPLY WITH REQUIREMENTS DESCRIBED IN CHAPTERS 6 AND 7 OF THE NEW YORK STATE BUILDING CODE 2010.
 - THE STATE ARMORY LOCATED AT 68 LEXINGTON AVENUE IS LISTED ON THE STATE AND NATIONAL REGISTERS OF HISTORIC PLACES AND IS ALSO A NATIONAL HISTORIC LANDMARK (NHL).

PHASING:

- WORK SHALL BE UNDERTAKEN IN 4 SEQUENTIAL PHASES AS FOLLOWS, UNLESS INSTRUCTED BY THE DIRECTOR'S REPRESENTATIVE:
 - INITIAL PHASE: WINDOW REPLACEMENT MOCK-UPS
 - PHASE 1: EAST 26TH STREET AND NON-STREET FACING WINDOWS
 - PHASE 2: EAST 25TH STREET
 - PHASE 3: LEXINGTON AVENUE
- WORK OF SUBSEQUENT PHASE CANNOT COMMENCE UNTIL PRIOR PHASE HAS BEEN DEEMED ACCEPTABLE IN WRITING BY DIRECTOR'S REPRESENTATIVE.
- WORK IS LIMITED TO FOUR TO EIGHT WINDOWS AT ONE TIME.
 - WORK ON SUBSEQUENT GROUP OF WINDOWS CANNOT COMMENCE UNTIL PRIOR GROUP HAS BEEN DEEMED ACCEPTABLE BY DIRECTOR'S REPRESENTATIVE.
 - LOCATIONS OF THE FOUR TO EIGHT WINDOWS GROUPS TO BE PROVIDED BY DIRECTOR'S REPRESENTATIVE.
- PROVIDE DIRECTOR'S REPRESENTATIVE A DETAILED PHASING PLAN THAT IDENTIFIES SEQUENTIAL PHASING, LOCATIONS OF WINDOWS TO BE WORKED ON AT ONE TIME, DURATION, AND METHOD OF TEMPORARY PROTECTION AND WATERPROOFING.
- PROVIDE WEATHER TIGHT PROTECTION FOR ALL OPENINGS DURING THE PERFORMANCE OF REMOVAL, ABATEMENT, AND INSTALLATION OF WINDOWS.
- NO WORK TO COMMENCE AT ANY LOCATION UNTIL ALL MATERIALS AND ACCESSORIES HAVE BEEN DELIVERED ON-SITE AND ARE READY TO BE INSTALLED.

REFERENCE SYMBOLS:



ENERGY ANALYSIS:

ENERGY ANALYSIS FOR ALTERATION - CLIMATE ZONE 4

ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE
WINDOW REPLACEMENT	U-FACTOR: 0.40 SHGC: 0.40	U-FACTOR: 0.40 SHGC: 0.40



ANDREW M. CUOMO
 Governor
 ROANN M. DESTITO
 Commissioner

CONSULTANT



WARNING:
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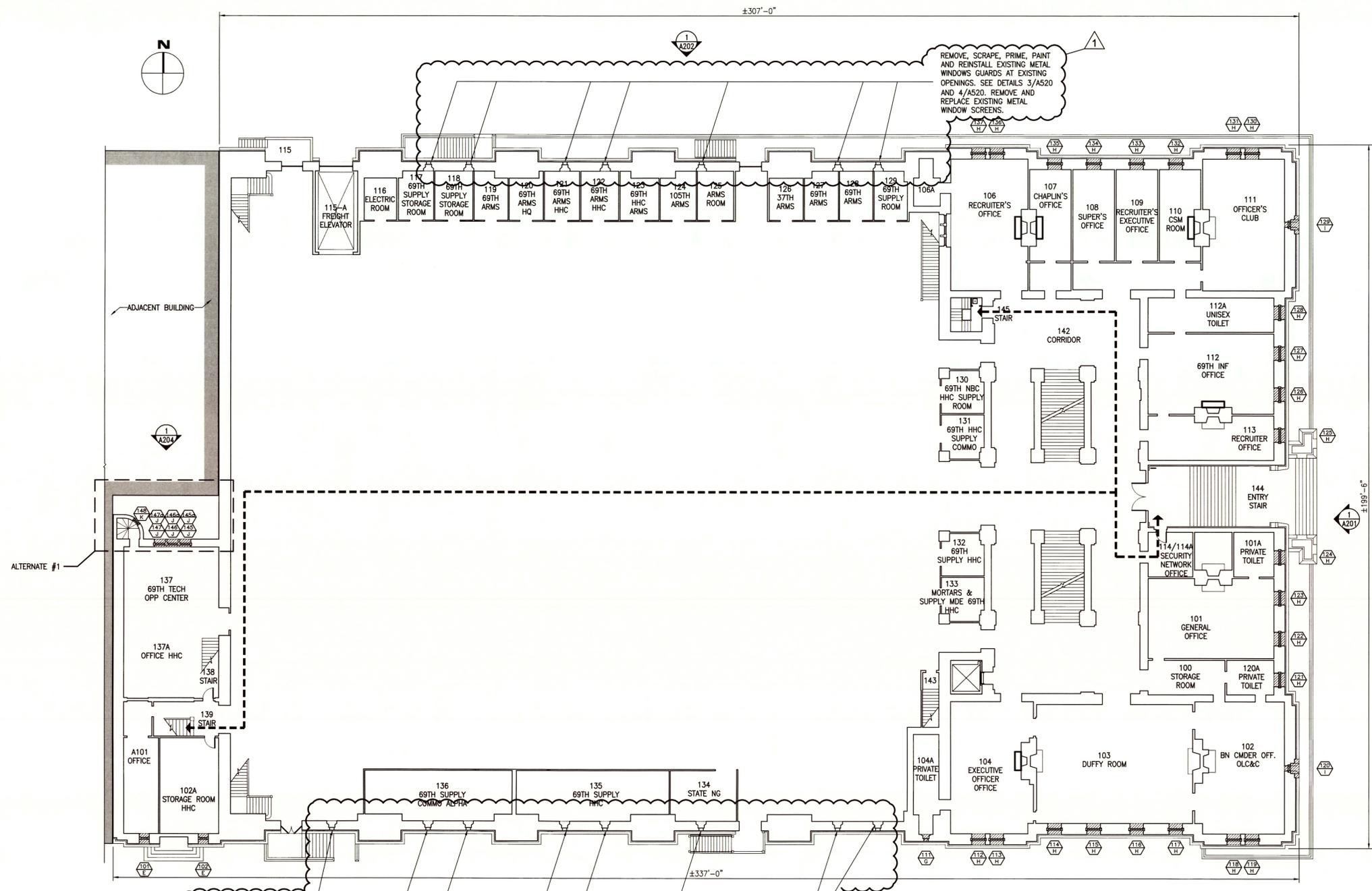
CONSTRUCTION

TITLE: REPLACE WINDOWS
 LOCATION: STATE ARMORY
 68 LEXINGTON AVENUE
 NEW YORK, NY 10098
 CLIENT: DIVISION OF MILITARY
 AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
△	08/12/2016	ADDENDUM #01
	06/03/2014	BID DOCUMENT
PROJECT NUMBER:	44544 - C	
DESIGNED BY:	KRW/WH	
DRAWN BY:	KRW/DP/KLS/MM/CS/WH	
FIELD CHECK:		
APPROVED:	CAH	
SHEET TITLE:	GENERAL NOTES, SYMBOLS, ABBREVIATIONS & SITE PLAN	
DRAWING NUMBER:	G-002	

GENERAL NOTES, SYMBOLS, ABBREVIATIONS & SITE PLAN

Aug 15, 2016 - 5:04pm
 P:\211093 Lexington Armory - Masonry Repairs (CAH)\Cadd\Window Replacement - MOST RECENT\A-102 1ST FLOOR.dwg
 36x24 PLOT SHEET



1 FIRST FLOOR PLAN
 A-102 SCALE: 1/16" = 1'-0"

WINDOW REPLACEMENT LEGEND:

WINDOWS TO BE REMOVED AND REPLACED. SEE SCHEDULES ON A-501 AND A-502.
 WINDOW NUMBER
 WINDOW TYPE

BASE BID:

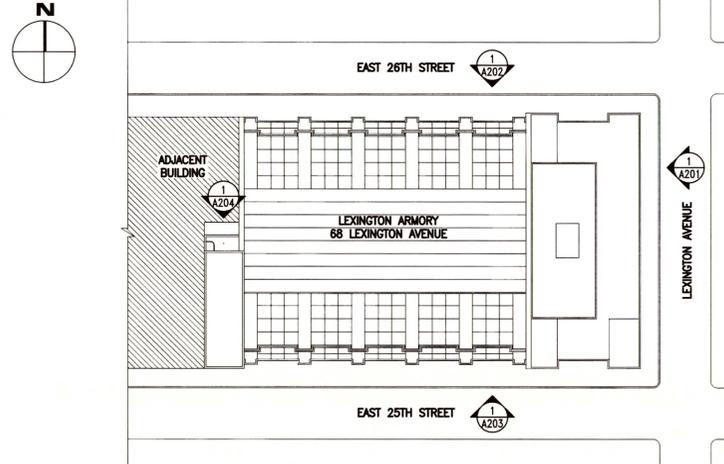
REMOVE AND REPLACE ALL WINDOWS ON THE EAST ELEVATION (LEXINGTON AVENUE), NORTH ELEVATION (EAST 26TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, SOUTH ELEVATION (EAST 25TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, AND WEST ELEVATION (FACING DRILL HALL).

ALTERNATE #1:

REMOVE AND REPLACE ALL WINDOWS ON THE WEST COURTYARD ELEVATION.

NOTES:

SOME EXISTING MATERIALS TO BE REMOVED OR THAT MAY BE DISTURBED BY THESE ACTIVITIES MAY CONTAIN HAZARDOUS CONTENT THAT WILL REQUIRE ABATEMENT.



KEY PLAN
 SCALE NTS.



WARNING:
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CONTRACT:

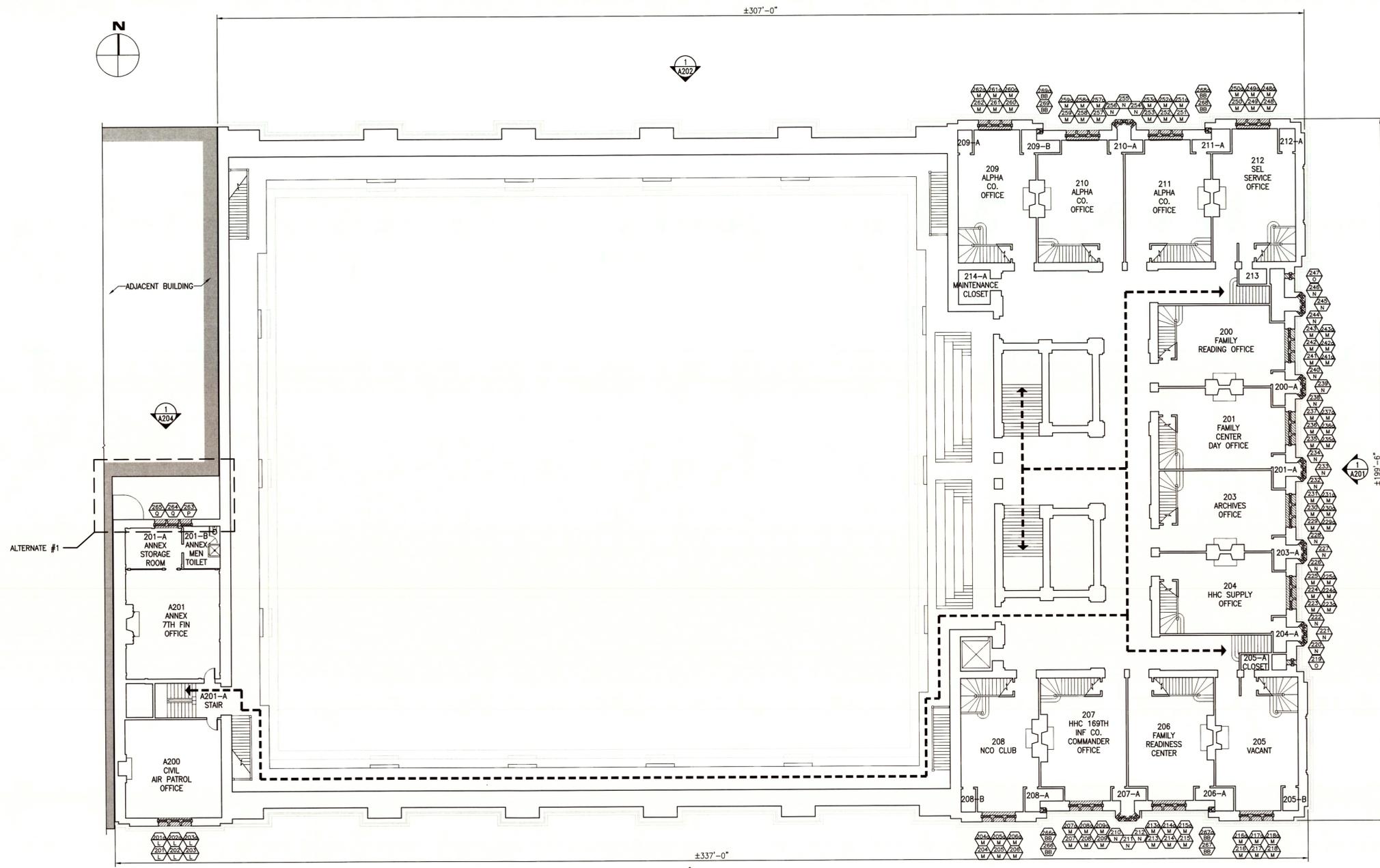
TITLE: CONSTRUCTION

LOCATION: STATE ARMORY
 68 LEXINGTON AVENUE
 NEW YORK, NY 10098

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

PROJECT NUMBER:	44544-C
DESIGNED BY:	KRW/WH
DRAWN BY:	KRW/DP/KLS/MM/CS/WH
FIELD CHECK:	
APPROVED:	CAH
SHEET TITLE:	FIRST FLOOR PLAN
DRAWING NUMBER:	A-102
SHEET	4 OF 43

Aug 15, 2016 - 5:06pm
 P:\21193 Lexington Armory - Masonry Repairs (CAH)\Coord\Window Replacement - MOST RECENT\A-103 2ND FLOOR.dwg
 36.24 - PLOT SHEET



1 SECOND FLOOR PLAN
 A-103 SCALE: 1/16" = 1'-0"

WINDOW REPLACEMENT LEGEND:

WINDOWS TO BE REMOVED AND REPLACED. SEE SCHEDULES ON A-501 AND A-502.

WINDOW NUMBER

WINDOW TYPE

BASE BID:

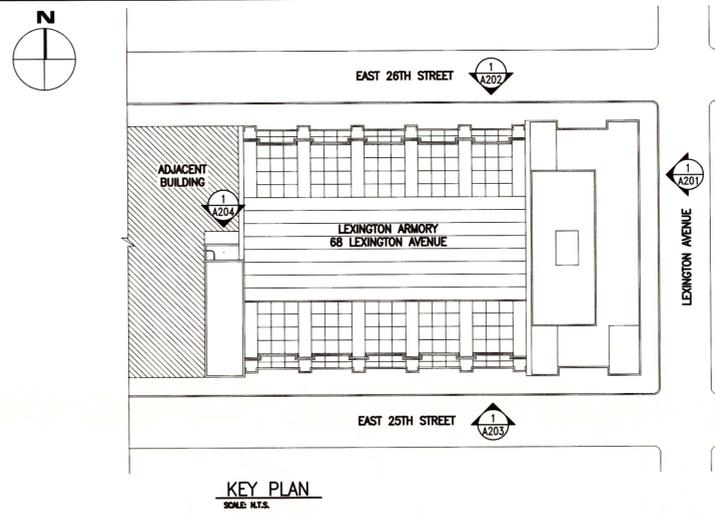
REMOVE AND REPLACE ALL WINDOWS ON THE EAST ELEVATION (LEXINGTON AVENUE), NORTH ELEVATION (EAST 26TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, SOUTH ELEVATION (EAST 25TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, AND WEST ELEVATION (FACING DRILL HALL).

ALTERNATE #1:

REMOVE AND REPLACE ALL WINDOWS ON THE WEST COURTYARD ELEVATION.

NOTES:

SOME EXISTING MATERIALS TO BE REMOVED OR THAT MAY BE DISTURBED BY THESE ACTIVITIES MAY CONTAIN HAZARDOUS CONTENT THAT WILL REQUIRE ABATEMENT.



OGS
 NYS OFFICE OF GENERAL SERVICES
 Serving New York
 ANDREW M. CUOMO
 Governor
 ROANN M. DESITTO
 Commissioner

CONSULTANT

Hoffmann Architects

STATE OF NEW YORK
 DIVISION OF MILITARY & NAVAL AFFAIRS

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REGISTERED ARCHITECT
 STATE OF NEW YORK

CONTRACT: **CONSTRUCTION**

TITLE: **REPLACE WINDOWS**

LOCATION: **STATE ARMORY
 68 LEXINGTON AVENUE
 NEW YORK, NY 10098**

CLIENT: **DIVISION OF MILITARY
 AND NAVAL AFFAIRS**

PROJECT NUMBER:	44544 - C	
DESIGNED BY:	KRW/WH	
DRAWN BY:	KRW/DP/KLS/MM/CS/WH	
FIELD CHECK:		
APPROVED:	CAH	
SHEET TITLE:	SECOND FLOOR PLAN	
DRAWING NUMBER:	A-103	
SHEET	5	OF 43

CONSULTANT

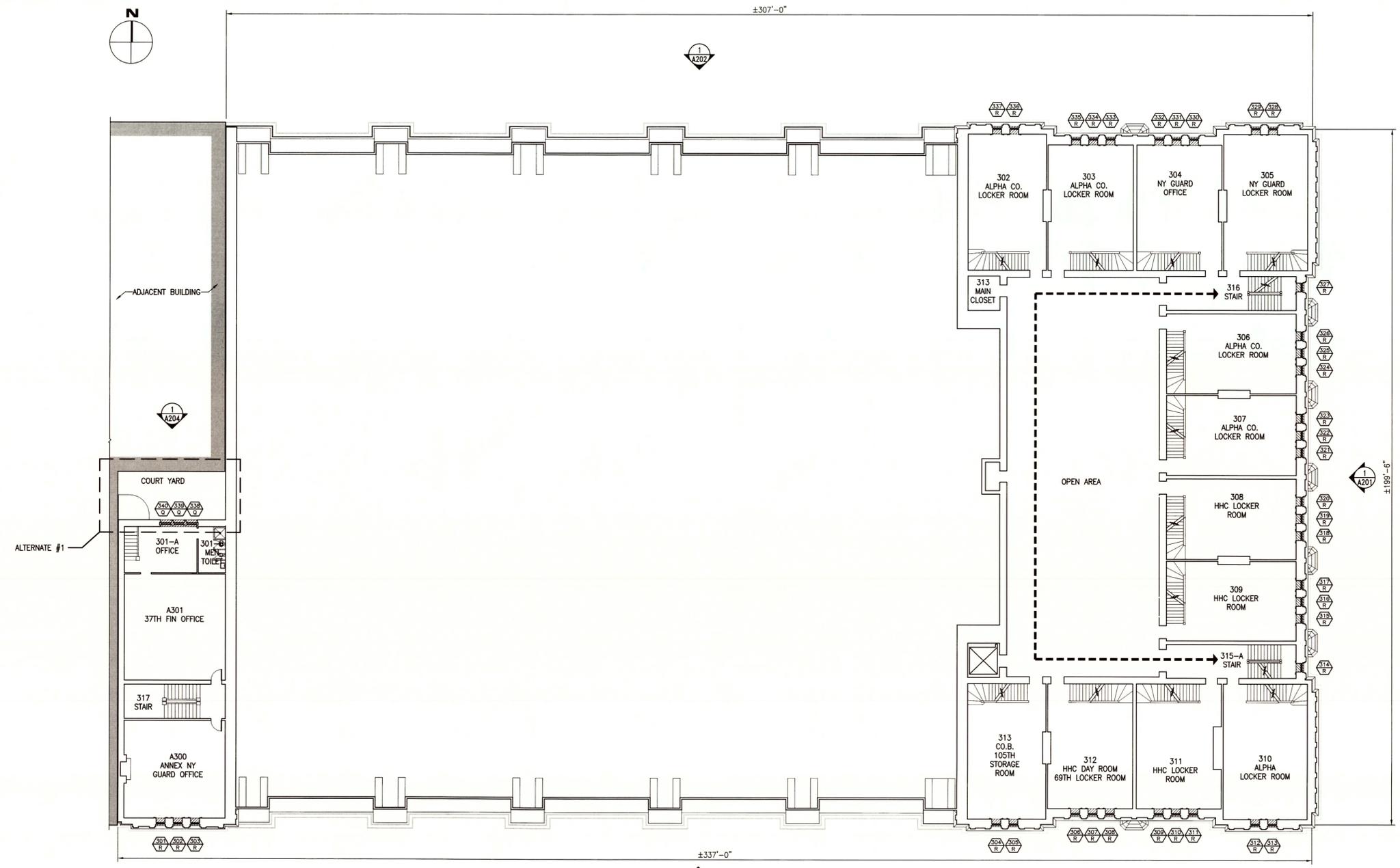


WARNING:
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CONTRACT:	CONSTRUCTION
TITLE:	REPLACE WINDOWS
LOCATION:	STATE ARMOY 68 LEXINGTON AVENUE NEW YORK, NY 10098
CLIENT:	DIVISION OF MILITARY AND NAVAL AFFAIRS

PROJECT NUMBER:	44544 - C	
DESIGNED BY:	KRW/WH	
DRAWN BY:	KRW/DP/KLS/MM/CS/WH	
FIELD CHECK:		
APPROVED:	CAH	
SHEET TITLE:	THIRD FLOOR PLAN	
DRAWING NUMBER:	A-104	
SHEET	6	OF 43



1 THIRD FLOOR PLAN
A-104 SCALE: 1/16" = 1'-0"

WINDOW REPLACEMENT LEGEND:

 WINDOWS TO BE REMOVED AND REPLACED. SEE SCHEDULES ON A-501 AND A-502.

 WINDOW NUMBER

 WINDOW TYPE

BASE BID:

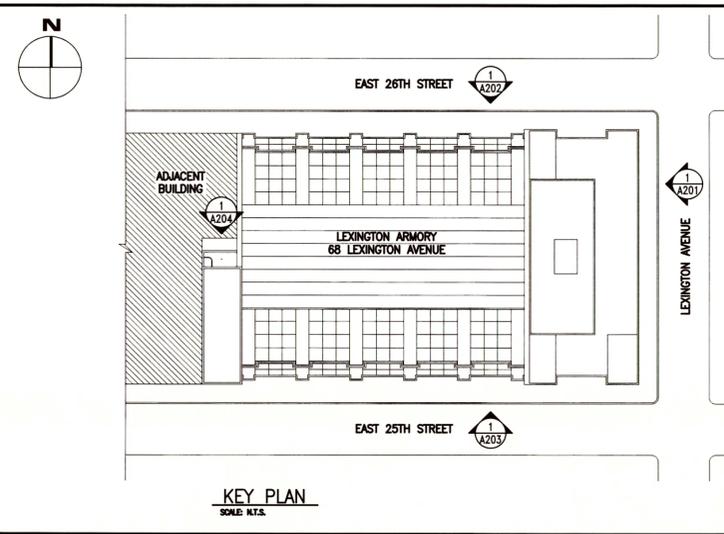
REMOVE AND REPLACE ALL WINDOWS ON THE EAST ELEVATION (LEXINGTON AVENUE), NORTH ELEVATION (EAST 26TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, SOUTH ELEVATION (EAST 25TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, AND WEST ELEVATION (FACING DRILL HALL).

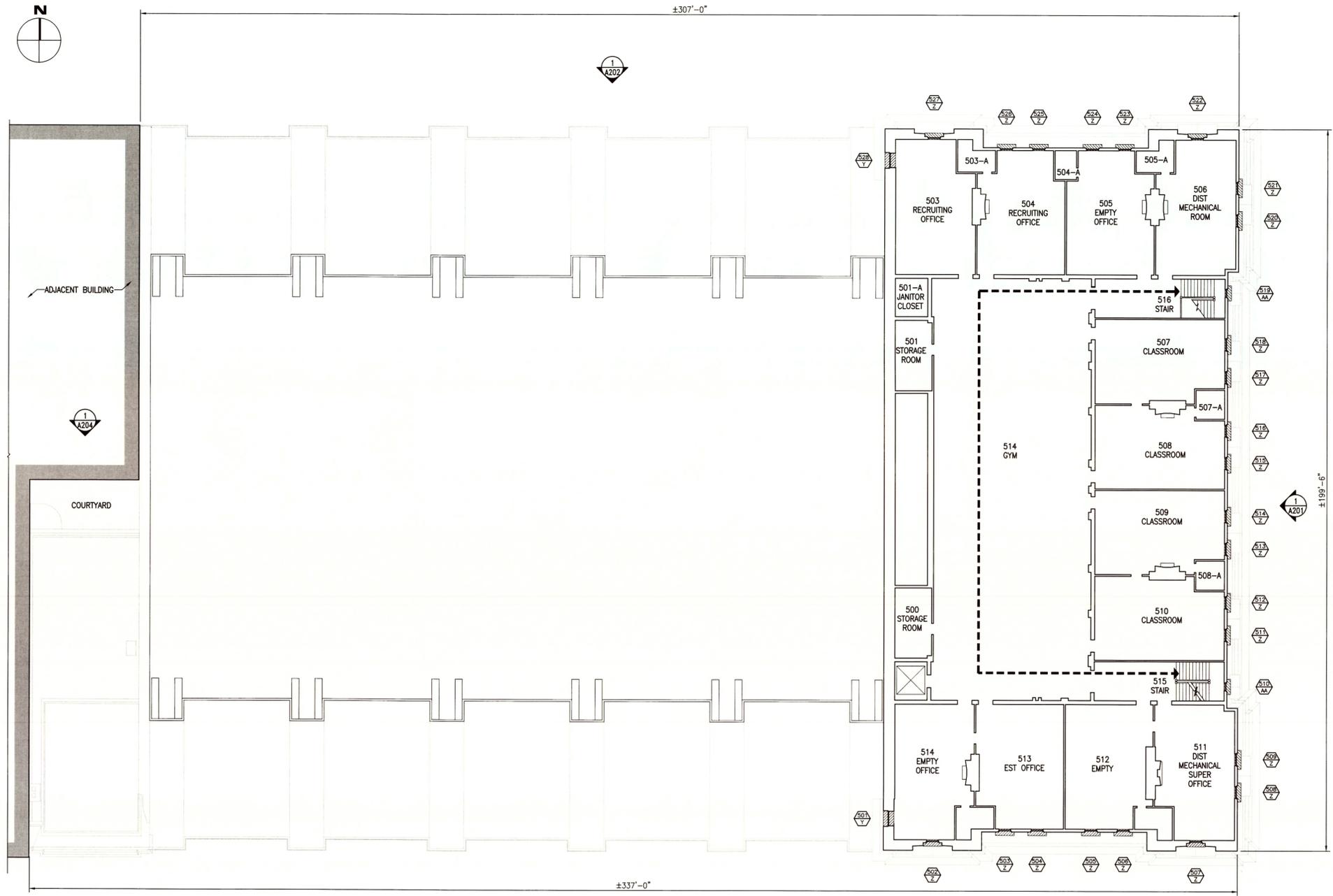
ALTERNATE #1:

REMOVE AND REPLACE ALL WINDOWS ON THE WEST COURTYARD ELEVATION.

NOTES:

SOME EXISTING MATERIALS TO BE REMOVED OR THAT MAY BE DISTURBED BY THESE ACTIVITIES MAY CONTAIN HAZARDOUS CONTENT THAT WILL REQUIRE ABATEMENT.





FIFTH FLOOR PLAN
SCALE: 1/16" = 1'-0"

WINDOW REPLACEMENT LEGEND:

- ▨ WINDOWS TO BE REMOVED AND REPLACED. SEE SCHEDULES ON A-501 AND A-502.
- ⬆ WINDOW NUMBER
- ⬆ WINDOW TYPE

BASE BID:

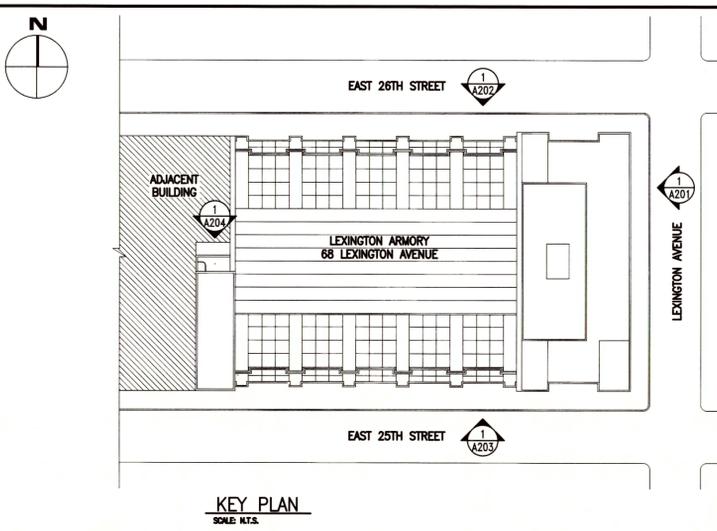
REMOVE AND REPLACE ALL WINDOWS ON THE EAST ELEVATION (LEXINGTON AVENUE), NORTH ELEVATION (EAST 26TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, SOUTH ELEVATION (EAST 25TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, AND WEST ELEVATION (FACING DRILL HALL).

ALTERNATE #1:

REMOVE AND REPLACE ALL WINDOWS ON THE WEST COURTYARD ELEVATION.

NOTES:

SOME EXISTING MATERIALS TO BE REMOVED OR THAT MAY BE DISTURBED BY THESE ACTIVITIES MAY CONTAIN HAZARDOUS CONTENT THAT WILL REQUIRE ABATEMENT.

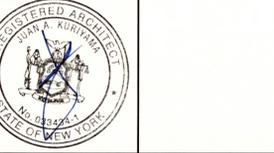


CONSULTANT

Hoffmann Architects

STATE OF NEW YORK
DIVISION OF MILITARY & NAVAL AFFAIRS

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.



CONSTRUCTION

TITLE: REPLACE WINDOWS

LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY 10098

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
⚠	08/12/2016	ADDENDUM #01
⚠	06/03/2014	BID DOCUMENT

PROJECT NUMBER: 44544 - C

DESIGNED BY: KRW/WH

DRAWN BY: KRW/DP/KLS/MM/CS/WH

FIELD CHECK:

APPROVED: CAH

SHEET TITLE: FIFTH FLOOR PLAN

DRAWING NUMBER: A-106

SHEET 8 OF 43

CONSULTANT

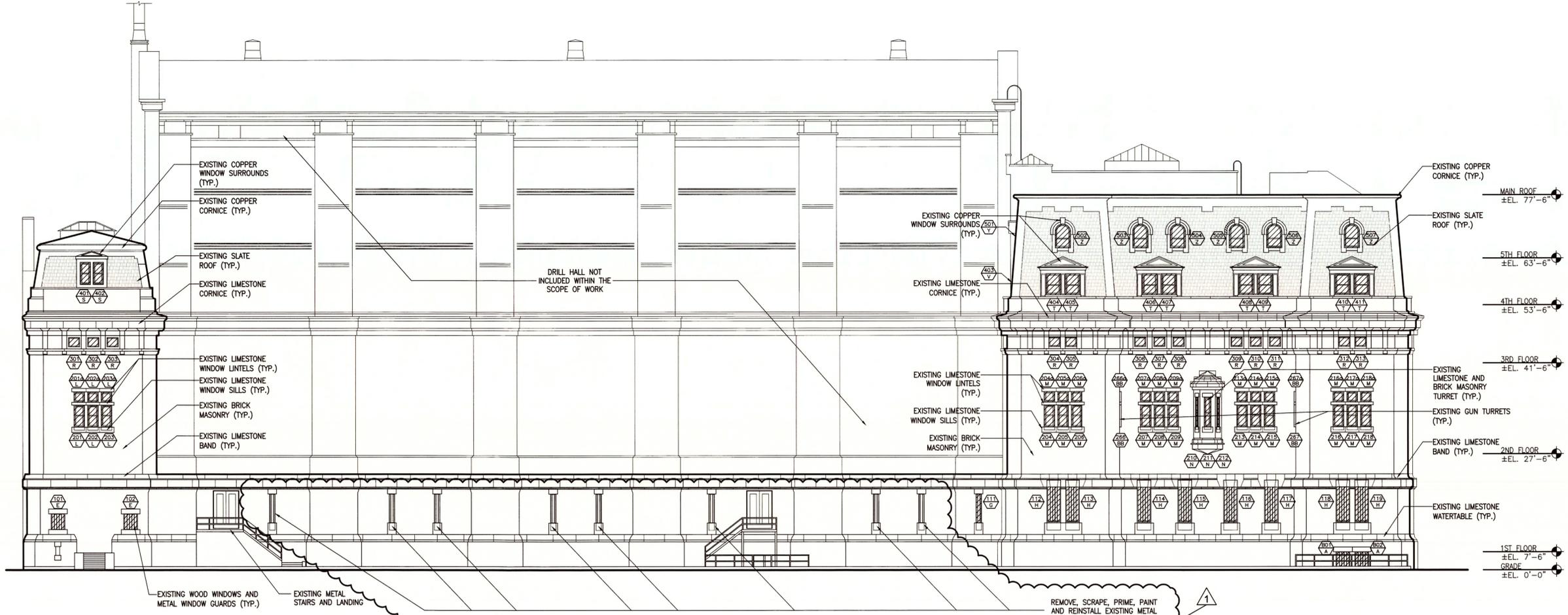


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CONSTRUCTION

CONTRACT: **REPLACE WINDOWS**
LOCATION: **STATE ARMOY
68 LEXINGTON AVENUE
NEW YORK, NY 10098**
CLIENT: **DIVISION OF MILITARY
AND NAVAL AFFAIRS**



1
A-203 SOUTH ELEVATION (EAST 25TH STREET)
SCALE: 1/16" = 1'-0"

WINDOW REPLACEMENT LEGEND:

- ▨ WINDOWS TO BE REMOVED AND REPLACED. SEE SCHEDULES ON A-501 AND A-502.
- ⬠ WINDOW NUMBER
- ⬡ WINDOW TYPE

BASE BID:

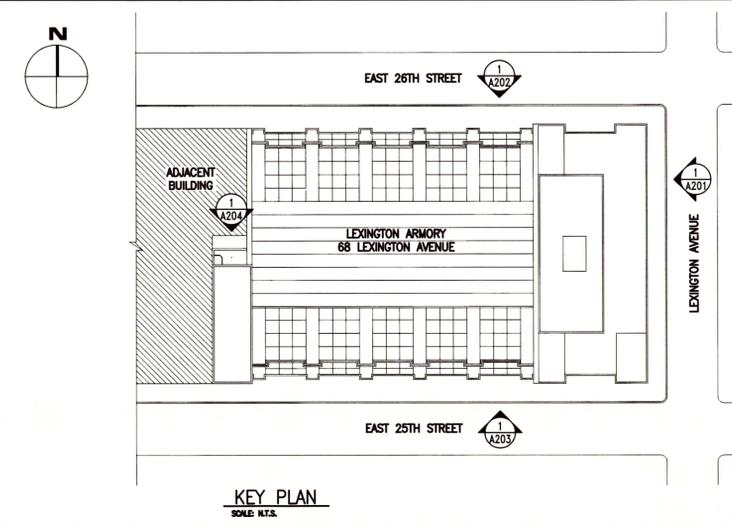
REMOVE AND REPLACE ALL WINDOWS ON THE EAST ELEVATION (LEXINGTON AVENUE), NORTH ELEVATION (EAST 26TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, SOUTH ELEVATION (EAST 25TH STREET) INCLUDING RETURNS ON THE EAST AND WEST, AND WEST ELEVATION (FACING DRILL HALL).

ALTERNATE #1:

REMOVE AND REPLACE ALL WINDOWS ON THE WEST COURTYARD ELEVATION.

NOTES:

SOME EXISTING MATERIALS TO BE REMOVED OR THAT MAY BE DISTURBED BY THESE ACTIVITIES MAY CONTAIN HAZARDOUS CONTENT THAT WILL REQUIRE ABATEMENT.



PROJECT NUMBER:	44544-C	
DESIGNED BY:	KRW/WH	
DRAWN BY:	KRW/DP/KLS/MM/CS/WH	
FIELD CHECK:		
APPROVED:	CAH	
SHEET TITLE:	SOUTH ELEVATION (EAST 25TH STREET)	
DRAWING NUMBER:	A-203	
SHEET	11	OF 43

WINDOW SCHEDULE									
WINDOW TAG	TYPE	ELEV.	MATERIAL	WINDOW DESCRIPTION		WINDOW DETAILS		SCHEDULE NOTES	INTERIOR FINISH
				WIDTH	HEIGHT	HEAD/SILL	JAMB		
THIRD FLOOR									
301	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
302	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
303	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
304	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
305	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
306	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4,12	PLASTER
307	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4,12	PLASTER
308	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4,12	PLASTER
309	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
310	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
311	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
312	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
313	R	S	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
314	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4,13	PLASTER
315	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
316	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
317	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
318	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
319	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
320	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
321	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
322	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
323	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
324	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
325	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
326	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
327	R	E	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4,13	PLASTER
328	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
329	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
330	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
331	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
332	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
333	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
334	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
335	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
336	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
337	R	N	WOOD	±2'-4"	±2'-3"	4/A515	6/A515	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
338	Q	W	WOOD	±2'-8"	±7'-4"	4/A514	6/A514	SEE SCHEDULE NOTES: 1,2,3,4,8	PLASTER
339	Q	W	WOOD	±2'-8"	±7'-4"	4/A514	6/A514	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER
340	Q	W	WOOD	±2'-8"	±7'-4"	4/A514	6/A514	SEE SCHEDULE NOTES: 1,2,3,4	PLASTER

WINDOW SCHEDULE									
WINDOW TAG	TYPE	ELEV.	MATERIAL	WINDOW DESCRIPTION		WINDOW DETAILS		SCHEDULE NOTES	INTERIOR FINISH
				WIDTH	HEIGHT	HEAD/SILL	JAMB		
FIFTH FLOOR									
501	Y	S	WOOD	±2'-7"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,11	PLASTER
502	Z	S	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER
503	Z	S	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
504	Z	S	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER
505	Z	S	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
506	Z	S	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,8,11	PLASTER
507	Z	S	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
508	Z	S	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER
509	Z	S	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
510	AA	S	WOOD	±1'-11"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,7,13	PLASTER
511	Z	S	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	V.I.F.
512	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	V.I.F.
513	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	V.I.F.
514	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	V.I.F.
515	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	V.I.F.
516	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	V.I.F.
517	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	V.I.F.
518	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	V.I.F.
519	AA	E	WOOD	±1'-11"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
520	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER
521	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER
522	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
523	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
524	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
525	Z	E	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER
526	Z	N	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
527	Z	N	WOOD	±3'-1"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
528	Y	N	WOOD	±2'-7"	±5'-11"	5/A519	6/A519	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER

WINDOW SCHEDULE NOTES:

1. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION.

2. REMOVE AND RESTORE EXISTING ADJACENT FINISHES AS REQUIRED TO PERFORM WORK.

- FOR BRICK FINISHES SEE DETAIL 2/A-521
- FOR PLASTER FINISHES SEE DETAIL 1/A-521
- FOR TILE FINISHES SEE DETAIL 3/A-521

3. REMOVE, PACK, TEMPORARILY STORE AND REINSTALL EXISTING WINDOW TREATMENTS AND TREATMENT ACCESSORIES ON PREMISES AS DIRECTED BY OWNER.

4. PROVIDE TEMPORARY PROTECTION FOR ALL ADJACENT FIXTURES, FURNISHINGS AND EQUIPMENT WHILE WORK IS BEING PERFORMED.

5. REMOVE, SCRAPE, PRIME, PAINT AND REINSTALL ALL EXISTING METAL WINDOW GUARDS. SEE DETAILS 3, 4, A520, A520

6. CUT AND HEM EXISTING COPPER CLADDING AND PROVIDE PRE-PATINATED COPPER RECEIVERS AT COPPER WINDOW SURROUNDS. SEE DETAILS 1, 2, A520, A520

7. EXISTING STAIRS AND LANDINGS SHALL REMAIN CLEAR AT ALL TIMES WHILE WORK IS BEING PERFORMED.

8. REMOVE, TEMPORARILY STORE AND REINSTALL EXISTING AIR CONDITIONING UNIT AND ALL ASSOCIATED ELECTRICAL COMPONENTS AS REQUIRED FOR WINDOW REMOVAL AND REPLACEMENT. PROVIDE INSULATED PANEL AT LOCATION OF REINSTALLED UNIT. PROVIDE AIR CONDITIONING UNIT SLEEVE OR SUPPORT.

9. REMOVE AND REPLACE EXISTING EXTERIOR METAL SCREENS.

10. REMOVE, TEMPORARILY STORE AND REINSTALL EXISTING EXTERIOR METAL SIDEWALK GRATING TO REPLACE EXISTING WINDOW.

11. REMOVE, TEMPORARILY STORE AND REINSTALL EXISTING EXTERIOR METAL LOUVER, FAN UNIT AND ALL ASSOCIATED ELECTRICAL COMPONENTS TO REPLACE EXISTING WINDOW. PROVIDE INSULATED PANEL AT LOCATION OF REINSTALLED UNIT.

12. REMOVE, TEMPORARILY STORE AND REINSTALL EXISTING MECHANICAL EQUIPMENT, BRACING, PIPING AND/OR VENTS TO ALLOW FOR THE WINDOW REMOVAL AND REPLACEMENT. PROVIDE INSULATED PANEL AT LOCATION OF REINSTALLED UNIT.

13. REMOVE, TEMPORARILY STORE AND REINSTALL EXISTING OPERABLE INTERIOR METAL CHAIN LINK PROTECTION.

14. REMOVE, TEMPORARILY STORE AND REINSTALL EXISTING INTERIOR WOOD SHUTTERS AS REQUIRED FOR WINDOW REMOVAL AND REPLACEMENT.

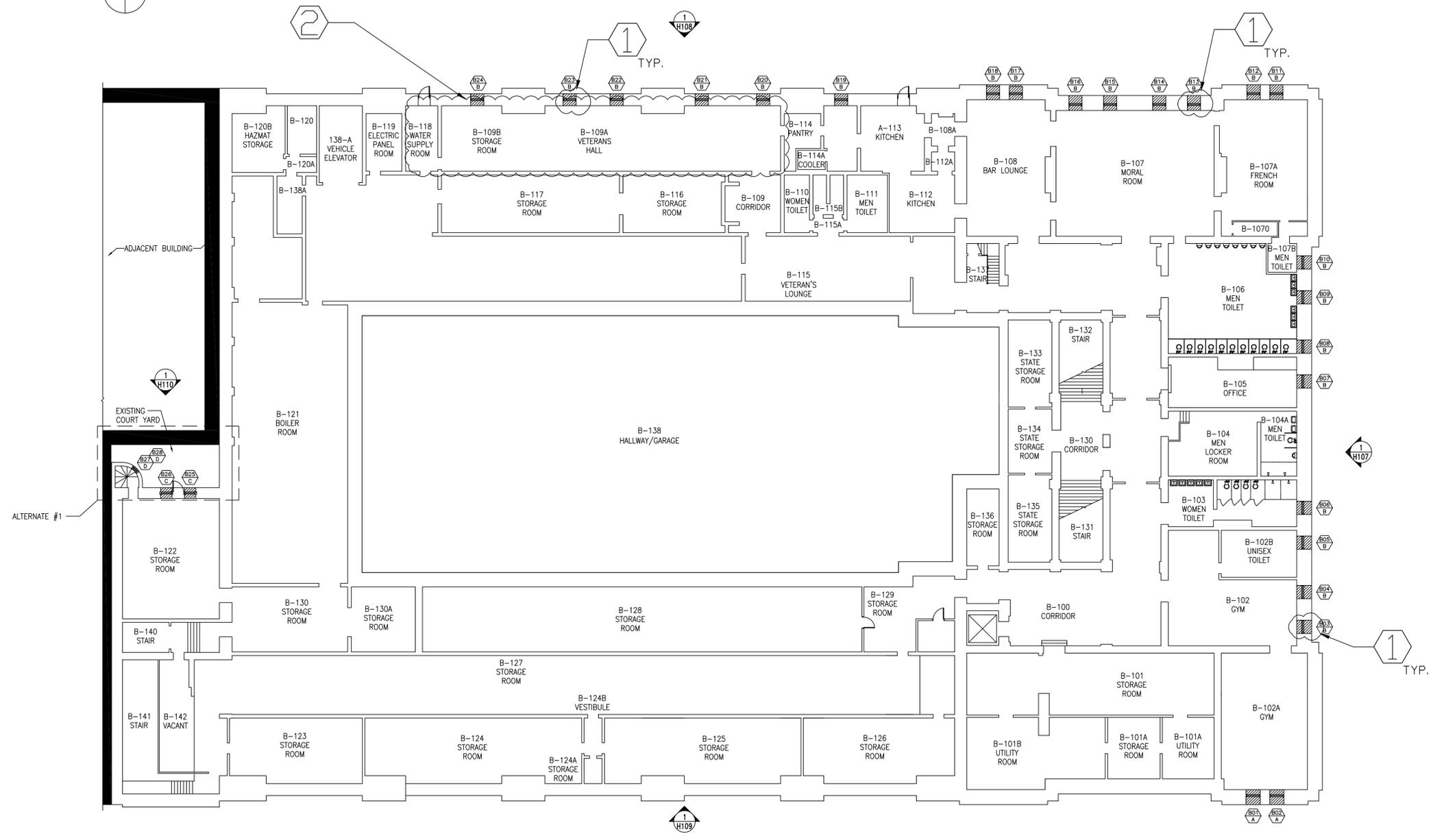
15. REMOVE AND RESTORE EXISTING EXTERIOR MASONRY ENCLOSURE AS REQUIRED FOR WINDOW REMOVAL AND REPLACEMENT.

16. REMOVE AND RESTORE EXISTING INTERIOR WALL CLOSURE AS REQUIRED FOR WINDOW REMOVAL AND REPLACEMENT.

17. REMOVE AND RESTORE EXISTING SOFFIT ENCLOSURE AND/OR DROP CEILING AS REQUIRED FOR WINDOW REMOVAL AND REPLACEMENT.

18. PROVIDE PATTERNED PRIVACY GLAZING AT INTERIOR PANE TO MATCH CUSTOM TEXTURE OF EXISTING.

WINDOW SCHEDULE									
WINDOW TAG	TYPE	ELEV.	MATERIAL	WINDOW DESCRIPTION		WINDOW DETAILS		SCHEDULE NOTES	INTERIOR FINISH
				WIDTH	HEIGHT	HEAD/SILL	JAMB		
FOURTH FLOOR									
401	S	S	WOOD	±2'-3"	±5'-0"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
402	S	S	WOOD	±2'-3"	±5'-0"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
403	V	S	WOOD**	±2'-2 1/2"	±3'-2 1/2"	5/A517	6/A517	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
404	T	S	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
405	T	S	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
406	T	S	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER/WOOD
407	T	S	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8,11	PLASTER/WOOD
408	T	S	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8,11	PLASTER/WOOD
409	T	S	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER/WOOD
410	T	S	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER/WOOD
411	T	S	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER/WOOD
412	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER/WOOD
413	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER/WOOD
414	U	E	WOOD	±1'-11 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,13	PLASTER
415	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,12	PLASTER
416	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,12	PLASTER
417	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,12	PLASTER
418	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,12	PLASTER
419	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,11	PLASTER/TILE
420	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,12	PLASTER/TILE
421	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,12	PLASTER
422	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,11,12	PLASTER
423	U	E	WOOD	±1'-11 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,13	PLASTER
424	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER
425	T	E	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER
426	T	N	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
427	T	N	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
428	T	N	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER/WOOD
429	T	N	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER/WOOD
430	T	N	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER/WOOD
431	T	N	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER/WOOD
432	T	N	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6,8	PLASTER/WOOD
433	T	N	WOOD	±2'-10 1/2"	±4'-6"	5/A516	6/A516	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER/WOOD
434	V	N	WOOD**	±2'-2 1/2"	±3'-2 1/2"	5/A517	6/A517	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
435	W	W	WOOD	±2'-7"	±6'-4 1/2"	4/A514	6/A514	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
436	W	W	WOOD	±2'-7"	±6'-4 1/2"	4/A514	6/A514	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
437	W	W	WOOD	±2'-7"	±6'-4 1/2"	4/A514	6/A514	SEE SCHEDULE NOTES: 1,2,3,4,6	PLASTER
438	X	W	WOOD	±2'-6"	±6'-6"	4/A518	6/A518	SEE SCHEDULE NOTES: 1,2,3,4,6,7,14	



1 BASEMENT FLOOR ASBESTOS ABATEMENT PLAN
H-101

ASBESTOS LEGEND	
ID	DESCRIPTION
1	REMOVE ASSUMED ACM MASTIC ASSOCIATED WITH WOOD PANELS / SURROUNDS IMPACTED BY WINDOW REMOVAL. REFER TO WINDOW SCHEDULE I & II FOR SPECIFIC LOCATIONS OF WOOD PANEL FINISH.
2	REMOVE ACM ACOUSTICAL WALL PLASTER IMPACTED BY WINDOW REPLACEMENT.

NOTE: CAUTION SHALL BE TAKEN WHEN WORKING IN CLOSE PROXIMITY TO ACM / ASSUMED ACM THERMAL SYSTEMS INSULATION.



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.

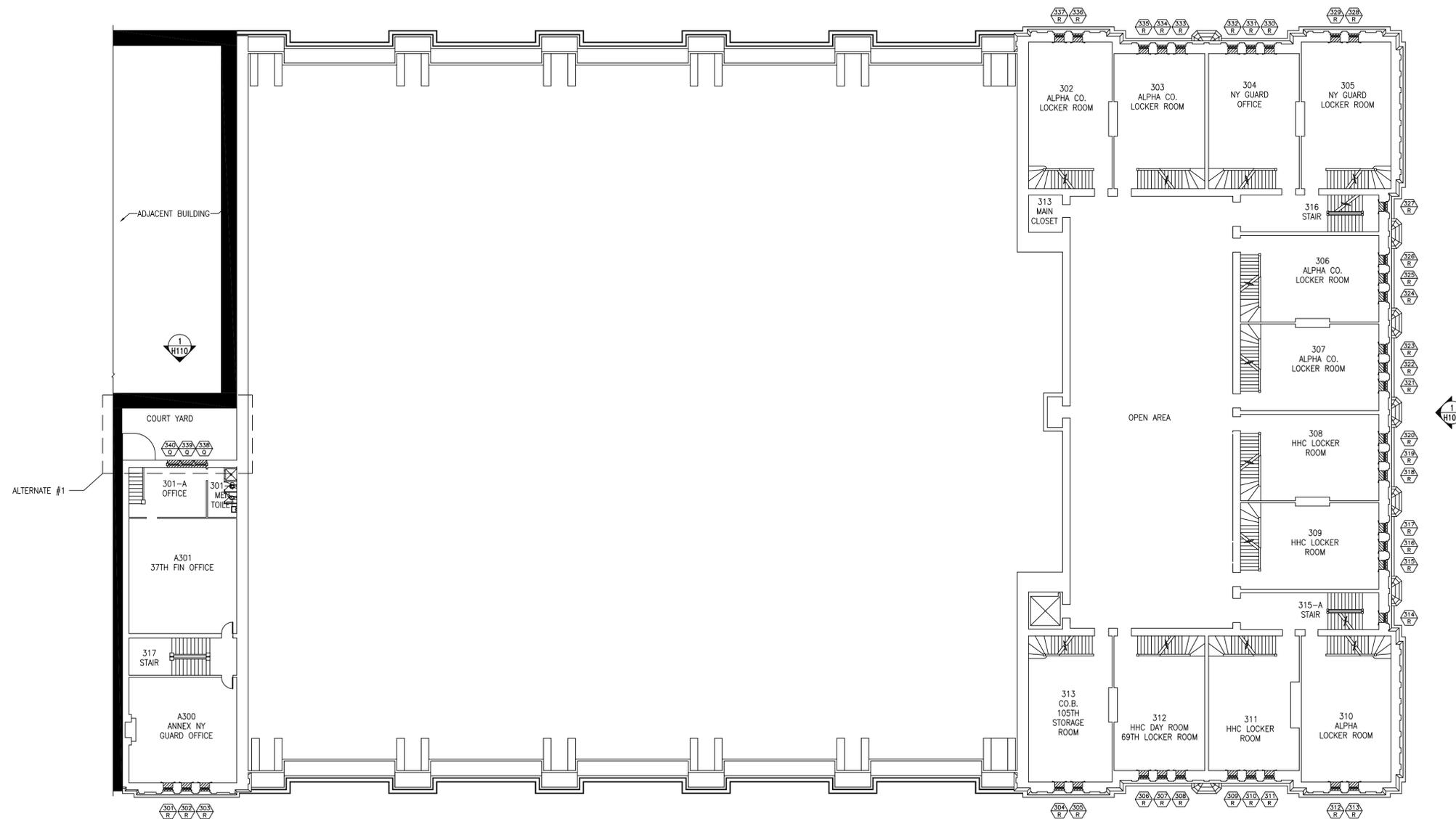
CONTRACT: **CONSTRUCTION**

TITLE: REPLACE WINDOWS

LOCATION: STATE ARMY
68 LEXINGTON AVENUE
NEW YORK, NY 10098

CLIENT: DIVISION OF MILITARY
AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
	06/03/2014	BID DOCUMENT
PROJECT NUMBER:	44544- C	
DESIGNED BY:	KB	
DRAWN BY:	MT	
FIELD CHECK:		
APPROVED:	KB	
SHEET TITLE:	BASEMENT FLOOR ASBESTOS ABATEMENT PLAN	
DRAWING NUMBER:	H-101	



1 THIRD FLOOR PLAN ASBESTOS ABATEMENT PLAN
H-104

NOTE: CAUTION SHALL BE TAKEN WHEN WORKING IN CLOSE PROXIMITY TO ACM / ASSUMED ACM THERMAL SYSTEMS INSULATION.



Serving New York
ANDREW M. CUOMO
Governor
ROANN M. DESTITTO
Commissioner

CONSULTANT



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CONTRACT: CONSTRUCTION

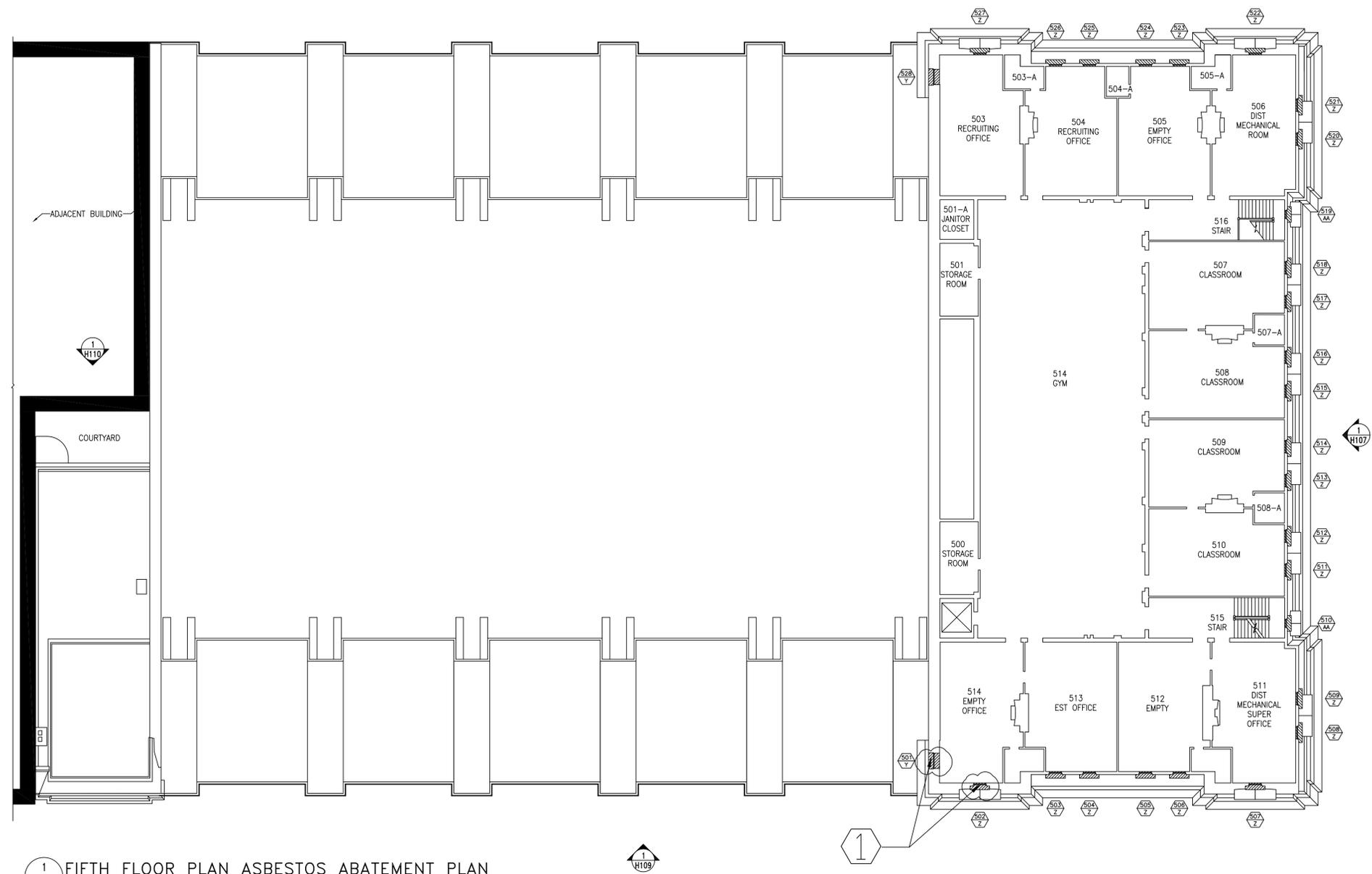
TITLE: REPLACE WINDOWS
LOCATION: STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY 10098
CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
	06/03/2014	BID DOCUMENT
PROJECT NUMBER:	44544 - C	
DESIGNED BY:	KB	
DRAWN BY:	MT	
FIELD CHECK:		
APPROVED:	KB	
SHEET TITLE:		

THIRD FLOOR ASBESTOS ABATEMENT PLAN

DRAWING NUMBER:

H-104



1 FIFTH FLOOR PLAN ASBESTOS ABATEMENT PLAN
H-106

ASBESTOS LEGEND	
ID	DESCRIPTION
1	REMOVE ACM WINDOW FRAME CAULKING.

NOTE: CAUTION SHALL BE TAKEN WHEN WORKING IN CLOSE PROXIMITY TO ACM / ASSUMED ACM THERMAL SYSTEMS INSULATION.

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TITLE: REPLACE WINDOWS

LOCATION: STATE ARMY
68 LEXINGTON AVENUE
NEW YORK, NY 10098

CLIENT: DIVISION OF MILITARY
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	06/03/2014	BID DOCUMENT
PROJECT NUMBER:	44544 - C	
DESIGNED BY:	KB	
DRAWN BY:	MT	
FIELD CHECK:		
APPROVED:	KB	
SHEET TITLE:		

FIFTH FLOOR
ASBESTOS ABATEMENT PLAN

DRAWING NUMBER:
H-106



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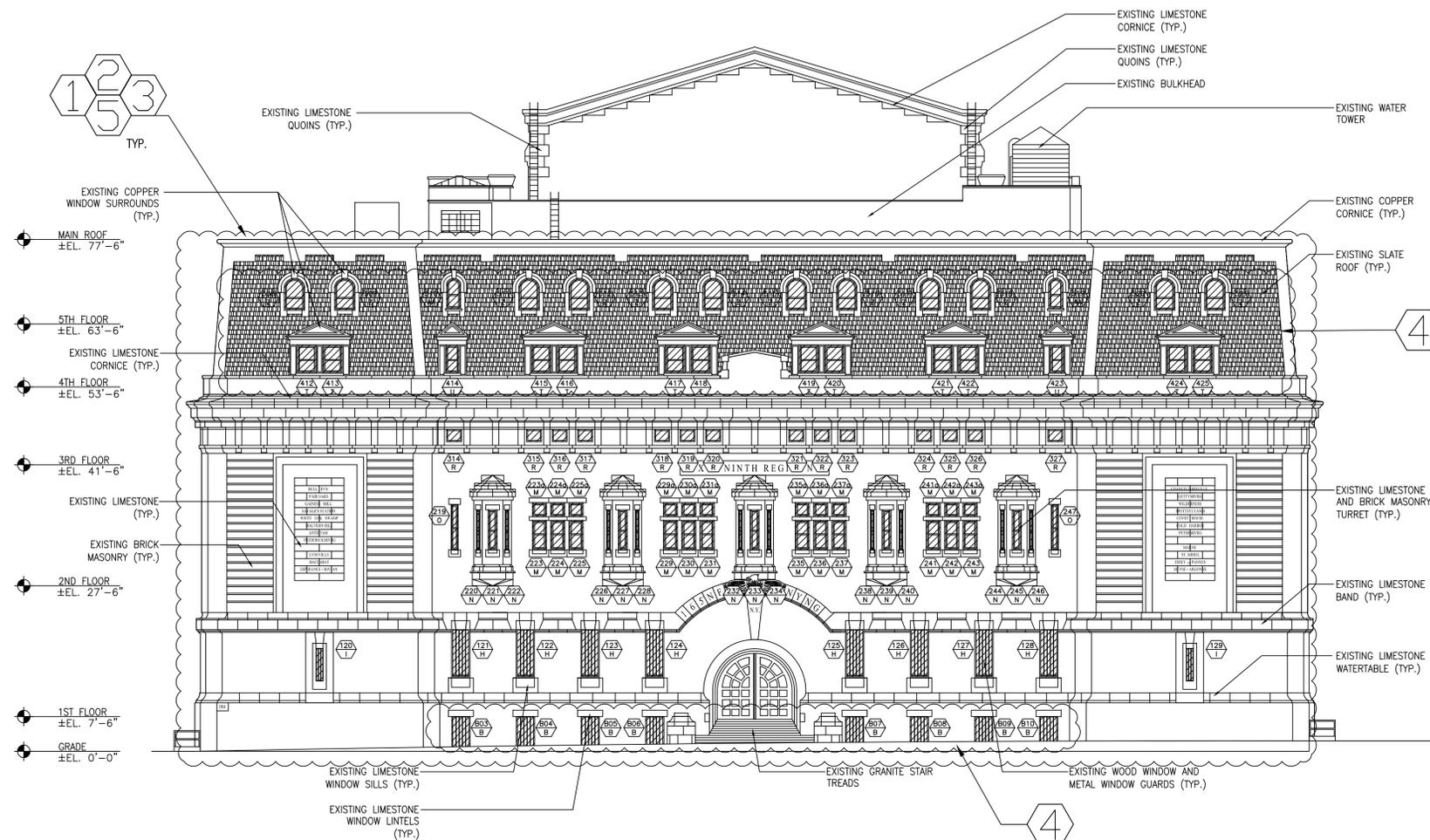
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CONTRACT: **CONSTRUCTION**

TITLE: REPLACE WINDOWS

LOCATION: STATE ARMY
68 LEXINGTON AVENUE
NEW YORK, NY 10098

CLIENT: DIVISION OF MILITARY
AND NAVAL AFFAIRS



1 EAST ELEVATION (LEXINGTON AVENUE) ASBESTOS ABATEMENT PLAN

H-107

ASBESTOS LEGEND	
ID	DESCRIPTION
1	REMOVE ACM WINDOW FRAME CAULKING.
2	REMOVE ASSUMED ACM CONCEALED CAULKING, MASTIC & TAR BETWEEN WINDOW FRAMES AND MASONRY OPENINGS.
3	REMOVE ASSUMED ACM WINDOW LINTEL CAULKING, FABRIC FLASHING, MASTIC, TAR, PAINT & RUST INHIBITOR MATERIALS.
4	REMOVE ACM AND/OR ASSUMED ACM GREEN WINDOW FRAME PAINT.
5	REMOVE ASSUMED ACM MASONRY BACK UP MORTAR / WATERPROOFING MATERIALS IMPACTED BY WINDOW REPLACEMENT.



EAST ELEVATION
(LEXINGTON AVENUE)
ASBESTOS ABATEMENT PLAN

DRAWING NUMBER:

H-107

CONSULTANT



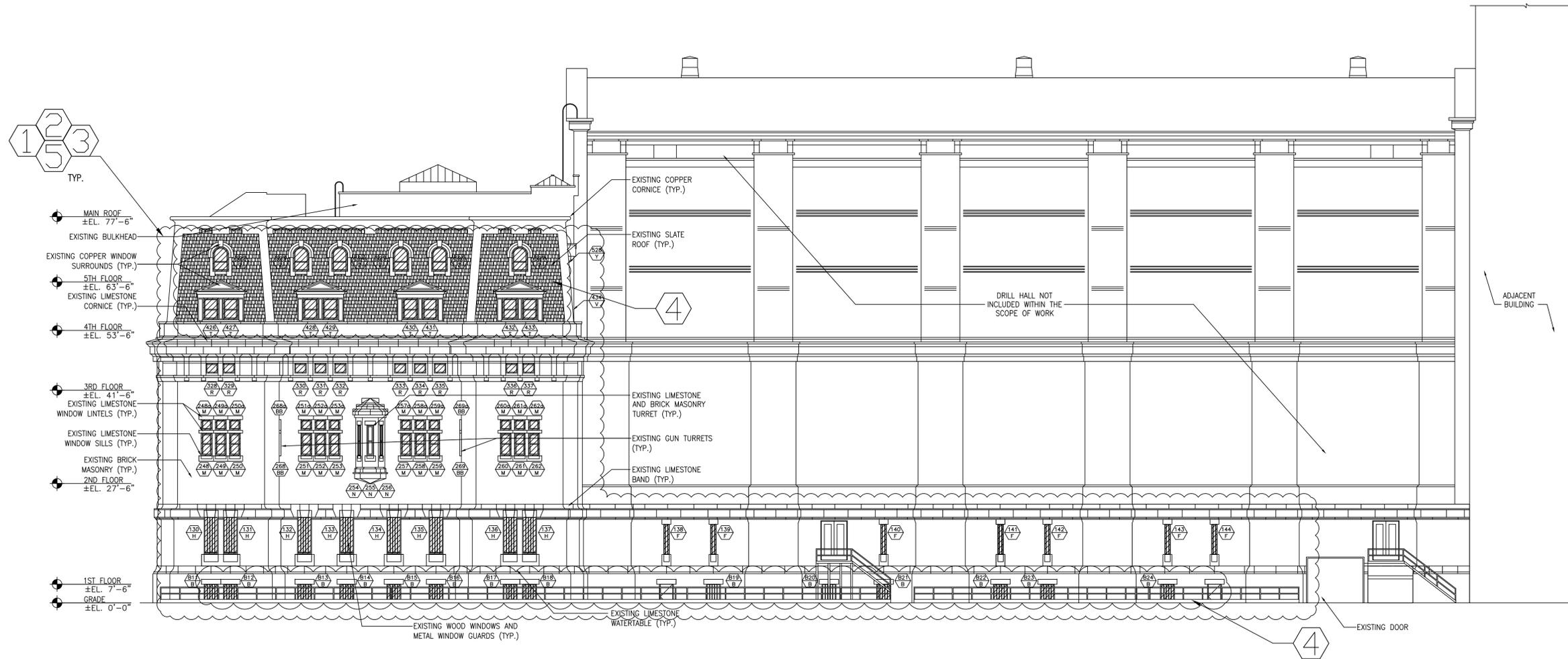
WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A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

CONTRACT: **CONSTRUCTION**

TITLE: REPLACE WINDOWS

LOCATION: STATE ARMY
68 LEXINGTON AVENUE
NEW YORK, NY 10098

CLIENT: DIVISION OF MILITARY
AND NAVAL AFFAIRS



1 NORTH ELEVATION (EAST 26TH STREET) ASBESTOS ABATEMENT PLAN
H-108

ID	DESCRIPTION
①	REMOVE ACM WINDOW FRAME CAULKING.
②	REMOVE ASSUMED ACM CONCEALED CAULKING, MASTIC & TAR BETWEEN WINDOW FRAMES AND MASONRY OPENINGS.
③	REMOVE ASSUMED ACM WINDOW LINTEL CAULKING, FABRIC FLASHING, MASTIC, TAR, PAINT & RUST INHIBITOR MATERIALS.
④	REMOVE ACM AND/OR ASSUMED ACM GREEN WINDOW FRAME PAINT.
⑤	REMOVE ASSUMED ACM MASONRY BACK UP MORTAR / WATERPROOFING MATERIALS IMPACTED BY WINDOW REPLACEMENT.



NORTH ELEVATION
(EAST 26TH STREET)
ASBESTOS ABATEMENT PLAN

DRAWING NUMBER:
H-108

CONSULTANT



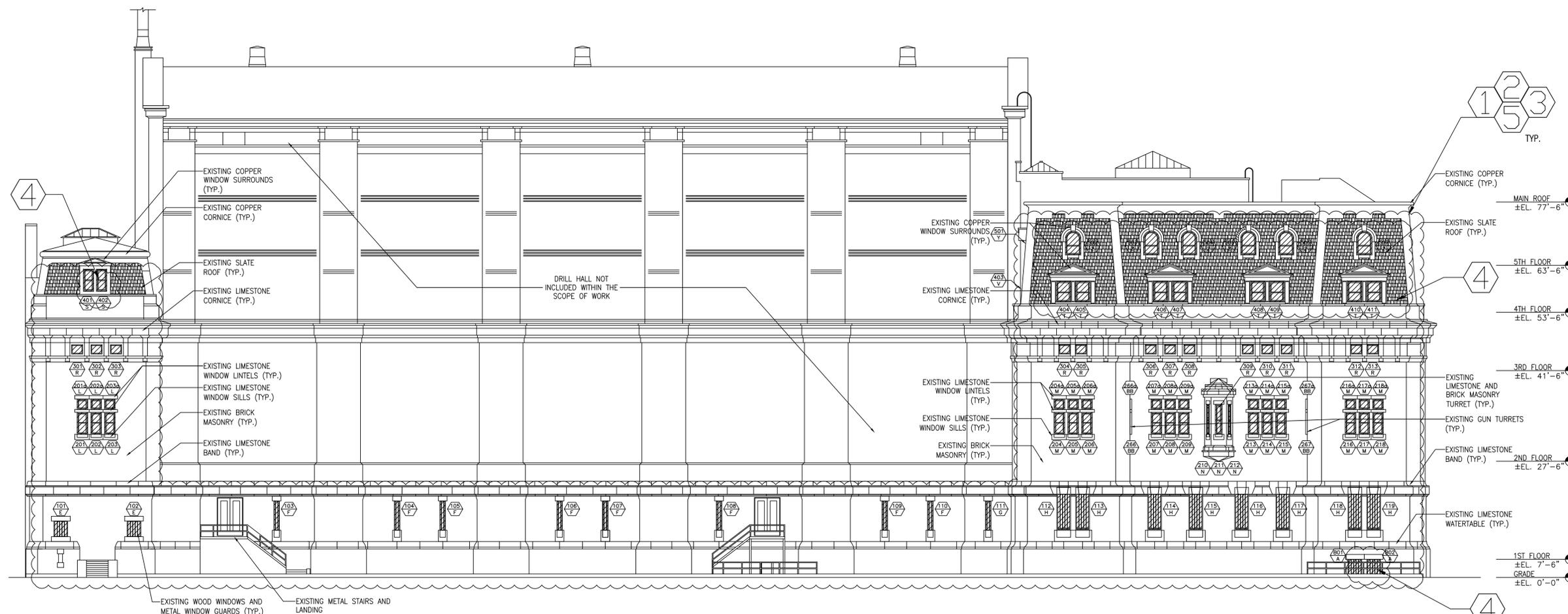
WARNING:
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CONTRACT: **CONSTRUCTION**

TITLE: **REPLACE WINDOWS**

LOCATION: **STATE ARMY
68 LEXINGTON AVENUE
NEW YORK, NY 10098**

CLIENT: **DIVISION OF MILITARY
AND NAVAL AFFAIRS**



1 SOUTH ELEVATION (EAST 25TH STREET) ASBESTOS ABATEMENT PLAN
H-109

ASBESTOS LEGEND	
ID	DESCRIPTION
①	REMOVE ACM WINDOW FRAME CAULKING.
②	REMOVE ASSUMED ACM CONCEALED CAULKING, MASTIC & TAR BETWEEN WINDOW FRAMES AND MASONRY OPENINGS.
③	REMOVE ASSUMED ACM WINDOW LINTEL CAULKING, FABRIC FLASHING, MASTIC, TAR, PAINT & RUST INHIBITOR MATERIALS.
④	REMOVE ACM AND/OR ASSUMED ACM GREEN WINDOW FRAME PAINT.
⑤	REMOVE ASSUMED ACM MASONRY BACK UP MORTAR / WATERPROOFING MATERIALS IMPACTED BY WINDOW REPLACEMENT.



MARK	DATE	DESCRIPTION
	06/03/2014	BID DOCUMENT
PROJECT NUMBER:	44544 - C	
DESIGNED BY:	KB	
DRAWN BY:	MT	
FIELD CHECK:		
APPROVED:	KB	
SHEET TITLE:		
SOUTH ELEVATION (EAST 25TH STREET) ASBESTOS ABATEMENT PLAN		
DRAWING NUMBER:		
H-109		
SHEET 42 OF 43		

CONSULTANT



WARNING:

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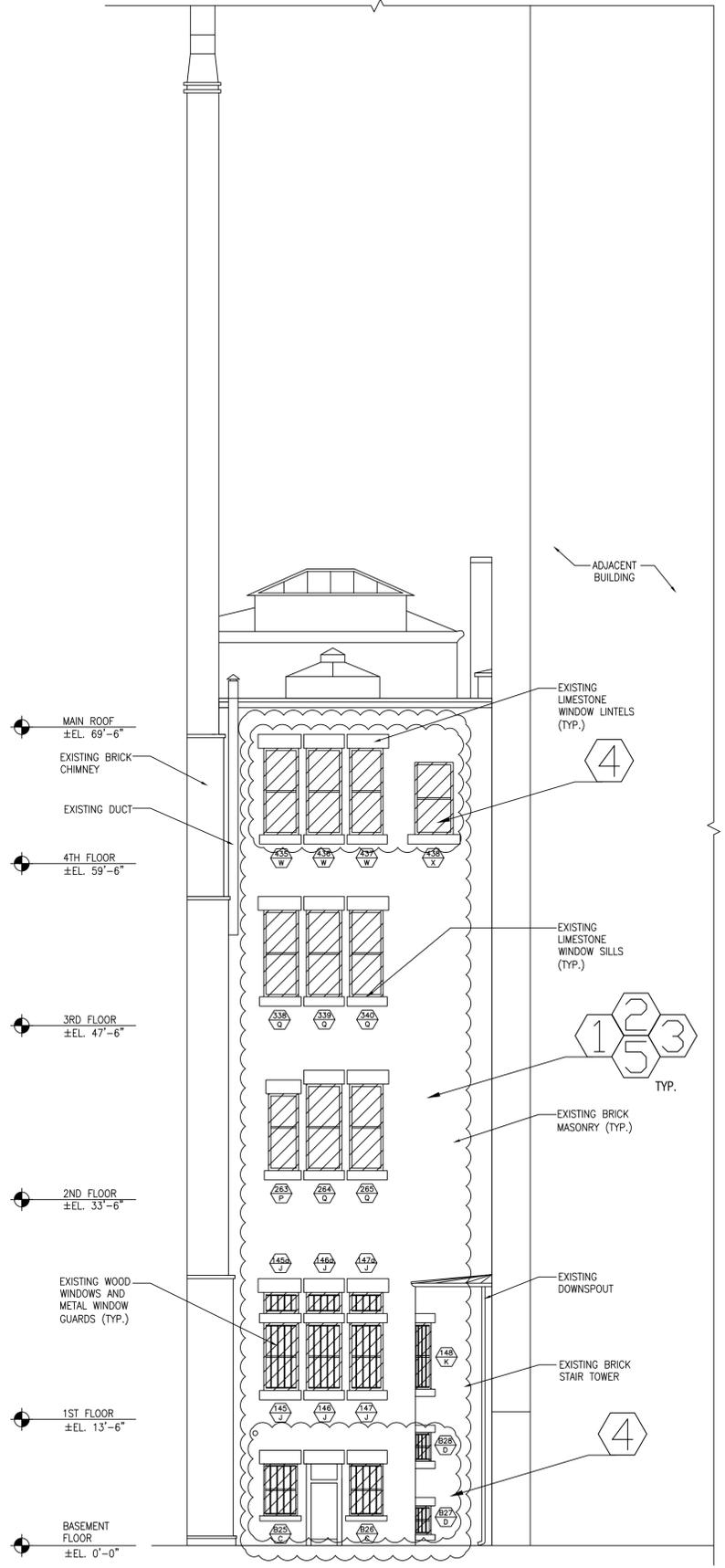
CONTRACT: CONSTRUCTION

TITLE: REPLACE WINDOWS
LOCATION: STATE ARMOY
68 LEXINGTON AVENUE
NEW YORK, NY 10098
CLIENT: DIVISION OF MILITARY
AND NAVAL AFFAIRS

MARK	DATE	DESCRIPTION
	06/03/2014	BID DOCUMENT
PROJECT NUMBER:	44544 - C	
DESIGNED BY:	KB	
DRAWN BY:	MT	
FIELD CHECK:		
APPROVED:	KB	

WEST COURTYARD
ELEVATION
ASBESTOS ABATEMENT PLAN

DRAWING NUMBER:
H-110



ID	DESCRIPTION
1	REMOVE ACM WINDOW FRAME CAULKING.
2	REMOVE ASSUMED ACM CONCEALED CAULKING, MASTIC & TAR BETWEEN WINDOW FRAMES AND MASONRY OPENINGS.
3	REMOVE ASSUMED ACM WINDOW LINTEL CAULKING, FABRIC FLASHING, MASTIC, TAR, PAINT & RUST INHIBITOR MATERIALS.
4	REMOVE ACM AND/OR ASSUMED ACM GREEN WINDOW FRAME PAINT.
5	REMOVE ASSUMED ACM MASONRY BACK UP MORTAR / WATERPROOFING MATERIALS IMPACTED BY WINDOW REPLACEMENT.

1 H-110 COURTYARD-NORTH FACING ELEVATION ASBESTOS ABATEMENT PLAN



PROJECT NO.44544-C

REPLACE WINDOWS

**STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY 10098**

July 13, 2016

CLIENT: Division of Military and Naval Affairs

PROJECT TEAM LEADER: Mark Houghtaling

ASBESTOS PROJECT DESIGNER: Kurt Bruno

Designers Name and Signature: Kurt Bruno

Firm's Name: New York Environmental

DOL Certification Number: 91-01492

PREPARED BY



Hoffmann Architects, Inc.
1040 Avenue of the Americas
Suite 14C
New York, NY 10018

PREPARED FOR

State of New York
Office of General Services
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The Governor Nelson A. Rockefeller
Empire State Plaza
Albany, NY 12242
Phone (518) 474-0203
FAX (518) 473-7862



NOTE:....THE OFFICE OF GENERAL SERVICES REQUIRES GOOD FAITH EFFORTS ON THE PART OF ITS CONTRACTORS TO SOLICIT AND OBTAIN THE PARTICIPATION OF MINORITIES AND WOMEN AS SUBCONTRACTORS, AND EMPLOYEES IN ITS PROGRAMS.



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

ADDENDUM NO. 1 TO PROJECT NO. 44544

**CONSTRUCTION WORK
REPLACE WINDOWS
STATE ARMORY
68 LEXINGTON AVENUE
NEW YORK, NY 10098**

August 17, 2016

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.

INTRODUCTORY INFORMATION

1. DOCUMENT 000101 TITLE PAGE (COVER):
 - a. Delete the 100% SUBMISSION COPY stamp and associated text at the right hand margin of this document.
2. DOCUMENT 000105 CERTIFICATION PAGE:
 - b. Discard the Section bound in the Project Manual and substitute the accompanying Section dated 7/13/2016.

SPECIFICATIONS

3. SECTION 011000 SUMMARY OF WORK:
 - a. Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 011000-1 thru 011000-7 dated 8/12/2016.
4. SECTION 085200 GLASS AND GLAZING:
 - a. Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 085200-1 thru 085200-12 dated 8/12/2016.
5. SECTION 088100 GLASS AND GLAZING:
 - a. Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 088100-1 thru 088100-7 dated 8/12/2016.
6. SECTION 099101 GLASS AND GLAZING:
 - a. Discard the Section bound in the Project Manual and substitute the accompanying Section (pages 099101-1 thru 099101-6 dated 8/12/2016.

7. SCHEDULE OF SUBMITTALS:

- a. Discard the Schedule Of Submittals bound in the Project Manual and substitute the accompanying Section (pages 1 thru 7 dated 8/12/2016).

DRAWINGS

8. Revised Drawing:

- a. Drawing No. G-002, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

9. Revised Drawing:

- a. Drawing No. A-101, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

10. Revised Drawing:

- a. Drawing No. A-102, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

11. Revised Drawing:

- a. Drawing No. A-103, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

12. Revised Drawing:

- a. Drawing No. A-104, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

13. Revised Drawing:

- a. Drawing No. A-105, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

14. Revised Drawing:

- a. Drawing No. A-106, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

15. Revised Drawing:

- a. Drawing No. A-201, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

16. Revised Drawing:

- a. Drawing No. A-202, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

17. Revised Drawing:

- a. Drawing No. A-203, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

18. Revised Drawing:

- a. Drawing No. A-204, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

19. Revised Drawing:

- a. Drawing No. A-501, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

20. Revised Drawing:

- a. Drawing No. A-502, dated 8/12/2016 accompanies this Addendum and supersedes the same numbered originally issued drawing.

21. Revised Drawings:

- b. Drawing Nos. H-101 through H-110, accompanies this Addendum and supersedes the same numbered originally issued drawings. Engineers Stamp and signature were added to the original drawings.

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction