



Office of General Services

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

ADDENDUM NO. 2 TO PROJECT NO. Q1868

CONSTRUCTION, HVAC, AND ELECTRICAL WORK ABATE/REPLACE FLOORING & CEILINGS BUILDING 2 AND BUILDING 21 GREENHAVEN CORRECTIONAL FACILITY ROUTE 216 STORMVILLE, NY

August 21, 2026

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.
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CONSTRUCTION WORK SPECIFICATIONS

1. SECTION 087100 FINISH HARDWARE: Discard the Section bound in the Project Manual and substitute with the accompanying Section (pages 087100 – 1 thru 087100 – 9) noted “Revised 8/21/2026”.

END OF ADDENDUM

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

SECTION 087100

FINISH HARDWARE

PART 1 GENERAL

1.01 RELATED WORK IN OTHER SECTIONS

- A. Detention Locksets: Section 11190 Detention Equipment.

1.02 REFERENCES

- A. NFPA 80 Standard for Fire Doors and Other Opening Protectives (2016).
- B. NFPA 101 Life Safety Code (2015).
- C. New York State Uniform Fire Prevention and Building Code (As adopted by New York State in March, 2016).
- D. ICC/ANSI A117.1-2009 Accessible and Usable Buildings and Facilities.
- E. ANSI/BHMA Standard A156.1 Butts and Hinges (2013).
- F. ANSI/BHMA Standard A156.4 Door Controls – Closers (2013).
- G. ANSI/BHMA Standard A156.6 Architectural Door Trim (2015).
- H. ANSI/BHMA Standard A156.7 Template Hinge Dimensions (2016).
- I. ANSI/BHMA Standard A156.8 Door Controls – Overhead Stops and Holders (2015).
- J. ANSI/BHMA Standard A156.13 Mortise Locks (2012).
- K. ANSI/BHMA Standard A156.16 Auxiliary Hardware (2013).
- L. ANSI/BHMA Standard A156.18 Materials and Finishes (2016).
- M. ANSI/BHMA Standard A156.22 Door Gasketing and Edge Seal Systems (2012).
- N. ANSI/BHMA Standard A156.26 Continuous Hinges (2012).
- O. DHI - Door and Hardware Institute.
- P. NAAM Standard HMMA 800-96 Introduction to Custom Hollow Metal.
- Q. NAAM Standard HMMA 831-11 Hardware Locations for Hollow Metal Doors and Frames.
- R. Americans with Disabilities Act State and Local Governments (Title II) (2010).

1.03 DEFINITIONS

- A. Architectural Hardware Consultant (AHC): A Door and Hardware Institute certified expert in complex architectural openings requiring advanced knowledge of model building codes and safety standards, ADA requirements, access control knowledge and installation expertise.
- B. Architectural Hardware Distributor: A company that regularly purchases architectural hardware from manufacturers and specializes in the sale, service and support of that hardware to contractors and/or end users.
- C. Company Field Advisor(s): Hardware manufacturers' representatives, not distributor employees, who are certified in writing by manufacturer to be technically qualified in design, installation, and servicing of products.
- D. Installation Supervisor: Designated supervisor/installer, who has a minimum three years experience in finish hardware installation and is qualified and responsible to ensure approved finish hardware is installed, adjusted, and operates properly.

1.04 SUBMITTALS

- A. Waiver of Submittals: The Waiver of Certain Submittal Requirements in Section 013300 does not apply to this Section.
- B. Re-Evaluation Fee: In accordance with the General Conditions 07213 Article 4.7.
- C. Submittal Package Cover Sheets: The Hardware Distributor shall provide a cover sheet, which identifies each package by:
 - 1. OGS project number.
 - 2. Project name.
 - 3. Facility name and location.
 - 4. Submittal Package name.
 - 5. Specification section name and number.
 - 6. Construction Contractor's company name, address, e-mail address, and telephone number.
 - 7. Finish Hardware Distributor's company name, address, e-mail address, and telephone number.
 - 8. Certified Architectural Hardware Consultant's name, company name, address, e-mail address, and telephone number.
 - 9. Submittal Date.
- D. Submittal Packages
 - 1. Quality Control Package: Do not submit balance of packages until this package is approved.
 - a. Architectural Hardware Consultant Data:
 - 1) Provide name, business address, and telephone number of DHI certified Architectural Hardware Consultant.

- 2) Submit photocopy of Door and Hardware Institute's certificate demonstrating individual is an Architectural Hardware Consultant.
- b. Installer's Qualification Data:
 - 1) Name of each installer performing Work, and employer's name, business address and telephone number.
 - 2) Names and addresses and contact information of physical plant managers for 3 facilities, similar to this project, on which each installer has worked on during past 2 years.
2. Finish Hardware Package:
 - a. Finish Hardware Schedule: Use vertical format and indicate finish hardware items, both mechanical and electrical in one document, required to complete Work of this section. Submit Hardware Schedule that includes complete hardware sets for each door and frame shown on Door Schedule.
 - 1) Preface schedule with following:
 - a) Certified Architectural Hardware Consultant's statement of preparation of/or certification of, Finish Hardware Schedule.
 - b) Index.
 - c) List of manufacturers.
 - d) List of finishes.
 - e) Explanation of abbreviations.
 - f) Keying instructions and key schedule.
 - 2) For each opening include the following:
 - a) Door and frame materials and dimensions.
 - b) Fire rating.
 - c) Door number, location and handing.
 - d) Degree of opening required for closer and/or overhead stop.
 - e) Installation and detailing notes.
 - 3) Under each group heading, list hardware items in detail, required for ordering. For each hardware item include:
 - a) Type (Hinges).
 - b) Quantity (Hinges 3ea).
 - c) Manufacturers' name (Hinges 3ea Stanley).
 - d) Catalog number (Hinges 3ea Stanley FBB199).
 - e) Size (Hinges 3ea Stanley FBB199 4 ½ x 4 ½).
 - f) Options or accessories (Hinges HTFBB199 4 ½ x 4 ½).
 - g) Finish (Hinges HTFBB199 4 ½ x 4 ½ x 630).
 - h) Fasteners (Hinges HTFBB199 4 ½ x 4 ½ x 630 x torx with center security pin).
 - i) Indicate location of protection plates: Push side or pull side.
 - j) Installation Notes, as written in this section, for each hardware group.
 - 4) Use a separate hardware group in Hardware Schedule that lists attic stock hardware items, key cabinets, key control system, special tools required to install hardware, lubricants, and Operations and Maintenance Manuals.

- b. Product Data: Submit manufacturers' catalog sheets, specifications, sizing charts, and installation instructions, for each item specified.
 - c. Samples: For each exposed product in each finish specified, in manufacturer's standard size.
 - d. Samples for Initial Selection: For each type of exposed finish.
 - e. Samples for Verification: For each type of exposed product, in each finish specified.
 - 1) Sample Size: Full-size units or minimum 2-by-4-inch Samples for sheet and 4-inch long Samples for other products.
 - 2) Full-size Samples will be returned to Contractor. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated into the Work, within limitations of keying requirements.
- 3. Closeout Submittals Package: Submit as a complete package.
 - a. Operation and Maintenance Manuals: Furnish 2 hardcover three ring binders with the project name and number displayed on the front cover and spine. Include:
 - 1) List of Manufacturers.
 - 2) Approved Finish Hardware Schedule.
 - 3) Approved Manufacturers' Product Data Sheets.
 - 4) Manufacturer's operation, installation, maintenance, and repair instructions for each type of hardware furnished.
 - 5) Templates for kind of hardware furnished.
 - 6) Parts List for each type of finish hardware furnished.
 - 7) Manufacturers' dated written warranty for each type of finish hardware furnished.
 - 8) Certifications: Written certification from Company Field Advisors that their products are installed according to manufacturers' printed installation instructions, are operating properly, and manufacturers' written warranty will be in effect upon physical completion of the Work.
 - 9) Special Tools: List of special tools required to install hardware, and their purpose.
 - b. Special Tools:
 - 1) At conclusion of finish hardware installation, turn over to Director's Representative 2 of each special tool required to install hardware together with a list of these tools and their purpose.
- 4. Field quality-control reports.
- 5. Sample Warranty: For special warranty.

1.05 TEMPLATES

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

1.06 DELIVERY AND STORAGE

- A. Coordinate delivery to avoid delay.
- B. Clearly label each item for identification and installation location as it corresponds to the approved Finish Hardware Schedule and subsequent information bulletins.
- C. Deliver hardware to the jobsite in the manufacturers' original packages complete with fasteners, parts, installation instructions, and templates required for proper installation.
- D. Inventory hardware at jobsite to identify shortages or backorders. Resolve delivery shortages and damaged items prior to installing hardware.
- E. Store finish hardware where directed by Director's Representative. Provide locked, dry storage for finish hardware.

1.07 QUALITY ASSURANCE

- A. Hardware Distributor's Qualification:
 - 1. Hardware Distributor who has been in the business of furnishing, and/ or installing finish hardware for a minimum of three years.
 - 2. Hardware Distributor shall have the DHI certified Architectural Hardware Consultant prepare and certify the Finish Hardware Submittal meets specification requirements, and the schedule is written accurately and in accordance with DHI conventions, and requirements of this specification.
- B. Company Field Advisors: Employ advisor(s) for continuous hinges, door bolts, mortise locksets, surface overhead stops, door closers, and gaskets.
- C. Installation Supervisor: Employ a qualified Installation Supervisor who will be responsible to ensure approved finished hardware is installed, adjusted and operates properly.
- D. Installers: Employ experienced finish hardware installers who have been regularly employed by a Company installing finish hardware for a minimum of 5 years.
- E. Pre-submittal Conference: Before Finish Hardware Submittals are written for submission, the Director's Representative will call a teleconference to review Finish Hardware Submittal requirements including but not limited to format, cover sheet, headings, hardware sets, level of detail, installation notes, description of operation, keying, and product data sheets. The Contractor, the Finish Hardware Distributor, the Finish Hardware Detailer, and consulting hardware designer, and OGS Designers shall attend. The OGS Finish Hardware Reviewer shall conduct the conference.
- F. On Site Pre-Installation Conference: Before finish hardware installation begins, the Director's Representative will call a conference at the site to review Finish Hardware Specifications, approved Finish Hardware Submittals, and to discuss requirements for the Work including:

1. Hardware delivery and storage.
 2. Hardware labeling by door number.
 3. Hardware locations.
 4. Potential location conflicts.
 5. Hardware installation sequence and responsibility.
 6. Required accessories and fasteners.
 7. Continuous hinge installation.
 8. Surface overhead stops and closer template and adjustments.
 9. Special tools and maintenance items.
 10. Hardware Closeout requirements.
 11. Hardware Warranties.
- G. Pre-installation Conference Attendance: The Construction Contractor, Company Field Advisors, authorized Finish Hardware Installers, and the Finish Hardware Distributor's Architectural Hardware Consultant shall attend the conference. OGS's Finish Hardware Reviewer conducts the meeting. OGS designers and facility personnel may attend. The Company Field Advisors will present installation instruction and advice.
- H. Uniformity of Hardware and Single Source Responsibility: For each kind of hardware provide product(s) of a single manufacturer.
- I. Size Variations: Manufacturers' products may vary slightly from sizes specified except where minimum size or thickness is specified.

1.08 WARRANTY

- A. Manufacturer's Warranty: Ten year minimum warranty for door closers.
- B. Manufacturer's Warranty: Three year minimum for locksets.

1.09 MAINTENANCE

- A. Special Tools: At the conclusion of finish hardware installation, turn over to Owner's Representative 1 set of each special tools required for proper installation and adjustment of hardware, together with a list of these tools and their purpose.
- B. Lubricants: Provide manufacturer's recommended lubricants for locksets and closers sufficient for 1 year of maintenance. Turn over to Director's Representative.

PART 2 PRODUCTS

2.01 ACCESSORIES

- A. Provide brackets, plates, arms, spacers, and special templates to mount door closers in combination with overhead stops and coordinators, on narrow top rails and for special ceiling and jamb conditions.
- B. Provide curved lip strikes, with wrought boxes, specific to individual lock functions. Universal strikes that fit a variety of lock functions are not acceptable.

2.02 FASTENINGS

- A. Provide fasteners that harmonize with finish hardware material and finish.
- B. Provide torx center pin security fasteners for exposed hardware, including full mortise hinges.
- C. Install fasteners provided by the approved hardware manufacturers in accordance with their written installation instructions. Drill and tap as instructed. Self-tapping or self-drilling screws are not acceptable.

2.03 MATERIALS AND FINISHES

- A. General: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of finish hardware are indicated in this section and in the Hardware Groups.
- B. Continuous Hinges
 - 1. Full height barrel-type manufactured from 14-gauge 304 stainless steel.
 - 2. .25" diameter stainless steel pins.
 - 3. Provide hinges without covers.
- C. Locks, Latches and Bolts
 - 1. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.
 - 2. Provide 3/4" minimum throw on other latch bolts.
 - 3. Provide 1" minimum throw deadbolts.
- D. Closers and Door Control Devices
 - 1. Closer bodies: Provide closer bodies with the same hole template pattern regardless of type or application.
 - 2. Closer arms: Non-handed forged steel.
 - 3. Closer size: Non-sized closers are acceptable. Factory preset to size 3 prior to shipping to jobsite
 - 4. Provide all-weather fluid.

2.04 FINISH HARDWARE

- A. Group 1:
 - 1. Hinges: 3ea – Best FBB191NRP 4 ½ x 4 ½ x x 630.
 - 2. Mortise Lockset: 1ea - Accurate Lock 9153 x 2 ¾" BS x 39L/1R x 134 x curved lip wrought box strike x torx x US4
 - 3. Mortise Lock Cylinder: 2ea – Best- Compatible with Facility's existing key system and above specified lockset x 606.
 - 5. Overhead Stop: 1ea – Glynn Johnson 814S x thru-bolt x torx with center security pin x US4.
 - 6. Closer: 1ea – LCN 4013 x SRI x torx with center security pin x 690.
 - 8. Mop Plate: 1ea – Rockwood K1062 4" x ½" LDW x B4E x CSK x 630.
- D. Furnish the following:
 - 1. 3 Key Blanks to match existing key system.
 - 2. Provide 7 cut keys per lock, stamped "Do Not Duplicate".
 - 3. Provide 7 cut master keys, stamped "Do Not Duplicate".
 - 2. 1 set Special Tools: See paragraph 1.09 A.
 - 3. Lubricants: See paragraph 1.09 B.
 - 4. 2ea Maintenance and Operations Manuals.

2.05 KEYING

- A.
 - 1. Provide factory keyed cylinders to match Facility's existing key system.
 - 2. Where lockset and cylinder are by different manufacturers, identify and furnish correct cylinder cam to operate lockset.
 - 3. Provide compression rings and spacers to achieve proper spacing relationship between cylinder and face of door.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine doors and frames and related items for conditions such as, but not limited to, incorrect handing, hardware preparation, misaligned lock and strike preparations, that would prevent proper application of finish hardware. Do not proceed until defects are corrected.
- B. Report conditions or hardware applications that are incorrect to the Director's Representative.

3.02 INSTALLATION

- A. Do not proceed with installation of finish hardware prior to attending referenced pre-installation conference.
- B. Installation Sequence: Use proper installation sequence, i.e., install coordinators, and overhead stops and holders before surface mounted door closers.
- C. Install hardware in accordance with manufacturer's printed installation instructions, and adjust for smooth operation, free of sticking, binding or rattling.
 - 1. Template surface overhead stops and holders for proper operation
 - 2. Template and adjust closers for proper operation.
- D. Use proper tools and methods to prevent scratches, burrs or other defacement.
- E. Gasket Installation:
 - 1. Install continuous stripping at each opening without unnecessary interruptions.
 - 2. Where fasteners are required, secure fasteners for stripping and seals so they will not work loose during door operation. Exposed heads of fasteners shall be free of sharp edges.
 - 3. Coordinate meeting stile gasket with hardware before installation.
 - 4. Install units plumb and level at the optimum location to maintain a permanent effective seal.
- F. After installation, cover and protect hardware to prevent damage during remaining construction. Remove protection upon completion of construction.

3.03 LOCATIONS

- A. Locate hardware as follows:

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

3.04 FIELD QUALITY CONTROL

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

END OF SECTION