



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

**ADDENDUM NO. 1 TO PROJECT NO. Q1740
CONSTRUCTION WORK, HVAC WORK, PLUMBING WORK AND ELECTRIC WORK
REHABILITATE DISHWASHING AREA,
ROOM C-100
FISHKILL CORRECTIONAL FACILITY
PROSPECT STREET
BEACON, NY**

February 1, 2019

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

CONSTRUCTION WORK SPECIFICATIONS

1. SECTION 087110 FINISH HARDWARE: Discard this specification section bound in the C-Project Manual and replace with the accompanying specification section 087100 FINISH HARDWARE, noted "Rev 02-01.19"

CONSTRUCTION WORK DRAWINGS

2. Drawing A-100, Detail K5/A-100, Add General Note: Ceiling height in Basement Area B varies between 10'-3" to 10'-10".
3. Drawing A-100, Detail K1/A-100, Change Scale to read "Not to Scale".
4. Drawing A-100, Detail K1/A-100, Add dimensions of CMU partitions and masonry opening per revised A-100.
5. Drawing A-100, Detail E3/A-101, Change 16'-8 1/2" dimension to read "33'-5".
6. Drawing A-102, add Hardware Groups to the hardware group Column in the door schedule.
 - Dr C000 - Hardware Group 3
 - Dr C112 - Hardware Group 1
 - Dr C111 - Hardware Group 1
 - Dr C113 - Hardware Group 2
 - Dr C105 - Hardware Group 1
 - Dr C106 - Hardware Group 4
7. Drawing A—102, change the Door Numbers on the right-hand side of the Door Schedule in the Door Number Column to match those on the left-hand side of the Door Schedule in the Door Number Column.

ELECTRICAL WORK DRAWINGS

8. Revised Drawing:
 - a. Drawing No. E-201 noted “REVISED DRAWING 02-01-2019” accompanies this addendum and supersedes the same numbered originally issued drawing.

END OF ADDENDUM

Erik T. Deyoe, P.E.
Director, Division of Design
Design & Construction

SECTION 087100

FINISH HARDWARE

PART 1 GENERAL

1.01 REFERENCES

- A. NFPA 80 Fire Doors and Windows
- B. NFPA 101 Life Safety Code
- C. Building Code of New York State
- D. ICC/ANSI A117.1-1998 Accessible and Usable Buildings and Facilities
- E. ANSI/BHMA Standard A156.1 Butts and Hinges
- F. ANSI/BHMA Standard A156.4 Door Controls – Closers
- G. ANSI/BHMA Standard A156.6 Architectural Door Trim
- H. ANSI/BHMA Standard A156.7 Template Hinge Dimensions
- I. ANSI/BHMA Standard A156.8 Door Controls – Overhead Stops and Holders
- J. ANSI/BHMA Standard A156.13 Mortise Locks and Latches Series 1000
- K. ANSI/BHMA Standard A156.16 Auxiliary Hardware
- L. ANSI/BHMA Standard A156.22 Door Gasketing Systems
- M. ANSI/BHMA Standard A156.26 Continuous Hinges
- N. DHI - Door and Hardware Institute
- O. NAAM Standard HMMA 800-96- Hollow Metal Manufacturers Association
- P. NAAM Standard HMMA 831-97 Recommended Hardware Locations for Custom Hollow Metal Doors and Frames.
- Q. 2010 Standards for State and Local Government Facilities: Title II

1.02 DEFINITIONS

- A. Architectural Hardware Consultant (AHC): A Door and Hardware Institute certified expert in complex architectural openings and hardware applications requiring advanced knowledge of model building codes, reference standards, safety standards, ADA requirements, access control and installation expertise.
- B. Architectural Hardware Distributor: A company that regularly purchases architectural hardware from manufacturers and specializes in the sale, service and support of that hardware to contractors and/or end users.
- C. Company Field Advisor(s): Hardware manufacturers' representatives who are certified in writing by manufacturer to be technically qualified in design, installation, and servicing of products.
- D. Installation Supervisor: Designated supervisor/installer, who has a minimum three years experience in finish hardware installation and is qualified and responsible to ensure approved finish hardware is installed, adjusted, and operates properly.

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

1.03 SUBMITTALS

- A. Attend Pre-submittal Conference prior to writing Hardware Submittals.
- B. **Waiver of Submittals:** The Waiver of Certain Submittal Requirements in Section 01330 does not apply to this Section.
- C. **Re-Evaluation Fee:** In accordance with the General Conditions 07213 Article 4.7.
- D. **Submittal Package Cover Sheets:** The Hardware Distributor shall provide a cover sheet, which identifies each package by:
 - 1. OGS project number
 - 2. OGS Project name
 - 3. Facility name and street and village, town or city 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
- E. **Submittal Packages**
 - 1. **Quality Control Package:** Do not submit balance of packages until this package is approved. Number each page, i.e., "1 of 5, 2 of 5, 3 of 5",
 - a. **Architectural Hardware Consultant (AHC) Data:**
 - 1) Provide AHC's name, company name, business address, telephone number, and e-mail address of DHI certified Architectural Hardware Consultant.
 - 2) Submit photocopy of Door and Hardware Institute's certificate demonstrating individual is an Architectural Hardware Consultant.
 - b. **Company Field Advisor (CFA) Data:**
 - 1) Provide CFA's name, company business address, and telephone number of Company Field Advisor(s) for continuous hinges, door bolts, locksets, exit devices, overhead stops, door closers, and gasketing.

- 2) List services and products for which company field advisor(s) is/are certified by manufacturer on company's letterhead.
- c. Hardware Distributor's Qualification Data:
 - 1) Provide the Finish Hardware Distributor's company name, business address, e-mail address, and telephone number.
 - 2) Provide the hardware distributor's company history, including number of years in the hardware distribution business; the number of AHC's employed; and the number of employees. Describe the distributor's major market.
 - 3) Include the names and contact information of physical plant managers for 3 facilities, similar to this project, for which the distributor has furnished architectural hardware within the past 2 years.
- d. Supervisor's/Installer's Qualification Data:
 - 1) Name of Supervisor and each installer performing Work, and employer's name, business address and telephone number.
 - 2) Names and addresses, and contact information of physical plant managers for 3 facilities, similar to this project, on which each installer has worked on during past 2 years.
2. Finish Hardware Package:
 - a. Finish Hardware Schedule: Use vertical format and indicate finish hardware items, both mechanical and electrical in one document, required to complete Work of this section. Number each page including product data sheets. For example, "1 of 60, 2 of 60, 3 of 60", etc. Submit Hardware Schedule that includes complete hardware sets for each door and frame shown on Door Schedule.
 - 1) Preface schedule with following:
 - a) Package cover sheet described above
 - b) Certified Architectural Hardware Consultant's statement of preparation of/or certification of, Finish Hardware Schedule
 - c) Index cross referencing Door number, Hardware Set and Page
 - d) List of manufacturers
 - e) List of finishes
 - f) Explanation of abbreviations
 - g) Keying instructions and key schedule
 - 2) Create hardware groups, each group consisting of similar doors and hardware. Do not combine labeled and non-labeled openings. Do not combine doors and frames with dissimilar door sizes and/or materials.
 - 3) For each opening include the following:
 - a) Door and frame materials and dimensions
 - b) Fire rating
 - c) Door number, location and handing

- d) Degree of opening required for closer and/or overhead stop
- e) Installation and detailing notes
- 4) Under each group heading, list hardware items in detail, required for ordering. For each hardware item include:
 - a) Type (Hinges)
 - b) Quantity (Hinges 3ea)
 - c) Manufacturers' name (Hinges 3ea Stanley)
 - d) Catalog number (Hinges 3ea Stanley FBB199)
 - e) Size (Hinges 3ea Stanley FBB199 4 ½ x 4 ½)
 - f) Options or accessories (Hinges HTFBB199 4 ½ x 4 ½)
 - g) Finish (Hinges HTFBB199 4 ½ x 4 ½ x 630)
 - h) Fasteners (Hinges HTFBB199 4 ½ x 4 ½ x 630 x Torx with center security pin)
 - i) Indicate location of protection plates: Push side or pull side.
 - j) Installation Notes, as written in this section, for each hardware group
- 5) Use a separate hardware group in Hardware Schedule that lists attic stock hardware items, key cabinets, key control system, special tools required to install hardware, lubricants, and Operations and Maintenance Manuals.
- b. Product Data: Furnish manufacturers' catalog sheets, specifications, sizing charts, and installation instructions, for each item specified. Highlight information pertaining specifically to product (s) submitted.
- c. Submit samples as requested.
- 3. Close Out Submittals: Submit as a complete package. Number each page, ie., "1 of 150, 2 of 150, 3 of 150", etc.
 - a. Upload electronic close out submittal as described below.
 - b. In addition to the electronic submittal furnish hard copies of the Operation and Maintenance Manuals: 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

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

1.05 TEMPLATES

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

1.06 DELIVERY AND STORAGE

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

1.07 QUALITY ASSURANCE

- A. Hardware Distributor's Qualification
 - 1. Hardware Distributor who has been in the business of furnishing, and/ or installing finish hardware for a minimum of three years.
 - 2. Hardware Distributor shall have the DHI certified Architectural Hardware Consultant prepare the submittal or review the submittal and certify the Finish Hardware Submittal meets specification requirements, and the schedule is written accurately and in accordance with DHI recommendations, and requirements of this specification.
- B. Company Field Advisors: Employ advisor(s) for continuous hinges, door bolts, mortise locksets, exit devices, surface overhead stops, door closers, and gasketing.
- 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. 1st Delivery Inspection and Pre-installation Conference: Before finish hardware installation begins, the Director's Representative will call a conference at the site or the distributor's shop 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 templating and adjustments
 - 9. Special tools and maintenance items
 - 10. Hardware Closeout requirements
 - 11. Hardware Warranties

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.

- G. Pre-Benchmark-Construction Meeting
 - 1. Prior to the construction of the benchmark, a meeting will be held at the site to review the requirements and discuss the intent of the benchmark. The meeting will be scheduled by the Director's Representative and conducted by the Hardware Designer. The meeting shall be attended by the Director's Representative, the Hardware Designer, the Contractor's onsite foreman, the person supervising this phase of the Work (if different), and the person (people) who will be performing the work.
- H. Construction of Benchmark
 - 1. Before installing portions of the Work requiring benchmarks, install benchmarks for each form of construction required to comply with the following requirements, using materials indicated for the completed Work.

- a. Build hardware benchmark in door and frame assembly, specified in section 081102, in locations as directed, and include continuous hinge, lockset, closer, surface overhead stop and gasketing.
 - b. Notify the Director's Representative in advance of dates and times when benchmark will be constructed.
 - c. Install benchmark with supervisor oversight and workers who will be employed during the construction of the Work.
 - d. Construct benchmarks using the exact materials, products, methods, and workmanship that were approved for the Work.
 - e. Obtain Director's Representative's approval of benchmarks before starting work, fabrication, or construction.
 - f. Maintain benchmarks during construction in an undisturbed condition as a standard for judging the completed Work.
 - g. Failure to maintain this standard of quality will be cause for rejection of the Work.
 - h. Benchmark may be used in the Work unless otherwise indicated.
- I. Uniformity of Hardware and Single Source Responsibility: For each kind of hardware provide product(s) of a single manufacturer.
- J. 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 on locksets.

1.09 MAINTENANCE

- A. Special Tools: At the conclusion of the finish hardware installation, turn over to Owner's Representative 2 sets of each special tools required for proper installation and adjustment of hardware, together with a list of these tools and their purpose.
- B. Lubricants: Provide manufacturer's recommended lubricants for locksets and closers sufficient for 1 year of maintenance. Turn over to Director's Representative.

PART 2 PRODUCTS

2.01 ACCESSORIES

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

2.02 FASTENINGS

- A. Provide fasteners that harmonize with finish hardware material and finish.
- B. Provide torx security fasteners for exposed hardware, including full mortise hinges.
- C. Provide machine screws for hardware secured to metal; and machine screws and metal expansion shields for attachment to masonry substrates. Self-tapping or self-drilling screws are not acceptable.
- D. Provide undercut shallow head torx center pin security fasteners where necessary for proper seating.
- E. Attach hardware with specified fasteners.

2.03 MATERIALS AND FINISHES

- A. General: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of finish hardware are indicated in this section and in the Hardware Groups.
- B. Continuous Hinges
 - 1. Full height barrel-type manufactured from 14-gauge 304 stainless steel.
 - 2. .25" diameter stainless steel pins.
 - 3. Provide hinges without covers.
- C. Locks, Latches and Bolts
 - 1. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.
 - 2. Provide 3/4" minimum throw on other latch bolts.
 - 3. Provide 1" minimum throw deadbolts.
- D. Closers and Door Control Devices
 - 1. Closer bodies: Provide closer bodies with the same hole template pattern regardless of type or application.
 - 2. Closer arms: Non-handed forged steel.
 - 3. Closer size: Provide closers factory sized to a size 3 unless otherwise specified.
 - 4. Provide all-weather fluid to eliminate seasonal adjustment of closer speed.
 - 5. Powder coat closer body, arm, and adapter plate or pre-treat closer body, arm, and adapter plate with rust-inhibiting coating before painted finish is applied.

2.04 FINISH HARDWARE

A. Group 1:

1. Continuous Hinge: 1ea – Markar FM300HT x weld hinge pins x torx x 630. Factory mark the top of the hinge, “TOP”.
2. Mortise Double Cylinder Deadbolt: 1ea - Accurate ML9002M x less cylinders x curved lip strike x dust box x torx x 630
3. Mortise Lock Cylinder: 2ea - Compatible with above specified lock and to match Facility’s existing key system x 626
4. Push Pull Set: 1 ea Rockwood 110 x 73L x 73CL x 2ea 1 ¼” standard cylinder cutouts x 630 x torx set screws.
5. Surface Overhead Stop: 1ea - Glynn Johnson 810S x torx x 630. See installation note.
6. Closer: 1ea – LCN 4213 x ST3456 arm x SRI x torx x AL. See installation note.
7. Armor Plate: 1ea – Rockwood K1062 38” x 1 ½” LDW x B4E x Torx with center security pin x 630
8. Mop Plate: 2ea – Rockwood K1062 12” x ½” LDW x B4E x Torx with center security pin x 630
9. Silencers : 2 ea- Adhesive
Installation Instructions: Install surface overhead stop; then install closer

B. Group 2:

1. Continuous Hinge: 1ea – Markar FM300HT x weld hinge pins x torx x 630. Factory mark the top of the hinge, “TOP”.
2. Mortise Lockset: 1ea - Accurate ML9059M x ALH.038 x .038EKN x less cylinder x curved lip strike x dust box x torx x 630
3. Mortise Lock Cylinder: 1ea - Compatible with above specified lock and to match Facility’s existing key system x 626
4. Closer: 1ea – LCN 4510T x SRI x thru-bolt x torx x AL
5. Wall Stop: 1 ea Rockwood 402 x torx x 626
6. Kick Plate: 1ea – Rockwood K1062 12” x 1 ½” LDW x B4E x torx x 630
7. Mop Plate: 1ea – Rockwood K1062 4” x ½” LDW x B4E x torx x 630
8. Silencers: 2 ea- Adhesive

C. Group 3:

1. Continuous Hinge: 1ea - Markar FM300HT x weld hinge pins x torx x 630. Factory mark the top of the hinge, “TOP”.
2. Mortise Lockset: 1ea - Accurate ML9059M x ALH.038 x .038EKN x less cylinder x curved lip strike x dust box x torx x 630
3. Mortise Lock Cylinder: 1ea - Compatible with above specified lock and to match Facility’s existing key system x 626
4. Stop Surface Overhead Stop: 1ea - Glynn Johnson 810S x torx x 630. See installation note.
5. Closer: 1ea – LCN 4510T x SRI x thru-bolt x torx x AL
6. Kick Plate: 1ea – Rockwood K1062 12” x 1 ½” LDW x B4E x torx x 630
7. Mop Plate: 1ea – Rockwood K1062 4” x ½” LDW x B4E x torx x 630

8. Silencers: 2 ea- Adhesive
- D. Group 4:
1. Continuous Hinge: 1ea – Markar FM300HT x weld hinge pins x torx x 630. Factory mark the top of the hinge, “TOP”.
 2. Single Cylinder Mortise Deadbolt: 1ea - Accurate ML9001 x less cylinders x curved lip strike x dust box x torx x 630
 3. Mortise Lock Cylinder: 1ea - Compatible with above specified lock and to match Facility’s existing key system x 626
 4. Pull: 1 ea Rockwood 110 x 73L x 1ea 1 ¼” standard cylinder cutout x 630 x torx set screws.
 6. Kick Plate: 1ea – Rockwood K1062 12” x 1 ½” LDW x B4E x Torx with center security pin x 630
 7. Mop Plate: 2ea – Rockwood K1062 4” x ½” LDW x B4E x Torx with center security pin x 630
 8. Silencers: 2 ea- Adhesive
- E. Group 5: Furnish a quantity of 1 (one) as follows:
1. 50 Key Blanks to match existing key system
 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. Continue existing key system established for Facility.
1. Stamp “Do Not Duplicate” one one side of key.
 2. Furnish uncombined cylinders with sufficient springs, drivers, pin, and scalps for pinning by Facility.
 3. When lockset and cylinder are by different manufacturers, identify and furnish correct cylinder cam to operate lockset.
 4. Provide compression rings and spacers to achieve proper spacing relationship between cylinder and face of door.
- B. Keying System
1. The Facility key system and information will be furnished at the Pre-Submittal Meeting.
 2. Incorporate this information in Finish Hardware Submittals for approval.

PART 3 EXECUTION

3.01 EXAMINATION

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

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

3.02 INSTALLATION

- A. Do not proceed with installation of finish hardware prior to attending referenced pre-installation conference.
- B. 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. Threshold Installation:
 - 1. Drill holes 3 inches from each end of threshold and intermediate holes 12 inches maximum oc for required fasteners. Prepare holes for countersunk fasteners.
 - 2. Level and align thresholds with frames and doors. Where required, use non-corrosive shims.
 - 3. Exterior Doors: Set thresholds in a solid bed of Type 3 sealant.
 - 4. Secure thresholds to substrate with countersunk fasteners.
- F. Door Bottom Installation:
 - 1. Mount sweep type door bottom protection/drip caps on exterior side of doors.
 - 2. Before mounting apply Type 2 sealant on the back side of bearing surface. Secure to door with required fasteners.
- G. Gasketing 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 gasketing with hardware before installation.
 - 4. Install units plumb and level at the optimum location to maintain a permanent effective seal.
- H. 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 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

CEH

