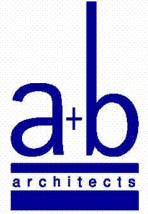


P.O. Box 665 – 117 West Main Street
Hahira, GA 31632

Phone: 229-585-9018
E-mail:
mail@altmanbarrettarchitects.com



Letter of Transmittal

TO: Plan Holders

FROM: Travis Petitjean

DATE: 12/27/2022

SUBJECT: Addendum 2
Interior Renovation for Shirley Hills Elementary School
Houston County School District

WE ARE SENDING YOU:

- Enclosed
- Prints
- Change order
- 43 Pages via EMAIL (including cover)**
- Specifications

ENCLOSED:

<u>COPIES</u>	<u>DATE</u>	<u>DESCRIPTION</u>
1	12/27/2022	Addendum 2

Transmitted as checked below:

- For your use**
- As requested
- For your information
- For review & comment
- No exceptions taken
- Exceptions noted
- Resubmit

REMARKS:

COPY : A+B File 22031 / A-1

[M:\22031 Houston - Shirley Hills Elem Interior Renovations\Addenda\Transmittal Add 2.doc]



**INTERIOR RENOVATION FOR
SHIRLEY HILLS ELEMENTARY SCHOOL
300 MARY LANE
WARNER ROBINS, GA 31088
HOUSTON COUNTY SCHOOL DISTRICT**

**ADDENDUM NO. 2
December 27, 2022**

REVISIONS TO THE SPECIFICATIONS:

1. Section 004323 Alternates Form:
 - a. Delete in its entirety and replace with the attached Section 004323 Alternates Form.
2. Section 012300 Alternates:
 - a. Delete in its entirety and replace with the attached Section 012300 Alternates.
3. Section 087100 Door Hardware:
 - a. Add the attached Section 087100 Door Hardware in its entirety.
4. Section 114000 Food Service Equipment:
 - a. Delete in its entirety.

REVISIONS TO THE DRAWINGS:

None.

END

SECTION 004323
ALTERNATES FORM

PART 1 - BID INFORMATION

- 1.01 Bidder: _____.
- 1.02 Project Name: Interior Renovation for Shirley Hills Elementary School.
- 1.03 Project Location: 300 Mary Lane, Warner Robins, GA 31088
- 1.04 Owner: Houston County School District.
- 1.05 Architect: Altman + Barrett Architects, P.C.
- 1.06 Architect Project Number: 22031.

PART 2 - BID FORM SUPPLEMENT

- 2.01 This form is required to be attached to the Bid Form.

PART 3 - DESCRIPTION

- 3.01 The undersigned Bidder proposes the amount below be added to or deducted from the Base Bid if particular alternates are accepted by Owner. Amounts listed for each alternate include costs of related coordination, modification, or adjustment.
- 3.02 If the alternate does not affect the Contract Sum, the Bidder shall indicate "NO CHANGE."
- 3.03 If the alternate does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."
- 3.04 The Bidder shall be responsible for determining from the Contract Documents the affects of each alternate on the Contract Time and the Contract Sum.
- 3.05 Owner reserves the right to accept or reject any alternate, in any order, and to award or amend the Contract accordingly within [60] days of the Notice of Award unless otherwise indicated in the Contract Documents.
- 3.06 Acceptance or non-acceptance of any alternates by the Owner shall have no affect on the Contract Time unless the "Schedule of Alternates" Article below provides a formatted space for the adjustment of the Contract Time.

PART 4 - SCHEDULE OF ALTERNATES

- 4.01 Alternate No. 1: Above Ceiling Insulation Replacement:
A. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ____.
____ Dollars (\$ _____).
1. ADD ___ DEDUCT ___ (insert calendar days) to adjust the Contract Time for this alternate.
- 4.02 Alternate No. 2: Panelboards and Disconnects (Preferred Manufacturer):
A. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ____.
____ Dollars (\$ _____).
1. ADD ___ DEDUCT ___ (insert calendar days) to adjust the Contract Time for this alternate.
- 4.03 Alternate No. 3: Floor Base (Preferred Manufacturer):
A. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ____.
____ Dollars (\$ _____).
1. ADD ___ DEDUCT ___ (insert calendar days) to adjust the Contract Time for this alternate.
- 4.04 Alternate No. 4: Light Fixtures (Preferred Manufacturer):
A. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ____.
____ Dollars (\$ _____).
1. ADD ___ DEDUCT ___ (insert calendar days) to adjust the Contract Time for this alternate.
- 4.05 Alternate No. 5: Light Fixtures (Preferred Manufacturer):
A. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ____.
____ Dollars (\$ _____).
1. ADD ___ DEDUCT ___ (insert calendar days) to adjust the Contract Time for this alternate.
- 4.06 Alternate No. 6: Lighting Controls (Preferred Manufacturer):
A. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ____.
____ Dollars (\$ _____).
1. ADD ___ DEDUCT ___ (insert calendar days) to adjust the Contract Time for this alternate.
- 4.07 Alternate No. 7: Not Used.
- 4.08 Alternate No. 8: Intercom System (Preferred Manufacturer):
A. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ____.
____ Dollars (\$ _____).
1. ADD ___ DEDUCT ___ (insert calendar days) to adjust the Contract Time for this alternate.

- 4.09 Alternate No. 9: Corridor Floor Replacement:
A. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
_____ Dollars (\$_____).
1. ADD ___ DEDUCT ___ (insert calendar days) to adjust the Contract
Time for this alternate.

PART 5 - SUBMISSION OF BID SUPPLEMENT

- 5.01 Respectfully submitted this ___ day of _____, 2023.
- 5.02 Submitted By: _____ (Insert name of bidding firm or corporation).
- 5.03 Authorized Signature: _____ (Handwritten signature).
- 5.04 Signed By: _____ (Type or print name).
- 5.05 Title: _____ (Owner/Partner/President/Vice President).

END OF DOCUMENT 004323

SECTION 012300

ALTERNATES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.03 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.04 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Above Ceiling Insulation Replacement:
 - 1. In lieu of storing the existing batt insulation above new lay-in ceiling system and reinstalling, install new R-19 batt insulation and dispose of existing batt insulation.
- B. Alternate No. 2: Panelboards and Disconnects (Preferred Manufacturer):
 - 1. Additional costs, if any, to provide Panelboards and Disconnects from Owner Preferred Manufacturer, Square D, in lieu of the other manufacturers specified. Base Bid proposals shall include panelboards and disconnects by one of the specified manufacturers.
- C. Alternate No. 3: Floor Base (Preferred Manufacturer):
 - 1. Additional costs, if any, to provide floor base from Owner Preferred Manufacturer, Flexco, in lieu of the other manufacturers specified in Section 096513. Base Bid proposals shall include floor base by one of the specified manufacturers.

- D. Alternate No. 4: Light Fixtures (Preferred Manufacturer):
 - 1. Additional costs, if any, to provide lighting fixtures from Owner Preferred Manufacturer, Lithonia, in lieu of the other manufacturers specified. Base Bid proposals shall include lighting fixtures by one of the specified manufacturers.
 - 2. Alternate No. 4 cannot be accepted if Alternate No. 5 is accepted.
- E. Alternate No. 5: Light Fixtures (Preferred Manufacturer):
 - 1. Additional costs, if any, to provide lighting fixtures from Owner Preferred Manufacturer, Columbia, in lieu of the other manufacturers specified. Base Bid proposals shall include lighting fixtures by one of the specified manufacturers.
 - 2. Alternate No. 5 cannot be accepted if Alternate No. 4 is accepted.
- F. Alternate No. 6: Lighting Controls (Preferred Manufacturer):
 - 1. Additional costs, if any, to provide lighting controls from Owner Preferred Manufacturer, Wattstopper, in lieu of the other manufacturers specified. Base Bid proposals shall include lighting controls by one of the specified manufacturers.
- G. Alternate No. 7: Not used.
- H. Alternate No. 8: Intercom System (Preferred Manufacturer):
 - 1. Additional costs, if any, to provide a complete intercom system from Owner Preferred Manufacturer, Audio Enhancement, in lieu of other manufacturers specified. Base Bid proposals shall include a complete intercom system by one of the specified manufacturers.
- I. Alternate No. 9: Corridor Floor Replacement:
 - 1. Provide a complete cost to perform all work associated with the removal of the existing quarry tile (including mud bed and quarry tile base) and installation of cementitious fill and specified VCT flooring within the following spaces; 2010-101, 2010-102, 2010-103, 2010-132, 2010-159, 2010-160, and 2010-166. The removal of the existing rubber base (over quarry tile), cleaning of the quarry tile, and installation of the new specified rubber base shall remain as part of the base bid and not be included in the costs of this alternate.

END OF SECTION 012300

**SECTION 087100
DOOR HARDWARE**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for wood, aluminum, and hollow metal doors.
- B. Hardware for fire-rated doors.
- C. Electrically operated and controlled hardware.
- D. Thresholds.
- E. Smoke and draft control seals.
- F. Weatherstripping and gasketing.

1.02 RELATED REQUIREMENTS

- A. Section 06 20 00 - Finish Carpentry: Wood door frames.
- B. Section 08 06 71 - Door Hardware Schedule: Schedule of door hardware sets.
- C. Section 08 11 13 - Hollow Metal Doors and Frames.
- D. Section 08 11 16 - Aluminum Doors and Frames.
- E. Section 08 12 13 - Hollow Metal Frames.
- F. Section 08 14 16 - Flush Wood Doors.
- G. Section 08 14 33 - Stile and Rail Wood Doors.
- H. Section 08 43 13 - Aluminum-Framed Storefronts: Door hardware, except as noted in section.
- I. Section 10 26 00 - Wall and Door Protection: Door and frame protection.

1.03 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design 2010.
- B. BHMA A156.1 - Standard for Butts and Hinges 2021.
- C. BHMA A156.2 - Bored and Preassembled Locks and Latches 2017.
- D. BHMA A156.3 - Exit Devices 2020.
- E. BHMA A156.4 - Door Controls - Closers 2019.
- F. BHMA A156.5 - Cylinders and Input Devices for Locks 2020.
- G. BHMA A156.6 - Standard for Architectural Door Trim 2021.
- H. BHMA A156.7 - Template Hinge Dimensions 2016.
- I. BHMA A156.8 - Door Controls - Overhead Stops and Holders 2021.
- J. BHMA A156.13 - Mortise Locks & Latches Series 1000 2017.
- K. BHMA A156.15 - Release Devices - Closer Holder, Electromagnetic and Electromechanical 2021.
- L. BHMA A156.16 - Auxiliary Hardware 2018.
- M. BHMA A156.18 - Materials and Finishes 2020.
- N. BHMA A156.19 - Power Assist and Low Energy Power Operated Swinging Doors 2019.
- O. BHMA A156.21 - Thresholds 2019.
- P. BHMA A156.22 - Standard for Gasketing 2021.
- Q. BHMA A156.23 - Electromagnetic Locks 2017.
- R. BHMA A156.26 - Standard for Continuous Hinges 2021.
- S. BHMA A156.28 - Recommended Practices For Mechanical Keying Systems 2018.
- T. BHMA A156.36 - Auxiliary Locks 2020.

- U. BHMA A156.115 - Hardware Preparation In Steel Doors And Steel Frames 2016.
- V. BHMA A156.115W - Hardware Preparation in Wood Doors with Wood or Steel Frames 2006.
- W. DHI (H&S) - Sequence and Format for the Hardware Schedule 2019.
- X. DHI (KSN) - Keying Systems and Nomenclature 2019.
- Y. DHI (LOCS) - Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames 2004.
- Z. DHI WDHS.3 - Recommended Locations for Architectural Hardware for Flush Wood Doors 1993; also, in WDHS-1/WDHS-5 Series, 1996.
- AA. ICC (IBC) - International Building Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- BB. ICC A117.1 - Accessible and Usable Buildings and Facilities 2017.
- CC. ITS (DIR) - Directory of Listed Products current edition.
- DD. NFPA 80 - Standard for Fire Doors and Other Opening Protectives 2022.
- EE. NFPA 101 - Life Safety Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- FF. NFPA 105 - Standard for Smoke Door Assemblies and Other Opening Protectives 2022.
- GG. UL 325 - Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems - Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
- B. Sequence installation to ensure facility services connections are achieved in an orderly and expeditious manner.
- C. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- D. Keying Requirements Meeting:
 - 1. Attendance Required:
 - a. Contractor.
 - b. Owner.
 - c. Architect.
 - d. Owner's Security Consultant.
 - 2. Agenda:
 - a. Establish keying requirements.
 - b. Verify locksets and locking hardware are functionally correct for project requirements.
 - c. Verify that keying and programming complies with project requirements.
 - d. Establish keying submittal schedule and update requirements.
 - 3. Deliver established keying requirements to manufacturers.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.
- C. Shop Drawings - Door Hardware Schedule: A detailed listing that includes each item of hardware to be installed on each door.
 - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
 - 2. Comply with DHI using door numbering scheme and hardware set numbers as indicated in Contract Documents.

- a. Submit in vertical format.
- 3. List groups and suffixes in proper sequence.
- 4. Include complete description for each door listed.
- D. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- E. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

1.07 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide manufacturer warranty against defects in material and workmanship for period indicated, from Date of Substantial Completion. Complete forms in Owner's name and register with manufacturer.
 - 1. Closers: Five years, minimum.
 - 2. Exit Devices: Three years, minimum.
 - 3. Locksets and Cylinders: Three years, minimum.
 - 4. Other Hardware: Two years, minimum.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide individual items of single type, of same model, and by same manufacturer.
- C. Locks: Provide a lock for each door, unless it's indicated that lock is not required.
 - 1. Lock Function: Provide lock and latch function numbers and descriptions of manufacturer's Series. As indicated in hardware sets.
 - 2. Trim: Provide lever handle or pull trim on outside of each lock, unless otherwise indicated.
 - 3. Strikes:
 - a. Finish: To match lock or latch.
 - b. Curved-Lip Strikes: Provide as standard, with extended lip to protect frame, unless otherwise indicated.
 - c. Center Strike At Pairs of Doors: 7/8 inch (22.2 mm) lip-to-center.
- D. Door Pulls and Push Plates:
 - 1. Provide door pulls and push plates on doors without a lockset, latch set, exit device, or auxiliary lock unless otherwise indicated.
- E. Closers:
 - 1. Provide door closer on each exterior door, unless otherwise indicated.
 - 2. Provide door closer on each fire-rated and smoke-rated door.
- F. Overhead Stops and Holders (Door Checks):
 - 1. Provide stop for every swinging door, unless otherwise indicated.
 - 2. Overhead Stop is not required if positive stop feature is specified for door closer; positive stop feature of door closer is not an acceptable substitute for a stop, unless otherwise indicated.
 - 3. Overhead stop is not required if a floor or wall stop has been specified for the door.
- G. Drip Guards: Provide at head of out-swinging exterior doors unless protected by roof or canopy directly overhead.

- H. Weatherstripping and Gasketing:
 1. Provide weatherstripping on each exterior door at head, jambs, and meeting stiles of door pairs, unless otherwise indicated.
 2. Provide door bottom sweep on each exterior door, unless otherwise indicated.
- I. Fasteners:
 1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
 - a. Aluminum fasteners are not permitted.
 - b. Provide Phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
 2. Provide machine screws for attachment to reinforced hollow metal and aluminum frames.
 - a. Self-drilling (Tek) type screws are not permitted.
 3. Provide stainless steel machine screws and lead expansion shields for concrete and masonry substrates.
 4. Provide wall grip inserts for hollow wall construction.
 5. Fire-Resistance-Rated Applications: Comply with NFPA 80.
 - a. Provide wood or machine screws for hinges mortised to doors or frames, strike plates to frames, and closers to doors and frames.
 - b. Provide steel through bolts for attachment of surface mounted closers, hinges, or exit devices to door panels unless proper door blocking is provided.

202 PERFORMANCE REQUIREMENTS

- A. Provide door hardware products that comply with the following requirements:
 1. Applicable provisions of federal, state, and local codes.
 - a. IBC 2018
 - b. NFPA 101.
 2. Accessibility: ADA Standards and ICC A117.1.
 3. Fire-Resistance-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
 4. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
 5. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMAA156.115W.

203 HINGES

- A. Manufacturers: Conventional butt hinges and Aluminum, Geared Continuous Hinges.
 1. BEST
 2. ABH
 3. Ives
 4. Select
- B. Properties:
 1. Butt Hinges: As applicable to each item specified.
 - a. Heavy Weight Hinges: Minimum of four (4) permanently lubricated bearings on heavy weight hinges.
 - b. Template screw hole locations.
 - c. Bearing assembly installed after plating.
 - d. Bearings: Exposed fully hardened bearings.
 - e. Bearing Shells: Shapes consistent with barrels.
 - f. Pins: Easily seated, non-rising pins.
 - 1) Fully plate hinge pins.
 - 2) Non-Removable Pins: Slotted stainless steel screws.
 2. Continuous Hinges: As applicable to each item specified.
 - a. Geared Continuous Hinges: As applicable to each item specified.
 - 1) Non-handed.

- 2) Anti-spinning through-fastener.
 - 3) UL 10C listed for fire-resistance-rated doors.
 - (a) Metal Door Installation: Rated up to 90 minutes.
 - (b) Wood Door Installation: Rated up to 60 minutes.
 - 4) Sufficient size to permit door to swing 180 degrees
- C. Sizes: See Door Hardware Schedule.
- 1. Hinge Widths: As required to clear surrounding trim.
 - 2. Sufficient size to allow 180 degree swing of door.
- D. Finishes: See Door Hardware Schedule.
- 1. Fully polished hinges; front, back, and barrel.
- E. Grades:
- 1. Butt Hinges: Comply with BHMA A156.1 and BHMA A156.7 for templated hinges.
 - 2. Continuous Hinges: Comply with BHMA A156.26, Grade 1.
- F. Material: Base metal as indicated for each item by BHMA material and finish designation.
- G. Types:
- 1. Butt Hinges: Include full mortise hinges.
 - 2. Continuous Hinges: Include geared hinges, where shown in hardware sets.
- H. Quantities:
- 1. Butt Hinges: Three (3) hinges per leaves up to 90 inches (2286 mm) in height. Add one (1) for each additional 30 inches (762 mm) in height or fraction thereof.
 - a. Hinge weight and size unless otherwise indicated in hardware sets:
 - 1) For doors from 36 inches (914 mm) wide up to 42 inches (1067 mm) wide and up to 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.145 inch (3.7 mm) and a minimum of 4-1/2 inches (114 mm) in height.
 - 2) For doors from 42 inches (1067 mm) wide up to 48 inches (1219 mm) wide and up to 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.180 inch (4.6 mm) and a minimum of 5 inches (127 mm) in height.
 - 2. Continuous Hinges: One per door leaf.
- I. Applications: At swinging doors.
- 1. Provide non-removable pins at out-swinging doors with locking hardware and all exterior doors.
- J. Products:
- 1. Butt Hinges:
 - a. Ball Bearing, Five (5) Knuckle: FBB Series
 - 2. Continuous Hinges:
 - a. Aluminum geared hinges: A571

204 BOLTS

- A. Manufacturers:
- 1. Trimco
 - 2. Burns
 - 3. Rockwood
- B. Properties:
- 1. Flush Bolts:
 - a. Pairs of Swing Doors: At inactive leaves, provide flush bolts of type as required to comply with code.
 - b. Manual Flush Bolts: Manually latching upon closing of door leaf.
 - 1) Bolt Throw: 3/4 inch (19 mm), minimum.
 - c. Automatic Flush Bolts: Automatically latching upon closing of door leaf.
 - 1) Bolt Throw: 3/4 inch (19 mm), minimum.

2. Dustproof Strikes: For bolting into floor, provide except at metal thresholds.
- C. Options:
1. Extension Bolts: In leading edge of door, one bolt into floor, one bolt into top of frame.
 2. Lever extensions: Provide for top bolt at oversized doors.
- D. Products:
1. Manual flush bolts. See Hardware Sets
 2. Automatic flush bolts. See Hardware Sets

205 EXIT DEVICES

- A. Manufacturers:
1. BEST – Apex 2000 Series
 2. Von Duprin – 98 Series
- B. Properties:
1. Actuation: Full-length touchpad.
 2. Touchpads: "T" style metal touchpads and rail assemblies with matching chassis covers end caps.
 3. Latch Bolts: Stainless steel deadlocking with 3/4 inch (19 mm) projection using latch bolt.
 4. Lever Design: Match project standard lockset trims.
 5. Cylinder: Include where cylinder dogging or locking trim is indicated.
 6. Strike as recommended by manufacturer for application indicated.
 7. Sound dampening on touch bar.
 8. Dogging:
 - a. Non-Fire-Resistance-Rated Devices: Cylinder 1/4 inch (6 mm) hex key dogging.
 - b. Fire-Resistance-Rated Devices: Manual dogging not permitted.
 9. Touch bar assembly on wide style exit devices to have a 1/4 inch (6.3 mm) clearance to allow for vision frames.
 10. All exposed exit device components to be of architectural metals and "true" architectural finishes.
 11. Handing: Field-reversible.
 12. Fasteners on Back Side of Device Channel: Concealed - exposed fasteners not allowed.
 13. Vertical Latch Assemblies' Operation: Gravity, without use of springs.
- C. Grades: Complying with BHMA A156.3, Grade 1.
1. Provide exit devices tested and certified by UL or by a recognized independent laboratory for mechanical operational testing to 10 million cycles minimum with inspection confirming Grade 1 Loaded Forces have been maintained.
- D. Standards Compliance:
1. UL Listed for Panic and Fire for Class II Circuitry.
 2. Provide listed exit device assemblies for fire-resistance-rated doors.
- E. Options:
1. Electrified Devices:
 - a. Latchbolt Retraction: motorized latchbolt retraction.

206 REMOVABLE MULLIONS

- A. Manufacturers:
1. BEST
 2. Von Duprin
- B. Properties:
1. Rectangular shape 3 inches (76 mm) by 2 inches (51 mm) tubes with minimum 1/8 inch (3.2 mm) wall thickness.
 2. Furnished by the same manufacturer as exit devices.
 3. Pre-drilled holes for installation of exit device strikes.
 4. Spacers: Provide as required for proper installation, based on frame profile

and dimensions.

- C. Grades: Complying with BHMA A156.3.
- D. Materials: Manufacturer's standard for items specified.
 - 1. Top and Bottom Brackets: Investment-cast steel.
- E. Options:
 - 1. Furnish Keyed Removable "KR" feature and corresponding cylinders as specified.
 - a. Mullions capable of being installed without physical key present.
 - b. Physical key required to operate.
- F. Applications: As indicated on drawings and in Door Hardware Schedule.
- G. Products:
 - 1. Keyed Removable Mullion: KR822
 - 2. Removable Mullion: KR4854 (where specified in hardware sets)

207 LOCK CYLINDERS

- A. Manufacturers:
 - 1. Schlage
 - 2. No Substitutions
- B. Grades:
 - 1. Standard Security Cylinders: Comply with BHMA A156.5.
- C. Material:
- D. Types: As applicable to each item specified.
 - 1. For exterior doors, use standard security, large format interchangeable core (LFIC) type cylinders, with 6-pin, Schlage Everest T cores.
 - 2. For interior doors, use conventional 6-Pin Schlage Everest T cores.
 - 3. Coordinate with Owner for specific cylinder requirements.
 - 4. Provide conventional cylinders as required for Grade 2 locks.
- E. Applications: At locations indicated in hardware sets, and as follows
 - 1. As required for items with locking devices provided by other sections, including at elevator controls and cabinets.
 - a. When provisions for lock cylinders are referenced elsewhere in the Project Manual to this Section, provide compatible type of lock cylinder, keyed to building keying system, unless otherwise indicated.
- F. Products:
 - 1. Rim/mortise. See Hardware Sets
 - 2. Large Format Interchangeable Cores
 - 3. Conventional key-in-lever cores

210 CYLINDRICAL LOCKS

- A. Manufacturers:
 - 1. BEST – 9K Series / 7KC Series
 - 2. Schlage – ND Series / ALX Series
- B. Properties:
 - 1. Mechanical Locks:
 - a. Fitting modified ANSI A115.2 door preparation.
 - b. Door Thickness Fit: 2-1/4 inches (57 mm) thick doors.
 - c. Construction: Hub, side plate, shrouded rose, locking pin to be a one-piece casting with a shrouded locking lug.
 - 1) Through-bolted anti-rotational studs.

- d. Cast stainless steel latch retractor with roller bearings for exceptionally smooth operation and superior strength and durability.
- e. Bored Hole: 2-1/8 inch (54 mm) diameter.
- f. Backset: 5 inches (127 mm) unless otherwise indicated.
- g. Latch: Single piece tail-piece construction.
 - 1) Latchbolt Throw: 1/2 inch (14.3 mm), minimum.
- h. Cylinders:
 - 1) Cylinder Core Types: Locks capable of supporting Schlage Large Format Interchangeable cores or conventional (non-interchangeable) cores, where shown in hardware sets.
- i. Lever Trim:
 - 1) Style: See Door Hardware Schedule.
 - 2) Functionality: Allow the lever handle to move up to 45 degrees from horizontal position prior to engaging the latchbolt assembly.
 - 3) Strength: Locksets outside locked lever designed to withstand minimum 1,400 inch-lbs. (158.2 Nm) of torque. In excess of that, a replaceable part will shear. Key from outside and/or inside lever will still operate lockset.
 - 4) Independent spring mechanism for each lever.
 - (a) Contain lever springs in the main lock hub.
 - 5) Outside Lever Sleeve: Seamless one-piece construction.
 - 6) Keyed Levers: Removable only after core is removed by authorized control key.
- 2. Electrified Locks: Same properties as standard locks, and as follows:
 - a. Voltage: 24 VDC.
 - b. Function: Electrically locked (Fail Safe) or unlocked (Fail Secure), as indicated for each lock in Door Hardware Schedule.
 - c. Temperature Control Module (TCM).
- C. Finishes: See Door Hardware Schedule.
 - 1. Core Faces: Match finish of lockset.
- D. Grades: Comply with BHMA A156.2, Grade 1, Series 4000, Operational Grade 1, Extra Heavy Duty.
 - 1. Durability: Passing 50 Million cycle tests verified by third party testing agency.
- E. Provide BHMA A156.2 Grade 2 locksets, only where indicated in hardware sets.
- F. Material: Manufacturer's standard for specified lock.
 - 1. Critical Latch and Chassis Components: Brass or corrosion-resistance treated steel.
 - 2. Outside Lever Sleeve: Hardened steel alloy.

211 AUXILIARY LOCKS (DEADLOCKS)

- A. Manufacturers:
 - 1. BEST
 - 2. Schlage
- B. Properties:
 - 1. Backset: 2-3/4 inch (70 mm), unless otherwise indicated.
 - 2. Strike: Appropriate for door frame.
 - 3. Mortise Deadbolt: Manufacturer's standard, adjustable to accommodate range of door thickness indicated.
 - a. Door Thickness Fit: 1-3/4 inches (44 mm) to 3 inches (76 mm) thick doors.
 - b. Bolt Throw: 1 inch (25.4 mm) stainless steel.
 - c. UL listed for up to 3 hours.
- C. Grades:
 - 1. Mortise Deadbolts: Tested and approved by BHMA A156.36, Operational Grade 1.
 - 2. Cylindrical Deadbolts: Tested and approved by BHMA A156.36, Operational Grade 2.

212 DOOR PULLS AND PUSH PLATES

- A. Manufacturers:
 - 1. Trimco
 - 2. Ives
 - 3. Burns
- B. Properties:
 - 1. Pull Type: Straight, unless otherwise indicated.
 - 2. Push Plate Type: Flat, with square corners, unless otherwise indicated.
 - a. Edges: Beveled, unless otherwise indicated.
- C. Grades: Comply with BHMA A156.6.
- D. Material: Stainless steel, unless otherwise indicated.

213 COORDINATORS

- A. Manufacturers:
 - 1. Trimco
 - 2. Ives
 - 3. Burns
- B. Properties:
 - 1. General: Non-handed devices, with field-selectable active door leaf.
 - 2. Active door to be field-selectable.
 - 3. Coordinators: Devices on pairs of doors with closers and self-latching or automatic flush bolts installed.
 - a. Coordinator Operation: Only when inactive door is opened.
- C. Grades:
 - 1. Closer and Coordinator Combinations: Comply with BHMA A156.4, Grade 1.
- D. Code Compliance: As required by authorities having jurisdiction in the State in which the Project is located.
- E. Types:
 - 1. Coordinators: Bar Type
- F. Installation:
 - 1. Mounting: Provide necessary mounting brackets and filler bars to ensure proper installation of coordinator and related hardware.
 - 2. Coordination: Properly sequence installation of other door hardware affected by placement of coordinators and carry bars.

214 CLOSERS

- A. Manufacturers:
 - 1. Dormakaba Commercial Hardware – QDC100 Series
 - 2. LCN – 4040XP Series
- B. Properties:
 - 1. Surface Mounted Closers: Manufacturer's standard.
 - a. Construction: Cast Iron
 - b. Mechanism: Separate tamper-resistant adjusting valves for closing and latching speeds.
 - c. Hydraulic Fluid: All-weather type.
 - d. Arm Assembly: Standard for product specified.
 - 1) Material: Steel.
 - 2) Include hold-open, integral stop, or spring-loaded stop feature, as

- specified in Door Hardware Schedule. Use overhead stops for in-swinging doors where wall stops cannot be used.
- 3) Parallel arm to be a heavy-duty rigid arm.
- e. Covers:
- 1) Type: Standard for product selected.
 - (a) Full.
 - 2) Material: Plastic.
 - 3) Finish: Painted.
- C. Grades:
1. Closers: Comply with BHMA A156.4, Grade 1.
 - a. Underwriters Laboratories Compliance:
 - 1) Product Listing: UL (DIR) and ULC for use on fire-resistance-rated doors.
- D. Code Compliance: As required by authorities having jurisdiction in the State in which the Project is located.
- E. Types:
1. Rack-and-pinion, surface-mounted. 1-1/2 inches (38 mm) minimum bore.
- F. Installation:
1. Mounting: Includes surface mounted installations.
 2. Mount closers on non-public side of door and stair side of stair doors unless otherwise noted in hardware sets.
 3. At out-swinging exterior doors, mount closer on interior side of door.
 4. Provide adapter plates, shim spacers, and blade stop spacers as required by frame and door conditions.
 5. Where an overlapping astragal is included on pairs of swinging doors, provide coordinator to ensure door leaves close in proper order.

215 OVERHEAD STOPS AND HOLDERS

- A. Manufacturers:
1. dormakaba; dormakaba Group: www.dormakaba.com/us-en/#sle.
 2. Architectural Builders Hardware Mfg. (ABH): www.abhmfg.com/#sle.
 3. Glynn Johnson.
- B. Properties:
- C. Sizes: Manufacturer's standard for the application.
- D. Finishes:
1. Arms and Brackets: Zinc-plated.
- E. Grades: As applicable to item specified.
1. Comply with BHMA A156.8, Grade 1.
- F. Material: Base metal as indicated for each item by BHMA material and finish designation.
1. Track Channel: Extruded aluminum alloy.
 2. Slide Block: Machined from solid brass alloy.
- G. Types:
1. Surface Mounted or Concealed.
- H. Products:
1. Surface Mounted: 4400 Series
 2. Concealed: 1000SL Series

216 PROTECTION PLATES

- A. Manufacturers:
1. Trimco
 2. Burns

3. Ives
- B. Properties:
 1. Plates:
 - a. Armor Plates: Provide on bottom half of push side of doors that require protection from objects moving through openings that may damage door surface.
 - b. Kick Plates: Provide along bottom edge of push side of every wood door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.
 - 1) Size: 8 inches (203 mm) high by 2 inch (51 mm) less door width (LDW) on push side of door.
 - c. Mop Plates: Provide along bottom edge of push side of doors to provide protection from cleaning liquids and equipment damage to door surface.
 - 1) Size: 6 inch (152 mm) high by 1-1/2 inch (38 mm) less door width (LDW) on pull side and 2 inch (51 mm) LDW on push side of door.
 - d. Edges: Beveled, on four (4) unless otherwise indicated.
 - C. Grades: Comply with BHMA A156.6.
 - D. Material: As indicated for each item by BHMA material and finish designation.
 1. Metal Properties: Stainless steel.
 - E. Installation:
 1. Fasteners: Countersunk screw fasteners

217 STOPS AND HOLDERS

- A. Manufacturers:
 1. Trimco
 2. Rockwood
 3. Burns
- B. General: Provide overhead stop/holder when wall or floor stop is not feasible.
- C. Grades:
 1. Door Holders, Wall Bumpers, and Floor Stops: Comply with BHMA A156.16 and Resilient Material Retention Test as described in this standard.
- D. Material: Base metal as indicated for each item by BHMA material and finish designation.
- E. Types:
 1. Wall Bumpers: Bumper, concave, wall stop.
- F. Installation:
 1. Non-Masonry Walls: Confirm adequate wall reinforcement has been installed to allow lasting installation of wall bumpers.

218 ELECTROMAGNETIC DOOR HOLDERS

- A. Manufacturers:
 1. LCN
 2. ABH
- B. Properties:
 1. Holding Force, Standard Duty: 40 lbs.-force (177 N), minimum.
 2. Power Loss Status: Fail safe; door released to close.
 3. Life Safety Interface: With fire detectors, fire-alarm system, and smoke detectors for fire- resistance-rated door assemblies.
- C. Grades: Comply with BHMA A156.15.
- D. Types: Wall mounted, single unit, standard duty, with strike plate attached to door.

- E. Options: As applicable to each item specified.
 - 1. Voltage: 12 VDC.

219 THRESHOLDS

- A. Manufacturers:
 - 1. National Guard Products, Inc.
 - 2. Reese.
 - 3. Zero.
- B. Properties:
 - 1. Threshold Surface: Fluted horizontal grooves across full width unless otherwise specified.
- C. Grades: Thresholds: Comply with BHMA A156.21.
- D. Types: As applicable to project conditions. Provide barrier-free type at every location where specified.
 - 1. Bumper Seal Thresholds with Gasket: Use silicone gaskets.
- E. Products: 896N, 425, 64A

220 WEATHERSTRIPPING AND GASKETING

- A. Manufacturers:
 - 1. National Guard Products, Inc: www.ngpinc.com/#sle.
 - 2. Reese.
 - 3. Zero.
- B. Properties:
 - 1. Adhesive-Backed Perimeter Gasketing: Silicone gasket material applied to frame with self- adhesive.
- C. Grades: Comply with BHMA A156.22.
- D. Products:
 - 1. Weatherstripping: See Door Hardware Schedule.
 - 2. Door Bottom Seals:
 - a. Door Sweeps: See Door Hardware Schedule.

221 MISCELLANEOUS ITEMS

- A. Manufacturers:
 - 1. Trimco
 - 2. Rockwood
- B. Properties:
 - 1. Silencers: Provide at equal locations on door frame to mute sound of door's impact upon closing.
 - a. Single Door: Provide three on strike jamb of frame.
 - b. Pair of Doors: Provide two on head of frame, one for each door at latch side.
 - c. Material: Rubber, gray color.
 - d. Omit where gasketing is installed

222 KEYS AND CORES

- A. Manufacturers:
 - 1. Schlage.
 - 2. Substitutions: Not permitted.
- B. Products:
 - 1. Exterior Doors: Schlage FSIC 6-Pin Everest (match existing key system)
 - 2. Interior Doors: Schlage Conventional Cylinder 6-Pin Everest (match existing key system)

223 FINISHES

- A. Finishes: Identified in Hardware Sets.

PART 3 EXECUTION

301 EXAMINATION

- A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.
- B. Correct all defects prior to proceeding with installation.
- C. Verify that electric power is available to power operated devices and of correct characteristics.

302 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Install hardware using the manufacturer's fasteners provided. Drill and tap all screw holes located in metallic materials. Do not use "Riv-Nuts" or similar products.
- C. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.
- D. Install hardware for smoke and draft control doors in accordance with NFPA 105.
- E. Use templates provided by hardware item manufacturer.
- F. Do not install surface mounted items until application of finishes to substrate are fully completed.
- G. Wash down masonry walls and complete painting or staining of doors and frames.
- H. Complete finish flooring prior to installation of thresholds.
- I. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list, unless noted otherwise in Door Hardware Schedule or on drawings.
 - 1. For Steel Doors and Frames: Install in compliance with DHI (LOCS) recommendations.
 - 2. For Steel Doors and Frames: See Section 6549.
 - 3. For Steel Door Frames: See Section 08 1213.
 - 4. For Aluminum-Framed Storefront Doors and Frames: See Section 08 4313.
 - 5. For Wood Doors: Install in compliance with DHI WDHS.3 recommendations.
 - 6. Flush Wood Doors: See Section 08 1416.
 - 7. Stile and Rail Wood Doors: See Section 08 1433.
 - 8. Mounting heights in compliance with ADA Standards:
 - a. Locksets: 40-5/16 inch (1024 mm).
 - b. Push Plates/Pull Bars: 42 inch (1067 mm).
 - c. Deadlocks (Deadbolts): 48 inch (1219 mm).
 - d. Exit Devices: 40-5/16 inch (1024 mm).
 - e. Door Viewer: 43 inch (1092 mm); standard height 60 inch (1524 mm).
- J. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal. Anchor thresholds with stainless steel countersunk screws.
- K. Include in installation for existing doors and frames any necessary field modification and field preparation of doors and frames for new hardware. Provide necessary fillers, reinforcements, and fasteners for mounting new hardware and to cover existing door and frame preparations.

303 ADJUSTING

- A. Adjust work under provisions of Section 01 70 00 - Execution and Closeout Requirements.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

304 CLEANING

- A. Clean adjacent surfaces soiled by hardware installation activities.

3.05 PROTECTION

- A. Protect finished Work under provisions of Section 01 70 00 - Execution and Closeout Requirements.

3.06 HARDWARE SETS

Manufacturer List

Code	Name
AB	ABH Manufacturing Inc.
BE	Best Access Systems
BY	By Related Section
DJ	Don-Jo
NA	National Guard
PR	BEST Precision Exit Devices
SC	Schlage
SH	dormakaba Commercial Hardware
ST	BEST Hinges and Sliding
TR	Trimco
ZE	Zero

Option List

Code	Description
1/4-20 SSMS/EA	STAINLESS MACHINE SCREWS/EXPANSION ANC.
3/4	3/4" THROW LATCH
48"	48" Door Width
B4E-HEAVY-KP	BEVELED 4 EDGES - KICK PLATES
CD	CYLINDER DOGGING
CSK	COUNTER SINKING OF KICK and MOP PLATES
FL	Fire Exit Hardware
LD	Less Dogging
MCS	Mullion Cap Spacer (600 Finish)
S3	ANSI Strike Package
SCHRC	Prep for Schlage 6-PIN FSIC
SCH	Prep for Schlage 6-PIN Conventional Core
SNB (2)	SEX BOLTS (2)

Finish List

Code	Description
26D	Satin Chrome
32D	Satin Stainless Steel
600	Primed for Painting
605	Bright Brass, Clear Coated
626	Satin Chromium Plated
630	Satin Stainless Steel
689	Aluminum Painted
AL	Aluminum
BLACK	Black
GREY	Grey
SL	Silver Coated

Hardware Sets

Set #01 (EXT)

Doors: 2030-100A, 2030-100B

6	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Exit Device (Dummy Pull)	2102 X 1702A CD SNB (2)	630	PR
1	Exit Device (Storerm.)	2103 X 1703A CD SNB (2)	630	PR
2	Mortise Cylinder x FSIC	26-091	626	SC
1	Rim Cylinder x FSIC	20-057	626	SC
1	Electric Strike	Existing Elec. Strike to remain		BY
2	Door Closer	QDC119	689	SH
2	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Card Reader	Existing Card Reader to remain		BY
2	Door Position Switch	Provided by Security Contractor		BY
1	PIR Request to Exit Sw.	Existing PIR Req-to-Exit to remain		BY
1	Gasketing	127SA (Head & Jambs)		NA
2	Door Sweep	601A x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA
2	Blocking Ring	36-082	626	SC

NOTE: Verify hinge preps in existing frame and provide hinges as required. Operation: Doors normally closed, latched and secure. Presenting valid credential to Card Reader releases electric strike, allowing entry through the active leaf. Door Position Switches monitor door status. Request-to-Exit Motion Sensor is activated upon approach to door when exiting, shunting forced door alarm at the Access Control System. Free egress is possible at all times through either leaf. Electric strike is fail-secure and remains in locked during fire alarm or loss of power. Coordinate wiring and electrical requirements with Electrical Contractor and Security Contractor.

Set #02 (EXT)

Doors: 2010-155A

6	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Exit Device (Dummy Pull)	2102 X 1702A CD SNB (2)	630	PR
1	Exit Device (Storerm.)	2103 X 1703A CD SNB (2)	630	PR
2	Mortise Cylinder x FSIC	26-091	626	SC
1	Rim Cylinder x FSIC	20-057	626	SC
2	Door Closer	QDC119	689	SH
2	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Gasketing	127SA (Head & Jambs)		NA
2	Door Sweep	601A x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA
2	Blocking Ring	36-082	626	SC

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #03 (EXT)

Doors: 2010-131B, 2030-116A

6	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Removable Mullion	KR822 MCS	600	PR
1	Exit Device (Dummy Pull)	2102 X 1702A CD SNB (2)	630	PR
1	Exit Device (Storerm.)	2103 X 1703A CD SNB (2)	630	PR
2	Mortise Cylinder x FSIC	26-091	626	SC
2	Rim Cylinder x FSIC	20-057	626	SC
2	Door Closer	QDC119	689	SH
2	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Gasketing	127SA (Head & Jambs)		NA
2	Door Sweep	601A x LAR		NA
1	Mullion Seal	5100N x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA
2	Blocking Ring	36-082	626	SC

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #04 (EXT)

Doors: 2010-160A, 2020-166A, 2021-101C

3	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Exit Device (Storerm.)	2103 X 1703A CD SNB (2)	630	PR
1	Rim Cylinder x FSIC	20-057	626	SC
1	Mortise Cylinder x FSIC	26-091	626	SC
1	Electric Strike	Existing Elec. Strike to remain		BY
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Card Reader	Existing Card Reader to remain		BY
1	Door Position Switch	Provided by Security Contractor		BY
1	PIR Request to Exit Sw.	Existing PIR Req-to-Exit to remain		BY
1	Gasketing	127SA (Head & Jambs)		NA
1	Door Sweep	601A x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #05 (EXT)

Doors: 2010-160B, 2010-166B, 2021-101D

3	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Exit Device (Exit Only)	2102 X 1702A CD SNB (2)	630	PR
1	Mortise Cylinder x FSIC	26-091	626	SC
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Door Position Switch	Provided by Security Contractor		BY
1	PIR Request to Exit Sw.	Provided by Security Contractor		BY
1	Gasketing	127SA (Head & Jambs)		NA
1	Door Sweep	601A x LAR		NA

1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA
1	Blocking Ring	36-082	626	SC

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #06 (EXT)

Doors: 2010-103A, 2010-132A, 2010-141B, 2010-142B, 2020-113A, 2021-100A, 2021-100C, 2021-102C

3	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Exit Device (Storerm.)	2103 X 1703A CD SNB (2)	630	PR
1	Mortise Cylinder x FSIC	26-091	626	SC
1	Rim Cylinder x FSIC	20-057	626	SC
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Gasketing	127SA (Head & Jambs)		NA
1	Door Sweep	601A x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA
1	Blocking Ring	36-082	626	SC

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #07 (EXT)

Doors: 2010-103B, 2010-132B, 2010-142C, 2021-100B, 2021-100D

3	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Exit Device (Dummy Pull)	2102 X 1702A CD SNB (2)	630	PR
1	Mortise Cylinder x FSIC	26-091	626	SC
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Gasketing	127SA (Head & Jambs)		NA
1	Door Sweep	601A x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA
1	Blocking Ring	36-082	626	SC

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #08 (EXT)

Doors: 2020-106B, 2020-106C

1	Continuous Hinge	A571HDC 83		AB
1	Exit Device (Storerm.)	2103 X 1703A CD SNB (2)	630	PR
1	Mortise Cylinder x FSIC	26-091	626	SC
1	Rim Cylinder x FSIC	20-057	626	SC
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Gasketing	127SA (Head & Jambs)		NA
1	Door Sweep	601A x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA
1	Blocking Ring	36-082	626	SC

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #09 (EXT)

Doors: 2021-113A

6	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Automatic Flush Bolt	3810 X 3810	626	TR
1	Dust Proof Strike	3911	626	TR
1	Lockset (Storeroom)	9K3-0D14D S3 SCHRC	626	BE
1	Interchangeable Core	23-030 (Everest T)	626	SC
1	Coordinator	3094 Series	Silver	TR
2	Door Closer	QDC119	689	SH
2	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
2	Mounting Bracket	3095 / 3096 as Required	Silver	TR
1	Gasketing	127SA (Head & Jamb)		NA
1	Door Sweep	601A x LAR		NA
1	Astragal	139 SP		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #10 (EXT)

Doors: 2010-148A

3	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Lockset (Storeroom)	9K3-0D14D S3 SCHRC	626	BE
1	Interchangeable Core	23-030 (Everest T)	626	SC
1	Electric Strike	Existing Elec. Strike to remain		BY
1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Card Reader	Existing Card Reader to remain		BY
1	Door Position Switch	Provided by Security Contractor		BY
1	PIR Request to Exit Sw.	Existing PIR Req-to-Exit to remain		BY
1	Gasketing	127SA (Head & Jamb)		NA
1	Door Sweep	601A x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA

NOTE: Operation: Door Position Switch monitors door status. Request-to-Exit motion sensor is activated upon approach to the door when exiting, shunting forced door alarm at the Access Control System. Free egress is possible at all times. Coordinate wiring and electrical requirements with Electrical Contractor and Security Contractor. Verify hinge preps in existing frame and provide hinges as required.

Set #11 (EXT)

Doors: 2020-107B

3	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Lockset (Storeroom)	9K3-0D14D S3 SCHRC	626	BE
1	Interchangeable Core	23-030 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR

1	Gasketing	127SA (Head & Jambs)		NA
1	Door Sweep	601A x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #12 (EXT)

Doors: 2010-156A

3	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Lockset (Storeroom)	9K3-0D14D S3 SCHRC	626	BE
1	Interchangeable Core	23-030 (Everest T)	626	SC
1	Door Closer	QDC113	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Latch Protector	BLP-210	SL	DJ
1	Gasketing	127SA (Head & Jambs)		NA
1	Door Sweep	601A x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA

NOTE: Verify hinge preps in existing frame and provide hinges as required. Verify existing hardware preps to door and frame and provide replacement hardware as required.

Set #13 (EXT)

Doors: 2030-107A

3	Hinges	FBB199 4.5" x 4.5" NRP	32D	ST
1	Lockset (Storerm)	9K3-0D14D S3 SCHRC	626	BE
1	Interchangeable Core	23-030 (Everest T)	626	SC
1	Door Closer	QDC119	689	SH
1	Gasketing	127SA (Head & Jambs)		NA
1	Door Sweep	200SA x LAR		NA
1	Threshold	896S 1/4-20 SSMS/EA x LAR	AL	NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #14

Doors: 2010-102A, 2010-102C, 2010-102D

3	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Exit Device (Storerm.)	2103 X 1703A CD SNB (2)	630	PR
1	Mortise Cyl. x Conv.Core	20-002 (Everest T)	626	SC
1	Rim Cylinder x Conv.Core	20-022 (Everest T)	626	SC
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Door Position Switch	Provided by Security Contractor		BY
1	PIR Request to Exit Sw.	Existing PIR Req-to-Exit to remain		BY
1	Blocking Ring	36-082	626	SC

NOTE: Operation: Door Position Switch monitors door status. Request-to-Exit motion sensor is activated upon approach to the door when exiting, shunting forced door alarm at the Access Control System. Free egress is possible at all times. Coordinate wiring and electrical requirements with Electrical Contractor and Security Contractor. Verify hinge preps in existing frame and provide hinges as required.

Set #15

Doors: 2010-102B

3	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Exit Device (Storerm.)	2103 X 1703A CD SNB (2)	630	PR
1	Mortise Cyl. x Conv.Core	20-002 (Everest T)	626	SC
1	Rim Cylinder x Conv.Core	20-022 (Everest T)	626	SC
1	Electric Strike	Existing Elec. Strike to remain		BY
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Card Reader	Existing Card Reader to remain		BY
1	Door Position Switch	Provided by Security Contractor		BY
1	PIR Request to Exit Sw.	Existing PIR Req-to-Exit to remain		BY
1	Blocking Ring	36-082	626	SC

NOTE: Operation: Door normally closed, latched and secure. Presenting valid credential to Card Reader releases electric strike, allowing entry. Door Position Switch monitors door status. Request-to-Exit Motion Sensor is activated upon approach to door when exiting, shunting forced door alarm at the Access Control System. Free egress is possible at all times. Electric strike is fail-secure and remains in locked during fire alarm or loss of power. Coordinate wiring and electrical requirements with Electrical Contractor and Security Contractor. Verify hinge preps in existing frame and provide hinges as required.

Set #16

Doors: 2010-131A

3	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Exit Device (Storerm.)	2103 X 1703A CD SNB (2)	630	PR
1	Mortise Cyl. x Conv.Core	20-002	626	SC
1	Rim Cylinder x Conv.Core	20-022 (Everest T)	626	SC
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Gasketing	127SA (Head & Jambs)		NA
1	Threshold	64A X LAR		ZE
1	Blocking Ring	36-082	626	SC

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #17

Doors: 2010-141A

3	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Exit Device	2114 X 4914A SNB (2)	630	PR
1	Door Closer	QDC115	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Gasketing	127SA (Head & Jambs)		NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #18

Doors: 2010-142A, 2020-106A

6	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Removable Mullion	FLKR822	600	PR
2	Exit Device (Intruder)	FL 2110VI X V4908A	630	PR
4	Rim Cylinder x Conv.Core	20-022 (Everest T)	626	SC
2	Door Closer	QDC119	689	SH
2	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
2	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
2	Door Sweep	601A x LAR		NA
1	Mullion Seal	5100N x LAR		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #19

Doors: 2020-100A

6	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Removable Mullion	FLKR822	600	PR
2	Exit Device (Intruder)	FL 2110VI X V4908A	630	PR
4	Rim Cylinder x Conv.Core	20-022 (Everest T)	626	SC
2	Door Closer	QDC115	689	SH
2	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
2	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
2	Magnetic Hold Open	Existing to Remain		BY
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
2	Door Sweep	601A x LAR		NA
1	Mullion Seal	5100N x LAR		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #20

Doors: 2020-107A

6	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Automatic Flush Bolt (Set)	3815L X 3815L	630	TR
1	Lockset (Classrm)	9K3-0R14D 3/4 S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Coordinator	3094C4	BLACK	TR
2	Door Closer	QDC119	689	SH
2	Kick Plate	K0050 x 10" x 1" LDW B4E-HEAVY-KP CSK	630	TR
2	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Dust Proof Strike	3910	626	TR
2	Mounting Bracket	3095	BLACK	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
2	Door Sweep	601A x LAR		NA
1	Astragal Set	672 A (SET) 84"		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #21

Doors: 2010-104B, 2010-117A, 2010-118A, 2010-119A, 2010-120A, 2010-121A, 2010-122A, 2010-123A, 2010-124A, 2010-125A, 2010-161A, 2010-162A, 2010-163A, 2010-164A, 2010-165A, 2010-167A, 2010-168A, 2010-169A, 2010-170A, 2010-171A, 2010-172A, 2010-173A, 2010-180A, 2010-181A, 2010-182A, 2010-183A, 2020-101A, 2020-111A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Intruder)	9K3-0IN14D S3 SCH	626	BE
2	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH
1	Overhead Stop	4424	US26D	AB
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #22

Doors: 2010-104A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Storeroom)	9K3-0D14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Electric Strike	Existing Elec. Strike to remain		BY
1	Door Closer	QDC111	689	SH
1	Overhead Stop	4424	US26D	AB
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Card Reader	Existing Card Reader to remain		BY
1	Door Position Switch	Provided by Security Contractor		BY
1	PIR Request to Exit Sw.	Existing PIR Req-to-Exit to remain		BY
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required. Operation: Door normally closed, latched and secure. Presenting valid credential to Card Reader releases electric strike, allowing entry. Door Position Switch monitors door status. Request-to-Exit Motion Sensor is activated upon approach to door when exiting, shunting forced door alarm at the Access Control System. Free egress is possible at all times. Electric strike is fail-secure and remains in locked during fire alarm or loss of power. Coordinate wiring and electrical requirements with Electrical Contractor and Security Contractor. Verify hinge preps in existing frame and provide hinges as required.

Set #23

Doors: 2020-103A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Storerm)	9K3-0D14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH

1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #24

Doors: 2010-116A, 2010-127A, 2010-129A, 2010-130, 2010-175A, 2010-178A

3	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Lockset (Storerm)	9K3-0D14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #25

Doors: 2010-114A, 2010-144A, 2010-151A

3	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Lockset (Storerm)	9K3-0D14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #26

Doors: 2010-150A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Storerm)	9K3-0D14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #27

Doors: 2020-104A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Privacy Set	9K3-0L14D S3	626	BE
1	Door Closer	QDC111	689	SH
1	Overhead Stop	4424	US26D	AB
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #28

Doors: 2021-101A, 2021-101B, 2021-102A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Exit Device (Intruder)	FL 2110VI X 4908D	630	PR
2	Rim Cylinder x Conv.Core	20-022	626	SC
1	Door Closer	QDC115	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #29

Doors: 2010-143, 2020-102A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Classrm)	9K3-0R14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Wall Bumper	1270CVSV	626	TR

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #30

Doors: 2020-112A

3	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Lockset (Classrm)	9K3-0R14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC115	689	SH
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #31

Doors: 2020-109A, 2020-110A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Classrm)	9K3-0R14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #32

Doors: 2010-139.1A, 2010-153A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Classrm)	9K3-0R14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA

Set #33

Doors: 2010-145A, 2010-145C

3	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Lockset (Classrm)	9K3-0R14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC115	689	SH
1	Magnetic Hold Open	Existing to Remain		BY
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #34

Doors: 2010-145B

6	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Lockset (Classrm)	9K3-0R14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Coordinator	3094 Series	Silver	TR
2	Door Closer	QDC115	689	SH
2	Mounting Bracket	3095 / 3096 as Required	Silver	TR
2	Magnetic Hold Open	Existing to Remain		BY
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

Set #35

Doors: 2010-140A, 2010-152A, 2021-106A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
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1	Privacy Set	9K3-0L14D S3	626	BE
1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #36

Doors: 2020-109B, 2020-109C, 2020-110B, 2020-110C

3	Butt Hinge	FBB179 4.5" x 4.5"	26D	ST
1	Privacy Set	9K3-0L14D S3	626	BE
1	Wall Bumper	1270CVSV	626	TR

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #37

Doors: 2010-136A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Privacy Set	9K3-0L14D S3	626	BE
1	Door Closer	QDC115	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #38

Doors: 2010-139.3A

3	Hinges	Existing to remain		BY
1	Privacy Set	9K3-0L14D S3	626	BE
1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
3	Silencer	1229A	GREY	TR

Set #39

Doors: 2010-113A, 2020-105A, 2021-102B

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Intruder)	9K3-0IN14D S3 SCH	626	BE
2	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA

1	Threshold	64A x LAR		ZE
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NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #40

Doors: 2021-104A

3	Butt Hinge	FBB168 4.5" x 4.5" NRP		26D ST
1	Lockset (Intruder)	9K3-0IN14D S3 SCH		626 BE
2	Conventional Core	23-013 (Everest T)		626 SC
1	Door Closer	QDC115		689 SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK		630 TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK		630 TR
1	Wall Bumper	1270CVSV		626 TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #41

Doors: 2021-109A

3	Butt Hinge	FBB168 4.5" x 4.5" NRP		26D ST
1	Lockset (Intruder)	9K3-0IN14D S3 SCH		626 BE
2	Conventional Core	23-013 (Everest T)		626 SC
1	Door Closer	QDC119		689 SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK		630 TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK		630 TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #42

Doors: 2021-110A

3	Butt Hinge	FBB168 4.5" x 4.5" NRP		26D ST
1	Lockset (Intruder)	9K3-0IN14D S3 SCH		626 BE
2	Conventional Core	23-013 (Everest T)		626 SC
1	Door Closer	QDC119		689 SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK		630 TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK		630 TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #43

Doors: 2021-111A

3	Butt Hinge	FBB168 4.5" x 4.5"		26D ST
1	Lockset (Intruder)	9K3-0IN14D S3 SCH		626 BE
2	Conventional Core	23-013 (Everest T)		626 SC
1	Door Closer	QDC115		689 SH

1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #44

Doors: 2010-105A, 2010-107A, 2010-154A, 2021-108A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Passage Set	9K3-0N14D S3	626	BE
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #45

Doors: 2010-108.1A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Passage Set	9K3-0N14D S3	626	BE
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
3	Silencer	1229A	GREY	TR

Set #46

Doors: 2010-138A, 2020-108A, 2021-103A, 2021-112A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Office)	9K3-0AB14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #47

Doors: 2021-107A

3	Butt Hinge	FBB168 4.5" x 4.5" NRP	26D	ST
1	Lockset (Office)	9K3-0AB14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC119	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #48

Doors: 2010-115A, 2010-149A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Office)	9K3-0AB14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #49

Doors: 2010-133A, 2010-134A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Office)	9K3-0AB14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Perimeter Gasketing	5050 B (Head & Jambs)		NA
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #50

Doors: 2010-108A, 2010-139.2A, 2010-139.4A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset	9K3-0AB14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
3	Silencer	1229A	GREY	TR

Set #51

Doors: 2010-111A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Lockset (Storeroom)	9K3-0D14D S3 SCH	626	BE
1	Conventional Core	23-013 (Everest T)	626	SC
1	Door Closer	QDC111	689	SH
1	Wall Bumper	1270CVSV	626	TR
3	Silencer	1229A	GREY	TR

Set #52

Doors: 2010-137A

3	Butt Hinge	FBB168 4.5" x 4.5"	26D	ST
1	Push Plate	1001-3	630	TR
1	Pull Plate	1017-3	630	TR

1	Door Closer	QDC111	689	SH
1	Kick Plate	K0050 x 10" x 2" LDW B4E-HEAVY-KP CSK	630	TR
1	Mop Plate	KM050 x 6" x 1" LDW B4E-HEAVY-KP CSK	630	TR
1	Wall Bumper	1270CVSV	626	TR
1	Threshold	64A x LAR		ZE

NOTE: Verify hinge preps in existing frame and provide hinges as required.

Set #53

Doors: 2010-126, 2010-128, 2010-174, 2010-176, 2010-177, 2010-179, 2030-114, 2030-115

1	Threshold	64A x LAR		ZE
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NOTE: No door. Provide new threshold only.

Set #54

Doors: 2010-157A

1	ALL HARDWARE IS EXISTING TO REMAIN			BY
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Set #55

Doors: 2010-147A

1	Conventional Core	23-013 (Everest T)	626	SC
1	Magnetic Hold Open	Existing to Remain		BY
1	Threshold	64A x LAR		ZE
1	BALANCE OF HARDWARE IS EXISTING TO REMAIN			

NOTE: Existing door and frame. Existing hinges to remain and be reused. Replace damaged or improperly working hinges with new hinges to match existing as required. For fire rated openings, verify existing hinges are steel, ball bearing hinges, listed for use on fire rated doors. Verify core / cylinder requirements and provide new cylinders as required. New Threshold.

Set #56

Doors: 2010-105B, 2010-106A, 2010-109A, 2010-112A, 2010-139.4B

1	Core	23-030 FSIC or 23-013 Conv. Core as required	626	SC
1	BALANCE OF HARDWARE IS EXISTING TO REMAIN			

NOTE: Existing door and frame. Existing hinges to remain and be reused. Replace damaged or improperly working hinges with new hinges to match existing as required. For fire rated openings, verify existing hinges are steel, ball bearing hinges, listed for use on fire rated doors. Verify core / cylinder requirements and provide new cylinders as required.

Set #57

Doors: 2030-101A, 2030-102A, 2030-103A, 2030-104A, 2030-106A, 2030-108A, 2030-109A, 2030-110A, 2030-111A, 2030-112A, 2030-113A, 2030-117A, 2030-118A, 2030-119A

1	Core	23-030 FSIC or 23-013 Conv. Core as required	626	SC
1	Threshold	64A x LAR		ZE
1	BALANCE OF HARDWARE IS EXISTING TO REMAIN			

NOTE: Existing door and frame. Replace existing hardware with new hardware listed above. Verify existing preps to door and frame and provide replacement hardware as required. Existing hinges to remain and be reused. Replace damaged or improperly working hinges with new hinges to match existing as required. For fire rated openings, verify existing hinges are steel, ball bearing hinges, listed for use on fire rated doors. Verify core / cylinder requirements and provide new cylinders as required. New Threshold.

Set #58

Doors: 2010-101D

1	Rim Cylinder	20-057 FSIC or 20-002 Conv. Core as required.	626	SC
1	Electric Strike	Existing Elec. Strike to remain		BY
1	Card Reader	Existing Card Reader to remain		BY
1	Door Position Switch	Provided by Security Contractor		BY
1	PIR Request to Exit Sw.	Existing PIR Req-to-Exit to remain		BY
1		BALANCE OF HARDWARE IS EXISTING TO REMAIN		

NOTE: Existing door and frame. Existing hinges to remain and be reused. Replace damaged or improperly working hinges with new hinges to match existing as required. For fire rated openings, verify existing hinges are steel, ball bearing hinges, listed for use on fire rated doors. Verify core / cylinder requirements and provide new cylinders as required.

Set #59

Doors: 2010-101A, 2010-101B, 2010-101C

1	Rim Cylinder	20-057 FSIC or 20-002 Conv. Core as required.	626	SC
1	Door Position Switch	Provided by Security Contractor		BY
1		BALANCE OF HARDWARE IS EXISTING TO REMAIN		

NOTE: Existing door and frame. Existing hinges to remain and be reused. Replace damaged or improperly working hinges with new hinges to match existing as required. For fire rated openings, verify existing hinges are steel, ball bearing hinges, listed for use on fire rated doors. Verify core / cylinder requirements and provide new cylinders as required.

Set #60

Doors: 2010-110A, 2030-105A

1	Threshold	64A x LAR		ZE
1		BALANCE OF HARDWARE IS EXISTING TO REMAIN		

NOTE: Existing door and frame. Replace damaged or improperly working hinges with new hinges to match existing as required. For fire rated openings, verify existing hinges are steel, ball bearing hinges, listed for use on fire rated doors. New Threshold.

Set #61

Doors: TEACHER'S CABINETS

3	Hinges	Existing to remain		BY
1	Lockset	7KC3-0D14D STK SCH	626	BE
1	Conventional Core	21-020 (Everest T)	626	SC
3	Silencer	1229B	GREY	TR

NOTE: Provide specified hardware for each Teacher's Cabinet. 54 single cabinets estimated. Verify actual cabinet quantity with owner.

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Opening List

Opening	Hardware Set
2010-126	53
2010-128	53
2010-130	24
2010-143	29
2010-174	53
2010-176	53
2010-177	53
2010-179	53
2030-114	53
2030-115	53
2010-101A	59
2010-101B	59
2010-101C	59
2010-101D	58
2010-102A	14
2010-102B	15
2010-102C	14
2010-102D	14
2010-103A	06
2010-103B	07
2010-104A	22
2010-104B	21
2010-105A	44
2010-105B	56
2010-106A	56
2010-107A	44
2010-108A	50
2010-109A	56
2010-110A	60
2010-111A	51
2010-112A	56
2010-113A	39
2010-114A	25
2010-115A	48
2010-116A	24
2010-117A	21
2010-118A	21
2010-119A	21
2010-120A	21
2010-121A	21
2010-122A	21
2010-123A	21
2010-124A	21
2010-125A	21
2010-127A	24
2010-129A	24
2010-131A	16
2010-131B	03
2010-132A	06
2010-132B	07
2010-133A	49

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2010-134A	49
2010-136A	37
2010-137A	52
2010-138A	46
2010-140A	35
2010-141A	17
2010-141B	06
2010-142A	18
2010-142B	06
2010-142C	07
2010-144A	25
2010-145A	33
2010-145B	34
2010-145C	33
2010-147A	55
2010-148A	10
2010-149A	48
2010-150A	26
2010-151A	25
2010-152A	35
2010-153A	32
2010-154A	44
2010-155A	02
2010-156A	12
2010-157A	54
2010-160A	04
2010-160B	05
2010-161A	21
2010-162A	21
2010-163A	21
2010-164A	21
2010-165A	21
2010-166B	05
2010-167A	21
2010-168A	21
2010-169A	21
2010-170A	21
2010-171A	21
2010-172A	21
2010-173A	21
2010-175A	24
2010-178A	24
2010-180A	21
2010-181A	21
2010-182A	21
2010-183A	21
2020-100A	19
2020-101A	21
2020-102A	29
2020-103A	23
2020-104A	27
2020-105A	39
2020-106A	18
2020-106B	08

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2020-106C	08
2020-107A	20
2020-107B	11
2020-108A	46
2020-109A	31
2020-109B	36
2020-109C	36
2020-110A	31
2020-110B	36
2020-110C	36
2020-111A	21
2020-112A	30
2020-113A	06
2020-166A	04
2021-100A	06
2021-100B	07
2021-100C	06
2021-100D	07
2021-101A	28
2021-101B	28
2021-101C	04
2021-101D	05
2021-102A	28
2021-102B	39
2021-102C	06
2021-103A	46
2021-104A	40
2021-106A	35
2021-107A	47
2021-108A	44
2021-109A	41
2021-110A	42
2021-111A	43
2021-112A	46
2021-113A	09
2030-100A	01
2030-100B	01
2030-101A	57
2030-102A	57
2030-103A	57
2030-104A	57
2030-105A	60
2030-106A	57
2030-107A	13
2030-108A	57
2030-109A	57
2030-110A	57
2030-111A	57
2030-112A	57
2030-113A	57
2030-116A	03
2030-117A	57
2030-118A	57
2030-119A	57

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2010-108.1A	45
2010-139.1A	32
2010-139.2A	50
2010-139.3A	38
2010-139.4A	50
2010-139.4B	56
Teacher's Cabinets	61

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