Chiang | O'Brien
ARCHITECTS

FERRANTE HALL RENOVATIONS PHASE 1

Onondaga Community College

Addendum

2

Bidding Documents, Project Manual, and Construction Drawings for:

Bid Reference Nr: 8687
Project #: COB 1704
Date: 01 May 2017

This Addendum contains changes to the requirements of the Bidding Documents, Project Manual, and Construction Drawings that have been issued to date. Such changes are to be incorporated into the Construction and shall apply to the Work with the same meaning and force as if they had been included in the original documents. Wherever this Addendum modifies a portion of a paragraph of the Project Manual or a portion of any Drawing, the remainder of the paragraph or Drawing shall remain in force.

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1. **Part 1: Procurement and Contracting Requirements**
   1.1. The Bid Due Date has been extended to Tuesday, May 9, 2017, at 2:00pm. Location remains Onondaga County Division of Purchasing.

2. **Part 2: Contract Documents – General**
   2.1. n/a

3. **Part 3: Contract Documents - Specifications**
   3.1. Section 08 71 00 – DOOR HARDWARE
      3.1.1. **REPLACE** specification section in its entirety with the attached specification section. All edits are identified by a vertical line in the margin.

4. **Part 4: Contract Documents – Drawings**
   4.1. n/a

5. **NOTIFICATION**

   This Addendum document is issued by Onondaga County Division of Purchasing, Andrew Trombley, Director.

   By: Andrew Trombley

   Date: 01 May 2017

End of Addendum Two

SECTION 08 71 00 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section Includes:

1. Mechanical door hardware for swinging doors.
2. Cylinders for door hardware specified in other Sections.
3. Electrified door hardware.

B. Related Requirements:

1. Section 08 33 23 "Overhead Coiling Doors" for door hardware provided as part of overhead coiling door assemblies.
2. Section 08 41 13 "Aluminum-Framed Entrances and Storefronts" for entrance door weatherstripping and thresholds.
3. Section 08 71 13 "Automatic Door Operators" for low-energy power operators and low-energy power-assist operators.
4. Section 28 13 00 "Door Access Control & Electronic Hardware Support" for access control devices installed at door openings and provided as part of a security system.
5. Section 28 31 11 "Digital, Addressable Fire-Alarm System" for connections to building fire-alarm system.

1.3 COORDINATION

A. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

B. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

C. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with Electrical Contractor for connections to power supplies and building safety and security systems.

1. Refer to "Table of Responsibilities" in Section 28 13 00 "Door Access Control & Electronic Hardware Support."

D. Existing Openings: Where hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide proper door operation.

1. Modify existing hollow metal frames as required for new hardware. Weld in metal plates, fill with metal putty, and grind smooth in preparation for field painting.

1.4 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Conference participants shall include Installer's Architectural Hardware Consultant and Owner's security consultant.

B. Keying Conference: Conduct conference at Project site.

1. Conference participants shall include Installer's Architectural Hardware Consultant and Owner's security consultant.
2. Incorporate conference decisions into keying schedule after reviewing door hardware keying system including, but not limited to, the following:

a. Flow of traffic and degree of security required.
b. Preliminary key system schematic diagram.
c. Requirements for access control.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.

B. Shop Drawings: For electrified door hardware.

1. Include diagrams for power, signal, and control wiring.
2. Include details of interface of electrified door hardware and building safety and security systems.

C. Door Hardware Schedule: Prepared by or under the supervision of Installer's Architectural Hardware Consultant. Coordinate door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Submittal Sequence: Submit door hardware schedule concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate the fabrication of other work that is critical in Project construction schedule.

2. Format: Use same scheduling sequence and format and use same door numbers as in door hardware schedule in the Contract Documents.
3. Content: Include the following information:

    a. Identification number, location, hand, fire rating, size, and material of each door and frame.
    b. Locations of each door hardware set, cross-referenced to Drawings on floor plans and to door and frame schedule.
    c. Complete designations, including name and manufacturer, type, style, function, size, quantity, function, and finish of each door hardware product.
    d. Description of electrified door hardware sequences of operation and interfaces with other building control systems.
    e. Fastenings and other installation information.
    f. Explanation of abbreviations, symbols, and designations contained in door hardware schedule.
    g. Mounting locations for door hardware.
    h. List of related door devices specified in other Sections for each door and frame.

D. Keying Schedule: Prepared by or under the supervision of Installer's Architectural Hardware Consultant, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations that are coordinated with the Contract Documents.

1.6 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer and Architectural Hardware Consultant.

B. Product Test Reports: For compliance with accessibility requirements, for tests performed by manufacturer and witnessed by a qualified testing agency, for door hardware on doors located in accessible routes.

C. Sample Warranty: For special warranty.

1.7 CLOSEOUT SUBMITTALS

A. Maintenance Data: For each type of door hardware to include in maintenance manuals.

B. Schedules: Final door hardware and keying schedule.

1.8 QUALITY ASSURANCE

A. Installer Qualifications: Supplier of products and an employer of workers trained and approved by product manufacturers and of an Architectural Hardware Consultant who is available during the course of the Work to consult Contractor, Architect, and Owner about door hardware and keying.

1. Scheduling Responsibility: Preparation of door hardware and keying schedule.

2. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.

B. Architectural Hardware Consultant Qualifications: A person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and who is currently certified by DHI as an Architectural Hardware Consultant (AHC) and an Electrified Hardware Consultant (EHC).

1.9 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.

B. Tag each item or package separately with identification coordinated with the final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.

C. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

1.10 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Structural failures including excessive deflection, cracking, or breakage.
b. Faulty operation of doors and door hardware.
c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.

2. Warranty Period: Three years from date of Substantial Completion unless otherwise indicated below:

a. Manual Closers: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain each type of door hardware from single manufacturer.

1. Provide electrified door hardware from same manufacturer as mechanical door hardware unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.

2.2 PERFORMANCE REQUIREMENTS

A. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

B. Means of Egress Doors: Latches do not require more than 15 lbf to release the latch. Locks do not require use of a key, tool, or special knowledge for operation.

C. Accessibility Requirements: For door hardware on doors in an accessible route, comply with the DOJ's "2010 ADA Standards for Accessible Design" and ICC A117.1.

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf.
2. Comply with the following maximum opening-force requirements:

    a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf applied perpendicular to door.

3. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than ½ inch high.
4. Adjust door closer sweep periods so that, from an open position of 90 degrees, the door will take at least 5 seconds to move to a position of 12 degrees from the latch.

2.3 SCHEDULED DOOR HARDWARE

A. Provide products for each door that comply with requirements indicated in Part 2 and door hardware schedule.

1. Door hardware is scheduled in Part 3 of this Section.

2.4 HINGES

A. Hinges: BHMA A156.1. Provide template-produced hinges for hinges installed on hollow-metal doors and hollow-metal frames.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

    a. Hager Companies.
    b. McKinney Products Company; an ASSA ABLOY Group company.
    c. Stanley Commercial Hardware; a division of Stanley Security Solutions.

2.5 MECHANICAL LOCKS AND LATCHES

A. Lock Functions: As indicated in door hardware schedule.

B. Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows:

1. Mortise Locks: Minimum ¾-inch latchbolt throw.

C. Lock Backset: 2¾ inches unless otherwise indicated.

D. Lock Trim:

1. Description: As indicated on hardware schedule by reference to manufacturer's design designation.
2. Levers: Forged or cast.
3. Escutcheons (Roses): Forged or cast.

E. Strikes: Provide manufacturer's standard strike for each lock bolt or latchbolt complying with requirements indicated for applicable lock or latch and with strike box and curved lip extended to protect frame; finished to match lock or latch.

1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
2. Aluminum-Frame Strike Box: Manufacturer's special strike box fabricated for aluminum framing.

F. Mortise Locks: BHMA A156.13; Operational Grade 1; stamped steel case with steel or brass parts; Series 1000.

1. Basis-of-Design Product: Subject to compliance with requirements, provide products by the following:

a. SARGENT Manufacturing Company; ASSA ABLOY.

2.6 ELECTROMECHANICAL LOCKS

A. Electromechanical Locks: BHMA A156.25; Grade 1; motor or solenoid driven; with strike that suits frame.

1. Basis-of-Design Product: Subject to compliance with requirements, provide products by the following:

a. SARGENT Manufacturing Company; ASSA ABLOY.

2. Type: Mortise latchbolt.

2.7 ELECTRICAL POWER TRANSFER

A. Concealed Electric Power Transfer: Device mortises into frame and door edge and transfers power to operate electrified locks, latches, and other electrified hardware.

1. Product: Subject to compliance with requirements, provide the following:

a. Securitron Magnalock Corporation, an ASSA ABLOY Group company; *EL-CEPT*.

2. Electrical: 24VDC, 12-22 AWG wires with quick connectors, minimum 6-inch frame leads.

2.8 AUTOMATIC AND SELF-LATCHING FLUSH BOLTS

A. Automatic and Self-Latching Flush Bolts: BHMA A156.16; minimum ¾-inch throw; designed for mortising into door edge. Include wear plates.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

a. Allegion plc.; IVES.
b. Door Controls International, Inc.
c. Rockwood Manufacturing Company; an ASSA ABLOY Group company.

2.9 EXIT DEVICES AND AUXILIARY ITEMS

A. Exit Devices and Auxiliary Items: BHMA A156.3.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

a. Allegion plc.; Von Duprin.
b. SARGENT Manufacturing Company; ASSA ABLOY.
~~c. Yale Security Inc; an ASSA ABLOY Group company.~~

2.10 LOCK CYLINDERS

A. Lock Cylinders: Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver.

1. Basis-of-Design Product: Subject to compliance with requirements, provide the following:

a. SARGENT Manufacturing Company; ASSA ABLOY; *Keso*.

B. High-Security Lock Cylinders: BHMA A156.30; Grade 1 permanent cores that are removable; face finished to match lockset.

C. Provide core and lock cylinder for each hardware device that accepts a cylinder, and for other devices specified in other sections.

D. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys.

2.11 KEYING

A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, appendix. Provide one additional change key per core.

1. Existing System: Key all cores to existing Sargent Keso factory controlled keying system as directed by Owner.

B. Keys: Nickel silver.

2.12 OPERATING TRIM

A. Operating Trim: BHMA A156.6; stainless steel unless otherwise indicated.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

a. Hager Companies.
b. Rockwood Manufacturing Company; an ASSA ABLOY Group company.

2. Push/Pull Mounting: Fully concealed with no visible fasteners.

2.13 SURFACE CLOSERS

A. Surface Closers: BHMA A156.4; rack-and-pinion hydraulic type with adjustable sweep and latch speeds controlled by key-operated valves and forged-steel main arm. Comply with manufacturer's written instructions for size of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Provide factory-sized closers, adjustable to meet field conditions and requirements for opening force.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

a. Allegion plc.; LCN.
b. Norton Door Controls; an ASSA ABLOY Group company.
c. SARGENT Manufacturing Company; ASSA ABLOY.

2.14 MECHANICAL STOPS AND HOLDERS

A. Wall- and Floor-Mounted Stops: BHMA A156.16.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

    a. Allegion plc.; IVES.
    b. Hager Companies.
    c. Rockwood Manufacturing Company; an ASSA ABLOY Group company.

2.15 ELECTROMAGNETIC STOPS AND HOLDERS

A. Electromagnetic Door Holders: BHMA A156.15, Grade 1; wall-mounted electromagnetic single unit with strike plate attached to swinging door; coordinated with fire detectors and interface with fire-alarm system for labeled fire-rated door assemblies.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

    a. Hager Companies.
    b. SARGENT Manufacturing Company; ASSA ABLOY.

2.16 OVERHEAD STOPS AND HOLDERS

A. Overhead Stops and Holders: BHMA A156.8.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

    a. Rixson Specialty Door Controls; an ASSA ABLOY Group company.
    b. SARGENT Manufacturing Company; ASSA ABLOY.
    c. Rockwood Manufacturing Company; an ASSA ABLOY Group company.

2.17 DOOR GASKETING

A. Door Gasketing: BHMA A156.22; with resilient or flexible seal strips that are easily replaceable and readily available from stocks maintained by manufacturer.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

    a. National Guard Products, Inc.
    b. Reese Enterprises, Inc.
    c. Zero International, Inc.

2.18 THRESHOLDS

A. Thresholds: BHMA A156.21; fabricated to full width of opening indicated.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

    a. National Guard Products, Inc.
    b. Reese Enterprises, Inc.
    c. Zero International, Inc.

2.19 METAL PROTECTIVE TRIM UNITS

A. Metal Protective Trim Units: BHMA A156.6; fabricated from 0.050-inch- thick stainless steel; with manufacturer's standard machine or self-tapping screw fasteners.

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated in door hardware schedule or comparable product by one of the following:

    a. Allegion plc.; IVES.
    b. Burns Manufacturing Incorporated.
    c. Rockwood Manufacturing Company; an ASSA ABLOY Group company.

2.20 FABRICATION

A. Manufacturer's Nameplate: Do not provide products that have manufacturer's name or trade name displayed in a visible location except in conjunction with required fire-rating labels and as otherwise approved by Architect.

1. Manufacturer's identification is permitted on rim of lock cylinders only.

B. Base Metals: Produce door hardware units of base metal indicated, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18.

C. Fasteners: Provide door hardware manufactured to comply with published templates prepared for machine, wood, and sheet metal screws. Provide screws that comply with commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware unless otherwise indicated.

1. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners. Do not use through bolts for installation where bolt head or nut on opposite face is exposed unless it is the only means of securely attaching the door hardware. Where through bolts are used on hollow door and frame construction, provide sleeves for each through bolt.
2. Gasketing Fasteners: Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.

2.21 FINISHES

A. Provide finishes complying with BHMA A156.18 as indicated in door hardware schedule.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance of the Work.

B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Steel Frames: For surface-applied door hardware, drill and tap frames according to ANSI/SDI A250.6.

B. Wood and FRP Doors: Comply with door and hardware manufacturers' written instructions.

3.3 INSTALLATION

A. Mounting Heights: Mount door hardware units at heights to comply with the following unless otherwise indicated or required to comply with governing regulations.

1. Wood Doors: DHI's "Recommended Locations for Architectural Hardware for Wood Flush Doors."

B. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work. Do not install surface-mounted items until finishes have been completed on substrates involved.

1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

C. Hinges: Install types and in quantities indicated in door hardware schedule, but not fewer than the number recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.

D. Lock Cylinders: Install construction cores to secure building and areas during construction period.

1. Furnish permanent cores to Owner for installation.

E. Boxed Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings. Verify location with Architect.

1. Configuration: Provide least number of power supplies required to adequately serve doors with electrified door hardware.

F. Thresholds: Set thresholds for exterior doors and other doors indicated in full bed of sealant complying with requirements specified in Section 07 92 00 "Joint Sealants."

G. Stops: Provide wall stops for doors unless overhead or other type stops are indicated in door hardware schedule.

H. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

1. Do not notch perimeter gasketing to install other surface-applied hardware.

I. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

J. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

3.4 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

B. Occupancy Adjustment: Approximately six months after date of Substantial Completion, Installer's Architectural Hardware Consultant shall examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors, door hardware, and electrified door hardware.

3.5 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items as necessary to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure that door hardware is without damage or deterioration at time of Substantial Completion.

3.6 DOOR HARDWARE SCHEDULE

QTY	ITEM	MFR	MODEL	SIZE	FINISH
Hardware Set #1 *Entrance Door Card Access and Power Operator*					
1½	Pair Butts	McKinney	TB2314-NRP	4½ x 4½	630
1	Mortise Exit Device	Sargent	55-56-8976 ETL	24V	630
1	Cylinder	Sargent	Keso 176		626
1	Power Transfer	Securitron	EL-CEPT		626
1	Power Supply	Sargent	3500 Series	24V	
1	Door Contact	GE Interlogix	1076 Series	12V	Gray
1	Card Reader	Work of Electrical Contract			
1	Power Operator	Section 08 71 13			
1	Wall Stop*	Rockwood	475		626
1	Weatherstripping	Section 08 41 13			
1	Bottom Sweep	Section 08 41 13			
1	Threshold	Section 08 41 13			
Normal Hours of Operation:		• Outside lever electrically unlocked by control system. • Latchbolt retracted manually by lever or electrically by activation of automatic operator. • Operator causes door to open and close, relatching. • Door contact detects door held open. • Exit device with request-to-exit (REX) always opens door to exit. • Activation of inside operator retracts latchbolt and opens door. • Door relatches upon closing; outside lever remains unlocked.			
Outside Normal Hours of Operation:		• Outside lever electrically locked by control system. • Card reader unlocks lever. • Latchbolt retracted manually by lever or electrically by activation of automatic operator. • Outside lever locks upon closing. • Door contact detects door held open. • Exit device with request-to-exit (REX) always opens door to exit. • Activation of inside operator retracts latchbolt and opens door; outside lever remains locked.			
Hardware Set #2 *Entrance Door Card Access*					
1½	Pair Butts	McKinney	TB2314-NRP	4½ x 4½	630
1	Mortise Exit Device	Sargent	55-8976 ETL	24V	630

QTY	ITEM	MFR	MODEL	SIZE	FINISH
1	Cylinder	Sargent	Keso 176		626
1	Power Transfer	Securitron	EL-CEPT		626
1	Power Supply	Sargent	3500 Series	24V	
1	Door Contact	GE Interlogix	1076 Series	12V	Gray
1	Card Reader	Work of Electrical Contract			
1	Push-Side Closer	Norton	P 7500 M DA		689
1	Wall Stop*	Rockwood	475		626
1	Weatherstripping	Section 08 41 13			
1	Bottom Sweep	Section 08 41 13			
1	Threshold	Section 08 41 13			
Normal Hours of Operation:		• Outside lever electrically unlocked by control system. • Latchbolt retracted manually by lever. • Door relatches upon closing. • Exit device with request-to-exit (REX) always opens door to exit. • Door relatches upon closing; outside lever remains unlocked.			
Outside Normal Hours of Operation:		• Outside lever electrically locked by control system. • Card reader unlocks lever. • Latchbolt retracted manually by lever. • Outside lever locks upon closing. • Exit device with request-to-exit (REX) always opens door to exit. • Door relatches upon closing; outside lever remains locked.			

Hardware Set #3 *Entrance Door Remote Locking*					
1½	Pair Butts	McKinney	TB2314-NRP	4½ x 4½	630
1	Mortise Exit Device	Sargent	55-8976 ETL		630
1	Cylinder	Sargent	Keso 176		626
1	Power Transfer	Securitron	EL-CEPT		626
1	Power Supply	Sargent	3500 Series	24V	
1	Door Contact	GE Interlogix	1076 Series	12V	Gray
1	Push-Side Closer	Norton	P 7500 M DA		689
1	Wall Stop*	Rockwood	475		626
1	Weatherstripping	Section 08 41 13			
1	Bottom Sweep	Section 08 41 13			
1	Threshold	Section 08 41 13			
Operation:		• Outside lever electrically locked/unlocked by control system. • Door contact detects door held open. • Exit device with request-to-exit (REX) always opens door to exit.			

Hardware Set #4 *Vestibule Door Push/Pull and Power Operator*					
1½	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Push/Pull	Rockwood	107x73B/73BL	8x¾ pull	630
1	Power Operator	Section 08 71 13			
1	Weatherstripping	Zero	326AA		628
1	Sweep	Zero	328AA		628
1	Threshold	Zero	545A		MIL

QTY	ITEM	MFR	MODEL	SIZE	FINISH
Hardware Set #5 *Vestibule Door Push/Pull*					
1½	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Push/Pull	Rockwood	107x73B/73BL	8x¾ pull	630
1	Push-Side Closer	Norton	P 7500 M DA		689
1	Wall Stop*	Rockwood	475		626
1	Weatherstripping	Zero	326AA		628
1	Sweep	Zero	328AA		628
1	Threshold	Zero	545A		MIL
Hardware Set #6 *Exterior FRP Pair*					
3	Pair Butts	McKinney	TB2314-NRP	4½ x 4½	630
1	Mortise Lockset	Sargent	8204 LNL		630
1	Cylinder	Sargent	Keso 172		626
1	Flush Bolt Set	Rockwood	2945		630
1	Push-Side Closer	Norton	P 7500 M DA		689
2	Overhead Stop/Holder	Rockwood	OH100 Series		630
2	Kick Plate	Rockwood	K1050	10"	630
2	Weatherstripping	Zero	326AA		628
1	Astragal Set	Zero	1040/41AA		628
2	Sweep	Zero	328AA		628
1	Threshold Full Width	Zero	545A		MIL
Hardware Set #7 *Exterior FRP Door*					
1½	Pair Butts	McKinney	TB2314-NRP	4½ x 4½	630
1	Mortise Lockset	Sargent	8204 LNL		626
1	Cylinder	Sargent	Keso 172		626
1	Pull-Side Closer	Norton	7500 M DA		689
1	Wall Stop*	Rockwood	475		626
1	Weatherstripping	Zero	326AA		628
1	Sweep	Zero	328AA		628
1	Threshold	Zero	545A		MIL
Hardware Set #8 *Classroom with Exit Device*					
1½	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Mortise Exit Device	Sargent	8913 ETL		626
1	Cylinder	Sargent	Keso 172		626
1	Push-Side Closer	Norton	P 7500 M DA		689
1	Wall Stop*	Rockwood	406		626
3	Silencers	Rockwood	608		GRY
Hardware Set #9 *Classroom*					
1½	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Mortise Lockset	Sargent	8237 LNL		626
1	Cylinder	Sargent	Keso 172		626
1	Wall Stop*	Rockwood	406		626
3	Silencers	Rockwood	608		GRY

QTY	ITEM	MFR	MODEL	SIZE	FINISH
Hardware Set #10 *Interior Pair*					
3	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Mortise Lockset	Sargent	8237 LNL		626
1	Cylinder	Sargent	Keso 172		626
1	Flush Bolt Set	Rockwood	2945		630
2	Overhead Stop/Holder	Rockwood	OH100 Series		630
2	Kick Plate	Rockwood	K1050	10"	630
4	Silencers	Rockwood	608		GRY
Hardware Set #11 *Office*					
1½	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Mortise Lockset	Sargent	8205 LNL		626
1	Cylinder	Sargent	Keso 172		626
1	Wall Stop*	Rockwood	406		626
3	Silencers	Rockwood	608		GRY
Hardware Set #12 *Toilet/Locker*					
1½	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Push/Pull	Rockwood	107x73B/73BL	8x¾ pull	630
1	Pull-Side Closer	Norton	7500 M DA		689
1	Wall Stop	Rockwood	475		626
3	Silencers	Rockwood	608		GRY
Hardware Set #13 *Mechanical*					
1½	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Mortise Lockset	Sargent	8204 LNL		626
1	Cylinder	Sargent	Keso 172		626
1	Closer	Norton	7500 M DA		689
3	Silencers	Rockwood	608		GRY
Hardware Set #14 *Closet*					
1½	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Mortise Lockset	Sargent	8204 LNL		626
1	Cylinder	Sargent	Keso 172		626
3	Silencers	Rockwood	608		GRY
Hardware Set #15 *Shaft*					
1	Pair Butts	McKinney	TB2714	4½ x 4½	626
1	Mortise Deadlock	Sargent	8220		626
1	Sound Stripping	Zero	845A		628
Hardware Set #16 *Double Egress Doors*					
3	Pair Butts	McKinney	TB2714	4½ x 4½	626
2	SVR Exit Devices	Sargent	NB8710		630

QTY	ITEM	MFR	MODEL	SIZE	FINISH
2	Push-Side Closer	Norton	P 7500 M		689
2	Electromagnetic Holder	Sargent	1560	120VAC	689
2	Kick Plate	Rockwood	K1050	10"	630
4	Silencers	Rockwood	608		GRY
* Suffix "A" after Set # substitute following stop:					
1	Overhead Stop	Rockwood	OH100 Series		630

END OF SECTION 08 71 00

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