



**Purchasing Department
109 Benson Street
Walterboro, SC 29488
843.782.0504**

**BID: FM-61
CORONER'S FACILITY RENOVATION PROJECT**

Due: Wednesday, September 23, 2026, at 11:00 am

**ADDENDUM 1
Date: September 10, 2026**

The following questions have been submitted for clarification:

1. Is door 116 to be impact-rated? **No**
2. Is threshold detail S9 on sheet A701 to be used at door #116? **YES**
3. What is interior frame B? ***This designation is not used***
4. What is the ballistic rating for the ballistic window? ***Basis of Design: Safe Wood Designs TW-ST-4040-MAP12-UL03 or approved equal.***
5. What is the ACT color and texture? ***See Specification 095113 for Acoustical Panel Ceiling information.***
6. What is the fence height on all new fences? ***8 Feet Tall***
7. Please provide the height of the structure above for Type "A" and "B" Walls, as no structural drawings were provided. ***No, existing drawings are available. Structure is approximately 12' A.F.F.***
8. Please provide structural drawings for the canopy concrete as concerned with codes for hurricane, etc. ***See Specification 107300 for Aluminum Canopy Requirements.***
9. Please provide specifications for the canopy. ***See Specifications 107300***
10. Please provide specifications for the fence, sliding gate (manual or electric), etc.
See Specification 323113
11. Please provide Civil drawings regarding the right side of the building for the concrete slabs and canopy. ***A001 is a site plan with information for revisions to site-related items. There are no Civil Drawings.***

12. Drawing AD101 does not mention anything about the concrete curb, fenced area, asphalt, etc., other than the concrete sidewalk. **Remove portions of existing asphalt and sidewalk as necessary to install new concrete slabs as shown on A001**
13. Drawing P-101 plan east side of the building notes to complete tie-in per civil drawings; however, there are no civil drawings provided. Please update how this sanitary sewer line needs to be tied in. **No civil drawings are provided for the project. The sanitary line will need to be connected to the existing sanitary line.**
14. A/403 051200. E calls for stainless steel plate; see S Sheets. I believe this needs reference 102800.I. **Correct. Replace this callout with 102800.I**
15. C5/A403 and C7/A403 say see note three; however, there is no note three. **All Note 3 on sheet A403 should be revised to Note 2.**
16. A403 096513. F calls for resilient 6" base by owner, which does not match the finish schedule. **096513. F and finish schedule should be revised to read 4" Resilient Base.**
17. Section 024119 Selective Demolition, Related Requirements, cites Section 011000 "Summary" for restrictions on use of the premises, Owner-occupancy requirements, and phasing. Section 017300 "Execution" is also cited for cutting and patching. Electrical specifications cite Section 260011 "Facility Performance Requirements for Electrical." None of these sections appear in 5-specs.pdf, which begins at Section 024119. Please issue the missing Division 01 and any other omitted sections or confirm they do not apply and identify the controlling language for occupancy, phasing, work restrictions, allowances, alternates, and cutting/patching. **Disregard Related Requirements in Specification 024119**
18. Q2. Exhibit "A" — Mobi Medical quote is a Contract Document but is not in the bid book. **General Contractor is to contract with the supplier for all listed items.**
19. Contract Article 8 lists Exhibit "A" — Mobi Medical Quote as a Contract Document. The bid form prices "Mobi Medical / Appendix A" at \$178,003.44, but the actual quote, itemized equipment list, exclusions, freight, startup, training, warranty, and lead times are not in the posted bid book. Please issue the current Mobi Medical quote and state: (a) whether \$178,003.44 is a stipulated allowance or a fixed pass-through; (b) what is included (equipment only vs. freight, rigging, install, startup, training, tax); (c) whether the Construction Bid line must also include install labor and utilities rough-in; and (d) who holds the purchase contract and warranty — Owner or GC. **General Contractor**
20. Working hours. General Conditions §6.02 limits Work to business days during "regular working hours" and prohibits Saturday, Sunday, or legal-holiday work without written Owner consent. "Regular working hours" are not defined. Please state permitted hours, whether weekend work will be allowed for equipment set or utility changeover, and any noise/access restrictions because of adjacent County occupancy. **Work can be performed 7 days a week at the general contractor's discretion**
21. As-built information and concealed conditions. Drawings show extensive tie-ins to existing plumbing (P-EX fixtures, existing VTR reuse, existing water main). Are as-builts, original construction drawings, or a facility assessment available? Who bears the cost if existing utilities are not where shown, are undersized, or must be replaced to serve the morgue/cooler/autopsy loads? **Limited information regarding existing conditions was available during design, and no as-built documents were provided. The demolition plans require the contractor to verify existing underground utilities and piping through X-ray, GPR, or equivalent investigative means prior to demolition and construction. Any unforeseen conditions encountered in the field shall be documented and brought to the Owner's attention for direction.**

22. Conflict on alternates. IFB §14.09 requires bidders to quote all Alternates. Bid Form §7.01 states "No Alternates." Please confirm there are no bid alternates. **There are no Bid Alternates**
23. Walk-in cooler/body storage — whose scope? Drawings show a cooler/locker and a walk-in cooler. Specifications include "Refrigeration Split System Unit Cooler and Condensing Unit (FCU2/CU-1)." Appendix A / Mobi Medical is also a morgue equipment package. Please state which cooler box, racks, doors, refrigeration, controls, and alarms are by Mobi, which are by the GC / mechanical sub, and who provides emergency power to the cooler. **The mechanical subcontractor is responsible for the cooling components of the walk-in cooler. The electrical subcontractor is responsible for emergency and standard power for the walk-in cooler. The MOBI Medical includes all items listed. The General Contractor is responsible for all other items.**
24. Q19. Generator, ATS, and fuel. Specifications include Section 263213.16 Gas-Engine-Driven Generator Sets and Section 263600 Transfer Switches. Confirm whether a new generator is in the base bid, size/fuel (natural gas vs. diesel), location, which loads are on emergency power (especially body cooler, autopsy exhaust, lighting, and IT), and whether an existing generator remains. **The generator is natural gas per drawings and specifications. Location is as indicated on Drawing E010. The generator serves the entire building, as indicated on Drawing E501. There is no existing generator in the project.**
25. Q20. Fire alarm, sprinkler, and suppression. Specifications discuss coordination with sprinklers and fire alarm but do not include a fire-alarm or fire-sprinkler specification section. Is the building sprinkled? Is a new or modified fire-alarm system in the base bid? Who designs, permits, and tests those systems? **The building is currently not sprinkled and will not be sprinkled. Per NFPA and IBC the building does not need a fire alarm system.**
26. Q21. Low-voltage, access control, cameras, and communications cabling. Specifications include only Section 270528 Pathways for Communications Systems. Who furnishes and installs horizontal cabling, racks, wireless, access control, video surveillance, intercom / sally-port controls, and door hardware electrification? Pathway-only, or complete working systems? **Pathway only per drawings and specifications.**
27. Q22. Natural gas availability. Drawings show natural-gas piping to equipment (water heater, DOAU-1, and possibly the generator). Confirm an adequate gas service exists at 101 Mable T. Willis Blvd, the point of connection, who pays the utility for service upgrade, and whether propane is an acceptable alternate. **Per the gas company, the connection point to the building is at 101 Mable T Willis Blvd. It is the contractor's responsibility to contact the gas company, and the contractor will include the cost of bringing the new gas line to the building**
28. Q23. HVAC basis of design for autopsy/cooler. Please confirm required autopsy-room air-change rates, exhaust (dedicated vs. general), negative pressure, filtration, and whether the packaged rooftop unit and split systems shown are the complete HVAC scope. Are there owner-furnished controls besides Section 230900? **Per drawing M102, the autopsy room shall have 20 air changes. The room shall have 1835 CFM exhaust, 200 CFM transfer out, 300 CFM transfer in. Controls for the space are specified in section 230900.**
29. Q24. Canopy and site / civil scope. Section 107300 covers an aluminum post-supported canopy and the reflected ceiling plan shows Canopy 128 at approximately 34'-4". Confirm foundation design responsibility, whether civil / grading/drainage/paving beyond the canopy is in the Work, and whether a storm-drainage connection shown in the plumbing specs is existing or new. **New Aluminum post-supported canopy as specified in 107300 and dimensioned on sheets A101, A120, A201, etc. is required. Foundation is delegated design;**

see specification 107300. New concrete slab under the canopy as shown. Regrading only required around new paving and sidewalks. No storm-drainage connection is required at the canopy.

30. Q25. Permits, impact fees, and authority having jurisdiction. IFB requires the GC to obtain and pay for all construction permits and hold all trade contracts. Please identify the AHJ (City of Walterboro, Colleton County, and/or State), whether plan review fees, tap fees, and impact fees are by Owner or Contractor, and the current status of any already-submitted permit set. **Contractor is responsible for ALL FEES**
31. Local Vendor Preference. IFB §13.05 cites Colleton Purchasing Ordinance §3.08.185 Local Vendor Preference as a possible factor in determining the lowest responsible bidder. Please state how that preference will be applied on this sealed hard bid (percentage, residency test, and whether a Georgia contractor with SC license is eligible). **See ordinance listed**
32. Q30. Warranty and bond duration. Article 23 requires a 730-day warranty from Substantial Completion, a further 365 days on repaired items, and that surety bonds cover those periods and be reissued if needed. Please confirm performance and payment bonds must remain in force for two years after Substantial Completion, and whether manufacturer warranties shorter than two years must be supplemented by the GC. **If it's listed in the bond, then that is legal for keeping it for the duration**
33. Please provide Note 3 on A403 (evidence storage). **Note 3 designation on sheet A403 to be changed to Note 2**
34. Please provide Specs for bathroom accessories. **See 102800**
35. Please provide concrete slab detail (described in words as a note). **Use note**
36. Please provide wall types and insulation. **See A700**
37. Please provide flooring product and manufacturers. **See Specifications**
38. Please provide qualifications for installers on the terrazzo. **See 096726 for Seamless Epoxy Flooring requirements**
39. Please provide note 2 on A701. **Note 2 – See Door Schedule**
40. Please provide countertop specs. **See 103661.16**
41. Please provide fence details. **Details not provided; see specification 323113**
42. Please provide current storefront manufacturer to match existing; is this impact rated? No Information on existing. No, **it is not impact rated.**
43. What is the glass tint and low-e specification on storefront glass? **See Glazing Specification 088000**
44. Please provide the plumbing fixture manufacturer. **See Specification 22 42 00**
45. Is it expected that door 123A for the autopsy room #123 be gasketed for an airtight seal? **See Door Hardware Specification 087100 as part of this addendum**

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
 - 1. Swinging doors.
- B. Door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
 - 2. Electromechanical door hardware.
 - 3. Cylinders specified for doors in other sections.
- C. Related Sections:
 - 1. Division 01 Section "General Conditions".
 - 2. Division 06 Section "Rough Carpentry".
 - 3. Division 06 Section "Finish Carpentry".
 - 4. Division 08 Section "Operations and Maintenance".
 - 5. Division 08 Section "Hollow Metal Doors and Frames".
 - 6. Division 08 Section "Aluminum-Framed Entrances and Storefronts".
 - 7. Division 26 Section "Electrical"
- D. Codes and References: Comply with the version adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. ICC/IBC - International Building Code.
 - 3. NFPA 70 - National Electrical Code.
 - 4. NFPA 80 - Fire Doors and Windows.
 - 5. NFPA 101 - Life Safety Code.
 - 6. NFPA 105 - Installation of Smoke Door Assemblies.
 - 7. State Building Codes, Local Amendments.
- E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:
 - 1. ANSI/BHMA Certified Product Standards - A156 Series.

2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
3. ANSI/UL 294 - Access Control System Units.
4. UL 305 - Panic Hardware.
5. ANSI/UL 437- Key Locks.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - h. Warranty information for each product.
 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Shop Drawings: Details of electrified access control hardware indicating the following:
 1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:

- a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
 - b. Complete (risers, point-to-point) access control system block wiring diagrams.
 - c. Wiring instructions for each electronic component scheduled herein.
 - 2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.
 - D. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
 - E. Informational Submittals:
 - 1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- 1.4 CLOSEOUT SUBMITTALS
- A. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.
- 1.5 QUALITY ASSURANCE
- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
 - B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).
 - C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
 - D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

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- E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
 - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
 - 2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.
- F. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.
- G. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
 - 1. Function of building, purpose of each area and degree of security required.
 - 2. Plans for existing and future key system expansion.
 - 3. Requirements for key control storage and software.
 - 4. Installation of permanent keys, cylinder cores and software.
 - 5. Address and requirements for delivery of keys.
- H. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
 - 1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
 - 2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
 - 3. Review sequence of operation narratives for each unique access controlled opening.
 - 4. Review and finalize construction schedule and verify availability of materials.
 - 5. Review the required inspecting, testing, commissioning, and demonstration procedures
- I. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.

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- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.7 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.8 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
 - 1. Structural failures including excessive deflection, cracking, or breakage.
 - 2. Faulty operation of the hardware.
 - 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 4. Electrical component defects and failures within the systems operation.
- C. Warranty Period: Unless otherwise indicated, warranty shall be one year from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Hardware shall not have any visible manufacturer names on exposed materials, except cylinders, when the door is in a closed position.

2.2 BUTT HINGES

- A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity:
 - a. Two Hinges: For doors with heights up to 60 inches.
 - b. Three Hinges: For doors with heights 61 to 90 inches.
 - c. Four Hinges: For doors with heights 91 to 120 inches.
 - d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
 - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
 - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
 - b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
4. Hinge Options: Comply with the following:
 - a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for all out-swinging lockable doors.
5. Manufacturers:
 - a. Hager Companies (HA) - BB Series, 5-knuckle.
 - b. McKinney (MK) - TA/T4A Series, 5-knuckle.
 - c. dormakaba BEST (ST) - F/FBB Series, 5-knuckle.

2.3 CONTINUOUS HINGES

- A. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 continuous geared hinge. with minimum 0.120-inch thick extruded 6063-T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.

1. Manufacturers:..
 - a. Ives (IV).
 - b. Pemko (PE).
 - c. Select Hinges (SL).

2.4 POWER TRANSFER DEVICES

- A. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.
1. Manufacturers:
 - a. Architectural Builders Hardware (AH) - PT1000-EZ Series.
 - b. Pemko (PE) - EL-CEPT Series.
 - c. Securitron (SU) - EL-CEPT Series.
 - B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.
 1. Provide one each of the following tools as part of the base bid contract:
 - a. McKinney (MK) - Electrical Connecting Kit: QC-R001.
 - b. McKinney (MK) - Connector Hand Tool: QC-R003.
 2. Manufacturers:
 - a. McKinney (MK) - QC-C Series.

2.5 DOOR OPERATING TRIM

- A. Door Push Plates and Pulls: ANSI/BHMA A156.6 door pushes and pull units of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
 2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
 3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
 4. Pulls shall be provided with a 10" clearance from the finished floor on the push side to accommodate wheelchair accessibility.

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5. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets. When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.
6. Manufacturers:
 - a. Burns Manufacturing (BU).
 - b. Hiawatha, Inc. (HI).
 - c. Rockwood (RO).

2.6 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
- B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:
 1. Threaded mortise cylinders with rings and cams to suit hardware application.
 2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 3. Bored or cylindrical lock cylinders with tailpieces as required to suit locks.
 4. Tubular deadlocks and other auxiliary locks.
 5. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 6. Keyway: Manufacturer's Standard.
- C. Keying System: Each type of lock and cylinders to be factory keyed.
 1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
 2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
 3. Existing System: Field verify and key cylinders to match Owner's existing system.
- D. Key Quantity: Provide the following minimum number of keys:
 1. Change Keys per Cylinder: Two (2)
 2. Master Keys (per Master Key Level/Group): Five (5).
 3. Construction Keys (where required): Ten (10).
- E. Construction Keying: Provide construction master keyed cylinders.
- F. Key Registration List (Bitting List):
 1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
 2. Provide transcript list in writing or electronic file as directed by the Owner.

2.7 KEY CONTROL

- A. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.

1. Manufacturers:

- a. Lund Equipment (LU).
- b. MMF Industries (MM).
- c. Telkee (TK).

2.8 MORTISE LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all functions and features as specified herein.

1. Manufacturers:

- a. ASSA ABLOY ACCENTRA (YA) - 8800FL Series.
- b. Corbin Russwin Hardware (RU) - ML2000 Series.
- c. Sargent Manufacturing (SA) - 8200 Series.

2.9 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:

1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.

- B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Bored Locks and Latches: BHMA A156.2.
3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
4. Dustproof Strikes: BHMA A156.16.

2.10 ELECTROMAGNETIC LOCKING DEVICES

- A. Surface Electromagnetic Locks (Heavy Duty): Electromagnetic locks to be surface mounted type conforming to ANSI A156.23, Grade 2 with minimum holding force strength of 1,200 pounds. Locks to be capable of accepting between 12 to 24 volts direct current and be UL listed for use on fire rated door assemblies. Electromagnetic coils are to consume no more than 1.5W during normal operation. Locks are to have an integrated door position switch, tamper switch, and lock bond sensor. Locks are to have integrated motion sensor and/or security camera as indicated in the hardware sets. Locks to be capable of detecting door prop conditions and entering low power mode. Provide mounting accessories as needed to suit opening conditions. Power supply to be by the same manufacturer as the lock with combined products having a lifetime replacement warranty.
1. Manufacturers:
 - a. Securitron (SU) - M680E Series.

2.11 CONVENTIONAL EXIT DEVICES

- A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:
1. Exit devices shall have a five-year warranty.
 2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
 3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
 4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
 5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
 6. Flush End Caps: Provide flush end caps made of architectural metal in the same finish as the devices as in the Hardware Sets. Plastic end caps will not be acceptable.
 7. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.
 - a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
 - b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.

8. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
9. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
10. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
11. Rail Sizing: Provide exit device rails factory sized for proper door width application.
12. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed exit devices. Listed manufacturers shall meet all functions and features as specified herein.

1. Electromechanical exit devices shall have the following functions and features:
 - a. Universal Molex plug-in connectors that have standardized color-coded wiring and are field configurable in fail safe or fail secure and operate from 12vdc to 24vdc regulated.
 - b. EcoFlex or equivalent technology that reduces energy consumption up to 92% as certified by GreenCircle.
 - c. Options to be available for request-to-exit or enter signaling, latchbolt and touchbar monitoring.
 - d. Field configurable electrified trim to fail-safe or fail-secure that operates from 12-24VDC.
 - e. Five-year limited warranty for electromechanical features.
2. Manufacturers:
 - a. ASSA ABLOY ACCENTRA (YA) - 7000 Series.
 - b. Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.
 - c. Sargent Manufacturing (SA) - 80 Series.

2.12 SURFACE DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.

6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Commercial Duty): ANSI/BHMA 156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, institutional grade door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck, closing sweep, and latch speed control valves. Provide non-handed units standard.
 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DC6000 Series.
 - b. Norton Rixson (NO) - 8500 Series.
 - c. Sargent Manufacturing (SA) - 1431 Series.

2.13 ARCHITECTURAL TRIM AND ACCESSORIES

- A. Door, Frame and Wall Protective Trim: ANSI/BHMA A156.6, protective products as specified in the hardware sets. Door protection plates shall be not more than 2" less than door width on stop side and 1" less door width on the pull side or on stop side of pairs of doors. Listed manufacturers shall meet all functions and features as specified herein.
 1. Provide protective trim with functions and features as follows:
 - a. Meets ADA requirements for smooth bottom door surfaces.
 - b. UL Classified options for use on fire-rated doors up to 3 hours.
 - c. Fabricated from stainless steel, brass, bronze, aluminum, or high-impact plastic.
 - d. Available in a variety of sizes, finishes, and profiles to suit aesthetic and functional requirements.
 - e. Designed to protect doors, frames, and adjacent walls from damage due to impact, abrasion, or traffic.
 - f. Fasteners included; adhesive-backed options available for select models.
 - g. Ten-year limited warranty.
 2. Manufacturers:
 - a. Burns Manufacturing (BU).
 - b. Hiawatha, Inc. (HI).
 - c. Rockwood (RO).

2.14 DOOR STOPS AND HOLDERS

- A. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

1. Manufacturers:

- a. Burns Manufacturing (BU).
- b. Hiawatha, Inc. (HI).
- c. Rockwood (RO).

- B. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

1. Manufacturers:

- a. Norton Rixson (NO).
- b. Rockwood (RO).
- c. Sargent Manufacturing (SA).

2.15 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.

1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.

- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.

1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.

- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.

- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

F. Manufacturers:

- 1. National Guard Products (NG).
- 2. Pemko (PE).
- 3. Reese Enterprises, Inc. (RE).

2.16 ELECTRONIC ACCESSORIES

- A. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.
 - 1. Manufacturers:
 - a. Alarm Controls (AK) - CP1-1026 Series.
 - b. Security Door Controls (SD) - DPS Series.
 - c. Securitron (SU) - DPS Series.
- B. Intelligent Switching Power Supplies: Provide the least number of power supplies at the appropriate amperage level sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.
 - 1. Power supplies shall meet all functions and features as specified herein.
 - a. UL listed dual voltage 12 or 24 VDC field selectable continuous output.
 - b. Dedicated fast charger to prolong battery life with low battery cutoff to protect batteries from deep discharge.
 - c. Enhanced surge immunity for input/output protection
 - d. Separate, dedicated battery charging circuit to keep locks cooler.
 - e. Dual-color LED visual notification to prevent applying incorrect voltages to the power supply.
 - f. Instant auto-switch to battery on AC loss.
 - g. Expandable up to 16 outputs in the standard enclosure
 - h. Integrated fire alarm interface to allow main output shutdown or disconnect on a per output basis when using an R8 output module.
 - i. Network ready and remotely manage locks and connected devices when using an M8 managed output module on network models.
 - j. Lifetime replacement, no-fault, no questions asked warranty.
 - 2. Manufacturers:
 - a. Altronix (AS) – Maximal 11F.
 - b. Life Safety Power (LP).
 - c. Securitron (SU) - AQL Series.

2.17 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

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2.18 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
 - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Paint prime coated mullions to match frames.
- C. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 - 2. DHI TDH-007-20: Installation Guide for Doors and Hardware.

3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- D. Retrofitting: Install door hardware to comply with manufacturer's published templates and 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 specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- E. Push Plates and Door Pulls: When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.
- F. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- G. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

- A. Field Inspection (Punch Report): Reference Division 01 Sections "Closeout Procedures". Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.
1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.

3.5 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.

3.6 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.

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- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
 - 1. Quantities listed are for each pair of doors, or for each single door.
 - 2. The supplier is responsible for handing and sizing all products.
 - 3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
 - 4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.

Hardware Sets

Set: 1.0

Doors: 116

1 Continuous Hinge	CFM_SLF-HD1 PT		PE
1 Electric Power Transfer	EL-CEPT	630	SU
1 Rim Exit Device, Nightlatch	ED5200 K157ET M92 MELR	630	RU
1 Cylinder	Match Existing Key System	630	RU
1 Pull	RM201 Mtg-Type 12XHD	US32D	RO
1 Concealed Overhead Holder/Stop	6-X36	630	NO
1 Surface Closer	DC6220	689	RU
1 Gasketing	By Aluminum Door / Frame Supplier		
1 Sweep	3452CNB		PE

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1 Threshold	253x3AFG	PE
1 Card Reader	Card Reader by Others	OT
1 ElectroLynx Harness	QC-C1500 (Power Supply to Hinge or Device)	MK
1 ElectroLynx Harness	QC-CXXP (Hinge to Device - Length as Required)	MK
1 Position Switch	DPS-M - BK	SU
1 Power Supply	AQL Series (Quantity / Amperage as Required)	SU

Notes:

Operational Description: Door is normally closed and locked. Card reader will momentarily retract the latchbolt allowing entry. Entry by mechanical key override. Free egress at all times. Request to exit switch shunts alarm upon exiting. Door position switch report position of door to access control system. Device is fail secure, upon power failure the door will remain locked.

Set: 2.0

Doors: 123B

3 Hinge, Full Mortise, Hvy Wt	T4A3386 NRP	US32D	MK
1 Electric Power Transfer	EL-CEPT	630	SU
1 Fail Secure Lock	ML20906-SEC 102T M92	630	RU
1 Cylinder	Match Existing Key System	630	RU
1 Surface Closer	DC6210 A11	689	RU
1 Kick Plate	K1050 10" high CSK	US32D	RO
1 Gasketing	303APK (Head & Jambs)		PE
1 Rain Guard	346C x (Width of Frame Head)		PE
1 Sweep	3452CNB		PE
1 Threshold	253x3AFG		PE
1 Card Reader	Card Reader by Others		OT
1 ElectroLynx Harness	QC-C1500 (Power Supply to Hinge or Device)		MK
1 ElectroLynx Harness	QC-CXXP (Hinge to Device - Length as Required)		MK
1 Position Switch	DPS-M - BK		SU
1 Power Supply	AQL Series (Quantity / Amperage as Required)		SU

Notes:

Operational Description: Door is normally closed and locked. Card reader will momentarily unlock the outside lever. Entry by mechanical key override. Free egress at all times. Request to exit switch shunts alarm upon exiting. Door position switch reports status of door. Device is fail secure, upon power failure

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the door will remain locked.

Set: 3.0

Doors: 123C

1	Continuous Hinge	CFM_HD1 PT		PE
1	Electric Power Transfer	EL-CEPT	630	SU
1	Fail Secure Lock	ML20906-SEC 102T M92	630	RU
1	Cylinder	Match Existing Key System	630	RU
1	Surface Closer	DC6210 A11	689	RU
1	Kick Plate	K1050 10" high CSK	US32D	RO
1	Gasketing	303APK (Head & Jambs)		PE
1	Rain Guard	346C x (Width of Frame Head)		PE
1	Sweep	3452CNB		PE
1	Threshold	253x3AFG		PE
1	Card Reader	Card Reader by Others		OT
1	ElectroLynx Harness	QC-C1500 (Power Supply to Hinge or Device)		MK
1	ElectroLynx Harness	QC-CXXP (Hinge to Device - Length as Required)		MK
1	Position Switch	DPS-M - BK		SU
1	Power Supply	AQL Series (Quantity / Amperage as Required)		SU

Notes:

Operational Description: Door is normally closed and locked. Card reader will momentarily unlock the outside lever. Entry by mechanical key override. Free egress at all times. Request to exit switch shunts alarm upon exiting. Door position switch reports status of door. Device is fail secure, upon power failure the door will remain locked.

Set: 4.0

Doors: 108, 111, 122, 126

3	Hinge, Full Mortise	TA2714-MCK	US26D	MK
1	Storeroom Lock	ML2057 102T	626	RU
1	Cylinder	Match Existing Key System	630	RU
1	Surface Closer	DC6200 / DC6210 (Mounting Type as Required)	689	RU
1	Kick Plate	K1050 10" high CSK	US32D	RO
1	Door Stop	400 / 441CU (Type as Required)	US26D	RO
3	Silencer	608		RO

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Set: 5.0

Doors: 109, 112, 114, 115, 118

3 Hinge, Full Mortise	TA2714-MCK	US26D	MK
1 Entrance Lock	ML2053 102T	626	RU
1 Cylinder	Match Existing Key System	630	RU
1 Door Stop	400 / 441CU (Type as Required)	US26D	RO
3 Silencer	608		RO

Set: 6.0

Doors: 123A

3 Hinge, Full Mortise	TA2714-MCK	US26D	MK
1 Entrance Lock	ML2053 102T	626	RU
1 Cylinder	Match Existing Key System	630	RU
1 Surface Closer	DC6210 A11	689	RU
1 Kick Plate	K1050 10" high CSK	US32D	RO
1 Gasketing	S88BL		PE

Set: 7.0

Doors: 104, 113

3 Hinge, Full Mortise	TA2714-MCK	US26D	MK
1 Classroom Lock	ML2055 102T	626	RU
1 Cylinder	Match Existing Key System	630	RU
1 Surface Closer	DC6200 / DC6210 (Mounting Type as Required)	689	RU
1 Kick Plate	K1050 10" high CSK	US32D	RO
1 Door Stop	400 / 441CU (Type as Required)	US26D	RO
3 Silencer	608		RO

Set: 8.0

Doors: 119

3 Hinge, Full Mortise	TA2714-MCK	US26D	MK
1 Classroom Lock	ML2055 102T	626	RU
1 Cylinder	Match Existing Key System	630	RU
1 Door Stop	400 / 441CU (Type as Required)	US26D	RO
3 Silencer	608		RO

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Set: 9.0

Doors: [103](#), [120](#), [121](#), [125](#)

3 Hinge, Full Mortise	TA2714-MCK	US26D	MK
1 Passage Latch	ML2010 102T	626	RU
1 Surface Closer	DC6200 / DC6210 (Mounting Type as Required)	689	RU
1 Kick Plate	K1050 10" high CSK	US32D	RO
1 Door Stop	400 / 441CU (Type as Required)	US26D	RO
3 Silencer	608		RO

Set: 10.0

Doors: [105](#), [106](#), [107](#), [110](#), [124](#)

3 Hinge, Full Mortise	TA2714-MCK	US26D	MK
1 Privacy Lock	ML2030 102T M34 V21	626	RU
1 Surface Closer	DC6200 / DC6210 (Mounting Type as Required)	689	RU
1 Mop Plate	K1050 4" high CSK	US32D	RO
1 Kick Plate	K1050 10" high CSK	US32D	RO
1 Door Stop	400 / 441CU (Type as Required)	US26D	RO
3 Silencer	608		RO

Set: 11.0

Doors: EXIST 1

1 Magnetic Lock	M680EBDX	630	SU
1 Card Reader	Card Reader by Others		OT
1 Pushbutton	EEB2		SU
1 Power Supply	AQL Series (Quantity / Amperage as Required)		SU
1 Hardware	All Existing Hardware to Remain		

Notes:

Operational Description: When door is mechanically unlocked, entry via valid credential via card reader which momentarily unlocks the maglock. Free egress at all times. Request to exit motion sensor shunts alarm and drops power to maglock. Secondary means of shunting power to maglock via wall mounted push to exit button. Maglock is fail safe, upon loss of power the maglock will become unlocked.

Set: 12.0

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Doors: EXIST 2

1 Hardware

All Existing Hardware to Remain

END OF SECTION 087100