

CHANGE ORDER

CONSTRUCTION MANAGER-ADVISER EDITION

Owner
 Construction Manager
 Architect
 Contractor
 Field
 Other

PROJECT: **Loeb Stadium**
 (Name and address) **Main Street and Wallace Street**
Lafayette, Indiana

CHANGE ORDER NO.: **BP-8-3**
 INITIATION DATE: **December 10, 2019**

TO CONTRACTOR: **Huston Electric, Inc.**
 (Name and address) **P. O. Box 4297**
Lafayette, IN 47903-4297

PROJECT NOS.: **6617**
 CONTRACT FOR: **BP #8 - Electrical**
 CONTRACT DATE: **June 4, 2019**

The Contract is changed as follows:

6617.021 - American Structurepoint Proposal Request #5, as it pertains to door hardware.

Add \$589.00

6617.020 - American Structure Point PR 4 - Lighting Changes - Flagpole downlight to an in-grade fixture

Add \$7,909.00

TOTAL \$8,498.00

Not valid until signed by the Owner, Construction Manager, Architect and Contractor.

The original (Contract Sum) (Guaranteed Maximum Price) was.....	\$	2,097,366.00
Net change by previously authorized Change Orders.....	\$	-81,536.00
The (Contract Sum) (Guaranteed Maximum Price) prior to this Change Order was.....	\$	2,015,830.00
The (Contract Sum) (Guaranteed Maximum Price) will be (increased) (decreased) (unchanged) by this Change Order.....	\$	8,498.00
The new (Contract Sum) (Guaranteed Maximum Price) including this Change Order will be.....	\$	2,024,328.00
The Contract Time will be (increased) (decreased) (unchanged) by	(0)	days
The dated of Substantial Completion as of the date of this Change Order therefore is		Unchanged

NOTE: This summary does not reflect changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive.

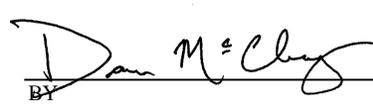
Kettelhut Construction, Inc.
 CONSTRUCTION MANAGER

740 Sagamore Parkway S., Lafayette, IN 47905
 ADDRESS

 12/12/2019
 BY DATE

American Structurepoint, Inc.
 ARCHITECT

7260 Shadeland Station, Indianapolis, IN 46256
 ADDRESS

 12.11.19
 BY DATE

Huston Electric, Inc.
 CONTRACTOR

PO Box 4297, Lafayette, IN 47903-4297
 ADDRESS

 12/11/19
 BY DATE

City of Lafayette, Indiana Board Public Works and Safety
 OWNER

20 North 6th Street, Lafayette, IN 47901
 ADDRESS

 4/15/2020
 BY DATE

740 Sagamore Parkway South
Lafayette, IN 47905
(765) 447-2181
Fax (765) 447-7122

October 14, 2019

Mr. Dan McCloskey
American Structurepoint, Inc.
7260 Shadeland Station
Indianapolis, IN 46256

Re: Loeb Stadium Renovation
Lafayette, Indiana
Kettelhut Project No. 6617

Gentlemen:

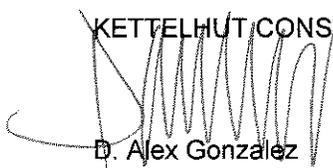
Enclosed please find cost documentation from applicable Contractors regarding PR #4, as it pertains to lighting changes – Flagpole down light to an in-grade fixture. We have yet to receive responses from Contractors labeled N/R, but do not anticipate any other costs or credits than those shown below.

1. BP #1 – General Trades	JR Kelly Co., Inc.	N/R
2. BP #2 – Masonry	James Scharer Masonry, Inc.	N/R
3. BP #3 – Steel	Almet, Inc.	N/R
4. BP #4 – Roofing	Horning Roofing & Sheet Metal Co., LLC	N/R
5. BP #5 – Alum.	Central Indiana Glass & Glazing, Inc.	N/R
6. BP #6 – Fire Sprinklers	Dalmatian Fire, Division of Shambaugh & Son, L.P.	N/R
7. BP #7 – Mechanical	D. A. Dodd, LLC	N/R
8. BP #8 – Electrical	Huston Electric, Inc.	\$ 7,909.00
9. BP #9 – Sports Lighting	Custer Electric, Inc.	N/R
10. BP #10 – Scoreboard		
11. BP #11 – Turf	Sprinturf, Inc.	N/R
12. BP #12 – Stadium Seat	Irwin Seating Company	N/R
13. BP #13 – Food Service	C&T Design & Equipment Co.	N/R
		<u>\$ 7,909.00</u>

After your review, if this cost data is approved by your firm and the Owner, please advise in order for a Change Order to be initiated.

Sincerely,

KETTELHUT CONSTRUCTION, INC.


D. Alex Gonzalez
Executive Vice President

DAG: jas

Enclosure

cc: Field Office
City of Lafayette w/enclosure
Field Order 6617.020





ESL-Spectrum - South Bend
 115 S. Main St
 Mishawaka IN 46544
 Phone: (574) 255-2151
 Fax: (574) 255-5919
From: Steve Clearwater

Date: Oct 11, 2019

Project **Loeb Stadium - PR 004**
 Location Lafayette IN
 Quote INDY19-74956-4

To:

Huston Electric, Inc.
 2723 Old Romney Rd.
 Lafayette IN 47909
 Phone: (765) 474-6115
 Fax: (765) 474-6071

For

Bid Date Oct 11, 2019
Expires Nov 10, 2019
 Architect: American Structure Point
 Engineer: Applied Engineering Services

QTY	Type	MFG	Part	Price	UQ
-10	F7	PRES	LC6SL 6LCSL14L35K8 B6	\$91.80	
-10	F7	PRES	LC6SL	(included)	
-10	F7	PRES	6LCSL14L35K8	(included)	
-10	F7	PRES	B6	(included)	
5	F19	POLELED	POLE LED EXTENDED VERSION	\$1,397.85	
Note			FIXTURE MOUNTED ON FLAG POLE - CONFIRM SIZE		
			OF POLE		
Note			REMOTE DRIVERS NEED TO BE MOUNTED IN POLE		
			IF THERE IS A HAND HOLE OR IN REMOTE WET		
			LISTED ENCLOSURE		
1			LOT FREIGHT FOR POLE LED	\$245.00	
			SUBTOTAL		\$6,316.25
5		POLECO	HALYARD MOUNTING - IF NEEDED	\$107.53	
			SUBTOTAL		\$537.65
			FREIGHT ALLOWED		

Terms and conditions of sale:

- Pricing is based on above counts and complete bill of material. Any changes will require a new quotation.
- Pricing is firm for 30 days from date of quotation and release of order within 60 days from date of quotation.
- Subject to manufacturer's terms and conditions of sale. Standard warranties apply unless otherwise noted.
- Prepayment may be required depending on manufacturer's terms and conditions or on custom orders.
- Prices DO NOT include lamps, spare material, fuses, special finishes, mounting devices, installation, or applicable taxes unless otherwise noted.
- ESL-Spectrum will NOT be responsible for errors resulting on orders released without receipt of signed approval drawings or errors missed in the approval process.
- Pre-shipment of anchor bolts is available and will be plus freight.
- Freight is not included on the order unless otherwise noted.
- The purchaser is responsible for verifying voltage, quantities, finishes, and ceiling conditions.

740 Sagamore Parkway South
Lafayette, IN 47905
(765) 447-2181
Fax (765) 447-7122

October 29, 2019

Mr. Dan McCloskey
American Structurepoint, Inc.
7260 Shadeland Station
Indianapolis, IN 46256

Re: Loeb Stadium Renovation
Lafayette, Indiana
Kettelhut Project No. 6617

Gentlemen:

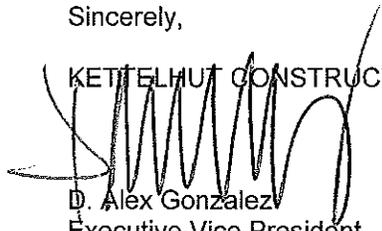
Enclosed please find cost documentation from applicable Contractors regarding American Structurepoint Proposal Request #5, as it pertains to door hardware. We have yet to receive responses from Contractors labeled N/R, but do not anticipate any other costs or credits than those shown below.

1. BP #1 – General Trades	JR Kelly Co., Inc.	\$ 12,291.00
2. BP #2 – Masonry	James Scharer Masonry, Inc.	N/R
3. BP #3 – Steel	Almet, Inc.	N/R
4. BP #4 – Roofing	Horning Roofing & Sheet Metal Co., LLC	N/R
5. BP #5 – Alum.	Central Indiana Glass & Glazing, Inc.	N/R
6. BP #6 – Fire Sprinklers	Dalmatian Fire, Division of Shambaugh & Son, L.P.	N/R
7. BP #7 – Mechanical	D. A. Dodd, LLC	N/R
8. BP #8 – Electrical	Huston Electric, Inc.	589.00
9. BP #9 – Sports Lighting	Custer Electric, Inc.	N/R
10. BP #10 – Scoreboard		
11. BP #11 – Turf	Sprinturf, Inc.	N/R
12. BP #12 – Stadium Seat	Irwin Seating Company	N/R
13. BP #13 – Food Service	C&T Design & Equipment Co.	N/R
		<u>\$ 12,880.00</u>

After your review, if this cost data is approved by your firm and the Owner, please advise in order for a Change Order to be initiated.

Sincerely,

KETTELHUT CONSTRUCTION, INC.


D. Alex Gonzalez
Executive Vice President

DAG: jas

Enclosure

cc: Field Office
City of Lafayette w/enclosure
Field Order 6617.021





Proposal Request No. 005

Project Name: Loeb Stadium
Project Number: 2015.02410
Date: 10/10/2019

OWNER:

City of Lafayette, Indiana – Board of Public Works and Safety
20 North 6th Street
Lafayette, IN 47901

ARCHITECT / STRUCTURAL ENGINEER / CIVIL ENGINEER

American Structurepoint, Inc.
9025 River Road, Suite 200
Indianapolis, Indiana 46240
317.547.5580

MECHANICAL / PLUMBING / ELECTRICAL ENGINEER

Applied Engineering Services, Inc.
5975 Castle Creek Parkway N Drive, Suite 300
Indianapolis, IN 46250
317.810.4141

This Proposal Request is for informational and pricing purposes only and shall not be interpreted as instruction to perform the proposed Work indicated herein. Contractor shall detail all costs associated with the Work, itemized at a minimum by labor, material, overhead and profit. Specify whether the change in Work is an ADD, DEDUCT or NO CHANGE to the contract. After receiving pricing, the Architect shall direct the Contractor regarding how to proceed. If, and only if, the Work outlined in this Proposal Request causes no change in Contract sum or time, the Contractor may then proceed with the Work listed herein, at which point, said Work shall become part of the Contract Documents and modify the original Contract Documents and all prior changes as applicable. Requirements of the original Contract Documents and previous changes remain in effect except as modified by this Proposal Request.

The extent of this Proposal Request is as follows:

DOCUMENT MODIFICATIONS

PROJECT MANUAL

- A. Section 08 71 00 – Door Hardware
 - 1. Revisions made to the following hardware sets: 1.00, 1.01, 1.03, 1.04, 2.00, 2.01, 2.08, 3.00, 3.03, 3.04, 3.05, 3.06, 3.07, 4.01, 4.02, 4.07, 4.09, 5.00, 5.02, 5.05, 6.03, 6.05, 6.06

DRAWINGS

- A. See clouded revisions on the attached drawings.
 - A601 Revised door schedule to match updated specification.

END OF PROPOSAL REQUEST.

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.
 - 2. Sliding doors.
 - 3. Other doors to the extent indicated.
- 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 06 Section "Finish Carpentry".
 - 2. Division 08 Section "Door Hardware Schedule".
 - 3. Division 08 Section "Hollow Metal Doors and Frames".
 - 4. Division 08 Section "Flush Wood Doors".
 - 5. Division 08 Section "Fiberglass Doors",
 - 6. Division 08 Section "Aluminum-Framed Entrances and Storefronts".
 - 7. Division 08 Section "Access Control Hardware".
 - 8. Division 28 Section "Access Control Hardware".
 - 9. Division 28 Section "Access Control".
- D. Codes and References: Comply with the version year 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:
1. ANSI/BHMA Certified Product Standards - A156 Series
 2. UL10C – Positive Pressure Fire Tests of Door Assemblies

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 DHT'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. Proof of Certification: Provide copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified and authorized provider of the primary Integrated Wiegand Access Control Products.
- E. 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.
- F. 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.
- G. 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 Submittals.

1.4 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. 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.
- C. 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.

- D. 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.
- E. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.
- F. 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.
- G. 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
- H. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

1.5 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.
- 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".

1.6 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 Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.
- C. 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.

1.7 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. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.

- D. Special Warranty Periods:
 - 1. Ten years for manual surface door closer bodies.
 - 2. Two years for electromechanical door hardware.

1.8 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.
- B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:
 - 1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.
- C. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

- A. Hinges: ANSI/BHMA A156.1 certified 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: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.
 5. Manufacturers:
 - a. Bommer Industries (BO).
 - b. Hager Companies (HA).
 - c. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK).
- B. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 certified continuous geared hinge. with minimum 0.120-inch thick extruded 6060 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. When continuous hinges are used with aluminum thermal break doors, provide hinges that are tested and approved to meet aluminum door manufacturer requirements and submit for approval.
1. Manufacturers:
 - a. Bommer Industries (BO).
 - b. Hager Companies (HA).
 - c. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK).
 - d. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).
- C. Pin and Barrel Continuous Hinges: ANSI/BHMA A156.26 Grade 1-600 certified pin and barrel continuous hinges with minimum 14 gauge Type 304 stainless steel hinge leaves, concealed teflon coated stainless pin, and twin self-lubricated nylon bearings at each knuckle separation. Factory trim hinges to suit door height and prepare for electrical cut-outs.
1. Manufacturers:
 - a. Hager Companies (HA).
 - b. Markar Products; ASSA ABLOY Architectural Door Accessories (MR).
 - c. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK).
 - d. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).

2.3 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. Use same manufacturer electric power transfer as the wire harness cable.

1. Manufacturers:

- a. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE) – EL-CEPT Series.
- b. Securitron (SU) - EL-CEPT Series.
- c. Stanley Hardware (ST) EPT-12C 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. Use same manufacturer wire harness as the door mounted electromechanical hardware and frame-to-door power transfer hardware.

1. Provide one each of the following tools as part of the base bid contract:

- a. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) - Electrical Connecting Kit: QC-R001.
- b. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) - Connector Hand Tool: QC-R003.

2. Manufacturers:

- a. Hager Companies (HA) - Quick Connect.
- b. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) – QC-C Series.
- c. Stanley Hardware (ST) – WH Series.

2.4 DOOR OPERATING TRIM

- A. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified.

1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
2. Furnish dust proof strikes for bottom bolts.
3. Surface bolts to be minimum 8” in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.

4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
 5. Manufacturers:
 - a. Door Controls International (DC).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).
- B. Coordinators: ANSI/BHMA A156.3 certified door coordinators consisting of active-leaf, hold-open lever and inactive-leaf release trigger. Model as indicated in hardware sets.
1. Manufacturers:
 - a. Door Controls International (DC).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).

2.5 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.
1. Manufacturers:
 - a. Schlage Primus 2059, proprietary (SC).
- B. Cylinders: Original manufacturer cylinders complying with the following:
1. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
 2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
 4. 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.
 5. Keyway: Match Facility Standard.
- C. Keying System: Each type of lock and cylinders to be factory keyed.
1. Conduct specified "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: Key locks to 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.
 - G. 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).
- 2.6 CREDENTIALS – ACCESS CONTROL PANELS – SOFTWARE
- A. Reference Division 28
- 2.7 MECHANICAL LOCKS AND LATCHING DEVICES
- A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13, Series 1000, Operational Grade 1 certified. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.
 1. Manufacturers:
 - a. Sargent Manufacturing (SA) – 8200 Series: “LNMJ”
- 2.8 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.

2.9 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. Electromechanical Options: Subject to same compliance standards and requirements as mechanical exit devices, electrified devices to be of type and design as specified in hardware sets. Include any specific controllers when conventional power supplies are not sufficient to provide the proper inrush current.
7. Motorized Electric Latch Retraction: Devices with an electric latch retraction feature must use motors which have a maximum current draw of 600mA. Solenoid driven latch retraction is not acceptable.
8. 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.

9. 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.
 10. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
 11. Extended cycle test: Devices to have been cycle tested in ordinance with ANSI/BHMA 156.3 requirements to 9 million cycles.
 12. Extended cycle test: Devices to have been cycle tested in ordinance with ANSI/BHMA 156.3 requirements to 50 million cycles.
 13. Rail Sizing: Provide exit device rails factory sized for proper door width application.
 14. 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 panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.
1. Manufacturers:
 - a. Sargent Manufacturing (SA) - 80 Series.
 - b. Stanley Precision (PR) - Apex 2000 Series.

2.10 ELECTRIC STRIKES

- A. Standard Electric Strikes: Heavy duty, cylindrical and mortise lock electric strikes conforming to ANSI/BHMA A156.31, Grade 1, UL listed for both Burglary Resistance and for use on fire rated door assemblies. Stainless steel construction with dual interlocking plunger design tested to exceed 3000 lbs. of static strength and 350 ft-lbs. of dynamic strength. Strikes tested for a minimum 1 million operating cycles. Provide strikes with 12 or 24 VDC capability and supplied standard as fail-secure unless otherwise specified. Provide latchbolt and latchbolt strike monitoring indicating both the position of the latchbolt and locked condition of the strike where specified.
1. Manufacturers:
 - a. Folger Adam EDC (FO).
 - b. HES (HS).

2.11 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 including installation and adjusting information on inside of cover.

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. Cycle Testing: Provide closers which have surpassed 15 million cycles in a test witnessed and verified by UL.
 4. 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 physically handicapped, provide units complying with ANSI ICC/A117.1.
 5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
 6. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
 7. 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 (Heavy Duty): ANSI/BHMA A156.4, Grade 1 surface mounted, heavy duty 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 and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.
1. Manufacturers:
 - a. Sargent Manufacturing (SA) - 351 Series.
 - b. Norton Door Controls (NO) - 9500 Series.
 - c. LCN (LC) - 4040XP

2.12 ARCHITECTURAL TRIM

A. Door Protective Trim

1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.

3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.
4. Protection Plates: ANSI/BHMA A156.6 certified protection plates (kick, armor, or mop), fabricated from the following:
 - a. Stainless Steel: 300 grade, 050-inch thick.
5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
6. Manufacturers:
 - a. Hiawatha, Inc. (HI).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).

2.13 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified 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. Hiawatha, Inc. (HI).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).
- C. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified 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. Rixson Door Controls (RF).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Sargent Manufacturing (SA).

2.14 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 Products; ASSA ABLOY Architectural Door Accessories (PE).
 - 3. Reese Enterprises, Inc. (RE).

2.15 ELECTRONIC ACCESSORIES

- A. Request-to-Exit Motion Sensor: Request-to-Exit Sensors motion detectors specifically designed for detecting exiting through a door from the secure area to a non-secure area. Listed UL 294 and ULC-S319 as an access control device. Cannot be activated by placing objects under door, thermal changes, or by pets. Include built-in timers (up to 60 second adjustable timing), door monitor with sounder alert, internal vertical point ability coverage, 12VDC or 24VDC power and selectable relay trigger with fail safe/fail secure modes.
 - 1. Manufacturers:
 - a. Alarm Controls (AK) – SREX-100
- B. 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. Securitron (SU) - DPS Series.
- b. Securitron (SU) – MMS Series.
- c. Sargent (SA) – 3287

C. Power Supplies: Provide Nationally Recognized Testing Laboratory Listed 12VDC or 24VDC (field selectable) filtered and regulated power supplies. Include battery backup option with integral battery charging capability in addition to operating the DC load in event of line voltage failure. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Manufacturers:

- a. Securitron (SU) - BPS Series.

D. Switching Power Supplies: Provide switching power supplies that are dual voltage, UL listed, supervised units. Units shall be field selectable with a dedicated battery charging circuit that provide 4 Amp at 12VDC or 24VDC continuous, with up to 16 independently controlled power limited outputs. Units shall tolerate brownout or overvoltage input $\pm 15\%$ of nominal voltage and have thermal shutdown protection with auto restart. Circuit breaker shall protect against overcurrent and reverse battery faults and units shall be available with a single relay fire trigger or individually triggered relayed outputs. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware and access control equipment.

1. Manufacturers:

- a. Securitron (SU) - AQ Series.

2.16 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.

2.17 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.

D. Exposed Metal Finishes: 613E = Dark Oxidized Satin Bronze

Hinges-Exterior:	624
Hinges-Interior:	624/640
Locksets:	613E
Closers:	613E
Exit Devices:	613E
Pushes, Pulls, Kick Plates:	613E
Armor Plates:	613E
Door Edge Guards:	613E
Overhead Stops & Holders:	613E
Door Stops:	613E
Thresholds:	DkB - Dark Bronze Anodized
Door Gaskets:	DkB - Dark Bronze Anodized
Sweep Strips:	DkB - Dark Bronze Anodized
Rain Drips:	DkB - Dark Bronze Anodized
Miscellaneous Items:	613E

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. 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. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
 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.
 - C. 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.
 - D. Door Closers:
 1. Install closers on room side of corridor doors, and stair side of stairways.
 2. Exterior doors: Parallel rigid arm installation.
 3. Install closers using only manufacturer-furnished through-bolts.
 4. Use of self-drilling or self-tapping fasteners is not allowed.
 - E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
 - F. 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: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.
- 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.
- 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.
- B. The supplier is responsible for handing and sizing all products and providing the correct option for the appropriate door type and material where more than one is presented in the hardware sets. Quantities listed are for each pair of doors, or for each single door.
- C. Manufacturer's Abbreviations:

- 1. MK - McKinney
- 2. MR - Markar
- 3. RO - Rockwood
- 4. ST - Stanley Works
- 5. ST - dormakaba Door Closers
- 6. ST - dormakaba Hinges
- 7. SU - Securitron
- 8. OT - OTHER
- 9. SA - Sargent
- 10. SC - Schlage
- 11. HS - HES
- 12. RF - Rixson
- 13. NO - Norton
- 14. PE - Pemko
- 15. AK - Alarm Controls

- 16. RU - Corbin Russwin
- 17. AR - Architectural Control Systems Inc
- 18. VI - ASSA ABLOY Hospitality
- 19. AD - Adams Rite

Hardware Sets

Set: 1.00

Card Reader (DPS) - Single: (Power Supply) Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 CPS	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Power Distribution Board	PDB-8F8R	SU
1 Power Supply	AQS1210 (for powering card readers only)	SU
1 Power Supply	AQS1210 (for powering card readers only)	SU
2 Power Distribution Board	PDB-8C2	SU
1 Latch Protector	320-RKW	RO
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply with openings: 002, 002A 003, 004, 005, 006, 007A, 007B

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 1.01

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 CPS	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "001" Hardware Set (1.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 1.02

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK

1 Set Wiring Diagrams by Security Vendor 00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "001" Hardware Set (1.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 1.03

Card Reader (DPS) - Pair: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

1	Continuous Hinge	HG305 AS x Height Required	MR
1	Continuous Hinge	HG305 CTP AS x Height Required	MR
1	Flush Bolt	2842 / 2942	RO
1	Dust Proof Strike	570	RO
1	Storeroom Lock	LC 8204	SA
1	Cylinder	As Specified	SC
1	ElectroLynx Adaptor	2004M	HS
1	SMART Pac Bridge Rectifier	2005M3	HS
1	Electric Strike	1500C	HS
1	Coordinator	2600	RO
2	Mounting Bracket	2601 (used with coordinator)	RO
2	Door Closer	351 CPS	SA
1	Threshold	171A Pemkote (1/2" High)	PE
1	Gasketing	S88	PE
2	Sweep	345_PK	PE
1	Astragal	(door manufacturer's heavy duty standard)	00
1	Electric Power Transfer	EL-CEPT	SU
1	ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
1	ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1	Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
2	Position Switch	DPS	SU
1	Detector	SREX-100	AK
1	Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.

-Share power supply from opening: "001" Hardware Set (1.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 1.04

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Surface Overhead Stop x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Surf Overhead Stop	9-X36	RF
1 Door Closer	351 O	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Threshold	252x3AFG Pemkote (1/2" High)	PE
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 Rain Guard	346	PE
1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

-Access control vendor to integrate lock with access control system.

-Card reader type determined by application.

-Power supply for Card-readers is powered by 12VDC power supply.

-Electric strike and motion sensor is powered by 24VDC power supply.

-Share power supply from opening: "001" Hardware Set (1.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 2.00

Card Reader (DPS) - Single: Cont Hinge x (Power Supply) Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

1	Continuous Hinge	MCK-12HD x Height Required	MK
1	Storeroom Lock	LC 8204	SA
1	Cylinder	As Specified	SC
1	ElectroLynx Adaptor	2004M	HS
1	SMART Pac Bridge Rectifier	2005M3	HS
1	Electric Strike	1500C	HS
1	Conc Overhead Stop	1-X36	RF
1	Door Closer	351 P10	SA
1	Drop Plate	351D	SA
1	Bracket	125V	SA
1	Kit	581-2	SA
1	Spacer	63-0191	SA
1	Threshold	171A Pemkote (1/2" High)	PE
1	Gasketing	S88	PE
1	Sweep	345_PK	PE
1	ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1	Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1	Position Switch	DPS	SU
1	Detector	SREX-100	AK
1	Power Distribution Board	PDB-8F8R	SU
1	Power Supply	AQS1210 (for powering card readers only)	SU
2	Power Distribution Board	PDB-8C2	SU
1	Power Supply	AQS2410 (for powering electric strikes and motion sensors)	SU
1	Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.c
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply with openings: 010B, 011A, 011B, 012, 012A, 013, 014A, 017A, 017B, 018, 018A, 019, 021A, 022

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 2.01

Card Reader (DPS) - Single: Cont Hinge x Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

1	Continuous Hinge	MCK-12HD x Height Required	MK
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1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Conc Overhead Stop	1-X36	RF
1 Door Closer	351 P10	SA
1 Drop Plate	351D	SA
1 Bracket	125V	SA
1 Kit	581-2	SA
1 Spacer	63-0191	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "010A" Hardware Set (2.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 2.02

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Surface Overhead Stop x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Surf Overhead Stop	9-X36	RF
1 Door Closer	351 O	SA
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA

1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "010A" Hardware Set (2.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 2.03

Restroom - Single: Dormitory (deadbolt, indicator) x Door Closer

Hinge	TA23 14 (NRP)	MK
1 Dormitory Lock	LB LC 49 8225	SA
1 Cylinder	As Specified	SC
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Gasketing	S88	PE

Door normally open with either handle retracting latch for entrance or egress.

Deadbolt operated by key outside and lever-turn inside.

When deadbolt is projected, outside lever is automatically locked.

Operating inside lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside lever.

Free egress at all times.

Set: 2.04

Card Reader (DPS) - Pair: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA23 14 (NRP)	MK
1 Flush Bolt	2842 / 2942	RO
1 Dust Proof Strike	570	RO
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Coordinator	2600	RO
2 Mounting Bracket	2601 (used with coordinator)	RO

2 Door Closer	351 CPS	SA
1 Gasketing	S88	PE
2 Sweep	345_PK	PE
1 Astragal	S771	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
1 Electric Power Transfer	EL-CEPT	SU
1 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
1 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
2 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "010A" Hardware Set (2.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 2.05

Card Reader (DPS) - Pair: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

1 Continuous Hinge	HG305 AS x Height Required	MR
1 Continuous Hinge	HG305 CTP AS x Height Required	MR
1 Flush Bolt	2842 / 2942	RO
1 Dust Proof Strike	570	RO
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Coordinator	2600	RO
2 Mounting Bracket	2601 (used with coordinator)	RO
2 Door Closer	351 CPS	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
2 Sweep	345_PK	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
1 Electric Power Transfer	EL-CEPT	SU
1 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK

1 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
2 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "010A" Hardware Set (2.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 2.06

Card Reader (DPS) - Single: Cont Hinge x Storeroom Lock x EL Strike x Door Closer

1 Continuous Hinge	MCK-12HD x Height Required	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 P10	SA
1 Drop Plate	351D	SA
1 Bracket	125V	SA
1 Kit	581-2	SA
1 Spacer	63-0191	SA
1 Stop	as required	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "010A" Hardware Set (2.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 2.07

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "010A" Hardware Set (2.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 2.08

Restroom - Single: Dormitory (deadbolt, indicator) x Door Closer

Hinge	TA2314 (NRP)	MK
1 Dormitory Lock	LB LC 49 8225	SA
1 Cylinder	As Specified	SC
1 Door Closer	351 O / P10	SA

1 Stop	as required	RO
1 Gasketing	S88	PE

Door normally open with either handle retracting latch for entrance or egress.
Deadbolt operated by key outside and lever-turn inside.
When deadbolt is projected, outside lever is automatically locked.
Operating inside lever retracts the latchbolt and deadbolt simultaneously, automatically unlocking outside lever.
Free egress at all times.

Set: 3.00

Card Reader (DPS) - Pair: (Power Supply) Mortise Exit Device (storeroom) x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Flush Bolt	2842 / 2942	RO
1 Dust Proof Strike	570	RO
1 Mortise Exit Device	(12) LC LD 43 8906 ET	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Coordinator	2600	RO
2 Mounting Bracket	2601 (used with coordinator)	RO
2 Door Closer	351 CPS	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
2 Sweep	345_PK	PE
1 Astragal	S771	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
1 Electric Power Transfer	EL-CEPT	SU
1 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
1 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
2 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Power Distribution Board	PDB-8F8R	SU
1 Power Supply	AQS1210 (for powering card readers only)	SU
2 Power Distribution Board	PDB-8C2	SU
1 Power Supply	AQS2410 (for powering electric strikes and motion sensors)	SU
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply with openings: 101A, 101B, 102A, 103, 104, 105, 106, 119S

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 3.01

Card Reader (DPS) - Pair: Cont Hinge x Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

1 Continuous Hinge	HG305 AS x Height Required	MR
1 Continuous Hinge	HG305 CTP AS x Height Required	MR
1 Flush Bolt	2842 / 2942	RO
1 Dust Proof Strike	570	RO
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Coordinator	2600	RO
2 Mounting Bracket	2601 (used with coordinator)	RO
2 Door Closer	351 CPS	SA
1 Gasketing	S88	PE
2 Sweep	345_PK	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
1 Electric Power Transfer	EL-CEPT	SU
1 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
1 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
2 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "100" Hardware Set (3.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 3.02

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Gasketing	S88	PE
1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "100" Hardware Set (3.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 3.03

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 CPS	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE

1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "100" Hardware Set (3.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 3.04

Card Reader (Restroom) - Single: Storeroom Deadbolt x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Deadbolt Lock	LC LB 49 8251	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1600-CDB-DLM	HS
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike is powered by 24VDC power supply.
- Share power supply from opening: "100" Hardware Set (3.00)

Door normally closed, latched, and secure - free egress at all times.
 Entrance by presenting a valid card to card-reader or mechanical key.

Deadbolt is projected by inside lever-turn, which changes indicator status from vacant to occupied.
Projected deadbolt denies entrance by a valid card to card-reader, entrance by mechanical key only.
Electrical Note: use electric strike's deadbolt monitor switch to deactivate card-reader.
Emergency entrance is allowed by mechanical key.
Turning inside lever handle will simultaneously retract deadbolt and latch, changes indicator status from occupied to vacant, and allows card-reader use for entrance.
Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 3.05

Card Reader (DPS) - Pair: Cont Hinge x Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

1 Continuous Hinge	HG305 AS x Height Required	MR
1 Continuous Hinge	HG305 CTP AS x Height Required	MR
1 Flush Bolt	2842 / 2942	RO
1 Dust Proof Strike	570	RO
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Coordinator	2600	RO
1 Mounting Bracket	2601 (used with coordinator)	RO
2 Door Closer	351 CPS	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
2 Sweep	345_PK	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
1 Electric Power Transfer	EL-CEPT	SU
1 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
1 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "100" Hardware Set (3.00)

Door normally closed, latched, and locked - free egress at all times.
Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
Entrance by mechanical key or presenting a valid card to card-reader.
Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 3.06

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 CPS	SA
1 Gasketing	S88	PE
1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "100" Hardware Set (3.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 3.07

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE

1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "100" Hardware Set (3.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 4.00

Card Reader (DPS) - Single: (Power Supply) Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Stop	as required	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Power Distribution Board	PDB-8F8R	SU
1 Power Supply	AQS1210 (for powering card readers only)	SU
2 Power Distribution Board	PDB-8C2	SU
1 Power Supply	AQS2410	
	(for powering electric strikes and motion sensors)	SU
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.

- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply with openings: 110, 110B, 113, 114, 117, 118, 119, 120, 123, 130

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 4.01

Card Reader (DPS) - Pair: (Power Supply) Cont Hinge x CVR Exit Device (EL retraction) x Automatic Operator

2 Continuous Hinge	MCK-12HD EPT x Height Required	MK
1 Exit Device (exit only)	43 55 56 AD8610	SA
1 Exit Device (nightlatch)	LC 43 55 56 AD8610 106	SA
1 Cylinder	As Specified	SC
2 Pull	RM202 Mtg-Type 12XHD	RO
2 Conc Overhead Stop	1-X36	RF
1 Door Closer	351 P10	SA
1 Drop Plate	351D	SA
1 Bracket	125V	SA
1 Kit	581-2	SA
1 Spacer	63-0191	SA
1 Door Operator	by Section 08-7115	NO
1 Threshold	252x3AFG Pemkote (1/2" High)	PE
1 Threshold	171A Pemkote (1/2" High)	PE
1 Rain Guard	346	PE
1 Set Weatherstrip	(door manufacturer's heavy duty standard)	00
2 Sweep	345_PK	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
2 Electric Power Transfer	EL-CEPT	SU
2 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
2 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
2 Position Switch	DPS	SU
2 Actuator Switch	by Section 08-7115	NO
1 Power Distribution Board	PDB-8F8R	SU
1 Power Supply	AQD4	SU
1 Power Distribution Board	PDB-8C2	SU
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.

- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply for exit devices with opening: "110B"
- Share power supply for card-reader from opening: "112" (hardware group 4.00)

SECURED TIME PERIOD:

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - internal switch within unsecure side of latching hardware allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or valid card to card-reader.
 Free egress at all times.

UNSECURED TIME PERIOD:

Unsecured period of time setup in access control system allows free entrance - free egress at all times.
 Loss of power maintains security from locked side of opening - Entrance by mechanical key only - free egress at all times.

Set: 4.02

Card Reader (DPS) - Pair; Cont Hinge x CVR Exit Device (EL retraction) x Door Closer

2 Continuous Hinge	MCK-12HD EPT x Height Required	MK
1 Exit Device (exit only)	43 55 56 AD8610	SA
1 Exit Device (nightlatch)	LC 43 55 56 AD8610 106	SA
1 Cylinder	As Specified	SC
2 Pull	RM202 Mtg-Type 12XHD	RO
2 Conc Overhead Stop	1-X36	RF
2 Door Closer	351 P10	SA
2 Drop Plate	351D	SA
2 Bracket	125V	SA
2 Kit	581-2	SA
2 Spacer	63-0191	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Set Weatherstrip	(door manufacturer's heavy duty standard)	00
2 Sweep	345_PK	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
2 Electric Power Transfer	EL-CEPT	SU
2 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
2 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
2 Position Switch	DPS	SU
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply for exit devices from opening: "110"
- Share power supply for card-reader from opening: "112" (hardware group 4.00)

SECURED TIME PERIOD:

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - internal switch within unsecure side of latching hardware allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or valid card to card-reader.
 Free egress at all times.

UNSECURED TIME PERIOD:

Unsecured period of time setup in access control system allows free entrance - free egress at all times.
 Loss of power maintains security from locked side of opening - Entrance by mechanical key only - free egress at all times.

Set: 4.03

Card Reader (Restroom) - Single: Storeroom Deadbolt x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Deadbolt Lock	LC LB 49 8251	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1600-CDB-DLM	HS
1 Door Closer	351 O / P10	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Stop	as required	RO
1 Gasketing	S88	PE
1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike is powered by 24VDC power supply.
- Share power supply from opening: "112" Hardware Set (4.00)

Door normally closed, latched, and secure - free egress at all times.
 Entrance by presenting a valid card to card-reader or mechanical key.
 Deadbolt is projected by inside lever-turn, which changes indicator status from vacant to occupied.
 Projected deadbolt denies entrance by a valid card to card-reader, entrance by mechanical key only.
 Electrical Note: use electric strike's deadbolt monitor switch to deactivate card-reader.
 Emergency entrance is allowed by mechanical key.
 Turning inside lever handle will simultaneously retract deadbolt and latch, changes indicator status from occupied to vacant, and allows card-reader use for entrance.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 4.04

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Surface Overhead Stop x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Surf Overhead Stop	9-X36	RF
1 Door Closer	351 O	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "112" Hardware Set (4.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 4.05

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O / P10	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Stop	as required	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA

1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "112" Hardware Set (4.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 4.06

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 CPS	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "112" Hardware Set (4.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 4.07

Card Reader (DPS) - Single: Cont Hinge x Storeroom Lock x EL Strike x Door Closer

1	Continuous Hinge	MCK-12HD x Height Required	MK
1	Storeroom Lock	LC 8204	SA
1	Cylinder	As Specified	SC
1	ElectroLynx Adaptor	2004M	HS
1	SMART Pac Bridge Rectifier	2005M3	HS
1	Electric Strike	1500C	HS
1	Conc Overhead Stop	1-X36	RF
1	Door Closer	351 P10	SA
1	Drop Plate	351D	SA
1	Bracket	125V	SA
1	Kit	581-2	SA
1	Spacer	63-0191	SA
1	Threshold	171A Pemkote (1/2" High)	PE
1	Set Weatherstrip	(door manufacturer's heavy duty standard)	00
1	Sweep	345_PK	PE
1	ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1	Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1	Position Switch	DPS	SU
1	Detector	SREX-100	AK
1	Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "112" Hardware Set (4.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 4.08

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

	Hinge (heavy weight)	T4A3386 (NRP)	MK
1	Storeroom Lock	LC 8204	SA
1	Cylinder	As Specified	SC
1	ElectroLynx Adaptor	2004M	HS

1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 CPS	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 Sweep	345_PK	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "112" Hardware Set (4.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 4.09

Card Reader (DPS) -- Single: Mortise Exit Device (storeroom) x EL Strike x Surface Overhead Stop x Door Closer

Hinge	TA2314 (NRP)	MK
1 Mortise Exit Device	(12) LC LD 43 8906 ET	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Surf Overhead Stop	9-X36	RF
1 Door Closer	351 O	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.

- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "112" Hardware Set (4.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 5.00

Card Reader (DPS) - Single: (Power Supply) Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 P10	SA
1 Stop	as required	RO
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Power Distribution Board	PDB-8F8R	SU
1 Power Supply	AQS1210 (for powering card readers only)	SU
2 Power Distribution Board	PDB-8C2	SU
1 Power Supply	AQS2410	
	(for powering electric strikes and motion sensors)	SU
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply with openings: 141, 142, 143, 144A, 145, 145A

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 5.01

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "140" Hardware Set (5.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 5.02

Card Reader (Restroom) - Single: Storeroom Deadbolt x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Deadbolt Lock	LC LB 49 8251	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1600-CDB-DLM	HS
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Threshold	171A Pemkote (1/2" High)	PE

1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike is powered by 24VDC power supply.
- Share power supply from opening: "140" Hardware Set (5.00)

Door normally closed, latched, and secure - free egress at all times.

Entrance by presenting a valid card to card-reader or mechanical key.

Deadbolt is projected by inside lever-turn, which changes indicator status from vacant to occupied.

Projected deadbolt denies entrance by a valid card to card-reader, entrance by mechanical key only.

Electrical Note: use electric strike's deadbolt monitor switch to deactivate card-reader.

Emergency entrance is allowed by mechanical key.

Turning inside lever handle will simultaneously retract deadbolt and latch, changes indicator status from occupied to vacant, and allows card-reader use for entrance.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 5.03

Card Reader (DPS) - Pair: Cont Hinge x Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

1 Continuous Hinge	HG305 AS x Height Required	MR
1 Continuous Hinge	HG305 CTP AS x Height Required	MR
1 Flush Bolt	2842 / 2942	RO
1 Dust Proof Strike	570	RO
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Coordinator	2600	RO
2 Mounting Bracket	2601 (used with coordinator)	RO
2 Door Closer	351 CPS	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
2 Sweep	345_PK	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
1 Electric Power Transfer	EL-CEPT	SU
1 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
1 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
2 Position Switch	DPS	SU
1 Detector	SREX-100	AK

1 Set Wiring Diagrams by Security Vendor 00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "140" Hardware Set (5.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 5.04

Card Reader (DPS) - Pair: Cont Hinge x Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Flush Bolt	2842 / 2942	RO
1 Dust Proof Strike	570	RO
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Coordinator	2600	RO
2 Mounting Bracket	2601 (used with coordinator)	RO
2 Door Closer	351 CPS	SA
1 Gasketing	S88	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
1 Electric Power Transfer	EL-CEPT	SU
1 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
1 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
2 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "140" Hardware Set (5.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 5.05

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "140" Hardware Set (5.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 6.00

Card Reader (DPS) - Single: (Power Supply) Storeroom Lock x EL Strike x Surface Overhead Stop x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC

1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Surf Overhead Stop	9-X36	RF
1 Door Closer	351 O	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Power Distribution Board	PDB-8F8R	SU
1 Power Distribution Board	PDB-8C2	SU
1 Power Supply	AQS1216	SU
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply with openings: 201, 201B, 203A, 203B, 204A, 204B, 205, 206, 207, 208, 209, 210, 211, 212, 213A, 213B

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 6.01

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 CPS	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "202" Hardware Set (6.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 6.02

Card Reader (DPS) - Pair: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge	TA2314 (NRP)	MK
1 Flush Bolt	2842 / 2942	RO
1 Dust Proof Strike	570	RO
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Coordinator	2600	RO
2 Mounting Bracket	2601 (used with coordinator)	RO
2 Door Closer	351 CPS	SA
2 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Gasketing	S88	PE
1 Astragal	S771	PE
1 Astragal	(door manufacturer's heavy duty standard)	00
1 Electric Power Transfer	EL-CEPT	SU
1 ElectroLynx Harness	QC-C1500 (transfer to power supply or J-box)	MK
1 ElectroLynx Harness	QC-Cxxx (transfer to electrical on door)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "202" Hardware Set (6.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 6.03

Card Reader (DPS) - Single: Cont Hinge x Storeroom Lock x EL Strike x Door Closer

1 Continuous Hinge	MCK-12HD x Height Required	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Conc Overhead Stop	1-X36	RF
1 Door Closer	351 P10	SA
1 Drop Plate	351D	SA
1 Bracket	125V	SA
1 Kit	581-2	SA
1 Spacer	63-0191	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Set Weatherstrip	(door manufacturer's heavy duty standard)	00
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "202" Hardware Set (6.00)

Door normally closed, latched, and locked - free egress at all times.
 Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
 Entrance by mechanical key or presenting a valid card to card-reader.
 Egress allowed at all times.
 Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 6.04

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O / P10	SA
1 Kick Plate	K1050 12" x CSK x BEV 4 Edges	RO
1 Stop	as required	RO
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "202" Hardware Set (6.00)

Door normally closed, latched, and locked - free egress at all times.

Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.

Entrance by mechanical key or presenting a valid card to card-reader.

Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 6.05

Card Reader (Restroom) - Single: Storeroom Deadbolt x EL Strike x Door Closer

Hinge	TA2314 (NRP)	MK
1 Storeroom Deadbolt Lock	LC LB 49 8251	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 O / P10	SA
1 Stop	as required	RO
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike is powered by 24VDC power supply.
- Share power supply from opening: "202" Hardware Set (6.00)

Door normally closed, latched, and secure - free egress at all times.
Entrance by presenting a valid card to card-reader or mechanical key.
Deadbolt is projected by inside lever-turn, which changes indicator status from vacant to occupied.
Projected deadbolt denies entrance by a valid card to card-reader, entrance by mechanical key only.
Electrical Note: use electric strike's deadbolt monitor switch to deactivate card-reader.
Emergency entrance is allowed by mechanical key.
Turning inside lever handle will simultaneously retract deadbolt and latch, changes indicator status from occupied to vacant, and allows card-reader use for entrance.
Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 6.06

Card Reader (DPS) - Single: Storeroom Lock x EL Strike x Door Closer w/ Spring Stop Closer

Hinge (heavy weight)	T4A3386 (NRP)	MK
1 Storeroom Lock	LC 8204	SA
1 Cylinder	As Specified	SC
1 ElectroLynx Adaptor	2004M	HS
1 SMART Pac Bridge Rectifier	2005M3	HS
1 Electric Strike	1500C	HS
1 Door Closer	351 CPS	SA
1 Threshold	171A Pemkote (1/2" High)	PE
1 Gasketing	S88	PE
1 ElectroLynx Harness	QC-C1500 (power supply to electric strike)	MK
1 Card Reader	WR01 / WR02 / WR03 / WR04 (as required)	SA
1 Position Switch	DPS	SU
1 Detector	SREX-100	AK
1 Set Wiring Diagrams	by Security Vendor	00

Application:

- Access control vendor to integrate lock with access control system.
- Card reader type determined by application.
- Power supply for Card-readers is powered by 12VDC power supply.
- Electric strike and motion sensor is powered by 24VDC power supply.
- Share power supply from opening: "202" Hardware Set (6.00)

Door normally closed, latched, and locked - free egress at all times.
Door monitored for door ajar or forced open - motion sensor above unsecure side (egress side) of door allows an individual to freely leave without sending an alarm to the access control system.
Entrance by mechanical key or presenting a valid card to card-reader.
Egress allowed at all times.

Loss of power maintains door security from locked side, entrance by mechanical key only - free egress at all times.

Set: 20.00

Cylinder Only

1 Cylinder	As Specified	SC
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Set: 23.00

Access Controlled - Gate

2 Cane Bolt	By Gate Supplier	ST
2 Gate Lock	GL1 x M (monitor) x Fail Safe	SU
2 Door Loop	DL-2	AK
1 Emergency Door Release	GBS-1	AK
2 Electromechanical Bar	WEMB	SU
2 Position Switch	MSS-1G	SU
1 Power Distribution Board	PDB-8F8R	SU
1 Power Distribution Board	PDB-8C2	SU
2 Battery Backup	B-12-5	SU
1 Power Supply	BPS-12-6	SU
1 Outdoor Type Access Control Reader	By Security Contractor	OT
1 Gate	Remaining Gate Hardware by Gate Company	00
2 Bracket	FMK	SU
2 Back Plate	by Gate Vendor (mounting exit device)	OT

Application:

-Share power supply with opening 100B

-Proper back plate behind egress device required, furnished by Gate Co., to avoid bypassing security.

Door(s) normally closed and locked - free egress at all times.

Gate doors held in open position by "Cane Bolts"

Ingress as authorized by access control system.

Egress by use of electromechanical push bar or emergency pull station as a secondary means of releasing doors (mounted on egress side).

Loss of power allows free egress at all times, free ingress in approximately 7 hours after power loss.

Set: 23.01

Access Controlled - Gate

2 Cane Bolt	By Gate Supplier	ST
2 Gate Lock	GL1 x M (monitor) x Fail Safe	SU
2 Cylinder	As Specified	SC
2 Door Loop	DL-2	AK
1 Emergency Door Release	GBS-1	AK
2 Electromechanical Bar	WEMB	SU
2 Position Switch	MSS-1G	SU
1 Outdoor Type Access Control Reader	By Security Contractor	OT
1 Gate	Remaining Gate Hardware by Gate Company	00

2 Bracket	FMK	SU
2 Back Plate	by Gate Vendor (mounting exit device)	OT

Application:

- Share power supply from opening 100A
- Proper back plate behind egress device required, furnished by Gate Co., to avoid bypassing security.

Door(s) normally closed and locked - free egress at all times.

Gate doors held in open position by "Cane Bolts"

Ingress by valid card to card-reader.

Egress by use of electromechanical push bar or emergency pull station as a secondary means of releasing doors (mounted on egress side).

Loss of power allows free egress at all times, free ingress in approximately 7 hours after power loss.

END OF SECTION 087100

