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**CC SSRFQ FS GCPR26  
PROGRESS CAMPUS CLASSROOM RENOVATIONS L- BLOCK  
ADDENDUM #2**

April 2, 2026

Dear Respondents,

This Addendum is to address clarification items.

**CLARIFICATION ITEM(S):**

1. New Door Schedule  
Please refer to uploaded filename:  
**Architectural Addendum\_1\_GOW Hastings**

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All other terms and conditions of the original request for proposal document & supporting documents remain valid and unchanged.

**End of Addendum #2**

## ARCHITECTURAL ADDENDUM

|            |   |                       |          |
|------------|---|-----------------------|----------|
| PROJECT    | Centennial Story Arts Centre Relocation | ADDENDUM NO           | <b>1</b> |
|            |   | PROJECT NO.           | 25-111   |
| ISSUE DATE | 30-Mar-26                               | NO. PAGES INCL. COVER | 28       |

The following changes, additions, deletions and clarifications are hereby made an integral part of the documents, including the drawings and specifications for the above project. Acknowledgment for receipt of this addendum shall be indicated on the Tender Proposal.

### DESCRIPTION

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#### **1.0 New**

1.1 Replace previously issued specification *Section 08 71 00 Door Hardware* with the version attached.

## SECTION 087100 - DOOR HARDWARE

### PART 1 - GENERAL

#### 1.01 SUMMARY

##### A. Section includes:

1. Mechanical and electrified door hardware
2. Electronic access control system components

##### B. Related Sections:

1. Division 01 "General Requirements" sections for Allowances, Alternates, Owner Furnished Contractor Installed, Project Management and Coordination.
2. Division 08 Sections:
  - a. "Metal Doors and Frames"
  - b. "Aluminum Work"
3. Division 26 "Electrical" sections for connections to electrical power system and for low-voltage wiring.
4. Division 28 "Electronic Safety and Security" sections for coordination with other components of electronic access control system and fire alarm system.

#### 1.02 REFERENCES

##### A. UL LLC

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

##### B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

##### C. NFPA – National Fire Protection Association

1. NFPA 70 – National Electric Code
2. NFPA 80 – Standard for Fire Doors and Other Opening Protectives
3. NFPA 101 – Life Safety Code
4. NFPA 105 – Smoke and Draft Control Door Assemblies
5. NFPA 252 – Fire Tests of Door Assemblies

##### D. ONTARIO BUILDING CODE

#### 1.03 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:
  - a. Review drawings and Sections from related trades to verify compatibility with specified hardware.
  - b. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
  - a. Wiring Diagrams: For power, signal, and control wiring and including:
    - 1) Details of interface of electrified door hardware and building safety and security systems.
    - 2) Schematic diagram of systems that interface with electrified door hardware.
    - 3) Point-to-point wiring.
    - 4) Risers.
3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.
  - a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.
4. Door Hardware Schedule:
  - a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.
  - b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
  - c. Indicate complete designations of each item required for each opening, include:
    - 1) Door Index: door number, heading number, and Architect's hardware set number.
    - 2) Quantity, type, style, function, size, and finish of each hardware item.
    - 3) Name and manufacturer of each item.
    - 4) Fastenings and other pertinent information.
    - 5) Location of each hardware set cross-referenced to indications on Drawings.
    - 6) Explanation of all abbreviations, symbols, and codes contained in schedule.
    - 7) Mounting locations for hardware.
    - 8) Door and frame sizes and materials.
    - 9) Degree of door swing and handing.
    - 10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.
5. Key Schedule:

- a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
- b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
- c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
- d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
- e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
- f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

C. Informational Submittals:

1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.
2. Provide Product Data:
  - a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
  - b. Include warranties for specified door hardware.

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:
  - a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
  - b. Catalog pages for each product.
  - c. Final approved hardware schedule edited to reflect conditions as installed.
  - d. Final keying schedule
  - e. Copy of warranties including appropriate reference numbers for manufacturers to identify project.
  - f. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

E. Inspection and Testing:

1. Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:
  - a. Fire door assemblies, in compliance with NFPA 80.
  - b. Required egress door assemblies, in compliance with NFPA 101.

## 1.04 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

1. Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
  - a. For door hardware: DHI certified AHC or DHC.
  - b. Can provide installation and technical data to Architect and other related subcontractors.
  - c. Can inspect and verify components are in working order upon completion of installation.
  - d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.
4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

B. Certifications:

1. Fire-Rated Door Openings:
  - a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.
  - b. Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
2. Smoke and Draft Control Door Assemblies:
  - a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
  - b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.
3. Electrified Door Hardware
  - a. Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.
4. Accessibility Requirements:
  - a. Comply with governing accessibility regulations cited in "REFERENCES" article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.

C. Pre-Installation Meetings

1. Keying Conference
  - a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:

- 1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
  - 2) Preliminary key system schematic diagram.
  - 3) Requirements for key control system.
  - 4) Requirements for access control.
  - 5) Address for delivery of keys.
2. Pre-installation Conference
    - a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
    - b. Inspect and discuss preparatory work performed by other trades.
    - c. Inspect and discuss electrical roughing-in for electrified door hardware.
    - d. Review sequence of operation for each type of electrified door hardware.
    - e. Review required testing, inspecting, and certifying procedures.
    - f. Review questions or concerns related to proper installation and adjustment of door hardware.
  3. Electrified Hardware Coordination Conference:
    - a. Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

#### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping
- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer's original packaging.
- C. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
- D. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- E. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- F. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

#### 1.06 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

#### 1.07 WARRANTY

- A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.
  - 1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
  - 2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.
    - a. Mechanical Warranty
      - 1) Locks
        - a) Schlage L Series: 10 years
      - 2) Closers
        - a) LCN 4000 Series: 30 years

#### 1.08 MAINTENANCE

- A. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.
- B. Turn over unused materials to Owner for maintenance purposes.

### PART 2 - PRODUCTS

#### 2.01 MANUFACTURERS

- A. Approval of alternate manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category are only to be considered by official substitution request in accordance with section 01 61 00.
- B. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- C. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

#### 2.02 MATERIALS

- A. Fabrication

1. Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer's recognized installation standards for application intended.
  2. Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
  3. Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with "Metal Doors and Frames", "Flush Wood Doors", "Stile and Rail Wood Doors" to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.
- B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.
1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.
- C. Cable and Connectors:
1. Where scheduled in the hardware sets, provide each item of electrified hardware and wire harnesses with number and gage of wires enough to accommodate electric function of specified hardware.
  2. Provide Molex connectors that plug directly into connectors from harnesses, electric locking and power transfer devices.
  3. Provide through-door wire harness for each electrified locking device installed in a door and wire harness for each electrified hinge, electrified continuous hinge, electrified pivot, and electric power transfer for connection to power supplies.

## 2.03 HINGES

- A. Manufacturers and Products:
1. Scheduled Manufacturer and Product:
    - a. Ives 5BB series
- B. Requirements:
1. Provide hinges conforming to ANSI/BHMA A156.1.
  2. Provide five knuckle, ball bearing hinges.
  3. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
    - a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
    - b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high
  4. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
    - a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
    - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
  5. 2 inches or thicker doors:
    - a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
    - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
  6. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
  7. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
  8. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
    - a. Steel Hinges: Steel pins

- b. Non-Ferrous Hinges: Stainless steel pins
  - c. Out-Swinging Exterior Doors: Non-removable pins
  - d. Out-Swinging Interior Lockable Doors: Non-removable pins
  - e. Interior Non-lockable Doors: Non-rising pins
9. Provide hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component. Provide mortar guard for each electrified hinge specified.

## 2.04 FLUSH BOLTS

### A. Manufacturers:

- 1. Scheduled Manufacturer:
  - a. Ives

### B. Requirements:

- 1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

## 2.05 MORTISE LOCKS

### A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product:
  - a. Schlage L9000 series

### B. Requirements:

- 1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1, and UL Listed for 3-hour fire doors.
- 2. Indicators: Where specified, provide indicator window measuring a minimum 2-inch x 1/2 inch with 180-degree visibility. Provide messages color-coded with full text and/or symbols, as scheduled, for easy visibility.
- 3. Provide locks manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance.
- 4. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to "KEYING" article, herein.
- 5. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1-inch (25 mm) throw, constructed of stainless steel.
- 6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
- 7. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide switches and sensors integrated into the locks and latches. Provide motor based electrified and motor based latch retraction locksets that comply with the following requirements:
  - a. Universal input voltage – single chassis accepts 12 or 24VDC to allow for changes in the field without changing lock chassis.

- b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case
  - c. Low maximum current draw – maximum 0.4 amps (Lever control) and maximum 2.0 amps (Latch retraction) to allow for multiple locks on a single power supply.
  - d. Low holding current (Lever control or latch retraction) – maximum 0.01 amps to produce minimal heat, eliminate “hot levers” in electrically locked applications and motorized latch retraction applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
  - e. Connections – provide quick-connect Molex system standard.
- 8. (OPTION Key Override) Provide locks with a key override feature built into the chassis that allows the outside key to retract the deadbolt and/or latchbolt, overriding the inside thumbturn when it is being held in the locked position - where the XL13-439 option is specified in the hardware sets.
  - 9. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.
    - a. (OPTION Vandlgard) Provide levers with vandal resistant technology for use at heavy traffic or abusive applications.
    - b. Lever Design: <INSERT LEVER DESIGN>.

## 2.06 ELECTRIC STRIKES

### A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product:
  - a. Von Duprin 6000 Series

### B. Requirements:

- 1. Provide electric strikes designed for use with type of locks shown at each opening.
- 2. Provide electric strikes UL Listed as burglary resistant that are tested to a minimum endurance test of 1,000,000 cycles.
- 3. Where required, provide electric strikes UL Listed for fire doors and frames.
- 4. Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor.

## 2.07 ELECTRIC STRIKES

### A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product:
  - a. Locknetics

### B. Requirements:

- 1. Provide electric strikes designed for use with type of locks shown at each opening.
- 2. Provide electric strikes UL Listed as burglary resistant.
- 3. Provide electric strikes that are field selectable fail-safe and fail-secure.
- 4. Provide electric strikes cycle tested to endure a minimum of 250,000 cycles.
- 5. Where required, provide electric strikes UL Listed for fire doors and frames.
- 6. Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor.

## 2.08 POWER SUPPLIES

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
  - a. Schlage/Von Duprin PS900 Series

### B. Requirements:

1. Provide power supplies approved by manufacturer of supplied electrified hardware.
2. Provide appropriate quantity of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.
3. Provide regulated and filtered 24 VDC power supply, and UL class 2 listed.
4. Provide power supplies with the following features:
  - a. 12/24 VDC Output, field selectable.
  - b. Class 2 Rated power limited output.
  - c. Universal 120-240 VAC input.
  - d. Low voltage DC, regulated and filtered.
  - e. Polarized connector for distribution boards.
  - f. Fused primary input.
  - g. AC input and DC output monitoring circuit w/LED indicators.
  - h. Cover mounted AC Input indication.
  - i. Tested and certified to meet UL294.
  - j. NEMA 1 enclosure.
  - k. Hinged cover w/lock down screws.
  - l. High voltage protective cover.

## 2.09 CYLINDERS

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
  - a. Schlage Everest Primus
2. Acceptable Manufacturers and Products:
  - a. No Substitute

### B. Requirements:

1. Provide cylinders/cores, compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.
  - a. High Security: dual-locking cylinder with permanent core requiring restricted, patented keyway. Dual-locking mechanism with interlocking finger pin(s) to check for patented features on keys.
3. Patent Protection: Cylinders/cores requiring use of restricted, patented keys, patent protected.
4. Nickel silver bottom pins.

## 2.10 KEYING

### A. Scheduled System:

1. Existing non-factory registered system: Provide 0 bitted D145 Primus cylinders
  - a. Provide cylinders/cores keyed into Owner's existing keying system managed by Owner's locksmith, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference. Contact:
    - 1) Firm Name:
    - 2) Contact Person:

### B. Requirements:

1. Construction Keying:
  - a. Replaceable Construction Cores.
    - 1) Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
      - a) 3 construction control keys
      - b) 12 construction change (day) keys.
    - 2) Owner or Owner's Representative will replace temporary construction cores with permanent cores.
2. Permanent Keying:
  - a. By Owner

## 2.11 KEY CONTROL SYSTEM

### A. Manufacturers:

1. Scheduled Manufacturer:
  - a. Telkee
2. Acceptable Manufacturers:
  - a. No Substitute
  - b. HPC
  - c. Lund

### B. Requirements:

1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.
  - a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
  - b. Provide hinged-panel type cabinet for wall mounting.

## 2.12 DOOR CLOSERS

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
  - a. LCN 4010/4110/4020 series

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. Certify surface mounted mechanical closers to meet fifteen million (15,000,000) full load cycles. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.
3. Cylinder Body: 1-1/2-inch (38 mm) diameter with 11/16-inch (17 mm) diameter double heat-treated pinion journal.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers. When closers are parallel arm mounted, provide closers which mount within 6-inch (152 mm) top rail without use of mounting plate so that closer is not visible through vision panel from pull side.
8. Pressure Relief Valve (PRV) Technology: Not permitted.
9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI/BHMA Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

## 2.13 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers:
  - a. Glynn-Johnson

B. Requirements:

1. Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.

## 2.14 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
  - a. Ives

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide concave type where lockset has a push button of thumbturn.
2. Where a wall stop cannot be used, provide universal floor stops.
3. Where wall or floor stop cannot be used, provide overhead stop.

4. Provide roller bumper where doors open into each other and overhead stop cannot be used.

## 2.15 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

- A. Manufacturers:
- B. Scheduled Manufacturer:
  1. Zero International
- C. Seals and Gasketing: Provide continuous gasketing on exterior openings, to the head and jambs, forming a continuous seal between the door and the frame. Provide smoke, light, or sound gasketing on interior doors where indicated.
  1. Provide self-tapping fasteners for aluminum extruded gasketing being applied to hollow metal frames.
    - a. Provide non-corrosive fasteners for all exterior applications.
    - b. Provide security fasteners where indicated.
  2. Provide neoprene, EPDM, silicone, or nylon brush inserts as specified in hardware sets. Provide non brush inserts of solid or sponge cell, as specified in hardware sets. Vinyl inserts are not allowed except where specified in hardware sets.
- D. Smoke Labeled Gasketing: At all smoke labeled openings, provide smoke listed perimeter gasketing assemblies complying with NFPA 105 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.
- E. Fire Listed Gasketing: Assemblies complying with NFPA 80 that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction for fire ratings indicated based on testing according to UL-10C.
  1. Where frame-applied intumescent seals are required by the manufacturer, provide gaskets that comply with UL10C Standard for Positive Pressure Fire Tests of Door Assemblies and UBC 7-2, Fire Tests of Door Assemblies.
- F. Sound-Rated Gasketing: Provide acoustic gasketing to meet Sound Transmission Class (STC) rating required.
- G. Meeting-Stile Gasketing: Provide meeting-stile gasketing that fastens to the meeting stiles forming a continuous seal when doors are closed.
- H. Door Sweeps or Shoes: Apply to the bottom of the door to close the gap between the door bottom and finished floor or saddle threshold.
  1. Provide solid neoprene, EPDM, silicone, or nylon brush type of seal as specified in hardware sets. Vinyl inserts are not allowed except where specified in hardware sets.
- I. Automatic Door Bottoms:
  1. Provide closed cell sponge, bulb neoprene. or EPDM type of seal as specified in hardware sets.

2. Door bottom to be mortised, semi mortised, or surface mount as with a minimum thickness as specified in hardware sets.

J. Rain Drips:

1. Provide overhead rain drips for out-swinging hollow metal doors that are not covered against 45 degree blowing rain. Aluminum extrusion to be a minimum of .088 inches thick and extend 2.50 inches from the face of the frame, in anodized finish to match door.
2. Door sweeps or shoes with integral rain drip must meet ADA requirements

K. Thresholds: Provide threshold units not less than 4 inches wide, formed to accommodate change in floor elevation where indicated, and fabricated to accommodate door hardware and fit door frames.

1. Threshold extrusion to be a minimum thickness as specified in hardware sets.

## 2.16 DOOR POSITION SWITCHES

A. Manufacturers:

1. Scheduled Manufacturer:
  - a. Schlage

B. Requirements:

1. Provide recessed or surface mounted type door position switches as specified.
2. Coordinate door and frame preparations with door and frame suppliers. If switches are being used with magnetic locking device, provide minimum of 4 inches (102 mm) between switch and magnetic locking device.

## 2.17 FINISHES

A. FINISH: BHMA 626/652 (US26D); EXCEPT:

1. Hinges at Exterior Doors: BHMA 630 (US32D)
2. Aluminum Geared Continuous Hinges: BHMA 628 (US28)
3. Push Plates, Pulls, and Push Bars: BHMA 630 (US32D)
4. Protection Plates: BHMA 630 (US32D)
5. Overhead Stops and Holders: BHMA 630 (US32D)
6. Door Closers: Powder Coat to Match
7. Wall Stops: BHMA 630 (US32D)
8. Latch Protectors: BHMA 630 (US32D)
9. Weatherstripping: Clear Anodized Aluminum
10. Thresholds: Mill Finish Aluminum

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.
- B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

### 3.02 INSTALLATION

- A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
  - 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
  - 2. Custom Steel Doors and Frames: HMMA 831.
  - 3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
  - 4. Installation Guide for Doors and Hardware: DHI TDH-007-20
- B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.
- C. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- D. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- E. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- F. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- G. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- H. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.
- I. Wiring: Coordinate with Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for:
  - 1. Conduit, junction boxes and wire pulls.
  - 2. Connections to and from power supplies to electrified hardware.
  - 3. Connections to fire/smoke alarm system and smoke evacuation system.
  - 4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
  - 5. Connections to panel interface modules, controllers, and gateways.
  - 6. Testing and labeling wires with Architect's opening number.

- J. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- K. Continuous Hinges: Re-locate the door and frame fire rating labels where they will remain visible so that the hinge does not cover the label once installed.
- L. Door Closers & Auto Operators: Mount closers/operators on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers/operators so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.
- M. Overhead Stops/holders: Mount overhead stops/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
- N. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
- O. Thresholds:
  - 1. Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."
  - 2. Aluminum thresholds to be cut-in, and scribed around mullions, frame members, and stops. Do not butt to thresholds. Provide a continuous surface across full width of opening from jamb to jamb.
  - 3. Where aluminum panic-type (rabbeted) thresholds with neoprene inserts are specified, undercut doors as required to properly mate with seal in threshold.
- P. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- Q. Perimeter Gasketing:
  - 1. Apply to head and jamb, forming seal between door and frame.
  - 2. Install gasketing in a manner eliminating need to cut any seal to install surface mounted hardware. Install compatible mounting bracket for surface mounted hardware unless minimum 1/4 inch thick solid aluminum seals are provided for mounting of surface applied hardware.
- R. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- S. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

### 3.03 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
  - 1. Spring Hinges: Adjust to achieve positive latching when door can close freely from an open position of 30 degrees.
  - 2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.

3. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

#### 3.04 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items per manufacturer's instructions to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

#### 3.05 DOOR HARDWARE SCHEDULE

- A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.
- B. Discrepancies, conflicting hardware, and missing items are to 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.
- C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.
- D. Hardware Sets:

## Centennial College Story Arts Relocation

Legend:

↗ Electrified Opening

| Door Numbers | HwSet# |
|--------------|--------|
| AD1-06↗      | 04     |
| AD1-08.1     | 01     |
| AD1-08.2     | 02     |
| AD1-08.3     | 02     |
| AD1-08B      | 03     |
| AD1-08C      | 03     |
| AD1-10↗      | 04     |
| AD1-12↗      | 05     |
| AD1-12D      | 03     |
| AD1-12E      | 03     |
| AD1-14↗      | 04     |
| D1-08A↗      | 06     |
| D1-08D↗      | 06     |
| D1-11A↗      | 06     |
| D1-11B↗      | 06     |
| D1-11C↗      | 06     |
| D1-12A       | 07     |
| D1-12B       | 07     |
| D1-12C       | 07     |
| D1-26.2↗     | 08     |
| D2-17.2      | 09     |
| D2-24A       | 10     |
| D2-24B       | 10     |
| E1-26.1↗     | 11     |
| E2-10↗       | 11     |
| E2-12↗       | 11     |
| E2-14↗       | 11     |
| E2-16↗       | 11     |
| E2-17.1↗     | 11     |
| E2-19.1↗     | 11     |
| E2-19.2↗     | 11     |
| E2-24↗       | 11     |

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Legend:













-  Link to catalog cut sheet
-  Electrified Opening

Hardware Group No. 01

For use on Door#(s)

AD1-08.1

Provide each PR door(s) with the following:

| QTY |     | DESCRIPTION                     | CATALOG NUMBER                          |   | FINISH | MFR |
|-----|-----|---------------------------------|---|---|--------|-----|
| 4   | EA  | HINGE                           | 5BB1HW 114X102MM                        |    | 652    | IVE |
| 2   | EA  | MANUAL FLUSH BOLT               | FB458                                   |    | 626    | IVE |
|     |     |                                 | CONFIRM IF SPECIAL REINFORCING REQUIRED |   |        |     |
| 1   | EA  | DUST PROOF STRIKE               | DP2                                     |    | 626    | IVE |
| 1   | EA  | OFFICE LOCK W/ INSIDE INDICATOR | L9056T 12A 09-544 IS-LOC                |    | 626    | SCH |
| 1   | EA  | PERMANENT CORE                  | 20-740 D145 0 BIT KEYING BY OWNER       |    | 626    | SCH |
| 2   | EA  | OH STOP                         | 100S                                    |    | 630    | GLY |
| 1   | EA  | SURFACE CLOSER                  | 4011 ST-1544                            |    | 689    | LCN |
| 1   | EA  | MOUNTING PLATE                  | 4020-18                                 |    | 689    | LCN |
| 1   | SET | SOUND GASKETING                 | 870AA-S (1XW 2XH)                       |    | AA     | ZER |
| 2   | EA  | DOOR BOTTOM(SURFACE)            | 365AA X DR WIDTH                        |    | AA     | ZER |
| 1   | EA  | MEETING STILE                   | 383AA X DR HT                           |  | AA     | ZER |
| 1   | EA  | THRESHOLD                       | 564A X DR WIDTH                         |  | A      | ZER |

Hardware Group No. 02

For use on Door#(s)

AD1-08.2 AD1-08.3

Provide each SL door(s) with the following:

| QTY |    | DESCRIPTION | CATALOG NUMBER                |  | FINISH | MFR |
|-----|----|-------------|-------------------------------|--|--------|-----|
| 1   | EA | HARDWARE    | ALL HARDWARE BY DOOR SUPPLIER |  |        | UNK |








Centennial College Story Arts Relocation

Hardware Group No. 03

For use on Door#(s)

AD1-08B          AD1-08C          AD1-12D          AD1-12E

Provide each SGL door(s) with the following:

| QTY |     | DESCRIPTION                     | CATALOG NUMBER                       |   | FINISH | MFR |
|-----|-----|---------------------------------|--------------------------------------|---|--------|-----|
| 4   | EA  | HINGE                           | 5BB1HW 127X114MM                     |  | 652    | IVE |
| 1   | EA  | OFFICE LOCK W/ INSIDE INDICATOR | L9056T 12A 09-544 IS-LOC             |  | 626    | SCH |
| 1   | EA  | PERMANENT CORE                  | 20-740 D145 0 BIT<br>KEYING BY OWNER |  | 626    | SCH |
| 1   | EA  | WALL STOP                       | WS401/402CVX                         |  | 626    | IVE |
| 1   | SET | SOUND GASKETING                 | 870AA-S (1XW 2XH)                    |  | AA     | ZER |
| 1   | EA  | DOOR<br>BOTTOM(SURFACE)         | 365AA X DR WIDTH                     |  | AA     | ZER |
| 1   | EA  | THRESHOLD                       | 564A X DR WIDTH                      |  | A      | ZER |

Centennial College Story Arts Relocation

Hardware Group No. 04 - CARD ACCESS



For use on Door#(s)

AD1-06            AD1-10            AD1-14

Provide each SGL door(s) with the following:

| QTY |     | DESCRIPTION               | CATALOG NUMBER   |   | FINISH | MFR |
|-----|-----|---------------------------|--|---|--------|-----|
| 4   | EA  | HINGE                     | 5BB1HW 127X114MM<br>INTERIOR   |   | 652    | IVE |
| 4   | EA  | HINGE                     | 5BB1HW 127X114MM NRP<br>EXTERIOR   |   | 652    | IVE |
| 1   | EA  | PASSAGE SET               | L9010 12A<br>INTERIOR DOOR   |   | 626    | SCH |
| 1   | EA  | STOREROOM LOCK            | L9080T 12A<br>EXTERIOR DOOR  |   | 626    | SCH |
| 1   | EA  | PERMANENT CORE            | 20-740 D145 0 BIT<br>KEYING BY OWNER<br>EXTERIOR DOOR  |   | 626    | SCH |
| 1   | EA  | ELECTRIC STRIKE           | 6211 FSE CON (SUPPLIED AND<br>INSTALLED BY SECURITY<br>CONTRACTOR)<br>EXTERIOR               | ↗ | 630    | VON |
| 1   | EA  | OH STOP                   | 100S<br>INTERIOR DOOR  |   | 630    | GLY |
| 1   | EA  | OH STOP                   | 100S<br>EXTERIOR DOOR  |   | 630    | GLY |
| 1   | EA  | SURFACE CLOSER            | 4011 ST-1544<br>INTERIOR DOOR  |   | 689    | LCN |
| 1   | EA  | SURFACE CLOSER            | 4021<br>EXTERIOR DOOR  |   | 689    | LCN |
| 1   | EA  | MOUNTING PLATE            | 4020-18<br>INTERIOR DOOR   |   | 689    | LCN |
| 1   | EA  | FLUSH CEILNG MTG<br>PLATE | 4020-18G<br>EXTERIOR DOOR  |   | 689    | LCN |
| 1   | SET | SOUND GASKETING           | 870AA-S (1XW 2XH)<br>EXTERIOR DOOR   |   | AA     | ZER |
| 1   | SET | SOUND GASKETING           | 870AA-S (1XW 2XH)<br>INTERIOR DOOR   |   | AA     | ZER |
| 1   | EA  | DOOR<br>BOTTOM(SURFACE)   | 365AA X DR WIDTH<br>EXTERIOR DOOR  |   | AA     | ZER |
| 1   | EA  | DOOR<br>BOTTOM(SURFACE)   | 365AA X DR WIDTH<br>INTERIOR DOOR  |   | AA     | ZER |
| 1   | EA  | THRESHOLD                 | 564A X DR WIDTH<br>EXTERIOR DOOR   |   | A      | ZER |
| 1   | EA  | THRESHOLD                 | 564A X DR WIDTH<br>INTERIOR DOOR   |   | A      | ZER |
| 1   | EA  | WIRE HARNESS              | CON-6W<br>EXTERIOR DOOR  | ↗ |        | SCH |
| 1   | EA  | CARD READER               | HID MULTICLASS<br>RPSE(SUPPLIED AND<br>INSTALLED BY SECURITY<br>CONTRACTOR)<br>EXTERIOR DOOR | ↗ |        | HID |

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| QTY |    | DESCRIPTION           | CATALOG NUMBER   |   | FINISH | MFR |
|-----|----|-----------------------|--|---|--------|-----|
| 1   | EA | DOOR CONTACT          | 679-05__TO SUIT DOOR<br>MATL(SUPPLIED & INSTALLED<br>BY SECURITY CONTRACTOR<br>EXTERIOR DOOR |  ↗ | BLK    | SCE |
| 1   | EA | REQUEST TO EXIT (MRX) | BY DIV 28<br>EXTERIOR DOOR   |   |        | UNK |
| 1   | EA | POWER SUPPLY          | PS902 120/240 VAC  |  ↗ | LGR    | SCE |

OPERATIONAL DESCRIPTION:DOOR IS NORMALLY CLOSED AND LOCKED. OUTSIDE TRIM IS ALWAYS LOCKED AGAINST ENTRY.AUTHORIZED CREDENTIAL MOMENTARILY RELEASES STRIKE ALLOWING ENTRY. MECHANICAL KEY ALSO RETRACTS LATCH ALLOWING ENTRY. MOTION RX MONITORS AUTHORIZED EGRESS.DOOR CONTACT MONITORS WHEN DOOR OPENS AND CLOSES.FREE EGRESS AT ALL TIMES WITH LOSS OF POWER DOOR REMAINS LOCKED.

Centennial College Story Arts Relocation

Hardware Group No. 05 - CARD ACCESS

For use on Door#(s)

AD1-12

Provide each SGL door(s) with the following:

| QTY |     | DESCRIPTION             | CATALOG NUMBER   |  | FINISH | MFR |
|-----|-----|-------------------------|--|--|--------|-----|
| 4   | EA  | HINGE                   | 5BB1HW 127X114MM   |  | 652    | IVE |
| 1   | EA  | STOREROOM LOCK          | L9080T 12A   |  | 626    | SCH |
| 1   | EA  | PERMANENT CORE          | 20-740 D145 0 BIT<br>KEYING BY OWNER   |  | 626    | SCH |
| 1   | EA  | ELECTRIC STRIKE         | 6211 FSE CON (SUPPLIED AND<br>INSTALLED BY SECURITY<br>CONTRACTOR)           |  | ↗ 630  | VON |
| 1   | EA  | OH STOP                 | 100S   |  | 630    | GLY |
| 1   | EA  | SURFACE CLOSER          | 4011 ST-1544   |  | 689    | LCN |
| 1   | EA  | MOUNTING PLATE          | 4020-18  |  | 689    | LCN |
| 1   | SET | SOUND GASKETING         | 870AA-S (1XW 2XH)  |  | AA     | ZER |
| 1   | EA  | DOOR<br>BOTTOM(SURFACE) | 365AA X DR WIDTH   |  | AA     | ZER |
| 1   | EA  | THRESHOLD               | 564A X DR WIDTH  |  | A      | ZER |
| 1   | EA  | WIRE HARNESS            | CON-6W   |  | ↗      | SCH |
| 1   | EA  | CARD READER             | HID MULTICLASS<br>RPSE(SUPPLIED AND<br>INSTALLED BY SECURITY<br>CONTRACTOR)  |  | ↗      | HID |
| 1   | EA  | DOOR CONTACT            | 679-05__TO SUIT DOOR<br>MATL(SUPPLIED & INSTALLED<br>BY SECURITY CONTRACTOR) |  | ↗ BLK  | SCE |
| 1   | EA  | REQUEST TO EXIT (MRX)   | BY DIV 28  |  |        | UNK |
| 1   | EA  | POWER SUPPLY            | PS902 120/240 VAC  |  | ↗ LGR  | SCE |

OPERATIONAL DESCRIPTION:DOOR IS NORMALLY CLOSED AND LOCKED. OUTSIDE TRIM IS ALWAYS LOCKED AGAINST ENTRY.AUTHORIZED CREDENTIAL MOMENTARILY RELEASES STRIKE ALLOWING ENTRY. MECHANICAL KEY ALSO RETRACTS LATCH ALLOWING ENTRY. MOTION RX SWITCH MONITORS AUTHORIZED EGRESS.DOOR CONTACT MONITORS WHEN DOOR OPENS AND CLOSES.FREE EGRESS AT ALL TIMES WITH LOSS OF POWER DOOR REMAINS LOCKED.

Centennial College Story Arts Relocation

Hardware Group No. 06 - CARD ACCESS

For use on Door#(s)

D1-08A            D1-08D            D1-11A            D1-11B            D1-11C

Provide each SGL door(s) with the following:

| QTY |    | DESCRIPTION           | CATALOG NUMBER   |   | FINISH | MFR |
|-----|----|-----------------------|--|---|--------|-----|
| 4   | EA | HINGE                 | 5BB1 127X114MM   |   | 652    | IVE |
| 1   | EA | STOREROOM LOCK        | L9080T 12A   |   | 626    | SCH |
| 1   | EA | PERMANENT CORE        | 20-740 D145 0 BIT<br>KEYING BY OWNER   |   | 626    | SCH |
| 1   | EA | ELECTRIC STRIKE       | 6211 FSE CON (SUPPLIED AND<br>INSTALLED BY SECURITY<br>CONTRACTOR)           | ↗ | 630    | VON |
| 1   | EA | SURFACE CLOSER        | 4011   |   | 689    | LCN |
| 1   | EA | WALL STOP             | WS401/402CVX   |   | 626    | IVE |
| 1   | EA | WIRE HARNESS          | CON-6W   | ↗ |        | SCH |
| 1   | EA | CARD READER           | HID MULTICLASS<br>RPSE(SUPPLIED AND<br>INSTALLED BY SECURITY<br>CONTRACTOR)  | ↗ |        | HID |
| 1   | EA | DOOR CONTACT          | 679-05__TO SUIT DOOR<br>MATL(SUPPLIED & INSTALLED<br>BY SECURITY CONTRACTOR) | ↗ | BLK    | SCE |
| 1   | EA | REQUEST TO EXIT (MRX) | BY DIV 28  |   |        | UNK |
| 1   | EA | POWER SUPPLY          | PS902 120/240 VAC  | ↗ | LGR    | SCE |

OPERATIONAL DESCRIPTION:DOOR IS NORMALLY CLOSED AND LOCKED. OUTSIDE TRIM IS ALWAYS LOCKED AGAINST ENTRY.AUTHORIZED CREDENTIAL MOMENTARILY RELEASES STRIKE ALLOWING ENTRY. MECHANICAL KEY ALSO RETRACTS LATCH ALLOWING ENTRY. MOTION RX SWITCH MONITORS AUTHORIZED EGRESS.DOOR CONTACT MONITORS WHEN DOOR OPENS AND CLOSES.FREE EGRESS AT ALL TIMES WITH LOSS OF POWER DOOR REMAINS LOCKED.

Hardware Group No. 07

For use on Door#(s)

D1-12A            D1-12B            D1-12C

Provide each SGL door(s) with the following:

| QTY |    | DESCRIPTION                        | CATALOG NUMBER                       |  | FINISH | MFR |
|-----|----|------------------------------------|--------------------------------------|--|--------|-----|
| 4   | EA | HINGE                              | 5BB1 127X114MM                       |  | 652    | IVE |
| 1   | EA | OFFICE LOCK W/ INSIDE<br>INDICATOR | L9056T 12A 09-544 IS-LOC             |  | 626    | SCH |
| 1   | EA | PERMANENT CORE                     | 20-740 D145 0 BIT<br>KEYING BY OWNER |  | 626    | SCH |
| 1   | EA | WALL STOP                          | WS401/402CVX                         |  | 626    | IVE |

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Hardware Group No. 08 - CARD ACCESS

For use on Door#(s)

D1-26.2

Provide each SGL door(s) with the following:

| QTY |    | DESCRIPTION           | CATALOG NUMBER   |   | FINISH | MFR |
|-----|----|-----------------------|--|---|--------|-----|
| 4   | EA | HINGE                 | 5BB1 127X114MM   |   | 652    | IVE |
| 1   | EA | STOREROOM LOCK        | L9080T 12A   |   | 626    | SCH |
| 1   | EA | PERMANENT CORE        | 20-740 D145 0 BIT<br>KEYING BY OWNER   |   | 626    | SCH |
| 1   | EA | ELECTRIC STRIKE       | 6211 FSE CON (SUPPLIED AND<br>INSTALLED BY SECURITY<br>CONTRACTOR)           | ↗ | 630    | VON |
| 1   | EA | SURFACE CLOSER        | 4111 EDA   |   | 693    | LCN |
| 1   | EA | WALL STOP             | WS401/402CVX   |   | 626    | IVE |
| 1   | EA | WIRE HARNESS          | CON-6W   | ↗ |        | SCH |
| 1   | EA | CARD READER           | HID MULTICLASS<br>RPSE(SUPPLIED AND<br>INSTALLED BY SECURITY<br>CONTRACTOR)  | ↗ |        | HID |
| 1   | EA | DOOR CONTACT          | 679-05__TO SUIT DOOR<br>MATL(SUPPLIED & INSTALLED<br>BY SECURITY CONTRACTOR) | ↗ | BLK    | SCE |
| 1   | EA | REQUEST TO EXIT (MRX) | BY DIV 28  |   |        | UNK |
| 1   | EA | POWER SUPPLY          | PS902 120/240 VAC  | ↗ | LGR    | SCE |

OPERATIONAL DESCRIPTION:DOOR IS NORMALLY CLOSED AND LOCKED. OUTSIDE TRIM IS ALWAYS LOCKED AGAINST ENTRY.AUTHORIZED CREDENTIAL MOMENTARILY RELEASES STRIKE ALLOWING ENTRY. MECHANICAL KEY ALSO RETRACTS LATCH ALLOWING ENTRY. MOTION RX SWITCH MONITORS AUTHORIZED EGRESS.DOOR CONTACT MONITORS WHEN DOOR OPENS AND CLOSES.FREE EGRESS AT ALL TIMES WITH LOSS OF POWER DOOR REMAINS LOCKED.

Hardware Group No. 09

For use on Door#(s)

D2-17.2

Provide each SGL door(s) with the following:

| QTY |    | DESCRIPTION    | CATALOG NUMBER                       |  | FINISH | MFR |
|-----|----|----------------|--------------------------------------|--|--------|-----|
| 4   | EA | HINGE          | 5BB1 127X114MM                       |  | 652    | IVE |
| 1   | EA | STOREROOM LOCK | L9080T 12A                           |  | 626    | SCH |
| 1   | EA | PERMANENT CORE | 20-740 D145 0 BIT<br>KEYING BY OWNER |  | 626    | SCH |
| 1   | EA | WALL STOP      | WS401/402CVX                         |  | 626    | IVE |





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Hardware Group No. 10

For use on Door#(s)

D2-24A                    D2-24B

Provide each SGL door(s) with the following:

| QTY |    | DESCRIPTION                     | CATALOG NUMBER                             |   | FINISH | MFR |
|-----|----|---------------------------------|--|---|--------|-----|
| 4   | EA | HINGE                           | 5BB1 127X114MM                             |  | 652    | IVE |
| 1   | EA | OFFICE LOCK W/ INSIDE INDICATOR | L9056T 12A 09-544 IS-LOC                   |  | 626    | SCH |
| 1   | EA | PERMANENT CORE                  | 20-740 D145 0 BIT<br>KEYING BY OWNER       |  | 626    | SCH |
| 1   | EA | WALL STOP                       | WS401/402CVX                               |  | 626    | IVE |
| 1   |    |                                 | BALANCE OF HARDWARE<br>EXISTING, TO REMAIN |   |        |     |

NOTE:

REMOVE ALL EXISITING HARDWARE ON DOOR.  
 VERIFY NEW HINGES WILL ACCOMODATE EXISTING FRAME/DOOR.  
 EXISTING DOOR TO BE FIITTED WITH NEW MORTISE LOCKSET PREP  
 PATCH DOOR AND MAKE GOOD

Centennial College Story Arts Relocation

Hardware Group No. 11 - CARD ACCESS

For use on Door#(s)

E1-26.1          E2-10                  E2-12                  E2-14                  E2-16                  E2-17.1  
 E2-19.1          E2-19.2              E2-24

Provide each SGL door(s) with the following:

| QTY |    | DESCRIPTION           | CATALOG NUMBER   |   | FINISH | MFR |
|-----|----|-----------------------|--|---|--------|-----|
| 1   | EA | STOREROOM LOCK        | L9080T 12A   |   | 626    | SCH |
| 1   | EA | PERMANENT CORE        | 20-740 D145 0 BIT<br>KEYING BY OWNER<br>CONFIRM IF REQUIRED                    |   | 626    | SCH |
| 1   | EA | ELECTRIC STRIKE       | CS750 12/24 VDC(SUPPLIED &<br>INSTALLED BY SECURITY<br>CONTRACTOR)             | ↗ | 630    | LOC |
| 1   | EA | SURFACE CLOSER        | 4111 CUSH<br>CONFIRM IF REQUIRED   |   | 689    | LCN |
| 1   | EA | CARD READER           | HID MULTICLASS<br>RPSE(SUPPLIED AND<br>INSTALLED BY SECURITY<br>CONTRACTOR)    | ↗ |        | HID |
| 1   | EA | DOOR CONTACT          | 679-05 __ TO SUIT DOOR<br>MATL(SUPPLIED & INSTALLED<br>BY SECURITY CONTRACTOR) | ↗ | BLK    | SCE |
| 1   | EA | REQUEST TO EXIT (MRX) | BY DIV 28  |   |        | UNK |
| 1   | EA | POWER SUPPLY          | PS902 120/240 VAC  | ↗ | LGR    | SCE |
| 1   |    |                       | BALANCE OF HARDWARE<br>EXISTING, TO REMAIN                                     |   |        |     |

NOTE:

REMOVE EXISITING LOCKSET AND REPLACE WITH NEW MORTISE LOCKSET  
 PATCH DOOR AND MAKE GOOD

OPERATIONAL DESCRIPTION:DOOR IS NORMALLY CLOSED AND LOCKED. OUTSIDE TRIM IS ALWAYS LOCKED AGAINST ENTRY.AUTHORIZED CREDENTIAL MOMENTARILY RELEASES STRIKE ALLOWING ENTRY. MECHANICAL KEY ALSO RETRACTS LATCH ALLOWING ENTRY. RX SWITCH (INTEGRAL TO LOCKING HARDWARE) MONITORS AUTHORIZED EGRESS.DOOR CONTACT MONITORS WHEN DOOR OPENS AND CLOSES.FREE EGRESS AT ALL TIMES WITH LOSS OF POWER DOOR REMAINS LOCKED.