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ADDENDUM

RFB-2024-45
RENOVATIONS TO PRINCETOWN SHERIFF'S SUBSTATION
C2 DESIGN GROUP

ADDENDUM #1

Issued Date: 05/29/2024

The purpose of this addendum is to provide detailed information to all Bidders. This addendum is hereby included in and made part of the Contract Documents, whether or not attached thereto. Receipt of this Addendum must be acknowledged on the bid form.

CONTENTS/RESPONSE TO QUESTIONS/REFERENCE TO ATTACHMENTS

General:

1. This addendum changes the documents for Bid #RFB-2024-45.
2. 5/23,28/2024 Contractor site walk-through.
3. Drawing A900 – Schedules and details
 - a. Delete Door Hardware schedule. (See Specification section 087100 for revised hardware schedule and Set description)
 - b. Door Schedule
 - i. Door 107 – add hardware Set #8.
 - ii. Door 110 - revise existing hardware set #3 to new Set #9
4. Drawing A901 – Finish Plan and Schedules
 - a. Finish Schedule
 - i. (Room) 108 – Break Room Revise all wall finish marked as ETR to PT-2 (Color as selected by Owner.)
 1. Remove all wall paper in room 108 (approx. 360 s.f.) V.I.F. Prepare existing wall surface ready for paint.
 2. In room 108 remove and replace all outlet and switch plate covers. (approx. 6) (Color as selected by Owner.)

- ii. (Room) 108 – Break Room Revise ceiling finish marked as ETR to PT-3 (Color as selected by Owner.) (approx. 160 s.f.) V.I.F.

Attachments:

1. Contractor Pre-Bid Walk-through 5/23,28/2024 sign-in sheet
2. Specification section 087100 Door hardware

Please acknowledge this addendum on your bid form.

END OF ADDENDUM #1

SECTION 087100

DOOR HARDWARE

GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes but not limited to the following:

- 1. Mechanical and/or electrical hardware.

- B. Related Requirements

- 1. Division 01 Section "Closeout Procedures"
 - 2. Division 06 Section "Rough Carpentry".
 - 3. Division 06 Section "Finish Carpentry".
 - 4. Division 08 Section "Aluminum-Framed Entrances and Storefronts".

- C. 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 101 - Life Safety Code.
 - 5. State Building Codes, Local Amendments.

1.3 COORDINATION

- A. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- B. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

1.4 COORDINATION AND MEETINGS

- A. Location: Conduct conferences on project site or other location as directed by the Architect/Owner.
- B. Preinstallation Conference
 - 1. Purpose of the Preinstallation conference is to:

- a. Coordinate between trades, so all understand their responsibilities.
 - b. To instruct the installing contractors' personnel on the proper installation and adjustment of their respective products.
 1. Hardware supplier is responsible for bringing the installation instructions to the meeting.
 - c. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
 - d. Review sequence of operation narratives for each unique access-controlled opening.
 - e. Review the requirements for local and state building codes and how they apply to doors, frames, and hardware.
 1. Opening forces to follow DOJ's "2010 ADA Standards for accessible design".
 - f. Review any special applications.
2. Conference participants shall include but not limited to:
- a. General Contractor.
 - b. Installer for doors, frames, and hardware.
 - c. Supplier Representative.
 - d. Owner and/or Owners Representative.
 - e. Construction Manager (if applicable).
 - f. Engineer and/or Engineers Consultant.

C. Keying Conference:

1. Incorporate conference decisions into keying schedule after reviewing door hardware keying system including, but not limited to, the following:
 - a. Flow of traffic and degree of security required.
 - b. Preliminary key system schematic diagram.
 - c. Requirements for key control system.
 1. This is to include the number of keys per keyset.
 2. Number of Master level keys.
 3. Use of keyed construction cores.
 - d. Requirements for access control.
 - e. Address for delivery of keys.
2. Keying Conference participants shall include but not limited to:
 - a. Supplier Representative.
 - b. Owner and/or Owners Representative.
Engineer and/or Engineers Consultant

1.5 SUBMITTALS

- A. Submittal Sequence to follow in this order and each are to be submitted under separate cover:
1. Door Hardware Schedule.
 2. Hardware Product Data.

3. Samples.
 4. Keying Schedule (Only after the keying meeting has taken place).
 5. Closeout Submittals.
 6. Submit door hardware schedule concurrent with submissions of Product Data, Samples, Riser Diagrams.
- B. Information Submittals:
1. Qualification Data: Submit qualification data for the Installer and Supplier as defined under Quality Assurance of the Section.
 2. Product Certifications:
 - a. Certify that door hardware for use on each type and size of labeled fire-rated doors complies with listed fire-rated door assemblies.
- C. 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: Use same scheduling sequence and use same door numbers as in the Contract Documents.
 2. Content: Include the following information:
 - a. Index of openings showing hardware set assignments.
 - b. Identification number, location, hand, fire rating, size, degree of opening, and material of each door and frame.
 - c. Locations of each door hardware set, cross-referenced to floor plans, and to door and frame schedule.
 - d. Complete designations, including name and manufacturer, type, style, function, size, quantity, function, and finish of each door hardware product.
 - e. Description of electrified door hardware sequences of operation and interfaces with other building control systems.
 - f. Fastenings and other installation information.
 - g. Explanation of abbreviations, symbols, and designations contained in door hardware schedule.
 - h. Mounting locations for door hardware.
 - i. Complete list of related door devices specified or supplied in other Sections for each door and frame.
- D. Door Hardware Product Data: Prepared by or under the supervision of supplier.
1. Provide an index of products used grouped by manufacturer.
 2. Each product shall be highlighted or marked accordingly.
 - a. Do not include pages or products that are not applicable to the project. If they appear on the same page as a product being used, they shall be crossed out.
- E. Samples:
1. Provide a finish sample for each exposed product in each finish specified, in manufacturer's standard size.
 2. Tag Samples with full product description to coordinate samples with the door hardware schedule.
- F. Keying Schedule: Only after a keying meeting with the owner has taken place, prepare a keying schedule detailing final instruction. Submit the keying schedule in electronic format.

Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions.

1. The owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.

G. Closeout Submittals:

1. After final approval is received from the architect, submit a Record Copy of the Door and Hardware Schedule with all the content as previously required.
 - a. Submittal must be stamped "RECORD COPY".
 - b. The Record Copy will be given to the installer for the installation of the hardware.
2. Warranty Submittal: Warranty information to include the following information:
 - a. Original factory order number.
 - b. Date order was placed.
 - c. Date of installation (approximately if unknown).
3. Operating and Maintenance Manuals:
 - a. Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.

H. Submittals that do not comply with all the requirements above will be rejected and will have to be resubmitted. Any project delays caused by incorrect/incomplete submittals will be the responsibility of the General Contractor and Hardware Supplier.

1.6 QUALITY ASSURANCE

A. Installer Qualifications:

1. 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.

B. Door Hardware Supplier Qualifications:

1. 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.
2. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity.

1.7 DELIVERY AND STORAGE

A. All hardware for field installation shall be delivered to the project site.

1. Any hardware that is required to be factory installed shall be delivered to the factory at the cost of the supplier of the doors or frames requiring the factory installation.

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

1. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
 2. Storage area must be maintaining low humidity and a temperature between 60 to 90 degrees Fahrenheit.
- C. 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.
- D. 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".

1.8 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
1. Structural failures including excessive deflection, cracking, or breakage.
 2. Faulty operation of the hardware.
 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 4. Electrical component defects and failures within the systems operation.
- C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.
- D. Special Warranty Periods:
1. Locks, manual overhead door closers & mechanical exit hardware to have a minimum of ten (10) years warranty.
 2. All remaining hardware is to be warranted as manufacturers standard warranty.

1.9 MAINTENANCE

- 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 MANUFACTURERS

- A. Source Limitations: Obtain each type of door hardware from single manufacturer.
1. Provide electrified door hardware from same manufacturer as mechanical door hardware unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.

2.2 PERFORMANCE REQUIREMENTS

- A. Means of Egress Doors: Latches do not require more than 15 lbf to release the latch. Locks do not require use of a key, tool, or special knowledge for operation.
- B. Accessibility Requirements: For door hardware on doors in an accessible route, comply with the DOJ's "2010 ADA Standards for Accessible Design".
 - 1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf.
 - 2. Comply with the following maximum opening-force requirements:
 - a. Interior, Hinged Doors: 5 lbf applied perpendicular to door.
 - b. Sliding or Folding Doors: 5 lbf applied parallel to door at latch.
 - c. Provide thresholds not more than 1/2 inch high.
 - d. Adjust door closer sweep periods so that, from an open position of 90 degrees, the door will take at least 5 seconds to move to a position of 12 degrees from the latch.
 - e. Adjust spring hinges so that, from an open position of 70 degrees, the door will take at least 1.5 seconds to move to the closed position.

2.3 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. For products furnished, but not installed, under this Section, Coordinating, purchasing, delivering, and scheduling remain requirements of this Section.
- C. Equals: Requests for equals 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. Approval of requests is at the discretion of the architect, owner, and their designated consultants.
- D. Substitutions: Are not allowed unless the listed product(s) are no longer available.

2.4 HINGES

- A. Provide template-produced hinges for hinges installed on hollow-metal doors and hollow-metal frames.
- B. Hinge Size: Provide the size listed in the hardware sets.
- C. Hinge Type: Provide the type listed in the hardware sets.
- D. Manufacturers:
 - 1. PBB Hinge Company (PBB). (Basis of Design).
 - 2. Hager (HAG).
 - 3. Stanley Hardware (STA).

2.5 CONTINUOUS HINGES

- A. Geared continuous hinges shall meet ANSI/BHMA 156.26, Grade 1 requirements.
- B. Manufactured out of 6063-T5 extruded aluminum, pinless, geared hinge leaves joined by a continuous extruded aluminum channel cap; with concealed, self-lubricating bearings.
- C. Provide template-produced hinges for hinges installed on hollow-metal and aluminum doors and frames.
- D. Manufacturers:
 1. Select (SEL) SL12HD (Basis of Design).
 2. Ives (IVE) 112HD
 3. Hager/Roton (HAG) 780-112HD.

2.6 ELECTRIC STRIKES

- A. Electric strikes shall meet or exceed ANSI/BHMA A156.31, Grade 1 requirements.
 1. Shall be for use on non-rated or fire rated openings.
 2. Strikes shall be tested to a minimum endurance of 1 million operating cycles.
 3. Provide strikes with 12 or 24 VDC capability, fail-secure unless otherwise specified.
 4. Where specified provide latchbolt and latchbolt strike monitoring indicating both the position of the latchbolt and locked condition of the strike.
 5. Manufacturers:
 - a. HES (HES) (Basis of Design).
 - b. Security Door Controls (SDC).
 - c. Trine (TRI) (Basis of Design).

2.7 MECHANICAL LOCK AND LATCHING DEVICE

- A. Cylindrical Locks:
 1. Locks shall meet or exceed ANSI/BHMA A156.2 Series 4000 Operation Grade 1 requirements.
 2. Locks are to be non-handed and fully field reversible.
 3. Basket:
 - a. 2-3/4" unless noted otherwise.
 4. Lock trim and function as shown in hardware sets.
 5. Latchbolt:
 - a. Provide deadlocking latchbolt for all locks with a keyed function.
 6. Manufacturers:
 - a. TownSteel (TOW). CDCI Series (Basis of Design)
 - b. Falcon (FAL) T Series.
 - c. Sargent Manufacturing (SAR) 10 Line.

2.8 EXIT DEVICES

- A. Exit Devices and Auxiliary Items shall meet or exceed ANSI/BHMA A156.3, Grade 1 requirements.
- B. Where function of the Exit Device requires a cylinder, provide a cylinder per the requirements of the Keying System.

- C. Function and Trim design as listed in the Hardware Sets.
- D. Provide mounting bracket or spacers as required for proper installation and operation.
- E. Do not cut perimeter gasket to mount the Exit Device Strikes. Adjust template accordingly.
- F. Manufacturers:
 - 1. TownSteel (TOW) ED9700 Series (Basis of Design).
 - 2. Sargent (SAR) 80 Series.
 - 3. Falcon (FAL) 25 Series.

2.9 CYLINDERS AND KEYING

- A. Cylinders: Original manufacturer cylinders complying with the following:
 - 1. Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver.
 - 2. Meet or exceed ANSI/BHMA A156.5 Grade 1 requirements.
 - 3. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
 - 4. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 - a. 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. Stamped collars are not allowed.
 - 5. Face finished to match lockset.
 - 6. Core Type: SFIC.
 - a. Permanent cores to be provided by owner.
- B. Construction Keying:
 - 1. Construction Master Keys: Provide temporary construction cylinders or permanent cylinders with feature that permits voiding of construction keys without cylinder removal.
 - a. Provide 10 construction master keys.
- C. Manufacturers:
 - 1. TownSteel (TOW) (Basis of Design).
 - 2. Best (BES).
 - 3. Schlage (SCH).

2.10 SURFACE CLOSERS

- A. Surface Closers shall meet or exceed ANSI/BHMA A156.4, Grade 1 requirements.
- B. Surface Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
- C. 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.
- D. Provide Surface Closers complying the Americans with Disabilities Act, ANSI ICC/A117.1.
- E. Provide accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation and operation.

F. Coordinate with Overhead Holder/Stop installation, provide special templates as required to avoid hardware conflicts.

G. Manufacturers:

1. TownSteel (TOW). TDC-40 Series (Basis of Design).
2. Norton (NOR) 9500 Series.
3. LCN (LCN) 4040XP Series.

2.11 SWEEPS, WEATHERSTRIP, AND GASKETING

A. Door Gasketing shall comply with ANSI/BHMA A156.22 requirements.

B. Provide with resilient or flexible seal strips that are easily replaceable and readily available from stocks maintained by manufacturer.

C. Perimeter gasketing should not be cut around door hardware. Gaskets must maintain a continuous seal at top and vertical edges. Adjust hardware templates accordingly.

D. Manufacturers:

1. Zero (ZER) (Basis of Design).
2. K.N. Crowder(KNC).
3. National Guard (NGP).

2.12 THRESHOLDS

A. Thresholds shall comply with ANSI/BHMA A156.21 requirements.

B. Thresholds shall be fabricated to full width of opening.

C. Provide non-slip surface.

D. Provide Stainless Steel Fasteners, type as detailed or required for specific floor conditions.

E. Manufacturers:

1. Zero (Basis of Design).
2. K.N.Crowder (KNC).
3. National Guard (NGP).

2.13 FABRICATION

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

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

B. Base Metals: Produce door hardware units of base metal indicated, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and

- hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18.
1. The use of Aluminum or Brass/Bronze based screws is not acceptable.
- C. Fasteners: Provided by door hardware manufacturer, to comply with published installation instructions, templates and as test for fire rated applications.
1. The use of other fasteners will be rejected.
 2. Provide Phillips flat-head screws with finished heads to match surface of door hardware unless otherwise indicated.
 3. The use of Self-Drilling or Self-Tapping Screws is not permitted.
 4. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners.
 5. Gasket Fasteners: Provide Stainless Steel fasteners.
 6. Threshold Fasteners:
 - a. Concrete floors: Provide ¼-20 Stainless Steel Machine Screws and Expansion Shields.
 7. Hinge Fasteners:
 - a. Provide steel or stainless-steel screw to match hinge base material.
 - b. Provide Machine Screws for metal door and frame applications.

2.14 FINISHES

- A. Provide finishes complying with ANSI/BHMA A156.18 as indicated in door hardware schedule.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

Part 3 – EXECUTION

3.1 EXAMINATION

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

- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware.
- C. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

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

3.3 INSTALLATION

- A. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work. Do not install surface-mounted items until finishes have been completed on substrates involved.
- B. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
- C. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1. Standard Steel Doors and Frames: DHI' s "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames".
 - 2. Comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities".
- D. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- E. Self-closing doors must close and latch completely from the fully opened position.
- F. Lock Cylinders:
 - 1. Install construction cylinders to secure building and areas during construction period.
- G. Thresholds: Set thresholds in full bed of sealant, and caulk around all edges, complying with requirements specified in Section 079200 "Joint Sealants."
- H. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
 - 1. Do not notch or cut perimeter gasketing to install other surface-applied hardware.
- I. Door Bottoms: Apply to bottom of door, forming seal with floor or threshold when door is closed.
- J. Door Closers: Adjust closers to follow opening forces listed under this sections Performance Requirements.
 - 1. Degree of opening: Template the closer to allow for the maximum degree of opening the conditions will allow.
 - 2. Back Check valve shall be adjusted so it engages 10 degrees prior to the door reaching full swing.

3. Latch Speed valve shall be adjusted so the door latches properly without slamming.

K. Wall Bumpers or Stops: Note that blocking in drywall partitions where wall stops, or other wall mounted hardware is located is required.

3.4 FIELD QUALITY CONTROL

A. Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating, and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.

B. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.

1. Submit documentation of incomplete items in PDF electronic format.

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.

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

3.6 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

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

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

3.7 MAINTENANCE SERVICE

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

3.8 DEMONSTRATION

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

3.9 DOOR HARDWARE SCHEDULE

A. The hardware sets represent the design intent and direction of the owner and architect. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process.

- B. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required.

Hardware Sets:

Legend:

↗ Electrified Opening

Hardware Group No. 01

For use on Door #(s):

101 103

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	BB81 4.5" NRP	US26D	PBB
1	EA	ELECTRIC STRIKE	1006CS	630	HES
1	EA	STOREROOM LOCK	CDC-1-86-SF	626	TOW
1	EA	PERMANENT CORE	SUPPLIED BY OWNER TO MATCH EXISTING SYSTEM	626	
1	EA	SURFACE CLOSER	TDC40 EDA	689	TOW
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE
1	EA	DOOR POSITION SWITCH	BY SECURITY VENDOR	↗	
1	EA	POWER SUPPLY	BY SECURITY VENDOR	↗	
1		CARD READER	BY SECURITY VENDOR		

THEORY OF OPERATION:

DOOR NORMALLY LOCKED.

VALID CREDENTIAL TO READER ENERGIZES ELECTRIC STRIKE TO ALLOW ENTRY.

FREE EGRESS AT ALL TIMES.

DOOR REMAINS LOCKED UPON LOSS OF POWER (FAIL SECURE).

Hardware Group No. 02

For use on Door #(s):

102

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	BB81 4.5"	US26D	PBB
1	EA	ELECTRIC STRIKE	1006CS	630	HES
1	EA	STOREROOM LOCK	CDC-1-86-SF	626	TOW
1	EA	PERMANENT CORE	SUPPLIED BY OWNER TO MATCH EXISTING SYSTEM	626	
1	EA	SURFACE CLOSER	TDC40	689	TOW
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE
1	EA	DOOR POSITION SWITCH	BY SECURITY VENDOR	↗	
1	EA	POWER SUPPLY	BY SECURITY VENDOR	↗	
1		CARD READER	BY SECURITY VENDOR		

THEORY OF OPERATION:

DOOR NORMALLY LOCKED.

VALID CREDENTIAL TO READER ENERGIZES ELECTRIC STRIKE TO ALLOW ENTRY.

FREE EGRESS AT ALL TIMES.

DOOR REMAINS LOCKED UPON LOSS OF POWER (FAIL SECURE).

Hardware Group No. 03

For use on Door #(s):

109

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	4B81 4.5" NRP	US32D	PBB
1	EA	ELECTRIC STRIKE	1006CS	630	HES
1	EA	STOREROOM LOCK	CDC-1-86-SF	626	TOW
1	EA	PERMANENT CORE	SUPPLIED BY OWNER TO MATCH EXISTING SYSTEM	626	
1	EA	LOCK GUARD	LG14	630	IVE
1	EA	SURFACE CLOSER	TDC40 EDA	689	TOW
1	EA	WALL STOP	WS406/407CVX	630	IVE
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	DOOR SWEEP	8198AA	AA	ZER
1	EA	THRESHOLD	626A-223	A	ZER
1	EA	CARD READER	EXISTING TO REMAIN	↗	BLK
1	EA	DOOR POSITION SWITCH	BY SECURITY VENDOR	↗	
1	EA	POWER SUPPLY	BY SECURITY VENDOR	↗	

THEORY OF OPERATION:

DOOR NORMALLY LOCKED.

VALID CREDENTIAL TO READER ENERGIZES ELECTRIC STRIKE TO ALLOW ENTRY.

FREE EGRESS AT ALL TIMES.

DOOR REMAINS LOCKED UPON LOSS OF POWER (FAIL SECURE).

Hardware Group No. 04

For use on Door #(s):

105

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	4B81 5" NRP	US26D	PBB
1	EA	ELECTRIC STRIKE	1006CS	630	HES
1	EA	STOREROOM LOCK	CDC-1-86-SF	626	TOW
1	EA	PERMANENT CORE	SUPPLIED BY OWNER TO MATCH EXISTING SYSTEM	626	
1	EA	SURFACE CLOSER	TDC40 EDA	689	TOW
1	EA	WALL STOP	WS406/407CVX	630	IVE
1	SET	GASKETING	328AA-S	AA	ZER
1	EA	DOOR POSITION SWITCH	BY SECURITY VENDOR	↗	
1	EA	POWER SUPPLY	BY SECURITY VENDOR	↗	
1		CARD READER	BY SECURITY VENDOR		

THEORY OF OPERATION:

DOOR NORMALLY LOCKED.

VALID CREDENTIAL TO READER ENERGIZES ELECTRIC STRIKE TO ALLOW ENTRY.

FREE EGRESS AT ALL TIMES.

DOOR REMAINS LOCKED UPON LOSS OF POWER (FAIL SECURE).

Hardware Group No. 05

For use on Door #(s):

100

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONTINUOUS HINGE	SL11 HD	628	SEL
1	EA	ELECTRIC STRIKE	9600	630	HES
1	EA	PANIC DEVICE	ED9700 CD	630	TOW
1	EA	MORTISE CYLINDER	4046I	626	TOW
1	EA	RIM CYLINDER	TS1 ICR7	626	TOW
2	EA	PERMANENT CORE	SUPPLIED BY OWNER TO MATCH EXISTING SYSTEM	626	
1	EA	DOOR PULL, 1" ROUND	8103EZHD 10" STD	630- 316	IVE
1	EA	SURFACE CLOSER	TDC40 SCUSH	689	TOW
1	EA	BLADE STOP SPACER	TDC BLADE-40	689	TOW
1	EA	CUSH SHOE SUPPORT	TDC CUSH-SUPPORT-40	689	TOW
1	EA	DROP PLATE	TPDC-718PA	689	TOW
1	EA	INTEGRAL GASKETING	BY DOOR AND FRAME MFR.		
1	EA	THRESHOLD	625A-223	A	ZER
1	EA	CARD READER	EXISTING TO REMAIN	↗ BLK	
1	EA	DOOR POSITION SWITCH	BY SECURITY VENDOR	↗	
1	EA	POWER SUPPLY	BY SECURITY VENDOR	↗	

THEORY OF OPERATION:

DOOR NORMALLY LOCKED.

VALID CREDENTIAL TO READER ENERGIZES ELECTRIC STRIKE TO ALLOW ENTRY.

FREE EGRESS AT ALL TIMES.

DOOR REMAINS LOCKED UPON LOSS OF POWER (FAIL SECURE).

Hardware Group No. 06

For use on Door #(s):

104 106

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	BB81 4.5"	US26D	PBB
1	EA	ELECTRIC STRIKE	1006CS	630	HES
1	EA	STOREROOM LOCK	CDC-1-86-SF	626	TOW
1	EA	PERMANENT CORE	SUPPLIED BY OWNER TO MATCH EXISTING SYSTEM	626	
1	EA	SURFACE CLOSER	TDC40	689	TOW
1	EA	WALL STOP	WS406/407CVX	630	IVE
1	SET	GASKETING	328AA-S	AA	ZER
1	EA	DOOR BOTTOM	364AA	AA	ZER
1	EA	DOOR POSITION SWITCH	BY SECURITY VENDOR	↗	
1	EA	POWER SUPPLY	BY SECURITY VENDOR	↗	
1		CARD READER	BY SECURITY VENDOR		

THEORY OF OPERATION:

DOOR NORMALLY LOCKED.

VALID CREDENTIAL TO READER ENERGIZES ELECTRIC STRIKE TO ALLOW ENTRY.

FREE EGRESS AT ALL TIMES.

DOOR REMAINS LOCKED UPON LOSS OF POWER (FAIL SECURE).

Hardware Group No. 07

For use on Door #(s):

108

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	BB81 4.5"	US26D	PBB
1	EA	PRIVACY LOCK	CDC-1-76	626	TOW
1	EA	SURFACE CLOSER	TDC40	689	TOW
1	EA	WALL STOP	WS406/407CCV	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 08

For use on Door #(s):

107

Provide each SL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1			HARDWARE BY DOOR MANUFACTURER		

Hardware Group No. 09

For use on Door #(s):

110

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	4B81 4.5" NRP	US32D	PBB
1	EA	ELECTRIC STRIKE	9600	630	HES
1	EA	PANIC DEVICE	ED9700 CD	630	TOW
1	EA	EXIT DEV TRIM	ED8900T-09 SFIC	626	TOW
1	EA	MORTISE CYLINDER	4046I	626	TOW
2	EA	PERMANENT CORE	SUPPLIED BY OWNER TO MATCH EXISTING SYSTEM	626	
1	EA	SURFACE CLOSER	TDC40 EDA	689	TOW
1	EA	WALL STOP	WS406/407CVX	630	IVE
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	DOOR SWEEP	8198AA	AA	ZER
1	EA	THRESHOLD	626A-223	A	ZER
1	EA	CARD READER	EXISTING TO REMAIN	↗	BLK
1	EA	DOOR POSITION SWITCH	BY SECURITY VENDOR	↗	
1	EA	POWER SUPPLY	BY SECURITY VENDOR	↗	

THEORY OF OPERATION:

DOOR NORMALLY LOCKED.

VALID CREDENTIAL TO READER ENERGIZES ELECTRIC STRIKE TO ALLOW ENTRY.

FREE EGRESS AT ALL TIMES.

DOOR REMAINS LOCKED UPON LOSS OF POWER (FAIL SECURE).

END OF SECTION



Contractor Sign in Sheet

Bid #RFB-2024-45

PRINCETOWN SHERIFF'S SUBSTATION RENOVATION
130 PRINCETOWN PLAZA, SCHENECTADY NY 12306

Pre-Bid Walk through

May 23, 2024 - 10:00 AM

Name	Business Name	Phone #	Email
W. H. BANC	B. B. PAROTZING	(518) 331-1165	hankbbpainting@nycap.nycap.com
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AKROS MGMT Inc.		(817) 7213956	jjramirez@akrosmgmtinc.com
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	MID-STATE INDUSTRIES	(518) 374-1461	
	AOW CONSTRUCTION	(518) 482-3400	