

Reviewed for  
Code Compliance

09/02/2021

# PROJECT MANUAL

**Divisions 00-28**

## **Steamboat Base Village Redevelopment**

2305 Mount Warner Circle  
Steamboat Springs, Co. 80487

**PBP4B – ADMIN  
BP4C-KIDS VACATION CENTER ( KVC )  
BP4D – GSQ INTERIORS BUILDING A, C, F,  
BP4C – KVC BULLETIN 01  
AUGUST 6, 2021**

Project Number: 003.7835.000

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2021-0806  
BP4B-Admin, BP4C-KVC,  
BP4D-GSQ Bldg A, C, F -  
BP4C-KVC Bulletin 01

**Steamboat Base Village  
Redevelopment-BP4-Interiors**  
Steamboat Springs, Colorado

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## **SECTION 08 71 00 - FINISH HARDWARE**

### **PART 1 GENERAL**

#### **1.01 SECTION INCLUDES**

Hardware for swinging, sliding, and folding doors except special types of unique and non-matching hardware specified in other sections.

#### **1.02 RELATED WORK**

- A. Division 8 – Hollow Metal Doors and Frames
- B. Division 8 – Flush Wood Doors
- C. Division 8 – Overhead Sectional Doors
- D. Division 8 – Metal Framed Storefronts
- E. Division 8 – Glass & Glazing
- F. Division 26 – Electrical
- F. Division 28 – Fire Alarm/Detection, Security Access

#### **1.03 REFERENCES**

- A. ADA - Americans with Disabilities Act of 1990 including Accessibility Guidelines as amended by the D.O.J. September 15, 2010, as adopted by the Authority Having Jurisdiction (AHJ).
- B. ANSI A117.1 - Buildings and Facilities - Providing Accessibility and Usability for Physically Handicapped People.
- C. ANSI/BHMA A156 (.1 through .21)
- D. ANSI/DHI – A115.IG Installation Guide for Doors and Hardware.
- E. FEMA P-361 – Safe Rooms for Tornadoes and Hurricanes.
- F. NFPA 80 - Fire Doors and Windows.
- G. NFPA 101 – Life Safety Code
- H. IBC - International Building Code, as adopted by public Authority Having Jurisdiction (AHJ).
- I. State and local Rules and Regulations for Barrier Free Facilities, as adopted by AHJ.

#### **1.04 DOOR HARDWARE TYPES**

- A. Types of finish hardware required include, but is not necessarily limited to, the following:
  - 1. Pivot sets and intermediate pivots.
  - 2. Hinges.
  - 3. Lock cylinders.
  - 4. Keys, keying, and key control.
  - 5. Locksets, latchsets, and privacy sets.
  - 6. Exit devices.
  - 7. Closers.
  - 8. Mullions.
  - 9. Overhead, wall, and floor stops.
  - 10. Protection plates.
  - 11. Gasketing for exterior and interior doors, as required.
  - 12. Door holders.
  - 13. Door bottoms.
  - 14. Thresholds.

15. Silencers.
- B. Requirements for design, grade, function, finish, size and other distinctive qualities of each type of door hardware is indicated elsewhere in this section or in the Door Hardware Schedule at the end of this section. Refer to Part 2 Products for Manufacturer's identification and allowable substitutions.

#### 1.05 SUBMITTALS

- A. Under provisions of Division 1, submit the following:
  1. Product information: Manufacturer's published technical product data for all specified door hardware items indicating compliance with the requirements.
  2. Hardware Schedule:
    - a. Hardware schedules are intended for the Contractor's coordination of the work. Review and acceptance by the Architect or Owner does not relieve the Contractor of his exclusive responsibility to fulfill the requirements as shown and specified.
    - b. Submit hardware schedule in the manner and format as specified, complying with the actual construction progress schedule requirements for each draft. Include the following information:
      - 1) Explanation of all abbreviations, symbols, codes, at the like, including door handing.
      - 2) Type, style, function, size, and finish of each hardware item.
      - 3) Door and frame sizes and materials cross referenced to the Architect's marks in the door schedule.
      - 4) Room identification (name and number) on each side of door opening as indicated on the drawings.
      - 5) Product name, model number, description, and name of manufacturer of each item.
      - 6) Fastenings and other pertinent information.
      - 7) Locations of hardware cross referenced to architectural floor plans and door schedules.
      - 8) Mounting heights and locations of each type of hardware.
  3. Key Schedule:
    - a. Require a qualified representative of the hardware supplier to personally meet with the Owner and Architect to obtain the Owner's written key requirements.
    - b. Include a separate key schedule, showing clearly how the Owner's instructions on keying of locks has been fulfilled.
  4. Samples: Upon request, submit actual material samples of items indicated as for color selection.
  5. Templates: Hardware supplier will furnish hardware templates to the Contractor for each fabricator of doors, frames, and other work to be shop prepared or factory prepared for the installation of hardware. Upon request check shop drawings of such other work, to conform that adequate provisions are made for proper location and installation of hardware.
  6. Provide electrical operation technical sheets including product schematics, point to point diagrams, and electrical requirements of all electrified hardware. Completely coordinate with the general contractor, electrical engineer, electrician, security access subcontractor and the installer. Operational descriptions are for demonstration only – verify operational intent with the owner, architect and electrical engineer.
- B. Under provisions of Division 1, submit the following:
  1. Product information.

2. Hardware schedule.
3. Manufacturer's published operation and maintenance data. Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
4. Tools and extra materials as required.
5. Manufacturer's warranties, revise to meet criteria as established within this section. Warranty periods shall commence upon acceptance of the building by the owner. Where warranties listed exceed the manufacturer's standard warranty, obtain in writing an extended warranty to meet the requirements above and as noted. If the manufacturer will not meet these requirements, and another approved manufacturer will comply, supply the alternate approved manufacturer.

#### 1.06 QUALITY ASSURANCE

- A. Acceptable Designs:
  1. Items specified in this section are products which are of acceptable design.
  2. Do not substitute products without Architect's written prior approval per Section 01 60 00. Requests for approval shall be submitted by factory authorized distributor firms representing the products proposed for substitution. Items that are noted to allow no substitution are matching existing materials and the owner's material inventory for servicing the facility.
- B. Qualifications:
  1. Manufacturer: Manufacturers named in Part 2 of this section with not less than 5 years experience in manufacturing commercial door hardware of the type indicated.
  2. Hardware Supplier:
    - a. A recognized architectural finish hardware supplier who has been furnishing hardware in the same state as the project for a period of not less than 5 years.
    - b. Hardware supplier's organization shall include an experienced Architectural Hardware Consultant (AHC), certified by the Door and Hardware Institute (DHI), who is physically available, at reasonable times during the course of the work, for consultation about project's hardware requirements, to Owner, Architect and Contractor. Mail or telephone correspondence is not acceptable.
    - c. Hardware supplier shall have local warehousing facilities and shall maintain an adequate parts inventory of items supplied for future service to the owner. Supplier will be a factory authorized distributor of all hardware specified.
  3. Installer: Company specializing in installing work of this section with not less than 5 years experience and acceptable to the manufacturers and the hardware supplier. Maintain regular work force of qualified personnel, trained, skilled, and experienced in installing door hardware and constant, competent supervision per the requirements of the General Contractor. The hardware installer shall meet with the representatives of the General Contractor and hardware supplier to jointly inventory all hardware items. Upon satisfactory inventory of products, the hardware installer accepts responsibility for all hardware items inventoried.
- C. Regulatory and Operational Requirements:
  1. Provide hardware for all openings, whether specified or not, in compliance with NFPA Standard No. 80, proper operation and local building code requirements. Where required, provide only hardware which has been tested and listed by UL or FM for types and sizes of doors required and complies with requirements of door and door frame labels. Label hardware, as required, for compliance with pressure testing criteria as dictated in IBC.

2. Provide hardware which meets or exceeds handicap accessibility per local building code requirements. Conform to the Americans with Disabilities Act (ADA) of 1990 as amended by the D.O.J. September 15, 2010, as adopted by the Authority Having Jurisdiction (AHJ).

#### 1.07 DELIVERY, STORAGE, HANDLING, AND PROTECTION

- A. Deliver, store, handle, and protect products to project site under provisions of Section 01600 and as specified herein.
- B. Require hardware supplier to:
  1. Tag each item or package separately, with identification related to final hardware schedule.
  2. Include manufacturer's basic installation instructions with each item or package.
  3. As material is received by hardware supplier from various manufacturers, sort and repackage in containers with each item clearly marked with appropriate opening numbers to match the approved hardware schedule. Two or more identical items may be packed in the same container.
  4. Deliver individually packaged hardware items at the proper times to the proper locations (shop or project site) for installation.
  5. Inventory hardware jointly with representatives of the General Contractor, hardware supplier and the hardware installer until each is satisfied that count is correct. Refer to paragraph 1.6-B-3.
- C. Protect hardware from theft by cataloging and storing in a secure and lockable area. Control the handling and installation of hardware items which are not immediately replaceable, so that the completion of the work will not be delayed by hardware losses, both before and after installation. Replace lost, missing, damaged, or stolen door hardware items at no additional cost to the Owner as required to meet schedule requirements.

#### 1.08 SEQUENCING AND SCHEDULING

- A. Coordinate work of this section with the work of other sections of work under provisions of Division 1
- B. Furnish hardware templates to each fabricator of doors, frames, and other work to be shop or factory prepared for the installation of hardware.
- C. Verify completeness and suitability of door hardware with the hardware supplier and the hardware installer.

#### 1.09 MAINTENANCE MATERIALS

- A. Under provisions of Division 1, furnish to Owner a complete set of special wrenches and tools applicable to each different or special hardware component as needed for Owner's continued adjustment, maintenance, removal, and replacement of door hardware.
- B. Special tools and accessories shall be supplied by the hardware component manufacturer.

### **PART 2 PRODUCTS**

#### 2.01 MATERIALS AND FABRICATION

- A. General:

1. Provide all door hardware for complete work, in accordance with the drawings and as specified herein.
2. Quantities listed, in any instance, are for the Contractor's convenience only and are not guaranteed.
3. Provide items and quantities not specifically mentioned to ensure a proper and complete operational installation. Match the quality and finish of items specified.
4. Provide miscellaneous hardware as listed in hardware groups.
- B. Hand of door: Drawings show direction of slide, swing or hand of each door leaf. Door schedule indicates door and frame sizes, materials, required fire ratings, and other pertinent information. Furnish each item of hardware for proper installation and operation of door movement as indicated.
- C. Manufacturer's Name Plate: Do not use manufacturer's products which have manufacturer's name or trade name displayed in a visible location (omit removable name plates), except in conjunction with required UL or FM labels and as otherwise acceptable to the Architect. Manufacturer's identification will be permitted on rim of lock cylinders and latch faceplates only.
- D. Base Metals: Produce hardware units of basic metal and forming method indicated, using manufacturer's standard metal alloy, composition, temper and hardness, but in no case of lesser (commercially recognized) quality than specified for applicable hardware units by applicable ANSI A156 series standard for each type hardware item and with ANSI A156.18 for finish designations indicated. Do not furnish "optional" materials or forming methods for those indicated, except as otherwise specified.
- E. Fasteners: Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation. Do not provide hardware which has been prepared for self tapping sheet metal screws, except as specifically indicated.
  1. Screws: Furnish screws for installation, with each hardware item. Provide Phillips flat head screws except as otherwise indicated. Finish exposed (exposed under any condition) screws to match hardware finish or, if exposed in surfaces of other work, to match finishes of such other work as closely as possible, including "prepared for paint" in surfaces to receive painted finish.
  2. Concealed Fasteners: Provide concealed fasteners for hardware units which are exposed when door is closed, except to extent no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite face is exposed in other work, except where it is not feasible to adequately reinforce the work. In such cases, provide sleeves for each thru-bolt or use sex screw fasteners.

## 2.02 HINGES

- A. Manufacturer:
  1. Listed in Door Hardware Schedule: Stanley
  2. Approved Substitutions: Hager, Bommer
- B. Templates: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template produced units.
- C. Screws: Furnish Phillips flat head or machine screws for installation of units, except furnish Phillips flat head or wood screws for installation of units into wood. Finish screw heads to match surface of hinges.
- D. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
  1. Steel Hinges: Steel pins.
  2. Non-ferrous Hinges: Stainless steel pins.

- 3. Exterior doors: Non-removable pins.
- 4. Reverse bevel interior doors (lockable): Non-removable pins.
- 5. Interior doors: Non-rising pins.
- E. Pin Tips: Flat button and matching plug, finished to match leaves.
- F. Number of Hinges: Provide number of hinges indicated, but not less than 3 hinges per door leaf for doors 90" or less in height and one additional hinge for each 30" of additional height.
- G. Butt type hinges and continuous hinges are to be warranted for a period of two years. Pivots shall be warranted for a period of two years.

## 2.03 LOCK CYLINDERS

- A. Manufacturer:
  - 1. Listed in Door Hardware Schedule: Dorma
  - 2. Substitutions: Russwin, Corbin
- B. Equip locks with 6-pin cylinders for standard keyed cylinders, Russwin D1 6-pin system, with construction keying for use during the construction phases.
- C. Construct lock cylinder parts from brass/bronze, stainless steel, or nickel silver.

## 2.04 KEYS, KEYING, AND KEY CONTROL

- A. Keys:
  - 1. Material: Provide keys of nickel silver only.
  - 2. Quantities: These quantities are to establish a maximum allowable quantity of cut keys to service the project and may not necessarily be assigned as noted. A lesser quantity of cut keys required will not result in any credits, nor a quantity of uncut keys to be issued unless noted otherwise.
    - a. 3 change keys per each cylinder unit.
    - b. 5 master keys per master.
    - c. 20 construction keys.
  - 3. Deliver keys to the Owner's representative: Send masterkeys to Owner via U.S. registered mail direct from hardware supplier.
- B. Keying:
  - 1. Comply with Owner's written instructions for masterkeying and, except as otherwise indicated, provide individual change keys for each lock which is not designated to be keyed alike with a group of related locks. Keying is to be provided by the owner as an extension of the existing masterkey system.
  - 2. Grandmaster key all cylinder items to coordinate with the Owner's instructions and existing Russwin D1 6-pin masterkey system. Permanently inscribe each key with the notation "DO NOT DUPLICATE".
- C. Key Control:
  - 1. Provide a 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 the system manufacturer, with capacity for 150% of the number of locks required for the project.
  - 2. Provide a hinged panel type cabinet, for wall mounting, Telkee AWC-150S or equal.
  - 3. Provide cylinder units with concealed key control and keys with visual key control.

## 2.05 LOCKSETS, LATCHSETS, AND PRIVACY SETS:

- A. Manufacturer:



1. Listed in Door Hardware Schedule: Dorma M9000 Series
2. Approved Substitutions: Best 45H, Schlage L9000
- B. Types: Locksets, latchsets, and privacy sets as indicated in Door Hardware Schedule.
- C. Strikes: Provide manufacturer's standard wrought box strike for each latch or lock bolt. Provide dust-proof strikes for foot bolts, except where not available. At these locations, provide manufacturer's standard recessed strike. Provide roller type strikes where recommended by lock, latch or bolt manufacturer. If aluminum frames are specified, confirm with the aluminum frame supplier that the standard lock strikes will function. Provide the manufacturer's standard extended lip strikes if required. Strikes may be provided by the prefinished metal frame manufacturer.
- D. Lock Throw: Provide 3/4" minimum throw of mortise type latches and deadbolts used. Cylindrical latches will be 1/2" minimum. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.
- E. Locks and latches shall be warranted for a period of five years.

## 2.06 EXIT DEVICES AND MULLIONS

- A. Manufacturer:
  1. Listed in Door Hardware Schedule: Dorma 9000
  2. Substitutions: Precision 2000, Von Duprin 98
- B. Provide risers, as needed, to prevent interference with door glazing kits.
- C. Provide spacers as needed for proper application of removable mullions on narrow stop type frames.
- D. Provide architecturally finished products.
- E. Mullions shall be provided primed to be painted to match finish hardware.
- F. Exit devices and related hardware shall be warranted for a period of five years.

## 2.07 CLOSERS:

- A. Manufacturer:
  1. Listed in Door Hardware Schedule: Best HD7016 Series
  2. Approved Substitutions: Dorma 8616 Series, LCN 4040XP
- B. Size of Units: Except as otherwise specifically indicated, comply with the manufacturer's recommendations for size of door control unit, depending on the size of the door, exposure to weather and anticipated frequency of use.
- C. Provide manufacturer's standard through bolt attachment where door construction is not adequate for support.
- D. Arms:
  1. Provide parallel arms for all overhead closers, except as otherwise indicated. Provide drop plates as needed to prevent glazing interference.
- E. Mount all closers to the maximum allowable degree of opening by the closer manufacturer's template. Where closer arms incorporate dead stop features, mount closers to the maximum degree of opening available before conflict with adjacent structures. If not apparent on the contract documents, verify the use of open space with the Architect or Owner's Representative to determine the maximum allowable degree of opening.
- F. Access Free Manual Closers: Where manual closers are indicated for doors required to be accessible to the physically handicapped, provide adjustable units complying with ANSI A117.1 provisions for door opening force. Fire protection has precedence over handicap compatibility, check with local jurisdiction.

- G. Door closers and related hardware shall be warranted for a minimum period of twenty-five years. Electronic closers shall be warranted for a period of two years.

## 2.08 AUTOMATIC OPERATORS

- A. Manufacturers:
  - 1. Listed in Door Hardware Schedule: Dorma
  - 2. Approved Substitutions: LCN, Stanley
- B. Provide units which conform to the requirements of the Americans with Disabilities Act of 1990 (ADA) and as required by local jurisdiction.
- C. At fire rated openings, provide units which are listed by Underwriter's Laboratories (UL) for use on such openings.
- D. Automatic operators shall be warranted for a period of two years.

## 2.09 WALL AND FLOOR STOPS

- A. Manufacturers:
  - 1. Listed in Door Hardware Schedule: Trimco
  - 2. Approved Substitutions: Rockwood, Hiawatha, Don-Jo
- B. General: Except as otherwise indicated, provide stops (wall, floor or overhead) at each leaf of every swinging door leaf.

## 2.10 OVERHEAD STOPS

- A. Manufacturer:
  - 1. Listed in Door Hardware Schedule: ABH
  - 2. Approved Substitutions: Rixson, Glynn Johnson
- B. Mount stops to the maximum degree of opening available before conflict with adjacent structures, or, if adjacent structures are not considered, to the maximum allowable by stop manufacturer's template.
- C. If not apparent on the contract documents, verify the use of open space with the Architect or Owner's Representative to determine the maximum allowable degree of opening.
- D. Overhead stops in exterior doors must be manufactured from stainless steel, US32D finish.
- E. Overhead stops shall be warranted for a period of two years.

## 2.11 PROTECTION PLATES

- A. Manufacturers:
  - 1. Listed in Door Hardware Schedule: Trimco
  - 2. Approved Substitutions: Rockwood, Hiawatha, Don-Jo
- B. Types: Armor Plates, Kick Plates, Mop Plates
- C. Fasteners: Provide manufacturer's standard exposed Phillips head fasteners for door trim units; either machine screws or self tapping sheet metal type screws per manufacturer's recommendations for application to the specified door construction.
- D. Sizes: Fabricate protection plates (armor, kick or mop) not more than 2" less than door width on stop side and not more than 1" less than door width on pull side, x the height indicated.
- E. Plastic Laminate Plates: 1/8" thick. Finish as noted, beveled four edges (B4E).

## 2.12 GASKETS AND SWEEPS

- A. Manufacturer:
  - 1. Listed in Door Hardware Schedule: National Guard Products
  - 2. Approved Substitutions: Pemko, Zero
- B. General: Except as otherwise indicated, provide continuous weatherstripping at each edge of every exterior door leaf. Provide type, sizes and profiles indicated as drawn or scheduled.
- C. Fasteners: Provide non-corrosive fasteners as recommended by the manufacturer for applications indicated.
- D. Replaceable seal strips: Provide only those units where resilient or flexible seal strip is easily replaceable and readily available from stocks maintained by the manufacturer.
- E. Perimeter weatherstripping: Flexible, hollow neoprene bulb or loop insert, conforming to MIL R 6055, Class II, Grade 40.
- F. Weatherstripping at Door Bottoms: Provide door bottoms consisting of contact type resilient insert and metal housing of design and size indicated.
- G. Hot smoke seal, if required by IBC and subsequent UL testing procedures, will be supplied as an integral part of the door assembly by the door manufacturer.
- H. Gaskets and sweeps shall be warranted for a period of three years.

## 2.13 SILENCERS

- A. Manufacturers:
  - 1. Listed in Door Hardware Schedule: Trimco
  - 2. Approved Substitutions: Rockwood, Ives

## 2.14 FINISHES

- A. Exposed surfaces of hardware shall be Powder Coated Black (622) unless otherwise indicated.
- B. The designations used in the schedule and elsewhere to indicate hardware finishes are the industry recognized standard commercial finishes common to the product's manufacturer listed.

# PART 3 EXECUTION

## 3.01 EXAMINATION

- A. Under provisions of Division 1, examine and verify that substrates and project site conditions are ready to receive work of this section.
- B. Do not begin installation until finishes indicated to be field applied have been applied to doors, frames, and similar items requiring project site finishing and are thoroughly dry and cured.
- C. Do not begin installation until unsatisfactory conditions are corrected in a manner acceptable to the installer. Beginning installation means installer accepts project site conditions and substrates as ready to receive work of this section.

## 3.02 INSTALLATION

- A. General: The types and approximate quantities of door hardware required for this project are indicated at the end of this section.
- B. Key Cabinet: Install in location as indicated on drawings or as directed by the Architect.

- C. Heights: Mount hardware units at heights indicated in "Recommended Locations for Builders Hardware for /standard Steel Doors and Frames" by the Door and Hardware Institute, except as specifically indicated or required to comply with governing regulations, and except as may be otherwise directed by the Architect.
- D. Substrates: Adjust and reinforce attachment substrates as necessary for proper installation and operation of hardware.
- E. Installation:
  - 1. Install each hardware item in compliance with the manufacturer's instructions, requirements of NFPA 80, NFPA 101, IBC, ADA, State Rules and Regulations for Barrier Free Facilities and recommendations of the DHI.
  - 2. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
  - 3. Drill and countersink units which are not factory prepared for fasteners. Space fasteners and anchors in accordance with industry standards.
  - 4. Where not factory machined, machine cut for hardware per template, as required.
  - 5. Cut and fit thresholds and floor covers to profile of door frames. Join units with concealed welds. Cut smooth openings for spindles, bolts, or similar items. Screw thresholds to substrate with the manufacturer's standard machine screws/expansion anchors (MS/EA) or as otherwise specified. Fill cavities of thresholds at sound rated openings with 1 inch thick (uncompressed thickness) low density fiberglass sill sealer insulation full width and length of the threshold. In addition to fastening requirements, set thresholds for exterior doors in a full bed of butyl-rubber or polyisobutylene mastic sealant.
  - 6. Do not install hardware which is incomplete or apparently improper for application. Notify the hardware supplier immediately of any such deficiencies. Failure to comply with this requirement indicates the hardware installer's acceptance of responsibility for proper application and performance.
  - 7. Where new hardware is to be installed on existing doors, ensure that the door and frame components can accept the new specified hardware. Notify the architect and the owner where hardware cannot be properly installed or if additional hardware is required for an operational application.
- F. Cutting and Patching:

Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, coordinate removal, storage and reinstallation or application of surface protections with finishing work specified in the Division-9 sections.

### 3.03 ADJUSTING

- A. Initial Adjustment:
  - 1. Adjust and check each operating item of hardware and each door, to ensure proper operation or function of every unit. Adjust resilient faced sound stops for continuous contact with door and threshold. Adjust weatherstripping and sweeps to completely seal doors with frames and to adjacent structures.
  - 2. Replace units which cannot be adjusted to operate freely and smoothly as intended for the application made.
- B. Final Adjustment: Wherever hardware installation is made more than one month prior to acceptance or occupancy of a space or area, return to the work during the week prior to acceptance or occupancy, and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and

finish of hardware and doors. Adjust door control devices to compensate for final operation of heating and ventilating equipment.

**3.04 DEMONSTRATION**

Instruct Owner's personnel in proper adjustment and maintenance of hardware and hardware finishes, during the final adjustment of hardware.

**3.05 CLEANING AND DEBRIS**

- A. Cleaning:
  - 1. Clean work under provisions of Division 1
  - 2. Clean adjacent surfaces soiled by work of this section.
- B. Debris: Under provisions of Division 1, remove debris from project site and legally dispose of off-site.

**3.06 MAINTENANCE**

- A. Approximately six months after the acceptance of hardware in each area, the hardware installer shall:
  - 1. Return to the project and re-adjust every item of hardware to restore proper function of doors and hardware.
  - 2. Consult with and instruct Owner's personnel in recommended additions to the maintenance procedures.
  - 3. Replace hardware items which have deteriorated or failed due to faulty design, materials or installation of hardware units.
  - 4. Prepare a written report of current and predictable problems (of substantial nature) in the performance of the hardware and submit to the Architect.

**3.07 PROTECTION**

Under provisions of Division 1, protect work of this section as required so that work will be without damage or deterioration at the time of completion and acceptance by the Owner.

**3.08 DOOR HARDWARE SCHEDULE**

**List of Manufacturers**

AB	ABH	Overhead Stops
BE	Best Access	Closers, Maglocks
DM	Dorma USA	Locks, Cylinders, Exit Devices, Operators
KD	Keedex	Weldable Lock Box
NA	National Guard	Gaskets, Thresholds
PR	Precision	Power Supplies, Power Transfers
RC	Rutherford Controls	Electrical Components
RO	Rockwood	Decorative Pulls
SO	Soss	Invisible Hinges
ST	Stanley	Hinges, Wire Harnesses
TR	Trimco	Stops, Flat Goods

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GSQ Bldg A, C, F - BP4C-KVC  
Bulletin 01

**Steamboat Base Village  
Redevelopment-BP4-Interiors**  
Steamboat Springs, Colorado

## Finish Codes

<u>Code</u>	<u>Description</u>
600	Primed for Field Painting
622	Flat Black Coated
626/652	Satin Chrome Plated
630	Satin Stainless Steel (Operator Switches)
689	Painted Aluminum
693	Painted Black
BLK	Black
BPC	Black Powder Coat

## Option List

<u>Code</u>	<u>Description</u>
D	Conventional Cylinder (Dorma)
RB-Kwy	Russwin D1 6-pin
MLR	Motorized Latch Retraction (Dorma)
MS	Touchbar Monitor Switch (Dorma)
LFSF	Electric Locking Trim, Fail Safe (Dorma)
B4E	Beveled 4 Edges - Kick and Mop Plates (Trimco)
CS	Countersunk Screws (Trimco)
MS/EA	Machine Screws/Expansion Anchors (NGP)
SMS-TEKS	Self Drilling Machine Screws (NGP)

## SET #1 - Corridor/Open Office

Doors: 102, 112

4	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Passage Set	M9010 L110A	622	DM
1	Closer	HD7016 SPA	693	BE
1	Floor Stop	W1211	622	TR
3	Door Silencers	1229A	BLK	TR

## SET #2 - Storage

Door: 205, **F209. A305**

4	Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
<b>1</b>	<b>Lockset</b>	<b>M9080D L110A RB-Kwy</b>	<b>622</b>	<b>DM</b>
1	Floor Stop	W1211	622	TR
3	Door Silencers	1229A	BLK	TR

**SET #3 - Office**

Doors: 125, 126A, 127, 128A

4	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Lockset	M9050D L110A RB-Kwy	622	DM
1	Floor Stop	W1211	622	TR
1	Coat Hook	3070-1	622	TR
3	Door Silencers	1229A	BLK	TR

**SET #4 - IDF/IT Build**

Door: 211

4	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Closer	HD7016 JT	693	BE
1	Floor Stop	W1211	622	TR
1	Gasketing	5050 B Head & Jambs		NA

**SET #4A - IDF**

Doors: 212, 224

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Closer	HD7016 SPA	693	BE
1	Floor Stop	W1211	622	TR
1	Gasketing	5050 B Head & Jambs		NA

Modify existing door and frame to accept new hardware as specified.

**SET #4B - IDF/IT - Card Access**

Door: 114

2	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
*1	Electric Hinge	CECB179-12C 4 1/2 X 4 1/2	BLK	ST
*1	Electrified Lockset	M9080D EU L110A RB-Kwy RX	622	DM
1	Closers	HD7016 JT	693	BE
1	Floor Stop	W1211	622	TR
1	Gasket	5050B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases lever and allows access. Card reader by security access.

**SET #5 - Restroom - Automatic**

Doors: 104, 105, 209, 210

4	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Pull Plate	1018-3	622	TR
1	Push Plate	1001-9	622	TR
*1	Operator/Switches	Specified in Section 087113		
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Floor Stop	W1211	622	TR
1	Gasketing	5050 B Head & Jambs		NA

**SET #7 - AGR/Shower/Mother's Room**

Doors: 116, 117, 214, C205

4	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Privacy w/Indicator	M9046 L110A	622	DM
1	Closer	HD7016 JT	693	BE
1	Floor Stop	W1211	622	TR
1	Gasketing	5050 B Head & Jambs		NA

**SET #8 - Entrance - Card Access - Automatic**

Doors: P.001B, P.001C

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9600BB MLR MS	693	DM
*1	Exit Device	9600BB D MLR MS RB-Kwy	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
*1	Operator/Switches	Specified in Section 087113		
2	Door Stops	1214H	622	TR
2	Door Sweeps	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Card activation momentarily retracts latches, energizes exterior operator switch and allows access. Inside operator switch always active. Card reader by security access. Coordinate operation per 1.05-A-6. Mount pulls not to conflict with vertical rods. Verify threshold application.



**SET #8A - Entrance**

Door: 100A

2	Continuous Hinges	661HD	BLK	ST
1	Exit Device	9600BB x OP02 D CD RB-Kwy	693	DM
1	Exit Device	9600BB x OP02 CD RB-Kwy	693	DM
2	Door Pulls	RM4190 48" 14XHD Fasteners	BPC	RO
2	Closers	HD7016 SPA DP70	693	DM
2	Door Stops	1214H	622	TR
2	Door Sweeps	200 NGBL SMS-TEKS		NA
1	Threshold	898 NDKB MS/EA		NA
Gaskets by door manufacturer. Verify threshold application.				

**SET #9 - Vestibule - Card Access - Automatic**

Doors: P.001A, P.001D

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9600BB MLR MS	693	DM
*1	Exit Device	9600BB D MLR MS RB-Kwy	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
*1	Operator/Switches	Specified in Section 087113		
2	<b>Overhead Stops</b>	<b>900S Series</b>	<b>S4</b>	<b>AB</b>
*1	Console	CC402DTM		DM
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Modify existing doors and frame to accept new hardware as specified. Notify the architect of any installation issues. Card activation momentarily retracts latches, energizes exterior operator switch and allows access. Inside operator switch always active. Card reader by security access. Coordinate and locate remote switch as directed. Coordinate operation per 1.05-A-6. Mount pulls not to conflict with vertical rods. Gaskets by frame manufacturer.

**SET #9A - Vestibule - Card Access**

Door: 100B

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9600BB MLR MS	693	DM
*1	Exit Device	9600BB D MLR MS RB-Kwy	693	DM
2	Door Pulls	RM4190 48" 14XHD Fasteners	BPC	RO
2	Closers	HD7016 SPA DP70	693	DM
2	Floor Stops	W1211	622	TR
*1	Console	CC402DTM		DM
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Modify existing doors and frame to accept new hardware as specified. Notify the architect of any installation issues. Card activation momentarily retracts latches and allows access. Card reader by security access. Coordinate and locate remote switch as directed. Coordinate operation per 1.05-A-6. Gaskets by frame manufacturer

**SET #10 - Stair**

Doors: 108A, 130

4	Hinges	CB168 4 1/2 X 4 1/2	BLK	ST
1	Exit Device	F9300B x YL11023	693	DM
1	Closer	HD7016 JT	693	BE
1	Floor Stop	W1211	622	TR
1	Gasketing	5050 B Head & Jambs		NA

**SET #10A - Stair - Card Access**

Doors: A301

2	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB168-12C 4 1/2 x 4 1/2	BLK	ST
*1	Exit Device	F9300B x YL11008D LFSF MS RB-Kwy	693	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Gasketing	5050 B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Device is fail safe per code. Must unlock on fire alarm. Card reader by security access.

**SET #11 - Stair Exit - Card Access**

Door: 108B

2	Hinges	CB199 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB199-12C 4 1/2 x 4 1/2	BLK	ST
*1	Exit Device	9300B D MLR MS RB-Kwy	693	DM
1	Offset Pull	RM4190 48" x 14XHD	BPC	RO
1	Closer	HD7016 SPA	693	BE
1	Door Stop	1214H	622	TR
1	Gasketing	700 NGBL SMS-TEKS		NA
1	Door Sweep	200 NGBL SMS-TEKS		NA
1	Threshold	898 NDKB MS/EA		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Modify existing door and frame to accept new hardware as specified. Do not cut weatherstrip - template hardware accordingly. Verify threshold application. Card activation momentarily retracts latch and allows access. Card reader by security access.

**SET #11A - Stair - Card Access**

Doors: 208, 230

3	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB168-12C 4 1/2 x 4 1/2	BLK	ST
*1	Exit Device	F9300B x YL11008 D LFSF RB-Kwy	693	DM
1	Closer	HD7016 JT	693	BE
1	Floor Stop	W1211	622	TR
1	Gasketing	5050 B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Modify existing door and frame to accept new hardware as specified. Device is fail safe - must release on alarm. Card activation momentarily unlocks trim and allows access. Card reader by security access.

**SET #12 - Existing Patio**

Doors: 126B, 128B, 201A, 201B, 204B, 206B, 219B

3	Hinges	CB199 4 1/2 X 4 1/2 NRP	BLK	ST
1	Lockset	M9973D L110A RB-Kwy	622	DM
1	Closer/Stop	HD7016 IS	693	BE

Modify existing door and frame to accept new hardware as specified. Balance reuse existing. Cylinder on exterior side to allow key access from the exterior - verify if acceptable to local jurisdiction.

**SET #12A - Existing Patio**

Doors: 113B, 206A, 216A, 216B, 216C

3	Hinges	CB199 4 1/2 X 4 1/2 NRP	BLK	ST
1	Passage Latch	M9010 L110A	622	DM
*1	Magnetic Lock	BML-8310	313	BE
*1	Key Switch	960-MO-TD	313	RC
1	Mortise Cylinder	90X Series RB-Kwy	693	DM
1	Closer/Stop	HD7016 IS	693	BE
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC
1	Battery Backup	BB24-7 (2)		RC
1	Sign	"DOOR TO REMAIN UNLOCKED..."		TR

Modify existing door and frame to accept new hardware as specified. Balance reuse existing. Provide mounting brackets as needed for proper operation. Magnetic lock controls the opening as is integrated with the security access system to be locked/unlocked at preset time coordinates. Key switch on the exterior side momentarily releases magnet when locked.

**SET #13 - Storage**

Doors: 120A, A321, A321A

8	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
2	Single Dummy	M9001 L110A	622	DM
2	Roller Latches	1559W A-STRIKE	622	TR
1	Floor Stop	W1211	622	TR
1	Overhead Stop	4420 SERIES	BLK	AB
2	Door Silencers	1229A	BLK	TR

**SET #13A - Storage**

Door: 120B

8	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
2	Single Dummy	M9001 L110A	622	DM
2	Roller Latches	1559W A-STRIKE	622	TR
2	Overhead Stops	4420 SERIES	BLK	AB
2	Door Silencers	1229A	BLK	TR

**SET #14 - Reception**

Door: 101

4	Concealed Hinge	218	622	SO
1	Lockset	M9080D L110A RB-Kwy Less OS Trim	622	DM
1	Floor Stop	W1211	622	TR
3	Door Silencers	1229A	BLK	TR
Cylinder only on pull side - key serves as pull.				

**SET #15 - Existing Office - Card Access**

Door: A201

1	Continuous Hinge	661HD	BLK	ST
1	Lockset	8856.134.Dorma L110A	693	AC
*1	Electric Strike	BES-F41148	630	BE
1	Mortise Cylinder	90X Series RB-Kwy	693	DM
1	Closer/Stop	HD7016 SDS DP70	693	BE
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2A		RC

Modify existing door and frame to accept new hardware as specified. Card activation momentarily releases strike and allows access. Card reader by security access. Balance reuse existing.

**SET #16 - Entrance - Card Access**

Doors: A302

1	Continuous Hinge	661HD	BLK	ST
1	Exit Device	9700BB D CD RB-Kwy	693	DM
1	Offset Pull	RM4190 48" x 14XHD	BPC	RO
*1	Electric Strike	BES-0162	630	DM
1	Closer/Stop	HD7016 SDS DP70	693	BE
*1	Wire Harnesses	WH-6E		ST
*1	Wire Harnesses	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases strike and allows access. Card reader by security access. Coordinate operation per 1.05-A-6. Balance reuse existing.

**SET #16A - Entrance**

Door: A328A

1	Continuous Hinge	661HD	BLK	ST
1	Exit Device	9700BB D CD RB-Kwy	693	DM
1	Offset Pull	RM4190 48" x 14XHD	BPC	RO
1	Closer/Stop	HD7016 SDS DP70	693	BE

Modify existing door and frame to accept new hardware as specified. Balance reuse existing.

**SET #17 - Existing Door**

Door: A303, A400A, A400B, K.111C

Reuse existing hardware. Replace cores of existing lockset with building standard if lockset is present.

**SET #18 - Wellness/AGR/Shower**

Doors: A309, A326

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Privacy w/Indicator	M9046 L110A	622	DM
1	Closer	HD7016 JT	693	BE
1	Floor Stop	W1211	622	TR
1	Gasketing	5050 B Head & Jambs		NA

**SET #19 - Electrical - Card Access**

Door: A312

3	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
1	Exit Device	9300BB x YL11003R D LD RB-Kwy	693	DM
*1	Electric Strike	BES-0162	630	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Gasket	5050B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases strike and allows access. Card reader by security access.

**SET #20 - IDF - Card Access**

Door: A314

7	Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB179-12C 4 1/2 X 4 1/2	BLK	ST
2	Flush Bolts	3917-12	622	TR
1	Dust Proof Strike	3911	622	TR
*1	Electrified Lockset	M9080D EU L110A RB-Kwy RX	622	DM
2	Closers	HD7016 SPA	693	BE
2	Floor Stops	W1211	622	TR
1	Gasket	5050B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Inactive leaf for movement of materials only. **Astragal on inactive leaf by door manufacturer.** Card activation momentarily releases lever and allows access. Card reader by security access.

**SET #20A - Storage**

Door: F208, **A317, A318, A327**

6	Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
2	Flush Bolts	3917-12	622	TR
1	Dust Proof Strike	3911	622	TR
1	Lockset	M9080D L110A RB-Kwy	622	DM
2	Floor Stops	W1211	622	TR
<b>2</b>	<b>Silencers</b>	<b>1229A</b>	<b>GREY</b>	<b>TR</b>

Inactive leaf for movement of materials only. **Astragal on inactive leaf by door manufacturer.**

**SET #20B - Storage**

Door: **A327**

<b>8</b>	<b>Hinges</b>	<b>CB179 4 1/2 X 4 1/2 NRP</b>	<b>BLK</b>	<b>ST</b>
<b>2</b>	<b>Flush Bolts</b>	<b>3917-12</b>	<b>622</b>	<b>TR</b>
<b>1</b>	<b>Dust Proof Strike</b>	<b>3911</b>	<b>622</b>	<b>TR</b>
<b>1</b>	<b>Lockset</b>	<b>M9080D L110A RB-Kwy</b>	<b>622</b>	<b>DM</b>
<b>2</b>	<b>Closers</b>	<b>HD7016 SPA</b>	<b>693</b>	<b>BE</b>
<b>2</b>	<b>Floor Stops</b>	<b>W1211</b>	<b>622</b>	<b>TR</b>
<b>1</b>	<b>Gasket</b>	<b>5050B Head &amp; Jambs</b>		<b>NA</b>
<b>2</b>	<b>Silencers</b>	<b>1229A</b>	<b>GREY</b>	<b>TR</b>

Inactive leaf for movement of materials only. **Astragal on inactive leaf by door manufacturer.** Card activation momentarily releases lever and allows access.

**SET #21 - Existing Office**

Door: A320A

1	Continuous Hinge	661HD	BLK	ST
1	Lockset	8856.134.Dorma L110A	693	AC
1	Mortise Cylinder	90X Series RB-Kwy	693	DM
1	Closer/Stop	HD7016 SDS DP70	693	BE

Modify existing door and frame to accept new hardware as specified. Notify the architect and owner of any installation issues. Balance reuse existing.

**SET #22 - Restroom**

Doors: A322, A323

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Pull Plate	1018-3	622	TR
1	Push Plate	1001-9	622	TR
1	Closer	HD7016 JT	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Floor Stop	W1211	622	TR
1	Gasketing	5050 B Head & Jambs		NA

**SET #22A - Restroom**

Doors: C203, C204

4	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Pull Plate	1018-3	622	TR
1	Push Plate	1001-9	622	TR
1	Closer	HD7016 JT	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Floor Stop	W1211	622	TR
1	Gasketing	5050 B Head & Jambs		NA



**SET #23 - Vestibule - Card Access**

Door: A328B

1	Continuous Hinge	661HD EPT	BLK	ST
*1	Power Transfer	EPT-12C		PR
*1	Exit Device	9700BB D MLR MS RB-Kwy	693	DM
1	Door Pull	RM4190 48" 14XHD Fasteners	BPC	RO
1	Closer	HD7016 SPA DP70	693	DM
1	Door Stop	W1211	622	TR
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Modify existing door and frame to accept new hardware as specified. Notify the architect of any installation issues. Card activation momentarily retracts latches and allows access. Card reader by security access. Coordinate operation per 1.05-A-6. Gaskets by frame manufacturer

**SET #24 - Storage/Office - Card Access**

Doors: A401, F204

2	Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB179-12C 4 1/2 X 4 1/2	BLK	ST
*1	Electrified Lockset	M9080D EU L110A RB-Kwy RX	622	DM
1	Closer	HD7016 SPA	693	BE
1	Floor Stop	W1211	622	TR
1	Gasket	5050B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases lever and allows access. Card reader by security access.

**Gensler**  
003.7835.000

2021-0806  
BP4B-Admin, BP4C-KVC, BP4D-  
GSQ Bldg A, C, F - BP4C-KVC  
Bulletin 01

**Steamboat Base Village  
Redevelopment-BP4-Interiors**  
Steamboat Springs, Colorado

**SET #24A - Storage**

Door: C205, C206

4 Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
1 Lockset	M9080D L110A RB-Kwy	622	DM
1 Floor Stop	W1211	622	TR
3 Silencers	1229A	GREY	TR

**SET #25 - Office**

Doors: A405, F202, F203

3 Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1 Passage Latch	M9010 L110A	622	DM
1 Closer	HD7016 JT	693	BE
1 Floor Stop	W1211	622	TR
3 Silencers	1229A	GREY	TR

**SET #26 - Lockers - Card Access - Automatic**

Door: F207A

1 Continuous Hinge	661HD EPT	BLK	ST
*1 Power Transfer	EPT-12C		PR
*1 Exit Device	9700BB D MLR MS RB-Kwy	693	DM
1 Offset Pull	RM4190 48" x 14XHD	BPC	RO
*1 Operator/Switches	Specified in Section 087113		
*1 Wire Harness	WH-6E		ST
*1 Wire Harness	WH-12P		ST
*1 Wire Harness	WH-192		ST
*1 Power Supply	RPSMLR2		PR

Card activation momentarily retracts latch, energizes exterior operator switch and allows access. Inside operator switch always active. Card reader by security access. Coordinate operation per 1.05-A-6. Modify existing door and frame to accept new hardware as specified. Balance reuse existing.

**SET #26A - Lockers - Card Access - Automatic**

Door: C207

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9800BB D LB MLR MS RB-Kwy	693	DM
*1	Exit Device	9800BB LB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
*1	Operator Set/Switches	Specified in Section 087113		
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Card activation momentarily retracts latches, energizes exterior operator switch and allows access. Inside operator switch always active. Card reader by security access. Coordinate operation per 1.05-A-6. Modify existing door and frame to accept new hardware as specified. Mount pulls not to conflict with vertical rods. Balance reuse existing.

**SET #26B - Lockers - Card Access**

Doors: C201A, F201

1	Continuous Hinge	661HD EPT	BLK	ST
*1	Power Transfer	EPT-12C		PR
*1	Exit Device	9700BB D MLR MS RB-Kwy	693	DM
1	Offset Pull	RM4190 48" x 14XHD	BPC	RO
1	Closer/Stop	HD7016 SDS x DP70	693	BE
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Card activation momentarily retracts latch and allows access. Card reader by security access. Coordinate operation per 1.05-A-6. Modify existing door and frame to accept new hardware as specified. Balance reuse existing.

**SET #27 - Office - Exit Only**

Doors: K.157

1	Continuous Hinge	661HD	BLK	ST
1	Exit Device	9700BB	693	DM
1	Closer/Stop	HD7016 SDS DP70	693	BE

Exit only. Modify existing door and frame to accept new hardware as specified. Balance reuse existing.

**SET #27A - Lockers**

Doors: C201B, C201C

1	Continuous Hinge	661HD	BLK	ST
1	Exit Device	9700BB x ZL11008 CD D RB-Kwy	693	DM
1	Closer/Stop	HD7016 SDS DP70	693	BE
Modify existing door and frame to accept new hardware as specified. Balance reuse existing.				

**SET #28 - Storage**

Door: C202

4	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Floor Stop	W1211	622	TR
3	Silencers	1229A	GREY	TR

**SET #29 - Mechanical Access**

Door: F207B

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Passage Latch	M9010 L110A	622	DM
1	Floor Stop	W1211	622	TR
3	Silencers	1229A	GREY	TR

**SET #30 - Goldwalk Boiler Room**

Door: GW100A

6	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Set Auto Flush Bolts	3810 X 3810	626	TR
1	Dust Proof Strike	3911	630	TR
1	Lockset	M9080D L110A RB-Kwy	626	DM
1	Coordinator	3093	626	TR
1	Closer (inactive)	HD7016 SPA	689	BE
*1	Hold Open Closer	8916 EMF/PT	689	DM
2	Kick Plates	K0050 10" x 2" LDW B4E CS	630	TR
2	Floor Stops	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA
1	Sweep	A605 A SMS-TEKS		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2A		RC

Astragal on inactive leaf by door manufacturer. Hold open must release on alarm. Mount stops not to pose a tripping hazard.

**SET #31 - Goldwalk Boiler Room**

Doors: GW100B, GQ100C, GW100D, GW100E

8	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Set Auto Flush Bolts	3810 X 3810	626	TR
1	Dust Proof Strike	3911	630	TR
1	Lockset	M9080D L110A RB-Kwy	626	DM
1	Coordinator	3093	626	TR
*2	Hold Open Closers	8916 EMF/PT	689	DM
2	Kick Plates	K0050 10" x 2" LDW B4E CS	630	TR
2	Floor Stops	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA
2	Sweeps	A605 A SMS-TEKS		NA
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	DKPS-2A		RC

Astragal on inactive leaf by door manufacturer. Hold open must release on alarm. Mount stops not to pose a tripping hazard.

**SET #32 - Goldwalk Storage**

Door: GW101

8	Hinges	CB179 4 1/2 X 4 1/2	652	ST
1	Set Auto Flush Bolts	3810 X 3810	626	TR
1	Dust Proof Strike	3911	630	TR
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Coordinator	3094 Series	BLK	TR
2	Closers	HD7016 JT	689	BE
2	Kick Plates	K0050 10" x 2" LDW B4E CS	630	TR
2	Floor Stops	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA
2	Sweeps	A605 A SMS-TEKS		NA

Astragal on inactive leaf by door manufacturer. Mount stops not to pose a tripping hazard.

**SET #33 - Promenade Overhead Door**

Doors: P.004B, P.005C

1	Mortise Cylinder	90X Series RB-Kwy	622	DM
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Balance by door manufacturer.

**SET #33A - Goldwalk Gate**

Gate: GW101A

1	Weldable Lock Box	KBXMOR Series	600	KD
1	Lockset	M9080D L110A RB-Kwy	626	DM
Balance by the gate manufacturer.				

**SET #34 - Goldwalk Mechanical/Electrical**

Doors: GW104, GW105, GW107

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Lockset	M9080D L110A RB-Kwy	626	DM
1	Kick Plate	K0050 10" x 2" LDW B4E CS	630	TR
1	Floor Stop	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA

**SET #34A - Storage**

Door: A305

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Floor Stop	W1211	622	TR
3	Silencers	1229A	BLK	NA

**SET #34B - Goldwalk Mechanical/Electrical**

Door: GW102

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Lockset	M9080D L110A RB-Kwy	626	DM
1	Closer	HD7016 SPA	689	BE
1	Kick Plate	K0050 10" x 2" LDW B4E CS	630	TR
1	Floor Stop	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA
1	Sweep	A605 A SMS-TEKS		NA

**SET #35 - Goldwalk Mechanical Exterior**

Door: GW103

3	Hinges	CB199 4 1/2 X 4 1/2 NRP	BLK	ST
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Kick Plate	K0050 10" x 2" LDW B4E CS	630	TR
1	Gasketing	700 NGBL SMS-TEKS		NA
1	Sweep	200 NGBL SMS-TEKS		NA
1	Threshold	898 NDKB MS/EA		NA

Do not cut weatherstrip - template hardware accordingly. Verify threshold application.

**SET #36 - Goldwalk Vestibule**

Door: GW106

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Lockset	M9050D L110A RB-Kwy	626	DM
1	Closer	HD7016 SPA	689	BE
1	Kick Plate	K0050 10" x 2" LDW B4E CS	630	TR
1	Wall Stop	1270WV	630	TR
1	Gasket	5050B Head & Jambs		NA

**SET #37 - Goldwalk - Retail - Card Access - Automatic**

Door: GW300

1	Continuous Hinge	661HD EPT	BLK	ST
*1	Power Transfer	EPT-12C		PR
*1	Exit Device	9700BB D MLR MS RB-Kwy	693	DM
1	Offset Pull	RM4190 48" x 14XHD	BPC	RO
*1	Operator/Switches	Specified in Section 087113		
1	Sweep	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases strike, energizes exterior operator switch and allows access. Inside operator switch always active. Card reader by security access. Coordinate operation per 1.05-A-6. Gaskets by door manufacturer. Verify threshold application.

**SET #38 - Mechanical/Electrical**

Doors: P.005A, P.005B, P.002A, K.112B

3	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
1	Exit Device	F9300B x YL11003R D RB-Kwy	622	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA

**SET #38A - Promenade Electrical**

Door: P.002B

3	Hinges	CB199 4 1/2 X 4 1/2 NRP	BLK	ST
1	Exit Device	F9300B x YL11003R D RB-Kwy	622	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasketing	700 NGBL SMS-TEKS		NA
1	Sweep	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA

**SET #39 - Promenade Dishwashing - Card Access**

Doors: P.006, P.016

2	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
*1	Electric Hinge	CECB179-12C 4 1/2 X 4 1/2	BLK	ST
*1	Electrified Lockset	M9080D EU L110A RB-Kwy RX	622	DM
1	Closer/Stop	HD7016 IS	693	BE
1	Gasket	5050B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases lever and allows access. Card reader by security access.



**SET #39A - Promenade Keg/Cold Room - Card Access**

Doors: P.012, P.013

2	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
*1	Electric Hinge	CECB179-12C 4 1/2 X 4 1/2	BLK	ST
*1	Electrified Lockset	M9080D EU L110A RB-Kwy RX	622	DM
1	Closer/Stop	HD7016 IS	693	BE
1	Sweep	A607 A GBL SMS-TEKS		NA
1	Gasket	5050B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases lever and allows access. Card reader by security access.

**SET #40 - Promenade Electrical/Mechanical**

Doors: P.007, P.019, P.020

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA

**SET #41 - Promenade ERV**

Doors: P.008, P.014, P.003

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Closer/Stop	HD7016 IS	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA

**SET #42 - Promenade Stair**

Door: P.010

3	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
1	Exit Device	F9300B x YL11023	622	DM
1	Closer/Stop	HD7016 IS	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA

**SET #43 - Promenade Storage – Card Access**

Door: P.011A

5	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
*1	Electric Hinge	CECB179-12C 4 1/2 X 4 1/2	BLK	ST
1	Set Auto Flush Bolts	3810 X 3810	622	TR
1	Dust Proof Strike	3911	622	TR
*1	Lockset	M9080D EU L110A RB-Kwy RX	622	DM
1	Coordinator	3094 Series	BLK	TR
2	Closer/Stops	HD7016 IS	693	BE
2	Kick Plates	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2A		RC

Astragal on inactive leaf by door manufacturer. Card activation momentarily unlocks trim and allows access.

**SET #44 - Promenade Storage - Card Access - Delayed Egress**

Door: P.011B

4	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
*2	Electric Hinges	CECB168-12C 4 1/2 X 4 1/2	BLK	ST
2	Exit Devices	F9400B x YL11003R D LB MLR MS	693	TR
*2	Maglocks	BML-DE8310S	313	BE
1	Mortise Cylinder	90X Series RB-Kwy	622	DM
2	Closer/Stops	HD7016 IS	693	BE
2	Kick Plates	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA
1	Gasket Set	A605 A GBL SET		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2A		RC

Maglocks are delayed egress - sounds alarm for 15 seconds then allows egress. Card reader (both sides) retracts latches, shunts maglocks and allows egress/access. Provide mounting brackets as required.

**SET #45 - Promenade Lockers - Card Access - Delayed Egress**

Door: P.015

8	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
2	Exit Devices	F9400B LB	693	TR
*1	Maglock	BML-DE8310S	313	BE
1	Mortise Cylinder	90X Series RB-Kwy	622	DM
2	Closers	HD7016 SDS	693	BE
2	Kick Plates	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA
1	Astragal	139 SP GBL		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2A		RC

Double egress door. Maglock is delayed egress - sounds alarm for 15 seconds then allows egress. Card reader (secure sides) shunts maglock and allows egress. Locate maglock as directed. Provide mounting brackets as required. Mount astragal on either leaf.

**SET #46 - Promenade IDF/IT - Card Access**

Doors: P.017, P.018

2	Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB179-12C 4 1/2 X 4 1/2	BLK	ST
*1	Electrified Lockset	M9080D EU L110A RB-Kwy RX	622	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases lever and allows access. Card reader by security access.

**SET #47 - Promenade Loading - Card Access**

Door: P.004A

2	Hinges	CB168 4 1/2 X 4 1/2	BLK	ST
*1	Electric Hinge	CECB168-12C 4 1/2 X 4 1/2	BLK	ST
*1	Exit Device	F9300B x YL11003R D MLR MS	622	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Card activation momentarily retracts latch and allows access. Card reader by security access.

**SET #48 - Promenade Loading – Card Access**

Door: P.004E

2	Hinges	CB199 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB199-12C 4 1/2 X 4 1/2	BLK	ST
*1	Exit Device	9300B D MLR MS RB-Kwy	693	DM
1	Offset Pull	RM4190 48" x 14XHD	BPC	RO
1	Closer/Stop	HD7016 SDS	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasketing	700 NGBL SMS-TEKS		NA
1	Sweep	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Card activation momentarily retracts latch and allows access. Do not cut weatherstrip - template hardware accordingly. Verify threshold application.

**SET #49 - KVC Main Entry**

Door: K.101A, K.162A

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9800BB D LB MLR MS RB-Kwy	693	DM
*1	Exit Device	9800BB LB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
*2	Operators/Switches	Specified in Section 087113		
2	Sweeps	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Modify existing doors to accept new lockdown hardware as specified. Operators in section 087113. Coordinate operation with the owner, architect and security access. Verify threshold application. Balance reuse existing. Card reader by security access.

**SET #49A - KVC Main Entry**

Door: K.162C

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9800BB D LB MLR MS RB-Kwy	693	DM
*1	Exit Device	9800BB LB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
2	Closer/Stops	HD7016 SDS DP70	693	BE
2	Sweeps	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Modify existing doors to accept new lockdown hardware as specified. Coordinate operation with the owner, architect and security access. Verify threshold application. Balance reuse existing.

**SET #49B - KVC Main Entry**

Door: K.162C

1	Continuous Hinge	661HD EPT	BLK	ST
*1	Power Transfer	EPT-12C		PR
*1	Exit Device	9700BB D MLR MS RB-Kwy	693	DM
1	Offset Pull	RM4190 48" x 14XHD	BPC	RO
1	Closer/Stop	HD7016 SDS DP70	693	BE
1	Sweep	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Modify existing door to accept new lockdown hardware as specified. Coordinate operation with the owner, architect and security access. Verify threshold application. Balance reuse existing.

**SET #50 - KVC Vestibule**

Doors: K.101A, K.114B, K.162D

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9600BB D MLR MS RB-Kwy	693	DM
*1	Exit Device	9600BB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
*2	Operators/Switches	Specified in Section 087113		
2	Floor Stops	W1211	622	TR
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Operators in section 087113. Coordinate operation with the owner, architect and security access. Gaskets by door manufacturer. Alarms and card reader by security access.

**SET #50A - KVC Vestibule**

Door: K.162F

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9600BB D MLR MS RB-Kwy	693	DM
*1	Exit Device	9600BB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
2	Closer/Stops	HD7016 SDS DP70	693	BE
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Coordinate operation with the owner, architect and security access. Gaskets by door manufacturer.

**SET #50B - KVC Vestibule**

Door: K.162E

1	Continuous Hinge	661HD EPT	BLK	ST
*1	Power Transfer	EPT-12C		PR
*1	Exit Device	9700BB D MLR MS RB-Kwy	693	DM
1	Offset Pull	RM4190 48" x 14XHD	BPC	RO
1	Closer/Stop	HD7016 SDS DP70	693	BE
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Coordinate operation with the owner, architect and security access. Gaskets by door manufacturer.

**SET #50C - KVC Vestibule**

Door: K.114B

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9600BB D MLR MS RB-Kwy	693	DM
*1	Exit Device	9600BB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
*2	Operators/Switches	Specified in Section 087113		
2	Floor Stops	W1211	622	TR
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Operators in section 087113. Gaskets by door manufacturer. Devices have monitoring switches that will sound an alarm if operated from the egress side. Card readers shunt the alarm and allow immediate egress. Coordinate operation with the owner, architect and security access. Gaskets by door manufacturer. Card reader, alarm, signage and egress monitoring motion detector by security access.

**SET #51 - KVC Alternate Entry**

Doors: K.101C, K.101D

2	Mortise Cylinders	90X Series RB-Kwy	622	DM
Balance hardware and emergency lockdown by sliding door manufacturer.				

**SET #52 - KVC Check In Area/Lounge**

Door: K.158

4	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
*2	Electric Hinges	CECB168-12C 4 1/2 X 4 1/2	BLK	ST
*1	Exit Device	9400B D LB MLR MS RB-Kwy	693	DM
*1	Exit Device	9400B LB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
2	Closer/Stops	HD7016 SDS	693	BE
2	Kick Plates	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA
1	Gasket Set	A605 A GBL SET		NA
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Coordinate operation with the owner, architect and security access. Gaskets by door manufacturer. Card reader by security access.



**SET #52A - KVC Vestibule**

Door: K.126A

6	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
*2	Electric Hinges	CECB168-12C 4 1/2 X 4 1/2	BLK	ST
*1	Exit Device	9400B D LB MLR MS RB-Kwy	693	DM
*1	Exit Device	9400B LB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
2	Closer/Stops	HD7016 SDS	693	BE
2	Kick Plates	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket	5050B Head & Jambs		NA
1	Gasket Set	A605 A GBL SET		NA
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Devices have monitoring switches that will sound an alarm if operated from the egress side. Card readers shunt the alarm and allow immediate egress. Coordinate operation with the owner, architect and security access. Gaskets by door manufacturer. Card reader, alarm, signage and egress monitoring motion detector by security access.

**SET #52B - KVC Check In Area/Lounge**

Door: K.102

5	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB168-12C 4 1/2 X 4 1/2	BLK	ST
1	Push Plate	1001-9	622	TR
*1	Exit Device	9400B LBR MS	693	DM
2	Closer/Stops	HD7016 SDS	693	BE
2	Kick Plates	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasketing	5050 B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2A		RC

Double egress – locate monitored exit device on Sundance egress leaf or as directed. Exit from the Check In area free at all times. Card activation shunts alarm and allows

**immediate egress.** Coordinate operation with the owner, architect and security access.  
**Card readers, alarms, signage and egress monitoring motion detector by security access.**

**SET #53 - Restroom/Shower**

Doors:

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Privacy w/Indicator	M9046 L110A	622	DM
1	Closer	HD7016 JT	693	BE
1	Wall Bumper	1270WV	622	TR
1	Gasketing	5050 B Head & Jambs		NA

**SET #54**

**NOT USED**

**SET #55 - Kitchen**

Door: K.111B

6	Hinges	CB168 4 1/2 X 4 1/2	BLK	ST
2	Push Plates	1001-9	622	TR
2	Closers	HD7016 SPA	693	BE
2	Kick Plates	K6000 10" x 2" LDW B4E CS	BLK	TR
2	Wall Bumpers	1270WV	622	TR
1	Gasketing	5050 B Head & Jambs		NA
Double egress – not locking, free egress both directions.				

**SET #56 - Kitchen**

Door: K.111A

5	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB168-12C 4 1/2 X 4 1/2	BLK	ST
1	Push Plate	1001-9	622	TR
*1	Exit Device	9400B LBR MS	693	DM
*2	Operators/Switches	Specified in Section 087113		
2	Kick Plates	K6000 10" x 2" LDW B4E CS	BLK	TR
2	Wall Bumpers	1270WV	622	TR
1	Gasketing	5050 B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2A		RC

Double egress – **locate monitored exit device on corridor egress leaf as directed. Exit from the kitchen free at all times. Card activation shunts alarm, activates operators and allows immediate**

**egress.** Coordinate operation with the owner, architect and security access. **Card readers, alarms, signage and egress monitoring motion detector by security**

**SET #57 - KVC Entry**

Door: K.114A

2	Continuous Hinges	661HD EPT	BLK	ST
*2	Power Transfers	EPT-12C		PR
*1	Exit Device	9600BB D MLR MS RB-Kwy	693	DM
*1	Exit Device	9600BB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
*2	Operators/Switches	Specified in Section 087113		
2	Floor Stops	W1211	622	TR
2	Sweeps	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Operators in section 087113. Coordinate operation with the owner, architect and security access. Card reader by security access. Gaskets by door manufacturer.

**SET #58 - Storage/Laundry - Card Access**

**Doors: K.127, K.154, K.160, K.168**

2	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
*1	Electric Hinge	CECB179-12C 4 1/2 X 4 1/2	BLK	ST
*1	Electrified Lockset	M9080D EU L110A RB-Kwy RX	622	DM
1	Closer	HD7016 JT	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Wall Bumper	1270WV	622	TR
3	Silencers	1229A	BLK	TR
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases lever and allows access. Card reader by security access.

**SET #58A - Reception - Card Access**

Door: K.154

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
*1	Electric Hinge	CECB179-12C 4 1/2 X 4 1/2	BLK	ST
*1	Electrified Lockset	M9080D EU L110A RB-Kwy RX	622	DM
1	Closer	HD7016 JT	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Wall Bumper	1270WV	622	TR
3	Silencers	1229A	BLK	TR
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-44P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases lever and allows access. Card reader by security access.

**SET #58B - Storage/Laundry**

Doors: K.115, K.116, K.127. K.154, K.160, K.168

2	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Closer	HD7016 JT	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Wall Bumper	1270WV	622	TR
3	Silencers	1229A	BLK	TR

**SET #59 - Classroom - Exit Device**

Doors: K.117A, K.117B

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
1	Intruder Exit Device	9300B x TL1100808 D RB-Kwy	693	DM
1	Closer	HD7016 SPA	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
*1	Wall Magnet	EM-504-24120	693	DM
1	Gasketing	5050 B Head & Jambs		NA

Magnet must release on command from security access. Coordinate operation with the owner, architect and security access.

**SET #60 - Workroom/Feel Better/Classroom**

Doors: K.104, K110A, K.120, K121, **K.127**

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Intruder Lockset	M9072D L110A RB-Kwy	622	DM
1	Closer	HD7016 JT	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
*1	Wall Magnet	EM-504-24120	693	DM
1	Gasketing	5050 B Head & Jambs		NA

Magnet must release on command from security access. Coordinate operation with the owner, architect and security access.

**SET #61 - KVC Exterior Entry**

Door: K.126B, **K.150B**

4	Hinges	CB199 4 1/2 X 4 1/2 NRP	BLK	ST
*2	Electric Hinges	CECB199-12C 4 1/2 X 4 1/2	BLK	ST
*1	Exit Device	9400B D LB MLR MS RB-Kwy	693	DM
*1	Exit Device	9400B LB MLR MS	693	DM
2	Offset Pulls	RM4190 48" x 14XHD	BPC	RO
2	Closer/Stops	HD7016 SDS	693	BE
2	Kick Plates	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasket Set	A605 A GBL SET		NA
1	Gasket	700 NGBL SMS-TEKS		NA
2	Sweeps	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA
*2	Wire Harnesses	WH-6E		ST
*2	Wire Harnesses	WH-12P		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	RPSMLR2		PR

Modify existing doors and frame to accept new hardware as specified. Coordinate operation with the owner, architect and security access. Do not cut weatherstrip – template hardware accordingly. Verify threshold application. Card reader by security access.

**SET #61A - KVC Exterior Entry - Automatic**

**NOT USED**

**SET #62 - Office Storage**

Doors: K.156A, K.156B

6	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
2	Dummy Trims	M9001 L110A	622	DM
2	Roller Latches	1559W A-STRIKE	622	TR
2	Overhead Stops	4020 Series	S4	AB
2	Silencers	1229A	BLK	TR

**SET #63**

**NOT USED**

**SET #64 - Storage**

Door: K.159

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Wall Bumper	1270WV	622	TR
3	Silencers	1229A	BLK	TR

**SET #65 - Lounge - Exit Device - Delayed Egress**

Door: K.161

2	Hinges	CB168 4 1/2 X 4 1/2 NRP	BLK	ST
*1	Electric Hinge	CECB168-12C 4 1/2 X 4 1/2	BLK	ST
*1	Exit Device	9300B x YL11023 MS	693	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Gasketing	5050 B Head & Jambs		NA
*1	Wire Harness	WH-6E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Device has monitoring switch that will sound alarm if operated from the egress side. Card readers shunt the alarm and allow immediate access in both directions. Coordinate operation with the owner, architect and security access. Card readers, alarms, signage and egress monitoring motion detector by security access.

**SET #66 - Restroom**

Doors: K.169, K.170

3	Hinges	CB179 4 1/2 X 4 1/2	BLK	ST
1	Pull Plate	1018-3	622	TR
1	Push Plate	1001-9	622	TR
1	Closer	HD7016 JT	693	BE
1	Kick Plate	K6000 10" x 2" LDW B4E CS	BLK	TR
1	Wall Bumper	1270WV	622	TR
1	Gasketing	5050 B Head & Jambs		NA

**SET #67 - Lounge - Exit Device - Exit Only**

Door: K.171

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	BLK	ST
1	Exit Device	F9300B	693	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Gasketing	5050 B Head & Jambs		NA
	Exit only.			

**SET #68 - Existing Doors - Card Access**

Door: K.112A

Provide electronic hardware as needed to allow card access. Card reader by security access. Balance reuse existing.

**SET #D1 - Demountable Sliding Door – Non Locking**

Doors: 106, 109, 110, 121, 122, 123, 217, 218, 219A, 220, 221, 222, A306, A307, A329, A330. K.151, K.153

All hardware by demountable partition manufacturer.

**SET #D2 - Demountable Swinging Door – Non Locking**

Doors: 113A, 204A, 215, A304, A308, A316, **K.152**, K.155

All hardware by demountable partition manufacturer.

**SET #D3 - Demountable Swinging Door - Locking**

Doors: **223**, A315, A319, A320B, **A406**

All hardware by demountable partition manufacturer.

\* Requires electronic coordination

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**End of Section 08 71 00**



## Opening List

<u>Opening</u>	<u>Hdw Set</u>	<u>Opening Label</u>
100A	8A	
100B	9A	
101	14	
102	1	
104	5	
105	5	
106	D1	
108A	10	90
108B	11	
109	D1	
110	D1	
112	1	
113A	D2	
113B	12A	
114	4B	
116	7	
117	7	
120A	13	
121	D1	
122	D1	
123	D1	
125	3	
126A	3	
126B	12	
127	3	
128A	3	
128B	12	
130	10	90
201A	12A	
201B	12A	
204A	D2	
204B	12	
205	2	
206A	12A	
206B	12	
208	11A	90
209	5	
210	5	
211	4	
212	4A	
214	7	
215	D2	
216A	12	
216B	12A	
216C	12A	
217	D1	
218	D1	
219A	D1	
219B	12	

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220	D1	
221	D1	
222	D1	
223	D3	
224	4A	
230	11A	90
A201	15	
A301	10A	90
A302	16	
A303	17	
A304	D2	
A305	2	
A306	D1	
A307	D1	
A308	D2	
A309	18	
A312	19	
A314	20	
A315	D3	
A316	D2	
A317	20A	
A318	20A	
A319	D3	
A320A	21	
A320B	D3	
A321	13	
A321A	13	
A322	22	
A323	22	
A326	18	
A327	20B	
A328A	16A	
A328B	23	
A329	D1	
A330	D1	
A400A	17	
A400B	17	
A405	25	
A406	D3	
C201A	26B	
C201B	27A	
C201C	27A	
C202	28	
C203	22A	
C204	22A	
C205	7	
C206	24A	
C207	26A	
F201	26B	
F202	25	
F203	25	
F204	25	
F205	D1	
F206	18	

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F207A	26	
F207B	29	
F208	20A	
F209	2	
GW100A	30	45
GW100B	31	45
GW100C	31	45
GW100D	31	45
GW100E	31	45
GW101A	32	45
GW101B	33A	
GW102	34B	
GW103	35	
GW104	34	
GW105	34	
GW106	36	
GW300	37	
P.001B	8	
P.001C	8	
P.005A	38	
P.006	39	
P.007	40	
P.008	41	
P.010	42	90
P.011A	43	
P.011B	44	
P.012	39A	
P.013	39A	
P.014	41	
P.015	45	90
P.016	39	
P.017	46	
P.018	46	
P.019	40	
P.020	40	
P.002A	38	90
P.002B	38A	
P.003	41	
P.004A	47	
P.004B	33	
P.004C	33	
P.004D	33	
P.004E	48	
P.005B	38	
P.005C	33	
K.101A	49	
K.101B	50	
K.101C	51	
K.101D	51	
K.102	52B	
K.103	53	
K.104	60	
K.110A	60	
K.111A	56	

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K.111B	55	
K.111C	17	
K.112A	68	
K.112B	38	90
K.114A	57	
K.114B	50C	
K.115	58B	
K.116	58B	
K.117A	59	
K.117B	59	
K.120	60	
K.121	60	
K.123	53	
K.126A	52A	
K.126B	61	
K.127	60	
K.150A	17	
K.150B	61A	
K.151	D1	
K.152	D2	
K.153	D1	
K.154	58A	
K.155	D2	
K.156A	62	
K.156B	62	
K.157	27	
K.158	52	
K.159	64	
K.160	58	
K.161	65	
K.162A	49	
K.162B	49B	
K.162C	49A	
K.162D	50	
K.162E	50B	
K.162F	50A	
K.164	53	
K.165	53	
K.166	53	
K.167	53	
K.168	58	
K.169	66	
K.170	66	
K.171	67	20