

SECTION 08705

DOOR HARDWARE

1 PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract including General and Supplementary Conditions and Division 1 specification sections apply to Work of this section.

1.2 SUMMARY

- A. Hardware for wood, hollow steel, doors.
- B. Thresholds, weatherstripping, seals, and door gaskets.

1.3 SUBMITTALS

- A. Hardware Schedule: Indicate hardware components in sets correlated to door schedule.
- B. Product Data: Submit data for hardware components illustrating style, operating features, color, and finish.
- C. Operating and Maintenance Instructions: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.

1.4 QUALITY ASSURANCE

- A. Hardware Supplier: Company specializing in supplying commercial door hardware with 5 years documented experience approved by manufacturer.

1.5 COORDINATION

- A. Coordinate work of this section with other directly affected sections requiring any integral reinforcement for door hardware.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually. Label and identify package with door opening code to match schedule.
- B. Deliver keys to Owner.

1.7 MAINTENANCE

- A. Provide manufacturer's maintenance services on door closers and locksets for one year from Date of Substantial Completion.
- B. Provide special wrenches and tools applicable to each different or special hardware component.

## 2 PART 2 PRODUCTS

### 2.1 SUPPLIERS

A. Suppliers: Products of one or more manufacturers are listed in the Hardware Schedule to establish quality and performance characteristics. Products of other manufacturers may be accepted subject to review by Architect.

1. Manufacturers of Locksets:

- a. Corbin
- b. Sargent.
- c. Schlage.

2. Manufacturers of closers:

- a. Dorma.
- b. LCN.
- c. Norton.
- d. Rixson.
- e. Sargent.

3. Manufacturers of hinges:

- a. Hager.
- b. Stanley.

4. Manufacturers of thresholds and weatherstripping.

- a. National Guard Products.
- b. Pemko.
- c. Reese.
- d. Zero.

5. Manufacturers of panic sets:

- a. Dorma.
- b. Sargent.
- c. Von Duprin.

6. Manufacturers of door trim and accessories:

- a. Hiawatha.
- b. Ives.
- c. Rockwood.

### 2.2 KEYING

A. Door Locks: Master keyed. Include construction keying.

- B. Supply 3 change keys for each lock and 5 master keys, each tagged. Provide keys of nickel silver only.
- C. Key Cabinet: Sheet steel construction, enamelled finish, hinged door with key lock, internal hooks for 25 keys, identification labeling.

### 2.3 MATERIALS AND FABRICATION

- A. Provide products complying with ANSI A 156.1 standards.
- B. Name Plates: Do not provide products with manufacturers name or trade name displayed in a visible location except in conjunction with required UL labels.
- C. Provide hardware manufactured to conform to templates with machine screw installation. Do not provide hardware prepared for self-tapping screws.
- D. Fasteners: Provide Phillips flat head screws except as otherwise indicated. Finish screws to match adjacent hardware finish.
- E. Lever Handles: Provide lever handles at all doors required to be accessible to the handicapped.

### 2.4 FINISHES

- A. Finishes are identified in Schedule at end of this section.

## 3 PART 3 EXECUTION

### 3.1 EXAMINATION AND PREPARATION

- A. Verify that doors and frames are ready to receive work and dimensions are as instructed by the manufacturer.
- B. Verify that electric power is available to power operated devices and is of the correct characteristics.

### 3.2 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions.
- B. Install hardware at fire rated doors in accordance with NFPA 80.
- C. Use templates provided by hardware item manufacturer.
- D. Adjust hardware and door control devices to comply with ADA requirements.

...END OF SECTION