

SECTION 08 71 00

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. Closers, door operators, electric strikes, spring hinges.
- C. Thresholds, weatherstripping, seals, door gaskets, viewers and protection plates.

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. LCN.
- b. Norton.
- c. Rixson.
- d. Sargent.

3. Manufacturers of hinges:

- a. Hager.
- b. McKinney.
- c. Stanley.

4. Manufacturers of thresholds and weatherstripping.

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

5. Manufacturers of panic sets:

- a. Sargent.
- b. Von Duprin

6. Manufacturers of door trim and accessories:

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

### 2.2 ELECTRONIC ACCESS SYSTEM – Provided by Owner

A. Proximity Card Access System: Provide integrated proximity access control system for exterior building entrance doors and vehicle gate as indicated in door schedule. Provide products with non-volatile memory. Provide products offering credential of Keycodes and Proximity with a minimum of 1,000 users and provide audit trail for the last 1,000 events.

- B. Provide 500 proximity cards, proximity reader and interface with door operator and electric strike.
- C. Contractor to make provisions for card access system, including providing necessary power supplies and conduits, and to coordinate installation of system components with doors and hardware.

### 2.3 KEYING

- A. Door Locks: Master keyed with high security keying system. Include construction keying.
- B. Cores: Provide removable cores for all locks, with 25 extra cores for apartment entrance door locks.
- C. Key individual bedroom door locks within each apartment common to the apartment entrance door lock.
- D. Review keying system with Owner prior to ordering locks.
- E. Supply 3 change keys for each lock and 5 master keys for each master level, each tagged. Provide keys of nickel silver only.
- F. Provide 1 Key Cabinet: Sheet steel construction, enamelled finish, hinged door with key lock, internal hooks for 600 keys and identification labeling.

### 2.4 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 except bifold and sliding bypass.

### 2.5 FINISHES

- A. Finishes are identified in the Hardware 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. Coordinate with other trades on electrical devices.

### 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 for proper operation, and to comply with requirements of the ADA, and NFPA 80 for fire rated openings.

...END OF SECTION 08 71 00