

## SECTION 08 71 00 - DOOR HARDWARE

### PART 1 - 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:
  - 1. Mechanical door hardware for swinging door.
- B. Related Sections:
  - 1. Section 08 11 13 "Hollow Metal Doors and Frames"

#### 1.3 SUBMITTALS

- A. Product Data:
  - 1. For each type of product indicated. Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Warranty:
  - 1. Special warranty specified in this Section.

#### 1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data:
  - 1. For each type of door hardware to include in maintenance manuals. Include final hardware and keying schedule.

#### 1.5 QUALITY ASSURANCE

- A. Installer Qualifications:
  - 1. Supplier of products and an employer of workers trained and approved by product manufacturers.
- B. Source Limitations:
  - 1. Obtain each type of door hardware from a single manufacturer.
- C. Keying Conference:
  - 1. Conduct conference at Project site.

## 1.6 COORDINATION

- A. Installation Templates:
  - 1. 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:
  - 1. Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

## 1.7 WARRANTY

- A. Special Warranty:
  - 1. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
- B. Warranty Period:
  - 1. Three years from date of Substantial Completion, unless otherwise indicated.

## PART 2 - PRODUCTS

### 2.1 MECHANICAL LOCKS AND LATCHES

- A. Lock Trim:
  - 1. Operating Device: Lever with escutcheons (roses).
- B. Strikes:
  - 1. Provide manufacturer's standard strike for each lock bolt or latchbolt complying with requirements indicated for applicable lock or latch and with strike box and curved lip extended to protect frame; finished to match lock or latch.
  - 2. For each strike plate provide metal strike boxes compatible with frame material.

### 2.2 KEYING

- A. Keying System:
  - 1. Per Oregon Convention Center requirements.

### 2.3 THRESHOLDS

- 1. Thresholds: Custom fabricated see Section 08 11 13 "Hollow Metal Doors and Frames"

### 2.4 FINISHES

- A. Confirm finishes with Owner.

### PART 3 - EXECUTION

#### 3.1 PREPARATION

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

#### 3.2 INSTALLATION

A. General:

1. 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. Do not install surface-mounted items until finishes have been completed on substrates involved.

B. Mounting Heights:

1. Mount door hardware units at heights to comply with the following unless otherwise indicated or required to comply with governing regulations.
2. Standard Steel Doors and Frames: ANSI/SDI A250.8.

C. Hinges:

1. Install types and in quantities indicated in door hardware schedule but not fewer than the number recommended by manufacturer for application indicated or one hinge for every 30 inches of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.

D. Lock Cylinders:

1. Install construction cores to secure building and areas during construction period.
2. Replace construction cores with permanent cores as directed by Owner.
3. Furnish permanent cores to Owner for installation.

E. Stops:

1. Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they will impede traffic.

F. Perimeter Gasketing:

1. Apply to head and jamb, forming seal between door and frame.

G. Door Bottoms:

1. Apply to bottom of door, forming seal with threshold when door is closed.

#### 3.3 ADJUSTING

A. Initial Adjustment:

1. 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.

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

### 3.4 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.

### 3.5 DOOR HARDWARE SCHEDULE

HW: 01 ROOF ACCESS DOOR					
01					
DOOR TO HAVE:					
3	EA	HINGE	5BB1 4.5 x 4.5 NRP	630	IVE
1	EA	STOREROOM LOCK	ND82PD (NOTE 1)	626	SCH
1	EA	CYLINDER	BEST	626	BEST
1	EA	SURFACE CLOSER	4111	689	LCN
1	SET	SEALS	700ES (HEAD, SILL & JAMBS)	AL	NGP
1	EA	DOOR BOTTOM	220SA	AL	NGP
1	EA	DRIP GUARD	17 (DOOR BOTTOM)	AL	NGP
		THRESHOLD	DOOR FRAME		

- 1. LOCKED BOTH SIDES/OPEN WITH KEY (VERIFY FUNCTION WITH OWNER)

END OF SECTION 08 71 00