SECTION 08 71 00

DOOR HARDWARE

PART 1 – GENERAL

1.01 SECTION INCLUDES

A. Hardware for doors and frames.

B. Gasketting.

1.02 WORK FURNISHED BUT INSTALLED UNDER OTHER SECTIONS

A. Furnish templates to Section 08 11 13 for door and frame preparation.

1.03 RELATED SECTIONS

A. Section 08 11 13 – Hollow Metal Door and Frames

1.04 REFERENCES

A. ANSI A117.1 - Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.

B. AWI - Architectural Woodwork Institute.

C. BHMA - Builders' Hardware Manufacturers Association.

D. DHI - Door and Hardware Institute.

E. NAAMM - National Association of Architectural Metal Manufacturers.

F. NFPA 101 - Life Safety Code.

G. SDI - Steel Door Institute.

1.05 COORDINATION

A. Coordinate work of this Section with other directly affected Sections involving manufacturer of any internal reinforcement for door hardware.

1.06 QUALITY ASSURANCE

A. Manufacturers: Companies specializing in manufacturing door hardware with minimum three (3) years experience.

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B. Hardware Supplier and Installer: Company specializing in supplying and installing commercial or institutional door hardware with five (5) years documented experience and approved by manufacturer.

1.07 REGULATORY REQUIREMENTS

A. Conform to applicable code for requirements applicable to fire rated doors and frames. Comply with accessibility requirements as outlined in Chapter 11 2014 Oregon Structural Specialty Code.

B. Conform to the applicable Sections of NFPA 101.

1.08 SUBMITTALS

A. Submit schedule, shop drawings, and product data.

B. Indicate locations and mounting heights of each type of hardware.

C. Provide product data on specified hardware.

D. Submit manufacturer's parts lists, templates, and installation instructions.

1.09 OPERATION AND MAINTENANCE DATA

A. Submit Operation and Maintenance Data.

B. Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.

1.10 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site.

B. Store and protect products.

C. Package hardware items individually; label and identify package with door opening code to match hardware schedule.

D. Protect hardware from theft by cataloging and storing in secure area.

1.11 WARRANTY

A. Provide one (1) year warranty, minimum.

PART 2 – PRODUCTS

2.01 ACCEPTABLE SUPPLIERS

A. Bell Hardware, Mid-Valley Glass and Millwork

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B. Others as approved per the requirements of Section 01 25 00.

2.03 KEYING

A. Door Locks: OSU to install lock cores. Contractor shall coordinate installation with OSU. Provide interchangeable construction cylinders for security purposes during construction.

PART 3 – EXECUTION

3.01 INSPECTION

A. Verify that doors and frames are ready to receive work and dimensions are as instructed by the manufacturer.

B. Beginning of installation means acceptance of existing conditions.

3.02 INSTALLATION

A. Install hardware in accordance with manufacturer's instructions and requirements of SDI.

B. Use the templates provided by hardware item manufacturer.

C. Conform to 2014 OSSC, Chapter 11, for positioning requirements for the handicapped.

3.03 HARDWARE GROUPS

A. See door marks as indicated on the Drawings for reference to the following hardware groups.

Group 1 – Gilbert Hall, Covell Hall

Gilbert Hall # 121, 221,
Covell Hall #214B.

3 each	Butts	FBB168 4.5 x 4.5 NRP	652	ST
1 each	Lockset	9K3-7R15DS3	626	BEST
1 each	Electric Strike	6210	630	VD
1 each	Auto Operator	4631CS TBWMS	689	LCN
1 each	Actuator	59-HSS wall mount (Hall side)	630	MSS
1 each	IR Actuator	216	630	MSS
1 each	Restroom Control	CX-WC11	630	CAM
1 each	Button/Indicator	CM-AF550R "Push to Lock"	630	CAM
1 each	Kickplate	8400 10" x 2" LDW	630	I
1 each	Wallstop	WS407CCV	630	I
1 set	Gasket	S88D	DUR	P
1 each	Decal	MSS-2 Automatic Door	Yellow	MSS

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(Group 1- cont.)

Sequence of Operations:

1) Restroom user enters the restroom either manually by either pushing the door or pushbutton activator.

2) Cylindrical lock normally locked.

3) To lock the door, restroom user needs to push CM-AF550R switch. This action locks the door disabling the electric strike, and the automatic door operator actuator, and illuminates the "Occupied When Lit" and "Locked When Lit" signs.

4) Restroom user can exit the restroom by either pushing actuator, or by using lever handle. This action resets the automatic door operator. (The opening of the door separates the door contacts which resets the system.)

Group 2

Nash Hall # 208, 308.

3 each	Butts	FBB168 4.5 x 4.5 NRP	652	ST
1 each	Deadlock	Reuse existing	626	EX
1 each	Pushplate	Reuse existing	630	EX
1 each	Pullplate	Reuse existing	630	EX
1 each	Auto Operator	4631CS TBWMS	689	LCN
1 each	Actuators	59-HSS wall mount	630	MSS
1 each	Kickplate	8400 10" x 2" LDW	630	I
1 each	Wallstop	WS407CCV	630	I
1 set	Gasket	S88D	DUR	P
1 each	Decal	MSS-2 Automatic Door	Yellow	MSS
1 each	Actuators	216 Touchless	630	MSS

~~Sequence of Operations:~~

~~1) Restroom user enters the restroom either manually by either pushing the door or pushbutton activator.~~

~~2) Cylindrical lock normally locked.~~

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END OF SECTION

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