

## **DOOR HARDWARE**

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### **1. GENERAL**

#### **1.1 Work Included**

- .1 Hardware for hollow metal doors
- .2 Thresholds and weatherstripping

#### **1.2 Related Sections**

- .1 Section 08110 – Steel Doors and Frames

#### **1.3 References**

- .1 ULC - List of Equipment and Materials, Volume 2.

#### **1.4 Coordination**

- .1 Coordinate work of this Section with other directly affected Sections involving Manufacturer of and internal reinforcement for door hardware.
- .2 Supply templates to Manufacturers of components affected by hardware.

#### **1.5 Regulatory Requirements**

- .1 Conform to applicable code for requirements applicable to fire rated doors, frames and hardware.
- .2 Conform to ULC requirements for fire rated doors, frames and hardware.

#### **1.6 Shop Drawings**

- .1 Submit Shop Drawings to requirements of Section 01300 – Submittals.
- .2 Indicate on Shop Drawings, locations and mounting heights of each type of hardware.
- .3 Hardware list shall list each door individually and shall list hardware for each door as a described item, not by a code as is done in the Specification. Hardware list shall be in terminology understandable by a layman.
- .4 Supply templates to door and frame Manufacturer to enable accurate sizes, locations of cut outs, and reinforcement for hardware.
- .5 Provide product data on specified hardware as requested.
- .6 Submit one (1) copy of Manufacturers' catalogue cuts of each item, with hardware list.

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- .7 Put parts lists, Manufacturer's instructions, and catalogue cuts into maintenance manual as per Section 01300 - Submittals.

### **1.7 Delivery and Storage**

- .1 Store hardware in locked, dry area in individual packages or like groups.

## **2. PRODUCTS**

### **2.1 Materials**

- .1 As per schedule below.
- .2 Use Products from a single Manufacturer for all similar items.

### **2.2 Door Hardware**

- .1 Butts: Provide 1-<sup>1</sup>/<sub>2</sub> pair for all doors, except doors over 900 mm wide or over 2,200 mm high are to have two (2) pairs.
- .2 Protective plates: supply to both sides of door unless otherwise specified.

### **2.3 Fasteners**

- .1 Supply all fastening devices for installation and operation of hardware.
- .2 All exposed fasteners to be finished to match hardware.
- .3 Use fasteners compatible with material through which they pass.

### **2.4 Keying**

- .1 Door locks: Use construction cylinders, (by contractor), to allow for a grand master key system to match existing system by Medeco to be installed at a later date. Upon completion of the works and on handover to the City, have the lock cylinder on the Surge Tower Building changed by N.H. Brown Locksmith Ltd., - 164 Fort Street, Winnipeg, MB. R3C 1C9, Telephone 942-4747. The City of Winnipeg has a key system hierarchy that is provided exclusively by "Medeco" Lock which is supplied by N.H. Brown's Locksmith Ltd.
- .2 Supply three (3) keys for each lock. Supply three (3) master keys for each group, and three (3) grand master keys.

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### 3. EXECUTION

#### 3.1 Inspection

- .1 Verify that door and frame components are ready to receive work and dimensions are as required.
- .2 Beginning of installation means acceptance of existing conditions.

#### 3.2 Installation

- .1 Install hardware in accordance with Manufacturer's instructions.
- .2 Install locksets as specified with construction cylinder for later installation of Medeco cylinder keying system by owner.
- .3 Use the templates provided by hardware item Manufacturer.
- .4 Maintain the following mounting heights for doors, from finished floor to centre line of hardware item:
  - .1 Locksets: 1020 mm
  - .2 Dead locks: 1525 mm
  - .3 Exit devices: 1020 mm

#### 3.3 Schedule

- .1 DR101 and DR102
  - .1 3 Butt Hinges TA 314 115x110mm NRP McKinney 26D
  - .2 1 Lockset AU5407 x ASA Yale (w/ Const Cylinder) 26D
  - .3 1 Closer 4040 LCN 689
  - .4 1 Weatherstrip W29 1/3 + 2/7 KN Crowder CA
  - .5 1 Door Sweep W245 – 900mm KN Crowder CA
  - .6 1 Threshold CT11 – 1800 KN Crowder CA
  - .7 1 Kickplate K10C Standard Metal 26D

**END OF SECTION**