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**Washroom Buildings Recapitalization  
Buildings 32, 34 & 38  
Newman Sound Campground  
Terra Nova National Park, NL  
Proj. No.: R.079272.001**

Issued April 4, 2016

Section 08 71 10 – Door Hardware - General

Page 1 of 5

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**PART 1 - GENERAL**

**1.1 Related Work**

- .1 Section 08 11 14 - Steel Doors & Frames.

**1.2 Reference Standards**

- .1 Standard hardware location dimensions in accordance with Canadian Metric Guide for Steel Doors and Frames prepared by Canadian Steel Door and Frame Manufacturers' Association, ANSI/NFPA 80 and ANSI/BHMA.
- .2 ANSI/BHMA A156.1-2006, Butts and Hinges.
- .3 ANSI/BHMA A156.3-2001, Exit Devices.
- .4 ANSI/BHMA A156.4-2000, Door Controls (Closers).
- .5 ANSI/BHMA A156.5-2001, Auxiliary Locks and Associated Products.
- .6 ANSI/BHMA A156.6-2005, Architectural Door Trim.
- .7 ANSI/BHMA A156.7-2009, Template Hinge Dimensions.
- .8 ANSI/BHMA A156.8-2005, Door Controls - Overhead Holders.
- .9 ANSI/BHMA A156.13-2005, Mortise Locks and Latches.
- .10 ANSI/BHMA A156.16-2002, Auxiliary Hardware.
- .11 ANSI/BHMA A156.18-2006, Materials and Finishes.
- .12 ANSI/BHMA A156.21-2009, Thresholds.

**1.3 Requirements Regulatory Agencies**

- .1 Hardware for doors in fire separations and exit doors certified by a Canadian Certification Organization accredited by Standards Council of Canada.

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Section 08 71 10 – Door Hardware - General

Page 2 of 5

---

#### **1.4 Hardware List**

- .1 Submit contract hardware list in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Indicate specified hardware, including make, model, material, function, size, finish and other pertinent information.
- .3 Include with hardware list, product data cuts for all hardware specified noting manufacturer, and model number.

#### **1.5 Maintenance Data**

- .1 Provide operation and maintenance data for door closers, locksets, door holders and fire exit hardware for incorporation into manual specified in Section 01 78 00 -Closeout Submittals.
- .2 Brief maintenance staff regarding proper care, cleaning, and general maintenance.

#### **1.6 Maintenance Materials**

- .1 Provide maintenance material and spare parts and tools in accordance with Section 01 78 00 - Closeout Submittals.
- .2 Supply two sets of wrenches for door closers, locksets and fire exit hardware.

#### **1.7 Delivery and Storage**

- .1 Store finishing hardware in locked, clean and dry area.
- .2 Package each item of hardware including fastenings, separately or in like groups of hardware, label each package as to item definition and location.

### **PART 2 - PRODUCTS**

#### **2.1 Hardware Items**

- .1 Use one manufacturer's products only for all similar items.

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Section 08 71 10 – Door Hardware - General

Page 3 of 5

---

- .2 Hardware to CAN/CGSB/ANSI/BHMA standards listed, or where none exists material to be qualified for similar use.

## 2.2 Door Hardware

- .1 Mortise Locksets:
  - .1 Noted in Hardware Schedule as Function only (use the following lever or knob, with related function per schedule):
    - .1 Heavy duty mortise locksets to ANSI A156.13, series 1000, security grade 1.
    - .2 Functions as follows:
      - .1 ANSI F07 - Storeroom or Service Function.
  - .2 All locksets above to be lever function as noted in hardware schedule, and finished in Satin chrome.
  - .3 Round rose, satin chrome.
  - .4 ANSI Standard Strikes with ANSI box.
  - .5 Trim Design:
    - .1 Lever design: solid handle, round bar contoured in a "C" shape with angle return, similar in design and style as the Sargent "J" Level, Schlage "93" or Corbin "Lustra".
  - .6 Cylinders and keying: Cylinders from same manufacturer as lockset, 6 pin mortised unit, keyed into existing building system.
  - .7 Finished to ANSI 626.
  - .8 UL/ULC listed for use on fire rated doors as per Door and Frame Schedule.
  - .9 Acceptable product: Sargent 8200, Schlage L9000, Corbin-Russwin ML2000.
    - .1 Alternative Materials: Approved by addendum in accordance with approval of Alternate Materials clause in the Special Instructions to Tender's Form.
- .2 Butts and hinges to ANSI/BHMA A 156.1. 3 Butts per door panel up to 1000mm in width, 4 Butts per door over 1001mm in width:
  - .1 Steel base polished and plated, full mortise, templated, 5 knuckle, 2 permanently lubricated ball bearings, 114 x 102 x 3.4mm, finished to ANSI 626.
    - .1 Acceptable product: Stanley FBB 179, Hager BB1279 or McKinney TA2714.
    - .1 Alternative Materials: Approved by addendum in accordance with approval of Alternate Materials clause in the Special Instructions to Tender's Form.
- .3 Door Closers:
  - .1 Door controls (closers): to ANSI/BHMA A156.4, Grade 1, standard duty, non handed, parallel arm, aluminum body with high impact acrylic cover, adjustable through ranges 1 to 4, adjustable backcheck and delayed action, finished to ANSI 689.
  - .2 Acceptable product: Sargent 1431-O, LCN 1460T.
  - .3 Alternative Materials: Approved by addendum in accordance with approval of Alternate Materials clause in the Special Instructions to Tender's Form.
- .4 Auxiliary Trim & Devices:
- .5 Door Stops:

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Section 08 71 10 – Door Hardware - General

Page 4 of 5

---

- .1 Wall stop to ANSI/BHMA A156.8, solid cast brass or bronze, circular shape, rubber insert, concealed mounting, 45 mm diameter, finished to ANSI 626.
- .2 Acceptable product: Hager 241F/243F, Standard Metal Hardware Manufacturing S101/S103.
- .3 Alternative Materials: Approved by addendum in accordance with approval of Alternate Materials clause in the Special Instructions to Tender's Form.

### **2.3 Fastenings**

- .1 Supply screws, bolts, expansion shields and other fastening devices required for satisfactory installation and operation of hardware.
- .2 Exposed fastening devices to match finish of hardware.
- .3 Use fasteners compatible with material through which they pass.

### **2.4 Keying**

- .1 All keying shall be in masterkey format, keyed into Owner supplied schedule.
- .2 Provide three keys per cylinder.

## **PART 3 - EXECUTION**

### **3.1 Installation Instructions**

- .1 Furnish metal door and frame manufacturers with complete instructions and templates for preparation of their work to receive hardware.
- .2 Furnish manufacturers' instructions for proper installation of each hardware component.
- .3 Install hardware to standard hardware location dimensions in accordance with Canadian Metric Guide for Steel Doors and Frames (Modular Construction) prepared by Canadian Steel Door and Frame Manufacturers' Association.

### **3.2 Schedule**

- .1 Service doors to be equipped with the following hardware:

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**Section 08 71 10 – Door Hardware - General**

**Page 5 of 5**

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3 Hinges: FBB 179  
1 Lockset: Function F07  
1 Door Closer: 1430  
1 Door Stop: 241F/243F