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

Issued April 4, 2016

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