

PART 1 GENERAL

- 1.1 Related Sections
 - .1 Door Hardware Section 08 71 00
 - .2 Steel Doors and Frames Section 08 12 13
- 1.2 References
 - .1 Standard hardware location dimensions in accordance with Canadian Metric Guide for Steel Doors and Frames (Modular Construction) prepared by Canadian Steel Door and Frame Manufacturer's Association.
 - .2 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-69.17-M86, Bored and Pre-assembled Locks and Latches.
 - .2 CAN/CGSB-69.18-M90 / ANSI/BHMA A156.1-1981 Butts and Hinges.
 - .3 CAN/CGSB-69.19-93 / ANSI/BHMA A156.3-1984, Exit Devices.
 - .4 CAN/CGSB-69.20-M90 / ANSI/BHMA A156.4-1986, Door Controls (Closers).
 - .5 CAN/CGSB-69.21-M90 / ANSI/BHMA A156.5-1984, Auxiliary Locks and Associated Products.
 - .6 CAN/CGSB-69.24-M90 / ANSI/BHMA A156.8-1982, Door Controls- Overhead Holders.
 - .7 CAN/CGSB-69.26-96 / ANSI/BHMA A156.10-1985, Power Operated Pedestrian Doors.
 - .8 CAN/CGSB-69.29-93 / ANSI/BHMA A156.13-1980, Mortise Locks and Latches.
 - .9 CAN/CGSB-69.30-93 / ANSI/BHMA A156.14-1985, Sliding and Folding Door Hardware.
 - .10 CAN/CGSB-69.31-M89 / ANSI/BHMA A156.15-1981, Closer/Holder Release Device.
 - .11 CAN/CGSB-69.32-M90 / ANSI/BHMA A156.16-1981, Auxiliary Hardware.
 - .12 CAN/CGSB-69.33-M90 / ANSI/BHMA A156.17-1987, Self-Closing Hinges and Pivots.
 - .13 CAN/CGSB-69.34-93 / ANSI/BHMA A156.18-1984, Materials and Finishes.
 - .14 CAN/CGSB-69.35-M89 / ANSI/BHMA A156.19-1984, Power Assist and Low Energy Power Operated Doors.
 - .15 CAN/CGSB-69.36-M90 / ANSI/BHMA A156.20-1984,
- 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.
- 1.4 Hardware List
 - .1 Indicate specified hardware, including make, model, material, function, size, finish and other pertinent information.

- 1.5 Closeout Submittals
 - .1 Instruct maintenance staff regarding proper care, cleaning and general maintenance on door hardware.
- 1.6 Extra Materials
 - .1 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 Only door locksets and latch sets listed on CGSB Qualified Products List are acceptable for use on this project.
 - .2 Use One Manufacturer's Products for All Similar Items.
- 2.2 Door Hardware
 - .1 Locks and Latches:
 - .1 Bored and pre-assembled locks and latches to: CAN/CGSB-69.17, as stated in Hardware Schedule.
 - .2 Lever handles: plain design.
 - .3 Normal strikes: box type, lip projection not beyond jamb.
 - .4 Cylinders: key into keying system as instructed by the Contract Administrator.
 - .5 Finished: as specified in Hardware Schedule.
 - .2 Butts and Hinges:
 - .1 Butts and hinges to: CAN/CGSB-69.20, designated by letter A and numeral identifiers, followed by size and finish, listed in Hardware Schedule.
 - .3 Exit Devices to: CAN/CGSB-69.19, type modern design.
 - .4 Door Closers and Accessories
 - .1 Door controls (closers): to CAN/CGSB-69.20.
 - .5 Door Operators:
 - .1 Power-operated pedestrian doors to CAN/CGSB-69.26.
 - .2 Power assist and low energy power operated doors to: CAN/CGSB-69.35.
 - .6 Smoke Seal:
 - .1 Neoprene bulb, fire resistant, adhesive backed, set in doorframe rabbet.
- 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 Where pull is scheduled on one side of door and push plate on other side, supply fastening devices, and install so pull can be secured through door from reverse side. Install push plate to cover fasteners.
- .4 Use fasteners compatible with material through which they pass.

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 manufacturer's 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 Manufacturer's Association.
- .4 Where Doorstop Contacts Door Pulls, Mount Stop To Strike Bottom Of Pull.

3.2 Mounting Heights

- .1 Maintain the following mounting heights above finished floor for door from finished floor to centre line of hardware item:
 - .1 Locksets 900
 - .2 Push/Pulls 1050
 - .3 Deadlocks 1070
 - .4 Panic Devices 900
 - .5 Auto Openers 900

3.3 Set-Up Keying System

- .1 Turn over keys to Contract Administrator.