

1 General

1.1 REFERENCES

- .1 American National Standards Institute (ANSI)
 - .1 ANSI/NFPA 10-2007, Portable Fire Extinguishers.
- .2 Underwriters' Laboratories of Canada (ULC)
 - .1 CAN/ULC-S508-M90(R1995), Rating and Fire Testing of Fire Extinguishers and Class "D" Extinguishing Media.

1.2 SHOP DRAWINGS AND PRODUCT DATA

- .1 Submit shop drawings and product data in accordance with Submittal Procedures.

1.3 CLOSEOUT SUBMITTALS

- .1 Provide maintenance data for incorporation into manual specified in Closeout Submittals.

2 Products

2.1 MULTI-PURPOSE DRY CHEMICAL EXTINGUISHERS

- .1 Cartridge operated type with hose and shut-off nozzle, ULC labeled for A, B and C class protection. Sizes 4.5 kg or as indicated.
- .2 CO2 clean agent type fire extinguisher with hose and shut-off nozzle, ULC labeled for B and C class protection. Sizes 4.5 kg or as indicated.

2.2 EXTINGUISHER BRACKETS

- .1 Type recommended by extinguisher manufacturer.

2.3 FIRE HOSE CABINETS (RECESSED)

- .1 Existing to remain.

2.4 CABINETS

- .1 Refer to schedule on drawings.

2.5 IDENTIFICATION

- .1 Identify extinguishers in accordance with recommendations of ANSI/NFPA 10.
- .2 Attach tag or label to extinguishers, indicating month and year of installation.
Provide space for service dates.
- .3 Provide dyna-label numbering for Fire Extinguishers. Obtain labeling convention from OWNER.

3 Execution

3.1 INSTALLATION

- .1 Install or mount extinguishers in cabinets or on brackets as indicated.
- .2 Replace existing fire hose cabinets with new hose valve connections. Extend piping within crawlspace and core through floor.

End of Section

Part 1 General

1.1 REFERENCES

- .1 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-44.40-92, Steel Clothing Locker.
- .2 Environmental Choice Program (EPC)
 - .1 ECP-44-92, Adhesives.
 - .2 ECP-45-92, Sealants and Caulking Compounds.
 - .3 ECP-76-98, Surface Coatings.

1.2 PRODUCT DATA

- .1 Submit product data sheets and specifications for lockers in accordance with requirements of Contract Documents.

1.3 SUBSTITUTIONS

- .1 Substitutions: refer to Section 01001 for requirements. Submit requests for substitutions in accordance with requirements of Contract Documents.

1.4 SAMPLES

- .1 Submit samples in accordance with requirements of Contract Documents.
- .2 Submit duplicate 50 x 50 mm samples of colour and finish on actual base metal.

1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 Collect and separate waste for reuse, recycling, and other waste diversion strategies in accordance with Waste Management Plan.

Part 2 Products

2.1 MANUFACTURED UNITS

- .1 Lockers: to CAN/CGSB-44.40, Type 2 - Double tier lockers
 - .1 Size: 305 mm wide x 381 mm deep x 1830 mm overall height (12 w x 15 d x 72 h), double tier assembly.

2.2 MATERIALS

- .1 All locker parts to be made of mild cold rolled sheet steel free from surface imperfections and contaminants.

- .2 Assembly fasteners to be zinc plated flat head screws with hex nuts.

2.3 DOORS

- .1 Doors to be of a double-pan design consisting of a 1.0 mm thick (16 gauge) outer panel welded to a 0.70 mm thick (24 gauge) inner panel to form a rigid box construction.
- .2 The outer panel to be double flanged on all four edges and the inner panel single flanged on all four edges. Both panels to be welded together.
- .3 A structural and sound deadening 25 mm (1") cell honeycomb core is bonded to the inner surfaces.
- .4 The door to be flush with the frame and include a recessed handle and recessed number plate, both of which eliminate protruding parts.
- .5 Doors hinged on the right and swing from left to right.

2.4 DOOR FRAMES

- .1 Both vertical members to be not less than 1.6 mm thick (16 gauge) and formed into a rigid channel 16 mm (5/8") wide exposed frame and 60 mm (2 7/16") side depth.
- .2 The frame to be completed by 76 mm (3") high top and bottom cross members of not less than 1.3 mm thick (18 gauge) formed as an open box channel and welded to the verticals.
- .3 The bottom frames' full-width lintel to extend back and down to form a rigid box to support the bottom shelf.
- .4 Both vertical frame members to be formed to offer a full-length 10 mm (7/16") wide continuous door strike.
- .5 No fasteners to be exposed on fronts of locker doors and frames.

2.5 BODY

- .1 Sides and backs to be no less than 0.70 mm thick (24 gauge) and to not contain extra unnecessary holes unless otherwise specifically used for the assembly of the lockers and accessories on the project.
- .2 Edges to be formed to provide a strong and rigid assembly when bolted or riveted together.
- .3 Locker backs to be flanged at right angles providing a triple thickness of metal at the back corner connections.

- .4 Shelves, tops and bottoms to be interchangeable; not less than 0.85 mm thick (22 gauge), and formed into a sturdy pan with a lip formed front edge for additional strength and safety.
- .5 Prefinished metal filler panels as required at corners at locker transitions or wall locations.
- .6 100mm high prefinished metal base / curb as supplied by locker manufacturer.

2.6 LATCHING/LOCKING DEVICE - SINGLE POINT

- .1 A 3.0 mm thick (11 gauge) 70 mm (2" x 3/4") padlock hasp to be securely welded to continuous strike midway up on the frame and centered at the handle location.
- .2 The hasp to be formed to protrude through an extruded aluminum recessed handle, which is cliplocked and bonded to the door. The handle's inner surface to be concave and grooved for fingertip door control.
- .3 To keep the door closed when not in use, a 13 mm (1/2") O.D. nylon friction catch to be installed on the door to engage the frame in four (4) locations.
- .4 The lock bolt to secure itself behind the strike. Access to the secured bolt to be denied by the full length stop on the door frame and by the top lip of the strike projecting forward and fitting into a slot in the door, preventing the door and frame from being pulled apart.

2.7 HINGE-CONTINUOUS

- .1 A full-length 1.3 mm thick (18 gauge) continuous piano hinge to be securely welded to the frame and fastened to the door with screws or rivets.

2.8 VENTILATION

- .1 Airflow to be achieved through 4 sets of 5 unobstructed louvers 19 mm wide x 6 mm high (3/4" x 1/4") in the vertical frame members. Also, 18 each 5 mm (3/16") diameter perforations at outside perimeter of each top, shelf, and bottom to be included for additional ventilation throughout the inside of each locker.

2.9 NUMBER PLATE

- .1 Each door to have a high strength black laminated plastic number plate, 64 mm wide x 30 mm high (2 1/2" x 1 1/8"), with white numbers not less than 11 mm (7/16") high.
- .2 Plates to accommodate up to four digits, be nestled in a recess flush with door surface and to be fastened to door with two rivets. Unless otherwise specified, lockers to be numbered consecutively from 1 - up.

2.10 INTERIOR EQUIPMENT

- .1 Install one hat shelf and three single prong coat hooks.
- .2 All hooks to be chrome plated steel with ball point heads and attached to shelves with two fasteners.

2.11 FINISH

- .1 All steel parts and aluminum pedestals to be thoroughly machine cleaned, phosphatised, and finished with a high performance epoxy powder coating, baked on to provide a uniform, smooth, protective finish.
- .2 Colours to be selected from manufacturer's full range of colours, including textured colours. Two-tone door and frame colour combinations may be selected by Departmental Representative.
- .3 Locker frame colour to be selected from standard manufacturer's standard decorator colours.
- .4 All interior body parts are finished in standard light grey.

Part 3 Execution

3.1 INSTALLATION

- .1 Assemble and install lockers in accordance with manufacturer's written instructions.
- .2 Install finished end panels to exposed ends of locker banks.
- .3 Install locker numbers.

3.2 SCHEDULE

- .1 Requirements:
 - .1 Supply and install the following, as per drawings:
 - .1 12 double-tier lockers in Room 118,02:
 - .1 Confirm final locations with Owner prior to installation.

END OF SECTION