

**PART 1 GENERAL**

1.1 REFERENCE

- .1 Comply with the General Conditions of the Contract, Supplementary General Conditions and the requirements of Division 1.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- .1 Rough Carpentry - Installation Section 06100
- .2 Finished Carpentry - Installation Section 06200
- .3 Masonry Section 04200

1.3 SCOPE OF WORK INCLUDED

- .1 Supply Single Unit Lockers with specified accessories. Installation of lockers by Sections 06100 and 06200 as the millwork is being constructed.

1.4 SUBMITTALS

- .1 Provide shop drawings and operation and maintenance manuals c/w 10 year written warranty for product.

1.5 PROTECTION / DELIVERY

- 1. Protect locker surfaces from damage during the course of installation / other subtrades.

**PART 2 PRODUCTS**

2.1 Type A Locker :

MATERIALS

- .1 Emperial Lockers  
Hadrian Manufacturing Inc. Tel 1-905-333-0300

Other Manufacturers as approved by Architect

Insure dimensions abide by the specified dimensions as listed below.

**NOTE General Contractor to provide 3/4" vertical plywood panel 4" high base with 3/4" plywood top. The face of the metal locker base will be supplied and installed with black rubber base adhered to the plywood base.**

.2 Locker :

Model Dimensions : 24" depth (610mm) 18" width (450mm)  
72" height, complete with number plates,  
finish door frame and door from standard finish colour

**Black finish throughout all dormitory areas**

Locking method - owned padlock  
22 gauge sides and backs  
Frame 16 gauge  
Door 20 gauge welded to inner 24 gauge panel  
Box base and continuous sloping top - black  
Finished black on all exposed end panels  
Intermediate bases as recommend by the manufacturer  
Hat shelf with coat hook assembly in each locker

.3 MATERIALS

All locker parts shall be made of mild cold rolled sheet steel free from surface imperfections and contaminants which would be detrimental to the acceptance of a high grade hybrid epoxy polyester powder finish. At a slight extra cost, locker parts may be made from galvaneal steel. Assembly fasteners shall be zinc plated flat head screws with hex nuts. Rivets (Advel #1661-0613) 3/16" aluminum dome head 8-25 dome with steel shaft are also available upon request.

.4 DOORS

Doors shall be a double-pan design consisting of a 16 gauge outer panel welded to a 24 gauge inner panel to form a rigid box construction that resists prying. The outer panel to be double flanged on all four edges and the inner panel to be single flanged on all four edges, providing extraordinary rigidity when both panels are welded together. A structural and sound deadening 1" cell honeycomb core is bonded to the inner surfaces. The door shall be flush with the frame and include a recessed handle and recessed number plate, both of which eliminate protruding parts. As an upcharged option, doors may be constructed with a 16 gauge outer panel.

.5 DOOR FRAMES

Both vertical members shall be not less than 16 gauge and formed into a rigid channel 5/8" wide exposed frame and 2 7/16" side depth. Exclusive frame size offer wide door opening and ease of installing extra deep frame onto body, especially when rivets are used for assembly. The frame shall be completed by 3" high top and bottom cross members of not less than 18 gauge formed as an open box channel and welded to the verticals. the bottom frames' full-width lintel extends back and down to form a rigid box to support the bottom shelf. Both vertical frame members shall be formed to offer a full

length 7/16" wide continuous door strike. The latch vertical member shall include a welded 11 gauge padlock hasp together with a 7/16" O.D. air-cushioned rubber bumper. No fasteners shall be exposed on the fronts of locker doors and frames.

.6 BODY

Sides and backs shall be no less than 24 gauge and should not contain extra unnecessary holes unless otherwise specifically used for the assembly of the lockers and accessories on the project. Edges shall be formed to provide a strong and rigid assembly when bolted or rivetted together. The locker backs are flanged at right angles providing triple thickness of metal at the back corner connections. Shelves, tops and bottoms shall be interchangeable, not less than 16 gauge formed into a sturdy pan with a lip at the front edge for additional strength and safety.

.7 LATCHING/LOCKING DEVICE-SINGLE POINT

Trouble-free use is achieved with no sliding rods, springs, turn handles or moving latches. An 11 gauge 2" x 3/4" padlock hasp shall be securely welded to the continuous strike midway up on the frame and centred at the handle location. The hasp shall be formed to protrude through an extruded aluminum recessed handle which is cliplocked and bonded to the door. The handle's inner surface shall be concave and grooved for finger-tip door control. To keep the door closed when not in use, a 1/2" o.d. nylon friction door catch shall be installed on the door to engage the frame in four (4) locations. Padlock is standard. For built-in locks (combination, key or coin/card operated) the hasp shall be replaced with a special 11 gauge security strike welded to the frame's continuous door strike. The lock bolt shall secure itself behind the strike. Access to the secured bolt shall 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 pried apart. Positive latch option-spring loaded single-point positive latch is an option for lockers that are subjected to an "over-stuffing" or "non-lock" end user environment.

.8 HINGE-CONTINUOUS

A full length 18 gauge continuous piano hinge shall be securely welded to the frame and fastened to the door with screws or rivets. Hinge shall maximize security and enhance resistance to abuse and vandalism.

.9 VENTILATION

Air-flow is achieved by 4 sets of 5 unobstructed louvers 3/4"wide x 1/4"high in the vertical frame members. Also, 18 each 3/16" diameter perforations at outside perimeter of each top, shelf and bottom offer additional ventilation throughout the inside of each locker.

.10 NUMBER PLATE

Each door shall have a high strength black laminated plastic number plate, 2 1/2" wide x 1 1/8" high with white numbers not less than 7/17" high. Plates shall accommodate upto four digits, be nestled in a recess flush with the door surface and shall be fastened to door with two rivets. Unless otherwise specified, lockers will be numbered consecutively from 1 - up.

.11 INTERIOR EQUIPMENT

Standard equipment in the single-tier locker shall be one hat shelf. Double-prong hooks and 1" O.D. coat rods with stainless steel brackets All hooks are chrome plated steel with ball point heads and attached to shelves with two fasteners.

The following Interior Equipment will be required for each new Type B Locker:

1. Five (5) coat hooks, coat rod for hanger storage and a belt hook.
2. Additional shelf to be installed 16" above the bottom shelf.

.12 FINISH

All steel parts and aluminum pedestals shall be thoroughly machine cleaned, phosphatised, and finished with a high performance epoxy powder coating, baked on to provide a uniform, smooth, protective finish. Colors shall be selected from standard decorator colors, including textured colors. Textured finish will increase scratch and graffiti resistance. Locker frames to be standard as black unless otherwise specified, although the other standard colors are available without price increase. All interior body parts are finished in standard light grey #535. Special colors, including special powder-coating textures are provided and priced on request.

**PART 3      EXECUTION**

3.1            INSTALLATION

.1            Install under Section 06100.

.2            a) Although assembly by bolting is acceptable, manufacturer recommends assembly by rivetting. Rivets provide solid permanent fastening but allow for fastener removal by drilling where future rearrangements of lockers or replacement of damaged parts may be required.

b) Install lockers and bench/pedestals in strict accordance with the manufacturer's assembly instructions to achieve a plumb, level and rigid installation.

c) Safely and securely anchor all lockers properly to walls and/or floors as required. Use fasteners appropriate to load and the substrate.

d) Install locks (if applicable) and attach number plates in sequence after all lockers have been installed.

.3            ADJUSTMENTS

Upon completion of installation, inspect lockers and adjust as necessary for proper door closing. Touch up scratches and abrasions to match original finish.

END OF SECTION