

# hadrian

## EMPEROR LOCKER SPECIFICATIONS SECTION 10 51 13

### PART 1 GENERAL

#### **1.01 QUALIFICATIONS**

Qualifications of alternative lockers will be evaluated only if they are submitted with supporting documents to show that they are equal to or better than these specification standards.

#### **1.02 “KNOCKED DOWN” CONSTRUCTION**

Each locker built shall have a door mounted in a frame. Individual top, bottom, side, back, shelves, with a common side separating compartments.

#### **1.03 CHEMICAL SAFETY**

All materials are completely asbestos free. The paint used shall be a powder coating completely free of all lead and chromate.

#### **1.04 WARRANTY**

Hadrian “EMPEROR” lockers are warranted for a period of two years against defective parts and workmanship, excluding vandalism and improper installation.

### PART II PRODUCTS

#### **2.01 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 galvanized 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.

#### **2.02 DOORS**

Doors shall be of a double-pan design consisting of a 20 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 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 up charge option, doors may be constructed with a 16 gauge outer panel. Doors are hinged on the right and swing from left to right.

### **2.03**

#### **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. Hadrian's exclusive frame size offers 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 fronts of locker doors and frames.

### **2.04**

#### **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 riveted together. Locker backs are flanged at right angles providing a triple thickness of metal at the back corner connections. Shelves, tops and bottoms shall be interchangeable; not less than 22 gauge and formed into a sturdy pan with a lip formed front edge for additional strength and safety.

### **2.05**

#### **LATCHING/LOCKING DEVICE – SINGLE POINT**

Trouble-free use is achieved with no sliding rods, springs, turnhandles 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 centered 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 fingertip door control. To keep the door closed when not in use, a 1/2" O.D. nylon friction 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 pulled apart.

*Positive Latch Option* – spring loaded single point positive latch is an option for lockers that are subject to an "over-stuffing" or "non-lock" end user environment.

### **2.06**

#### **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.

**2.07****VENTILATION**

Airflow is achieved through 4 sets of 5 unobstructed louvers ¾" wide x ¼" high in the vertical frame members. Provide 18 each 3/16" diameter perforations at outside perimeter of each top, shelf, and bottom to offer additional ventilation throughout the inside of each locker.

**2.08****NUMBER PLATE**

Each door shall have a high strength black laminated plastic number plate, 2 ½" wide x 1 1/8" high with white numbers not less than 7/16" high. Plates shall accommodate up to four digits, be nestled in a recess flush with door surface and shall be fastened to door with two rivets. Unless otherwise specified, lockers will be numbered consecutively from 1 – up.

**2.09****INTERIOR EQUIPMENT**

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

**2.10****BENCH/PEDESTAL**

Benches are available in 3', 4', 5', 6', 7', 8', 10', and 12' lengths. Bench shall be solid hardwood, urethane coated (1 ¼" x 9 ½" x length) with all corners rounded and sanded. Optional "laminated" hardwood benches may be considered by owner. Pedestals shall be ¼" x 3" aluminum bar, 12 ½" at widest point. Pedestals shall be supplied with floor anchors, or rubber leveling glides, to be stationary or moveable (non-stationary). Benches up to 8' long shall have two pedestals, 8' and up shall have three pedestals. Overall height of bench assembly is 16 ½".

**2.11****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 Hadrian's standard decorator colors, including textured colors. Textured finish will increase scratch and graffiti resistance. Two-tone door and frame color combinations shall be available at no additional charge. Locker frames to be standard as Black #510, 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 III EXECUTION****3.01****INSTALLATION**

a) Although assembly by bolting is acceptable, Hadrian recommends assembly by riveting. Rivets provide solid permanent fastening but allow for faster removal by drilling where future rearrangement of lockers or replacement of damaged parts may be required.

- b) Install lockers and bench/pedestals in strict accordance with the Hadrian 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.

### **3.02**

#### **ADJUSTMENT**

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

Hadrian Manufacturing, Inc. reserves the right to improve or modify its material and specifications at any time in such a manner as it may consider necessary or advisable and to discontinue the manufacture and sales of any products, without notice.

**Hadrian Mfg Inc:** 965 Syscon Road, Burlington, ON L7L 5S3 T: 905-333-0300 F: 905-333-1841

**Hadrian Inc:** 7420 Clover Avenue, Mentor, Ohio 44060 T: 440-9942-9118 F: 440-942-9618

**Hadrian UK:** Relcross Ltd Hambleton Avenue Devizes Wiltshire EN10 2RT

**T: 01380 729600 F: 01380 729 888**

**[www.hadrian-cubicles.co.uk](http://www.hadrian-cubicles.co.uk)**

