



## **REPLACEMENT FRONT LOCKER SPECIFICATIONS**

### **SECTION 10 51 16**

#### **PART 1 GENERAL**

##### **1.01 STANDARDS**

These specifications set the required standards. Exceptions will be evaluated only if they are listed with supporting evidence to show that they are equal to these specification standards.

##### **1.02 CHEMICAL SAFETY**

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

##### **1.03 WARRANTY**

Hadrian lockers and "Replacement Fronts" carry a two year limited warranty against defective parts and workmanship.

#### **PART 11 PRODUCTS**

##### **2.01 MATERIALS**

All parts shall be made of mild cold rolled sheet steel free from surface imperfections and capable of taking a high-grade polyurethane powder finish. As an upcharge option, parts may be made from galvanized steel.

##### **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 outside pan to be double flanged on all four edges with single flanging on all edges for the inner panel giving extraordinary rigidity when both units 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 upcharge 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 steel formed into a rigid channel 5/8" wide with 1 " side depth and 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 to provide a strong full length continuous door strike 7/16" wide. One to two rubber bumpers per door must be attached to continuous strike and act as cushion door-stops.

Unobstructed ventilation is through 8 sets (4 on each vertical member) of 5 each chevron-styled louvers ¾" wide x ¼" high, located at the face of the vertical frame members. The bottom louver in each set is slightly enlarged and rounded to easily accommodate entry of a self-tapping fastener. 16 gauge metal plates "w x 2"H are welded behind the enlarged louver within the frame channel flush with its back surface to provide a solid joining point of contact. After the old, existing door has been removed, the Hadrian "Replacement Front" frame is securely fastened to the outside front of the existing frame with 8 (4 on each vertical member) #8-18 x ½" self-drilling zinc-plated Quadrex head screws. This fastener is applied with a single operation standard power driver and creates its own hole through the new frame plate and through the existing frame front.

#### **2.04**

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

Trouble-free use is achieved with no sliding rods, springs, turnhandles or moving latches. An 11-gauge 2" x ¾" padlock hasp shall be securely welded to the continuous strike midway up on the frame. The hasp is formed to protrude through an extruded aluminum recessed handle, which is clip-locked and bonded to the door. The handle's inner surface is concave and grooved for finger-tip door control. To keep the door closed when not in use, a ½" O.D. nylon friction catch shall be installed on the door to engage frame in up to four locations. Padlock locking 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 stop. The lock bolt secures itself behind the bottom lip of the strike. Access to the secured bolt shall be denied by: a) the full length stop on the door frame and, b) 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.

#### **2.05**

#### **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 being no more than 152mm (6") apart. Hinge must evenly distribute the weight of the door along the frame, maximizing security and enhance resistance to abuse and vandalism.

#### **2.06**

#### **VENTILATION**

Airflow is achieved through 4 sets of 5 each chevron-styled louvers ¾" w x ¼" H in the vertical frame members.

#### **2.07**

#### **NUMBER PLATE**

Each door shall have a high strength black plastic number plate. 2½" w x 1 "H with white numbers not less than 7/16"H. Plates shall accommodate up to four digits, be nestled in a recess flush with door surface, and fastened to door with two rivets. Unless otherwise specified, lockers will be numbered consecutively from 1 - up.

## **2.08**

### **FINISH**

All steel parts shall be thoroughly machine cleaned, phosphated, and finished with a high performance polymer powder coating, baked-on to provide a uniform, smooth, protective finish. Colors to be selected from Hadrian's color card. Locker frames to be standard as Black #510, although the other standard colors are available without price increase. Special colors, including special powder-coating textures are provided and priced on request.

## **PART 111 EXECUTION**

### **3.01**

#### **INSTALLATION**

- A. Install replacement fronts and any applicable accessories in accordance with the Hadrian assembly instructions to achieve a plumb, level rigid installation.
- B. In the interest of safety, anchor all lockers properly to walls and/or floors as required. Use fasteners appropriate to load and anchoring substrate.
- C. Install locks (if applicable) and attach number plates in sequence after lockers are securely in place.

### **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.

### **"REPLACEMENT FRONT" NOTES:**

- 1) Type: Hadrian Replacement Front must be offered in single-tier and double-tier design.
- 2) Size: Hadrian Replacement Front must be offered in 12", 15" and 18" wide, 60" and 72" high.
- 3) When placing orders customers to advise a) Type, b) Size, c) Color of door and frame, d) Lock preparation, (i.e. padlock or key lock or combo lock, etc.) e) Numbering sequence, ("#1 and up" provided when unknown) f) accessories. (i.e. slope tops, metal bases, etc.)

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