

## **Open Front Knock Down Series**

### **Part 1: General**

**1.1 Construction Requirements:** All lockers shall be powder coated steel as design and manufactured by LockersMFG, Germantown, Tennessee. LockersMFG will furnish all labor and materials for the completion of work in this section, as shown in the approved drawings and specifications.

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

**1.3 Warranty:** Lockers are warranted for a lifetime against defective parts and workmanship. Excludes vandalism, improper installation, and use.

**1.4 ADA Lockers:** Lockers are to meet the Americans with Disabilities Act, accessibility guidelines. They shall have recessed handles and shall be single tier or lower opening of a double tier locker. Locker bottom shall be a minimum of 15" off the floor, or an extra shelf placed 15" off the floor. Single tier lockers shall have a shelf 48" off the floor. Doors assigned for handicapped use shall have an appropriate symbol sign.

**1.5 Submittals:** Shop drawing shall show the following: Dimensioned drawings, including plans, elevations, and sections to show locker locations and interfaces with adjacent substrates. Color charts will be provided, representing manufactures full range of available colors and finishes.

**1.6 Delivery, Storage & Handling:** Store products in manufacture's unopened packaging until ready for installation to protect the locker finish and adjacent surfaces from damage.

### **Part 2: Products**

**2.1 Acceptable Product:** LockersMFG Open Front Series, Knock Down locker.

**2.2 Acceptable Manufacturer:** LockersMFG, which is located at P.O. Box 208 Como, MS 38619; Phone: 662-338-4340; Email: [sales@lockersmfg.com](mailto:sales@lockersmfg.com); Website: [www.lockersmfg.com](http://www.lockersmfg.com)

**2.2.1** Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

**2.2.2** Lockers shall be SCS Global Services Indoor Advantage Gold certified through the SCS Indoor Advantage Certification Program.

**2.3 Material:** Steel parts shall be mild cold-rolled commercial quality steel, capable of taking a high-grade enamel finish.

**2.3.1 Rivets:** Steel mandrel rivets.

**2.3.2 Bolts and Nuts:** Zinc plated truss fin head bolts and hex nuts.

**2.4 Knockdown Construction:** Lockers shall be built on a unit principle with common intermediate uprights separating units. Locker body assembly using rivets and/or nuts and bolts

**2.4.1** Fabricate lockers square, rigid, without warp, with metal faces flat and free of distortion.

**2.5 Door Frames:** Shall be 16-gauge formed in a channel shape.

**2.6 Ventilation:** Locker sides have standard 3/4 inch wide by 1-1/2 inch high diamond-shaped perforations. Sides are available as solid as a no charge option. Security Box (option) solid door and sides. Foot Locker (option) a pattern of mini louvers that measure 1/2" wide by 1/4" high.

**2.7 Body:** Hole spacing in locker body construction: not exceeding 9". Steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**2.7.1 Bottoms:** 16-gauge sheet steel, with three sides, formed 90 degrees, the front offset formed to be flush with horizontal frame member.

**2.7.2 Tops:** 16-gauge sheet steel, with three sides, formed 90 degrees, the front offset formed to be flush with horizontal frame member.

**2.7.3 Sides:** 16-gauge sheet steel

**2.7.4 Backs:** 18-gauge sheet steel

**2.7.5 Shelves:** 16-gauge sheet steel. Shelves with four sides formed to 90 degrees, front edge having a second bend.

**2.8 Interior Equipment:** Full-width shelf, coat rod, and two single prong hooks. Open Front Lockers shall be equipped with one full width shelf. The locker shall be equipped with two single-prong clothes hooks mounted on the locker back. In addition, a coat rod shall be provided for the full width of the locker.

**2.8.1 Security Box (option):** Left side of Shelf. Door shall be 14-gauge steel, punched for built-in lock or padlock. Lock hole cover with door pull shall be provided for padlock use. Hinges Shall be 16-gauge continuous and riveted to 16-gauge welded frame

**2.8.2 Foot Locker(option):** With a stainless steel strike plate and have a tapered bottom flange for number plate mounting. The hinged seat/lid shall be 14-gauge steel with right angle flanges on the rear and sides on which are mounted four rubber bumpers that bear on the support flanges of the bottom. The seat front shall be further reinforced with two 16-gauge box channels running front to back of the underside of the lid. The seat/lid shall have a full width, continuous hinge riveted to the rear flange and welded to a 16-gauge channel-shaped hinge post attached to the locker back and sides. Two channel-shaped side fillers shall be mounted to the locker sides to provide supporting flanges along the sides of the seat/lid.

**2.9 Number Plates:** Provide holes for attaching number plates. Each locker shall have a polished aluminum number plate riveted to door face with black numerals 1/2" high.

## **2.10 Accessories**

**2.10.1 Zee Bases:** 14-gauge, steel flanged outward at top for support of lockers, flanged inward at bottom for anchoring to floor.

**2.10.2 Continuous Sloped Hoods:** 18-gauge steel, slope rise equal to 1/3 of the locker depth (18.5 degrees), plus a 1" vertical rise at front. Supplied in 72" lengths only. Slip joints without visible fasteners at splice locations. Provide necessary end closures and finish to match lockers.

- 2.10.3 16-Gauge Exposed End Panels:** Minimum 16-gauge steel formed to match locker depth and height. Punched with perimeter holes only.
- 2.10.4 Finished Box End Panels:** Minimum 16-gauge steel formed to match locker depth and height, 1" edge dimension; finish to match lockers; install with concealed fasteners.
- 2.10.5 Front Fillers:** 20-gauge steel formed in an angle shape, with 20-gauge slip joint angles formed in an angle shape with double bend on one leg forming a pocket to provide adjustable mating with angle filler. Attachment by means of concealed fasteners. Finish to match lockers.
- 2.10.6 Top Fillers:** 20-gauge steel. Cover gaps between tops of lockers. They overlap the locker tops and can be field cut.
- 2.10.7 Recess Trim:** 18-gauge steel, 3" face dimension. Vertical and/or horizontal as required. Standard lengths as long as practical; attaches to lockers with concealed clips. Provide necessary finish caps and splices. Finish to match lockers.
- 2.10.8 Benches:** Laminated selected hardwood, 1-1/4" full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer.
- 2.10.9 Heavy Duty Bench Pedestals:** Steel tubing with 10-gauge steel flanges welded to each end, 16-1/4" high, and finish to match lockers.
- 2.10.10 Stainless Steel Free-Standing Bench Pedestal:** 2" diameter brushed 16-gauge stainless steel formed into a trapezoid, 14" wide bottom with two 5/16" diameter holes, top flange with four 5/16" diameter holes for fastening to bench.
- 2.10.11 Padlocks:** Master keyed three number dialing combination type padlocks; provide master key. Mechanism must be resistant to "shimming."

**2.11 Finish:** All components shall have a hybrid epoxy/polyester powder, electrostatically applied to ensure a uniform finished and baked to cure.

- 2.11.1 Powder Coat Dry Thickness – minimum 2 mils**
- 2.11.2 Color:** Doors and all body parts shall be selected from LockersMFG's standard color range.
- 2.11.3 Custom colors optional.**

### **Part 3. Execution**

**3.1 Examination:** Do not begin installation until bases and all field conditions have been verified and prepared properly.

- 3.1.1** If bases and substrates are the responsibility of another entity, notify Architect of unsatisfactory preparation before proceeding.

**3.2 Preparation:** Verify that base is level. Do not begin installation until base has been properly

prepared.

- 3.2.1** Clean surfaces thoroughly prior to installation. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

**3.3 Installation:** Lockers shall be installed in compliance with LockersMFG's installation instructions and shall be level and plumb with flush surfaces and rigid attachment to anchoring surfaces.

- 3.3.1** Bolt adjoining locker units together to provide rigid installation.
- 3.3.2** Anchor lockers to floor and wall at 48 inches or less, as recommended by the manufacturer.
- 3.3.3** Install sloping tops and metal fillers using concealed fasteners. Provide flush hairline joints against adjacent surfaces.
- 3.3.4** Install benches by fastening bench tops to pedestals and securely anchoring to the floor using appropriate anchors for the floor material.

**3.4 Anchoring:** Anchor lockers to floor and wall.

**3.5 Assembly:** Assembly by bolting is acceptable, LockersMFG recommends assembly by riveting. Rivets provide solid permanent fastening but allow for faster removal by drilling where future rearrangement of lockers or replacement of damage parts may be required.

**3.6 Adjust and Clean:** Adjust doors and latches to operate without binding. Verify that latches are operating satisfactorily.

- 3.6.1** Adjust built-in locks to prevent binding of dial or key and ensure smooth operation prior to substantial completion.

**3.7 Touch up:** With factory supplied paint and repair or replace damaged products before substantial completion.

**3.8 Protection:** Protect installed products until completion of project.

**End of Section**