Section 10 51 13

Lockers MFG Knock Down Open Front Lockers

SECTION 10 51 13 – METAL LOCKERS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

 A. Section Includes:

1. Knockdown Open Front Lockers.

 2. Locker Benches.

1.03 SUBMITTALS

A. Shop Drawings: Dimensioned drawings, including plans, elevations, and sections to show locker locations and interfaces with adjacent substrates.

B. Color Samples: Manufacturer’s color samples showing the full range of colors available.

C. Product Data:

 1. Preparation instructions and recommendations.

2. Storage and handling requirements and recommendations.

 3. Installation methods

D. Field Dimensions: Verify that drawings with the actual dimensions of the areas receiving the lockers must be submitted to the manufacturer prior to fabrication of the lockers and accessories.

1.04 QUALITY ASSURANCE

A. Regulatory Requirements: Where metal lockers are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance

Board's "Americans with Disabilities Act (ADA) and Architectural Barriers Act (ABA)

 Accessibility Guidelines for Buildings and Facilities" and ICC/ANSI A117.1.

B. Source Limitations: Provide lockers and benches from a single manufacturer to ensure uniformity.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Store products in the manufacturer’s unopened packaging until ready for installation to protect the locker finish and adjacent surfaces from damage.

1.06 WARRANTY

1. Manufacturer’s Standard Limited Lifetime Warranty against defective parts and workmanship, excluding vandalism and improper installation and use.

* 1. CONSTRUCTION REQUIREMENTS

A. All lockers shall be powder-coated steel as designed and manufactured by Lockers Manufacturing. Lockers Manufacturing will furnish all labor and materials for the completion of work in this section, as shown in the approved drawings and specifications.

PART 2 - PRODUCTS

2.01 MANUFACTURER

A. Lockers Manufacturing, located at 209 Pearson Steet, Batesville, MS 38606: Phone: 662-338-4340; Email: sales@lockermfg.com; Website: [www.lockermfg.com](http://www.lockermfg.com/).

B. Request for substitutions will be evaluated only if they are submitted with supporting documents to show that they are equal to or better than these specification standards.

2.02 PERFORMANCE AND DESIGN REQUIREMENTS

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

B. Lockers shall be SCS Global Services Indoor Advantage Gold Certified through the SCS Indoor Advantage Certification Program.

2.03 MATERIAL

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

B. Rivets: Steel mandrel rivets

C. Bolts and Nuts: Zinc-plated truss fin head bolts and hex nuts.

2.04 KNOCKDOWN OPEN FRONT LOCKERS

A. Basis of Design: Knockdown Heavy Duty Series by LockersMFG.

1. Width:

2. Depth:

3. Height:

4. Dimensions:

B. Door Frames: Shall be 16-gauge (0.0598-inch) formed in a channel shape with continuous vertical door strike.

C. Ventilation: All sides 20” or higher shall be perforated with diamond-shaped perforations. Optional solid sides. Optional ventilation patterns available upon request. (Full louvers, standard louvers, mini louvers, solid, rectangular perforations).

D. Body: Steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

1. Bottoms: 16-gauge (0.0598-inch) sheet steel, notched and formed sheet; one continuous bottom for each group of lockers.

2. Tops: 16-gauge (0.0598-inch) sheet steel, notched and formed sheet.

3. Sides: 16-gauge (0.0598-inch) sheet steel.

4. Backs: 18-gauge (0.0478-inch) sheet steel.

5. Shelves: 16-gauge (0.0598-inch) sheet steel, flanged four sides with additional return flange on front edge to increase strength.

I. 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.

1. All hooks are zinc-plated steel with ballpoint heads and are attached with two fasteners.

2. 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.

3. 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 (0.0747- inch) 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 (0.0598-inch) 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.

J. Number Plates: Provide holes for attaching number plates. Each locker shall have a polished aluminum number plate riveted to door face with black numerals ½” high.

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

1. Powder-coat dry thickness is a minimum 2 mm thick.

2. Color: As selected by Architect from manufacturer’s full range.

3. Special Color/Finish

a. Custom color

b. Anti-Graffiti

c. Anti-Microbial

2.05 ACCESSORIES (Optional)

A. Zee Bases for Knock Down Lockers: 14-gauge (0.0747-inch), steel flanged outward at the top for support of lockers, flanged inward at bottom for anchoring to the floor.

B. Closed Bases: 18-gauge (0.0478-inch) closed metal front and end bases, finished to match lockers.

C. Continuous Sloped Hoods: 18-gauge (0.0478-inch) steel, slope rise equal to 1/3 of the locker depth. (18.5 degrees), plus a 1” vertical rise at front. Provide necessary end closures and finish to match lockers.

D. Exposed End Panels: Minimum 16-gauge (0.0598-inch) steel formed to match locker depth and height. Punched with perimeter holes only.

E. Finished Box End Panels: Minimum 16-gauge (0.0598-inch) steel formed to match locker depth and height, 1” edge dimension; finish to match lockers; install with concealed fasteners.

F. Front Fillers: 20-gauge (0.0359-inch) steel formed in an angle shape, with 20-gauge (0.0359- inch) slip joint angles formed in an angle shape with a double bend on one leg forming a pocket to provide adjustable mating with angle filler. Attachment utilizing concealed fasteners finish to match lockers.

G. Top Fillers: 20-gauge (0.0359-inch) steel.

H. Recess Trim: 18-gauge (0.0478-inch) 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.

I. Benches: Laminated selected hardwood, 1‐1/4" full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer.

J. Heavy Duty Bench Pedestals:Steel tubing with 10-gauge (0.1345-inch) steel flanges welded to each end, 16‐1/4" high, and finish to match lockers.

K. Stainless-Steel Free-Standing Bench Pedestal:2" diameter brushed 16-gauge (0.0598-inch) 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.

L. Locks:

1. Built-in flat key locks; master key same to series.

2. Built-in grooved key Locks (pin tumbler); master key to same series.

3. Built-in three number dialing combination locks capable of at least five different combinations changes; provide master key, combination change key, and combination control charts.

4. Padlocks: Master keyed three number dialing combination type padlocks; provide master key. Mechanism must be resistant to “shimming.”

2.06 FABRICATION

A. Pre-assemble locker by riveting into one-piece structures; maximum width of groups to be 54”.

1. Fabricate locker square, rigid, without warp, with metal faces and free of distortion.

PART 3 - EXECUTION

3.01 PREPARATION

A. Verify that base is level. Do not begin installation until the base has been properly prepared. If bases or substrates are unsatisfactory, notify Architect immediately before proceeding.

1. Clean surfaces thoroughly prior to installation.

3.02 INSTALLATION

A. Lockers shall be installed in compliance with Lockers Manufacturing installation instructions and shall be level and plumb with flush surfaces and rigid attachment to anchoring surfaces.

1. Bolt adjoining locker units together to provide rigid installation.

2. Assembly by bolting is acceptable, Lockers Manufacturing recommends assembly by riveting.

3. Install sloping tops and metal fillers using concealed fasteners. Provide flush hairline joints against adjacent surfaces.

4. Install benches by fastening bench tops to pedestals and securely anchoring to the floor using appropriate anchors for the floor material.

B. Anchor lockers to floor and wall

1. Anchor lockers to floor and wall at 48 inches or less, as recommended by the manufacturer.

C. With factory supplied paint and repair or replace damaged products before substantial completion.

3.03 ADJUST AND CLEAN

A. Adjust doors and latches to operate without binding. Verify that latches are operating satisfactorily.

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

3.04 PROTECTION

A. Protect installed products until completion of project.

END OF SECTION