

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, excluding vandalism and 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: Specified Product Detail Knock Down Series

2.1 Acceptable Product: LockersMFG Knock Down 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; Website: 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. Vertical members shall have additional flange to provide a continuous door strike. Cross frame members should also be 16-gauge channel-shaped, including intermediate cross frame members on double and triple tier lockers.

2.5.1 Securely weld cross frame members of channel shapes to vertical framing members to ensure rigidity.

2.6 Doors: Shall be 16-gauge, with louvers for ventilation channel shaped on both the lock and hinge side, with angle formations across the top and bottom.

2.6.1 Doors 12" wide and over or 20" high are 16-gauge sheet steel. Doors less than 12" wide are 18-gauge sheet steel.

2.6.2 Doors over 15" wide by 60" or 72" high: includes a 3" wide 16-gauge full height reinforcing pan welded to inside face of door at 6" centers.

2.6.3 Legs: 6" legs are standard. Without legs optional.

2.7 Ventilation: Louvered doors in manufactures standard louver pattern. Optional ventilation patterns available upon request.

2.8 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.

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

2.8.2 Tops: 24-gauge sheet steel, with three sides, formed 90 degrees, the front offset formed to be flush with horizontal frame member.

2.8.3 Sides: 24-gauge sheet steel

2.8.4 Backs: 24-gauge sheet steel

2.8.5 Shelves: 24-gauge sheet steel. Shelves with four sides formed to 90 degrees, front edge having a second bend.

2.9 Box Lockers: Channel formations on lock and hinge sides, right angle flanges on top and bottom; pre-punch doors for padlock latch and friction catch and built-in combination and key locks.

2.10 Hinges: Shall be 16-gauge full-length continuous piano type riveted to both door and frame. Hinge shall maximize security and enhance resistance to abuse and vandalism. Optional 2" high, double spun full loop tight pin, five-knuckle, butt hinge. Welded to frame and riveted to door.

2.11 Handles: Shall be one-piece 20-gauge deep drawn stainless cup designed to accommodate locks.

2.12 Latching: On single, double, triple, and two-person lockers the lifting trigger will be 14-gauge steel, attached to the latching channel. The trigger will have a padlock eye for use with 9/32" diameter padlock shackle — latching channel held in place by built-in metal lips, ensuring quiet locker performance.

2.12.1 Doors shall have latch clip glass filled nylon; engaging frame at 3 points on doors over 42" high and 2 points on all other doors. Locking device to be positive automatic type, whereby locker door may be locked when open, then closed without unlocking.

2.12.2 A rubber silencer shall be firmly secure to the frame at each latch hook.

2.12.3 Provide lock hole cover plate for use with padlocks. Four, five and six tier lockers shall

have an 11-gauge frame hook secured to the frame. The frame hook shall have a padlock hasp protruding through the recessed handle. Optional single point latch, this is equipped with a magnetic catch ensuring doors stay shut.

- 2.12.4 Pocket:** 20-gauge brushed stainless steel securely fastened to door with two tabs and a positive tamper-resistant decorative fastener; of depth sufficient to prevent a combination padlock, built-in combination lock, or key lock from protruding beyond door face.

2.13 Interior Equipment: Single tier lockers 48" or higher shall have a shelf. When under 18" deep, locker shall have 3 wall hooks and one ceiling hook. Single tier lockers 18" deep or more shall have a coat rod instead of one ceiling hook. Triple tier lockers shall have three wall hooks for 12" and 4 wall hooks for 15" and wider lockers.

- 2.13.1** All hooks are zinc plated steel with ball point heads and are attached with two fasteners.

2.14 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.

2.15 Finish: All components shall have a 2mm hybrid epoxy/polyester powder, electrostatically applied to ensure a uniform finished and baked to cure.

- 2.15.1** Powder Coat Dry Thickness – minimum 2 mils

2.16 Color: Doors and all body parts shall be selected from LockersMFG's standard color range.

- 2.16.1** Custom colors optional.

2.17 Accessories:

- 2.17.1 Closed Bases:** 18-gauge closed metal front and end bases, finished to match lockers.
- 2.17.2 Zee Bases for Knock Down Lockers:** 14-gauge, steel flanged outward at top for support of lockers, flanged inward at bottom for anchoring to floor.
- 2.17.3 Unit Slope Tops for Standard Duty Lockers:** 24-gauge steel, slope rise equal to 1/3 of the locker depth, finish to match lockers.
- 2.17.4 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.
- 2.17.5 16-gauge Exposed End Panels:** Minimum 16-gauge steel formed to match locker depth and height. Punched with perimeter holes only.
- 2.17.6 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.
- 2.17.7 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.
- 2.17.8 Top Fillers:** 20-gauge steel. Cover gaps between tops of lockers. They overlap the locker tops and can be field cut.

- 2.17.9 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.
- 2.17.10 Benches:** Laminated selected hardwood, 1-1/4" full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer.
- 2.17.11 Heavy Duty Bench Pedestals:** Steel tubing with 10-gauge steel flanges welded to each end, 16-1/4" high, and finish to match lockers.
- 2.17.12 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.
- 2.17.13 Locks:** Built-in flat key locks; master key same to series.
- 2.17.14 Locks:** Built-in grooved key Locks (pin tumbler); master key to same series.
- 2.17.15 Locks:** 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.
- 2.17.16 Padlocks:** Master keyed three number dialing combination type padlocks; provide master key. Mechanism must be resistant to "shimming."

2.18 Built-In Standard Superior Quiet Locker Features:

- 2.18.1 Silencing For Schools:** We Feature Technology Leading Quiet Doors.
- 2.18.2 The Design Specification:** The key to the sound dampening is the solid interior welded double strength plate welded to the door. This one piece is fabricated from 16-gauge or 18-gauge steel sheet; formed into channel shape with double a bend at vertical edges and with a single right-angle bend at the horizontal edges. The doors can be equipped with quiet handles and silencing latches.
- 2.18.3 Quiet Handles:** stainless steel recessed handle with plastic-protected lifting trigger, designed to accept padlock or built-in locks.
- 2.18.4 Silencing Latches:** nearly silent multi-point latching on heavy-gauge frame hooks with rubber buffers that smoothly reduce noise and contact. There is a concealed quiet lock bar that is locked into place and restricts metal-to-metal noise contact by polyethylene glides.
- 2.18.5 U-Shape Channel Glide:** The spider plastic component tops the inside of the galvanized latch channels, so there is no rattling within the latch bar cavity.

2.19 Additional Option. Sound-Dampening Panels: Lockers Manufacturer's standard, designed to stiffen doors and reduce sound levels when doors are closed, of die-formed metal with full perimeter flange and sound-dampening design and material; welded to inner face of doors. These sound-dampening panels are attached horizontally or vertically depending upon the design of the locker.

Part 3. Execution

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

prepared.

- 3.1.1** 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.

3.2 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.

- 3.2.1** Bolt adjoining locker units together to provide rigid installation.
- 3.2.2** Install sloping tops and metal fillers using concealed fasteners. Provide flush hairline joints against adjacent surfaces.
- 3.2.3** Install benches by fastening bench tops to pedestals and securely anchoring to the floor using appropriate anchors for the floor material.

3.3 Anchoring: Anchor lockers to floor and wall.

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

3.4 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.

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

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

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

3.7 Protection: Protect installed products until completion of project.

End of Section

Knock Down Plus 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, excluding vandalism and 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: Specified Product Detail Knock Down Plus Series

2.1 Acceptable Product: LockersMFG Knock Down Plus 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; Website: 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. Vertical members shall have additional flange to provide a continuous door strike. Cross frame members should also be 16-gauge channel-shaped, including intermediate cross frame members on double and triple tier lockers.

- 2.5.1** Securely weld cross frame members of channel shapes to vertical framing members to ensure rigidity.

2.6 Doors: Shall be 14-gauge, channel-shaped on both the lock and hinge side, with angle formations across the top and bottom. One, two, and three tier lockers doors shall have 16-gauge full height reinforcement channel.

- 2.6.1** Doors 12" and over wide or 20" high are 14-gauge sheet steel. Doors less than 12" wide are 18-gauge sheet steel.

- 2.6.2** Doors over 15" wide by 60" or 72" high: includes a 3" wide 20-gauge full height reinforcing pan welded to inside face of door at 6" centers.

- 2.6.3 Legs:** 6" legs are standard. Without legs is optional.

2.7 Ventilation: Flush door front with no exposed louvers and air flow slots located in top and bottom flanges of door. Optional ventilation patterns available upon request.

2.8 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.

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

- 2.8.2 Tops:** 24-gauge sheet steel, with three sides, formed 90 degrees, the front offset formed to be flush with horizontal frame member.

- 2.8.3 Sides:** 24-gauge sheet steel

- 2.8.4 Backs:** 24-gauge sheet steel

- 2.8.5 Shelves:** 24-gauge sheet steel. Shelves with four sides formed to 90 degrees, front edge having a second bend.

- 2.8.6 Box Lockers:** Channel formations on lock and hinge sides, right angle flanges on top and bottom; pre-punch doors for padlock latch and friction catch and built-in combination and key locks.

2.9 Hinges: Shall be 16-gauge full-length continuous piano type riveted to both door and frame. Hinge shall maximize security and enhance resistance to abuse and vandalism. Optional 2" high, double spun full loop tight pin, five-knuckle, butt hinge. Welded to frame and riveted to door.

2.10 Handles: Shall be one-piece 20-gauge deep drawn stainless cup designed to accommodate locks.

2.11 Latching: On single, double, triple, and two-person lockers the lifting trigger will be 14-gauge steel, attached to the latching channel. The trigger will have a padlock eye for use with 9/32" diameter padlock shackle. Latching channel held in place by built-in metal lips, ensuring quiet locker performance.

2.11.1 Doors shall have latch clip glass filled nylon; engaging frame at 3 points on doors over 42" high and 2 points on all other doors. Locking device to be positive automatic type, whereby locker door may be locked when open, then closed without unlocking.

2.11.2 A rubber silencer shall be firmly secure to the frame at each latch hook.

2.11.3 Provide lock hole cover plate for use with padlocks. Four, five and six tier lockers shall have an 11-gauge frame hook secured to the frame. The frame hook shall have a padlock hasp protruding through the recessed handle. Optional single point latch, this is equipped with a magnetic catch ensuring doors stay shut.

2.11.4 Pocket: 20-gauge brushed stainless steel securely fastened to door with two tabs and a positive tamper-resistant decorative fastener; of depth sufficient to prevent a combination padlock, built-in combination lock, or key lock from protruding beyond door face.

2.12 Interior Equipment: Single tier lockers 48" or higher shall have a shelf. When under 18" deep, locker shall have 3 wall hooks and one ceiling hook. Single tier lockers 18" deep or more shall have a coat rod instead of one ceiling hook. Triple tier lockers shall have three wall hooks for 12" and 4 wall hooks for 15" and wider lockers.

2.12.1 All hooks are zinc plated steel with ball point heads and are attached with two fasteners.

2.13 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.

2.14 Finish: All components shall have a 2mm hybrid epoxy/polyester powder, electrostatically applied to ensure a uniform finished and baked to cure.

2.14.1 Powder Coat Dry Thickness – minimum 2 mils

2.15 Color: Doors and all body parts shall be selected from LockersMFGs standard color range.

2.15.1 Custom colors optional.

2.16 Accessories

2.16.1 Closed Bases: 18-gauge closed metal front and end bases, finished to match lockers.

2.16.2 Zee Bases for Knock Down Lockers: 14-gauge, steel flanged outward at top for support of lockers, flanged inward at bottom for anchoring to floor.

- 2.16.3 Unit Slope Tops for Standard Duty Lockers:** 24-gauge steel, slope rise equal to 1/3 of the locker depth, finish to match lockers.
- 2.16.4 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.
- 2.16.5 16-gauge Exposed End Panels:** Minimum 16-gauge steel formed to match locker depth and height. Punched with perimeter holes only.
- 2.16.6 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.
- 2.16.7 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.
- 2.16.8 Top Fillers:** 20-gauge steel. Cover gaps between tops of lockers. They overlap the locker tops and can be field cut.
- 2.16.9 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.
- 2.16.10 Benches:** Laminated selected hardwood, 1-1/4" full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer.
- 2.16.11 Heavy Duty Bench Pedestals:** Steel tubing with 10-gauge steel flanges welded to each end, 16-1/4" high, and finish to match lockers.
- 2.16.12 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.
- 2.16.13 Locks:** Built-in flat key locks; master key same to series.
- 2.16.14 Locks:** Built-in grooved key Locks (pin tumbler); master key to same series.
- 2.16.15 Locks:** 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.
- 2.16.16 Padlocks:** Master keyed three number dialing combination type padlocks; provide master key. Mechanism must be resistant to "shimming."

2.17 Built-In Standard Superior Quiet Locker Features:

- 2.17.1 Silencing For Schools:** We Feature Technology Leading Quiet Doors.

- 2.17.2 The Design Specification:** The key to the sound dampening is the solid interior welded double strength plate welded to the door. This one piece is fabricated from 16-gauge or 18-gauge steel sheet; formed into channel shape with double a bend at vertical edges and with a single right-angle bend at the horizontal edges. The doors can be equipped with quiet handles and silencing latches.
- 2.17.3 Quiet Handles:** stainless steel recessed handle with plastic-protected lifting trigger, designed to accept padlock or built-in locks.
- 2.17.4 Silencing Latches:** nearly silent multi-point latching on heavy-gauge frame hooks with rubber buffers that smoothly reduce noise and contact. There is a concealed quiet lock bar that is locked into place and restricts metal-to-metal noise contact by polyethylene glides.
- 2.17.5 U-Shape Channel Glide:** The spider plastic component tops the inside of the galvanized latch channels, so there is no rattling within the latch bar cavity.

2.18 Additional Option. Sound-Dampening Panels: Lockers Manufacturer's standard, designed to stiffen doors and reduce sound levels when doors are closed, of die-formed metal with full perimeter flange and sound-dampening design and material; welded to inner face of doors. These sound-dampening panels are attached horizontally or vertically depending upon the design of the locker.

Part 3. Execution

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

- 3.1.1** 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.

3.2 Installation: Lockers shall be installed in compliance with Locker MFG's installation instructions and shall be level and plumb with flush surfaces and rigid attachment to anchoring surfaces.

- 3.2.1** Bolt adjoining locker units together to provide rigid installation.
- 3.2.2** Install sloping tops and metal fillers using concealed fasteners. Provide flush hairline joints against adjacent surfaces.
- 3.2.3** Install benches by fastening bench tops to pedestals and securely anchoring to the floor using appropriate anchors for the floor material.

3.3 Anchoring: Anchor lockers to floor and wall.

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

3.4 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.

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

3.6 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

Knock Down Heavy Duty 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, excluding vandalism and 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 Color Selection Samples: For each product specified, furnish metal samples of manufacturer's complete range of colors and finishes.

1.7 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: Specified Product Detail

2.1 Acceptable Product: LockersMFG Heavy Duty 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; Website: 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 Heavy Duty 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. Vertical members shall have additional flange to provide a continuous door strike. Cross frame members should also be 16-gauge channel-shaped, including intermediate cross frame members on double and triple tier lockers.

2.5.1 Securely weld cross frame members of channel shapes to vertical framing members to ensure rigidity.

2.6 Doors: Shall be 14-gauge, channel-shaped on both the lock and hinge side with angle formations across the top and bottom. Single, double and triple tier lockers doors shall be 16-gauge full height reinforcement channel.

2.6.1 Doors over 15" wide and 30" high: includes a 3" wide 16-gauge full height reinforcing pan welded to inside face of door at 6" centers.

2.6.2 Legs: 6" legs are standard. Without legs is optional.

2.7 Ventilation: All lockers sides and doors 20" or higher shall be perforated diamond- shaped perforations. Optional ventilation patterns available upon request. (Full louvers, standard louvers, mini louvers, solid, rectangular perforations)

2.8 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.

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

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

2.8.3 Sides: 16-gauge sheet steel

2.8.4 Backs: 18-gauge sheet steel

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

2.9 Box Lockers: Channel formations on lock and hinge sides, right angle flanges on top and bottom; pre-punch doors for padlock latch and friction catch and built-in combination and key locks.

2.10 Hinges: Shall be 16-gauge full-length continuous piano type riveted to both door and frame. Hinge shall maximize security and enhance resistance to abuse and vandalism. Optional 2" high, double spun, full loop tight pin, five knuckle butt hinge. Welded to frame and riveted to door.

2.11 Handles: Shall be one piece 20-gauge deep drawn stainless cup with plastic-protected lifting trigger, designed to accept padlock or built-in locks.

2.12 Latching: Multi-point latch full channel formation of adequate depth to fully conceal lock bar on lock side, channel formation on hinge side, right angle formations across top and bottom, with holes for attaching number plates. Latching channel held in place by built-in metal lips, ensuring quiet locker performance.

2.12.1 Single point latch 14-gauge door reinforced by a full height 3-1/2" wide, 18-gauge vertical pan welded to the top, bottom and hinge-side flanges and rear of door skin on 12", 15" and 18" wide doors. Provide a horizontal pan for doors wider than 18".

2.12.2 Pocket: 20-gauge brushed stainless steel securely fastened to door with two tabs and a positive tamper-resistant decorative fastener; of depth sufficient to prevent a combination padlock, built-in combination lock, or key lock from protruding beyond door face.

2.13 Interior Equipment: Single tier lockers 48" or higher shall have a shelf. When under 18" deep, locker shall have 3 wall hooks and one ceiling hook. Single tier lockers 18" deep or more shall have a coat rod instead of one ceiling hook. Triple tier lockers shall have three wall hooks for 12" and 4 wall hooks for 15" and wider lockers.

2.13.1 All hooks are zinc plated steel with ball point heads and are attached with two fasteners.

2.14 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.

2.15 Finish: All components shall have a 2mm hybrid epoxy/polyester powder, electrostatically applied to ensure a uniform finished and baked to cure.

2.15.1 Powder Coat Dry Thickness – minimum 2 mils

2.16 Color: Doors and all body parts shall be selected from LockersMFG's standard color range.

2.16.1 Custom colors optional.

2.17 Accessories

2.17.1 Closed Bases: 18-gauge closed metal front and end bases, finished to match lockers.

2.17.2 Zee Bases for Knock Down Lockers: 14-gauge, steel flanged outward at top for support of lockers, flanged inward at bottom for anchoring to floor.

2.17.3 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.

2.17.4 16-Gauge Exposed End Panels: Minimum 16-gauge steel formed to match locker depth and height. Punched with perimeter holes only.

- 2.17.5 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.
- 2.17.6 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.
- 2.17.7 Top Fillers:** 20-gauge steel. Cover gaps between tops of lockers. They overlap the locker tops and can be field cut.
- 2.17.8 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.
- 2.17.9 Benches:** Laminated selected hardwood, 1-1/4" full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer.
- 2.17.10 Heavy Duty Bench Pedestals:** Steel tubing with 10-gauge steel flanges welded to each end, 16-1/4" high, and finish to match lockers.
- 2.17.11 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.
- 2.17.12 Locks:** Built-in flat key locks; master key same to series.
- 2.17.13 Locks:** Built-in grooved key Locks (pin tumbler); master key to same series.
- 2.17.14 Locks:** 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.
- 2.17.15 Padlocks:** Master keyed three number dialing combination type padlocks; provide master key. Mechanism must be resistant to "shimming."

2.18 Silencing For Schools: We Feature Technology Leading Quiet Doors:

2.18.1 The Design Specification: The key to the sound dampening is the solid interior welded double strength plate welded to the door. This one piece is fabricated from 16-gauge or 18-gauge steel sheet; formed into channel shape with double a bend at vertical edges and with a single right-angle bend at the horizontal edges. The doors can be equipped with quiet handles and silencing latches.

2.18.2 Quiet Handles: stainless steel recessed handle with plastic-protected lifting trigger, designed to accept padlock or built-in locks.

2.18.3 Silencing Latches: nearly silent multi-point latching on heavy-gauge frame

hooks with rubber buffers that smoothly reduce noise and contact. There is a concealed quiet lock bar that is locked into place and restricts metal-to-metal noise contact by polyethylene glides.

2.18.4 U-Shape Channel Glide: The spider plastic component tops the inside of the galvanized latch channels, so there is no rattling within the latch bar cavity.

2.18.5 Additional Option. Sound-Dampening Panels: Lockers Manufacturer's standard, designed to stiffen doors and reduce sound levels when doors are closed, of die-formed metal with full perimeter flange and sound-dampening design and material; welded to inner face of doors. These sound-dampening panels are attached horizontally or vertically depending upon the design of the locker.

Part 3. Execution

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

3.1.1 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.

3.2 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.

3.2.1 Bolt adjoining locker units together to provide rigid installation.

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

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

3.3 Anchoring: Anchor lockers to floor and wall.

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

3.4 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 damaged parts may be required.

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

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

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

3.7 Protection: Protect installed products until completion of project.

End of Section



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; Website: 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

Open Front All Welded 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, All-Welded 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; Website: 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 All-Welded Open Front Construction: Lockers shall be pre-assembled of welded

construction conforming to job requirements. All welds shall be smooth and without burrs. No nuts, bolts, or rivets shall be allowed in assembly of main locker groups. Optional Security Box and/or Foot Locker are welded into assembly. Integral 4-inch base 14-gauge steel channel welded to locker bottom (option)

- 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 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.
- 2.10.4 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.
- 2.10.5 Top Fillers:** 20-gauge steel. Cover gaps between tops of lockers. They overlap the locker tops and can be field cut.
- 2.10.6 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.
- 2.10.7 Benches:** Laminated selected hardwood, 1-1/4" full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer.
- 2.10.8 Heavy Duty Bench Pedestals:** Steel tubing with 10-gauge steel flanges welded to each end, 16-1/4" high, and finish to match lockers.
- 2.10.9 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.
- 2.10.10 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

2.12 Color: Doors and all body parts shall be selected from LockersMFG's standard color range.

2.12.1 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

All Welded 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, excluding vandalism and 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: Specified Product Detail All Welded

2.1 Acceptable Product: LockersMFG All Welded Series, All Welded Locker.

2.2 Acceptable Manufacturer: LockersMFG, which is located a P.O. Box 208 Como, MS 38619; Phone: 662-338-4340; Email: sales@lockersmfg.com; Website: 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.

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

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

2.3 Welded Lockers: Pre-assemble lockers by welding into one-piece structures in groupings most practical for job requirements, welds free of burrs; maximum width of groups to be 54”.

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

2.4 Door Frames: Shall be 16 gauge formed in a channel shape with continuous vertical door strike.

2.5 Door: 14-gauge steel formations are full channel shape on the lock side adequate depth to fully conceal the lock bar, channel formation on the hinge side, and right-angle formations across the top and bottom.

- 2.5.1 Doors over 15" wide and 30" high: Provide with 3" wide 16-gauge full height reinforcing pan, welded to inside face of door at 6" centers.

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

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

- 2.7.1 **Bottoms:** 16-gauge sheet steel, notched and formed sheet; one continuous bottom for each group of lockers, suitable for anchoring to wood or concrete bases.
- 2.7.2 **Tops:** 16-gauge sheet steel, notched and formed sheet; one continuous flat top for each group of lockers.
- 2.7.3 **Sides:** 16-gauge sheet steel.
- 2.7.4 **Backs:** 18-gauge sheet steel.
- 2.7.5 **Shelves:** 16-gauge sheet steel. Flanged four sides with additional return flange on front edge to increase strength.
- 2.7.6 **Integral Metal Base (standard):** 4" high 16-gauge steel channel, welded to the locker bottom.
- 2.7.7 **Legs (option):** Furnish each group of lockers with 4" high 14-gauge steel legs welded to locker bottom.
- 2.7.8 **No Legs or Base (option).**

2.8 Door Handle and Latching: Handles shall be recessed in the door and be finger lift control. Drawn pocket shall be 20 gauge brushed stainless steel securely fastened to the door with two tabs plus a positive tamper resistant decorative fastener. The pocket shall be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door.

- 2.8.1 A lock hole cover plate shall be provided for use with padlocks.
- 2.8.2 The lifting piece shall be 14 gauge formed steel, attached to the latching channel with one concealed retaining lug and one rivet assuring a positive two-point connection.

- 2.8.3** Handle finger lift shall have a padlock eye for use with a 9/32" diameter padlock shackle. It shall have a sound deadening molded comfortable finger lift.
- 2.8.4** Doors to have latch clip engaging the door frame at three points on 60" & 72" high and two points on 20" through 36" high doors.
- 2.8.5** Locking device to be positive, automatic type, whereby locker door may be locked when open, then closed without unlocking.
- 2.8.6** One rubber silencer shall be firmly secured in the frame at each heavy gauge latch hook.
- 2.8.7** Latch clips shall be glass filled nylon.
- 2.8.8** Latch hooks on diamond perforated lockers shall have tamper guards.

2.9 Hinges: Shall be 16-gauge continuous piano type hinge welded to the door and riveted to the frame for the full height of the door. Hinge shall maximize security and enhance resistance to abuse and vandalism. Optional 2" high, double spun, full loop tight pin, five knuckle butt hinge welded to frame and riveted to door.

2.10 Box Lockers: Door shall be 14-gauge steel, punched for built-in lock or padlock. Equip doors for use with padlocks with an 18-gauge combination door pull, staple, and lock hole cover plate with integral friction.

2.11 Interior Equipment: Full-width shelf, coat rod, and two single prong hooks.

- 2.11.1** All hooks are zinc plated steel with ball point heads and are attached with two fasteners.
- 2.11.2 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.
- 2.11.3 Finish:** All components shall have a 2mm hybrid epoxy/polyester powder, electrostatically applied to ensure a uniform finished and baked to cure.
- 2.11.4 Powder Coat Dry Thickness** – minimum 2 mils

2.12 Color: Doors and all body parts shall be selected from LockersMFG's standard color range.

- 2.12.1** Custom colors optional.

2.13 Accessories (Optional)

- 2.13.1 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.
- 2.13.2 16-Gauge Exposed End Panels:** Minimum 16-gauge steel formed to match locker depth and height. Punched with perimeter holes only.

- 2.13.3 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.
- 2.13.4 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.
- 2.13.5 Top Fillers:** 20-gauge steel. Cover gaps between tops of lockers. They overlap the locker tops and can be field cut.
- 2.13.6 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.
- 2.13.7 Benches:** Laminated selected hardwood, 1-1/4" full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer.
- 2.13.8 Heavy Duty Bench Pedestals:** Steel tubing with 10-gauge steel flanges welded to each end, 16-1/4" high, and finish to match lockers.
- 2.13.9 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.
- 2.13.10 Locks:** Built-in flat key locks; master key same to series.
- 2.13.11 Locks:** Built-in grooved key Locks (pin tumbler); master key to same series.
- 2.13.12 Locks:** 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.
- 2.13.13 Padlocks:** Master keyed three number dialing combination type padlocks; provide master key. Mechanism must be resistant to "shimming."

2.14 Built-In Standard Superior Quiet Locker Features.

- 2.14.1 Silencing for Schools:** We Feature Technology Leading Quiet Doors.
- 2.14.2 The Design Specification:** The key to the sound dampening is the solid interior welded double strength plate welded to the door. This one piece is fabricated from 16 gauge or 18-gauge steel sheet; formed into channel shape with double a bend at vertical edges and with a single right-angle bend at the horizontal edges. The doors can be equipped with quiet handles and silencing latches.
- 2.14.3 Quiet Handles:** stainless steel recessed handle with plastic-protected lifting trigger, designed to accept padlock or built-in locks.

2.14.4 Silencing Latches: nearly silent multi-point latching on heavy gauge frame hooks with rubber buffers that smoothly reduce noise and contact. There is a concealed quiet lock bar that is locked into place and restricts metal-to-metal noise contact by polyethylene glides.

2.14.5 U-Shape Channel Glide: The spider plastic component tops the inside of the galvanized latch channels, so there is no rattling within the latch bar cavity.

2.15 Additional Option. Sound Dampening Panels: LockersMFG standard, designed to stiffen doors and reduce sound levels when doors are closed, of die-formed metal with full perimeter flange and sound-dampening design and material; welded to inner face of doors. These sound-dampening panels are attached horizontally or vertically depending upon the design of the locker.

Part 3. Execution

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

3.1.1 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.

3.2 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.

3.2.1 Bolt adjoining locker units together to provide rigid installation.

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

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

3.3 Anchoring: Anchor lockers to floor and wall.

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

3.4 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 damaged parts may be required.

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

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

3.6 Touch up: With factory supplied paint and repair or replace damaged products before

substantial completion.

3.7 Protection: Protect installed products until completion of project.

End of Section

Angle Iron Series Specs

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. No substitutions allowed. Full sized product sample is required before any substitution is considered.

1.3 Warranty: Lockers are warranted for a lifetime against defective parts and workmanship, excluding vandalism and 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: Specified Product Detail Angle Iron Series

2.1 Acceptable Product: LockersMFG Angle Iron Series all welded locker.

2.2 Acceptable Manufacturer: LockersMFG, which is located at P.O. Box 383258, Germantown, TN 38183; Phone: 901-207-6573 Email: sales@lockersmfg.com; Web: 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 Fabrication: Lockers shall be built on a unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves, with common intermediate divisions. separating compartments

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

2.5 Welded Lockers: Pre-assemble lockers by welding into one-piece structures in groupings most practical for job requirements, welds free of burrs; maximum width of groups to be 54”.

2.6 Door Frames: Shall be continuous 1” x 1” x 1/8” pretreated angle iron steel.

2.7 Doors: Shall be 3/4-inch, 13-gauge, bond sheared, flattened expanded metal welded to steel angle frames (optional 14-gauge cold rolled sheet steel with diamond-shaped perforations).

2.8 Ventilation: All sides and doors 20” or higher shall be perforated with diamond-shaped perforations. Optional: solid doors and sides.

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

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

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

2.9.3 Sides: 14-gauge sheet steel

2.9.4 Backs: 18-gauge sheet steel

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

2.10 Box Lockers: Door shall be 14-gauge steel, punched for built-in lock or padlock. Equip doors for use with padlocks with an 18-gauge combination door pull, staple, and lock hole cover plate with integral friction.

2.11 Hinges: Shall be 16-gauge full-length continuous piano type riveted to both door and frame. Hinge shall maximize security and enhance resistance to abuse and vandalism. **Optional:** Hinges can be welded on either side for an upcharge.

2.12 Handle & pocket: Single Point Latching with Recessed Handle with integral pocket and pull 20-gauge brushed stainless steel securely fastened to door with two lugs and a positive tamper resistant decorative fastener. Pocket depth shall be sufficient to prevent a combination padlock, built-in combination lock, or key lock from protruding beyond door face. Pull formed in pocket. Padlock staple protruding through pocket. Provide lock hole cover plate for use with padlocks. Locking device 11-gauge steel hasp welded to locker frame; include surface for engaging the bolt of a built-in combination or key lock and anti-pry lug and slot to deter prying open when locked — firmly secure rubber silencers to locker frame.

2.13 Optional Handle & Latch: 3 point Cremone Multipoint Latch provides an unbreakable steel handle welded securely to a 3 point Cremone type latch mechanism. Latching rods 3/8” in

diameter shall engage top and bottom edge of locker frame: a 1/8" thick center latch shall engage the locker jamb, enabling door to latch on three sides. Mechanism must be compatible for padlocks and built-in deadbolt locks.

2.14 Integral Metal Base: 4" high 16-gauge steel channel, welded to the locker bottom.

2.15 Interior Equipment: Single tier lockers 20" or higher shall have a full-width shelf, one double prong ceiling hook and two single prong wall hooks.

2.15.1 All hooks are zinc plated steel with ballpoint heads and are attached with two fasteners. See locker CAD blueprint for positioning and interior requirements.

2.16 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.

2.17 Finish: All components shall have a 2mm hybrid epoxy/polyester powder, electrostatically applied to ensure a uniform finished and baked to cure.

2.17.1 Powder Coat Dry Thickness – minimum 2 mils

2.18 Color: Doors and all body parts shall be selected from LockersMFG's standard color range.

2.18.1 Custom colors optional.

2.19 Accessories & Options

2.19.1 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.

2.19.2 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.

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End of Section