

SECTION 10 5113

METAL LOCKERS

This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by one of the following methods:

Microsoft Word 2010: Display the FILE tab on the ribbon, click OPTIONS, then on left menu click on DISPLAY. Under ALWAYS SHOW THESE select or deselect HIDDEN TEXT.

Microsoft Word 2007: Click the OFFICE button, select WORD OPTIONS, select DISPLAY, then select or deselect the HIDDEN TEXT option.

Corel WordPerfect: From the pull-down menus select VIEW, then select or deselect the HIDDEN TEXT option.

This master specification section has been prepared by AJW Architectural Products for use in the preparation of a project specification section covering metal lockers and locker benches.

This specification is a part of the SpexPlus™ system, which comprises a full architectural master specification that can be used to specify all project requirements.

Other guide specifications are available from AJW covering the following products:

Section 10 1100 - Visual Display Units
Section 10 2114 - Stainless Steel Toilet Compartments
Section 10 2116 - Solid Plastic Toilet Compartments
Section 10 2813 - Toilet Accessories

The following should be noted in using this specification:

Hypertext links to specific websites are included after manufacturer names and names of organizations whose standards are referenced within the text, to assist in product selection and further research. Hypertext links are contained in parenthesis and shown in blue, e.g.:

(www.spexplus.net)

Optional text requiring a selection by the user is enclosed within brackets, e.g.: "Section [09 0000.] [____.]"

Items requiring user input are enclosed within brackets, e.g.: "Section [____ - ____]."

Optional paragraphs are separated by an "OR" statement, e.g.:

**** OR ****

Sustainable requirements are included for projects requiring LEED certification, and are included as green text. For additional information on LEED, visit the U.S. Green Building Council website at www.usgbc.org.

For assistance on the use of the products in this section, contact AJW Architectural Products by calling 845-562-3332, email at specs@ajw.com, or visit their website at www.ajw.com.

For assistance with obtaining or using the SpexPlus™ Master Specification System contact SpexPlus by calling 1-888-877-SPEX (1-888-877-7739), by email at chaney@spexplus.net, or visit our website at www.spexplus.net.

PART 1 GENERAL

1.1 SUMMARY

Edit the following paragraphs to include only those items specified in this section.

- A. Section Includes:
 - 1. Metal locker units with hinged doors.
 - 2. Metal [bases] [tops] [and] [filler panels].
 - 3. Locker benches.

Coordinate the following paragraphs with other sections in the project manual.

- B. Related Sections:
 - 1. Division 01: Administrative, procedural, and temporary work requirements.

1.2 SUBMITTALS

Limiting submittals to only those actually required helps to minimize liability arising from the review of submittals. Minimize submittals on smaller, less complex projects.

Include the following for submission of shop drawings, product data, and samples for the Architect's review.

- A. Submittals for Review:
 - 1. Shop Drawings: Include dimensioned layout, elevations, trim, closures, and accessories.
 - 2. Product Data: Manufacturer's descriptive data for each locker type.
 - 3. Samples: [Color chips showing full range of available colors.] [3 x 3] [__ x __] inch paint samples in specified colors.]

Include the following for submission of sustainable design submittals.

- B. Sustainable Design Submittals:
 - 1. Regional Materials: Certify distance between manufacturer and project and between manufacturer and extraction or harvest point in miles.

1.3 QUALITY ASSURANCE

The following paragraph specifies a minimum level of experience required of the parties performing the work of this section. Retain if required, and edit to suit project requirements.

- A. Installer Qualifications: Minimum [2] [__] years [documented] experience in work of this Section.

Edit the following to suit project requirements.

- B. Accessibility: Conform to [applicable accessibility code.] [____.]

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by AJW Architectural Products, 509 Temple Hill Road, New Windsor, NY 12553, 845-562-3332, www.ajw.com, specs@ajw.com.

Edit the following to indicate whether or not substitutions will be permitted for the products in this section.

- B. Substitutions: [Under provisions of Division 01.] [Not permitted.]

2.2 MATERIALS

- A. Steel Sheet:
 - 1. Prime grade mild cold rolled, free from surface imperfections, capable of receiving powder coated finish.

2.3 COMPONENTS

Include the following for Standard Series lockers. Edit to suit project requirements.

- A. Lockers:
1. Model: Standard Series.
 2. Assembly: [Knocked down, field assembled with rivets.] [Welded into single unit and shipped pre-assembled.]
 3. Configuration: [Single tier.] [Double tier.] [Triple tier.] [Four tier.] [Five tier.] [Six tier.] [Two person.] [16 person.] [Wall mount.]
 4. Ventilation type: [Standard louver.] [Diamond Vent.] [Mini Louver.] [Square Vent.]
 5. Size: [] inches wide x [] inches deep x [] inches high.
 6. Mounting: [Recessed.] [Surface mounted.] [Free standing.]
 7. Construction:
 - a. Door frame:
 - 1) 16 gauge steel, channel shaped; vertical members provided with additional flange for continuous door strike.
 - 2) 16 gauge cross frame members, channel shaped, including intermediate cross frames on double and triple tier lockers.

Standard locker doors are 16 gauge but may be up to 14 gauge if required.

- b. Doors: [Knocked down; 16 gauge steel] [Welded; 14 gauge steel] with ventilation louvers, channel shaped on lock and hinge sides, with angle formations across top and bottom.

Standard locker bodies are 24 gauge but may be up to 16 gauge if required. Bottoms may be 14 gauge steel for knock-down lockers.

- c. Bottoms, tops, sides, backs, and shelves: [Knocked down; 24 gauge steel,] [Welded; locker back of 18 gauge steel, other parts of 16 gauge steel,] bolted at maximum 9 inches on center.
8. Hinges: [2 inch high, five knuckle] [One piece, 16 gauge, full length continuous] type, riveted to door and frame.
9. Handles: One piece, 20 gauge deep drawn stainless steel cup designed to accommodate locks.
10. Latching device: Trigger lift type.
 - a. 14 gauge steel, attached to latching channel, with 9/32 inch hole for use with standard padlock, enclosed with molded thermal formed plastic cover.
 - b. Latch hooks engage frame at three points on doors over 42 inches high, and two points on doors under 42 inches high.
 - c. Rubber silencers secured in frame at each latch hook.
 - d. Positive automatic type; locker door may be locked when open, then closed without unlocking.

**** OR ****

11. Latching device: Single point type.
 - a. Frame hook of 11 gauge steel, welded to door frame, opposite of hinged side.
 - b. Padlock hasp protruding through stainless steel recessed handle.
12. Interior equipment:
 - a. Shelves: Steel shelf on lockers over 48 inches high.
 - b. Hooks: Two single prong wall hooks and one double prong ceiling hook.

Lockers 18 inches in depth receive coat rod. Coat rods are optional on lockers less than 18 inches in depth.

- c. Coat rod: One per locker.
13. Number plates: Polished aluminum with 1/2 inch high black numerals, riveted to door face.

**** OR ****

Include the following for Standard EX Collection lockers. Edit to suit project requirements.

B. Lockers:

1. Model: Standard EX Series.
2. Assembly: [Knocked down, field assembled with rivets.] [Welded into single unit and shipped pre-assembled.]
3. Configuration: [Single tier.] [Double tier.] [Triple tier.]
4. Size: [] inches wide x [] inches deep x [] inches high.
5. Mounting: [Recessed.] [Surface mounted.] [Free standing.]
6. Construction:
 - a. Door frame:
 - 1) 16 gauge steel, channel shaped; vertical members provided with additional flange for continuous door strike.
 - 2) 16 gauge cross frame members, channel shaped, channel shaped, including intermediate cross frames on double and triple tier lockers.

Standard locker doors are 16 gauge but may be up to 14 gauge if required.

b. Doors:

- 1) 14 gauge steel, non-ventilated, solid construction, channel shaped on both lock and hinge sides, with angle formations across top and bottom.
- 2) Full height 16 gauge reinforcement channel on single, double, and triple tier lockers:

Standard locker bodies are 24 gauge but may be up to 16 gauge if required. Bottoms may be 14 gauge steel for knock-down lockers.

c. Bottoms, tops, sides, backs, and shelves: [Knocked down; 24 gauge steel,] [Welded; locker back of 18 gauge steel, other parts of 16 gauge steel,] bolted at maximum 9 inches on center.

7. Hinges: [2 inch high, five knuckle] [One piece, 16 gauge, full length continuous] type, riveted to door and frame.
8. Handles: One piece, 20 gauge deep drawn stainless steel cup designed to accommodate locks.
9. Latching device: Single point type.
 - a. Frame hook of 11 gauge steel, welded to door frame, opposite of hinged side.
 - b. Padlock hasp protruding through stainless steel recessed handle.
10. Interior equipment:
 - a. Shelves: Steel shelf on lockers over 48 inches high.
 - b. Hooks: Two single prong wall hooks and one double prong ceiling hook.

Lockers 18 inches in depth receive coat rod. Coat rods are optional on lockers less than 18 inches in depth.

c. Coat rod: One per locker.

11. Number plate: Polished aluminum with 1/2 inch high black numerals, riveted to door face.

**** OR ****

Include the following for Athletic Collection lockers. Edit to suit project requirements.

C. Lockers:

1. Model: Athletic Series.
2. Assembly: [Knocked down, field assembled with rivets.] [Welded into single unit and shipped pre-assembled.]
3. Configuration: [Single tier.] [Double tier.] [Triple tier.] [Four tier.] [Five tier.] [Six tier.]
4. Ventilation type: Diamond shaped perforation, quantity and pattern to ensure maximum ventilation while maintaining structural integrity.
5. Size: [] inches wide x [] inches deep x [] inches high.
6. Mounting: [Recessed.] [Surface mounted.] [Free standing.]
7. Construction:
 - a. Door frame:
 - 1) 16 gauge steel, channel shaped; vertical members provided with additional flange

- for continuous door strike.
- 2) 16 gauge cross frame members, channel shaped, including intermediate cross frames on double and triple tier lockers.
- b. Doors: 14 gauge steel with diamond shaped perforation, channel shaped on lock and hinge sides, with angle formations across top and bottom.
- c. Bottoms, tops, sides, backs, and shelves: 18 gauge steel backs; other parts of 16 gauge steel, bolted at maximum 9 inches on center.
- 8. Hinges: [2 inch high, five knuckle] [One piece, 16 gauge, full length continuous] type, riveted to door and frame.
- 9. Handles: One piece, 20 gauge deep drawn stainless steel cup designed to accommodate locks.
- 10. Latching device: Trigger lift type.
 - a. 14 gauge steel, attached to latching channel, with 9/32 inch hole for use with standard padlock, enclosed with molded thermal formed plastic cover.
 - b. Latch hooks engage frame at three points on doors over 42 inches high, and two points on doors under 42 inches high.
 - c. Rubber silencers secured in frame at each latch hook.
 - d. Positive automatic type; locker door may be locked when open, then closed without unlocking.

**** OR ****

- 11. Latching device: Single point type.
 - a. Frame hook of 11 gauge steel, welded to door frame, opposite of hinged side.
 - b. Padlock hasp protruding through stainless steel recessed handle.
- 12. Interior equipment:

Lockers minimum 48 inches high have shelves.

- a. Shelves: 16 gauge steel shelf.
- b. Hooks: Three single prong wall hooks and one double prong ceiling hook.

Lockers 18 inches in depth receive coat rod. Coat rods are optional on lockers less than 18 inches in depth.

- c. Coat rod: One per locker.
- d. Number plate: Polished aluminum with 1/2 inch high black numerals, riveted to door face.

**** OR ****

Include the following for Professional Collection lockers. Edit to suit project requirements.

- D. Lockers:
 - 1. Model: Professional Series.
 - 2. Assembly: [Knocked down, field assembled with rivets.] [Welded into single unit and shipped pre-assembled.]
 - 3. Configuration: Single locker with open front.
 - 4. Ventilation type: Diamond perforated sides.
 - 5. Size: [] inches wide x [] inches deep x 72 inches high.
 - 6. Mounting: [Recessed.] [Surface mounted.] [Free standing.]
 - 7. Construction:
 - a. Locker frames: 16 gauge steel.
 - b. Backs: 18 gauge steel.
 - c. Bottoms, tops, sides, and shelves: 16 gauge steel, bolted at maximum 9 inches on center.

Include the following for an optional security box.

:

- 8. Security box:
 - a. 14 gauge lockable door with 16 gauge side panel.
 - b. Door attached to welded frame with 2 inch high, five knuckle hinge, secured with

- c. aluminum rivets.
- c. 16 gauge steel door frame formed to channel shape; vertical members provided with additional flange for continuous door strike.
- d. Recessed single point latch handle.

Include the following for an optional foot locker.

:

- 9. Foot locker:
 - a. Continuously hinged top with rubber bumpers at contact points.
 - b. Steel strengthened with two reinforcement channels welded to bottom of seat. Two side seat supports fastened to side panels and inserted in support tab on front locker panel.
 - c. Mini louvers.
 - d. Single point latch with padlock strike plate.
 - 10. Number plate: Polished aluminum with 1/2 inch high black numerals, riveted to door face.
- E. Accessories:
- 1. Locks: [Built-in combination locks.] [Combination pad locks.] [Built-in key locks; provide [two] [] keys per lock and [six] [] master keys.]

Include the following if filler panels required.

- 2. Filler panels: 20 gauge steel.

Include the following if perimeter trim is required.

- 3. Perimeter trim: 18 gauge steel, 3 inches wide, attached with concealed clips.

Include the following paragraph for metal bases.

- 4. Bases: 14 gauge steel, 4 inches high, Z-shaped, front [and end panels].

Include the following paragraph for sloped tops.

- 5. Sloped tops: 18 gauge steel, [continuous] type [with end closures].

Include the following for prefabricated locker benches.

- F. Locker Benches:
- 1. Size: 9-1/2 inches wide x [] feet long.
 - 2. Tops: [1-1/4 thick hardwood with rounded edges.] [1 inch thick plastic with 1/4 inch radius edges.]
 - 3. Supports: [Steel tubing with welded-on 10 gauge stainless steel top and bottom flanges, 16-1/4 inches high, finished to match lockers.] [2 inch width, 16 gauge brushed stainless steel, 16-1/4 inches high formed to trapezoidal shape, with four mounting holes in top for fastening to bench and four holes on bottom for fastening to floor.]

2.4 FINISHES

- A. Steel:
- 1. Power wash and phosphate treat.
 - 2. Apply hybrid epoxy/polyester powder coating, electrostatically applied and baked.
 - 3. Color: [] [To be selected from manufacturer's full color range].
- B. Wood: Two coats clear lacquer.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved Shop Drawings.

Include the following paragraph when lockers are set on a wood, concrete, or masonry base.

- B. Set on prepared locker base.
- C. Set plumb, level, and aligned.
- D. Attach lockers to supporting construction with anchors best suited to substrate conditions.
- E. Bolt adjacent locker units together to provide rigid installation.
- F. Install [filler panels] [sloped tops] [and] [bases].

3.2 ADJUSTING

- A. Adjust doors and latches to operate correctly.
- B. Touch up minor scratches and abrasions to match factory finish.

END OF SECTION