

SECTION 10 51 00
LOCKERS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Lockers of the following types:
 - 1. Standard duty metal lockers, Traditional Collection.
 - 2. Locker accessories.

1.2 RELATED SECTIONS

1.3 REFERENCES

- A. ADAAG - American with Disabilities Act, Accessibility Guidelines.
- B. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
- C. American Society for Testing and Materials (ASTM) A1008 - Standard Specification for Steel Sheet, Carbon, Cold-Rolled, Commercial Quality.
- D. American Society for Testing and Materials (ASTM) D4976 - Standard Specification for Polyethylene Plastics Molding and Extrusion Materials.
- E. American Society for Testing and Materials (ASTM) E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS

- A. Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- B. Shop Drawings: Provide layout and elevations of lockers with overall dimensions.
- C. Maintenance Data: For adjusting, repairing, and replacing locker doors and latching mechanisms.
- D. Selection Samples: For finish product specified, two complete sets of color chips representing manufacturer's full range of available colors.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inspect lockers upon receipt for visible damage.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Sequence deliveries to avoid project delays, but minimize on-site

storage.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Provide all lockers from a single manufacturer.

2.2 MATERIALS

A. Steel: Prime grade mild cold-rolled sheet steel free from surface imperfection, capable of taking a high-grade enamel finish.

1. Hooks: Zinc plated forged steel, ball ends.

2. Bolts and Nuts: Zinc plated truss fin head bolts, hex nuts and rivets.

2.3 STANDARD DUTY METAL LOCKERS

A. Standard Duty Metal Lockers:

1. Type of Lockers:

a. Double Tier:

1) Height: 78 inches (1981 mm).

2) Size: 12 inches (305 mm) wide by 18 inches (457 mm) deep.

2. Material: Steel parts shall be mild cold rolled commercial quality steel, ASTM A1008.

3. Finish: Steel surfaces shall be power washed, phosphate treated and finished with an electrostatically applied 2 mm thick hybrid epoxy/polyester powder coating and baked.

4. Construction: Lockers shall be built on a unitized principle with common intermediate uprights separating units.

5. Door Frames: 16 gauge formed in a channel shape. Vertical members shall have additional flange to provide a continuous door strike. Cross frame members; 16 gauge channel shaped.

a. Double Tier Lockers: Include intermediate cross frames.

6. Doors: 16 gauge with louvers, channel shaped on both the lock and hinge side, with angle formations across the top and bottom.

7. Body:

a. Bottoms: 16 gauge.

b. Tops, Sides, Backs and Shelves: 24 gauge.

c. Bolt spacing shall not exceed 9 inches (228 mm) o.c.

8. Hinges: Full length 16 gauge continuous piano type, riveted to both door and frame.

9. Handles: One-piece 20 gauge deep drawn stainless steel cup designed to accommodate locks.
10. Latching: Lifting trigger 14 gauge steel, attached to the latching channel. Trigger shall have a padlock eye for use with 9/32 inch (7 mm) diameter padlock shackle. Doors to have latch clip engaging frame at three points on doors over 42 inches (1.067 m) high and two points on all other doors. Locking device to be positive automatic type, whereby locker door may be locked when open, then closed without unlocking. A rubber silencer shall be firmly secured to the frame at each latch hook.
11. Interior Equipment:
 - a. Double Tier lockers shall have three wall hooks and one ceiling hook
12. Number Plates: Each locker shall have a polished aluminum number plate riveted to door face with black numerals 1/2 inch (12 mm) high.
13. Finish: Doors and exposed body parts shall be finished in a baked on powder coat finish in color indicated.
 - a. Color: Black #11.
14. Assembly: All locker components shall be fully welded, not riveted.

2.4 LOCKER ACCESSORIES

- A. Metal Locker Sloped Tops:
 1. Continuous slope top shall be 18 gauge sheet steel, powder coated to match the color of the lockers. Hoods are 72 inches (1.828 m) in length by depth of locker. For longer lengths, slip joints without visible fasteners at splice locations shall be provided. End closures shall be provided. The slope shall have a rise equal to 1/3 of the locker depth, plus a 1 inch (25 mm) vertical rise at the front.
- B. Metal Locker Bases:
 1. Base: Zee base shall be 14 gauge sheet steel, powder coated to match the color of the lockers.
- C. Metal Locker Fillers-Vertical: Fillers shall be 20 gauge sheet steel powder coated to match the color of the lockers.
 1. Filler Width: 6 inches (152 mm).

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates and bases have been properly prepared.
- B. If substrate and bases are the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 INSTALLATION

- A. Install lockers and accessories at locations shown in accordance with manufacturer's instructions.
- B. Install lockers level and plumb with flush surfaces and rigid attachment to anchoring surfaces.
- C. Anchor lockers to floor and wall at 48 inches (1.219 m) or less, as recommended by the manufacturer.
- D. Fasten adjoining locker units together to provide rigid installation.
- E. Install sloping tops and metal fillers using concealed fasteners. Provide flush hairline joints against adjacent surfaces.
- F. Install front bases between legs without overlap or exposed fasteners. Provide end bases on exposed ends.

3.3 ADJUSTING AND CLEANING

- A. Adjust doors and latches to operate without binding. Verify that latches are operating satisfactorily.
- B. Touch-up factory-finish and repair or replace damaged products before Substantial Completion.

3.4 PROTECTION

- A. Protect installed products until completion of project.

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