

SECTION 10 51 13**METAL LOCKERS****PART 1 - GENERAL****1.1 DESCRIPTION****A. Work Included:**

1. Furnish and install double tier and purse metal lockers and locker benches as shown on drawings.

B. Related Work Specified Elsewhere:

1. Section 04 20 00 - Unit Masonry

1.2 SUBMITTALS

Submit the following:

1. Materials list of items proposed to be provided in this Section.
2. Manufacturer's specifications and other data needed to prove compliance with the specified requirements.
3. Shop Drawings in sufficient detail to show fabrication, installation, anchorage and interface of the work of this Section with the work of adjacent trades.

PART 2 - PRODUCTS**2.1 MATERIALS**

A. Sheet steel: Prime, high grade Class 1 mild annealed, cold-rolled steel free from imperfections. Gauges given are minimum acceptable.

B. Bolts: Zinc plated or subjected to other rust retardant treatment.

2.2 FABRICATION AND MANUFACTURE**A. Workmanship:**

1. Deliver to site and location in undamaged condition.
2. Completed units shall be free from sharp corners, bolt ends and other projections, which can cause injury to clothing and persons.
3. All materials shall be free from buckle, scale and other imperfections and capable of taking a high grade enamel finish.

B. Doors:

1. One (1) piece 14 gauge steel with full length stiffener panel.
2. Formed channel reinforcement at hinge side, angle or channel reinforcement on other three (3) sides.
3. Accessible lockers shall have a decal with the international symbol of accessibility applied to the face of the locker door.

- C. Frames:
 - 1. 16 gauge steel formed channel or 7/8" x 7/8" x 1/8" angle.
 - 2. Corners welded.
- D. Locking Devices:
 - 1. Positive-automatic, pre-locking.
 - 2. Three point latching.
 - 3. Provide Rubber silencers at latch points.
 - 4. Recessed stainless steel lift type handle.
 - a. Handles for accessible lockers shall have a shape that is easy to grasp with one hand and does not require tight grasping, tight pinching or twisting of the wrist to operate.
 - 5. Grooved key pin tumbler locks.
- E. Vent Louvers: Manufacturer's standard louvers at top and bottom of doors.
- F. Hinges:
 - 1. 2" 16 gauge (.050") minimum five (5) knuckle, full loop tight pin riveted or welded to door frame and bolted to door with two (2) bolts.
 - 2. Door swing minimum 178 degrees.
 - 3. Double tier lockers: Three (3) per door or continuous piano type, 16 gauge (.050") riveted to both door and frame.
- G. Body:
 - 1. Locker sides, backs, tops, bottoms and shelves to be 24 gauge with necessary formation for rigid construction.
 - 2. All bolts zinc plated, spaced 12" o.c. maximum.
 - 3. Floors flush with bottom of locker.
 - 4. Tops and bottoms reinforced with flanges, four (4) sides.
- H. Base: Install on CMU Base furnished by Section 04 20 00.
- I. Provide all required filler and closure plates.
- J. Provide 24 gauge continuous sloping tops.
- K. Equipment:
 - 1. Hooks: Heavy-duty, ball pointed, aluminum or zinc plated. Single tier lockers less than 18" deep shall have one double prong ceiling hook and three single prong wall hooks. Hooks shall be attached with two bolts per hook.
- L. Number Plates:
 - 1. Polished Aluminum or chrome with black etched letters not less than 3/8" high.
 - 2. Number consecutively as directed.

- M. Finish: All parts shall be thoroughly cleaned before painting and given a bonding and rust inhibiting phosphate undercoat followed by electrostatically applied enamel. Finish shall then be baked at 300 degrees F. Color as selected by Architect from manufacturer's standard colors.
- N. Locker Benches:
 - 1. Bench Tops: 1-piece laminated maple units, minimum 9-1/2 inches wide x 1-1/4 inches thick, with rounded corners and edges, one coat of clear sealer on all surfaces, and one coat of clear lacquer on top and sides.
 - 2. Pedestals: 1-1/4 inch diameter steel tubing, with steel flanges at top and base. Provide no fewer than 2 pedestals for each bench, uniformly spaced not more than 72 inches apart.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install lockers on CMU base furnished by Section 04 20 00.
- B. Anchor lockers adjacent to walls with fasteners recommended by locker manufacturer and appropriate for wall type.
- D. Cut and fit all materials in neat, satisfactory manner as conditions require.
- E. Provide shims and wood blocking as required.

3.2 PLACEMENT OF ACCESSIBLE LOCKERS

Lockers shall be placed in a location along wall at minimum clear floor space of 30" x 48" with 10" minimum for door swing. The area in front of the locker must be clear within a 60" diameter turning circle to allow for unobstructed access.

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