

SECTION 10500 - METAL LOCKERS

PART 1- GENERAL

1.1 RELATED DOCUMENTS:

We suggest use of your standard office reference to drawing, general and special conditions, etc.

1.2 SCOPE:

Furnish and install new steel lockers, accessories and finish metal trim as shown or indicated on approved drawings. Concrete or masonry bases, wood furring, blocking or trim as may be required by drawings are included in other sections of this specification.

1.2.1 SUBMITTALS:

Shop Drawings: Submit drawings showing locker types, sizes and quantities, including all necessary details relating to anchoring, trim installation and relationship to adjacent surfaces.

Numbering: The locker numbering sequence shall be provided by the approving authority and noted on approved drawings returned to the locker contractor.

Color Charts: Provide color charts showing manufacturer's available colors. If required by normal office procedures or in the event of non-standard color selection, request samples of paint on metal.

Lock Combination Listings and Master Keys: Use only when combination locks are specified. Delivered directly to the owner's representative.

1.3 QUALITY ASSURANCE:

1.3.1 UNIFORMITY: Provide each type of metal locker as produced by a single manufacturer, including necessary accessories, fittings and fasteners.

1.3.2 JOB CONDITIONS: Do not deliver metal lockers until the building is enclosed and ready for locker installation. Protect from damage during delivery, handling, storage and installation.

PART 2- PRODUCTS

2.1 MANUFACTURER:

Republic Storage Products, LLC. Products by other manufacturers may be approved provided they meet the detailed specifications written below. Approval procedure shall be as specified in the General Conditions of these locker specifications.

2.2 LOCKERS:

Configuration:

Size:

Color:

No. of Locker Frames:

No. of Locker Openings:

2.3 FABRICATION - GENERAL

2.3.1 MATERIAL: All major steel parts shall be made of mild cold rolled steel A.S.T.M. A1008/A, free from imperfections and capable of taking a high grade powder coat finish.

-ALTERNATE: Specified locker components shall be manufactured from galvanized steel A.S.T.M. A653/A and capable of taking a high grade powder coat finish.

2.3.2 FINISH: Exposed steel parts shall be thoroughly cleaned, given a bonding and rust inhibitive phosphate treatment and then electrostatically sprayed with powder coat paint.

2.3.3 CONSTRUCTION: Lockers shall be built on the unit principle, each locker shall have an individual door and frame, an individual top, bottom, back and shelves with common intermediate uprights separating units. Assembly of all locker components shall be by riveting with a backup washer to provide shake-proof permanent fastening while still permitting fastener removal by drilling to allow future rearrangement of lockers or replacement of damaged parts.

-OPTION 1: Keps nuts and bolts may be used for assembly.

-OPTION 2: 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 Lock Compartment and/or Foot Locker are not welded into assembly.

2.3.4 FRAMES: Frames shall be 16 gauge steel formed into 1" wide face channel shapes with continuous stiffening members on both sides of the locker opening. Channel-shaped, 16 gauge top and bottom cross frame members shall be securely welded to vertical framing members to ensure a square and rigid assembly.

2.3.5 BODY: Locker body components shall be made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points. 16 gauge side uprights are perforated with diamond shaped openings 3/4" wide by 1 1/2" high for maximum ventilation. Diamond pattern shall be located between the foot locker and the clothes hooks. Solid steel sections shall occur at the locked compartment above the shelf and at the foot locker to provide closed compartments. Locker backs shall be 18 gauge steel with right angle flanges on each vertical side for stiffness, ease of assembly and corner rigidity (16 gauge backs with optional welded construction). Tops, bottoms, shelves and compartment dividers shall be 16 gauge steel, fully flanged on all sides for added stiffness. Shelves shall have an additional return flange on the front edge creating a channel shape to rigidize the impact surface. All locker components are finished in the same color.

2.3.6 INTERIOR EQUIPMENT: MVP Lockers shall be equipped with one full width shelf located a nominal 12 3/4" down from the top of the locker and having a 13 3/4" nominal depth. The locker shall be equipped with four single-prong clothes hooks, one mounted on each side and two mounted on the locker back. In addition, a coat rod shall be provided for the full width of the locker.

-ALTERNATE: Optional Foot Locker: The bottom portion of the locker shall have a full width, enclosed foot locker with a hinged lid that also serves as a built-in seat. The front panel of the foot locker shall be 14 gauge steel with right angle flanges on the two sides and bottom, which attach the panel to the locker frame. The front panel shall also have a channel shaped top flange, which supports the hinged seat/lid. The face of the front panel to be fully punched with mini-louvers on either side of a recessed opening that accepts a padlock hasp mounted on the hinged seat/lid.

The recessed opening shall contain 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 sides and rear, and channel-shaped flanges across the front. The seat front shall be further reinforced with a 16 gauge box formation running side to side on which are mounted four rubber bumpers that bear on the top channel of the front panel. An additional 16 gauge reinforcing angle shall be welded to the underside of the lid midway between the front box formation and the rear flange. 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.

-ALTERNATE: Optional Locked Compartment: Shall consist of a 16 gauge vertical partition extending from the 13 3/4" deep, full width shelf to the locker top, forming a security box on the left side of the shelf. Channel-shaped, 16 gauge framing members complete the door opening. The locked compartment door shall be 14 gauge steel with right angle flanges on all four sides. The door latch shall be a protruding padlock hasp and a stainless steel strike plate with an integral handle. The door shall be punched to accept built-in combination or key locks. The door shall also be equipped with two spring-loaded hinges to hold it closed for safety purposes.

2.3.7 NUMBER PLATES: Each locker shall have a polished aluminum number plate with black numerals not less than 1/2" high. Plates may be riveted to the shelf face with two rivets and on the bottom flange of the recessed foot locker front panel if required.

2.3.8 COLOR: Lockers shall be finished in colors selected from Republic's collection of premier powder coat colors.

-OPTION: Specifier may modify above paragraph if non-standard custom colors are selected.

PART 3- EXECUTION

3.1 INSTALLATION: Lockers must be installed in accordance with manufacturer's approved drawings and assembly instructions. Installation shall be level and plumb with flush surfaces and rigid attachment to anchoring surfaces.

Space fasteners at 36" O.C. or less as recommended by the manufacturer. Use fasteners appropriate to load and anchoring substratum. Use reinforcing plates wherever fasteners could distort metal.

Various trim accessories where shown, such as sloping tops, fillers, bases, recess trim, etc., shall be installed using concealed fasteners. Flush, hairline joints are provided at all abutting trim parts and at adjoining surfaces.

3.2 ADJUSTMENT: Upon completion of installation, inspect lockers and adjust as necessary for proper door and locking mechanism operation.

3.3 QUALITY ASSURANCE: Republic reserves the right to modify the design and/or change specifications or colors/finish consistent with our policy of product excellence.