

# REPUBLIC "QUIET" LOCKER SPECIFICATIONS

## SECTION 10500 - METAL LOCKERS

### PART 1- GENERAL

#### 1.1 RELATED DOCUMENTS:

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

#### 1.2 SCOPE:

Furnish and install new steel lockers, accessories and finish metal trim as shown or indicated on 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, quantities, including all necessary details relating to anchoring, trim installation and relationship to adjacent surfaces.

**Numbering:** The locker numbering sequence will 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. Request samples of paint on metal if required by normal office procedures or in the event of non-standard color selection.

**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 installation accessories, fittings and fasteners.

**1.3.2 JOB CONDITIONS:** Do not deliver metal lockers until 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 Systems Company, Inc. 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: (fill in as specified)

Corridor Locker Style: Quiet

Configuration (Tier):

Size:

Color:

No. of Locker Frames:

No. of Locker Openings:

## 2.3 FABRICATION

2.3.1 MATERIAL: All major steel parts shall be made of mild cold rolled steel, free from imperfections and capable of taking a high grade enamel finish.

-Alternate: Specified locker components shall be manufactured from Galvannealed steel and finished by manufacturer's standard process.

2.3.2 FINISH: Surfaces of the steel shall be thoroughly cleaned and phosphatized in a seven-stage process. All parts shall then be finished with a heavy coat of enamel baked on at 300 degrees for 30 minutes.

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.

2.3.4 DOOR FRAMES: Shall be 16 gauge formed into deep, 1" face channel shapes with a continuous vertical door strike integral with the frame on both sides of the door opening. Double, triple or four tier locker cross frame members shall be 16 gauge channel shaped securely welded to vertical framing members to ensure a square and rigid assembly.

2.3.5 DOORS: Doors shall be 16 gauge or 18 gauge steel for short or narrow doors as required by manufacturer's design, formed with a full channel shape on lock side to fully conceal the lock bar, channel formation on the hinge side and right angle formation across the top and bottom. Single tier doors 60" and 72" in height and 18" and wider shall have a diagonal reinforcing angle welded to the inner surface.  
Ventilation consists of full perimeter opening.

2.3.6 PRE-LOCKING DEVICE: All "tiered" lockers shall be equipped with a positive automatic pre-locking type, whereby the locker may be locked while door is open and then closed without unlocking and without damaging locking mechanism.

2.3.7 LATCHING: Latching shall be one-piece, pre-lubricated, spring steel latch completely contained within the lock bar under tension to provide rattle-free operation. The lock bar shall be securely contained in the door channel by self-lubricating polyethylene guides that isolate the lock bar from metal-to-metal contact with the door. There shall be three latching points for lockers over 42" in height and two latching points for all tiered lockers 42" and under in height. The lock bar travel is limited by contacting resilient elastomeric cushioning devices located inside the lock bar. Frame hooks to accept latching shall be of heavy gauge steel, set close in and welded to the frame. Continuous vertical door strike shall protect frame hooks from door slam damage. The impact caused by the door closing shall be absorbed by a soft rubber silencer which is to be securely installed on each frame hook.

2.3.8 HANDLES: A non-protruding 14 gauge lifting trigger and slide plate shall transfer the lifting force for actuating the lock bar when opening the door. The exposed portion of the lifting trigger shall be encased in a molded ABS thermoplastic cover that provides isolation from metal-to-metal contact and be contained in a formed 20 gauge stainless steel recessed pocket. This stainless steel pocket shall contain a recessed area for the various lock types available and a mounting area for the number plate.

2.3.9 HINGES: Hinges shall be 2" high, 5-knuckle, full loop, tight pin style, securely welded to frame and double riveted to the inside of the door flange. Locker doors 42" high and less shall have two hinges. Doors over 42" high shall have three hinges.

2.3.10 BODY: The body of the locker shall consist of 24 gauge upright sheets, backs, tops, bottoms and shelves. Tops, bottoms and shelves shall be flanged on all four sides; backs are flanged on two sides. Uprights shall be offset at the front and flanged at the rear to provide a double lapped rear corner.

2.3.11 INTERIOR EQUIPMENT: Single-tier lockers over 42" high shall have one hat/book shelf. Other tiered lockers do not require shelves. All single, double and triple tier lockers shall have one double prong back hook (single prong in 9" width) and two single prong wall hooks in each compartment. All hooks shall be made of steel, formed with ball points, zinc-plated and attached with two bolts or rivets. Lockers under 20" high are not equipped with hooks.

2.3.12 NUMBER PLATES: Each locker shall have a polished aluminum number plate with black numerals not less than 1/2" high. Plates shall be attached with rivets to the lower surface within the recessed handle pocket.

2.3.13 COLOR: Doors and exposed body parts shall be finished in colors selected from Republic's collection of twenty-five colors. Non-exposed body parts shall be finished in #83 Decorator Tan.

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

2.3.14 ASSEMBLY: Assembly of all locker components shall be accomplished by the use of zinc plated, low round head, slotless, fin neck machine screws with hex nuts, producing a strong mechanical connection.

-Option: Keps nut and bolts, or rivets may be used for assembly.

## PART 3- EXECUTION

### 3.1 INSTALLATION:

Lockers must be installed in accordance with manufacturer's approved drawings. Installation to be level and plumb with flush surfaces and rigid attachment to anchoring surfaces. Space fasteners at 36" O.C. or less as recommended by manufacturer. Use fasteners appropriate to load and anchoring substratum. Use reinforcing plates to be used 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 shall be 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. Touch up scratches and abrasions with factory supplied paint to match original finish.

### 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.

NOTE: For use safety all Republic lockers must be secured to the wall and/or floor prior to use.