

ADA Lockers meets the requirements Quiet Locker Specifications with ADA Modifications



Handle

ADA states that door hardware "...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." Republic's recessed handle meets the requirement and must be specified for single, double or triple tier lockers.

Shelf and bottom location

If the accessible locker is to have a shelf, it must be at a height conforming to parallel or forward reach requirements so it may be reached from a seated position. In addition to the upper shelf requirement, the bottom of the locker must have a shelf located at a height conforming to parallel or forward reach requirements so that any item placed or dropped on the bottom shelf is accessible.

Placement of the locker

The locker must be located in an unobstructed position that maintains full clearance from the wall or other obstacles and allows a sufficient turning radius for easy access and exit by parallel or frontal approach.

Section 10500 - Metal Lockers

The following specification for Quiet Lockers has been modified to conform to the ADA guidelines. The modifications can also be applied to any Republic locker with a recessed handle.

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: 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 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, 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 specifications.

2.2 LOCKERS:

Configuration:

- Single Tier Double Tier
 Triple Tier Four Tier Duplex
 Double Door

Size:

Color:

No. of Locker Frames:

No. of Locker Openings:



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2.3 FABRICATION - GENERAL:

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 baked enamel or powder coat finish.

2.3.2 FINISH: Surfaces of the steel shall be thoroughly cleaned, phosphatized and prepared for baked enamel or powder coat finish in accordance with paint manufacturer's instructions.

2.3.3 CONSTRUCTION: Lockers shall be built on the unit principle - each locker shall have an individual door and frame, individual top, bottom, back and shelves with common intermediate uprights separating compartments. Assembly fasteners shall be zinc plated, low round head, slotless, fin neck machine screws with hex nuts. Bolt or rivet heads shall not be exposed on faces of doors or frames.

2.3.4 DOOR FRAMES: Door frames shall be 16 gauge formed into 1" wide 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. Intermediate cross frame members are not required on box lockers.

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 formations across the top and bottom. Single tier doors 60" and 72" in height and 18" or wider shall have a diagonal reinforcing angle welded to the inner surface. A decal with the international symbol of accessibility shall be applied to the face of the locker door.

2.3.6 LOCKING DEVICE: All tiered lockers shall be equipped with a positive automatic pre-locking type, whereby 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 a one-piece, pre-lubricated, spring steel latch completely contained within the lock bar under tension to provide a rattle-free operation. The lock bar shall be of pre-painted, double-channel steel construction. 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 concealed inside the lock bar.

2.3.8 RECESSED HANDLE: A non-protruding 14 gauge lifting trigger and slide plate 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. This stainless steel pocket shall contain a recessed area for the various lock types 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" 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 are 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:

Parallel Reach Requirement - All single tier lockers shall have a hat/book shelf and coat hooks located no more than 48" off the finished floor. One additional shelf shall be placed near the bottom of the locker so that it is no lower than 15" above the finished floor.

Forward Reach Requirement - All single tier lockers shall have a hat/book shelf and coat hooks located no more than 48" off the finished floor. One additional shelf shall be placed near the bottom of the locker so that it is no lower than 15" above the finished floor.

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. Locker openings under 20" 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 PLACEMENT OF LOCKER: Locker shall be placed in a location at least 24" away from any wall or other obstacle and have a

minimum clear floor space of 30"x48" with a 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.

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

-ALTERNATE: Doors and exposed body parts shall be finished in colors selected from Republic's collection of nine powder coat colors. Non-exposed body parts shall be finished in #83 Decorator Tan (baked enamel).

-ALTERNATE: Entire locker shall be finished in colors selected from Republic's collection of nine powder coat colors.

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

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

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 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, recessed 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.

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

