



## Overview

Available in 1, 2 and 6 tier models. Similar to standard Penco All-Welded lockers, except that for extra strength these lockers have 3/4" x 3/4" 18 gauge steel stiffening tubes welded into the junctions of door frames and sides, sides to backs, sides to tops and bottoms. Doors are 14 gauge, and 1 and 2 tier doors have stainless steel recessed handles and multi-point latching. Bottoms and perforated sides and perforated intermediate partitions are 14 gauge. Accepts built-in locks or padlocks.

## Materials

**SHEET STEEL:** All parts made from prime grade mild cold rolled sheet steel free from surface imperfection, and capable of taking a high grade enamel finish.

**FINISHING:** Chemically pre-treat metal with a six stage cleaning phosphatizing and metal preparation process. Finish coat shall be powder coat or hot airless electrostatically applied enamel baked on at 350 to 400 degrees. Select color from manufacturer's standard colors. All lockers shall be painted inside and outside with the same color as standard.

## Fabrication, General

**CONSTRUCTION:** Fabricate lockers square, rigid and without warp. Metal faces shall be flat and free of distortion. Lockers shall be pre-assembled of welded construction and all welds shall be free of burrs. Grouping shall be the most practical that conforms to the job requirement. No bolts, nuts or rivets shall be allowed in the assembly of main locker groups. Each locker group shall be securely welded into a one-piece structure.

**FRAMING SYSTEM:** Framing system consists of 3/4" inch 18 gauge tubing members integrated with the 14 gauge formed members in the bottom. The framing system provides a fully framed construction in X and Y planes of the locker. Vertical frame members extend through the base interlocking the vertical panels with the base. Frame members are MIG welded together.

**SIDES & INTERMEDIATE PARTITIONS:** Vertical tubing frame members to be MIG welded to sides and partitions to become an integral part of the framing system. Standard sides and partitions are 14 gauge

with diamond-shaped perforations. Optional solid partitions and sides are 16 gauge.

**DOOR FRAME:** A 16 gauge channel formation wraps around the tubular reinforcement of the locker side or intermediate partition. The door frame shall be formed to provide a continuous door strike. Two-tier lockers shall have intermediate 16 gauge channel shaped horizontal frame members attached to the side frames with mortise and tenon construction, and securely welded. Intermediate frames shall consist of two 16 gauge frame channels securely welded together.

**TOPS:** Shall be fabricated from 16 gauge steel sheet notched and formed. Each group of lockers shall have one continuous flat top.

**BOTTOMS:** Shall be fabricated from 14 gauge steel sheet with formed box structural members in the edges that are parallel with the doors. Each group of lockers shall have one continuous bottom suitable for anchoring to wood or concrete bases.

**SHELVES:** Shall be 16 gauge, flanged on four sides with an additional return flange on the front edge to increase strength.

**BACKS:** Shall be solid 18 gauge cold rolled steel in one piece for groups to 48" wide. Groups over 48" wide shall have two piece backs.

**DOORS:** Doors 20" or higher shall be formed from one piece 14 gauge cold rolled sheet steel. Formations shall consist of a full channel shape on the lock side of adequate depth to fully conceal the lock bar, a channel formation on the hinge side, and right angle formations across the top and bottom. Doors over 15" wide and over 30" high shall have a 3" wide 20 gauge full height heavy duty reinforcing pan welded to the inside face of the door on 6" centers. Doors for box lockers 6 tiers high shall be 14 gauge steel and have channel formations on lock side and hinge side and have right angle flanges on the top and bottom.

### **DOOR HANDLE & LATCHING FOR 1 & 2 TIER:**

Handles shall be recessed in the door and be finger lift control. The 20 gauge drawn pocket shall be brushed stainless steel securely fastened to the door with two tabs plus a positive tamper resistant decorative fastener. The pocket shall be of sufficient depth to prevent a

**Specifications Continued on Back**

## PROTOUGH™ ALL-WELDED FULLY FRAMED MULTI POINT LATCH (MPL) LOCKER SPECIFICATIONS

### Specifications Continued from Front

combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. A lock hole cover plate shall be provided for use with padlocks. The lifting piece shall be 14 gauge formed steel, attached to the latching channel with one concealed retaining lug and one rivet assuring a positive two-point connection. Handle finger lift shall have a padlock eye for use with a 9/32" diameter padlock shackle. It shall have a sound deadening molded comfortable finger lift attached. Doors to have latch clip engaging the door frame at three points on 60" and 72" high and two points on 20" through 36" high doors. Locking device to be positive, automatic type, whereby locker door may be locked when open, then closed without unlocking. One rubber silencer shall be firmly secured in the frame at each heavy gauge latch hook. Latch clips shall be glass filled nylon for long life and low friction and shall hold doors shut by engaging the latch hooks. Latch hooks on diamond-perforated lockers shall have tamper guards.

**1 and 2 Tier Cremone Latching Option:** Handle shall be a heavy duty turn handle that engages the door frame on three sides. The top and bottom frames are engaged with 3/8" steel rods, and a 1/8" thick center latch engages at the side.

**DOOR HANDLE & LATCHING FOR 6 TIER:** Doors shall be punched for use with padlocks or built-in locks. Doors for use with padlocks shall be equipped with an 18 gauge combination door pull, staple and lock hole cover plate with integral friction catch.

**VENTILATION:** All sides, intermediate partitions and doors 20" or higher shall be perforated with diamond-shaped openings 3/4" wide x 1-1/2" high in a quantity and pattern to insure maximum ventilation and maintain structural strength. Other doors shall have small diamond-shaped perforations 7/16" wide x 15/16" high.

**NUMBER PLATES:** Each locker door to be supplied with a polished aluminum number plate, 2-1/4" wide x 1" high, with black numerals not less than 3/8" high. Number plates shall be attached to the face of the door with two aluminum rivets.

**HINGES:** 16 gauge continuous type hinge riveted to the frame and the door for the full height of the door.

**INTERIOR EQUIPMENT:** Single tier lockers 48-1/2" or higher shall have one hat shelf located approximately 9" down from the top of the locker. Lockers 20" or more in height and 12" or 15" wide shall have one double-prong ceiling hook and two single-prong wall hooks. Lockers over 15" wide shall have a double-prong ceiling

hook and four single-prong wall hooks. All coat hooks shall be forged steel with ball ends, zinc plated.

### Locker Accessories

Lockers shall be furnished with the accessories selected from the list below:

**CONTINUOUS METAL BASE:** If required base shall be 4" high, 16 gauge, and integral with locker bottom.

For additional accessories see Accessory Specifications.

**VENTILATION:** If specified, all perforations may be deleted. If deleted, louvers may be added to the doors.

**DOOR VENTILATION:** Delete diamond perforations in the doors and substitute with standard louvers, or mini louvers which shall be 5/8" wide x 1/4" high. Louvers shall be placed in doors in manufacturer's standard pattern.

### Execution

**INSTALLATION:** Install metal lockers at location shown in accordance with manufacturer's instructions for plumb, level, and flush installation.

Anchor lockers to the floor and wall 48" on center or less as recommended by the manufacturer.

Install sloping hoods and metal fillers using concealed fasteners. Provide flush hairline joints against adjacent surfaces.

Install benches by fastening bench tops to pedestals and securely anchoring to the floor using appropriate anchors for the floor material.

**ADJUST & CLEAN:** Adjust doors and latches to operate without binding. Verify that latches are operating satisfactorily.

Touch up marred finishes with factory-supplied paint.

### ACCEPTABLE MANUFACTURERS:

1. Penco Products, Inc., Oaks, PA – ProTough All-Welded Fully Framed Multi Point Latch Lockers

PENCO RESERVES THE RIGHT TO VARY SPECIFICATIONS CONSISTENT WITH ITS POLICY OF CONTINUOUS PRODUCT IMPROVEMENT.

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