

# ProTough<sup>®</sup>

## Welded Locker With Tubular Frame



### Penco ProTough Steel Lockers

These are snapshot specifications for quick reference and product selection. Full 3-part specifications with expanded product information are available to download at [www.pencoproducts.com](http://www.pencoproducts.com) and may include updates as a result of Penco's continuous product improvement initiatives.

At a Glance...

- Unique "roll cage" tubular steel welded construction
- Double pan door standard with single point latch option
- Cremona style handle available on 1 and 2 tier models
- Extra heavy duty 14 ga. bottoms and sides



### SNAPSHOT SPECIFICATIONS

#### PART 1 – GENERAL

##### 1.01 SECTION INCLUDES

Heavy Duty Welded Lockers

##### 1.02 REFERENCES

ADAAG - Americans with Disabilities Act, Accessibility Guidelines.

##### 1.03 SUBMITTALS

Submit under provisions of Section 01 33 00. Shop Drawings shall show dimensioned plans, elevations, and sections.

##### 1.04 DELIVERY, STORAGE, AND HANDLING

Store products in manufacturer's unopened packaging until ready for installation to protect the locker finish and adjacent surfaces from damage.

#### PART 2 – PRODUCTS

##### 2.01 MANUFACTURER

Penco Products, Inc. or approved equal based upon ability to provide product compliant with specifications of the product selected. Provide only metal lockers fabricated in the United States by a single domestic manufacturer.

##### 2.02 MATERIALS

**Steel:** All Penco standard lockers are constructed using prime grade mild cold-rolled sheet steel free from surface imperfection meeting ASTM A1008

and capable of taking a high-grade enamel powder coat finish. Alternate material: Sheet steel components shall be fabricated using zinc-coated steel meeting ASTM A879 and finished in the same manner. Forged steel coat hooks with balled ends and truss fin head bolts and hex nuts will be zinc coated and supplied for all lockers unless otherwise indicated.

##### 2.03 HEAVY DUTY LOCKERS

**Acceptable Product:** Penco ProTough Welded lockers. Tops and Shelves shall be 16 gauge. Backs shall be 18 gauge. Locker doors, bottoms and perforated sides shall be 14 gauge.

**Framing:** Consists of 3/4 inch (19 mm) 18 gauge square tubing members integrated with the 14 gauge formed members in the bottom that 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.

Intermediate cross frame members are standard on double and triple tier lockers.

**Multi-Point Latch Doors:** One piece sheet steel with full channel formation of adequate depth to fully conceal lock bar on lock side, channel formation on hinge side, right angle formations across

top and bottom, with holes for attaching number plates. Doors over 15 inches wide by 60 inches or 72 inches high will include a 3 inch wide 20 gauge full height reinforcing pan welded to inside face of door at 6 inch centers.

**Ventilation:** 14 gauge doors and locker sides have standard 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamond-shaped perforations. Doors less than 20 inches tall have 7/16 inch (11 mm) wide by 15/16 inch (24 mm) high diamond-shaped perforations.

**Hinges:** Continuous type: 16 gauge piano hinge measuring full height of door. Welded to door and attached to locker frame using steel rivets.

##### 2.04 DOOR HANDLES AND LATCHING

**1, 2 and 3 Tier Featuring Multi-Point Latching:** Classic III Multi-point latching with recessed handle activated by a 14 gauge finger-lift control handle in a 22 gauge drawn and brushed stainless steel pocket fastened to the door with two tabs and a positive tamper-resistant decorative fastener. Depth shall be sufficient to prevent a standard combination padlock, built-in combination lock, or key lock from protruding beyond door face. Nylon lift trigger accommodates use of 9/32 inch padlock. Doors over 48 inches high shall use glass-filled nylon clips to engage



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**SNAPSHOT SPECIFICATIONS (continued)**

the door frame and hold the door shut at three points. All other doors engage at two points.

**Locking Device:** Positive, automatic type, whereby locker may be locked when open, then closed without unlocking. Firmly secure one rubber silencer in frame at each latch hook.

**Alternate Handle 1, 2 and 3 Tier**

**Lockers:** Cremona Latching: 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 inch (9.5 mm) steel rods, and a 1/8 inch (3 mm) thick center latch engages at the side. Double door configurations shall consist of a left hinged door secured its full length by the right hinged door when latched. Handle assembly shall be secured to door using a threaded lock nut to facilitate adjustment and removal for repair if necessary. Welded handle assemblies shall not be accepted.

**Box Lockers:** Punch doors for use with padlocks or built-in locks. Equip doors for use with padlocks with an 18 gauge combination door pull, staple, and lock hole cover plate with integral friction catch.

**2.05 INTERIOR EQUIPMENT**

**ADA-Compliant Lockers:** Single lockers: Hat shelf 48 inches from locker bottom or lower as required by base condition. Locker Bottom: Minimum of 9 inches off the floor, or an extra shelf placed 9 inches off the floor for side access or minimum of 15 inches off the floor for front access.

**2.06 FABRICATION**

Pre-assemble lockers by welding into one piece structures in groupings most practical for job requirements, welds free of burrs; maximum width of group to be 54 inches (1.371 m); no bolts, nuts, or rivets allowed in assembly of main locker groups. Bottoms: 14 gauge steel

**Finish:** High quality powder coat paint

finish applied in strict adherence to paint manufacturer's specifications to provide optimum appearance and performance. Finishes releasing VOCs are not acceptable. Standard coating thickness is 1 mil dry film thickness minimum. Powder Coat Plus option increases thickness to 2 mil minimum. Colors as selected from manufacturer's standard colors. All locker body components shall match color of door and frame.

**Alternative Finishes:** Custom color match, Anti Graffiti, antimicrobial, TGIC and high performance finishes are available.

**PART 3 - EXECUTION**

**3.01 EXAMINATION**

Do not begin installation until substrates and bases have been properly prepared. If substrate and bases are the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

**3.02 INSTALLATION**

Install metal lockers and accessories at locations shown in accordance with manufacturer's instructions. Install lockers plumb, level, and square. Anchor lockers to floor and wall at intervals recommended by the manufacturer. Bolt adjoining locker units together to provide rigid installation.

**3.03 ADJUSTING**

Adjust doors and latches to operate without binding. Verify that latches are operating satisfactorily. Adjust built-in locks to prevent binding of dial or key and ensure smooth operation prior to substantial completion.

Touch-up with factory-supplied paint and repair or replace damaged products before substantial completion.

**3.04 PROTECTION**

Protect installed products until completion of project.

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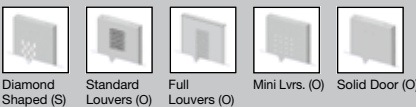


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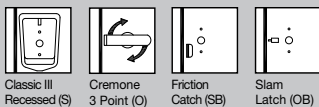
Full product-specific 3-part specs to your documents!

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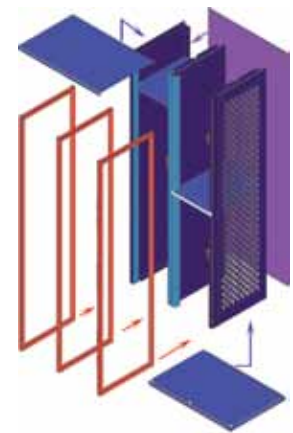
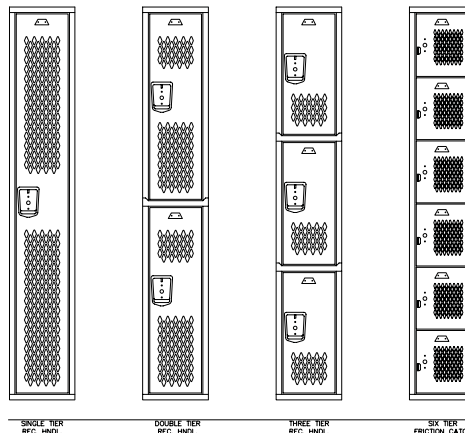
**Ventilation Options**



**Door Handle Options**



S = Standard O = Optional SB = Std. on Box Lockers OB = Optional on Box Lockers



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