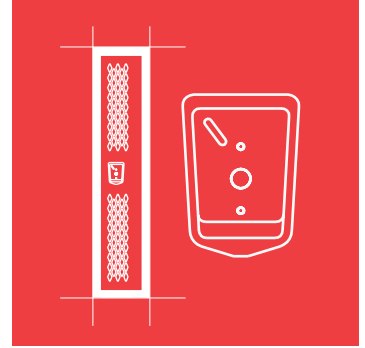


Angle Iron

Defiant™ II Single Point Latch (SPL)



Penco Angle Iron Defiant II SPL

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 and may include updates as a result of Penco's continuous product improvement initiatives.

At a Glance...

- Welded angle frame lockers with Single Point Latch
- Single Point Latch with integrated door pull and Anti-Pry Lug
- 14 ga. doors with continuous hinge



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 Angle Iron Defiant II Welded lockers. Tops, Bottoms and Shelves shall be fabricated from 16 gauge and backs from 18 gauge sheet steel. Locker doors shall be 14 gauge.

Framing: Consists of continuous 1 inch (25.5 mm) by 1 inch (25.5 mm) by 1/8 inch (3 mm) pickled angle iron steel. Frame members are welded. Intermediate cross frame members are standard on double and triple tier lockers.

Single Point Latch Doors: One piece sheet steel with full channel formation on lock side, channel formation on hinge side, right angle formations across top and bottom, with holes for attaching number plates. All doors up to 18 inches wide and 20 inches or higher will include a 3.5 inch wide 18 gauge vertical reinforcing pan welded to the hinge side flange, top and bottom angle formations, and inner face of door. Doors over 18

inches wide by 20 inches or higher will include a full width, partial height horizontal 18 gauge pan concealing the rear of the recessed pocket and welded on all 4 sides.

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.

Alternate Ventilation: Solid 16 gauge sides. 13 gauge flattened expanded metal.

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

Alternate Hinge: 3 inch five-knuckle 14 gauge fast pin heavy duty butt hinges welded to frame and door.

2.04 DOOR HANDLES AND LATCHING
1, 2 and 3 Tier Featuring Single Point Latching: Defiant II single point latching with recessed 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-

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SNAPSHOT SPECIFICATIONS (continued)

in combination lock, or key lock from protruding beyond door face.

Locking Device: 11 gauge steel hasp welded to locker frame; include surface for engaging the horizontal bolt of a built-in combination or key lock and anti-pry lug and slot to deter prying open when locked. Firmly secure rubber silencers to locker frame.

Alternate Locking Device: 11 gauge steel hasp welded to locker frame; include surface for secure wrap around vertical engagement by a built-in rotary-type lock to deter prying open when locked. Hasp must be adaptable to common horizontal throw locker lock and padlock use. Firmly secure rubber silencers to locker frame.

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: Formed of steel sheet; one continuous bottom for each group of lockers with front to back 16 gauge steel spacer channel welded to locker bottom when integral 4" bases are not used.

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

Refer to Angle Iron Snapshot Spec's for Elevations showing Door Configurations

The Single Point

The Defiant II Single Point Latch (SPL) for Angle Iron lockers is for those desiring a heavy gauge door offering improved security with the low maintenance inherent in a door with no moving parts.

Each door has a patented deep drawn stainless steel pocket handle with an integral door pull. The doors can be locked with a conventional padlock, using the padlock staple protruding through the recessed handle (recommended) or with a built-in lock.



Vertical Pan



Horizontal Pan



Bracket Support. Braces the hasp against the locker side panel for greater tamper resistance.



Anti-Pry Lug. Defeats prying attempts by capturing the door flange and preventing separation from the door channel.

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