

# Vanguard™

## Knocked-Down Steel Locker



### Penco Vanguard 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...

- General purpose economy storage
- Knocked Down Construction
- 16 ga. doors (18 ga if less than 12" wide)
- Powder Coat Finish



### SNAPSHOT SPECIFICATIONS

#### PART 1 – GENERAL

##### 1.01 SECTION INCLUDES

Standard Duty Knocked Down 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 STANDARD DUTY LOCKERS

**Acceptable Product:** Penco Vanguard, knock-down lockers. Tops, Bottoms, Backs, Sides, and Shelves fabricated from 24 gauge sheet steel. Locker doors measuring less than 12 inches wide are 18 gauge steel. All others are fabricated from 16 gauge sheet steel. 6 inch legs are standard and can be deleted as a no cost option.

**Door Frame:** Channel shape, not less than 16 gauge steel. Provide vertical door frame members with additional 3/8 inch (9.5 mm) flange as a continuous door strike. 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.

**Box Lockers:** One piece sheet steel with channel formations on lock and hinge sides, right angle flanges on top and bottom; pre-punch doors for padlock latch and friction catch and built-in combination and key locks.

**Ventilation:** Provide louvered doors in manufacturer's standard louver pattern.

**Hinges:** Two inch high, double spun, full loop, tight pin, projection welded to door frame and securely fastened to the door with steel rivets. Provide three 2 inch five-knuckle hinges on doors over 48 inches high and two 2 inch high five-knuckle hinges on all other doors.

##### 2.04 DOOR HANDLES AND LATCHING

**Two Person and Duplex Lockers, 1, 2 and 3 Tier featuring multi-point latching:** Chrome-plated zinc alloy die-cast case and handle attached to latch bar concealed inside door and tamperproof. Pulling handle out shall move latch bar up and open door in one motion and providing for use of 9/32 inch diameter padlock, integral with handle and located so that extension of handle forms padlock strike. Doors over 48 inches high shall use glass-filled

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**SNAPSHOT SPECIFICATIONS (continued)**

nylon clips to engage 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:** 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.

**Box Lockers (3 to 6 Tier):** Punch doors for use with padlocks or built-in locks and configure 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 (Recessed Handles with Multi-Point Latch):** 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.

**2.07 FABRICATION**  
Fabrication shall be on the unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves, with common intermediate divisions separating compartments.

**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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**Ventilation Options**

Standard Louvers (S) Full Louvers (O) Mini Louvers (O) Visual Perf (O)

**Door Handle Options**

Die-Cast Vanguard Handle (S) Classic III Recessed (O) Friction Catch (SB)

S = Standard, O = Optional, SB = Standard on Box Lockers

