



## STORAGE PRODUCTS

PENCO'S FULL LINE OF STORAGE PRODUCTS



**Material Handling USA**

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<https://www.mh-usa.com/>

[Sales@MaterialHandling-USA.com](mailto:Sales@MaterialHandling-USA.com)



## About Penco

The need for storage products is universal and Penco has a broad selection of solutions to fill that need. In doing so, Penco has become one of America's largest and most trusted suppliers of storage and work-area products. With state-of-the-art US manufacturing facilities and QuickShip Distribution Centers strategically located throughout the United States and Canada, Penco is positioned to best serve your needs.

Market sectors served by Penco include educational, healthcare, and government facilities, as well as offices, manufacturing companies, distribution warehouses, retail outlets, sports arenas and community parks.

Shelving and pallet rack products are popular with warehousing and manufacturing applications, ranging from a few units to multi-level and high rise applications.

Lockers are widely used in educational facilities, fitness centers, healthcare, military, emergency response, commercial and industrial locations.

### Penco's History

In 1869, a man named L. Lewis Sagendorph fulfilled his ambition to begin his own company that would produce the finest metal products in America. He called his fledgling business the Penn Metal Corporation of Pennsylvania, and began by making steel culvert pipe on Oregon Avenue in South Philadelphia.



Over the years, Penn Metal's product lines broadened to include lockers, shelving and even aircraft landing mats. A reputation for quality fabrication spread, and the company's influence became nationwide. In the 1950's, the name was shortened to Penco Products and the plant and offices were expanded to a modern facility in Oaks, Pennsylvania, near Valley Forge.

In 2001, the manufacturing facility was moved from Oaks to a 475,000 square foot manufacturing facility in Hamilton, North Carolina, allowing significant room for expansion. In 2013, the corporate headquarters was moved from Skippack, Pennsylvania to Greenville, North Carolina.

Headquarters in Greenville, NC



### Customer Service

Penco's Customer Service staff is a customer friendly, knowledgeable team that is dedicated to excellence in service delivery and communication. The team is based at Penco's Greenville, NC headquarters.

Our goal is to provide professional, courteous, timely and accurate service to every customer in a fair, consistent and accessible manner. Penco's distributor partners and customers are our number one priority and focus.

[pencoproducts.com](http://pencoproducts.com) | 800.562.1000

### LEEDS Environmental Information

- Based upon the most recent information from our source mills, the recycled content of our steel lockers can range from 25% to over 50%. Because the percentage of recycled content may vary from project to project based on a number of variables, please contact our offices for detailed information on your specific requirement.
- Powder coating drastically reduces waste through high efficiency application & recovery methods.
- Penco's powder coat paint contains no solvents and as a result releases no Volatile Organic Compounds (VOC's) normally associated with wet paint processes.
- Our packaging contains at least 20% post-consumer recycled content.
- Approximately 34% of the U.S. population lives within a 500 mile radius of our manufacturing facility, requiring less fuel to ship our products to many destinations.



★ Mfg. Plant

## Shelving

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Ask for Penco's Erectomatic Shelving catalog

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### Locker Program

4 STRATEGIC LOCATIONS



Penco Products leads the industry with its comprehensive QuickShip program. Penco's QuickShip Distribution Centers have been strategically located throughout North America to best serve customer needs with prompt delivery of products from the shortest distance possible. Penco's QuickShip program saves time, delivery cost and energy, thus reducing the impact on our environment.

Visit [pencoproducts.com/penco-programs/quickship](http://pencoproducts.com/penco-programs/quickship) for a listing of which products are available at each warehouse location shown.



### GREENGUARD

All products manufactured by Penco Products are GREENGUARD Gold Certified through UL Environment's GREENGUARD Certification Program. This certification signifies that Penco's products are in compliance with the stringent chemical emissions guidelines set by UL Environment.

Accredited courses are available to design professionals and fulfill credit requirements for AIA, GBCI, IDCEC. Contact a Penco Sales Manager for more information.

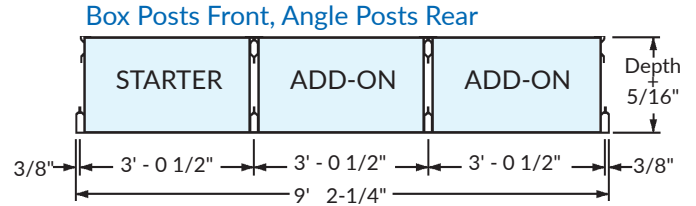
## Defined

### Clipper Hi-Performance Shelving Systems

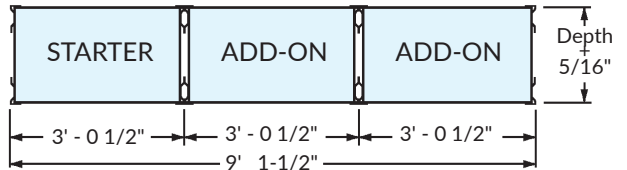
At the heart of the Clipper Shelving System is the ingenious Penco Clipper Clip. It is easily installed, holds the shelf firmly in place, can be repositioned at any time, and actually helps make the shelving more rigid.

Clipper Shelving features Hi-Performance® Box Beam Shelves, which offer an exceptional strength to weight ratio. Clipper Shelving offers a wide variety of sizes and capacities too. This gives you the flexibility to provide top quality storage for a simple back room area up to a sophisticated multi-level or high-rise application.

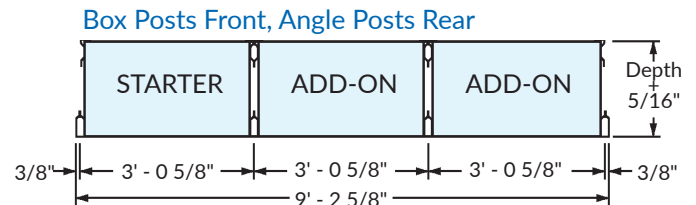
Growth with Penco Hi-Performance® Shelves



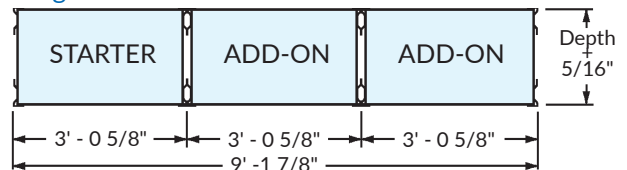
**Angle Posts Front & Rear**



Growth with Clipper Conventional Flange Shelves



**Angle Posts Front & Rear**



All dimensions are theoretical subject to manufacturing tolerances.

### How to Order Clipper Units

Virtually all shelving storage needs may be satisfied by ordering standard shelving units as illustrated on the following pages. These units are shipped KD with all required components, shelf clips, hardware and assembly instructions.

### Choice of Post Arrangements

Penco standard shelving units employ box posts at front and offset angle posts at rear for each section. Other post assembly plans may be employed using offset angle posts at front and rear, when ordered as individual component parts.

### Growth Dimension Considerations

To determine the overall dimension of a continuous row of shelving employing box and angle posts, refer to detail drawings below.

#### To order standard 87" high units:

1. Determine the shelving type desired (open, closed or ledge)
2. Determine shelf width and depth.
3. Order by catalog number as many basic units as required to form a continuous row of shelving.
4. Order by catalog number one ending kit to end each row.
5. Select the appropriate accessories for your application.

**Clipper Growth Chart**  
(With box posts at front, angle posts at rear)

| No. of Units In a Row | 36" Wide Sections | 42" Wide Sections | 48" Wide Sections |
|-----------------------|-------------------|-------------------|-------------------|
| 1                     | 3' 1-3/8"         | 3' 7-3/8"         | 4' 1-3/8"         |
| 2                     | 6' 2"             | 7' 2"             | 8' 2"             |
| 3                     | 9' 2-5/8"         | 10' 8-5/8"        | 12' 2-5/8"        |
| 4                     | 12' 3-1/4"        | 14' 3-1/4"        | 16' 3-1/4"        |
| 5                     | 15' 3-7/8"        | 17' 9-7/8"        | 20' 3-7/8"        |
| 6                     | 18' 4-1/2"        | 21' 4-1/2"        | 24' 4-1/2"        |
| 7                     | 21' 5-1/8"        | 24' 11-1/8"       | 28' 5-1/8"        |
| 8                     | 24' 5-3/4"        | 28' 5-3/4"        | 32' 5-3/4"        |
| 9                     | 27' 6-3/8"        | 32' 0-3/8"        | 36' 6-3/8"        |
| 10                    | 30' 7"            | 35' 7"            | 40' 7"            |
| 11                    | 33' 7-5/8"        | 39' 1-5/8"        | 44' 7-5/8"        |
| 12                    | 36' 8-1/4"        | 42' 8-1/4"        | 48' 8-1/4"        |
| 13                    | 39' 8-7/8"        | 46' 2-7/8"        | 52' 8-7/8"        |
| 14                    | 42' 9-1/2"        | 49' 9-1/2"        | 56' 9-1/2"        |
| 15                    | 45' 10-1/8"       | 53' 4-1/8"        | 60' 10-1/8"       |
| 16                    | 48' 10-3/4"       | 56' 10-3/4"       | 64' 10-3/4"       |
| 17                    | 51' 11-3/8"       | 60' 5-3/8"        | 68' 11-3/8"       |
| 18                    | 55' 0"            | 64' 0"            | 73' 0"            |
| 19                    | 58' 0-5/8"        | 67' 6-5/8"        | 77' 0-5/8"        |
| 20                    | 61' 1-1/4"        | 71' 1-1/4"        | 81' 1-1/4"        |

## Open Shelving Units

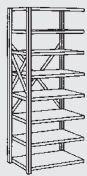
### Open Type Shelving

Open type shelving is the basic and most economical shelving design for general purpose use. Backs and sides are open, except that sections are stabilized by sway braces.

For convenient ordering, 36 different open configurations of Basic Units are shown below with their respective End Kits. The completed units below utilize Heavy Duty Hi-Performance® Shelves with box posts at front and offset angle posts at rear. Label holders are not included. Refer to page 4 for ordering instructions.

Many other configurations can be designed from the component parts and accessories on the following pages.

#### Basic Unit



- 1 Box Post
- 2 Angle Posts
- 1 Set Side Braces
- 1 Set Back Sway Braces
- Shelves
- Hardware

#### End Kit



- 1 Box Post
- 1 Set Side Braces
- Hardware



**CLIPPER**  
SHELVING

### Clipper Open Units

| Unit Width     | Unit Depth | Unit Height | Capacity Per Shelf** | 5 Shelf Basic Cat. No. | 6 Shelf Basic Cat. No. | 7 Shelf Basic Cat. No. | 8 Shelf Basic Cat. No. | End Kit Cat. No. |
|----------------|------------|-------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------|
| 36" Wide Units | 12"        | 87"         | 800 lb               | 1H7015                 | 1H7016                 | 1H7017                 | 1H7018                 | 101287           |
|                | 18"        | 87"         | 850 lb               | 1H7025                 | 1H7026                 | 1H7027                 | 1H7028                 | 101887           |
|                | 24"        | 87"         | 800 lb               | 1H7035                 | 1H7036                 | 1H7037                 | 1H7038                 | 102487           |
| 42" Wide Units | 12"        | 87"         | 600 lb               | 1H7045                 | 1H7046                 | 1H7047                 | 1H7048                 | 101287           |
|                | 18"        | 87"         | 600 lb               | 1H7055                 | 1H7056                 | 1H7057                 | 1H7058                 | 101887           |
|                | 24"        | 87"         | 600 lb               | 1H7065                 | 1H7066                 | 1H7067                 | 1H7068                 | 102487           |
| 48" Wide Units | 12"        | 87"         | 500 lb               | 1H7075                 | 1H7076                 | 1H7077                 | 1H7078                 | 101287           |
|                | 18"        | 87"         | 500 lb               | 1H7085                 | 1H7086                 | 1H7087                 | 1H7088                 | 101887           |
|                | 24"        | 87"         | 530 lb               | 1H7095                 | 1H7096                 | 1H7097                 | 1H7098                 | 102487           |

\*\* For Evenly Distributed Load

## Closed Shelving Units



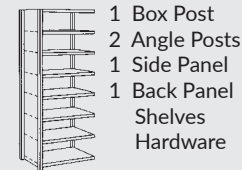
### Closed Type Shelving

Closed type shelving units are covered on three sides with steel panels to provide stability, protection and to promote cleanliness of stored items. Optional locking doors may be added for greater security.

The 36 configurations shown below with their respective End Kits employ Heavy Duty Hi-Performance® shelves with box posts at the front and offset angle posts at the rear. **Label holders and closed front bases are not included and must be ordered separately.**

Refer to page 4 for ordering instructions. Many other configurations can be designed from the component parts and accessories on the following pages.

#### Basic Unit



- 1 Box Post
- 2 Angle Posts
- 1 Side Panel
- 1 Back Panel
- Shelves
- Hardware

#### End Kit



- 1 Box Post
- 1 Side Panel
- Hardware

### Clipper Closed Units

| Unit Width     | Unit Depth | Unit Height | Capacity Per Shelf** | 5 Shelf Basic Cat. No. | 6 Shelf Basic Cat. No. | 7 Shelf Basic Cat. No. | 8 Shelf Basic Cat. No. | End Kit Cat. No. |
|----------------|------------|-------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------|
| 36" Wide Units | 12"        | 87"         | 800 lb               | 1H8015                 | 1H8016                 | 1H8017                 | 1H8018                 | 1C1287           |
|                | 18"        | 87"         | 850 lb               | 1H8025                 | 1H8026                 | 1H8027                 | 1H8028                 | 1C1887           |
|                | 24"        | 87"         | 800 lb               | 1H8035                 | 1H8036                 | 1H8037                 | 1H8038                 | 1C2487           |
| 42" Wide Units | 12"        | 87"         | 600 lb               | 1H8045                 | 1H8046                 | 1H8047                 | 1H8048                 | 1C1287           |
|                | 18"        | 87"         | 600 lb               | 1H8055                 | 1H8056                 | 1H8057                 | 1H8058                 | 1C1887           |
|                | 24"        | 87"         | 600 lb               | 1H8065                 | 1H8066                 | 1H8067                 | 1H8068                 | 1C2487           |
| 48" Wide Units | 12"        | 87"         | 500 lb               | 1H8075                 | 1H8076                 | 1H8077                 | 1H8078                 | 1C1287           |
|                | 18"        | 87"         | 500 lb               | 1H8085                 | 1H8086                 | 1H8087                 | 1H8088                 | 1C1887           |
|                | 24"        | 87"         | 530 lb               | 1H8095                 | 1H8096                 | 1H8097                 | 1H8098                 | 1C2487           |

Front Bases must be ordered separately.

## 36" Wide Bin Units

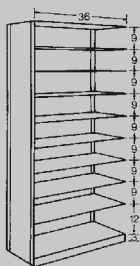

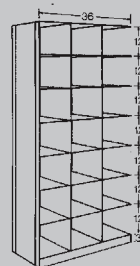
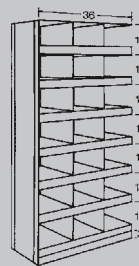

Clipper Shelving Bin Units are closed units with Heavy Duty Hi-Performance shelves, in various quantities, plus dividers and bin fronts as required. Offset angle posts are used at the rear of each unit, and box posts at the front. Order one End Kit to finish a unit or row of units. **Front bases are included. Label holders must be ordered separately.** This and the following page catalog 36" & 48" wide units, but many other configurations are possible by ordering component parts.

**NOTE:** Bin widths are nominal. They are measured from the hole centers on the shelves, not the vertical bead of the dividers.

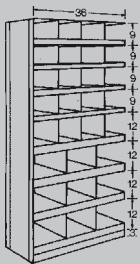
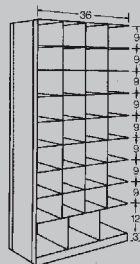
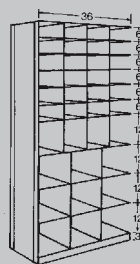
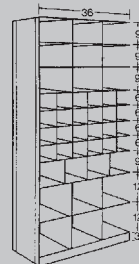

**CLIPPER**  
SHELVING



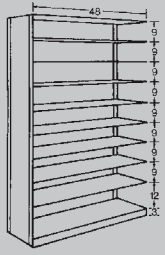
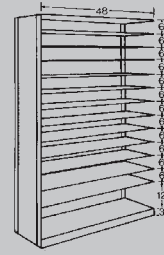
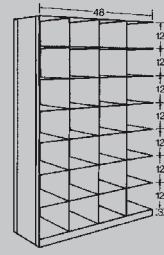
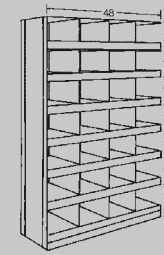

### 36" Wide Clipper Bin Units

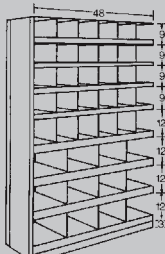
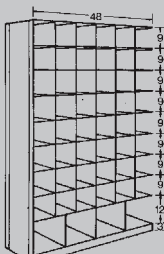
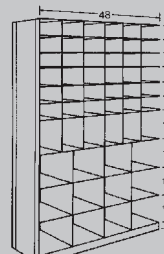
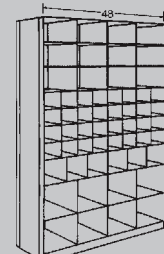

| Unit Depth | Unit Height | 9 Openings<br>8 @ 36" x 9"<br>1 @ 36" x 12"  | 13 Openings<br>12 @ 36" x 9"<br>1 @ 36" x 12"   | 21 Openings<br>21 @ 12" x 12"   | 21 Openings<br>21 @ 12" x 12"<br>7 - 3" Bin Fronts  | End Kit   |
|------------|-------------|--|---|---|---|---|
|            |             | <br>9 Openings<br>Cat. No. | <br>13 Openings<br>Cat. No. | <br>21 Openings<br>Cat. No. | <br>21 Openings<br>3" Bin Fronts Cat. No. | <br>End Kit<br>Cat. No. |
| 12"        | 87"         | 1H6109   | 1H6113  | 1H6121  | 1H6621  | 1C1287  |
| 18"        | 87"         | 1H6209   | 1H6213  | 1H6221  | 1H6521  | 1C1887  |
| 24"        | 87"         | 1H6309   | 1H6313  | 1H6321  | 1H6421  | 1C2487  |

### 36" Wide Clipper Bin Units

| Unit Depth | Unit Height | 29 Openings<br>16 @ 9" x 9"<br>4 @ 9" x 12"<br>9 @ 12" x 12"<br>8 - 3" Bin Fronts                              | 35 Openings<br>32 @ 9" x 9"<br>3 @ 12" x 12"   | 37 Openings<br>24 @ 9" x 6"<br>4 @ 9" x 12"<br>9 @ 12" x 12"   | 43 Openings<br>24 @ 6" x 6"<br>9 @ 12" x 9"<br>4 @ 9" x 9"<br>6 @ 12" x 12"  | End Kit  |
|------------|-------------|--|--|--|--|--|
|            |             | <br>29 Openings<br>Cat. No. | <br>35 Openings<br>Cat. No. | <br>37 Openings<br>Cat. No. | <br>43 Openings<br>3" Bin Fronts Cat. No. | <br>End Kit<br>Cat. No. |
| 12"        | 87"         | 1H6129   | 1H6135   | 1H6137   | 1H6143   | 1C1287   |
| 18"        | 87"         | 1H6229   | 1H6235   | 1H6237   | 1H6243   | 1C1887   |
| 24"        | 87"         | 1H6329   | 1H6335   | 1H6337   | 1H6343   | 1C2487   |

## 48" Wide Bin Units

| 48" Wide Clipper Bin Units |             |   |   |   |   |   |
|----------------------------|-------------|---|---|---|---|---|
|                            |             | 9 Openings<br>8 @ 48" x 9"<br>1 @ 48" x 12"                                       | 13 Openings<br>12 @ 48" x 6"<br>1 @ 48" x 12"                                     | 28 Openings<br>28 @ 12" x 12"   | 28 Openings<br>28 @ 12" x 12"<br>7 - 3" Bin Fronts                                  | End Kit   |
|                            |             |  |  |  |  |  |
| Unit Depth                 | Unit Height | 9 Openings<br>Cat. No.  | 13 Openings<br>Cat. No.   | 28 Openings<br>Cat. No.   | 28 Openings<br>3" Bin Fronts<br>Cat. No.  | End Kit<br>Cat. No.   |
| 12"                        | 87"         | 1H6409  | 1H6413  | 1H6428  | 1H6328  | 1C1287  |
| 18"                        | 87"         | 1H6509  | 1H6513  | 1H6528  | 1H6228  | 1C1887  |
| 24"                        | 87"         | 1H6609  | 1H6613  | 1H6628  | 1H6128  | 1C2487  |

| 48" Wide Clipper Bin Units |             |   |   |   |   |   |
|----------------------------|-------------|---|---|---|---|---|
|                            |             | 42 Openings<br>16 @ 7-1/2" x 9"<br>8 @ 9" x 9"<br>4 @ 7-1/2" x 12"<br>2 @ 9" x 12"<br>12 @ 12" x 12"<br>8 - 3" Bin Fronts | 52 Openings<br>32 @ 7-1/2" x 9"<br>16 @ 9" x 9"<br>4 @ 12" x 12"                    | 54 Openings<br>24 @ 7-1/2" x 6"<br>12 @ 9" x 6"<br>4 @ 7-1/2" x 12"<br>2 @ 9" x 12"<br>12 @ 12" x 12" | 58 Openings<br>32 @ 6" x 6"<br>12 @ 12" x 9"<br>4 @ 7-1/2" x 9"<br>2 @ 9" x 9"<br>8 @ 12" x 12" | End Kit   |
|                            |             |                                        |  |                    |            |  |
| Unit Depth                 | Unit Height | 42 Openings<br>3" Bin Fronts<br>Cat. No.  | 52 Openings<br>Cat. No.   | 54 Openings<br>Cat. No.   | 58 Openings<br>Cat. No.   | End Kit<br>Cat. No.   |
| 12"                        | 87"         | 1H6442  | 1H6452  | 1H6454  | 1H6458  | 1C1287  |
| 18"                        | 87"         | 1H6542  | 1H6552  | 1H6554  | 1H6558  | 1C1887  |
| 24"                        | 87"         | 1H6642  | 1H6652  | 1H6654  | 1H6658  | 1C2487  |





## Ledge and Counter Units

### Ledge Units

Ledge type shelving is recommended where greater depth of the lower compartment is desired, and a convenient working height surface ledge is required. Seven Heavy Duty Hi-Performance® shelves are included plus a heavy gauge ledge top with a reinforcing pan welded to the bottom for extra strength. This provides a total of seven openings.

The units are available in open or closed construction and may be equipped with standard shelving accessories, including locking doors at the top and bottom. Units are 36" wide, 12" deep at the top, and 24" deep at the bottom. Overall height is 87"; the ledge top is 39" high.

The End Kit includes 2 ledge top finishing strips to provide a finished appearance at the sides of the ledge top. Order one End Kit to finish each single unit, or row of units.

### Counter Units

Penco steel counters present an extremely clean, classic appearance for over the counter or stock-room use. A smooth, extra heavy gauge reinforced counter top provides an excellent work surface. Three standard Heavy Duty Hi-Performance® Clipper shelves, adjustable on 1" centers, are used below. Units have box posts at all four corners and closed front bases.

The top is designed to butt against adjacent tops when more than one unit is used in a row for a continuous flush surface. One End Kit is required for each single unit, or to end a row of units. Two counter top finishing strips are included with each End Kit, to extend the top beyond the end and provide a finished appearance.

Counter Tops and Fronts may be purchased as separate components. Note that they may be used only when box posts are used at front and rear of unit.



Open Unit with End Kit



Closed Unit with End Kit

Front Bases are included with Closed Ledge Units.

| Ledge Units       |                           |                           |               |                  |
|-------------------|---------------------------|---------------------------|---------------|------------------|
| Unit Width        | Unit Depth                | Unit Height               | Unit Cat. No. | End Kit Cat. No. |
| Open Type Units   |                           |                           |               |                  |
| 36"               | 12" (Top)<br>24" (Bottom) | 48" (Top)<br>39" (Bottom) | 1H432L        | 19433E           |
| Closed Type Units |                           |                           |               |                  |
| 36"               | 12" (Top)<br>24" (Bottom) | 48" (Top)<br>39" (Bottom) | 1H434L        | 19435E           |



Front and rear views of 2 1H122C Basic Units plus 1 19125E End Kit

| Counter Units       |            |             |               |                  |
|---------------------|------------|-------------|---------------|------------------|
| Unit Width          | Unit Depth | Unit Height | Unit Cat. No. | End Kit Cat. No. |
| Complete Units      |            |             |               |                  |
| 36"                 | 24"        | 39"         | 1H122C        | 19125E           |
| 42"                 | 24"        | 39"         | 1H123C        | 19125E           |
| 48"                 | 24"        | 39"         | 1H124C        | 19125E           |
| Counter Tops Only   |            |             |               |                  |
| 36"                 | 24"        | -           | 13670H        | -                |
| 42"                 | 24"        | -           | 13680H        | -                |
| 48"                 | 24"        | -           | 13690H        | -                |
| Counter Fronts Only |            |             |               |                  |
| 36"                 | -          | 39"         | 13870H        | -                |
| 42"                 | -          | 39"         | 13880H        | -                |
| 48"                 | -          | 39"         | 13890H        | -                |

## Special Purpose Units

### Artwork Shelving

This efficient unit serves the need for storing, organizing and protecting artwork. It is a basic piece of storage equipment wherever artwork is maintained. The unit has 18 openings, each with a 26-3/4" clear vertical opening. The unit includes closed back, sides and base, four Hi-Performance® shelves and 15 dividers. Dividers adjust easily on 1-1/2" centers. Can be accessorized with lockable doors. Order End Kit to finish each unit or row.

Shown in Light Putty (723) enamel.



### Open Shelf Filing Record Storage

A space-saving efficient unit designed for filing a variety of records in a safe, organized, easily accessible system. Special tabbed dividers insert into the shelf and special back bracket for divider stability. They adjust easily on alternate 1" and 2" centers. The unit features closed sides and base. A special bracket at each shelf level is pierced to accept one tab of the divider. Order End Kit to finish a unit or a row.

Shown in Light Putty (723) enamel.



| Artwork Shelving |            |             |                |                 |               |                  |
|------------------|------------|-------------|----------------|-----------------|---------------|------------------|
| Unit Width       | Unit Depth | Unit Height | No. of Shelves | No. of Dividers | Unit Cat. No. | End Kit Cat. No. |
| 36"              | 24"        | 87"         | 4              | 15              | 1H6700        | 1C2487           |

| Open Shelf Filing Record Storage |            |             |                |                 |               |                  |
|----------------------------------|------------|-------------|----------------|-----------------|---------------|------------------|
| Unit Width                       | Unit Depth | Unit Height | No. of Shelves | No. of Dividers | Unit Cat. No. | End Kit Cat. No. |
| 36"                              | 12"        | 87"         | 8              | 35              | 176709        | 1C1287           |

### X-Ray Shelving

An efficient, practical storage unit with a broad application throughout the healthcare industry for the protective storage of X-ray. The unit features Heavy Duty Hi-Performance shelves, closed back, sides, and base. 25 dividers are furnished in two sizes which adjust easily on 1-1/2" centers. The dividers attach to the shelf with strong plastic buttons. Order End Kit to finish each unit or row.

Shown in Light Putty (723) enamel.

Refer to opening sizes in chart below.



### Plan Shelving

Designed with the engineer, draftsman or architect in mind, this unit allows plans and drawings to be stored either rolled or flat. This unit provides 64 openings 6" x 36" x 6" for rolled storage and 9 openings 48" x 36" x 4" for flat storage. Unit includes Heavy Duty Hi-Performance shelves, closed back, sides and base. Can be accessorized with lockable doors. Order End Kit to finish each row.

Shown in Light Putty (723) enamel.



| X-Ray Shelving |            |             |                |                 |               |                  |
|----------------|------------|-------------|----------------|-----------------|---------------|------------------|
| Unit Width     | Unit Depth | Unit Height | No. of Shelves | No. of Dividers | Unit Cat. No. | End Kit Cat. No. |
| 36"            | 18"        | 87"         | 6              | 25              | 1H6705        | 1C1887           |

| Plan Shelving |            |             |                |                 |               |                  |
|---------------|------------|-------------|----------------|-----------------|---------------|------------------|
| Unit Width    | Unit Depth | Unit Height | No. of Shelves | No. of Dividers | Unit Cat. No. | End Kit Cat. No. |
| 48"           | 36"        | 87"         | 18             | 56              | 1H6659        | 1C3687           |

| Divider Quantities |                |                 |                      |
|--------------------|----------------|-----------------|----------------------|
| Unit Depth         | Divider Height | No. of Dividers | Clear Opening Height |
| 18"                | 16"            | 15              | 14-13/16"            |
| 18"                | 18"            | 10              | 16-13/16"            |

## Shelving Components

### Box Posts

A high strength roll formed tubular box section usually used at unit fronts; permits full access to shelf width. Designed to be used in common between units, or at row ends. Permits vertical shelf adjustment on 1" centers using clips or nuts & bolts. Internal flange is punched on 3" centers to accept side sway bracing or closed side panels.

### Offset Angle Posts

A roll formed high strength post which permits 1" vertical shelf adjustment using clips or nuts & bolts. Can be used at rear of units, or at front and rear. Offset recess adds rigidity and allows for independent shelf clip adjustment. Ends of flanges are punched on 3" centers to accept sway braces or closed panels.

### Closed Upright Assemblies

Steel End or Intermediate Panels are used to close the sides of 87" tall shelving units and are securely welded to posts for rigidity.

### Small Components

**A & B. Clipper Clips** - One piece 14 gauge compression clip for box and offset angle posts to hold shelf securely. A. For Hi-Performance Shelves; B. For Standard Flange Shelves.

**C. Post Splice** - Used to join Box or Angle posts for high-rise or multi-level shelving applications.

**D. Floor Anchor Clip (Foot Plate)** Punched for fastening posts to floor. Bolts to post.

**E. Floor Protector** - To distribute unit load and protect floor. For box and angle posts. Not for use on high-rise or multi-level shelving.

**F. Anchors** - For securing shelving posts to a concrete floor when Floor Anchor Clips are used. Use the longer anchor #9281 in seismic zones higher than 2A.

**G. Heavy Duty Foot Plate** - For box, single or double angle posts in high seismic areas.



### Small Components

| Letter | Unit Description                                | Cat. No. |
|--------|---|----------|
| A      | Clipper Clip (Hi-Performance)                   | 10002Z   |
| B      | Clipper Clip (Standard Flange)                  | 100001Z  |
| C      | Post Splice                                     | 10030H   |
| D      | Floor Anchor Clip, 3-1/2" x 2-7/8"              | 10006Z   |
| -      | Shim for "D", 3-1/2" x 2-7/8", 11 Gauge         | 10011    |
| E      | Floor Protector, 1-3/4" x 2-5/8"                | 10007Z   |
| F      | Anchor, 3/8" x 2-1/4"                           | 9280     |
|        | Anchor, 3/8" x 3-3/4"                           | 9281     |
| G      | Foot Plate, Heavy Duty, 5-1/2" x 2-3/8", 7 Ga.  | 1ACX322H |
| -      | Shim, Hvy. Duty for "G", 5-1/2" x 2-3/8", 7 Ga. | 1ACX330  |



| Box Posts   |                   |                   |
|-------------|-------------------|-------------------|
| Unit Height | 14 Gauge Cat. No. | 16 Gauge Cat. No. |
| 39"         | 1B4039C           | -                 |
| 48"         | 1B4048C           | -                 |
| 75"         | 1B4075C           | -                 |
| 87"         | 1B4087C           | 1B6087C           |
| 99"         | 1B4099C           | -                 |
| 123"        | 1B4123C           | -                 |
| 147"        | 1B4147C           | -                 |



| Offset Angle Posts |                   |                   |
|--------------------|-------------------|-------------------|
| Unit Height        | 14 Gauge Cat. No. | 16 Gauge Cat. No. |
| 39"                | 1A4039C           | -                 |
| 48"                | 1A4048C           | -                 |
| 75"                | 1A4075C           | -                 |
| 87"                | 1A4087C           | 1A6087C           |
| 99"                | 1A4099C           | -                 |
| 123"               | 1A4123C           | -                 |
| 147"               | 1A4147C           | -                 |

### 14 Gauge Clipper Post Capacities (Pounds)

| Unbraced Length (Max. Space Between Shelves) | Box Post Capacity | Single Angle Capacity | Double Angle Capacity (Bolted on 12" Centers) |
|--|-------------------|-----------------------|---|
| 9"   | 6740 lb           | 3760 lb               | 8270 lb                                       |
| 12"  | 6450 lb           | 3490 lb               | 7670 lb                                       |
| 15"  | 6070 lb           | 3130 lb               | 6880 lb                                       |
| 18"  | 5630 lb           | 2700 lb               | 5940 lb                                       |
| 21"  | 5090 lb           | 2180 lb               | 4790 lb                                       |
| 24"  | 4480 lb           | 1680 lb               | 4460 lb                                       |

### Closed Upright Assemblies

| Unit Depth                               | Unit Height | Cat. No. |
|--|-------------|----------|
| Box Post                                 |             |          |
| 1 Box Post, 1 Angle Post, 1 Side Panel   |             |          |
| 12"                                      | 87"         | 15412CC  |
| 18"                                      | 87"         | 15418CC  |
| 24"                                      | 87"         | 15424CC  |
| Offset Angle Post                        |             |          |
| 2 Offset Angles, 1 Side Panel            |             |          |
| 12"                                      | 87"         | 15412AC  |
| 18"                                      | 87"         | 15418AC  |
| 24"                                      | 87"         | 15424AC  |
| Box Post Intermediate                    |             |          |
| 1 Box Post, 2 Offset Posts, 1 Side Panel |             |          |
| 12"                                      | 87"         | 15412BC  |
| 18"                                      | 87"         | 15418BC  |
| 24"                                      | 87"         | 15424BC  |

## Shelving Components



### For Open Construction Sway Braces (A & B)

Sway braces provide stability for Open Type shelving. They are furnished in sets of two braces to fasten to one back or side of a unit. Hardware included.

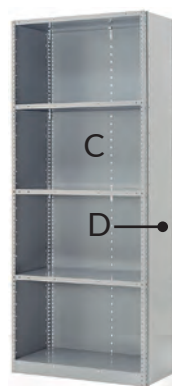
Back sway braces (A.) eliminate lateral sway. They fasten to the flanges of offset angle posts used at the rear of units. Braces also bolt to each other at the center hole to ease installation.

Side sway braces (B.) eliminate front to back sway. They fasten to the flanges of the front and rear posts.



| Sway Braces |                  |            |            |                      |          |
|-------------|------------------|------------|------------|----------------------|----------|
| Letter Code | Description      | Unit Width | Unit Depth | Overall Piece Length | Cat. No. |
| A           | Back Sway Braces | 24"        | -          | 45"                  | 12045A   |
|             |                  | 30"        | -          | 50"                  | 12050A   |
|             |                  | 36"        | -          | 50-3/4"              | 12036H   |
|             |                  | 42"        | -          | 57-1/8"              | 12042H   |
|             |                  | 48"        | -          | 65-1/2"              | 12048H   |
| B           | Side Sway Braces | -          | 9"         | 11"                  | 12011S   |
|             |                  | -          | 12"        | 15"                  | 12015S   |
|             |                  | -          | 15"        | 19"                  | 12019S   |
|             |                  | -          | 18"        | 26"                  | 12026S   |
|             |                  | -          | 24"        | 34"                  | 12034S   |
|             |                  | -          | 30"        | 45"                  | 12045S   |
|             |                  | -          | 32"        | 46-1/4"              | 12046S   |
|             |                  | -          | 36"        | 49"                  | 12049S   |

| Back and Side Panels |             |             |             |            |            |            |            |            |            |
|----------------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|------------|
| Letter Code          | Description | Shelf Width | Shelf Depth | 39" Height | 48" Height | 51" Height | 75" Height | 87" Height | 99" Height |
| C                    | Back Panels | 24"         | -           | -          | -          | -          | -          | 12340H     | -          |
|                      |             | 30"         | -           | -          | -          | -          | -          | 12440H     | -          |
|                      |             | 36"         | -           | 12500H     | -          | 12510H     | 12530H     | 12540H     | 12550H     |
|                      |             | 42"         | -           | 12600H     | -          | 12610H     | 12630H     | 12640H     | 12650H     |
|                      |             | 48"         | -           | 12700H     | -          | 12710H     | 12730H     | 12740H     | 12750H     |
| D                    | Side Panels | -           | 9"          | -          | -          | -          | -          | 11340H     | -          |
|                      |             | -           | 12"         | 11400H     | 11409H     | 11410H     | 11430H     | 11440H     | 11450H     |
|                      |             | -           | 15"         | -          | -          | -          | -          | 11540H     | -          |
|                      |             | -           | 18"         | 11600H     | 11609H     | 11610H     | 11630H     | 11640H     | 11650H     |
|                      |             | -           | 24"         | 11700H     | -          | 11710H     | 11730H     | 11740H     | 11750H     |
|                      |             | -           | 30"         | 11800H     | -          | -          | -          | 11840H     | 11850H     |
|                      |             | -           | 36"         | 11900H     | -          | -          | 11930H     | 11940H     | 11950H     |



### For Closed Construction Back and Side Panels (C & D)

Panels to enclose the backs and sides of Closed Type Shelving provide unit stability while giving greater protection to the shelving contents.

Back panels (C.) bolt to the flanges of offset angle posts at the rear of units. The center of the back is held tight against a shelf with a "back panel clip" furnished with each back. Common backs may be used when

units are placed back-to-back, provided that units are securely bolted together.

Backs 36" wide are furnished in one piece through 87" high. Over 87" high, they are split horizontally (2 pieces). 42" & 48" wide backs are furnished in one piece through 51" high; above 51" they are split horizontally (2 pieces). Hardware included.

Side panels (D.) fasten to the flanges in the front and rear posts. Furnished in one piece through 87" high. As an alternate to side panels, you may order Closed Upright Assemblies (shown on the previous page) which combine posts and side panels in one welded unit.



## Hi-Performance® Shelves



Clipper Hi-Performance® Shelves maximize load handling capacity through a design which shapes the front and rear flanges into rigid tubular box beams. The box

shape provides two vertical surfaces in each box-flange that inherently give it a high strength-to-weight ratio. Additional reinforcing bars or angles are not used with Hi-Performance shelves. Reinforcing options for Class 3 shelves are shown at right.

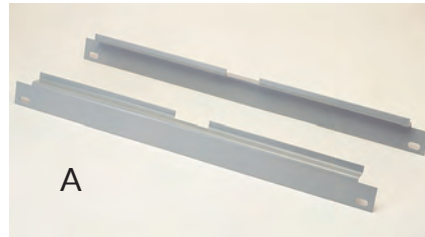
The shelves are efficiently manufactured from high strength cold rolled steel on a modern automated roll forming mill.

For additional strength, front and rear flanges are welded to the underside of the shelf on 3" centers. Shelf corners are lapped and welded.

Shelves are available in a wide variety of sizes shown below in the capacity chart. All shelves are punched on 1.5" centers to accept shelving accessories such as dividers, label holders and bin fronts.

### A. Class 3 Side Shelf Support (pairs)

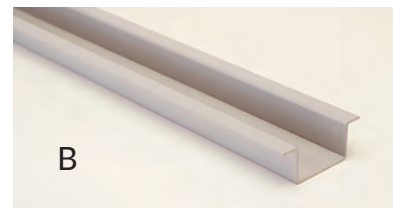
Used to support Center Support in Class 3 applications.



| Class 3 Side Shelf Support |          |
|----------------------------|----------|
| Unit Depth                 | Cat. No. |
| 18"                        | 1H830H   |
| 24"                        | 1H840H   |
| 30"                        | 1H850H   |
| 36"                        | 1H860H   |

### B. Class 3 Center Support

Runs left to right beneath the mid-point of the shelf for conversion to Class 3. Supported by side shelf supports.



| Class 3 Center Support |          |
|------------------------|----------|
| Unit Width             | Cat. No. |
| 36"                    | H13736C  |
| 42"                    | H13742C  |
| 48"                    | H13748C  |

## Clipper Hi-Performance® Shelf Capacities



Class 1  
Heavy Duty  
High Strength Steel



Class 2  
Extra Heavy Duty  
High Strength Steel



Class 3  
Extra Heavy Duty  
With Reinforcing\*

| Unit Width | Unit Depth | Cat. No.  | Capacity | Cat. No.  | Capacity | Capacity |
|------------|------------|-----------|----------|-----------|----------|----------|
| 36"        | 12"        | 1H203612C | 800 lb   | 1H183612C | 1100 lb  | -        |
|            | 15"        | 1H203615C | 800 lb   | 1H183615C | 1100 lb  | -        |
|            | 18"        | 1H203618C | 850 lb   | 1H183618C | 1200 lb  | 2000 lb  |
|            | 24"        | 1H203624C | 800 lb   | 1H183624C | 1250 lb  | 2000 lb  |
|            | 30"        | 1H203630C | 500 lb   | 1H183630C | 900 lb   | 2000 lb  |
|            | 36"        | 1H203636C | 500 lb   | 1H183636C | 900 lb   | 2000 lb  |
| 42"        | 12"        | 1H204212C | 600 lb   | 1H184212C | 1100 lb  | -        |
|            | 15"        | 1H204215C | 600 lb   | 1H184215C | 1100 lb  | -        |
|            | 18"        | 1H204218C | 600 lb   | 1H184218C | 1050 lb  | 1600 lb  |
|            | 24"        | 1H204224C | 600 lb   | 1H184224C | 900 lb   | 1600 lb  |
|            | 30"        | 1H204230C | 625 lb   | 1H184230C | 1000 lb  | 1600 lb  |
|            | 32"        | 1H204232C | 525 lb   | 1H184232C | 950 lb   | 1600 lb  |
|            | 36"        | 1H204236C | 475 lb   | 1H184236C | 900 lb   | 1600 lb  |
| 48"        | 12"        | 1H204812C | 500 lb   | 1H184812C | 750 lb   | -        |
|            | 15"        | 1H204815C | 500 lb   | 1H184815C | 850 lb   | -        |
|            | 18"        | 1H204818C | 500 lb   | 1H184818C | 900 lb   | 1200 lb  |
|            | 24"        | 1H204824C | 500 lb   | 1H184824C | 900 lb   | 1200 lb  |
|            | 30"        | 1H204830C | 500 lb   | 1H184830C | 750 lb   | 1200 lb  |
|            | 36"        | 1H204836C | 500 lb   | 1H184836C | 750 lb   | 1200 lb  |

\* Class 3 Capacities are based upon the use of Extra Heavy Duty Shelves with (A) Side Shelf Supports and (B) Center Support for additional capacity. Must use nuts and bolts for shelves, not clips. All shelves are supplied with Clipper Clips. All shelf load capacities are in pounds for evenly distributed loads, and include a safety factor of 1.65.

## Conventional Flange Shelves



Clipper Conventional Flange Shelves are fabricated from 18 gauge cold rolled steel. All sides of the shelf are double flanged for added strength. The corners are lapped and welded for positive reinforcement. Shelves secure to posts with Penco's unique compression Clipper clip, or can be bolted. Shelves are punched for divider placement on alternating 1" and 2" centers. Reinforcing options are shown at right.

All shelves are supplied with Clipper Clips. Nuts and bolts may be substituted upon request. All capacities are for safe static loads distributed uniformly over the entire shelf surface as determined by test. Refer all "Pass Thru" or other unusual conditions to Penco Engineering for their evaluation.

Class 0 - For Normal Loads. No additional reinforcement.

Class 1-B - For Normal Loads requiring impact resistance. A standard Class 0 Shelf with the addition of a 1" x 1/8" reinforcing bar in the front flange.

Class 2-B - For Medium Loads. Same as Class 1-B with the addition of a reinforcing bar in the rear flange.

Class 2-A - For Medium to Heavy Loads. A standard Class 0 shelf with the addition of field installed 1" x 1" x 1/8" reinforcing angles in front and rear flanges.

### A. Reinforcing Bar

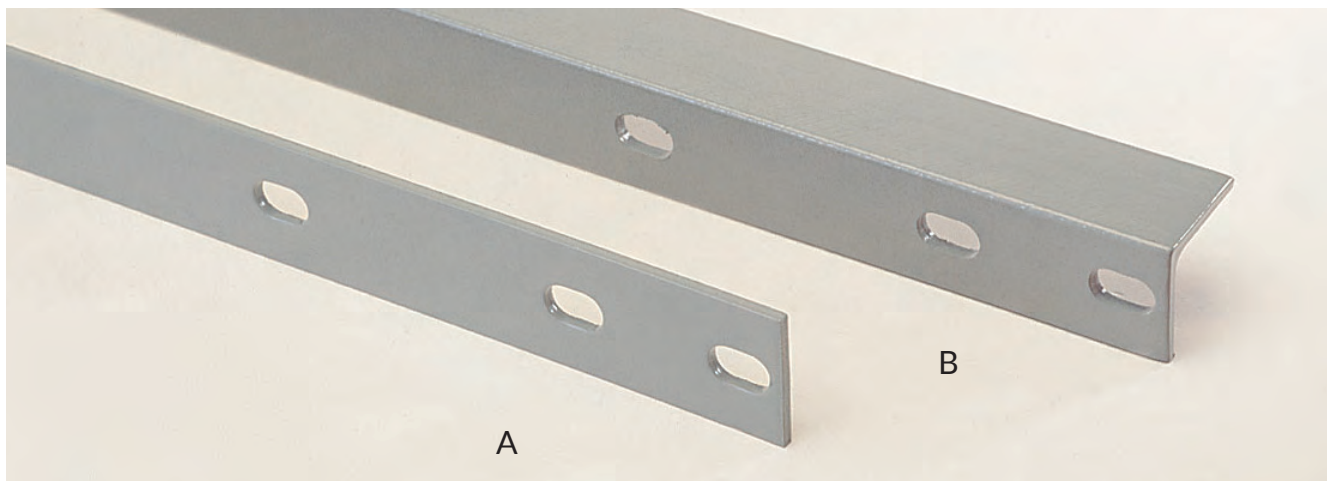
Roller steel bars insert in the shelf channel for reinforcement. Hardware is included. Not for use with Hi-Performance Shelves.

| A - Reinforcing Bar |       |         |          |
|---------------------|-------|---------|----------|
| Width               | Depth | Height  | Cat. No. |
| 24"                 | 1/8"  | 1-3/32" | 16650H   |
| 30"                 | 1/8"  | 1-3/32" | 16660H   |





### B. Reinforcing Angle

1/8" thick rolled steel angles added to the shelf flanges for developing class 2A shelves. Hardware is included. Not for use with Hi-Performance shelves.

| B - Reinforcing Angle |       |        |          |
|-----------------------|-------|--------|----------|
| Width                 | Depth | Height | Cat. No. |
| 24"                   | 1"    | 1"     | 16500H   |
| 30"                   | 1"    | 1"     | 16510H   |



## Clipper Conventional Flange Shelf Capacities - 18 Gauge

|            |            |                             |  |  |    |  |          |
|------------|------------|-----------------------------|---|---|---|---|----------|
|            |            |                             | Class 0   | Class 1-B   | Class 2-B   | Class 2-A   |          |
| Unit Width | Unit Depth | Deflection @ Center Ft Edge | Cat. No.  | Capacity  | Capacity  | Capacity  | Capacity |
| 24"        | 12"        | .200"                       | 12810C  | 990 lb  | NOTE: Class 1 shelves do not have any more load carrying capabilities over Class 0, but should be used where impact or concentrated loads occur along the front edge. | 1270 lb   | 1580 lb  |
|            | 18"        | .200"                       | 12830C  | 1110 lb   |   | 1430 lb   | 1430 lb  |
|            | 24"        | .200"                       | 12840C  | 1140 lb   |   | 1090 lb   | 1090 lb  |
| 30"        | 12"        | .250"                       | 12910C  | 760 lb  |   | 980 lb  | 1230 lb  |
|            | 18"        | .250"                       | 12930C  | 820 lb  |   | 1060 lb   | 1320 lb  |
|            | 24"        | .250"                       | 12940C  | 920 lb  |   | 1030 lb   | 1030 lb  |

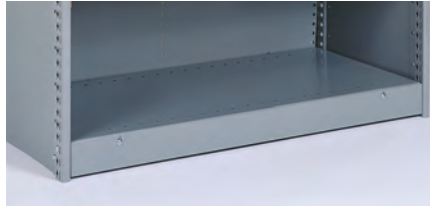
## Shelving Accessories



### Finished End Panels

Formed sheet steel panels used to finish the end of a shelving row. Panels attach to posts to cover holes and hardware. Presents an attractive and finished appearance. Must be used with Box Post at front, Angle Posts at rear.

| Finished End Panels |             |          |
|---------------------|-------------|----------|
| Unit Depth          | Unit Height | Cat. No. |
| 12"                 | 87"         | 18241H   |
| 18"                 | 87"         | 18440H   |
| 24"                 | 87"         | 18540H   |



### Front Base Strips

Closes the space between the floor and bottom shelf. Hardware included. The 4" high base is for use with the heavy duty foot plate.

| Front Base Strip |             |          |
|------------------|-------------|----------|
| Unit Width       | Unit Height | Cat. No. |
| 24"              | 3"          | 14500H   |
| 30"              | 3"          | 14510H   |
| 36"              | 3"          | 14520H   |
| 36"              | 4"          | 14525H   |
| 42"              | 3"          | 14530H   |
| 48"              | 3"          | 14540H   |



## Sliding Doors

Flanged on all 4 sides and reinforced. Doors slide on quiet, smooth-running nylon rollers and guides. Designed for use with two 36" wide units side by side. Complete with grooved key cylinder lock and 2 keys. Hardware included. Not for use with Modular Drawers.



| Sliding Doors |                   |             |               |
|---------------|-------------------|-------------|---------------|
| Unit Width    | Door Frame Height | Unit Height | Pair Cat. No. |
| 72"           | 36"               | 39"         | 1H907236      |
| 72"           | 84"               | 87"         | 1H907284      |



## Swinging Doors

3 Point latching with locking handle and 2 keys. Doors are pre-hung at the factory on a welded frame for easy assembly and good fit. Can be used on standard ledge or counter units up to 87" high. Order doors separately from units. Door can be attached to box posts

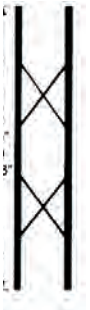
or angle posts. Base strips should be ordered to close the opening between the door frame and the floor.

NOTE: Not for use with Modular Drawers.

| Swinging Doors                    |                   |             |               |
|-----------------------------------|-------------------|-------------|---------------|
| Unit Width                        | Door Frame Height | Unit Height | Pair Cat. No. |
| For Below Ledge or Counter Height |                   |             |               |
| 36"                               | 36"               | 39"         | 19600H        |
| For Above Ledge Unit              |                   |             |               |
| 36"                               | 48"               | 48"         | 19610H        |
| For Standard Shelving Units       |                   |             |               |
| 36"                               | 73"               | 75"         | 19630H        |
| 36"                               | 85"               | 87"         | 19640H        |
| 48"                               | 36"               | 39"         | 19646H        |
| 48"                               | 85"               | 87"         | 19650H        |

## Sway Braces

Open shelving units, 87" high or shorter, must have at least one set of side sway braces per side and one set of back braces. Both side and back braces may be common with adjacent units. For multiple level, deck-over or high-rise shelving structures, the lowest set of braces should be within 4 1/2" of the floor. For posts over 87" high up to 123", order two sets of side and rear braces for each unit. Posts taller than 123" may require additional bracing.



For brace location requirements in regions where there is seismic activity, contact a local consultant or the Penco Product Management and Systems Engineering Department.

## Shelving Accessories

### A. - Bin Front

A formed steel panel partially enclosing the front opening of a shelf to keep bulk items within a bin. 1" & 2" Bin Fronts attach to the front of the shelf with bolts & nuts. 3" high Bin Front attaches to posts with metal clips. Hardware included.

### B. - Sliding Divider

Formed to fit around front and rear flanges on the shelf. Position anywhere on surface. No hardware needed. For Hi-Performance Shelves.

### C. - Partial Dividers

Partially subdivides shelf to separate stored items. Hardware included.

### D. - Full Height Dividers

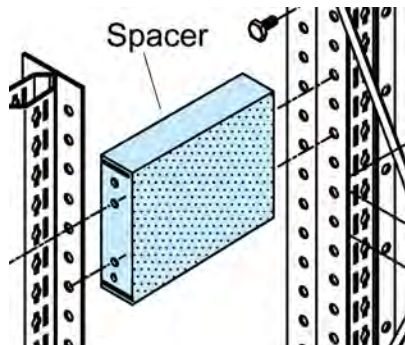
Used to divide a shelf opening into smaller units. Divider has a beaded front edge for strength and safety. Hardware included. NOTE: For Class 3 shelving applications, contact your representative regarding special notching of dividers.

### E. - Label Holders

A formed steel strip that accepts 7/8" labels. Fastens to the shelf with plastic buttons (included).

### F. - Flue Spacer

A component that can provide a 6" open area between rows of back-to-back shelving to facilitate installation of fire suppression equipment (hardware included).



| A. - C. Accessories |                  |            |            |             |          |
|---------------------|------------------|------------|------------|-------------|----------|
| Letter Code         | Unit Desc.       | Unit Width | Unit Depth | Unit Height | Cat. No. |
| A                   | Bin Front        | 36"        | -          | 1"          | 14210H   |
|                     |                  | 36"        | -          | 2"          | 14220H   |
|                     |                  | 36"        | -          | 3"          | 14230C   |
|                     |                  | 42"        | -          | 3"          | 14330C   |
|                     |                  | 48"        | -          | 3"          | 14430C   |
| B                   | Sliding Divider  | -          | 12"        | 4"          | 1H4124C  |
|                     |                  | -          | 12"        | 6"          | 1H4126C  |
|                     |                  | -          | 18"        | 4"          | 1H4184C  |
|                     |                  | -          | 18"        | 6"          | 1H4186C  |
|                     |                  | -          | 24"        | 4"          | 1H4244C  |
|                     |                  | -          | 24"        | 6"          | 1H4246C  |
| C                   | Partial Dividers | -          | 12"        | 2"          | 16395H   |
|                     |                  | -          | 12"        | 4"          | 16410H   |
|                     |                  | -          | 18"        | 2"          | 16397H   |
|                     |                  | -          | 18"        | 4"          | 16430H   |
|                     |                  | -          | 24"        | 4"          | 16440H   |
|                     |                  | -          | 24"        | 4"          | 16440H   |

| D. - F. Accessories |                      |            |            |             |          |
|---------------------|----------------------|------------|------------|-------------|----------|
| Letter Code         | Unit Desc.           | Unit Width | Unit Depth | Unit Height | Cat. No. |
| D                   | Full Height Dividers | -          | 12"        | 6"          | 15600H   |
|                     |                      | -          | 12"        | 9"          | 15620H   |
|                     |                      | -          | 12"        | 12"         | 15640H   |
|                     |                      | -          | 12"        | 14"         | 15650H   |
|                     |                      | -          | 12"        | 18"         | 15670H   |
|                     |                      | -          | 15"        | 6"          | 15700H   |
|                     |                      | -          | 15"        | 9"          | 15720H   |
|                     |                      | -          | 15"        | 12"         | 15740H   |
|                     |                      | -          | 18"        | 6"          | 15800H   |
|                     |                      | -          | 18"        | 9"          | 15820H   |
|                     |                      | -          | 18"        | 10"         | 15830H   |
|                     |                      | -          | 18"        | 12"         | 15840H   |
|                     |                      | -          | 18"        | 16"         | 15860H   |
|                     |                      | -          | 18"        | 18"         | 15870H   |
|                     |                      | -          | 18"        | 24"         | 15890H   |
|                     |                      | -          | 24"        | 6"          | 15900H   |
|                     |                      | -          | 24"        | 9"          | 15920H   |
|                     |                      | -          | 24"        | 12"         | 15940H   |
|                     |                      | -          | 24"        | 18"         | 15970H   |
|                     |                      | -          | 24"        | 24"         | 15990H   |
| E                   | Label Holders        | 24"        | -          | -           | 13900H   |
|                     |                      | 30"        | -          | -           | 13910H   |
|                     |                      | 36"        | -          | -           | 13920H   |
|                     |                      | 42"        | -          | -           | 13930H   |
|                     |                      | 48"        | -          | -           | 13940H   |
| F                   | Flue Spacer          | -          | 6"         | 4"          | 1ACX522H |







# QuickShip Shelving

Touch Up Spray Paint - 12 oz.

|  |                    |
|--|--------------------|
| Must be ordered with lockers, shelving, or RivetRite products. | 028 Gray<br>97028Z |
|--|--------------------|

## Basic Clipper Shelving OPEN QuickShip Units - 87" High



| Unit Width | Shelf Depth | 5 Shelf Cat. No. | 6 Shelf Cat. No. | 7 Shelf Cat. No. | 8 Shelf Cat. No. |
|------------|-------------|------------------|------------------|------------------|------------------|
| 36"        | 12"         | 1H7015028        | 1H7016028        | 1H7017028        | 1H7018028        |
|            | 18"         | 1H7025028        | 1H7026028        | 1H7027028        | 1H7028028        |
|            | 24"         | 1H7035028        | 1H7036028        | 1H7037028        | 1H7038028        |
| 48"        | 12"         | 1H7075028        | 1H7076028        | 1H7077028        | 1H7078028        |
|            | 18"         | 1H7085028        | 1H7086028        | 1H7087028        | 1H7088028        |
|            | 24"         | 1H7095028        | 1H7096028        | 1H7097028        | 1H7098028        |

Pictured at left: a 5-shelf Open Basic Unit. It requires an Open End Kit for completion (see below).


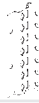







## Basic Clipper Shelving CLOSED QuickShip Units - 87" High



| Unit Width | Shelf Depth | 5 Shelf Cat. No. | 6 Shelf Cat. No. | 7 Shelf Cat. No. | 8 Shelf Cat. No. |
|------------|-------------|------------------|------------------|------------------|------------------|
| 36"        | 12"         | 1H8015028        | 1H8016028        | 1H8017028        | 1H8018028        |
|            | 18"         | 1H8025028        | 1H8026028        | 1H8027028        | 1H8028028        |
|            | 24"         | 1H8035028        | 1H8036028        | 1H8037028        | 1H8038028        |
| 48"        | 12"         | 1H8075028        | 1H8076028        | 1H8077028        | 1H8078028        |
|            | 18"         | 1H8085028        | 1H8086028        | 1H8087028        | 1H8088028        |
|            | 24"         | 1H8095028        | 1H8096028        | 1H8097028        | 1H8098028        |

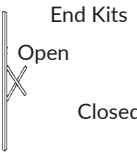
Pictured at left: a 5-shelf Closed Basic Unit. It requires a Closed End Kit for completion (see below).

## Clipper QuickShip Components

| Description   | W      | D      | H      | Cat. No.  |
|---|--------|--------|--------|-----------|
|  Box Post                | -      | -      | 87"    | 1B4087028 |
|  Offset Angle Post      | -      | -      | 87"    | 1A4087028 |
|  Floor Anchor Clip     | 3-1/2" | 2-7/8" | -      | 10006Z    |
|  Concrete Floor Anchor | 3/8"   | -      | 2-1/4" | 9280      |
|  Back Sway Braces      | 36"    | -      | -      | 12036H028 |
|   | 48"    | -      | -      | 12048H028 |
|  Side Sway Braces      | -      | 12"    | -      | 12015S028 |
|   | -      | 18"    | -      | 12026S028 |
|   | -      | 24"    | -      | 12034S028 |
|  Back Panels           | 36"    | -      | 87"    | 12540H028 |
|   | 48"    | -      | 87"    | 12740H028 |
|  Side Panels           | -      | 12"    | 87"    | 11440H028 |
|   | -      | 18"    | 87"    | 11640H028 |
|   | -      | 24"    | 87"    | 11740H028 |
|  Front Base Strips     | 36"    | -      | 3"     | 14520H028 |
|   | 48"    | -      | 3"     | 14540H028 |

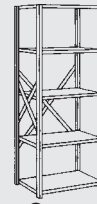
## Clipper Shelving QuickShip End Kits - 87" High

| Unit Depth | For OPEN Units Cat. No. | For CLOSED Units Cat. No. |
|------------|-------------------------|---------------------------|
| 12"        | 101287028               | 1C1287028                 |
| 18"        | 101887028               | 1C1887028                 |
| 24"        | 102487028               | 1C2487028                 |



## Clipper® QuickShip Adjustable Shelving

- High Quality Industrial Grade
- Open and Closed Configurations
- 87" high units with Box & Angle Posts
- Shelves adjust on 1" vertical centers
- Heavy duty box beam shelves - 4 sizes
- Attractive 028 Gray powder coat finish
- Accessories - Front Bases, Anchors and Floor Anchor Clips



Open Basic Unit

Use an OPEN Clipper Basic Unit to start a single unit or a row of shelving. Add additional Clipper Basic Units to add to the row. To end a row or single unit, finish the unit with an OPEN End Kit.



Open End Kit



Closed Basic Unit

Use a CLOSED Clipper Basic Unit to start a single unit or a row of closed shelving. Add additional Closed Clipper Basic Units to add to the row. To end a row or single unit, finish the unit with a CLOSED End Kit.



Closed End Kit

## Heavy Duty Shelves & Capacities

(Each Shelf comes with 4 Clipper Clips)

| Size          | Cat. No.    | Capacity  |
|---------------|-------------|-----------|
| 36" W x 12" D | 1H203612028 | 800 lbs.* |
| 36" W x 18" D | 1H203618028 | 850 lbs.* |
| 36" W x 24" D | 1H203624028 | 800 lbs.* |
| 48" W x 12" D | 1H204812028 | 500 lbs.* |
| 48" W x 18" D | 1H204818028 | 500 lbs.* |
| 48" W x 24" D | 1H204824028 | 500 lbs.* |



\* Evenly Distributed Loads for Clipper Hi-Performance Heavy Duty Class 1 Shelves.

## Specifications

**General:** All shelving shall comply with SMA and ANSI MH 28.1-1982 and in addition shall have the following characteristics:

**Posts:** All posts shall be punched for clip or nut and bolt construction. Shelves and accessories are to be vertically adjustable on 1" centers. Side sway braces or side panels to be attached to the side flange of the post. Bolts, nuts, and sway braces or panels shall not obstruct the full adjustability of the shelves.

**Box Post:** Box post to be roll formed and have overall dimensions of 3/4" wide x 2-7/16" deep. Box post to be flush within 1/4" of the face of the shelves when assembled.

**Offset Angle:** Offset angle post shall be roll formed and have overall dimensions of 1-1/8" wide x 2-1/2" deep. The rear flange shall be punched to accept sway braces or backs, the side flange shall be punched to accept side sway braces or side panels.

**Side Panels:** Shall be 24 gauge steel. Each side shall be punched with holes for bolting to posts.

**Backs:** Shall be 24 gauge steel with holes on each side for bolting to angle posts and in the middle for using a back panel clip.

**Sway Braces:** To be 12 gauge x 3/4" steel punched at each end for bolting to posts and at the center for strength and ease of assembly.

**Clipper Shelf Clip:** One piece 14 gauge rugged compression type to insert into either box or offset angle posts to form a positive four point connection. Clips shall have two claw-like hooks to seat firmly into post slots and two tabs at bottom to seat into post holes for a tight friction connection. All clips for all posts and shelves to be the same. Design shall offer a pre-clipping feature to simplify erection. Finish: zinc plated. All shelves are to have four independently adjustable clips.

**Shelves: Conventional Flange, Class "O":** Shall be 18 gauge steel with a 1-3/16" vertical face on all four sides, front and rear faces to have 17/32" return flange 90° with the edges coined upward to prevent snagging. Sides to have a 5/8" return flange 90°. All four shelf corners shall be closed by lapping and spot welding together to provide a firm, rigid shelf. Shelf shall be universally punched for use with all available accessories and for clip or bolted assembly. Shelves are available in 24", 30", 36", 42" and 48" widths and 9", 12", 15", 18", 24", 30" and 36" depths. Shelves can be reinforced by adding 1-3/32" x 11 ga. bars or 1" x 1" x 1/8" angles to front and back flanges.

**Shelves: Clipper Hi-Performance® Box Formed:** Medium Duty, Heavy Duty and Extra Heavy Duty are manufactured from cold rolled steel in three material thicknesses that provide up to three different shelf capacities per size. Shelves have 1-1/4" face on all four sides. Front and rear faces have four 90° bends providing a 3/4" x 1-1/4" high tubular shape with an 11/16" wide flange seated against the underside of the shelf. The flange is spot welded to the underside of the shelf on 3" centers. Sides have a 5/8" return flange 90°. All four corners are closed by lapping and spot welding together. Medium Duty and Heavy Duty shelf tabs for lapping and welding have formed ribs to maintain the same snug fit in the shelf clip as the extra heavy duty shelf. Overall, the shelf depth and width is 1/4" less than nominal. The shelf is punched for divider adjustment on 1-1/2" centers and for attachment of label holders, bin fronts and base fronts. Hi-Performance shelves are available in 36", 42", & 48" widths and 12", 15", 18", 24", 30" & 36" depths. Extra Heavy Duty Reinforced (Class 3) Hi-Performance Shelves provide maximum capacity using Extra Heavy Duty shelves that are reinforced

using 13 gauge side shelf supports bolted to the Clipper posts and 14 gauge 1-5/32" high hat shaped center supports held in place by a notch and flange in the side shelf support.

**Ledge Tops:** To be 14 gauge steel. Face of ledge to be 1-1/8" and have a center reinforcing pan. Ledge top to project 1-1/8" beyond the face of the post and to have two 14 gauge angles welded to underside for strength and bolting to post. Must be used with box posts below ledge.

**Ledge Tops:** To be manufactured from 14 gauge steel and furnished to give ledge top a finished appearance.

**Counter Tops:** To be 14 gauge steel. Face of counter top to be 1-1/8" and project 1-1/8" beyond face of post with a welded center reinforcing pan. Units to be furnished with box post front and rear for finished appearance. 14 gauge counter top ends can be furnished at the ends of all rows for a finished appearance.

**Counter Front:** To be 18 gauge steel attached with no exposed fasteners.

**Base Strip:** Shall be 18 gauge steel attached to face of shelf with bolts and nuts to close space between the bottom of the shelf and the floor.

**Label Holder:** Shall be 24 gauge steel with necessary holes for attaching to shelves with plastic push-in fasteners.

**Shelf Dividers:** 6" high through 20" high shall be 24 gauge, 24" high and over shall be 20 gauge. All divider front flanges shall have a 5/16" diameter bead. Top, bottom and rear flanges are 7/8". Dividers less than 24" high shall be attached with plastic push-in fasteners, 24" and higher are bolted.

**Partial Dividers:** Shall be 18 gauge steel with a 7/8" flange at the bottom. Attached with push-in Plastic Button fasteners.

**Sliding Divider:** To be 20 gauge steel manufactured to give infinite lateral adjustability. Divider portion shall be sloped 45° at front, 1/2" radius at front corner.

**Bin Fronts:** To be 18 gauge steel. One and two inch high bin fronts shall be bolted to the face of the shelf. Three inch high bin fronts to be attached to the post by use of 16 gauge zinc plated channel clips.

**Swinging Doors:** Consist of a 16 gauge steel frame and 20 gauge doors, reinforced to prevent warping. Doors are riveted to three 5-knuckle hinges and have a three-point latching device with chrome plated key lock handle. Doors to be preassembled in the frame at factory.

**Sliding Doors:** Set of doors is 72" wide and cover two 36" wide units. Each door shall be 22 gauge with two or more 18 gauge reinforcing pans, recessed handle and nylon glides and rollers. Each set has 16 gauge channels welded at the top and bottom, and 20 gauge channels on the ends. Doors shall be contained in top, bottom and vertical channels. Right hand door has a provision for a cylinder lock.

**Foot Plates:** Shall be 13 gauge zinc plated steel and be used to protect floors.

**Finish:** Finish to be selected from manufacturer's standard colors. Surface to be pretreated with a multiple stage cleaning and metal preparation process. Finish coat of high grade pure polyester powder coat is applied and properly cured to paint manufacturer specifications to achieve optimum performance.

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## Introduction

### For HIGH, WIDE or BULKY Hand-Loaded Items

Penco Wide Span is the standard of the industry for shelving designed to contain wide, bulky loads. It bridges the storage gap between conventional shelving and pallet rack. The range of applications can be from a single unit (right) to a sophisticated multi-level picking system (bottom).

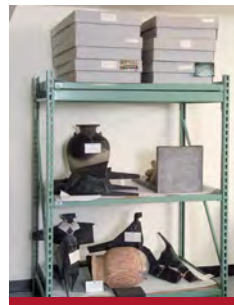
Penco Wide Span is easily the quickest shelving product to assemble. There are a minimum number of parts that snap or fit into place quickly and easily. No bracing to add and no hardware required. Not to be loaded with fork trucks.



Multi-level Wide Span Pick Module



Optional wire deck shelves



Museum storage



Auto part center storage

## How To Order Wide Span Units

Wide Span Units are easy to order. Shown on the next page are common sizes of units for 3 levels of plywood shelves.

Many other sizes are available by ordering from the component parts on the following pages. Allow for the width of each upright post in planning your layout. The Wide Span Growth Chart on the next page illustrates this concept for your convenience.

To order Wide Span Shelving Units:

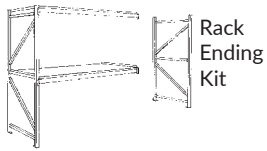
1. Order as many Basic Units as you need for your row of shelving.
2. Order one Rack Ending Kit to end each row or single unit (plywood must be purchased separately).

## Growth Dimension Considerations

When planning a row of Wide Span Shelving, allow for the 1-3/4" width of each upright post and 1/4" additional per bay for the thickness of the beam ends. The Wide Span Growth Chart on the following page shows typical growth for two 96" steel shelf units and 96-1/2" plywood beam units.

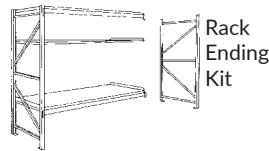
For safety purposes, we recommend that Wide Span Uprights be floor or wall anchored.

## Wide Span Units



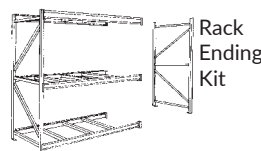
### Basic 2-Shelf Unit

- 1 Upright Frame
- 2 Steel Shelf Levels
- 2 Pair Side Shelf Supports
- 2 Pair Rigidity Beams



### Basic 3-Shelf Unit

- 1 Upright Frame
- 3 Steel Shelf Levels
- 3 Pair Side Shelf Supports
- 2 Pair Rigidity Beams



### Basic 3-Level Unit for Plywood\*

- 1 Upright Frame
- 3 Pair Standard Plywood Beams
- 3 Plywood Support Angles per pair of 72-1/2" Beams
- 4 Plywood Support Angles per pair of 96-1/2" Beams

ORDER RACK END KITS SEPARATELY. SEE BELOW.

\* NOTE: Plywood not included.

## Plywood used in lieu of Steel Shelves

Special beams and supports are used when plywood, pressed wood, particle board, oriented strand board or other composition type panels are used in place of steel shelves (these deck materials must be purchased separately).



All Wide Span Beams have a patented Beam Lock that secures the beam end to the upright post to retard accidental beam dislodging. An embossed nib on the beam end engages a slot on the side on the upright

post, which holds the beam end tight against the post (U. S. Patent No. 4,928,834). Can be disengaged with a mallet.

Two beam types are available: Standard Plywood Beams, and Heavy Duty Plywood Beams. Each is manufactured an extra 1/2" long to facilitate placement of full foot lengths of decking. Each uses a different type of front to back support for the decking material. Neither can be used in the same unit or bay with standard rigidity beams, because the lengths are different.

## Standard Plywood Beams

Standard Size panels may be used without trimming. This is accomplished by the step design which allows decking depths which match the upright depth. Capacities vary by beam length. Plywood Support Angles must be ordered separately. A full 48" x 96" deck will fit on a pair of 96-1/2" beams when 50" deep upright frames are used.

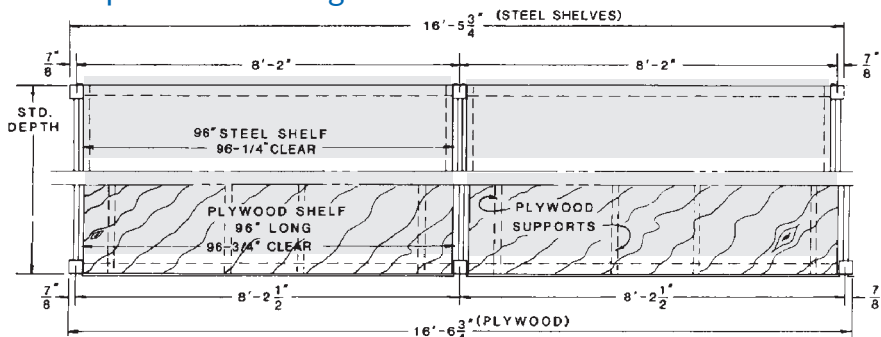
## Heavy Duty Plywood Beams

These beams can support a greater load than Standard Plywood Beams, and have a flush front facing the aisle. Requires the use of Beam Brace/Heavy Duty Plywood Supports which are ordered separately.

## Wide Span Shelving Units

| Unit Height                           | Beam Width | 30" Deep            |                       | 36" Deep            |                       | 48" Deep            |                       |
|---------------------------------------|------------|---------------------|-----------------------|---------------------|-----------------------|---------------------|-----------------------|
|                                       |            | Basic Unit Cat. No. | Rack End Kit Cat. No. | Basic Unit Cat. No. | Rack End Kit Cat. No. | Basic Unit Cat. No. | Rack End Kit Cat. No. |
| Two Shelf Units with Steel Shelves    |            |                     |                       |                     |                       |                     |                       |
| 72"                                   | 60"        | 20351               | 20002C                | 20359               | 20003C                | 20375               | 20005C                |
|                                       | 72"        | 20353               | 20002C                | 20361               | 20003C                | 20377               | 20005C                |
|                                       | 84"        | 20355               | 20002C                | 20363               | 20003C                | 20379               | 20005C                |
|                                       | 96"        | 20357               | 20002C                | 20365               | 20003C                | 20381               | 20005C                |
| 96"                                   | 60"        | 20383               | 20018C                | 20391               | 20019C                | 20407               | 20021C                |
|                                       | 72"        | 20385               | 20018C                | 20393               | 20019C                | 20409               | 20021C                |
|                                       | 84"        | 20387               | 20018C                | 20395               | 20019C                | 20411               | 20021C                |
|                                       | 96"        | 20389               | 20018C                | 20397               | 20019C                | 20413               | 20021C                |
| Three Shelf Units with Steel Shelves  |            |                     |                       |                     |                       |                     |                       |
| 120"                                  | 60"        | 20415               | 20034C                | 20423               | 20035C                | 20439               | 20037C                |
|                                       | 72"        | 20417               | 20034C                | 20425               | 20035C                | 20441               | 20037C                |
|                                       | 84"        | 20419               | 20034C                | 20427               | 20035C                | 20443               | 20037C                |
|                                       | 96"        | 20421               | 20034C                | 20429               | 20035C                | 20445               | 20037C                |
| 144"                                  | 60"        | 20447               | 20050C                | 20455               | 20051C                | 20471               | 20053C                |
|                                       | 72"        | 20449               | 20050C                | 20457               | 20051C                | 20473               | 20053C                |
|                                       | 84"        | 20451               | 20050C                | 20459               | 20051C                | 20475               | 20053C                |
|                                       | 96"        | 20453               | 20050C                | 20461               | 20051C                | 20477               | 20053C                |
| Three Level Units for Plywood Shelves |            |                     |                       |                     |                       |                     |                       |
| 120"                                  | 72-1/2"    | -                   | -                     | -                   | -                     | 20512               | 20037C                |
|                                       | 96-1/2"    | -                   | -                     | -                   | -                     | 20514               | 20037C                |
| 144"                                  | 72-1/2"    | -                   | -                     | -                   | -                     | 20535               | 20053C                |
|                                       | 96-1/2"    | -                   | -                     | -                   | -                     | 20537               | 20053C                |

## Wide Span Growth Diagram



## Shelving Components

### Side Shelf Supports

Heavy gauge steel angles which support steel shelves. Each support engages the upright frame at four points. One or more tangs stamped into the surface engages the reinforcing pan on the shelf bottom to prevent accidental dislodging of the shelf. One pair is required for each steel shelf.



| Side Shelf Supports |                   |                   |
|---------------------|-------------------|-------------------|
| Unit Depth          | Capacity Per Pair | Cat. No. Per Pair |
| 18"                 | 3600 lb           | 22018             |
| 24"                 | 3600 lb           | 22024             |
| 30"                 | 2900 lb           | 22030             |
| 36"                 | 2400 lb           | 22036             |
| 42"                 | 2100 lb           | 22042             |
| 48"                 | 1800 lb           | 22048             |

### Rigid Wall Spacers

Assures that uniform spacing between upright and building wall is maintained. Includes hardware to fasten to frame.



| Rigid Wall Spacers |          |
|--------------------|----------|
| Unit Depth         | Cat. No. |
| 4"                 | 5AR404   |
| 6"                 | 5AR406   |
| 8"                 | 5AR408   |
| 10"                | 5AR410   |

### Rigid Row Spacers

Used to space and join back-to-back units. Adds rigidity to double row applications. Includes hardware.



| Rigid Row Spacers |          |
|-------------------|----------|
| Unit Depth        | Cat. No. |
| 6"                | 5AR506   |
| 8"                | 5AR508   |
| 10"               | 5AR510   |
| 12"               | 5AR512   |

### Standard Plywood Beams

Designed to support 1/2" thick deck material flush with top of beam flange when used with the appropriate number of Plywood Support Angles which insert into slots in beam step. Overall height is 3-1/2". Beam step is 1-1/2" deep by 5/8" high. A 48" deep deck will fit between beams without trimming when a 48" deep upright frame is used.



| Standard Plywood Beams |                      |                   |
|------------------------|----------------------|-------------------|
| Beam Width             | Capacity Per Pair*** | Cat. No. Per Pair |
| 48-1/2"                | 2500 lb              | 20337             |
| 60-1/2"                | 2120 lb              | 20338             |
| 72-1/2"                | 1700 lb              | 20339             |
| 84-1/2"                | 1500 lb              | 20340             |
| 96-1/2"                | 1350 lb              | 20335             |

\*\*\*Capacity in pounds for evenly distributed loads.

## Shelving Components

### Heavy Duty Plywood Beams

A heavy duty beam designed for greater capacity when used with deck material. Deck material sits on beam step and is supported by the appropriate number of Beam Brace/Heavy Duty Plywood Supports (order separately). Deck must be trimmed to 2" less depth than the depth of the upright frame.

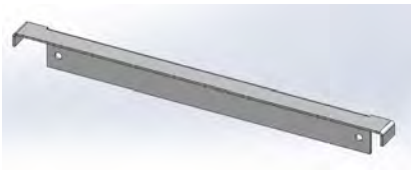
Heavy Duty Plywood Beams can be used in the same unit or bay with Standard Plywood Beams. However, the decking material must be trimmed 2" for the heavy duty beams. Capacity in pounds for evenly distributed loads.



| Heavy Duty Plywood Beams |                   |                   |
|--------------------------|-------------------|-------------------|
| Beam Width               | Capacity Per Pair | Cat. No. Per Pair |
| 48-1/2"                  | 2500 lb           | 210480            |
| 72-1/2"                  | 2500 lb           | 210720            |
| 96-1/2"                  | 2500 lb           | 210960            |

### Standard Plywood Support Angles

Standard Plywood Support Angles fit into the slots in the beam step of Standard Plywood Beams. Order separately from beams. Order 2 per pair of 48-1/2" & 60-1/2" beams; 3 for 72-1/2" & 84-1/2" beams; 4 for 96-1/2" beams.



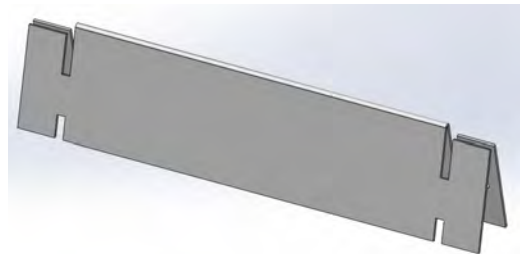
| Std Plywood Support Angles |          |
|----------------------------|----------|
| Depth                      | Cat. No. |
| 18"                        | 20349C   |
| 24"                        | 20341C   |
| 30"                        | 20330C   |
| 36"                        | 20342C   |
| 42"                        | 20332C   |
| 48"                        | 20336C   |

### Beam Brace / H. D. Plywood Support

This item fits easily into the inside of the beam opening and has two functions.

When Rigidity Beams are used as load bearing members, the Beam Braces are used to keep the beams from twisting.

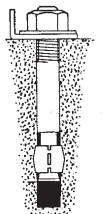
When used with Heavy Duty Plywood Beams they become Plywood supports. Use a minimum of two supports per pair of beams. Use more if required by your load condition - see capacities in the table.



| Beam Brace / H.D. Support |          |          |
|---------------------------|----------|----------|
| Depth                     | Capacity | Cat. No. |
| 24"                       | 1200 lb  | 202040C  |
| 30"                       | 1100 lb  | 202050C  |
| 36"                       | 900 lb   | 202060C  |
| 42"                       | 700 lb   | 202070C  |
| 48"                       | 500 lb   | 202080C  |
| 50"                       | 500 lb   | 2P0050C  |

### Concrete Floor Anchor

Use the longer anchor #9281 in seismic zones above 2A.

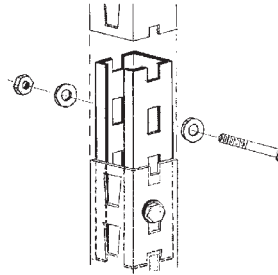


| Concrete Floor Anchor |            |             |                     |
|-----------------------|------------|-------------|---------------------|
| Unit Width            | Unit Depth | Unit Height | Basic Unit Cat. No. |
| 3/8"                  | -          | 2-1/4"      | 9280                |
| 3/8"                  | -          | 3-3/4"      | 9281                |

## Shelving Components

### Upright Frame Splice

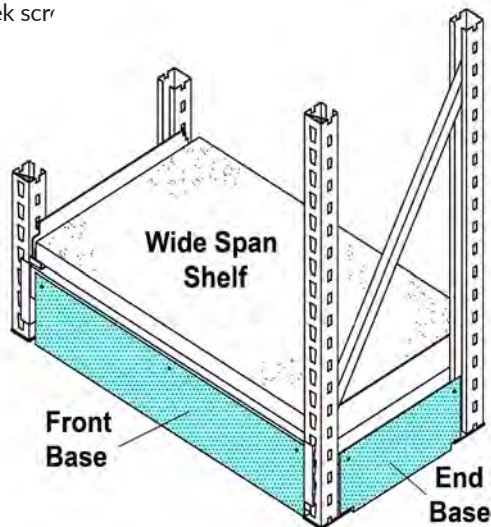
Note that TWO splices must be ordered per frame. Top upright frame **MUST** be ordered without footplate. Hardware included.



| Wide Span Upright Frame Accessories |            |             |          |
|-------------------------------------|------------|-------------|----------|
| Unit Width                          | Unit Depth | Unit Height | Cat. No. |
| Upright Frame Splice                |            |             |          |
| -                                   | -          | 8"          | 20099H   |
| Shim, unpainted                     |            |             |          |
| 2-1/2"                              | 3-1/2"     | -           | 20100C   |

### Wide Span Base Closures

These base closures will close the space beneath a unit between the bottom Rigidity or Heavy Duty Plywood Beam at their lowest position, and the floor, or at the end of the unit between the lowest horizontal brace and the floor. They are supplied with tek scr

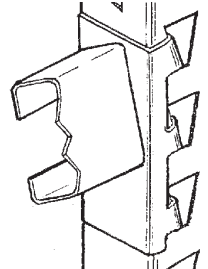


| Wide Span End Bases |        |          |
|---------------------|--------|----------|
| Depth               | Height | Cat. No. |
| 18"                 | 7-3/4" |          |
| 24"                 | 7-3/4" |          |
| 30"                 | 7-3/4" |          |
| 36"                 | 7-3/4" |          |
| 42"                 | 7-3/4" |          |
| 48"                 | 7-3/4" |          |
| 50"                 | 7-3/4" |          |

| Wide Span Front Bases |        |          |
|-----------------------|--------|----------|
| Width                 | Height | Cat. No. |
| 48"                   | 6"     | 202200H  |
| 60"                   | 6"     | 202201H  |
| 72"                   | 6"     | 202202H  |
| 84"                   | 6"     | 202203H  |
| 96"                   | 6"     | 202204H  |

### Tire Rack Beams

Beam is slanted to cradle tires. It is designed to be installed on aisle side of unit.



| Tire Rack Beams (Each) |          |
|------------------------|----------|
| Unit Width             | Cat. No. |
| 48"                    | 20619C   |
| 60"                    | 20620C   |
| 72"                    | 20621C   |

| Tire Rack Upright Frames             |             |          |
|--------------------------------------|-------------|----------|
| Unit Depth                           | Unit Height | Cat. No. |
| Single Entry Units (with Footplates) |             |          |
| 18"                                  | 96"         | 20016C   |
| 18"                                  | 126"        | 20260C   |
| 18"                                  | 156"        | 20056C   |
| 18"                                  | 192"        | 24040C   |
| Double Entry Units                   |             |          |
| 38"                                  | 96"         | 20262C   |
| 38"                                  | 126"        | 20263C   |
| 38"                                  | 156"        | 20264C   |
| 38"                                  | 192"        | 20265C   |

| Tire Rack Units           |            |             |          |
|---------------------------|------------|-------------|----------|
| Unit Width                | Unit Depth | Unit Height | Cat. No. |
| Basic Units, Single Entry |            |             |          |
| 60"                       | 18"        | 96"         | 20651    |
| 60"                       | 18"        | 126"        | 20653    |
| 60"                       | 18"        | 156"        | 20655    |
| 60"                       | 18"        | 192"        | 20657    |
| Basic Units, Double Entry |            |             |          |
| 60"                       | 38"        | 96"         | 20659    |
| 60"                       | 38"        | 126"        | 20661    |
| 60"                       | 38"        | 156"        | 20663    |
| 60"                       | 38"        | 192"        | 20665    |

### Upright Frames



Penco Wide Span Upright Frames are made from heavy gauge steel, MIG welded into one rigid assembly containing posts, diagonal and horizontal braces and foot plates for anchoring. There is no assembly required. Other sizes are available. See page 11 for anchors.

Posts are punched on the face to provide positive independent beam placement on 2" vertical centers. The posts are marked on 12" centers to facilitate placement of shelf levels. A slot on each side of the post accepts a nib on the end of each beam, to lock it in place.

Frames have a capacity of 7,500 pounds with a 1.92 safety factor where vertical beam spacing does not exceed 60". Footplates are punched for anchoring: see "Anchors" in the post section of Clipper shelving on page 11.

| Upright Frames |                   |                   |                   |                   |                   |                   |                    |
|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Unit Height    | 18" Deep Cat. No. | 24" Deep Cat. No. | 30" Deep Cat. No. | 36" Deep Cat. No. | 42" Deep Cat. No. | 48" Deep Cat. No. | 50" Deep Cat. No.* |
| 72"            | 20000C            | 20001C            | 20002C            | 20003C            | 20004C            | 20005C            | 2P072C             |
| 84"            | 20008C            | 20009C            | 20010C            | 20011C            | 20012C            | 20013C            | 2P084C             |
| 96"            | 20016C            | 20017C            | 20018C            | 20019C            | 20020C            | 20021C            | 2P096C             |
| 120"           | 20032C            | 20033C            | 20034C            | 20035C            | 20036C            | 20037C            | 2P020C             |
| 144"           | 20048C            | 20049C            | 20050C            | 20051C            | 20052C            | 20053C            | 2P044C             |
| 168"           | -                 | 20065C            | 20066C            | 20067C            | 20068C            | 20069C            | 2P068C             |
| 192"           | -                 | 24001C            | 24002C            | 24003C            | 24004C            | 24005C            | 2P092C             |

\* 50" deep frame is for use with H.D. Plywood Beam. Allows use of standard 48" plywood deck without cutting for depth dimension.

### Rigidity Beams



Rigidity beams provide lateral stability when steel shelves are used. A minimum of 2 pairs of beams is required per unit. They are constructed of 3" high steel channels with return flanges, with a beam end connector welded to each end.

It is not necessary to place rigidity beams beneath each steel shelf. Rigidity Beams do not carry a load unless used to support wire decking. If used with wire decking, then use the Beam Brace/Heavy Duty Plywood Supports (shown on the page 22).

| Rigidity Beams |                     |                   |
|----------------|---------------------|-------------------|
| Unit Width     | Capacity Per Pair** | Cat. No. Per Pair |
| 48"            | 2500 lb             | 20315             |
| 60"            | 2140 lb             | 20316             |
| 72"            | 1780 lb             | 20317             |
| 84"            | 1580 lb             | 20318             |
| 96"            | 1340 lb             | 20319             |

\*\* Capacity per pair in pounds for evenly distributed load when used as load bearing members using Beam Braces/H.D. Plywood Supports as follows: 60" x 72" length, 1 Beam Brace; 84" x 96" length, 2 Beam Braces.

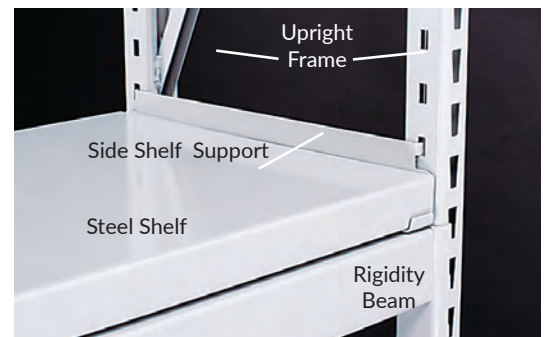
### Steel Shelves

Penco Steel Wide Span Shelves are the ultimate in providing a smooth, safe surface for storing a wide variety of items. They are 1-3/4" high and feature double flanges at front and rear edges with a full width reinforcing pan welded to the center of the bottom.

Each shelf requires a pair of Side Shelf Supports, which must be ordered separately. For 36", 42" and 48" depths, the appropriate number of 18" and 24" deep shelves are provided, and are installed together on the Side Shelf Supports to achieve the stated depth.

### Tire Rack Beams

Penco can supply special beams for installation on the aisle side that are slanted to accept passenger tires, while standard Rigidity Beams are used at the rear. Contact your Penco representative for more information on Tire Rack Units.



| Steel Shelves |          |            |          |            |          |            |          |            |          |            |
|---------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|
| Unit Depth    | 48" Wide |            | 60" Wide |            | 72" Wide |            | 84" Wide |            | 96" Wide |            |
|               | Cat. No. | Capacity * | Cat. No. | Capacity * | Cat. No. | Capacity * | Cat. No. | Capacity * | Cat. No. | Capacity * |
| 18"           | 22418C   | 1200 lb    | 22518C   | 1200 lb    | 22618C   | 1000 lb    | 22718C   | 800 lb     | 22818C   | 600 lb     |
| 24"           | 22424C   | 1500 lb    | 22524C   | 1200 lb    | 22624C   | 1000 lb    | 22724C   | 800 lb     | 22824C   | 600 lb     |
| 30"           | 22430C   | 2300 lb    | 22530C   | 1800 lb    | 22630C   | 1500 lb    | 22730C   | 1200 lb    | 22830C   | 900 lb     |
| 36"           | 22436C   | 2400 lb    | 22536C   | 2400 lb    | 22636CC  | 2000 lb    | 22736C   | 1600 lb    | 22836C   | 1200 lb    |
| 42"           | 22442C   | 2000 lb    | 22542C   | 2000 lb    | 22642C   | 2000 lb    | 22742C   | 1600 lb    | 22842C   | 1200 lb    |
| 48"           | 22448C   | 1800 lb    | 22548C   | 1800 lb    | 22648C   | 1800 lb    | 22748C   | 1600 lb    | 22848C   | 1200 lb    |

\* NOTE: Shelf capacities in pounds, evenly distributed.



## Specifications

### COMPONENTS

**Upright Frames:** Penco Wide Span Upright Frames are made from heavy gauge steel, MIG welded into one rigid assembly containing posts, diagonal and horizontal braces and foot plates. There is no assembly required. Many sizes are available. Posts are punched on the face to provide positive independent beam placement on 2" vertical centers. The posts are marked on 12" centers to facilitate placement of shelf levels. A slot on each side of the post accepts a nib on the end of each beam, to lock it in place. Frames have a capacity of 7,500 pounds with a 1.92 safety factor where vertical beam spacing does not exceed 60".

**Rigidity Beams:** Rigidity beams provide lateral stability for the shelving; a minimum of two pairs of beams is required per unit. They are constructed of 3" high steel channels with return flanges and a beam end connector welded to each end. Beams are supplied in even foot lengths from 4' through 8'. Clearance between upright frames is 1/4" more than stated beam size. If the beams are being used as load bearing members, then Beam Braces are required. All Wide Span Beams have a patented Beam Lock that secures the beam end to the upright post to retard accidental beam dislodging. An embossed nib on the beam end engages a slot on the side on the upright post, which holds the beam end tight against the post (U. S. Patent No. 4,928,834). Can be disengaged with a mallet. It is normally not necessary to place rigidity beams beneath each steel shelf.

**Steel Shelves:** Penco Steel Wide Span Shelves are the ultimate in providing a smooth, safe surface for storing a wide variety of items. They are 1-3/4" high and feature double flanges at front and rear edges with a full width reinforcing pan welded to the center of the bottom. Each shelf requires a pair of Side Shelf Supports, which must be ordered separately. For 36", 42" and 48" depths, the appropriate number of 18" and 24" deep shelves are provided, and are installed together on the Side Shelf Supports to achieve the stated depth.

**Side Shelf Supports:** Heavy gauge steel angles which support steel shelves. Each support engages the upright frame at four points. One or more tangs stamped into the surface engages the reinforcing pan on the shelf bottom to prevent accidental dislodging of the shelf. One pair is required for each steel shelf.

**Rigid Wall Brackets:** Used to fasten upright frames to the wall for sturdy single row applications. Includes hardware to fasten to frame.

**Rigid Row Spacers:** Used to space and join back-to-back shelving units. Adds rigidity to double row applications. Includes hardware.

**PLYWOOD USED IN LIEU OF STEEL SHELVES:** Special beams and supports are used when plywood, pressed wood, particle board, oriented strand board or other composition type panels are used in place of steel shelves (these deck materials must be purchased separately). Two beam types are available: Standard Plywood Beams, and Heavy Duty Plywood Beams. Each is manufactured an extra 1/2" long to facilitate placement of full foot lengths of decking. Each uses a different type of front to back support for the decking material. Neither can be used in the same unit or bay with standard rigidity beams, because the lengths are different.

**Standard Plywood Beams:** Designed to support 1/2" thick deck material flush with top of beam flange when used with the appropriate number of Plywood Support Angles (ordered separately) which insert into slots in beam step. Overall height is 3-1/2". Beam step is 1-1/2" deep by 5/8" high. A 48" deep deck will fit between beams without trimming when a 48" deep upright frame is used.

**Heavy Duty Plywood Beams:** These beams can support a greater load than Standard Plywood Beams, and have a flush front facing the aisle. Requires the use of Beam Brace/Heavy Duty Plywood Supports which are ordered separately. A full 48" x 96" deck will fit on a pair of 96-1/2" beams when 50" deep upright frames are used. Heavy Duty Plywood Beams can be used in the same unit or bay with Standard Plywood Beams, however the depth of the decking material must be trimmed for the heavy duty beams (i.e. deck must be trimmed to 2" less depth than the depth of the upright frame.)

**Standard Plywood Support Angles:** Standard Plywood Support Angles fit into the slots in the beam step of Standard Plywood Beams. Order separately from beams. Order two per pair of 48-1/2" & 60-1/2" beams; three for 72-1/2" & 84-1/2" beams; four for 96-1/2" beams.

**Beam Brace/Heavy Duty Plywood Support:** This item fits easily into the inside of the beam opening and has two functions: A) When Rigidity Beams are used as load bearing members, the Beam Braces are used to keep the beams from twisting; B) When used with Heavy Duty Plywood Beams they are used as Plywood supports. Use a minimum of two supports per pair of beams. Use more if required by your load condition.

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

## RivetRite Introduction

### RivetRite Universal Shelf Framing System

We call RivetRite the Universal Shelf Framing System because so many storage requirements can be met with only a few simple components. RivetRite is engineered to provide safe, economical storage of virtually any type of hand-loaded material. Structural integrity is ensured by a rigid boltless connection between beams and posts.

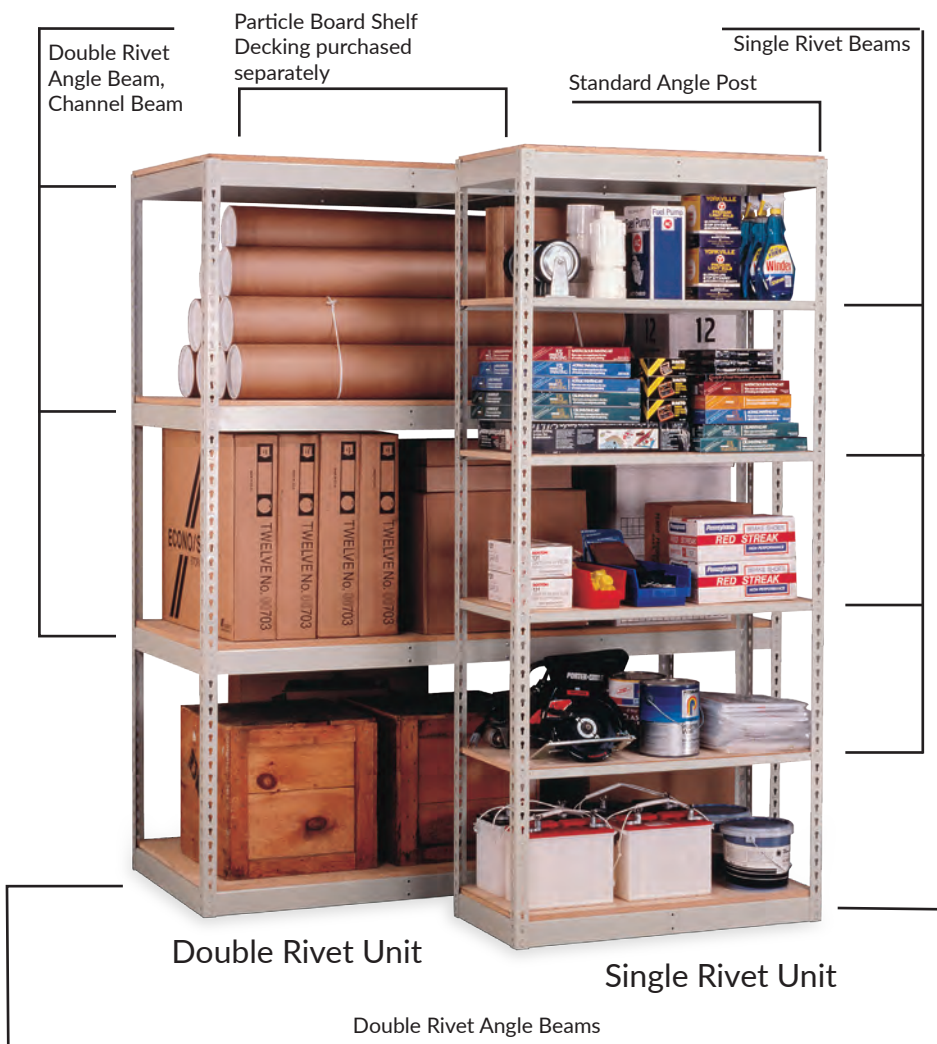
RivetRite offers the following to help solve your storage problems:

- Economical – your shelving dollar goes a long way
- Easy assembly without special tools - all you need is a rubber mallet to assemble most units
- Access to contents from all four sides - no braces to get in the way
- Shelves adjustable on 1-1/2" centers- allows you to custom design unit to fit your load size
- A variety of beams to accommodate a wide range of loads - you buy the capacity you need
- Finished in durable powder coat enamel - baked on for permanence. Available in 028 Gray or 723 Light Putty
- Order by pre-configured UNITS or by individual components



### Components

RivetRite shelving is comprised of 4 types of posts for the vertical members and various horizontal support members. In this way it is possible to order by components to tailor the shelving to the items to be stored.

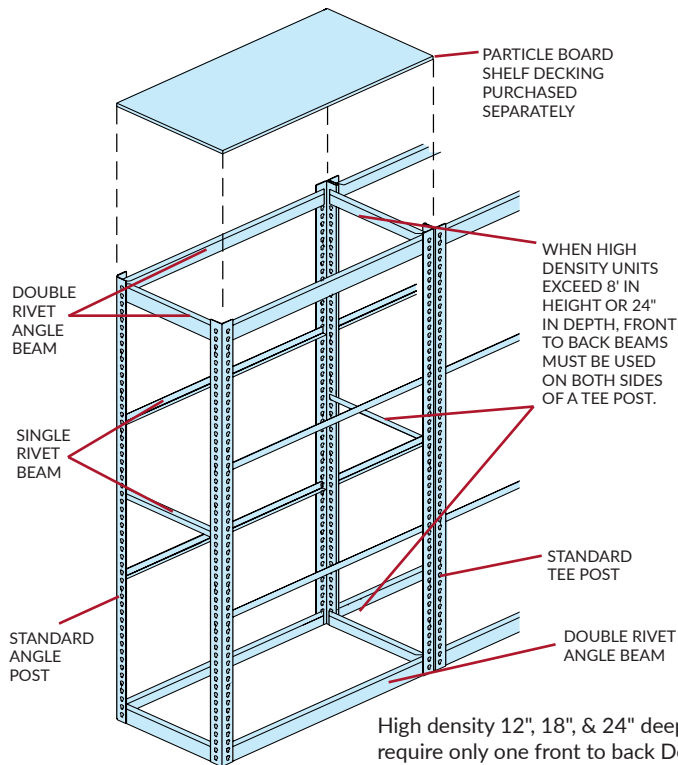


(Double Rivet Beams are ALWAYS used for the full perimeter at the TOP and BOTTOM of ALL

## Building Your RivetRite® Units

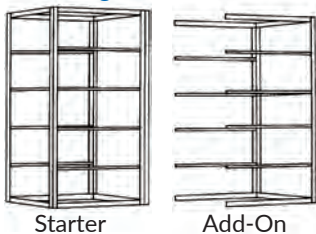
### Single Rivet High Density Units

Single Rivet high density shelving uses single rivet beams on intermediate levels, and double rivet beams at the top and bottom for rigidity. For units up to 48" wide.

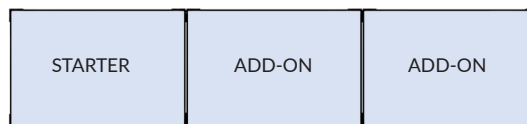


High density 12", 18", & 24" deep Add-On Units require only one front to back Double Rivet Angle Beam at unit top and bottom and one Single Rivet Shelf Beam for front to back at unit center.

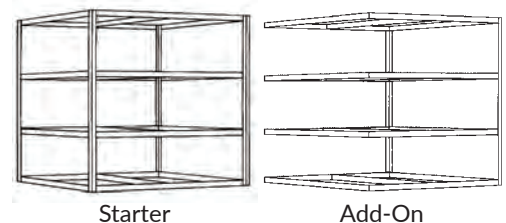
#### Single Rivet Units



### Starters and Adders

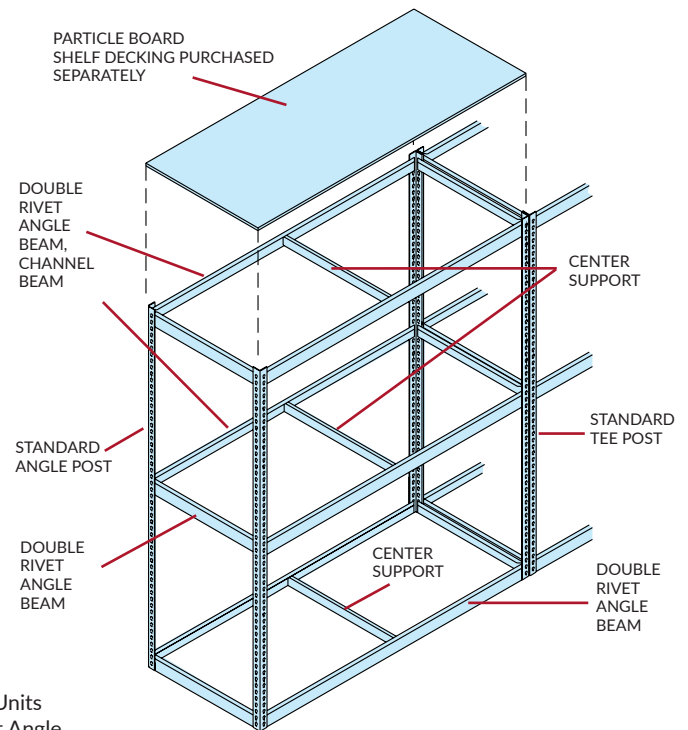


#### Double Rivet Units



### Double Rivet Bulky Storage Units

Double Rivet bulky storage units use double rivet for strength and rigidity. For units up to 96" wide.



Starter and Add-On units are combined to form economical rows of shelving. Each Add-On unit includes a pair of tee posts which are used in common between units. This reduces assembly time and the number of parts required. Begin each row with two angle posts from the starter unit and join the desired number of add-on units to complete the row. Finish the last unit with a pair of angle posts from the starter unit. All dimensions in the tables are in inches and are subject to change without notice.

### Steps for Selecting Your RivetRite® Units

1. Review the catalog and decide what type of unit will meet your requirement.
2. Determine the shelf size desired and select the capacity needed. Note the capacity shown is for the steel structure only.
3. Next determine the type of shelf deck material and calculate the quantity. Note that none of the unit catalog numbers include decking. Decking must be purchased separately.
4. All starter units are furnished with four Angle Posts. Add-on units have two intermediate Tee Posts. When assembling units, always

5. put the Angle Posts at the extreme ends of the shelving row. Note that shelving growth will always occur; see Growth Chart on pg. 33.
5. When ordering piece parts from the Component Parts pages of the catalog, contact your Penco representative for guidance on piece part capacities and product application to ensure structural integrity.



## Single Rivet Units: Up to 48" Wide

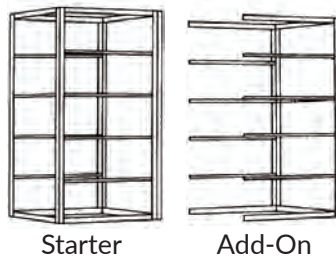
### Single Rivet High Density Units

Single Rivet High Density shelving uses single rivet beams on intermediate levels, and double rivet beams on all four sides at the top and bottom for rigidity. For units up to 48" wide.

Starter and add-on units are combined to form economical rows of shelving. Each add-on unit includes a pair of tee posts which are used in common between units. This reduces assembly time and the number of parts required. Begin each row with two angle posts from the starter unit and join the desired number of add-on units to complete the row. Finish the last unit with a pair of angle posts from the starter unit.

All intermediate shelves on units that exceed 24" deep utilize single rivet beams for front to back shelf deck support.

Units 12", 18" and 24" deep include one pair of single rivet beams for intermediate use front to back.



Starter

Add-On

- High Density Single Rivet Shelf Beams provide maximum space between shelf levels
- Common tee posts between starter and add-on unit
- Shelf levels adjust on 1-1/2" centers
- Fast easy assembly
- No special tools needed
- Optional heavy duty single rivet shelf beams available for added capacity



\* Capacities shown are for the steel support beams, not the shelf deck material. For higher support beam capacity, see "RivetRite Components".

Capacities are in pounds for evenly distributed loads. All unit catalog numbers include metal framing only. Shelf deck material must be ordered separately.

### Single Rivet High Density Units (84" High)

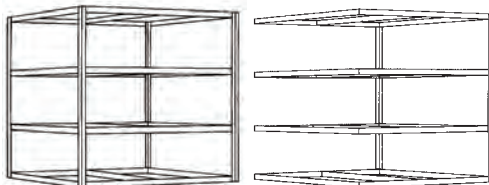
| Unit Width        | Shelf Depth | Shelf Capacity* | 5 Shelf Cat. No. | 6 Shelf Cat. No. | 7 Shelf Cat. No. | 8 Shelf Cat. No. |
|-------------------|-------------|-----------------|------------------|------------------|------------------|------------------|
| 36" Starter Units | 12"         | 350             | 461315           | 461316           | 461317           | 461318           |
|                   | 18"         | 350             | 461325           | 461326           | 461327           | 461328           |
|                   | 24"         | 350             | 461335           | 461336           | 461337           | 461338           |
|                   | 36"         | 350             | 461345           | 461346           | 461347           | 461348           |
| 36" Add-On Units  | 12"         | 350             | 462355           | 462356           | 462357           | 462358           |
|                   | 18"         | 350             | 462365           | 462366           | 462367           | 462368           |
|                   | 24"         | 350             | 462375           | 462376           | 462377           | 462378           |
|                   | 36"         | 350             | 462385           | 462386           | 462387           | 462388           |
| 48" Starter Units | 12"         | 250             | 461415           | 461416           | 461417           | 461418           |
|                   | 18"         | 250             | 461425           | 461426           | 461427           | 461428           |
|                   | 24"         | 250             | 461435           | 461436           | 461437           | 461438           |
|                   | 36"         | 250             | 461445           | 461446           | 461447           | 461448           |
| 48" Add-On Units  | 12"         | 250             | 462455           | 462456           | 462457           | 462458           |
|                   | 18"         | 250             | 462465           | 462466           | 462467           | 462468           |
|                   | 24"         | 250             | 462475           | 462476           | 462477           | 462478           |
|                   | 36"         | 250             | 462485           | 462486           | 462487           | 462488           |

## Double Rivet Units: Up to 96" Wide



### Double Rivet Units

Double Rivet Units use the same posts and top and bottom perimeter beams as single rivet units, however all intermediate beams are of double rivet construction. Units are either 84" or 120" high. Some units have center supports for higher capacity and some units have channel beams in place of angle beams for heavier loads.



Starter

Add-On



### Double Rivet Bulky Storage Units (With 4 Shelves - 84" High)

| Unit Width     | Beam Type        | Shelf Depth | WITHOUT Center Support |                  |                 | WITH Center Support |                  |                 |
|----------------|------------------|-------------|------------------------|------------------|-----------------|---------------------|------------------|-----------------|
|                |                  |             | Shelf Capacity*        | Starter Cat. No. | Add-On Cat. No. | Shelf Capacity*     | Starter Cat. No. | Add-On Cat. No. |
| 48" Wide Units | Heavy Duty Angle | 18"         | 750                    | 46001H           | 46006H          | 1400                | 46W01H           | 46W06H          |
|                |                  | 24"         | 750                    | 46002H           | 46007H          | 1400                | 46W02H           | 46W07H          |
|                |                  | 30"         | 750                    | 46003H           | 46008H          | 1310                | 46W03H           | 46W08H          |
|                |                  | 36"         | 750                    | 46004H           | 46009H          | 1220                | 46W04H           | 46W09H          |
|                |                  | 48"         | 750                    | 46005H           | 46010H          | 1125                | 46W05H           | 46W10H          |
| 60" Wide Units | Heavy Duty Angle | 18"         | 600                    | 46011H           | 46016H          | 1200                | 46W11H           | 46W16H          |
|                |                  | 24"         | 600                    | 46012H           | 46017H          | 1200                | 46W12H           | 46W17H          |
|                |                  | 30"         | 600                    | 46013H           | 46018H          | 1200                | 46W13H           | 46W18H          |
|                |                  | 36"         | 600                    | 46014H           | 46019H          | 1200                | 46W14H           | 46W19H          |
|                |                  | 48"         | 600                    | 46015H           | 46020H          | 1200                | 46W15H           | 46W20H          |
|                | Channel          | 18"         | -                      | -                | -               | 2240 (1)            | 46W01C           | 46W06C          |
|                |                  | 24"         | -                      | -                | -               | 2240 (1)            | 46W02C           | 46W07C          |
|                |                  | 30"         | -                      | -                | -               | 2240 (1)            | 46W03C           | 46W08C          |
|                |                  | 36"         | -                      | -                | -               | 2240 (1)            | 46W04C           | 46W09C          |
|                |                  | 48"         | -                      | -                | -               | 2240 (1)            | 46W05C           | 46W10C          |
| 72" Wide Units | Heavy Duty Angle | 18"         | 500                    | 46021H           | 46026H          | 1000                | 46W21H           | 46W26H          |
|                |                  | 24"         | 500                    | 46022H           | 46027H          | 1000                | 46W22H           | 46W27H          |
|                |                  | 30"         | 500                    | 46023H           | 46028H          | 1000                | 46W23H           | 46W28H          |
|                |                  | 36"         | 500                    | 46024H           | 46029H          | 1000                | 46W24H           | 46W29H          |
|                |                  | 48"         | 500                    | 46025H           | 46030H          | 1000                | 46W25H           | 46W30H          |
|                | Channel          | 18"         | -                      | -                | -               | 1850                | 46W11C           | 46W16C          |
|                |                  | 24"         | -                      | -                | -               | 1850                | 46W12C           | 46W17C          |
|                |                  | 30"         | -                      | -                | -               | 1850                | 46W13C           | 46W18C          |
|                |                  | 36"         | -                      | -                | -               | 1850                | 46W14C           | 46W19C          |
|                |                  | 48"         | -                      | -                | -               | 1850                | 46W15C           | 46W20C          |
| 96" Wide Units | Heavy Duty Angle | 18"         | -                      | -                | -               | 620                 | 46W31H           | 46W36H          |
|                |                  | 24"         | -                      | -                | -               | 620                 | 46W32H           | 46W37H          |
|                |                  | 30"         | -                      | -                | -               | 620                 | 46W33H           | 46W38H          |
|                |                  | 36"         | -                      | -                | -               | 620                 | 46W34H           | 46W39H          |
|                |                  | 48"         | -                      | -                | -               | 620                 | 46W35H           | 46W40H          |
|                | Channel          | 18"         | -                      | -                | -               | 1400                | 46W21C           | 46W26C          |
|                |                  | 24"         | -                      | -                | -               | 1400                | 46W22C           | 46W27C          |
|                |                  | 30"         | -                      | -                | -               | 1400                | 46W23C           | 46W28C          |
|                |                  | 36"         | -                      | -                | -               | 1400                | 46W24C           | 46W29C          |
|                |                  | 48"         | -                      | -                | -               | 1400                | 46W25C           | 46W30C          |

### Double Rivet Bulky Storage Units (With 5 Shelves - 120" High)

| Unit Width     | Beam Type        | Shelf Depth | WITHOUT Center Support |                  |                 | WITH Center Support |                  |                 |
|----------------|------------------|-------------|------------------------|------------------|-----------------|---------------------|------------------|-----------------|
|                |                  |             | Shelf Capacity*        | Starter Cat. No. | Add-On Cat. No. | Shelf Capacity*     | Starter Cat. No. | Add-On Cat. No. |
| 72" Wide Units | Heavy Duty Angle | 30"         | 500                    | 46041H           | 46044H          | 1000                | 46W41H           | 46W44H          |
|                |                  | 36"         | 500                    | 46042H           | 46045H          | 1000                | 46W42H           | 46W45H          |
|                |                  | 48"         | 500                    | 46043H           | 46046H          | 1000                | 46W43H           | 46W46H          |
|                | Channel          | 30"         | -                      | -                | -               | 1850 (2)            | 46W31C           | 46W34C          |
|                |                  | 36"         | -                      | -                | -               | 1850 (2)            | 46W32C           | 46W35C          |
|                |                  | 48"         | -                      | -                | -               | 1850 (2)            | 46W33C           | 46W36C          |
| 96" Wide Units | Heavy Duty Angle | 30"         | -                      | -                | -               | 620                 | 46W47H           | 46W50H          |
|                |                  | 36"         | -                      | -                | -               | 620                 | 46W48H           | 46W51H          |
|                |                  | 48"         | -                      | -                | -               | 620                 | 46W49H           | 46W52H          |
|                | Channel          | 30"         | -                      | -                | -               | 1400                | 46W37C           | 46W40C          |
|                |                  | 36"         | -                      | -                | -               | 1400                | 46W38C           | 46W41C          |
|                |                  | 48"         | -                      | -                | -               | 1400                | 46W39C           | 46W42C          |

\*Capacities shown are for the steel support beams, not the shelf deck material. For higher support beam capacity, see "RivetRite Components". Capacities are in pounds for evenly distributed loads. All unit catalog numbers include metal framing only. Shelf deck material must be ordered separately. All Double Rivet Bulky Storage Units with Channel Beams are furnished with Heavy Duty Double Rivet Angle Beams (left to right) at the bottom level. (1) - Max. Average Shelf Load 2000# per shelf. (2) - Max. Shelf Load 1490# per shelf.



80 Box Unit with Decking  
Cat. No. 46604A  
(Order decking separately)

(Boxes are not Included)

## Keep Your Records Organized!

- Assembles without special tools
- Records can be retrieved from both sides
- Units can be added as needed
- 42" wide units hold 3 boxes across
- 69" wide units hold 5 boxes across
- Various unit heights are available

## Record Storage Shelving

### Record Storage Units

RivetRite Record Storage Units aid in records management by providing an organized solution for high density archive storage applications.

Add-on units utilize a common Tee Post between units to save time during assembly.

### Record Storage Units

For Use With Decking (order deck material separately)

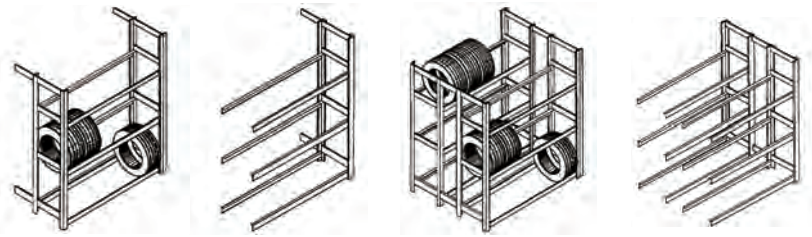
| Unit Width | Unit Depth | Unit Height | No. of Shelves | No. of Boxes* | Starter Cat. No. | Add-On Cat. No. |
|------------|------------|-------------|----------------|---------------|------------------|-----------------|
| 42"        | 15"        | 84"         | 4              | 24            | 46601A           | 46613A          |
| 42"        | 30"        | 84"         | 4              | 48            | 46602A           | 46614A          |
| 69"        | 15"        | 84"         | 4              | 40            | 46603A           | 46615A          |
| 69"        | 30"        | 84"         | 4              | 80            | 46604A           | 46616A          |
| 42"        | 15"        | 108"        | 5              | 30            | 46605A           | 46617A          |
| 42"        | 30"        | 108"        | 5              | 60            | 46606A           | 46618A          |
| 69"        | 15"        | 108"        | 5              | 50            | 46607A           | 46619A          |
| 69"        | 30"        | 108"        | 5              | 100           | 46608A           | 46620A          |

## Inventory Systems



### Tire Storage Rack

Penco RivetRite® Tire Racks provide for the neat organized storage of standard automobile or light truck tires. Specially designed beams with a 30° flange on the top securely cradle the tires. Available in Single-Row, (12" deep units with 9" Wall Ties) and Double-Row, (two 12" deep units separated by 18" Double Row Spacers). Unit depth shown includes wall ties/row spacers. Deeper units are available to accommodate larger SUV tires.



Single Row Starter

Single Row Add-On

Double Row Starter

Double Row Add-On

### Passenger Tire Storage Rack

#### Single Row

| Unit Width | Unit Depth | Unit Height | No. of Levels | Tire Capacity* | Starter Cat. No. | Add-On Cat. No. |
|------------|------------|-------------|---------------|----------------|------------------|-----------------|
| 60"        | 21"        | 84"         | 3             | 24             | 46351C           | 46451C          |
| 60"        | 21"        | 120"        | 4             | 32             | 46352C           | 46452C          |

#### Double Row

| Unit Width | Unit Depth | Unit Height | No. of Levels | Tire Capacity* | Starter Cat. No. | Add-On Cat. No. |
|------------|------------|-------------|---------------|----------------|------------------|-----------------|
| 60"        | 42"        | 84"         | 3             | 48             | 46355C           | 46455C          |
| 60"        | 42"        | 120"        | 4             | 64             | 46356C           | 46456C          |

### Tire Rack Upright Frames

| Unit Width               | Unit Depth | Unit Height | Basic Unit | Cat.    |
|--------------------------|------------|-------------|------------|---------|
| Single Row Starter Units |            |             |            |         |
| 60"                      | 24"        | 84"         |            | 46361TP |
| 60"                      | 24"        | 120"        |            | 46362TP |
| Single Row Add-On Units  |            |             |            |         |
| 60"                      | 24"        | 84"         |            | 46461TP |
| 60"                      | 24"        | 120"        |            | 46462TP |
| Double Row Starter Units |            |             |            |         |
| 60"                      | 48"        | 84"         |            | 46655TP |
| 60"                      | 48"        | 120"        |            | 46656TP |
| Double Row Add-On Units  |            |             |            |         |
| 60"                      | 48"        | 84"         |            | 46665TP |
| 60"                      | 48"        | 120"        |            | 46456TP |

NOTE: Tire rack capacities are based on average passenger tire sizes.

\*\* Supplied with Heavy Duty Posts.

## Components



### Muffler Storage Unit

Provides sturdy storage for mufflers or other inventory items. All double rivet beam construction. Available in 48" and 96" widths in both starter and add-on configurations.

| Muffler Storage Units |            |             |                  |                 |
|-----------------------|------------|-------------|------------------|-----------------|
| Unit Width            | Unit Depth | Unit Height | Starter Cat. No. | Add-On Cat. No. |
| 48"                   | 36"        | 84"         | 46801M           | 46803M          |
| 96"                   | 36"        | 84"         | 46802M           | 46804M          |



### Hanging Tailpipe Rack

Designed specifically for the storage of automotive and light truck tailpipes. Assembles in minutes without special tools. Stored items are visible and easily accessible. Hanging hooks are not provided by Penco.

| Hanging Tailpipe Rack |            |             |          |
|-----------------------|------------|-------------|----------|
| Clear Span            | Unit Depth | Unit Height | Cat. No. |
| 48"                   | 18"        | 120"        | 46901P   |
| 96"                   | 18"        | 120"        | 46902P   |

## Components

### Posts

#### Angle Posts

##### Standard Duty Angle:

1-1/2" x 1-1/2". Used as upright post for standard RivetRite units. All Angle Posts allow for beam adjustments on 1-1/2" centers.

##### Heavy Duty Angle:

1-7/8" x 1-7/8". When greater capacity and stability are essential, the heavy duty angle post is the proper choice. Ideally suited for two level shelving, storage deck and high rise shelving applications.



### Tee Posts Standard Duty Tee:

3" x 1-1/2". Included with standard duty add-on units to function as a common post between the starter unit and adjoining units. All Tee Posts allow for beam adjustment on 1-1/2" centers.

### Heavy Duty Tee:

3-3/4" x 1-7/8". Used in the same way as the standard tee, when increased load capacities are required.

| RivetRite® Posts |      |                   |                   |
|------------------|------|-------------------|-------------------|
| Item Desc.       | Size | Standard Cat. No. | Hvy Duty Cat. No. |
| Angle Posts      | 36"  | 46AS03C           | -                 |
|                  | 48"  | 46AS04C           | -                 |
|                  | 60"  | 46AS05C           | -                 |
|                  | 72"  | 46AS06C           | -                 |
|                  | 84"  | 46AS07C           | -                 |
|                  | 96"  | 46AS08C           | 46AH08C           |
|                  | 108" | 46AS09C           | -                 |
|                  | 120" | 46AS10C           | 46AH10C           |
| Tee Posts        | 36"  | 46TS03C           | -                 |
|                  | 48"  | 46TS04C           | -                 |
|                  | 60"  | 46TS05C           | -                 |
|                  | 72"  | 46TS06C           | -                 |
|                  | 84"  | 46TS07C           | -                 |
|                  | 96"  | 46TS08C           | 46TH08C           |
|                  | 108" | 46TS09C           | -                 |
|                  | 120" | 46TS10C           | 46TH10C           |

## Beams

### Single Rivet Shelf Beams Standard Duty Single Rivet "SS":

Primarily used as an intermediate shelf support when maximum vertical space between levels is needed. Furnished as standard on High Density Shelving units.

### Heavy Duty Single Rivet "HS":

Manufactured to provide greater capacity with very little loss of usable vertical space between shelves.

### Double Rivet Angle Beams Standard Duty "SB":

Used to establish unit stability and to provide shelf support on all four sides.

## Components

### Heavy Duty "HB":

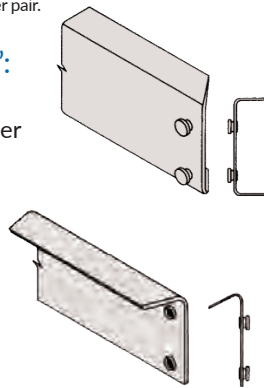
Provides stability and increased load capacity in the longer lengths.

| RivetRite® Beams         |             |                   |                   |         |
|--------------------------|-------------|-------------------|-------------------|---------|
| Item Desc.               | Size        | Standard Cat. No. | Hvy Duty Cat. No. |         |
| Single Rivet Shelf Beams | 12"         | 46SS12C           | -                 |         |
|                          | 15"         | 46SS15C           | -                 |         |
|                          | 18"         | 46SS18C           | -                 |         |
|                          | 24"         | 46SS24C           | -                 |         |
|                          | 30"         | 46SS30C           | -                 |         |
|                          | 36"         | 46SS36C           | -                 |         |
| "SS" & "HS"              | 42"         | 46SS42C           | -                 |         |
|                          | 48"         | 46SS48C           | 46HS48C**         |         |
| Double Rivet Angle Beams | 12"         | 46SB12C           | -                 |         |
|                          | 15"         | 46SB15C           | -                 |         |
|                          | 18"         | 46SB18C           | -                 |         |
|                          | 24"         | 46SB24C           | -                 |         |
|                          | 30"         | 46SB30C           | -                 |         |
|                          | 36"         | 46SB36C           | -                 |         |
|                          | 42"         | 46SB42C           | -                 |         |
|                          | "SB" & "HB" | 48"               | -                 | 46HB48C |
|                          |             | 60"               | -                 | 46HB60C |
|                          |             | 69"               | -                 | 46HB69C |
|                          |             | 72"               | -                 | 46HB72C |
|                          |             | 84"               | -                 | 46HB84C |
|                          | 96"         | -                 | 46HB96C           |         |

\* Heavy Duty 36" support beam capacity is 600 lb. per pair.  
 \*\* Heavy Duty 48" support beam capacity is 500 lb. per pair.

### Double Rivet Channel Beams "CB":

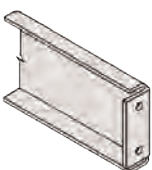
3" x 1". Channel is designed to provide maximum left to right stability and higher capacity than standard or heavy duty beams. Cannot be used at floor level. The top flange has holes for fastening decking.



### Tire Rack Beams "TB":

2-3/4" high - For left to right shelf support of tires. 30 degree angle on supporting edge of tire rack beam.

| Beams, Continued                |      |                   |
|---------------------------------|------|-------------------|
| Item Desc.                      | Size | Standard Cat. No. |
| Double Rivet Channel Beams "CB" | 60"  | 46CB60C           |
|                                 | 72"  | 46CB72C           |
|                                 | 84"  | 46CB84C           |
|                                 | 96"  | 46CB96C           |
| Tire Rack Beams "TB"            | 48"  | 46TB48C           |
|                                 | 60"  | 46TB60C           |



### Center Support:

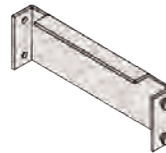
Used with double rivet beams to provide front-to-rear support for shelf deck and provides added stability to beams. Hardware included.



### Post Splice:

1-3/8" x 1-3/8". Used to extend posts. Order one per angle post. Order two per tee post. Note: installs on the outside of the post.

| Beams, Center Supports & Splice |                 |                   |
|---------------------------------|-----------------|-------------------|
| Item Desc.                      | Size            | Standard Cat. No. |
| Center Support with Hardware    | 12"             | 46CS12            |
|                                 | 15"             | 46CS15            |
|                                 | 18"             | 46CS18            |
|                                 | 24"             | 46CS24            |
|                                 | 30"             | 46CS30            |
|                                 | 36"             | 46CS36            |
|                                 | 42"             | 46CS42            |
| 48"                             | 46CS48          |                   |
| Post Splice                     | 1-3/8" x 1-3/8" | 46PS0H            |



### Wall Tie:

Used to secure units to wall and provide space between wall and attached units. Hardware is not included.

### Double Row and Top Ties:

Designed to space back-to-back units and to top-tie rows across aisles for additional stability.



### Concrete Anchors:

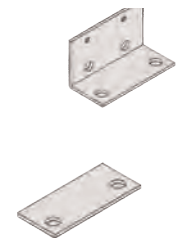
Used to secure posts to the floor (foot plates are used). Available in 2 lengths; the 2-1/4" length is sufficient for most usage, but areas with a high seismic rating may require the 3-3/4" length.



### Foot Plate & Shim:

Foot Plate includes hardware, for anchoring angle and tee posts to the floor. NOTE: foot plate cannot be used if there is a double rivet channel beam at the lowest point.

Shim (14 ga.) is for placement beneath footplate if floor is uneven.



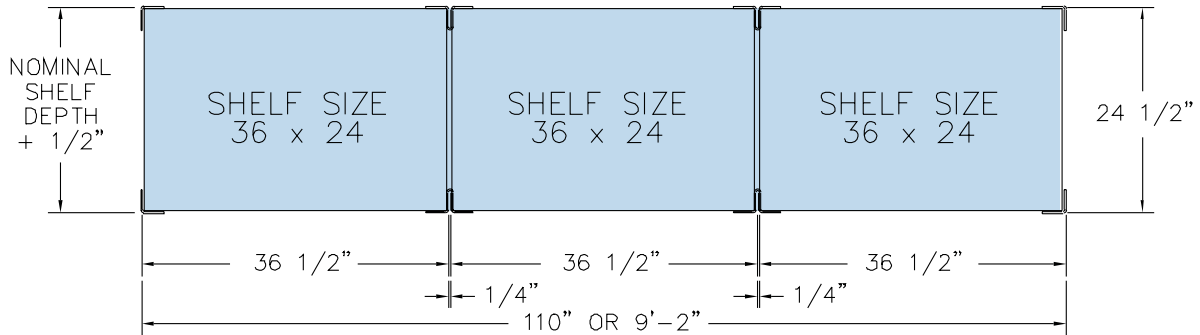
| Ties and Anchors        |               |               |
|-------------------------|---------------|---------------|
| Description             | Size          | Std. Cat. No. |
| Wall Tie                | 9-1/4"        | 46WT09C       |
| Double Row and Top Ties | 18-1/4"       | 46RT18C       |
| Concrete Anchors        | 3/8" x 2-1/4" | 9280          |
|                         | 3/8" x 3-3/4" | 9281          |
| Foot Plate              | -             | 46FP0H        |
| Shim (plated)           | 3-1/2" x 2"   | 46FPS00Z      |



## Technical Information - Growth/Width/Beams

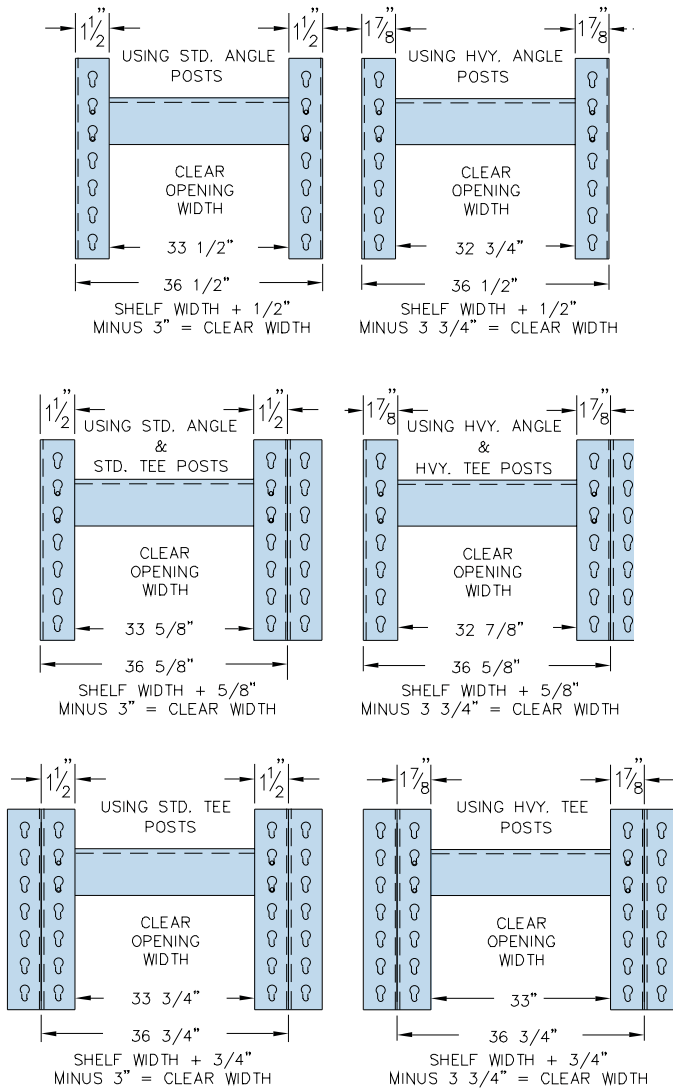
### Unit Growth Chart

WHEN DESIGNING A SHELVING LAYOUT, UNIT GROWTH MUST BE CONSIDERED. TO DETERMINE THE OVERALL DIMENSION OF A CONTINUOUS ROW OF SHELVING EMPLOYING TEE POSTS OR ANGLE POST WITH TIE PLATES.

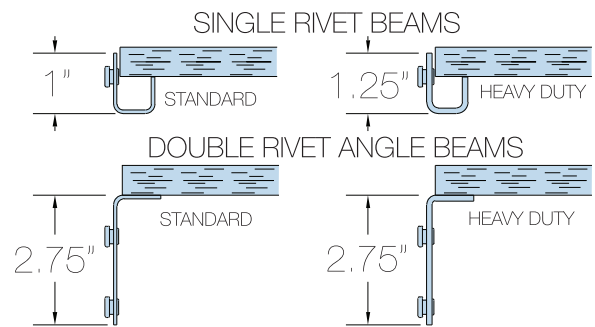


### Unit Clear Width

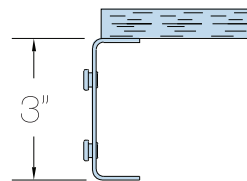
EXAMPLES BELOW ARE BASED ON 36" WIDE SHELF



### Beam Profiles



### DOUBLE RIVET CHANNEL



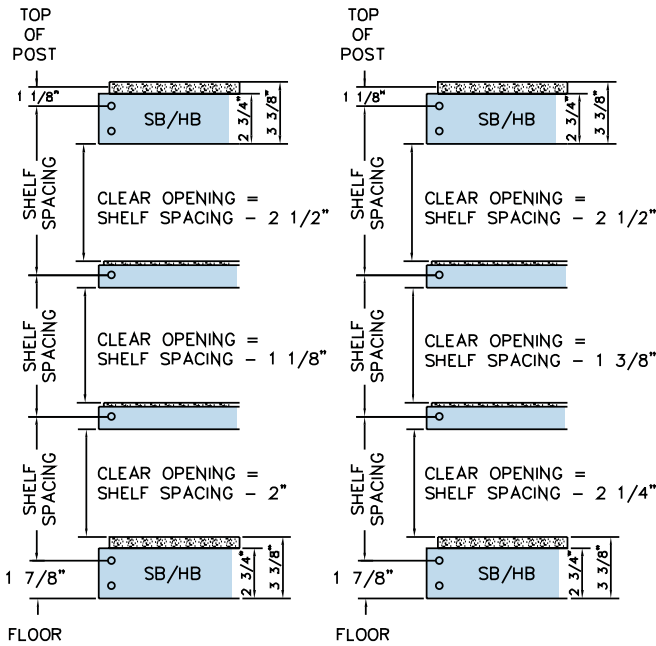
# Technical Information - Vertical Clear Openings

## Vertical Clear Opening Using 5/8" Shelf Deck Material

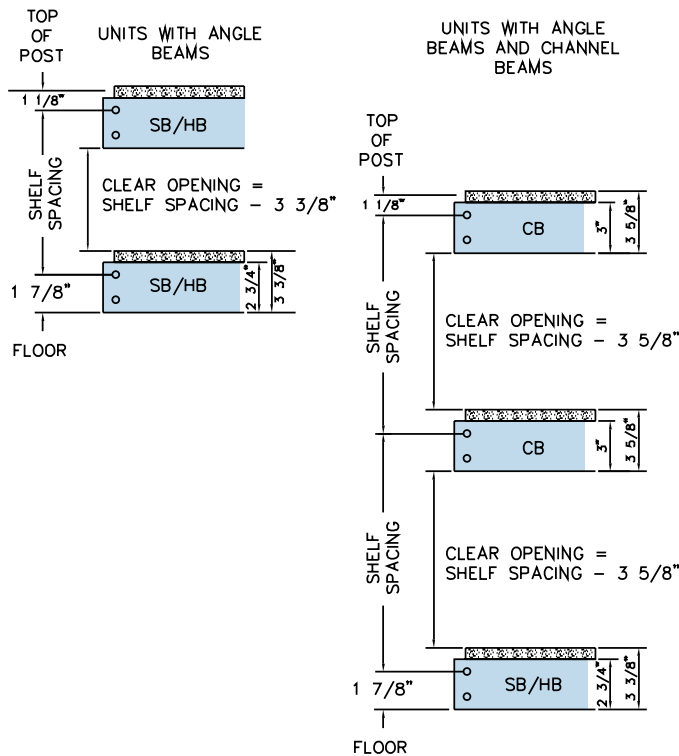
### UNITS USING SINGLE RIVET SHELF BEAMS

UNITS WITH STANDARD DUTY SINGLE RIVET BEAMS (DBL. RIVET AT TOP and BOTTOM)

UNITS WITH HEAVY DUTY SINGLE RIVET BEAMS (DBL. RIVET AT TOP and BOTTOM)



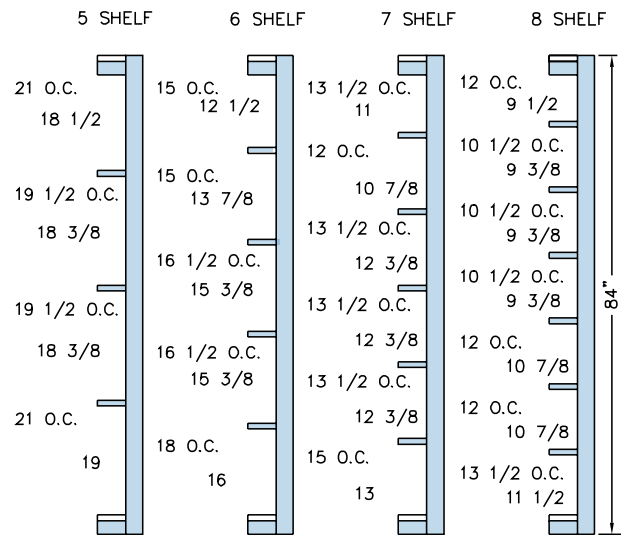
### UNITS USING ANGLE AND CHANNEL BEAMS



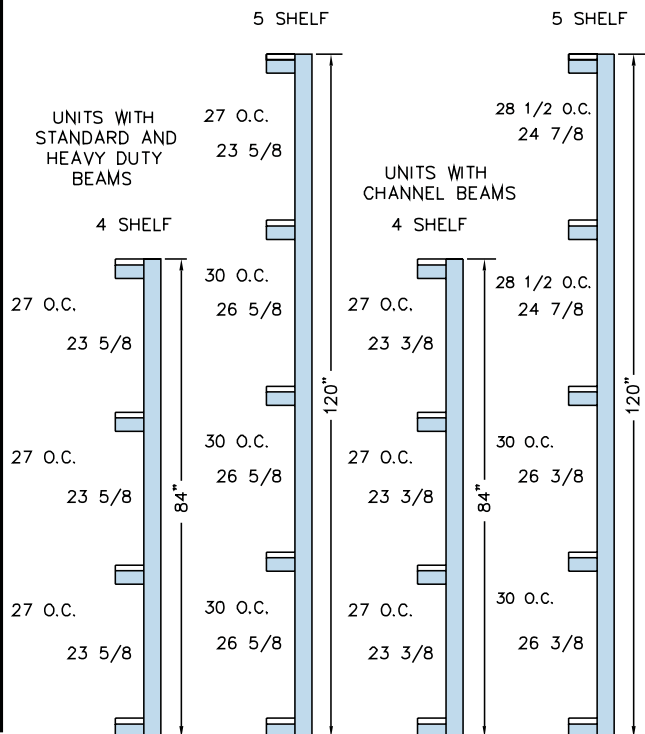
### VERTICAL SHELF CLEARANCE

THIS CHART DEPICTS SHELF CLEARANCES FOR TYPICAL RIVET RITE SHELVING UNITS WITH 1 1/2" VERTICAL SHELF ADJUSTMENT.

#### SINGLE RIVET HIGH DENSITY SHELVING UNITS



#### DOUBLE RIVET BULKY SHELVING UNITS



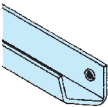
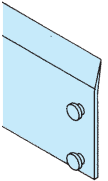
## QuickShip Components



### RivetRite® QuickShip Shelving Components




If you prefer to order RivetRite by its individual component, you can obtain many of the most popular sizes and accessories through the QuickShip program. By mixing beam sizes, you can create some sizes that are not available as pre-configured units on the previous page.

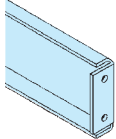
For detailed descriptions of components, see pages 31-32. All RivetRite QuickShip items are finished in 723 Light Putty powder coat paint. See beam capacities on page 37.

Shelf deck material is not available in the QuickShip program. It must be obtained outside the QuickShip program or purchased locally. Partial board not available through Penco. For cutting your own board, use the nominal shelf deck size and cut +0", -1/8".

| RivetRite® Beams   |      |          |  |
|--|------|----------|--|
| Item   | Size | Cat. No. |  |
| <br>Single Rivet Shelf Beams<br>"SS" & "HS"*   | 18"  | 46SS18P  |  |
|  | 24"  | 46SS24P  |  |
|  | 30"  | 46SS30P  |  |
|  | 36"  | 46SS36P  |  |
|  | 42"  | 46SS42P  |  |
|  | 48"  | 46SS48P  |  |
|  | 48"  | 46HS48P* |  |
| <br>Double Rivet Angle Beams<br>"SB" & "HB"* | 15"  | 46SB15P  |  |
|  | 18"  | 46SB18P  |  |
|  | 24"  | 46SB24P  |  |
|  | 30"  | 46SB30P  |  |
|  | 36"  | 46SB36P  |  |
|  | 42"  | 46SB42P  |  |
|  | 48"  | 46HB48P* |  |
|  | 72"  | 46HB72P* |  |
|  | 96"  | 46HB96P* |  |

| RivetRite® Posts  |      |          |  |
|---|------|----------|--|
| Item  | Size | Cat. No. |  |
|    | 72"  | 46AS06P  |  |
|   | 84"  | 46AS07P  |  |
|   | 96"  | 46AS08P  |  |
|  | 72"  | 46TS06P  |  |
|   | 84"  | 46TS07P  |  |
|   | 96"  | 46TS08P  |  |

| Miscellaneous Accessories   |                 |               |         |
|---|-----------------|---------------|---------|
| Item  | Size            | Cat. No.      |         |
|    | Tie Plate       | -             | 46TP00P |
|    | Foot Plate      | -             | 46FPOH  |
|  | Concrete Anchor | 3/8" x 2-1/4" | 9280    |

| Center Supports  |      |          |  |
|--|------|----------|--|
| Item   | Size | Cat. No. |  |
|  | 15"  | 46CS15P  |  |
|  | 18"  | 46CS18P  |  |
|  | 24"  | 46CS24P  |  |
|  | 30"  | 46CS30P  |  |
|  | 36"  | 46CS36P  |  |
|  | 48"  | 46CS48P  |  |



## QuickShip Shelving

### RivetRite® QuickShip Shelving Units

- Quick Shipment in attractive 723 Light Putty powder coat finish
- Economical
- Choice of beam types
- Accessibility on all four sides
- Beams adjust on 1-1/2" vertical centers
- Boltless construction for easy assembly
- Starter & Adder configurations with Angle & Tee Posts
- Accessories available: Anchors, Foot Plates, Tie Plates



NOTE: Shelf Deck material is NOT included with the units. You must obtain shelf deck material separately.

### Double Rivet Bulky Storage Units (With 4 Shelves - 84" High)

| Unit Width     | Shelf Depth | WITHOUT Center Support |                 | WITH Center Support |                 |
|----------------|-------------|------------------------|-----------------|---------------------|-----------------|
|                |             | Starter Cat. No.       | Add-On Cat. No. | Starter Cat. No.    | Add-On Cat. No. |
| 48" Wide Units | 18"         | 46001HP                | 46006HP         | 46W01HP             | 46W06HP         |
|                | 24"         | 46002HP                | 46007HP         | 46W02HP             | 46W07HP         |
|                | 30"         | 46003HP                | 46008HP         | 46W03HP             | 46W08HP         |
|                | 36"         | 46004HP                | 46009HP         | 46W04HP             | 46W09HP         |
| 60" Wide Units | 18"         | 46011HP                | 46016HP         | 46W11HP             | 46W16HP         |
|                | 24"         | 46012HP                | 46017HP         | 46W12HP             | 46W17HP         |
|                | 30"         | 46013HP                | 46018HP         | 46W13HP             | 46W18HP         |
|                | 36"         | 46014HP                | 46019HP         | 46W14HP             | 46W19HP         |
| 72" Wide Units | 18"         | 46021HP                | 46026HP         | 46W21HP             | 46W26HP         |
|                | 24"         | 46022HP                | 46027HP         | 46W22HP             | 46W27HP         |
|                | 30"         | 46023HP                | 46028HP         | 46W23HP             | 46W28HP         |
|                | 36"         | 46024HP                | 46029HP         | 46W24HP             | 46W29HP         |
| 96" Wide Units | 18"         | -                      | -               | 46W31HP             | 46W36HP         |
|                | 24"         | -                      | -               | 46W32HP             | 46W37HP         |
|                | 30"         | -                      | -               | 46W33HP             | 46W38HP         |
|                | 36"         | -                      | -               | 46W34HP             | 46W39HP         |
| 96" Wide Units | 48"         | -                      | -               | 46W35HP             | 46W40HP         |

### Double Rivet Bulky Storage Units (With 5 Shelves - 120" High)

| Unit Width     | Shelf Depth | WITHOUT Center Support |                 | WITH Center Support |                 |
|----------------|-------------|------------------------|-----------------|---------------------|-----------------|
|                |             | Starter Cat. No.       | Add-On Cat. No. | Starter Cat. No.    | Add-On Cat. No. |
| 72" Wide Units | 30"         | 46041HP                | 46044HP         | 46W41HP             | 46W44HP         |
|                | 36"         | 46042HP                | 46045HP         | 46W42HP             | 46W45HP         |
|                | 48"         | 46043HP                | 46046HP         | 46W43HP             | 46W46HP         |
| 96" Wide Units | 30"         | -                      | -               | 46W47HP             | 46W50HP         |
|                | 36"         | -                      | -               | 46W48HP             | 46W51HP         |
|                | 48"         | -                      | -               | 46W49HP             | 46W52HP         |

### Archive Shelving Units (For Use with Decking - 84" High)

| Unit Width        | Shelf Depth | 5 Shelf Cat. No. |
|-------------------|-------------|------------------|
| 42" Starter Units | 15"         | 46601AP          |
|                   | 30"         | 46602AP          |
| 42" Add-On Units  | 15"         | 46613AP          |
|                   | 30"         | 46614AP          |
| 69" Starter Units | 15"         | 46603AP          |
|                   | 30"         | 46604AP          |
| 69" Add-On Units  | 15"         | 46615AP          |
|                   | 30"         | 46616AP          |

### Single Rivet High Density Units (With Double Rivet Beams at Top/Bottom - 84" High)

| Unit Width        | Shelf Depth | 5 Shelf Cat. No. | 6 Shelf Cat. No. | 7 Shelf Cat. No. | 8 Shelf Cat. No. |
|-------------------|-------------|------------------|------------------|------------------|------------------|
| 36" Starter Units | 12"         | 461315P          | 461316P          | 461317P          | 461318P          |
|                   | 18"         | 461325P          | 461326P          | 461327P          | 461328P          |
|                   | 24"         | 461335P          | 461336P          | 461337P          | 461338P          |
|                   | 36"         | 461345P          | 461346P          | 461347P          | 461348P          |
| 36" Add-On Units  | 12"         | 462355P          | 462356P          | 462357P          | 462358P          |
|                   | 18"         | 462365P          | 462366P          | 462367P          | 462368P          |
|                   | 24"         | 462375P          | 462376P          | 462377P          | 462378P          |
|                   | 36"         | 462385P          | 462386P          | 462387P          | 462388P          |
| 48" Starter Units | 12"         | 461415P          | 461416P          | 461417P          | 461418P          |
|                   | 18"         | 461425P          | 461426P          | 461427P          | 461428P          |
|                   | 24"         | 461435P          | 461436P          | 461437P          | 461438P          |
|                   | 36"         | 461445P          | 461446P          | 461447P          | 461448P          |
| 48" Add-On Units  | 12"         | 462455P          | 462456P          | 462457P          | 462458P          |
|                   | 18"         | 462465P          | 462466P          | 462467P          | 462468P          |
|                   | 24"         | 462475P          | 462476P          | 462477P          | 462478P          |
|                   | 36"         | 462485P          | 462486P          | 462487P          | 462488P          |

### Touch Up Spray Paint - 12 oz.

Must be ordered with lockers, shelving, or RivetRite products.

723 Light Putty  
97723Z



Starter



Add-On

## Capacities

| RivetRite Post Capacity Chart   |                                     |                                       |
|---|-------------------------------------|---------------------------------------|
| Recommended safe loads (per post) for use only where seismic forces are not a factor.   |                                     |                                       |
| Beam Spacing (inches)   | Standard Angle Post Capacity (lbs.) | Heavy Duty Angle Post Capacity (lbs.) |
| 12  | 1530                                | 1735                                  |
| 18  | 1520                                | 1720                                  |
| 24  | 1510                                | 1695                                  |
| 30  | 1490                                | 1680                                  |
| 36  | 1350                                | 1660                                  |
| 42  | 990                                 | 1560                                  |
| 48  | 755                                 | 1195                                  |
| Beam Spacing (inches)   | Standard Tee Post Capacity (lbs.)   | Heavy Duty Tee Post Capacity (lbs.)   |
| 12  | 4725                                | 5045                                  |
| 18  | 4510                                | 4965                                  |
| 24  | 4210                                | 4850                                  |
| 30  | 3825                                | 4705                                  |
| 36  | 3350                                | 4525                                  |
| 42  | 2795                                | 4315                                  |
| 48  | 2180                                | 4075                                  |
| For beam spacing over 48", please contact Penco.  |                                     |                                       |
| Post capacities are based on the maximum vertical distance between left to right beams or front to back beams, whichever is greater. In single rivet beam units, the vertical distance between front to back beams will usually govern. |                                     |                                       |
| Tie plates must be spaced no more than 48 inches apart to insure structural stability when joining angle posts together.  |                                     |                                       |
| The above capacities are NOT intended for use when designing multi-level systems or for specific requirements where seismic forces are a factor. For specific multi-level or seismic requirements, contact your Penco District Manager. |                                     |                                       |

| RivetRite Beam Capacities<br>Recommended Safe Use Allowable<br>Uniformly Distributed<br>Hand Loaded Static Beam Loads |                  |                  |
|---|------------------|------------------|
| Length (in.)  | Cap./Pair (lbs.) | Deflection (in.) |
| <b>Single Rivet Shelf Beams</b>   |                  |                  |
| Standard Beams  |                  |                  |
| 36  | 350              | 0.25             |
| 42  | 300              | 0.30             |
| Heavy Duty Beams  |                  |                  |
| 48  | 500              | 0.34             |
| <b>Double Rivet Angle Beams</b>   |                  |                  |
| Standard Beams  |                  |                  |
| Without Center Supports (***)   |                  |                  |
| 36  | 1000             | ***              |
| 42  | 780              | ***              |
| Heavy Duty Beams  |                  |                  |
| Without Center Supports (***)   |                  |                  |
| 48  | 750              | ***              |
| 60  | 600              | ***              |
| 69  | 525              | ***              |
| 72  | 500              | ***              |
| With Center Supports (*)  |                  |                  |
| 48  | 1400             | 0.16             |
| 60  | 1200             | 0.25             |
| 69  | 1050             | 0.33             |
| 72  | 1000             | 0.36             |
| 84  | 840              | 0.49             |
| 96  | 620              | 0.53             |
| <b>Double Rivet Channel Beams</b>   |                  |                  |
| With Center Supports (*)  |                  |                  |
| 60  | 2240             | 0.23             |
| 72  | 1850             | 0.33             |
| 84  | 1600             | 0.45             |
| 96  | 1400             | 0.59             |
| (*) One (1) support per pair of beams except 96' which have two (2) Supports  |                  |                  |
| (***) Beam rotation is less than 5 degrees  |                  |                  |



**Components:** Choose from a wide selection of component sizes and capacities to fit the storage requirements.

**Angle Post:** 1-1/2" x 1-1/2" (Standard Duty): Used as upright post for standard RivetRite units.

**Angle Post:** 1-7/8" x 1-7/8" (Heavy Duty): When maximum capacity and stability are essential, the heavy duty angle post is the proper choice. Ideally suited for two level shelving, storage deck and high rise shelving applications.

**Tee Post:** 3" x 1-1/2" (Standard Duty): Included with standard duty add-on units to function as a common post between starter and adjoining units.

**Tee Post:** 3-3/4" x 1-7/8" (Heavy Duty): Used in the same way as the standard tee, when increased load capacities are required.

**Single Rivet Shelf Beam (Standard Duty):** Primarily used as an intermediate shelf support when maximum vertical space between levels is needed. Furnished as standard on High Density Shelving units.

**Single Rivet Shelf Beam (Heavy Duty):** Manufactured to provide maximum capacity with very little loss of usable vertical space between shelves.

**Double Rivet Shelf Beam (Standard Duty):** Used to establish unit stability and to provide shelf support on all four sides.

**Double Rivet Shelf Beam (Heavy Duty):** Provides stability and increased load capacity in the longer lengths.

**Double Rivet Channel Beam:** Designed to provide maximum left to right stability and higher capacity than standard or heavy duty beams. Cannot be used at floor level.

**Center Support:** Used with double rivet beams to provide front-to-rear support for shelf deck and provides added stability to beams.

**TYPES OF UNITS:** RivetRite Units come in two basic types: Single Rivet Units and Double Rivet Units. These utilize different combinations of beam types. In addition, units for special purposes include Records Storage Units and Automotive Parts Storage Units.

**Double Rivet Bulky Storage Units:** 48" to 96" wide beams Access to stored items from all sides Choice of beam capacity to meet your storage requirement Easy assembly without special tools Units available in 84" and 120" heights Penco RivetRite bulky shelving is designed to provide an economical solution for the storage of retail, wholesale or industrial goods. Installation can be done without special tools in a minimum amount of time. All steel parts are finished in attractive 723 Light Putty baked enamel. v Starter and add-on units are combined to form economical rows of shelving. Each add-on unit includes a pair of tee posts which are used in common between units. This reduces assembly time and the number of parts required. Begin each row with two angle posts from the starter unit and join the desired number of add-on units to complete the row. Finish the last unit with a pair of angle posts from the starter unit.

**Single Rivet High Density Units:** Single Rivet high density shelving uses single rivet beams on intermediate levels, and double rivet beams at the top and bottom for rigidity. For units up to 48 " wide. High Density Shelf Beams provide maximum space between shelf levels Common tee posts between starter and add-on unit Shelf levels adjust on 1-1/2" centers Fast easy assembly Optional heavy duty single rivet shelf beams available for added capacity Penco Single Rivet beam High Density shelving is designed to provide for maximum vertical clearance between shelves. Access to stored item from all sides is possible because side and back cross braces are not necessary for stability. Add-on units assemble quickly without special tools by using a common tee post between units. Finished in 723 Light Putty baked enamel. Starter and add-on units are combined to form economical rows of shelving. Each add-on unit includes a pair of tee posts which are used in common between units. This reduces assembly time and the number of parts required. Begin each row with two angle posts from the starter unit and join the desired number of add-on units to complete the row. Finish the last unit

with a pair of angle posts from the starter unit. All intermediate shelves on units that exceed 24" deep utilize single rivet beams for front to back shelf deck support. Units 12", 18" and 24" deep include one pair of single rivet beams for intermediate use front to back.

**Record Storage Units:** RivetRite Record Storage Units aid in records management by providing an organized solution to high density archive storage. (Particle board must be ordered separately). Add-on units utilize a common Tee Post between units to save time during assembly. All unit box capacities are based on a standard archive box size of approximately 12-1/2" wide x 16-1/2" deep x 10-1/2" high.

### AUTOMOTIVE PARTS STORAGE UNITS

**Tire Storage Rack:** Penco RivetRite Tire Racks provide for the neat organized storage of standard automobile or light truck tires. Specially designed beams with a 30 degree flange on the top securely cradle the tires. Available in Single-Row, (12" deep units with 9" Wall Ties) and Double-Row, (two 12" deep units separated by 18" Double Row Spacers). Unit depth shown includes wall ties/row spacers.

**Muffler Storage:** Uniform storage of various size mufflers is achieved through the use of RivetRite Muffler Storage Units. As with all RivetRite units, ease of assembly and access from all sides is standard. Add-on units utilize common Tee Posts between units. Particle Board must be ordered separately for each level.

**Hanging Tailpipe Rack:** Designed specifically for the storage of automotive and light truck tailpipes. Assembles in minutes without special tools. Stored items are visible and easily accessible.

**RivetRite Two-Level Storage:** The structural integrity of RivetRite lends itself to the construction of two-level storage facilities for applications where maximum utilization of overhead space is required. Expanding in an upward direction instead of outward keeps your personnel in closer proximity to each other and stored material, for more efficient operation. Using standard components for support, economical units may be constructed with an open deck-over upper level, or additional shelving. In either case, savings are realized because: You virtually double the amount of storage space in a given floor area You utilize existing heat and air conditioning within the building Construction is as uncomplicated as standard single level shelving. Beams and grating supports lock into strong one-piece posts without hardware. Penco Channel-Lock Safety Grating installs easily for a rigid walking surface. The utility of a RivetRite two-level installation has unlimited possibilities. Shelf heights are adjustable on 1-1/2" centers Shelves can be accessed from all four sides RivetRite two level shelving systems are designed to meet your specifications. Contact your representative for assistance in reviewing your two-level shelving requirements.

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## Introduction

### Penco Pallet Rack

Penco Pallet Rack is a carefully engineered system designed to provide highly efficient storage of palletized items. Combining design and excellence with the use of high strength steel to achieve a superior strength to weight ratio, Penco Pallet Rack can handle nearly any storage job you can give it.

The basic components of Penco Pallet Rack are Upright Frames and Beams. Each is manufactured to exacting tolerances to provide many years of dependable service at their rated loads.

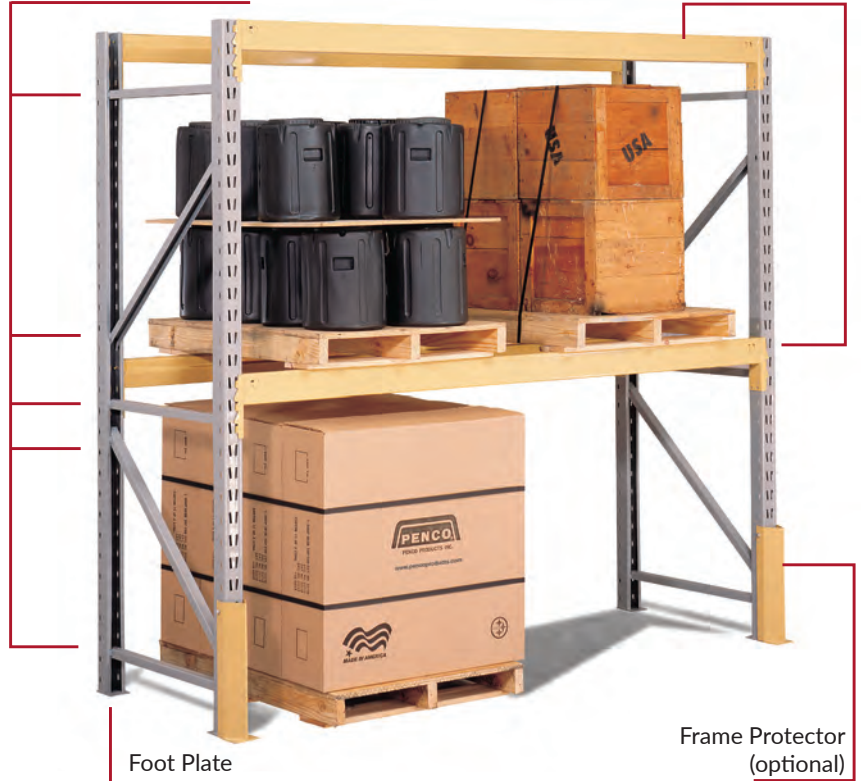
The following pages detail the wide range of sizes, capacities and accessories that make Penco Rack one of the best values for your storage dollar.



Available in  
24 Colors  
See Page 120

Welded Upright Frame

Beams



Foot Plate

Frame Protector  
(optional)

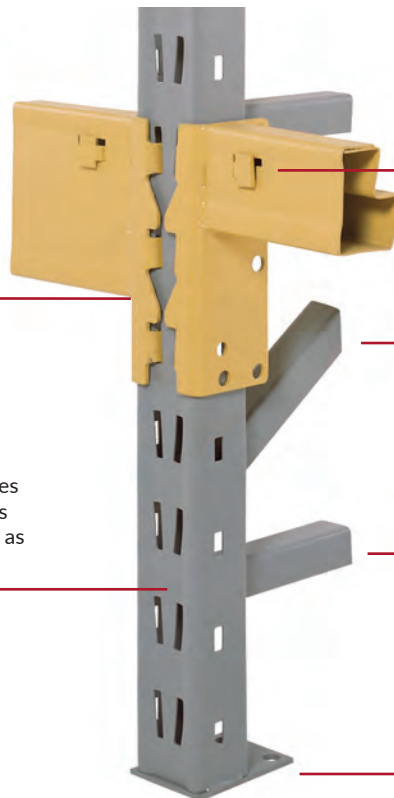
## Design Features

### Heavy Duty Beam End Connector

Beam ends are made from extra heavy gauge steel. They feature a three prong connection which assures positive beam to post alignment along the 8-1/2" length of the connector, and uniform load distribution. The greater the load, the tighter the connection. Tabs extend along the face of the beam to provide extra protection to the prongs during transit and installation.

### Upright Column

A continuous post roll formed in 5 different shapes and 3 different metal thicknesses to handle a variety of loads. Slanted slots on the column allow for beam placement on 3" vertical centers. Slots on column sides accept the safety beam locking key. The design allows for beams to be placed flush with the top, or as close as 9" from the floor.



### Beam Locking Key for Safety

A unique recessed safety key made from heavy gauge steel engages a slot in the side of the post. It resists an upward force from material handling equipment up to 1000 pounds. It is an integral part of the beam assembly, can be engaged easily without tools, and is clearly visible for checking.

### Step Down Design

All beams have a step for the purpose of accepting accessories. Two step sizes are available: 7/8" and 1-5/8" high.

### Welded Upright Frame Bracing

Upright frame columns are securely MIG welded together with channel type braces for maximum rigidity.

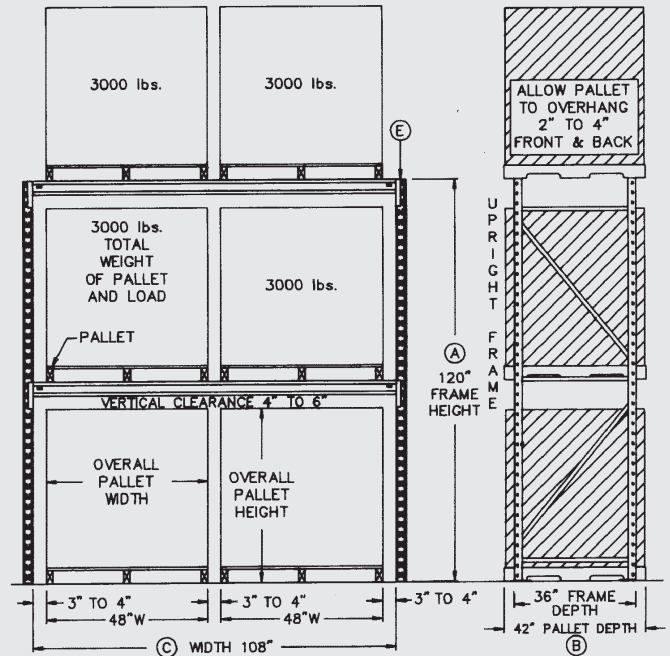
### Foot Plate

A heavy gauge foot plate is securely welded to each post to provide load distribution over 13.7 square inches, and two holes allow for floor anchoring from either side of the frame.

## Design Considerations

### Determining Pallet Rack Needs

- A. Height:** Measure the vertical dimensions of the pallet, pallet load and beam. Add an extra 4" to 6" clearance between bottom of beam above and top of load on pallet. Top beam should be at least 6" lower than the maximum lifting height of your forklift.
- B. Depth:** Measure the depth of the pallet. Pallet should overhang the frame by 3" front and back. (Example: for a 48" deep pallet use a 42" deep frame).
- C. Width:** Measure the width of the load and pallet, and use the greater of the two. Add 3" to 4" between loads, and between loads and upright frames to determine correct beam length. Select beams with a capacity equal to or greater than the total load of each level. (See "How to Order Beams" on the Pallet Rack Beam page).
- D. Frame Capacity:** Add the total weight of all loads for each bay, excluding the pallets on the floor (a bay is the space between two upright frames).
- E. Frame:** A common frame should be used between each bay.



### Pallet Rack Plus - An option for severe conditions or high seismic activity

Penco Pallet Rack Plus is engineered for use in areas where high seismic activity or other severe conditions exist. Load capacities are the same as the standard pallet rack shown in this catalog, however the frames and beams are more resistant to horizontal and vertical forces that could damage standard rack and its load. To learn the seismic rating where your pallet rack will be in use, contact your Penco representative.

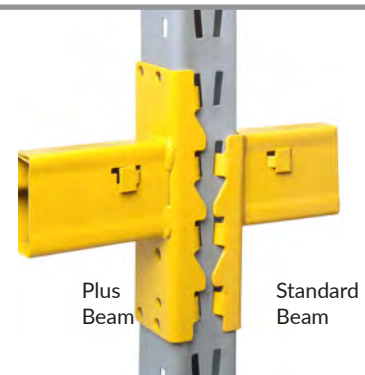
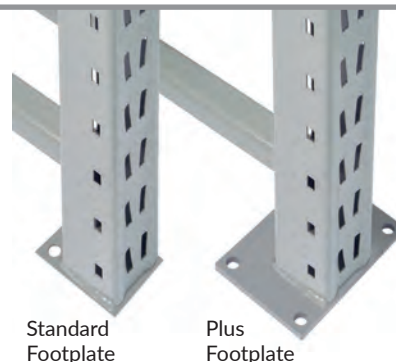
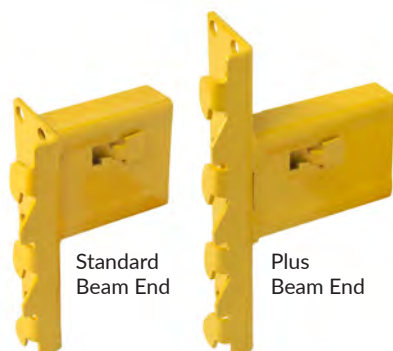
#### Plus Beam End Connectors:

The Plus beams have 4 connectors instead of 3 for a stronger connection between

the beam and the upright post to resist conditions with higher lateral forces. The beam is welded 3" down from the top of the connector so loading is evenly distributed across all four connector prongs. The beam locking key is the same as used on standard beams.

#### Plus Upright Frames with Large Footplates:

Each Plus upright frame has two 5" x 7" x 3/8" thick footplates with four 9/16" diameter anchoring holes. The extra holes provide the installer with more choices for floor anchoring.





## Upright Frames

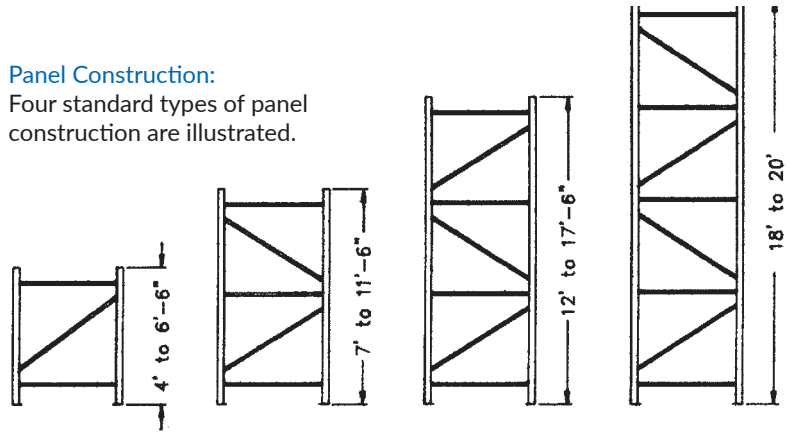
Penco Pallet Rack Upright Frames are available in five load capacities. A letter code stamped into the face of the post indicates the frame type. Depths of 30", 36", 42", 48", 54" and 60" are standard, but other depths and double-posted and cantilever frames are available. Standard heights range from 48" to 240" in 6" increments, but greater heights can be achieved when splices are used.

Beam heights adjust on 3" vertical centers, and are independent on each side of the frame. Beams of any type can be placed along the full height of the post; there are no dead spots on the post, even across a splice. Various load rated frames can be combined in a row of rack for maximum economy.

Penco Pallet Rack Upright Frames are furnished completely fabricated, welded into rigid units.

### Panel Construction:

Four standard types of panel construction are illustrated.



### How To Select Upright Frame Type

1. Determine the maximum vertical opening dimension between pairs of beams or between the lowest beam level and the floor.
2. Calculate the total load imposed on the upright frame.
3. Using the charts below, find the maximum vertical spacing between beams along the bottom scale, and then draw a vertical line to intersect the lines representing the capacities of the five types of upright frames. Select the frame that has a capacity that equals or exceeds the total load imposed upon it by all beam levels.



### Upright Frame Types

| Frame Types | Post Width | Post Depth | Post Gauge |
|-------------|------------|------------|------------|
| F           | 3"         | 1-3/4"     | 14         |
| G           | 3"         | 2-1/4"     | 14         |
| P           | 3"         | 3"         | 14         |
| R           | 3"         | 3"         | 13         |
| T           | 3"         | 3"         | 12         |

### Upright Frame Capacity

| Frame Type | Beam Spacing |        |        |        |        |        |        |        |        |        |        |        |
|------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|            | 24"          | 30"    | 36"    | 42"    | 48"    | 54"    | 60"    | 66"    | 72"    | 78"    | 84"    | 90"    |
| F          | 22,555       | 21,213 | 19,853 | 18,528 | 16,929 | 15,381 | 13,543 | 11,773 | 9,824  | 8,439  | 7,216  | 6,336  |
| G          | 26,512       | 25,236 | 23,839 | 22,311 | 20,663 | 18,904 | 17,025 | 15,015 | 12,864 | 10,774 | 9,306  | 8,110  |
| P          | 32,751       | 31,227 | 29,555 | 27,932 | 25,965 | 24,342 | 21,871 | 19,203 | 17,212 | 14,630 | 12,540 | 11,026 |
| R          | 39,108       | 37,264 | 35,464 | 33,266 | 30,891 | 28,339 | 25,934 | 23,043 | 19,959 | 17,245 | 14,796 | 12,834 |
| T          | 45,629       | 43,478 | 41,102 | 38,503 | 35,715 | 32,703 | 29,897 | 26,489 | 22,875 | 19,432 | 16,713 | 14,527 |

The table above indicates capacities for various vertical beam spacings for the different Penco upright frame types. Load data shown is for preliminary consideration only. Each installation must be individually evaluated for actual conditions and the use of each element in relation to the entire system with all aspects of the structural function.

## Upright Frame Accessories

### Rigid Row Spacer

Structurally connects and spaces two rows of rack back-to-back. Bolted type. Hardware included.



| Rigid Row Spacer |          |
|------------------|----------|
| Space            | Cat. No. |
| 6"               | 5AR506   |
| 8"               | 5AR508   |
| 10"              | 5AR510   |
| 12"              | 5AR512   |
| 18"              | 5AR518   |
| 24"              | 5AR524   |
| 30"              | 5AR530   |
| 36"              | 5AR536   |
| 42"              | 5AR542   |
| 48"              | 5AR548   |
| 54"              | 5AR554   |
| 60"              | 5AR560   |

### Rigid Wall Spacer

Assures that uniform spacing between pallet rack and building wall is maintained. Frame hardware included.



| Rigid Wall Spacer |          |
|-------------------|----------|
| Space             | Cat. No. |
| 4"                | 5AR404   |
| 6"                | 5AR406   |
| 8"                | 5AR408   |
| 10"               | 5AR410   |
| 12"               | 5AR412   |
| 18"               | 5AR418   |

### Reel Holder

Accessorizes rack for reel storage. Max. axle 2-1/2" dia. Cat. No. 5AH000



### Concrete Floor Anchor

To anchor pallet rack upright frames to a concrete floor. 1/2" diameter x 3-3/4". High seismic areas may require other floor anchors. Check with local permitting agency for assistance, if required. Cat. No. 9580



### Frame Protector

Anchors to floor at front of post. Provides protection against damage from material handling vehicles. NOT for use on Pallet Rack PLUS upright frames. Includes hardware to fasten to post only. 18" high. Cat. No. 5AF018



### Frame Deflector

Fastens to post only, usually 1-1/2" above the footplate. Includes hardware to bolt to post. 18" High. Cat. No. 5AF021PC



### Frame Splice

For adding to height of existing frame. Can be supplied welded in top of new frame if specified on order. (Top frame must be ordered without foot plate.) With hardware.



| Frame Splice |          |
|--------------|----------|
| Frame Type   | Cat. No. |
| F, G, P      | 5AU008P  |
| R, T         | 5AU018P  |

| Upright Frames - Available Sizes |              |     |     |     |     |     |
|----------------------------------|--------------|-----|-----|-----|-----|-----|
| Frame Height                     | Frame Depths |     |     |     |     |     |
|                                  | 30"          | 36" | 42" | 48" | 54" | 60" |
| 48"                              | I            | I   | I   | I   | I   | I   |
| 54"                              | I            | I   | I   | I   | I   | I   |
| 60"                              | I            | I   | I   | I   | I   | I   |
| 66"                              | I            | I   | I   | I   | I   | I   |
| 72"                              | I            | I   | I   | I   | I   | I   |
| 78"                              | I            | I   | I   | I   | I   | I   |
| 84"                              | I            | I   | I   | I   | I   | I   |
| 90"                              | I            | I   | I   | I   | I   | I   |
| 96"                              | I            | I   | I   | I   | I   | I   |
| 102"                             | I            | I   | I   | I   | I   | I   |
| 108"                             | I            | I   | I   | I   | I   | I   |
| 114"                             | I            | I   | I   | I   | I   | I   |
| 120"                             | I            | I   | I   | I   | I   | I   |
| 126"                             | I            | I   | I   | I   | I   | I   |
| 132"                             | I            | I   | I   | I   | I   | I   |
| 138"                             | I            | I   | I   | I   | I   | I   |
| 144"                             | I            | I   | I   | I   | I   | I   |
| 150"                             | I            | I   | I   | I   | I   | I   |
| 156"                             | I            | I   | I   | I   | I   | I   |
| 162"                             | I            | I   | I   | I   | I   | I   |
| 168"                             | I            | I   | I   | I   | I   | I   |
| 174"                             | I            | I   | I   | I   | I   | I   |
| 180"                             | I            | I   | I   | I   | I   | I   |
| 186"                             | I            | I   | I   | I   | I   | I   |
| 192"                             | I            | I   | I   | I   | I   | I   |
| 198"                             | I            | I   | I   | I   | I   | I   |
| 204"                             | I            | I   | I   | I   | I   | I   |
| 210"                             | I            | I   | I   | I   | I   | I   |
| 216"                             | I            | I   | I   | I   | I   | I   |
| 222"                             | I            | I   | I   | I   | I   | q   |
| 228"                             | I            | I   | I   | I   | I   | q   |
| 234"                             | I            | I   | I   | I   | I   | q   |
| 240"                             | I            | I   | I   | I   | I   | q   |

I = Available q = Not Available

To add height to an Upright Frame, a splice can be added. For more information on splicing frames see the Frame Splice to the left.

| Upright Frame Catalog # System |   |   |   |   |       |
|--------------------------------|---|---|---|---|-------|
| Position                       | 1 | 2 | 3 | 4 | 5     |
| Cat. No.                       | 5 | F | E | 0 | 9 6 C |

DESCRIPTION OF PART NO. SEQUENCE:

1. Always a 5 2. Capacity code for frame (See Pallet Rack Frame Capacities Table). 3. Depth code for frame (B = 30", E = 36", H = 42", L = 48", P = 54", S = 60") 4. Height of upright frame in inches (for example, 096 = 96 inches). 5. Always ends in "C"

## Pallet Rack Beams

### One Piece Beam Design

Penco has engineered its roll-formed one piece beams to achieve the highest possible strength-to-weight ratios in the most frequently desired load ratings through the use of efficient design and high strength steel.

Beams are offered in eight basic styles with different vertical profiles and steel gauges. Beam step heights of 7/8" and 1-5/8" are available for a wide variety of accessory use. Both the overlapping seam and the beam end connector are securely MIG welded for strength.

The face of the beam has an M-design recessed configuration for added strength, protecting the locking key, and to accept pressure sensitive labeling. Each beam is stamped with an identifying letter referring to the load bearing capacity. Beams are shown in 710 Yellow.

### How to Order Beams

- Select the Required Clear Span (distance between posts).** Allow for a minimum of 3" between pallet and post, and a minimum of 4" between adjacent pallets. Allow additional separation if load overhangs the pallet. For sizes not shown, contact your Penco representative.
- Determine the Required Capacity.** Add up the maximum load to be placed on one pair of beams. Remember that capacities are based on evenly distributed loading, not point loading.

| Beam Selection |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |                     |                   |
|----------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Clear Span*    | B                   |                   | D                   |                   | H                   |                   | J                   |                   | N                   |                   | S                   |                   | X                   |                   | Y                   |                   |
|                | Capacity Per Pair** | Cat. No. Per Pair | Capacity Per Pair** | Cat. No. Per Pair | Capacity Per Pair** | Cat. No. Per Pair | Capacity Per Pair** | Cat. No. Per Pair | Capacity Per Pair** | Cat. No. Per Pair | Capacity Per Pair** | Cat. No. Per Pair | Capacity Per Pair** | Cat. No. Per Pair | Capacity Per Pair** | Cat. No. Per Pair |
| 48"            | 8920 lb             | 5BB048            | 8380 lb             | 5BD048            | 9340 lb             | 5BH048            | 10670 lb            | 5BJ048            | 12170 lb            | 5BN048            | -                   | -                 | -                   | -                 | -                   | -                 |
| 54"            | 7920 lb             | 5BB054            | 7445 lb             | 5BD054            | 8370 lb             | 5BH054            | 9480 lb             | 5BJ054            | 10810 lb            | 5BN054            | -                   | -                 | -                   | -                 | -                   | -                 |
| 60"            | 7120 lb             | 5BB060            | 6695 lb             | 5BD060            | 7530 lb             | 5BH060            | 8520 lb             | 5BJ060            | 9730 lb             | 5BN060            | -                   | -                 | -                   | -                 | -                   | -                 |
| 66"            | 6470 lb             | 5BB066            | 6080 lb             | 5BD066            | 6840 lb             | 5BH066            | 7740 lb             | 5BJ066            | 8830 lb             | 5BN066            | -                   | -                 | -                   | -                 | -                   | -                 |
| 72"            | 5920 lb             | 5BB072            | 5570 lb             | 5BD072            | 6260 lb             | 5BH072            | 7090 lb             | 5BJ072            | 8090 lb             | 5BN072            | 9560 lb             | 5BS072            | -                   | -                 | -                   | -                 |
| 78"            | 5460 lb             | 5BB078            | 5135 lb             | 5BD078            | 5770 lb             | 5BH078            | 6540 lb             | 5BJ078            | 7460 lb             | 5BN078            | -                   | -                 | 10220 lb            | 5BX078            | -                   | -                 |
| 84"            | 5070 lb             | 5BB084            | 4760 lb             | 5BD084            | 5360 lb             | 5BH084            | 6060 lb             | 5BJ084            | 6920 lb             | 5BN084            | -                   | -                 | 9480 lb             | 5BX084            | 12650 lb            | 5BY084            |
| 90"            | 4720 lb             | 5BB090            | 4430 lb             | 5BD090            | 4990 lb             | 5BH090            | 5650 lb             | 5BJ090            | 6450 lb             | 5BN090            | 7630 lb             | 5BS090            | 8840 lb             | 5BX090            | 11800 lb            | 5BY090            |
| 96"            | 4420 lb             | 5BB096            | 3990 lb             | 5BD096            | 4670 lb             | 5BH096            | 5290 lb             | 5BJ096            | 6040 lb             | 5BN096            | 7190 lb             | 5BS096            | 8280 lb             | 5BX096            | 11050 lb            | 5BY096            |
| 102"           | 4160 lb             | 5BB102            | 3530 lb             | 5BD102            | 4390 lb             | 5BH102            | 4980 lb             | 5BJ102            | 5680 lb             | 5BN102            | 6720 lb             | 5BS102            | 7790 lb             | 5BX102            | 10390 lb            | 5BY102            |
| 108"           | 3920 lb             | 5BB108            | 3150 lb             | 5BD108            | 3990 lb             | 5BH108            | 4690 lb             | 5BJ108            | 5340 lb             | 5BN108            | 6340 lb             | 5BS108            | 7350 lb             | 5BX108            | 9800 lb             | 5BY108            |
| 114"           | 3540 lb             | 5BB114            | 2830 lb             | 5BD114            | -                   | -                 | 4440 lb             | 5BJ114            | -                   | -                 | -                   | -                 | 6950 lb             | 5BX114            | 9280 lb             | 5BY114            |
| 120"           | 3190 lb             | 5BB120            | 2550 lb             | 5BD120            | 3230 lb             | 5BH120            | 4130 lb             | 5BJ120            | 4810 lb             | 5BN120            | 5690 lb             | 5BS120            | 6600 lb             | 5BX120            | 8800 lb             | 5BY120            |
| 126"           | 2900 lb             | 5BB126            | 2310 lb             | 5BD126            | -                   | -                 | -                   | -                 | 4570 lb             | 5BN126            | 5410 lb             | 5BS126            | 6270 lb             | 5BX126            | 8370 lb             | 5BY126            |
| 132"           | 2840 lb             | 5BB132            | -                   | -                 | -                   | -                 | -                   | -                 | 4410 lb             | 5BN132            | 5160 lb             | 5BS132            | 5980 lb             | 5BX132            | 7980 lb             | 5BY132            |
| 138"           | 2410 lb             | 5BB138            | -                   | -                 | -                   | -                 | -                   | -                 | 4030 lb             | 5BN138            | -                   | -                 | 5710 lb             | 5BX138            | 7620 lb             | 5BX138            |
| 144"           | 2220 lb             | 5BB144            | -                   | -                 | 2240 lb             | 5BH144            | -                   | -                 | -                   | -                 | 4740 lb             | 5BS144            | 5500 lb             | 5BX144            | 7340 lb             | 5BY144            |

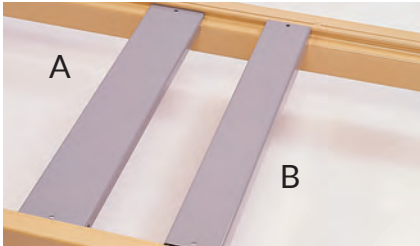
NOTE: Beam Capacity is reduced if loading is on the step only, unless beams are stabilized by some form of front to back tie.

\* Clear span is measured from inside frame to inside frame.

\*\* Capacity of beam pairs in pounds is calculated in compliance with RMI Specifications and AISI Standard. Calculations assume uniform load distribution. Beams of 138" and 144" span require a minimum of two (2) Heavy Duty Cross Bars.

## Beam Accessories

### Cross Bars 7/8" Step Beams



#### A - 1/2" Plywood Support

Supports sheets of 1/2" Plywood.

##### A - 1/2" Plywood Support

| Frame Depth | Cat. No. |
|-------------|----------|
| 30"         | 5AP230C  |
| 36"         | 5AP236C  |
| 42"         | 5AP242C  |
| 48"         | 5AP248C  |

#### B - General Duty Cross Bar

For supporting loads smaller than unit depth.

##### B - General Duty Cross Bar

| Frame Depth | Cat. No. |
|-------------|----------|
| 30"         | 5AX530C  |
| 36"         | 5AX536C  |
| 42"         | 5AX542C  |
| 48"         | 5AX548C  |
| 54"         | 5AX554C  |
| 60"         | 5AX560C  |



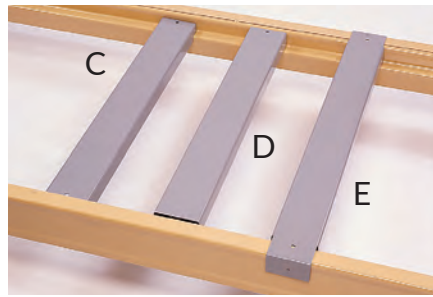
#### Coil Bed

Full depth. For proper placement and storage of cylindrical items.

##### Coil Bed

| Frame Depth | Cat. No. |
|-------------|----------|
| 30"         | 5AC030C  |
| 36"         | 5AC036C  |
| 42"         | 5AC042C  |
| 48"         | 5AC048C  |

### Cross Bars 1-5/8" Step Beams



#### C - 3/4" Plywood Support

Supports sheets of 3/4" Plywood.

##### C - 3/4" Plywood Support

| Frame Depth | Cat. No. |
|-------------|----------|
| 30"         | 5AP330   |
| 36"         | 5AP336   |
| 42"         | 5AP342   |
| 48"         | 5AP348   |
| 54"         | 5AP354   |
| 60"         | 5AP360   |

#### D - General Duty Cross Bar

Supports loads smaller than unit depth on 1-5/8" step beams. Not for plywood.

##### D - General Duty Cross Bar

| Frame Depth | Cat. No. |
|-------------|----------|
| 30"         | 5AX630C  |
| 36"         | 5AX636C  |
| 42"         | 5AX642C  |
| 48"         | 5AX648C  |
| 54"         | 5AX654C  |
| 60"         | 5AX660C  |

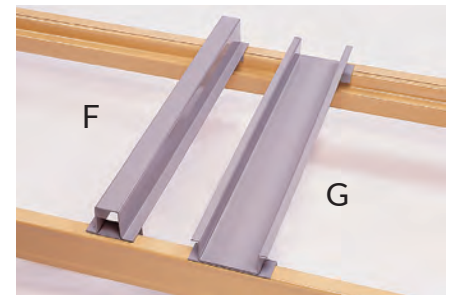
#### E - Heavy Duty Flanged Cross Bar

Supports heavier loads smaller than unit depth on 1-5/8" step beams.

##### E - HD Flanged Cross Bar

| Frame Depth | Cat. No. |
|-------------|----------|
| 30"         | 5AX730C  |
| 36"         | 5AX736C  |
| 42"         | 5AX742C  |
| 48"         | 5AX748C  |
| 54"         | 5AX754C  |
| 60"         | 5AX760C  |

### Fork Clearance Bar and Heavy Duty Skid Channel



#### F - Fork Clearance Bar

Provides proper fork clearance for unpalette-ized stock, 2" wide by 2-3/4" high.

##### F - Fork Clearance Bar

| Frame Depth | Cat. No. |
|-------------|----------|
| 30"         | 5AF330C  |
| 36"         | 5AF336C  |
| 42"         | 5AF342C  |
| 48"         | 5AF348C  |
| 54"         | 5AF354C  |
| 60"         | 5AF360C  |

#### G - Heavy Duty Skid Channel Assembly

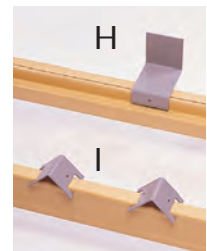
Provides a channeled base for skid runners, 4" wide by 2" high.

##### G - HD Skid Channel Assembly

| Frame Depth | Cat. No. |
|-------------|----------|
| 30"         | 5AS230C  |
| 36"         | 5AS236C  |
| 42"         | 5AS242C  |
| 48"         | 5AS248C  |

#### H - Pallet Stop

Attaches to rear beam with Tek screw. Cat. No. 08822 included. For 1-5/8" step beam only. In Pairs. Cat. No. 5AT00H



#### I - Drum Wedge

Two loose triangular stops for drum storage. Install on front beam only. In Pairs. Cat. No. 5AW000

**PALLET RACK:** The basic components of Standard Penco Pallet Rack are Upright Frames and Beams. Each is manufactured to exacting tolerances to provide many years of dependable service at their rated loads.

**Step Down Design:** All beams have a step for the purpose of accepting accessories. Two step sizes are available: 7/8" and 1-5/8" high.

**Beam Locking Key For Safety:** A unique recessed safety key made from heavy gauge steel engages a slot in the side of the post. As soon as beams are installed, the locking keys should be slid into place. They will resist an upward force from material handling equipment up to 1000 pounds. It is an integral part of the beam assembly, can be engaged easily without tools, and is clearly visible for checking.

**Heavy Duty Beam End Connector:** Beam ends are made from extra heavy gauge steel. They feature a three prong connection which assures positive beam to post alignment along the 8-1/2" length of the connector, and uniform load distribution. Tabs extend along the face of the beam to provide extra protection to the prongs during transit and installation.

**Heavy Duty Beam End Connector (Pallet Rack Plus):** Pallet Rack Plus beams are intended for use in severe conditions or high seismic areas and have four pronged end frame connectors. The beams are centered along the 11 1/2" long connector so all prongs share equally in the live beam load. Any Penco pallet rack beam can be equipped with four-pronged connectors.

**Welded Upright Frame Bracing:** Upright frame columns are securely MIG welded together with channel type braces for maximum rigidity.

**Upright Column:** A continuous post roll formed into an "M" design for added strength. Slanted slots on the column allow for beam placement on 3" vertical centers. The greater the unit load the tighter the beam-upright connection becomes. Slots on column sides accept the safety beam locking key. The design allows for standard beams to be placed flush with the top, or as close as 9" from the floor.

**Upright Column (Pallet Rack Plus):** A continuous post roll formed into an "M" design for added strength. Slanted slots on the column allow for beam placement on 3" vertical centers. The greater the unit load the tighter the beam-upright connection becomes. All Plus pallet rack beams are attached 3" down from the top of the heavy duty connector and cannot be installed flush with the top of the uprights. Plus beams can be placed within 9" above the floor.

**Foot Plate:** A heavy gauge foot plate is securely welded to each post to provide load distribution over 13.7 square inches, and two 9/16" holes allow for floor anchoring on either side of the frame. Standard duty foot-plates are 7 ga. thick.

**Foot Plate (Pallet Rack Plus):** All pallet rack Plus upright frames have foot-plates that are 35 square inches and 3/8" thick. Four 9/16" holes are present at the corners for anchoring.

**Pallet Rack Frames:** Penco Pallet Rack Upright Frames are available in five different load carrying ranges. A letter code stamped into the face of the post indicates the frame type. Depths of 30", 36", 42", 48", 54" and 60" are standard, but other depths are available. Standard heights range from 48" to 240" in 6" increments, but greater heights can be achieved when splices are used. Double posted and cantilever leg custom upright configurations are available upon request. Beam heights adjust on 3" vertical centers, and are independent on each side of the frame. Various load rated frames can be combined in a row of rack for maximum economy. Beams cannot be placed at locations where a splice is positioned. Penco Pallet Rack Upright

Frames are furnished completely fabricated, welded into rigid units. Standard finish for upright frames is 028 Gray baked enamel. Other standard Penco colors are available upon request.

We recommend that all upright frames be securely anchored to the floor for safety. Seismic conditions and local codes may require anchors other than the Penco 1/2"-13 x 3 3/4" wedge anchor be used. We suggest you check with local code officials about anchoring as many jurisdictions have approved different anchors.

**Pallet Rack Beams:** Penco has engineered its roll-formed one piece beam to achieve the highest possible strength-to-weight ratios in the most frequently desired load ratings through the use of efficient design and high strength steel. Beams are offered in eight basic styles with different vertical profiles and steel gauges. Beam step heights of 7/8" and 1-5/8" are available for a wide variety of accessory use. Both the overlapping seam and the beam end connector are securely MIG welded for strength. The face of the beam has an M-design recessed configuration for added strength, protecting the locking key, and to accept pressure sensitive labeling. Each beam is stamped with an identifying letter referring to the load bearing capacity. Beams are finished in 710 Sagebrush Yellow baked enamel for high visibility. Safety Yellow and any other standard Penco colors are available upon request.

### PALLET RACK ACCESSORIES

**Plywood Supports:** For supporting plywood or other wood decking. Styles are available for 1/2" deck on 7/8" step beams and 3/4" deck on 1-5/8" step beams.

**General Duty Cross Bars:** For supporting loads smaller than unit depth.

**Heavy Duty Flanged Cross Bar:** Supports heavier loads smaller than unit depth on 1-5/8" step beams.

**Fork Clearance Bar:** Provides proper fork clearance for unpalletized stock, 2" wide by 2-3/4" high.

**Heavy Duty Skid Channel Assembly:** Provides a channeled base for skid runners, 4" wide by 2" high.

**Frame Splice:** For adding to height of existing frame. Can be supplied welded in top of new frame if specified on order. (Top frame must be ordered without foot plate.) Hardware provided.

**Frame Protector:** Anchors to floor at front of post. Provides protection against damage from material handling equipment.

**Frame Deflector:** Fastens to front of upright post on 3" increments.

**Rigid Wall Bracket:** Structurally connects racks to wall for additional stability. Frame hardware included.

**Rigid Row Spacer:** Structurally connects and spaces two rows of rack back-to-back to satisfy NFPA requirements. Bolted into place. Hardware included.

**Reel Holder:** Accessorizes rack for elevated reel storage. Capacity is 1,000 lbs./pair and they can hold axels up to 2 1/2" diameter. Hardware included.

**Decking:** Decking for Pallet Rack is available in a number of formats that include wire, steel and wood.

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

## Pallet Rack Plus Specifications

**PALLET RACK PLUS:** The basic components of Penco Pallet Rack Plus are Upright Frames and Beams. Each is manufactured to exacting tolerances to provide many years of dependable service at their rated loads. Other components and accessories are available

**Step Down Design:** All beams have a step for the purpose of accepting accessories. Two step sizes are available: 7/8" and 1-5/8" high.

**Beam Locking Key for Safety:** A unique recessed safety key installed into each beam connector that is made from heavy gauge steel engages a slot in the side of the post. As soon as beams are installed, the locking key should be slid into place. They will resist an upward force from material handling equipment up to 1000 pounds. It is an integral part of the beam assembly, can be engaged easily without tools, and is clearly visible for checking.

**Heavy Duty Beam End Connector:** Pallet Rack Plus beams are intended for use in severe conditions or high seismic areas and have four pronged end frame connectors. The beams are centered along the 11 1/2" long connector so all prongs share equally in the live beam load. Any Penco pallet rack beam can be equipped with four-pronged connectors.

**Welded Upright Frame Bracing:** Upright frame columns are securely MIG welded together with channel type braces for maximum rigidity.

**Upright Column:** A continuous post roll formed into an "M" design for added strength. Slanted slots on the column allow for beam placement on 3" vertical centers. The greater the unit load the tighter the beam-upright connection becomes. All Plus pallet rack beams are attached 3" down from the top of the heavy duty connector and cannot be installed flush with the top of the uprights. Plus beams can be placed within 9" above the floor.

**Foot Plate:** All pallet rack Plus upright frames have footplates that are 35 square inches and 3/8" thick. Four 9/16" holes are present at the corners for anchoring.

**PALLET RACK FRAMES:** Penco Pallet Rack Plus Upright Frames are available in five different load carrying ranges. A letter code stamped into the face of the post indicates the frame type. Depths of 30", 36", 42", 48", 54" and 60" are standard, but other depths are available. Standard heights range from 48" to 240" in 6" increments, but greater heights can be achieved when upright frames are spliced together. Double posted and Cantilever leg custom upright configurations are available upon request. Beam heights adjust on 3" vertical centers, and are independent on each side of the frame. Various load rated frames can be combined in a row of rack for maximum economy. Beams cannot be placed at locations where a splice is positioned. Penco Pallet Rack Upright Frames are furnished completely fabricated, welded into rigid units. Standard finish for upright frames is 028 Gray baked powdercoat enamel. Other standard Penco colors are available upon request. We recommend that all upright frames be securely anchored to the floor. Seismic conditions and local codes may require anchors other than the Penco 1/2"-13 x 3 3/4" wedge anchor be used. We suggest you check with local code officials about anchoring as many jurisdictions have approved different anchors.

**PALLET RACK BEAMS:** Penco has engineered its roll-formed one piece beam to achieve the highest possible strength-to-weight ratios in the most frequently desired load ratings through the use of efficient design and high strength steel. Beams are offered in eight basic styles with different vertical profiles and steel gauges. Beam step heights of 7/8" and 1-5/8" are available for a wide variety of accessory use. Both the overlapping seam and the beam end connector are securely MIG welded for strength. The face of the beam has an M-design recessed configuration for added strength, protecting the locking key, and to accept pressure sensitive labeling. Each beam is stamped with an identifying letter referring to the load bearing capacity. Beams are finished in 710 Sagebrush Yellow baked enamel for high visibility. Safety Yellow and any other standard Penco colors are available upon request.

### PALLET RACK ACCESSORIES

**Plywood Supports:** For supporting plywood or other wood decking. Styles are available for 1/2" deck on 7/8" step beams and 3/4" deck on 1-5/8" step beams.

**General Duty Cross Bars:** For supporting loads smaller than unit depth.

**Heavy Duty Flanged Cross Bars:** Supports heavier loads smaller than upright end frame depth. Only available for use with 1-5/8" step beams.

**Fork Clearance Bar:** Provides proper fork clearance for loads not on pallets. Fork clearance bars are 2" wide by 2-3/4" high.

**Heavy Duty Skid Channel Assembly:** Provides a channeled base for skid runners, 4" wide by 2" high.

**Frame Splice:** For adding to height of existing frame. Can be supplied welded in top of new frame if specified on order. (Top frame must be ordered without foot plate.) With hardware. Can be used with standard or Plus uprights. Length of splice allows for two bolt locations on each side of the splice joint. Hardware for attachment is included. Top frames must be ordered without footplates.

**Frame Protector:** Anchors to floor at front of post. Provides protection against damage from material handling vehicles.

**Frame Deflector:** Fastens to front upright post on 3" increments.

**Rigid Wall Bracket:** Structurally connects racks to wall for additional stability. Frame hardware included.

**Rigid Row Spacer:** Structurally connects and spaces two rows of rack back-to-back to satisfy NFPA requirements. Bolted type. Hardware included.

**Reel Holder:** Accessorizes pallet rack for elevated reel storage. Capacity is 1,000 lbs/pair and they can hold axles up to 2 1/2" diameter. Hardware is included.

**Decking:** Decking for pallet rack is available in a number of formats that include wire, steel and wood.

# Steel Lockers



## Overview

Penco has been building lockers for over 150 years that last for decades and have become part of the fabric of American life. Look in any school and chances are you'll find Penco's lockers in the athletic department, field house, faculty break room and of course, lining the corridors.

School lockers may be Penco's foundation, but the spectrum of products doesn't end there. Penco has locker solutions for recreation centers, health clubs, hospitals, back office and industry break rooms, while at the same time delivering the widest range of solutions to serve first responders in the military, law enforcement and fire and rescue profession.

For locker specifications, see page 94-98.

## Terms Used in This Catalog

**KD:** Knocked Down, or lockers that are shipped unassembled for assembly and installation at their destination.

**W:** Welded, or lockers that are shipped assembled for installation at their destination.

**GA:** Gauge of steel - indicates the thickness. The lower the number the thicker the steel.

**LH & RH:** Left Hand and Right Hand side of a locker, as seen standing in front of a locker.

**Tier:** A "level" of a locker defined by the number of doors in a vertical row. This can range from 1 to 9 tiers.

**Opening & Frame:** Opening is what is behind a door. A frame is the unit that holds the doors. There can be multiple doors per frame.

**Double Row:** "Back-to-back" lockers.

**Double Door Locker:** A locker with two full length doors that open in the center.

**W, D & H:** Width, Depth & Height dimensions (inches).

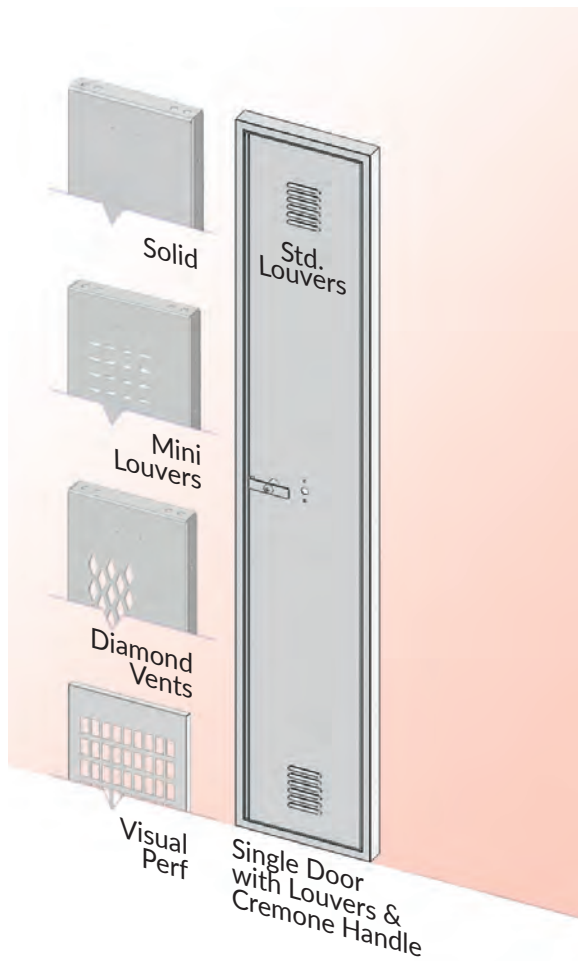
**CCBP:** Common Color Body Parts (Vanguard and Guardian only): Backs, tops, bottoms, sides, & shelves all come in 073 Champagne as standard. Full color available upon special order at an additional cost.



NOTE: Welded Gen2, Stadium and Patriot lockers are not shown above.

## Construction Variations

### Ventilation Options



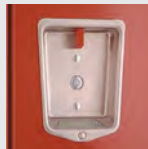
### Handles & Latching



**Die-Cast Handle.** This patented die-cast handle opens multi-point latch lockers with one simple motion. Standard on 1, 2 & 3 tier, 2-Person and Duplex Vanguard lockers.



**Automatic Multi-Point Latching.** Allows the door to be closed without locking. Standard on all multi-point doors except box lockers, Single Point Latch doors and Cremone Handle lockers.

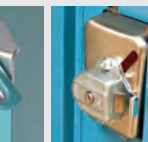


**Classic III Stainless Steel Recessed Handle.** Seamless deep drawn design is attractive as well as strong. Utilizes the Automatic Multi-Point Latching feature.

Standard on all 1, 2 & 3 tier 2-Person and Duplex, Vanguard Recessed, Guardian & Guardian PLUS lockers. Also standard on Invincible II and Welded Gen2 1, 2 and 3 tier lockers. This is the preferred handle for ADA lockers.

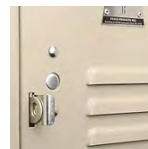


**Defiant II Single Point Latch.** Stainless steel deep drawn pocket with no moving parts (single point latch). Used with a vertical or horizontal pan welded to door. Standard on 1, 2 and 3 tier Defiant II Locker models.



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

See Defiant II details on page 98.

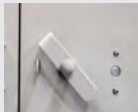


**Friction Catch Door Pull.**

All box lockers come standard with this friction catch door pull handle with padlock hasp.

### Cremone Multi-Point Handle

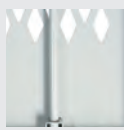
Available on Guardian Plus, Invincible II, and Welded Gen2 ONLY



An unbreakable steel handle securely bolted to a 3-point latching system.

A 3/8" diameter latching rod engages at the top and bottom of the door frame. A 1/8" thick center latch locks the center of the door to the frame. The Cremone Handle is available on a variety of KD and welded heavy duty locker doors.

3 views below: top, middle, and bottom of inside of door with Cremone Handle.





# Vanguard™

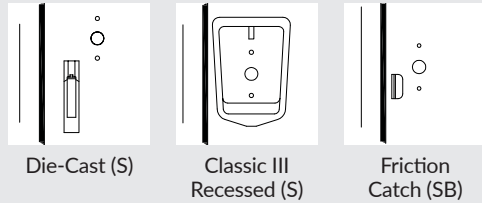
## At a Glance

- Knocked down construction
- Standard louvers for ventilation
- Classic III handle standard on QuickShip multi-point latch models
- 24 ga. body in CCBP or full color at additional cost
- Many sizes available through QuickShip

## Ventilation Options



## Door Handle Options



S = Standard O = Optional\* SB = Standard on Box Lockers  
\*additional charges may apply

For Vanguard specifications, see page 96.

Penco has been manufacturing lockers for decades that last for decades, and the Vanguard line is the embodiment of what it takes to withstand the typical daily use and abuse.

The powder coat baked enamel finish is tough and available in all standard colors. For quieter operation, each frame features multiple noise reducing rubber bumpers.

The welded door frames have mortise and tenon construction and are spot welded for lifetime rigidity. Every door has a continuous door strike. All hinges are full loop, 5-knuckle design.

Note that different types of handles are available on many Vanguard lockers and that 3-tier Vanguard lockers have 3 handle choices. Additional specialty Vanguard models are shown on page 51. Also, many popular Vanguard lockers are available in our QuickShip program with a limited color selection as shown on page 52.

**CCBP:** Common Color Body Parts (Vanguard and Guardian only): Backs, tops, bottoms, sides, & shelves all come in 073 Champagne as standard. Full color available upon special order at an additional cost. (This excludes Vanguard Duplex, Dual, 2, 7, 8, & 16-person, Wall Mount, Executive, Galvanneal, Double Door, & Box Over lockers).



Chart of  
24 Brilliant Colors  
See Page 122

## With Classic III Recessed Pocket Handles



## With Vanguard Cast Pull-out Handles



## With Box Locker Friction Catch Door Pull Handles



| Vanguard 1, 2 & 3 Tier Lockers |       |                 |       |       |                    |       |       |                 |       |       |                    |       |       |                 |       |                    |       |
|--------------------------------|-------|-----------------|-------|-------|--------------------|-------|-------|-----------------|-------|-------|--------------------|-------|-------|-----------------|-------|--------------------|-------|
|                                |       | 1 Tier          |       |       |                    |       |       | 2 Tier          |       |       |                    |       |       | 3 Tier          |       |                    |       |
| Overall Height*                |       | 60"             | 72"   | 84"   | 60"                | 72"   | 84"   | 60"             | 72"   | 84"   | 60"                | 72"   | 84"   | 60"             | 72"   | 60"                | 72"   |
| Opening Height*                |       | 60"             | 72"   | 42"   | 60"                | 72"   | 42"   | 30"             | 36"   | 42"   | 30"                | 36"   | 42"   | 20"             | 24"   | 20"                | 24"   |
| Width                          | Depth | Die-Cast Handle |       |       | Classic III Handle |       |       | Die-Cast Handle |       |       | Classic III Handle |       |       | Die-Cast Handle |       | Classic III Handle |       |
| 9"                             | 12"   | 6101V           | 6151V | -     | 6101R              | 6151R | -     | 6201V           | 6221V | -     | 6201R              | 6221R | -     | 6401V           | 6413V | 6401R              | 6413R |
|                                | 15"   | 6103V           | 6153V | -     | 6103R              | 6153R | -     | 6203V           | 6223V | -     | 6203R              | 6223R | -     | 6403V           | 6415V | 6403R              | 6415R |
|                                | 18"   | 6105V           | 6155V | -     | 6105R              | 6155R | -     | 6205V           | 6225V | -     | 6205R              | 6225R | -     | 6405V           | 6417V | 6405R              | 6417R |
| 12"                            | 12"   | 6111V           | 6161V | 6013V | 6111R              | 6161R | 6013R | 6211V           | 6231V | 6251V | 6211R              | 6231R | 6251R | 6407V           | 6419V | 6407R              | 6419R |
|                                | 15"   | 6113V           | 6163V | 6014V | 6113R              | 6163R | 6014R | 6213V           | 6233V | 6253V | 6213R              | 6233R | 6253R | 6409V           | 6421V | 6409R              | 6421R |
|                                | 18"   | 6115V           | 6165V | 6015V | 6115R              | 6165R | 6015R | 6215V           | 6235V | 6255V | 6215R              | 6235R | 6255R | 6411V           | 6423V | 6411R              | 6423R |
|                                | 21"   | 6117V           | 6167V | -     | 6117R              | 6167R | -     | 6217V           | 6218V | -     | 6217R              | 6218R | -     | 6449V           | 6499V | 6449R              | 6499R |
|                                | 24"   | 6118V           | 6168V | -     | 6118R              | 6168R | -     | 6200V           | 6220V | -     | 6200R              | 6220R | -     | -               | -     | -                  | -     |
| 15"                            | 12"   | 6119V           | 6179V | 6016V | 6119R              | 6169R | 6016R | 6227V           | 6239V | 6073V | 6227R              | 6239R | 6073R | -               | 6472V | -                  | 6472R |
|                                | 15"   | 6121V           | 6171V | 6017V | 6121R              | 6171R | 6017R | 6229V           | 6241V | 6261V | 6229R              | 6241R | 6261R | -               | 6494V | 6436R              | 6494R |
|                                | 18"   | 6123V           | 6173V | 6018V | 6123R              | 6173R | 6018R | 6237V           | 6243V | 6263V | 6237R              | 6243R | 6263R | -               | 6496V | -                  | 6496R |
|                                | 21"   | 6125V           | 6175V | -     | 6125R              | 6175R | -     | 6257V           | 6245V | -     | 6257R              | 6245R | -     | -               | -     | -                  | -     |
|                                | 24"   | 6126V           | 6177V | -     | 6126R              | 6177R | -     | 6258V           | 6246V | -     | -                  | 6246R | -     | -               | -     | -                  | -     |
| 18"                            | 15"   | 6134V           | 6180V | -     | 6134R              | 6180R | -     | -               | 6259V | -     | -                  | 6259R | -     | -               | -     | -                  | -     |
|                                | 18"   | 6131V           | 6181V | -     | 6131R              | 6181R | -     | -               | 6247V | -     | -                  | 6247R | -     | -               | -     | -                  | 6335R |
|                                | 21"   | 6133V           | 6183V | -     | 6133R              | 6183R | -     | -               | 6249V | -     | -                  | 6249R | -     | -               | -     | -                  | -     |
|                                | 24"   | 6135V           | 6185V | -     | 6135R              | 6185R | -     | -               | 6250V | -     | -                  | 6250R | -     | -               | -     | -                  | -     |
| 24"                            | 18"   | 6149V           | 6196V | -     | 6149R              | 6196R | -     | -               | -     | -     | -                  | -     | -     | -               | -     | -                  | -     |
|                                | 21"   | 6158V           | 6198V | -     | 6158R              | 6198R | -     | -               | -     | -     | -                  | -     | -     | -               | -     | -                  | -     |
|                                | 24"   | 6160V           | 6199V | -     | 6160R              | 6199R | -     | -               | 6274V | -     | -                  | 6274R | -     | -               | -     | -                  | -     |

| Vanguard 2 Person and Duplex Lockers |            |                 |       |                    |       |                 |       |                    |       |
|--------------------------------------|------------|-----------------|-------|--------------------|-------|-----------------|-------|--------------------|-------|
|                                      |            | 2 Person        |       |                    |       | Duplex          |       |                    |       |
| Overall Height*                      |            | 60"             | 72"   | 60"                | 72"   | 60"             | 72"   | 60"                | 72"   |
| Unit Width                           | Unit Depth | Die-Cast Handle |       | Classic III Handle |       | Die-Cast Handle |       | Classic III Handle |       |
| 15"                                  | 12"        | 6510V           | 6500V | 6510R              | 6500R | -               | -     | -                  | -     |
|                                      | 15"        | 6506V           | 6501V | 6506R              | 6501R | 6519V           | 6531V | 6519R              | 6531R |
|                                      | 18"        | 6437V           | 6503V | 6437R              | 6503R | 6521V           | 6533V | 6521R              | 6533R |
|                                      | 21"        | -               | 6505V | -                  | 6505R | -               | 6535V | -                  | 6535R |
| 18"                                  | 15"        | -               | 6509V | -                  | 6509R | -               | -     | -                  | -     |
|                                      | 18"        | -               | 6515V | -                  | 6515R | -               | -     | -                  | -     |
|                                      | 21"        | -               | 6525V | -                  | 6525R | -               | -     | -                  | -     |

\* All dimensions are in inches. Overall Height is the overall height of the locker frame, NOT including legs. Opening Height is the nominal height of the individual door opening. Opening Height for 2 Person Lockers: for 60" high models, bottom doors are nominal 42" high; for 72" high models, bottom doors are nominal 54" high. Book compartment doors are nominal 9" high each.

| Vanguard Box Lockers - 3, 4, 5 & 6 Tier |            |          |          |          |          |          |          |          |
|---|------------|----------|----------|----------|----------|----------|----------|----------|
|   |            | 3 Tier   |          | 4 Tier   |          | 5 Tier   |          | 6 Tier   |
| Overall Ht.*                            |            | 60"      | 72"      | 60"      | 72"      | 60"      | 72"      | 72"      |
| Opening Ht.*                            |            | 20"      | 24"      | 15"      | 18"      | 12"      | 14-2/5"  | 12"      |
| Unit Width                              | Unit Depth | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |
| 9"                                      | 12"        | 6301V    | 6313V    | -        | -        | -        | -        | -        |
|   | 15"        | 6303V    | 6315V    | -        | -        | -        | -        | -        |
|   | 18"        | 6305V    | 6317V    | -        | -        | -        | -        | -        |
| 12"                                     | 12"        | 6307V    | 6319V    | 6325V    | 6331V    | 6343V    | 6353V    | 6365V    |
|   | 15"        | 6309V    | 6321V    | 6327V    | 6337V    | 6345V    | 6355V    | 6367V    |
|   | 18"        | 6311V    | 6323V    | 6329V    | 6339V    | 6347V    | 6357V    | 6369V    |
|   | 21"        | 6349V    | 6399V    | 6393V    | 6395V    | -        | 6435V    | 6371V    |
| 15"                                     | 12"        | -        | 6372V    | -        | -        | -        | -        | 6363V    |
|   | 15"        | -        | 6394V    | 6333V    | 6431V    | 6351V    | 6359V    | 6373V    |
|   | 18"        | -        | 6396V    | -        | 6433V    | 6397V    | 6361V    | 6375V    |
|   | 21"        | -        | -        | -        | -        | -        | -        | 6377V    |
| 18"                                     | 18"        | -        | 6335V    | -        | -        | -        | -        | 6379V    |
|   | 21"        | -        | -        | -        | -        | -        | -        | 6378V    |

## Specialty Lockers



### Dual Lockers

A dual locker is a single tier locker with a vertical partition separating the area beneath the shelf into two compartments. It is ideally suited for situations where street clothes and work clothes are to be kept apart. It is generally used with lockers 15" or 18" wide and 18" or 21" deep. Guardian and

Invincible II lockers can also be supplied as dual lockers.



### The Executive

The Executive is a custom-outfitted 24" wide double door locker which offers such optional personal amenities as multiple storage shelves, lockable inner storage compartment, and combination comb & brush tray with towel bar. Shown

here with the available Classic III stainless steel recessed handle and optional front and end bases. Note that the depth of shelves and partitions are 3" less than the locker depth.

It is especially appropriate for golf clubs. Other accessories available include golf ball tray, acrylic mirror and name card holder. For ordering information contact your Penco representative.

#### Optional Accessories



Comb & Brush Tray with Towel Bar



Card Holder



Inner storage compartment and golf ball tray

### 16 Person Locker

Accommodates 16 users in only 69" of floor space. Includes a 45" wide coat rod. Ideal for employee lockers. Accepts built-in locks or padlocks.

69"W x 18" D x 72"H. Cat. No. 6579V



### Wall Mounted Locker with Coat Rod



A practical storage unit where space is at a premium. Four private compartments with a hanging area for 16 coats. When wall mounted, the floor below is kept clear for easy cleaning (wall anchors are not included). Can also be set on counters or cabinets (without coat rod).

45"W x 18"D x 13-5/8" H.

Cat. No. 68242



### One High Box Locker

This 12" wide individual one high box locker provides storage for personal

items and features standard box locker construction with friction catch door pull. Actual overall height is 13-5/8".

### Half Height Locker, 1 Tier



Available in 30-1/2", 36-1/2" and 48-1/2" heights; Available in 12", 15" and 18" depths; 12" wide. Only 48-1/2" high lockers include a shelf for storage of books and small articles.



### Box Over Lockers

Provides a compact independent lockable door above a 60" high standard Vanguard Door. If a shelf is required in the lower compartment, it must be ordered separately.

#### Box Over Lockers - 72" High

| Unit Width | Unit Depth | Cat. No. |
|------------|------------|----------|
| 12"        | 12"        | 6439V    |
| 12"        | 15"        | 6441V    |
| 12"        | 18"        | 6443V    |
| 15"        | 15"        | 6436V    |
| 18"        | 18"        | 6445V    |
| 18"        | 21"        | 6447V    |

### 7 and 8 Person Lockers



These efficient lockers are ideal for multiple user situations such as school gymnasium locker rooms. The box compartments (18"W x 12"H) are for permanent storage of athletic gear. When a user is present, the large locker (18"W x 60"H) is used for street clothes.

#### 7 Person Locker

| Unit Width | Unit Depth | Unit Height | Cat. No. |
|------------|------------|-------------|----------|
| 36"        | 18"        | 72"         | 6573V    |
| 36"        | 21"        | 72"         | 6575V    |

#### 8 Person Locker

| Unit Width | Unit Depth | Unit Height | Cat. No. |
|------------|------------|-------------|----------|
| 54"        | 18"        | 72"         | 6577V    |



## QuickShip Lockers

### QuickShip Vanguard 1 Tier

| Grp.   | Illustration | Width | Depth | Opn.Ht.* | 028 Gray  | 073 Champagne |
|--------|--------------|-------|-------|----------|-----------|---------------|
| 1-Wide |              | 12"   | 12"   | 60"      | 68001R028 | 68001R073     |
|        |              | 12"   | 15"   | 60"      | 68011R028 | 68011R073     |
|        |              | 12"   | 18"   | 60"      | 68021R028 | 68021R073     |
|        |              | 12"   | 12"   | 72"      | 68051R028 | 68051R073     |
|        |              | 12"   | 15"   | 72"      | 68061R028 | 68061R073     |
|        |              | 12"   | 18"   | 72"      | 68071R028 | 68071R073     |
|        |              | 15"   | 18"   | 72"      | 68091R028 | 68091R073     |
|        |              | 18"   | 18"   | 72"      | 68101R028 | 68101R073     |
| 2-Wide |              | 12"   | 12"   | 60"      | 68002R028 | 68002R073     |
|        |              | 12"   | 15"   | 60"      | 68012R028 | 68012R073     |
|        |              | 12"   | 18"   | 60"      | 68022R028 | 68022R073     |
|        |              | 12"   | 12"   | 72"      | 68052R028 | 68052R073     |
|        |              | 12"   | 15"   | 72"      | 68062R028 | 68062R073     |
|        |              | 12"   | 18"   | 72"      | 68072R028 | 68072R073     |
|        |              | 15"   | 18"   | 72"      | 68092R028 | 68092R073     |
|        |              | 18"   | 18"   | 72"      | 68102R028 | 68103R073     |
| 3-Wide |              | 12"   | 12"   | 60"      | 68003R028 | 68003R073     |
|        |              | 12"   | 15"   | 60"      | 68013R028 | 68013R073     |
|        |              | 12"   | 18"   | 60"      | 68023R028 | 68023R073     |
|        |              | 12"   | 12"   | 72"      | 68053R028 | 68053R073     |
|        |              | 12"   | 15"   | 72"      | 68063R028 | 68063R073     |
|        |              | 12"   | 18"   | 72"      | 68073R028 | 68073R073     |
|        |              | 15"   | 18"   | 72"      | 68093R028 | 68093R073     |
|        |              | 18"   | 18"   | 72"      | 68103R028 | 68103R073     |

### QuickShip Vanguard 2 Tier

| Grp.   | Illustration | Width | Depth | Opn.Ht.* | 028 Gray  | 073 Champagne |
|--------|--------------|-------|-------|----------|-----------|---------------|
| 1-Wide |              | 12"   | 12"   | 30"      | 68111R028 | 68111R073     |
|        |              | 12"   | 15"   | 30"      | 68031R028 | 68031R073     |
|        |              | 12"   | 18"   | 30"      | 68041R028 | 68041R073     |
|        |              | 12"   | 12"   | 36"      | 68121R028 | 68121R073     |
|        |              | 12"   | 15"   | 36"      | 68131R028 | 68131R073     |
|        |              | 12"   | 18"   | 36"      | 68141R028 | 68141R073     |
|        |              | 15"   | 18"   | 36"      | 68261R028 | 68261R073     |
|        |              | 12"   | 12"   | 30"      | 68112R028 | 68112R073     |
| 2-Wide |              | 12"   | 15"   | 30"      | 68032R028 | 68032R073     |
|        |              | 12"   | 18"   | 30"      | 68042R028 | 68042R073     |
|        |              | 12"   | 12"   | 36"      | 68122R028 | 68122R073     |
|        |              | 12"   | 15"   | 36"      | 68132R028 | 68132R073     |
|        |              | 12"   | 18"   | 36"      | 68142R028 | 68142R073     |
|        |              | 15"   | 18"   | 36"      | 68262R028 | 68262R073     |
|        |              | 12"   | 12"   | 30"      | 68113R028 | 68113R073     |
|        |              | 12"   | 15"   | 30"      | 68033R028 | 68033R073     |
| 3-Wide |              | 12"   | 18"   | 30"      | 68043R028 | 68043R073     |
|        |              | 12"   | 12"   | 36"      | 68123R028 | 68123R073     |
|        |              | 12"   | 15"   | 36"      | 68133R028 | 68133R073     |
|        |              | 12"   | 18"   | 36"      | 68143R028 | 68143R073     |
|        |              | 15"   | 18"   | 36"      | 68263R028 | 68263R073     |

### QuickShip Vanguard 3 Tier

| Grp.   | Illustration | Width | Depth | Opn.Ht.* | 028 Gray  | 073 Champagne |
|--------|--------------|-------|-------|----------|-----------|---------------|
| 1-Wide |              | 12"   | 12"   | 24"      | 68331R028 | 68331R073     |
|        |              | 12"   | 15"   | 24"      | 68341R028 | 68341R073     |
|        |              | 12"   | 18"   | 24"      | 68351R028 | 68351R073     |
| 2-Wide |              | 12"   | 12"   | 24"      | 68332R028 | 68332R073     |
|        |              | 12"   | 15"   | 24"      | 68342R028 | 68342R073     |
|        |              | 12"   | 18"   | 24"      | 68352R028 | 68352R073     |
| 3-Wide |              | 12"   | 12"   | 24"      | 68333R028 | 68333R073     |
|        |              | 12"   | 15"   | 24"      | 68343R028 | 68343R073     |
|        |              | 12"   | 18"   | 24"      | 68353R028 | 68353R073     |

### Lockers in 5 working days

- KD lockers ship in 72 hours
- Many QuickShip accessories are available (see next pages)
- 1, 2 & 3 Tier models have Recessed Handles
- Assembly available by request
- 6" Legs standard (available with no legs by request)
- Number plates included
- 1, 2 and 3-Wide groupings

### QuickShip Vanguard 5 Tier

| Grp.   | Illustration | Width | Depth | Opn.Ht.* | 028 Gray  | 073 Champagne |
|--------|--------------|-------|-------|----------|-----------|---------------|
| 1-Wide |              | 12"   | 12"   | 12"      | 68161X028 | 68161X073     |
|        |              | 12"   | 15"   | 12"      | 68171X028 | 68171X073     |
| 2-Wide |              | 12"   | 12"   | 12"      | 68162X028 | 68162X073     |
|        |              | 12"   | 15"   | 12"      | 68172X028 | 68172X073     |
| 3-Wide |              | 12"   | 12"   | 12"      | 68163X028 | 68163X073     |
|        |              | 12"   | 15"   | 12"      | 68173X028 | 68173X073     |

### QuickShip Vanguard 6 Tier

| Grp.   | Illustration | Width | Depth | Opn.Ht.* | 028 Gray  | 073 Champagne |
|--------|--------------|-------|-------|----------|-----------|---------------|
| 1-Wide |              | 12"   | 12"   | 12"      | 68191X028 | 68191X073     |
|        |              | 12"   | 15"   | 12"      | 68201X028 | 68201X073     |
|        |              | 12"   | 18"   | 12"      | 68211X028 | 68211X073     |
| 2-Wide |              | 12"   | 12"   | 12"      | 68192X028 | 68192X073     |
|        |              | 12"   | 15"   | 12"      | 68202X028 | 68202X073     |
|        |              | 12"   | 18"   | 12"      | 68212X028 | 68212X073     |
| 3-Wide |              | 12"   | 12"   | 12"      | 68193X028 | 68193X073     |
|        |              | 12"   | 15"   | 12"      | 68203X028 | 68203X073     |
|        |              | 12"   | 18"   | 12"      | 68213X028 | 68213X073     |

### QuickShip Vanguard Specialty Lockers

| 16 Person    |       |       |            |           |               |  |
|--------------|-------|-------|------------|-----------|---------------|--|
| Illustration | Width | Depth | Frame Ht.* | 028 Gray  | 073 Champagne |  |
|              | 69"   | 18"   | 72"        | 68231X028 | 68231X073     |  |
| Wall Mount   |       |       |            |           |               |  |
|              | 45"   | 18"   | 13-5/8"    | 68242X028 | 68242X073     |  |

\* Height shown is the nominal opening height for 1 through 6 tier, and overall frame height for others, not including 6" legs which are standard on all except the Wall Mount Locker. Width is the nominal outside dimension for 1 frame.

\*\* Shaded area in illustrations indicates the unit of sale; i.e. Cat. No. 68003R028 is for one frame of a 12" x 12" x 60" 1 tier locker, but since it is packaged in a group of 3, it must be ordered in multiples of 3.

\*\*\*These are FULL COLOR lockers (not CCBP).

## QuickShip Locker Accessories

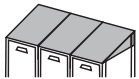
### QuickShip Slope Top Kits

#### 1-Wide



| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| 12"   | 12"   | 4"     | 60229H028     |
| 12"   | 15"   | 5"     | 60231H028     |
| 12"   | 18"   | 6"     | 60233H028     |
| 15"   | 18"   | 6"     | 60239H028     |
| 18"   | 18"   | 6"     | 60243H028     |
| Width | Depth | Height | 073 Champagne |
| 12"   | 12"   | 4"     | 60229H073     |
| 12"   | 15"   | 5"     | 60231H073     |
| 12"   | 18"   | 6"     | 60233H073     |
| 15"   | 18"   | 6"     | 60239H073     |
| 18"   | 18"   | 6"     | 60243H073     |

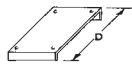
#### 3-Wide



| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| 12"   | 12"   | 4"     | 60230H028     |
| 12"   | 15"   | 5"     | 60232H028     |
| 12"   | 18"   | 6"     | 60234H028     |
| 15"   | 18"   | 6"     | 60240H028     |
| 18"   | 18"   | 6"     | 60244H028     |
| Width | Depth | Height | 073 Champagne |
| 12"   | 12"   | 4"     | 60230H073     |
| 12"   | 15"   | 5"     | 60232H073     |
| 12"   | 18"   | 6"     | 60234H073     |
| 15"   | 18"   | 6"     | 60240H073     |
| 18"   | 18"   | 6"     | 60244H073     |

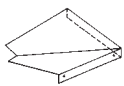
### QuickShip Slope Top Fillers

#### Slope Top Fillers



| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| 15"   | 12"   | -      | 661371-028    |
| 15"   | 15"   | -      | 661372-028    |
| 15"   | 18"   | -      | 661373-028    |
| Width | Depth | Height | 073 Champagne |
| 15"   | 12"   | -      | 661371-073    |
| 15"   | 15"   | -      | 661372-073    |
| 15"   | 18"   | -      | 661373-073    |

Slope Top Corner Filler Kits - For use with continuous hood ONLY. Includes (1) slope top corner filler and (2) splices



| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| 12"   | 12"   | -      | 66100-KIT-028 |
| 15"   | 15"   | -      | 66101-KIT-028 |
| 18"   | 18"   | -      | 66102-KIT-028 |
| Width | Depth | Height | 073 Champagne |
| 12"   | 12"   | -      | 66100-KIT-073 |
| 15"   | 15"   | -      | 66101-KIT-073 |
| 18"   | 18"   | -      | 66102-KIT-073 |

### QuickShip Hoods

#### Slope Hood (18 Ga.)



| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| 72"   | 12"   | 5"     | 66144H028     |
| 72"   | 15"   | 6"     | 66147H028     |
| 72"   | 18"   | 7"     | 66150H028     |
| Width | Depth | Height | 073 Champagne |
| 72"   | 12"   | 5"     | 66144H073     |
| 72"   | 15"   | 6"     | 66147H073     |
| 72"   | 18"   | 7"     | 66150H073     |

#### Hood Splice



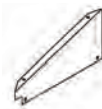
| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| -     | 12"   | -      | 66168-028     |
| -     | 15"   | -      | 66169-028     |
| -     | 18"   | -      | 66170-028     |
| Width | Depth | Height | 073 Champagne |
| -     | 12"   | -      | 66168-073     |
| -     | 15"   | -      | 66169-073     |
| -     | 18"   | -      | 66170-073     |

#### Left Hand Slope End



| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| -     | 12"   | -      | 66158H028     |
| -     | 15"   | -      | 66160H028     |
| -     | 18"   | -      | 66162H028     |
| Width | Depth | Height | 073 Champagne |
| -     | 12"   | -      | 66158H073     |
| -     | 15"   | -      | 66160H073     |
| -     | 18"   | -      | 66162H073     |

#### Right Hand Slope End



| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| -     | 12"   | -      | 66159H028     |
| -     | 15"   | -      | 66161H028     |
| -     | 18"   | -      | 66163H028     |
| Width | Depth | Height | 073 Champagne |
| -     | 12"   | -      | 66159H073     |
| -     | 15"   | -      | 66161H073     |
| -     | 18"   | -      | 66163H073     |

#### Universal Hood Support

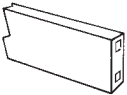


| Width | Depth | Height |       |
|-------|-------|--------|-------|
| -     | -     | -      | 66070 |

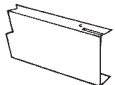
## QuickShip Locker Accessories

### QuickShip Locker Bases, 6" High (for lockers with 6" Legs)

| Front Bases |       |        |               |
|-------------|-------|--------|---------------|
| Width       | Depth | Height | 028 Gray      |
| 12"         |       | 6"     | 60217-028     |
| 15"         |       | 6"     | 60218-028     |
| 18"         |       | 6"     | 60219-028     |
| Width       | Depth | Height | 073 Champagne |
| 12"         |       | 6"     | 60217-073     |
| 15"         |       | 6"     | 60218-073     |
| 18"         |       | 6"     | 60219-073     |

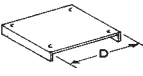


| End Bases |       |        |               |
|-----------|-------|--------|---------------|
| Width     | Depth | Height | 028 Gray      |
|           | 12"   | 6"     | 60204-028     |
|           | 15"   | 6"     | 60205-028     |
|           | 18"   | 6"     | 60206-028     |
| Width     | Depth | Height | 073 Champagne |
|           | 12"   | 6"     | 60204-073     |
|           | 15"   | 6"     | 60205-073     |
|           | 18"   | 6"     | 60206-073     |



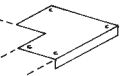
### QuickShip Flat Top Fillers

| Flat Top Fillers (Overlaps Standard Tops) |       |        |               |
|---|-------|--------|---------------|
| Width                                     | Depth | Height | 028 Gray      |
| 15"                                       | 12"   | -      | 661321C028    |
| 15"                                       | 15"   | -      | 661322C028    |
| 15"                                       | 18"   | -      | 661323C028    |
| Width                                     | Depth | Height | 073 Champagne |
| 15"                                       | 12"   | -      | 661321C073    |
| 15"                                       | 15"   | -      | 661322C073    |
| 15"                                       | 18"   | -      | 661323C073    |



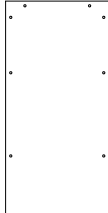
### Flat Top Corner Fillers

| Flat Top Corner Fillers |       |        |               |
|-------------------------|-------|--------|---------------|
| Width                   | Depth | Height | 028 Gray      |
| 12"                     | 12"   | -      | 66138-028     |
| 15"                     | 15"   | -      | 66139-028     |
| 18"                     | 18"   | -      | 66140-028     |
| Width                   | Depth | Height | 073 Champagne |
| 12"                     | 12"   | -      | 66138-073     |
| 15"                     | 15"   | -      | 66139-073     |
| 18"                     | 18"   | -      | 66140-073     |



### Flat Top Exposed Ends/Divisions (16 Ga.)

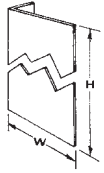
| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| -     | 12"   | 60"    | 601660-028    |
| -     | 15"   | 60"    | 601670-028    |
| -     | 18"   | 60"    | 601680-028    |
| -     | 12"   | 72"    | 601760-028    |
| -     | 15"   | 72"    | 601790-028    |
| -     | 18"   | 72"    | 601800-028    |
| Width | Depth | Height | 073 Champagne |
| -     | 12"   | 60"    | 601660-073    |
| -     | 15"   | 60"    | 601670-073    |
| -     | 18"   | 60"    | 601680-073    |
| -     | 12"   | 72"    | 601760-073    |
| -     | 15"   | 72"    | 601790-073    |
| -     | 18"   | 72"    | 601800-073    |



### Hardware Kit - Locker Groupings

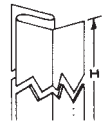
| Description   | Cat.No.      |
|---|--------------|
| Hardware kit to join locker grouping together - 100 - 1/2" bolts and 100 - nuts | 8633/72-Hkit |

### QuickShip Fillers



| Vertical Angles |       |        |               |
|-----------------|-------|--------|---------------|
| Width           | Depth | Height | 028 Gray      |
| 12"             | -     | 60"    | 66113-028     |
| 12"             | -     | 66"    | 661221-028    |
| 12"             | -     | 72"    | 661141-028    |
| 12"             | -     | 78"    | 66116-028     |
| Width           | Depth | Height | 073 Champagne |
| 12"             | -     | 60"    | 66113-073     |
| 12"             | -     | 66"    | 661221-073    |
| 12"             | -     | 72"    | 661141-073    |
| 12"             | -     | 78"    | 66116-073     |

### Wall Angles (slip joint)



| Width | Depth | Height | 028 Gray      |
|-------|-------|--------|---------------|
| -     | -     | 60"    | 66118-028     |
| -     | -     | 66"    | 66120-028     |
| -     | -     | 72"    | 66119-028     |
| -     | -     | 78"    | 66121-028     |
| Width | Depth | Height | 073 Champagne |
| -     | -     | 60"    | 66118-073     |
| -     | -     | 66"    | 66120-073     |
| -     | -     | 72"    | 66119-073     |
| -     | -     | 78"    | 66121-073     |

### Vertical Angle Kits - Includes (1) filler and (1) wall angle

| Width | Depth | Height | 028 Gray       |
|-------|-------|--------|----------------|
| 12"   | -     | 60"    | 66113-KIT-028  |
| 12"   | -     | 66"    | 661221-KIT-028 |
| 12"   | -     | 72"    | 661141-KIT-028 |
| 12"   | -     | 78"    | 66116-KIT-028  |
| Width | Depth | Height | 073 Champagne  |
| 12"   | -     | 60"    | 66113-KIT-073  |
| 12"   | -     | 66"    | 661221-KIT-073 |
| 12"   | -     | 72"    | 661141-KIT-073 |
| 12"   | -     | 78"    | 66116-KIT-073  |

### Touch Up Spray Paint - 12 oz.

|  |          |               |
|--|----------|---------------|
| Must be ordered with lockers, shelving, or RivetRite products. | 028 Gray | 073 Champagne |
|  | 97028Z   | 97073Z        |

### QuickShip Zee Bases For Lockers without Legs

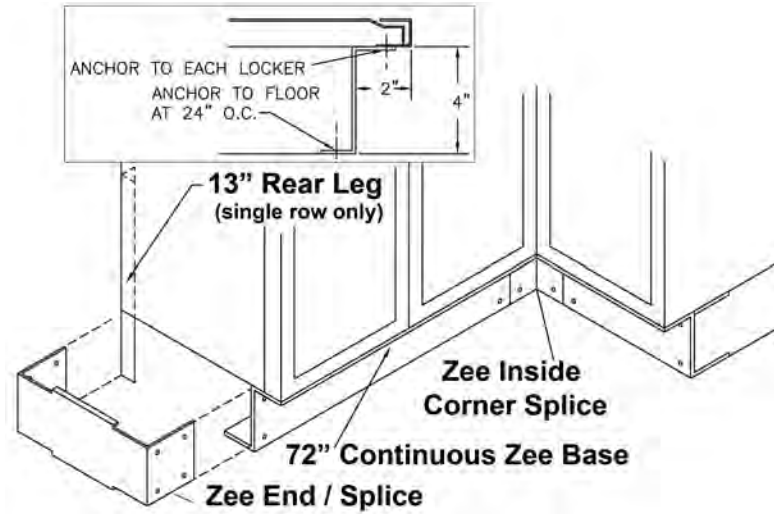
| See illustration on page 13 | Front Zee Base (14 Ga.)   |       |            |               |
|-----------------------------|---|-------|------------|---------------|
|                             | Width   | Depth | Height     | 028 Gray      |
|                             | 72"   | -     | 4"         | 66700H028     |
|                             | Width   | Depth | Height     | 073 Champagne |
|                             | 72"   | -     | 4"         | 66700H073     |
|                             | Zee Base Kits - Single Row - Includes (1) front zee base, (2) rear legs, and 1 splice/end |       |            |               |
|                             | -   | 12"   | 4"         | 6ZBS412KIT    |
|                             | -   | 15"   | 4"         | 6ZBS415KIT    |
|                             | -   | 18"   | 4"         | 6ZBS418KIT    |
|                             | -   | 12"   | 6"         | 6ZBS612KIT    |
| -                           | 15"   | 6"    | 6ZBS615KIT |               |
| -                           | 18"   | 6"    | 6ZBS618KIT |               |

### QuickShip Zee Bases For Lockers without Legs


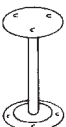
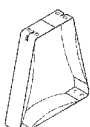
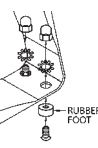

| See illustration on page 13 | Splice/End Base |       |        |               |
|-----------------------------|-----------------|-------|--------|---------------|
|                             | Width           | Depth | Height | 028 Gray      |
|                             | -               | 12"   | 4"     | 66701H028     |
|                             | -               | 15"   | 4"     | 66702H028     |
|                             | -               | 18"   | 4"     | 66703H028     |
|                             | Width           | Depth | Height | 073 Champagne |
|                             | -               | 12"   | 4"     | 66701H073     |
|                             | -               | 15"   | 4"     | 66702H073     |
|                             | -               | 18"   | 4"     | 66703H073     |

## QuickShip Locker Accessories

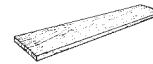
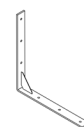


| QuickShip Zee Bases For Lockers without Legs |  |       |        |               |
|--|--|-------|--------|---------------|
| See illustration on right                    | Zee Inside Corner Splice                 |       |        |               |
|  | Width                                    | Depth | Height | 028 Gray      |
|  | -  | 12"   | 4"     | 66709H028     |
|  | Width                                    | Depth | Height | 073 Champagne |
|  | -  | 12"   | 4"     | 66709H073     |
|  | Rear Leg (for use with 4" high Zee Base) |       |        |               |
|  | Width                                    | Depth | Height | 028 Gray      |
|  | -  | -     | 13"    | 60092-028     |
|  | Width                                    | Depth | Height | 073 Champagne |
|  | -  | -     | 13"    | 60092-073     |




## QuickShip Locker Room Benches & Accessories

| Width  | Depth         | Height  | Cat. No.  | Description   |   |
|--|---------------|---------|-----------|---|---|
| Hardwood Bench Tops  |               |         |           |   |   |
|  | 36"           | 9-1/2"  | 1-1/4"    | 9611  | Finished with clear lacquer. Use 2 pedestals per bench through 96". |
|  | 48"           | 9-1/2"  | 1-1/4"    | 9600  |   |
|  | 72"           | 9-1/2"  | 1-1/4"    | 9602  |   |
|  | 96"           | 9-1/2"  | 1-1/4"    | 9604  |   |
| Steel Tube Heavy Duty Pedestals  |               |         |           |   |   |
|  | 028 Gray      | 16-1/4" | 60822H028 | Includes hardware to mount to bench. Pedestal must be anchored to floor for safety - see concrete floor anchor. |   |
|  | 073 Champagne | 16-1/4" | 60822H073 |   |   |
| Stainless Steel Pedestal   |               |         |           |   |   |
|  | -             | 16-1/4" | 60827H    | Includes hardware to fasten to bench. See non-skid kit below.   |   |
| Non-Skid Pedestal Kit for Stainless Pedestal                                       |               |         |           |   |   |
|  | -             | -       | 68420     | Set of 4 rubber feet and hardware for Stainless Steel Pedestals. Order 1 set per pedestal.                      |   |
| Concrete Floor Anchor 1/4" Diameter  |               |         |           |   |   |
|  | -             | 2"      | 9680      |   |   |

## ADA Benches/Bracket/Shelves/Logo

| Width   | Depth | Height | Cat. No. | Description  |  |
|---|-------|--------|----------|--------------|--|
| Hardwood Benches for ADA Applications   |       |        |          |              |  |
|   | 42"   | 18"    | 1-1/4"   | 9625         | These benches are used with the Bench Bracket (below). |
|   | 42"   | 24"    | 1-1/4"   | 9624         |  |
|   | 48"   | 18"    | 1-1/4"   | 9628         |  |
|   | 48"   | 24"    | 1-1/4"   | 9623         |  |
| Bench Bracket for ADA Bench   |       |        |          |              |  |
|  | Width | Depth  | Height   | 028 Gray     | 073 Champagne  |
|   | -     | 20"    | 20"      | 6ACXHP61H028 | 6ACXHP61H073   |
| To provide back support with 18" bench and 24" seat.                                |       |        |          |              |  |
| ADA Logo Label  |       |        |          |              |  |
|  | -     | -      | -        | 8690         |  |
| Locker Shelves for ADA Applications   |       |        |          |              |  |
|  | Width | Depth  | Height   | 028 Gray     | 073 Champagne  |
|   | 12"   | 12"    | -        | 60400-028    | 60400-073  |
|   | 12"   | 15"    | -        | 60402-028    | 60402-073  |
|   | 12"   | 18"    | -        | 60404-028    | 60404-073  |
|   | 15"   | 18"    | -        | 60408-028    | 60408-073  |
|   | 18"   | 18"    | -        | 60412-028    | 60412-073  |
| Extra shelves must be installed in the field - may require drilling.                |       |        |          |              |  |

## QuickShip Locks

| Description  | Cat.No. |
|--|---------|
|  Dead Bolt, Flat Key Lock | 9617    |
| Master Key for Dead Bolt Flat Key Lock   | 96171   |



## At a Glance

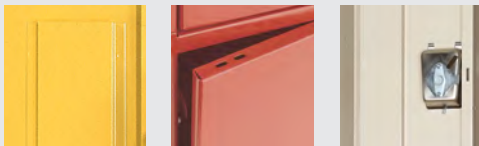
- Knocked down construction
- Standard solid 16 ga. door and Classic III handle
- 14 ga. door available
- Optional Defiant II single point latching

## Ventilation Options



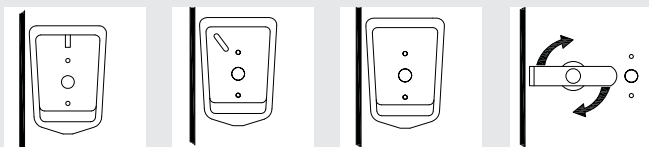
Solid Door (S)    Standard Louvers (O)    Mini Louvers (O)    Diamond Shaped (A)

## Door Options



Medallion (O)    Guardian PLUS (A)    Guardian Defiant II (A)

## Door Handle Options



Classic III Recessed (S)    Defiant II Recessed (A)    Defiant II Rotary Recessed (A)    Cremone Turn Handle  
A - On most Guardian "Plus" models

S = Standard    O = Optional\*    A = Available with 14 gauge door only\*  
\*additional charges may apply

For Guardian specifications, see page 97.

*CCBP: Common Color Body Parts (Vanguard and Guardian only): Backs, tops, bottoms, sides, & shelves all come in 073 Champagne as standard. Full color available upon special order at an additional cost. (This excludes Guardian Duplex, 2-person, Galvanneal lockers).*



Standard Guardian lockers build upon the design features of the Vanguard series with several enhancements and options that give it a distinctive look.

Our one piece deep drawn Classic III stainless steel recessed pocket is part of every Guardian. It eliminates protrusions from the locker front and accepts a padlock or a built-in lock.

The 16 gauge door front has a solid exterior, aiding quiet operation. Ventilation is achieved by slots in the top and bottom flanges of the door.

**Medallion Option:** This upgrade has a sound damping panel welded to the door reducing noise levels when doors are slammed.

**Guardian PLUS:** This upgrade increases the thickness of the door to 14 gauge. The Guardian PLUS locker is ideally suited for corridors and situations where the locker is likely to encounter harsher than normal usage.

**Guardian Defiant II:** This combines a 14 gauge door with a single point latch stainless steel pocket and a reinforcing pan that stiffens the door. See page 96 for more information.



1 Tier    2 Tier    3 Tier    2 Person    Duplex

## Sizes and Dimensions

### Guardian 1 Tier Lockers

|                |       | Standard Door 16 ga.* |          | Medallion Door 16 ga.* |          | Guardian PLUS 14 ga. |          | Defiant II Latch- 14 ga. |          |
|----------------|-------|-----------------------|----------|------------------------|----------|----------------------|----------|--------------------------|----------|
| Opening Height |       | 60"                   | 72"      | 60"                    | 72"      | 60"                  | 72"      | 60"                      | 72"      |
| Width          | Depth | Cat. No.              | Cat. No. | Cat. No.               | Cat. No. | Cat. No.             | Cat. No. | Cat. No.                 | Cat. No. |
| 9"             | 12"   | 6101G                 | 6151G    | 6101M                  | 6151M    | 6C101                | 6C151    | -                        | -        |
|                | 15"   | 6103G                 | 6153G    | 6103M                  | 6153M    | 6C103                | 6C153    | -                        | -        |
|                | 18"   | 6105G                 | 6155G    | 6105M                  | 6155M    | 6C105                | 6C155    | -                        | -        |
| 12"            | 12"   | 6111G                 | 6161G    | 6111M                  | 6161M    | 6C111                | 6C161    | 6E111                    | 6E161    |
|                | 15"   | 6113G                 | 6163G    | 6113M                  | 6163M    | 6C113                | 6C163    | 6E113                    | 6E163    |
|                | 18"   | 6115G                 | 6165G    | 6115M                  | 6165M    | 6C115                | 6C165    | 6E115                    | 6E165    |
|                | 21"   | 6117G                 | 6167G    | 6117M                  | 6167M    | 6C117                | 6C167    | 6E117                    | 6E167    |
|                | 24"   | 6144G                 | 6168G    | -                      | 6168M    | 6C144                | 6C168    | -                        | -        |
| 15"            | 12"   | 6119G                 | 6169G    | 6119M                  | 6169M    | 6C119                | 6C169    | 6E119                    | 6E169    |
|                | 15"   | 6121G                 | 6171G    | 6121M                  | 6171M    | 6C121                | 6C171    | 6E121                    | 6E171    |
|                | 18"   | 6123G                 | 6173G    | 6123M                  | 6173M    | 6C123                | 6C173    | 6E123                    | 6E173    |
|                | 21"   | 6125G                 | 6175G    | 6125M                  | 6175M    | 6C125                | 6C175    | 6E125                    | 6E175    |
| 18"            | 18"   | 6131G                 | 6181G    | -                      | 6181M    | 6C131                | 6C181    | 6E131                    | 6E181    |
|                | 21"   | 6133G                 | 6183G    | -                      | 6183M    | 6C133                | 6C183    | 6E133                    | 6E183    |
|                | 24"   | 6135G                 | 6185G    | -                      | 6185M    | 6C135                | 6C185    | 6E135                    | 6E185    |

### Guardian 2 Tier Lockers

|                |       | Standard Door 16 ga.* |          | Medallion Door 16 ga.* |          | Guardian PLUS 14 ga. |          | Defiant II Latch - 14 ga. |          |
|----------------|-------|-----------------------|----------|------------------------|----------|----------------------|----------|---------------------------|----------|
| Overall Height |       | 60"                   | 72"      | 60"                    | 72"      | 60"                  | 72"      | 60"                       | 72"      |
| Opening Height |       | 30"                   | 36"      | 30"                    | 36"      | 30"                  | 36"      | 30"                       | 36"      |
| Width          | Depth | Cat. No.              | Cat. No. | Cat. No.               | Cat. No. | Cat. No.             | Cat. No. | Cat. No.                  | Cat. No. |
| 9"             | 12"   | -                     | 6230G    | -                      | -        | -                    | -        | -                         | -        |
|                | 15"   | -                     | 6223G    | -                      | -        | -                    | -        | -                         | -        |
|                | 18"   | -                     | 6225G    | -                      | -        | -                    | -        | -                         | -        |
| 12"            | 12"   | 6211G                 | 6231G    | 6211M                  | 6231M    | 6C211                | 6C231    | 6E211                     | 6E231    |
|                | 15"   | 6213G                 | 6233G    | 6213M                  | 6233M    | 6C213                | 6C233    | 6E213                     | 6E233    |
|                | 18"   | 6215G                 | 6235G    | 6215M                  | 6235M    | 6C215                | 6C235    | 6E215                     | 6E235    |
|                | 21"   | 6217G                 | 6218G    | 6217M                  | 6218M    | 6C217                | 6C218    | 6E217                     | 6E218    |
|                | 24"   | -                     | 6220G    | -                      | 6220M    | -                    | -        | -                         | 6E220    |
| 15"            | 12"   | 6227G                 | 6239G    | -                      | 6239M    | 6C227                | 6C239    | 6E227                     | 6E239    |
|                | 15"   | 6229G                 | 6241G    | -                      | 6241M    | 6C229                | 6C241    | 6E229                     | 6E241    |
|                | 18"   | 6237G                 | 6243G    | -                      | 6243M    | 6C237                | 6C243    | 6E237                     | 6E243    |
|                | 21"   | 6257G                 | 6245G    | -                      | 6245M    | 6C257                | 6C245    | 6E257                     | 6E245    |
|                | 24"   | -                     | 6246G    | -                      | 6246M    | -                    | -        | -                         | -        |
| 18"            | 18"   | -                     | 6247G    | -                      | -        | -                    | 6C247    | 6E281                     | 6E247    |
|                | 21"   | -                     | 6249G    | -                      | -        | -                    | 6C249    | 6E283                     | 6E249    |
|                | 24"   | -                     | 6250G    | -                      | -        | -                    | -        | -                         | -        |

### Guardian Duplex Lockers

|                |       | Standard 16 ga. |  |
|----------------|-------|-----------------|--|
| Opening Height |       | 72"             |  |
| Width          | Depth | Cat. No.        |  |
|                | 15"   | 6531G           |  |
|                | 18"   | 6533G           |  |
|                | 21"   | 6535G           |  |

### Guardian 2 Person Lockers

|                |       | Standard 16 ga. |          | Medallion 16 ga. |
|----------------|-------|-----------------|----------|------------------|
| Overall Height |       | 60"             | 72"      | 72"              |
| Width          | Depth | Cat. No.        | Cat. No. | Cat. No.         |
| 15"            | 12"   | 6510G           | 6500G    | -                |
|                | 15"   | 6506G           | 6501G    | 6501M            |
|                | 18"   | 6437G           | 6503G    | 6503M            |
|                | 21"   | -               | 6505G    | -                |
| 18"            | 15"   | -               | 6509G    | -                |
|                | 18"   | -               | 6515G    | -                |
|                | 21"   | -               | 6525G    | -                |

### Guardian 3 Tier Lockers

|                |       | Standard 16 ga. |          | Medallion 16 ga. | Guardian PLUS 14 ga. |          | Defiant II Latch 14 ga. |          |
|----------------|-------|-----------------|----------|------------------|----------------------|----------|-------------------------|----------|
| Overall Height |       | 60"             | 72"      | 72"              | 60"                  | 72"      | 60"                     | 72"      |
| Opening Height |       | 20"             | 24"      | 24"              | 20"                  | 24"      | 20"                     | 24"      |
| Width          | Depth | Cat. No.        | Cat. No. | Cat. No.         | Cat. No.             | Cat. No. | Cat. No.                | Cat. No. |
| 12"            | 12"   | 6407G           | 6419G    | 6419M            | 6C407                | 6C419    | 6E407                   | 6E419    |
|                | 15"   | 6409G           | 6421G    | 6421M            | 6C409                | 6C421    | 6E409                   | 6E421    |
|                | 18"   | 6411G           | 6423G    | 6423M            | 6C411                | 6C423    | 6E411                   | 6E423    |
|                | 21"   | 6449G           | 6499G    | 6499M            | 6C449                | 6C499    | 6E449                   | 6E499    |
| 15"            | 12"   | -               | 6425G    | -                | -                    | 6C425    | -                       | 6E425    |
|                | 15"   | 6451G           | 6427G    | -                | -                    | 6C427    | 6E451                   | 6E427    |
|                | 18"   | 6453G           | 6429G    | -                | -                    | 6C429    | 6E453                   | 6E429    |
|                | 21"   | 6455G           | 6437G    | -                | -                    | 6C437    | 6E455                   | 6E437    |

\* All dimensions are in inches. Overall Height is the overall height of the locker frame, NOT including legs. Opening Height is the nominal height of the individual door opening.

Opening Height for 2 Person Lockers: for 60" high models, bottom doors are nominal 42" high; for 72" high models, bottom doors are nominal 54" high. Book compartment doors are nominal 9" high each.

## At a Glance

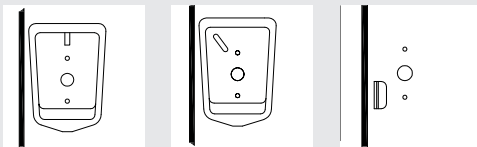
- Knocked down construction
- Diamond perforations on door and sides
- 14 ga. door, 16 ga. body & 18 ga. back
- Classic III or Defiant II pocket available on 1, 2 and 3 tier
- Friction on 4 through 6 tier

## Ventilation Options

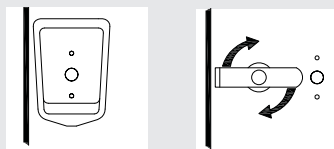


Diamond Shaped (S)    Standard Louvers (O)    Mini Louvers (O)    Solid Door (O)

## Door Handle Options



Classic III Recessed (S)    Defiant II Recessed (O)    Friction Catch (SB)



Defiant II Rotary Recessed (A)    Cremone Turn Handle (A) On most 1, 2 and 3 Tier Invincible II models

S = Standard    O = Optional\*    A = Available\*  
 SB = Std. on Box Lockers    OB = Optional on Box Lockers\*

\*additional charges may apply

For Invincible II **specifications**, see page 99.  
 For Defiant Doors, see page 104.



Penco's Invincible II athletic lockers are an exceptionally attractive and durable choice for gym lockers. Ideal for applications that require a high degree of ventilation and strength, or where visual inspection of locker contents is desired.

Doors are made from heavy 14 gauge steel. Sides, tops, bottoms and shelves are 16 gauge steel. Backs are 18 gauge. Doors and sides are perforated with a diamond-shaped pattern allowing maximum air circulation while maintaining security. Solid doors are an option.

**Invincible II** lockers come in a variety of styles: 1 tier, 2 tier and 3 tier all have as standard the Classic III stainless steel recessed pocket and multi-point latching. Standard 4, 5, 6, 8 and 9 tier box locker doors have a padlock hasp and a spring loaded latch and will accept built-in locks. Available at extra cost is a spring loaded latch.

Both 2 & 3 tier lockers have horizontal frame members welded between the doors for added strength and security. 24" wide lockers have full width doors. If slope tops are required, use hoods. All lockers accept built-in locks or padlocks and have rubber bumpers on the frame to help reduce noise.



1 Tier    2 Tier    3 Tier    4 Tier    5 Tier    6 Tier    8 Tier    9 Tier

## Sizes and Dimensions

| Invincible II 1 Tier Lockers |       |               |          |            |          |
|------------------------------|-------|---------------|----------|------------|----------|
|                              |       | Std. Cat. No. |          | Defiant II |          |
| Overall Ht.                  |       | -             | -        | -          | -        |
| Opening Ht.                  |       | 60"           | 72"      | 60"        | 72"      |
| Width                        | Depth | Cat. No.      | Cat. No. | Cat. No.   | Cat. No. |
| 9"                           | 12"   | 6A101         | 6A107    | -          | -        |
|                              | 15"   | 6A103         | 6A109    | -          | -        |
|                              | 18"   | 6A105         | 6A111    | -          | -        |
| 12"                          | 12"   | 6A129         | 6A157    | 6P129      | 6P157    |
|                              | 15"   | 6A131         | 6A159    | 6P131      | 6P159    |
|                              | 18"   | 6A135         | 6A161    | 6P135      | 6P161    |
|                              | 21"   | 6A133         | 6A163    | -          | -        |
| 15"                          | 15"   | 6A143         | 6A169    | 6P143      | 6P169    |
|                              | 18"   | 6A145         | 6A171    | 6P145      | 6P171    |
|                              | 21"   | 6A147         | 6A173    | 6P147      | 6P173    |
|                              | 24"   | -             | 6A172    | -          | -        |
| 18"                          | 15"   | 6A149         | 6A175    | 6P149      | 6P175    |
|                              | 18"   | 6A151         | 6A177    | 6P151      | 6P177    |
|                              | 21"   | 6A153         | 6A179    | 6P153      | 6P179    |
|                              | 24"   | 6A155         | 6A181    | 6P155      | 6P181    |
| 24"                          | 15"   | -             | 6A182    | -          | -        |
|                              | 18"   | 6A117         | 6A123    | 6P117      | 6P123    |
|                              | 21"   | 6A119         | 6A125    | 6P119      | 6P125    |
|                              | 24"   | 6A121         | 6A127    | 6P121      | 6P127    |

| Invincible II 2 Tier Lockers |       |               |          |            |          |
|------------------------------|-------|---------------|----------|------------|----------|
|                              |       | Std. Cat. No. |          | Defiant II |          |
| Overall Ht.                  |       | 60"           | 72"      | 60"        | 72"      |
| Opening Ht.                  |       | 30"           | 36"      | 30"        | 36"      |
| Width                        | Depth | Cat. No.      | Cat. No. | Cat. No.   | Cat. No. |
| 9"                           | 12"   | -             | -        | -          | -        |
|                              | 15"   | -             | -        | -          | -        |
|                              | 18"   | -             | -        | -          | -        |
| 12"                          | 12"   | 6A213         | 6A245    | 6P213      | 6P245    |
|                              | 15"   | 6A215         | 6A247    | 6P215      | 6P247    |
|                              | 18"   | 6A217         | 6A249    | 6P217      | 6P249    |
|                              | 21"   | -             | 6A251    | -          | -        |
| 15"                          | 15"   | 6A225         | 6A257    | 6P225      | 6P257    |
|                              | 18"   | 6A239         | 6A259    | 6P239      | 6P259    |
|                              | 21"   | 6A241         | 6A261    | 6P241      | 6P261    |
|                              | 24"   | -             | 6A253    | -          | -        |
| 18"                          | 15"   | 6A223         | 6A263    | 6P223      | 6P263    |
|                              | 18"   | 6A227         | 6A265    | 6P227      | 6P265    |
|                              | 21"   | 6A229         | 6A267    | 6P229      | 6P267    |
|                              | 24"   | 6A231         | 6A269    | 6P231      | 6P269    |
| 24"                          | 15"   | -             | -        | -          | -        |
|                              | 18"   | 6A233         | 6A271    | 6P233      | 6P271    |
|                              | 21"   | 6A235         | 6A273    | 6P235      | 6P273    |
|                              | 24"   | 6A237         | 6A275    | 6P237      | 6P275    |

| Invincible II 3 Tier Lockers |       |               |          |            |          |
|------------------------------|-------|---------------|----------|------------|----------|
|                              |       | Std. Cat. No. |          | Defiant II |          |
| Overall Ht.                  |       | 60"           | 72"      | 60"        | 72"      |
| Opening Ht.                  |       | 20"           | 24"      | 20"        | 24"      |
| Width                        | Depth | Cat. No.      | Cat. No. | Cat. No.   | Cat. No. |
| 9"                           | 12"   | -             | -        | -          | -        |
|                              | 15"   | -             | -        | -          | -        |
|                              | 18"   | -             | -        | -          | -        |
| 12"                          | 12"   | 6A287         | 6A281    | 6P287      | 6P281    |
|                              | 15"   | 6A289         | 6A283    | 6P289      | 6P283    |
|                              | 18"   | 6A291         | 6A285    | 6P291      | 6P285    |
|                              | 21"   | -             | -        | -          | -        |
| 15"                          | 15"   | 6A293         | 6A301    | 6P293      | 6P301    |
|                              | 18"   | 6A295         | 6A303    | 6P295      | 6P303    |
|                              | 21"   | 6A297         | 6A305    | 6P297      | 6P305    |
|                              | 24"   | -             | -        | -          | -        |
| 18"                          | 15"   | -             | -        | -          | -        |
|                              | 18"   | 6A220         | 6A221    | -          | -        |
|                              | 21"   | -             | -        | -          | -        |
|                              | 24"   | -             | -        | -          | -        |
| 24"                          | 15"   | -             | -        | -          | -        |
|                              | 18"   | -             | -        | -          | -        |
|                              | 21"   | -             | -        | -          | -        |
|                              | 24"   | -             | -        | -          | -        |

### Invincible II 4, 5, 6, 8 & 9 Tier Box Lockers

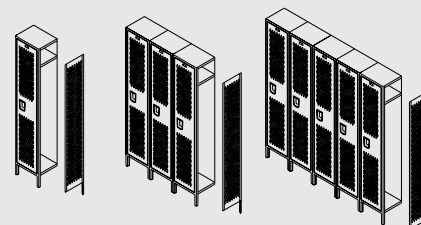
|                |       | 4 Tier   |          | 5 Tier   |          | 6 Tier   | 8 Tier   | 9 Tier   |
|----------------|-------|----------|----------|----------|----------|----------|----------|----------|
| Overall Height |       | 60"      | 72"      | 60"      | 72"      | 72"      | 72"      | 72"      |
| Opening Height |       | 15"      | 18"      | 12"      | 14-2/5"  | 12"      | 9"       | 8"       |
| Width          | Depth | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |
| 12"            | 12"   | 6A307    | 6A319    | 6A351    | 6A363    | 6A375    | 6A393    | 6A407    |
|                | 15"   | 6A309    | 6A321    | 6A353    | 6A365    | 6A377    | 6A395    | 6A409    |
|                | 18"   | 6A311    | 6A323    | 6A355    | 6A367    | 6A379    | 6A397    | 6A411    |
|                | 21"   | -        | -        | -        | -        | 6A381    | -        | -        |
| 15"            | 15"   | 6A313    | 6A331    | 6A357    | 6A369    | 6A383    | 6A401    | 6A413    |
|                | 18"   | 6A315    | 6A335    | 6A359    | 6A371    | 6A385    | 6A403    | 6A415    |
|                | 21"   | -        | -        | 6A361    | 6A373    | 6A389    | 6A405    | 6A417    |
| 18"            | 18"   | -        | -        | 6A419    | 6A445    | 6A423    | -        | -        |
|                | 21"   | -        | -        | 6A421    | 6A447    | 6A425    | -        | -        |

### Group Ends for Invincible II Lockers

|         |         | Perforated Single Row | Solid Single Row    |
|---------|---------|-----------------------|---------------------|
| Height  | Depth   | 1 - 6 Tier Cat. No.   | 1 - 6 Tier Cat. No. |
| 36-1/2" | 12"     | 603600V               | 603601S             |
|         | 15"     | 603602V               | 603603S             |
|         | 18"     | 603704V               | 603605S             |
| 48-1/2" | 12"     | 603606V               | 603607S             |
|         | 15"     | 603608V               | 603609S             |
|         | 18"     | 603700V               | 603701S             |
| 60"     | 12"     | 602100V               | 602101S             |
|         | 15"     | 602102V               | 602103S             |
|         | 18"     | 602104V               | 602105S             |
|         | 21"     | 602106V               | 602107S             |
| 72"     | 24"     | 602108V               | 602109S             |
|         | 12"     | 602110V               | 602111S             |
|         | 15"     | 602112V               | 602113S             |
|         | 18"     | 602114V               | 602115S             |
| 21"     | 602116V | 602117S               |                     |
|         | 24"     | 602118V               | 602119S             |

### Ordering Group Ends for Invincible II Lockers

You must order a Group End to finish each group of Invincible II lockers, regardless of length of each group or row. Specify Perforated or Solid.

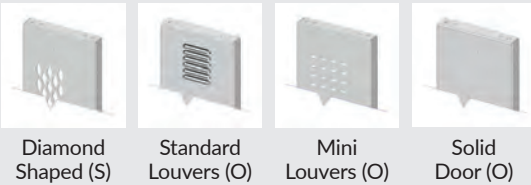


1 Basic Unit 1 Group End      3 Basic Units 1 Group End      5 Basic Units 1 Group End

## At a Glance

- 16 ga. body & 18 ga. back for durability
- 14 ga. door and Classic III pocket standard
- Optional Defiant II single point latching
- Ships fully assembled

## Ventilation Options

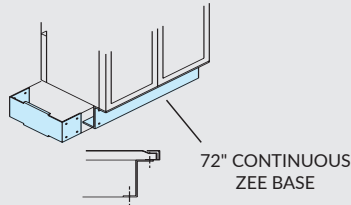


Diamond Shaped (S)    Standard Louvers (O)    Mini Louvers (O)    Solid Door (O)

## Base Options

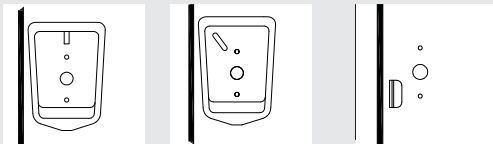


No Legs or Base (S)    Channel Base (O)

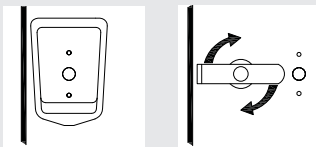


Zee Base (O) - **Must use added support in rear of locker and in between groupings**

## Door Handle Options



Classic III Recessed (S)    Defiant II Recessed (O)    Friction Catch (SB)



Defiant II Rotary Recessed (O)    Cremone Turn Handle (A) On most 1, 2 and 3 Welded Gen2 Tier models

S = Standard    O = Optional\*    A = Available\*  
 SB = Standard on Box Lockers    OB = Optional on Box Lockers\*

\*additional charges may apply

For Welded Gen2 specifications, see page 101.  
 For Defiant Doors, see page 104.



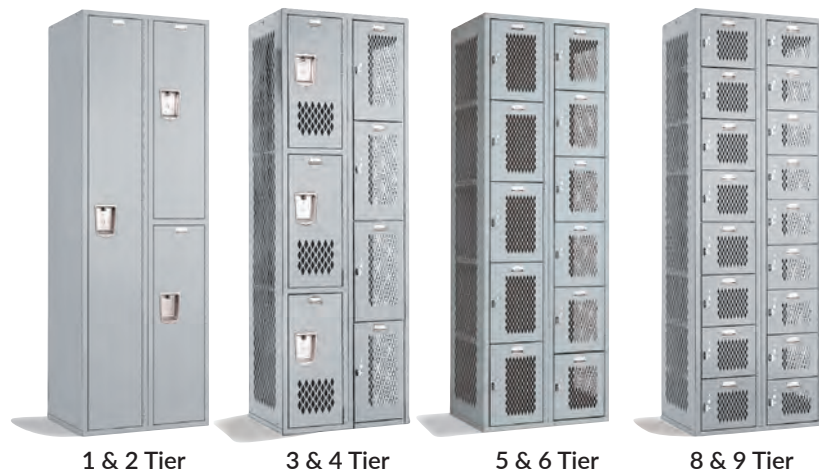
## The Welded Gen2 Alternative

Welded Gen2 lockers offer superior resistance to hard use and abuse. All body parts are welded into a single rigid unit to resist damage for the life of the product. The door frame and locker side are 16 gauge. The doors are made from 14 gauge steel and include a continuous hinge. Sides, tops, bottoms and shelves are 16 gauge steel. Backs are 18 gauge.

Since Welded Gen2 lockers are shipped pre-assembled, the time and expense of on-site installation is greatly reduced. This is a great help where labor is either extremely expensive, or hard to find. Groupings will be determined by Penco based upon the floor plan layout drawings submitted with the order. Maximum group width is usually 54" for lockers with a depth up to 18". For lockers over the depth of 18" the groups shall not exceed 48" in total width. If site conditions restrict maximum group width, please advise.

Welded Gen2 lockers are available as standard in ventilated models with diamond-shaped perforations in the doors and sides for maximum visibility and ventilation, or with solid door and side construction, with or without door louvers. The perforated models are ideal for heavy duty athletic use, where ventilation is important to aid the drying of athletic gear.

Standard construction is flat top without legs. Lockers can be ordered with 4" high, 6" high, or 16 gauge Channel Base as an option.



1 & 2 Tier    3 & 4 Tier    5 & 6 Tier    8 & 9 Tier

## Sizes and Dimensions

| Welded Gen2 1 Tier Lockers |            |                   |          |                  |          |
|----------------------------|------------|-------------------|----------|------------------|----------|
|                            |            | Standard Cat. No. |          | Defiant II Latch |          |
| Opening Height             |            | 60"               | 72"      | 60"              | 72"      |
| Unit Width                 | Unit Depth | Cat. No.          | Cat. No. | Cat. No.         | Cat. No. |
| 9"                         | 12"        | 6G101             | 6G107    | -                | -        |
|                            | 15"        | 6G103             | 6G109    | -                | -        |
|                            | 18"        | 6G105             | 6G111    | -                | -        |
| 12"                        | 12"        | 6G129             | 6G157    | 6GD129           | 6GD157   |
|                            | 15"        | 6G131             | 6G159    | 6GD131           | 6GD159   |
|                            | 18"        | 6G135             | 6G161    | 6GD135           | 6GD161   |
|                            | 21"        | 6G133             | 6G163    | -                | -        |
|                            | 24"        | 6G137             | 6G167    | -                | -        |
| 15"                        | 12"        | 6G141             | 6G165    | -                | 6GD128   |
|                            | 15"        | 6G143             | 6G169    | 6GD143           | 6GD169   |
|                            | 18"        | 6G145             | 6G171    | 6GD145           | 6GD171   |
|                            | 21"        | 6G147             | 6G173    | 6GD147           | 6GD173   |
|                            | 24"        | 6G112             | 6G172    | -                | 6GD172   |
| 18"                        | 12"        | 6G501             | 6G500    | 6GD501           | 6GD500   |
|                            | 15"        | 6G149             | 6G175    | 6GD149           | 6GD175   |
|                            | 18"        | 6G151             | 6G177    | 6GD151           | 6GD177   |
|                            | 21"        | 6G153             | 6G179    | 6GD153           | 6GD179   |
|                            | 24"        | 6G155             | 6G181    | 6GD155           | 6GD181   |
| 24"                        | 15"        | -                 | 6G182    | -                | -        |
|                            | 18"        | 6G117             | 6G123    | 6GD117           | 6GD123   |
|                            | 21"        | 6G119             | 6G125    | 6GD119           | 6GD125   |
|                            | 24"        | 6G121             | 6G127    | 6GD121           | 6GD127   |

| Welded Gen2 2 Tier Lockers |            |                   |          |                  |          |
|----------------------------|------------|-------------------|----------|------------------|----------|
|                            |            | Standard Cat. No. |          | Defiant II Latch |          |
| Overall Height             |            | 60"               | 72"      | 60"              | 72"      |
| Opening Height             |            | 30"               | 36"      | 30"              | 36"      |
| Unit Width                 | Unit Depth | Cat. No.          | Cat. No. | Cat. No.         | Cat. No. |
| 12"                        | 12"        | 6G213             | 6G245    | 6GD213           | 6GD245   |
|                            | 15"        | 6G215             | 6G247    | 6GD215           | 6GD247   |
|                            | 18"        | 6G217             | 6G249    | 6GD217           | 6GD249   |
|                            | 21"        | 6G206             | 6G251    | -                | 6GD251   |
| 15"                        | 24"        | 6G207             | 6G252    | -                | -        |
|                            | 12"        | 6G208             | 6G228    | 6GD208           | 6GD228   |
|                            | 15"        | 6G225             | 6G257    | 6GD225           | 6GD257   |
|                            | 18"        | 6G239             | 6G259    | 6GD239           | 6GD259   |
|                            | 21"        | 6G241             | 6G261    | 6GD241           | 6GD261   |
| 18"                        | 24"        | 6G212             | 6G253    | -                | 6GD253   |
|                            | 12"        | -                 | 6G508    | -                | -        |
|                            | 15"        | 6G223             | 6G263    | 6GD223           | 6GD263   |
|                            | 18"        | 6G227             | 6G265    | 6GD227           | 6GD265   |
|                            | 21"        | 6G229             | 6G267    | 6GD229           | 6GD267   |
| 24"                        | 24"        | 6G231             | 6G269    | 6GD231           | 6GD269   |
|                            | 18"        | 6G233             | 6G271    | 6GD233           | 6GD271   |
|                            | 21"        | 6G235             | 6G273    | 6GD235           | 6GD273   |
|                            | 24"        | 6G237             | 6G275    | 6GD237           | 6GD275   |

| Welded Gen2 3 Tier Lockers |            |               |          |                  |          |
|----------------------------|------------|---------------|----------|------------------|----------|
|                            |            | Std. Cat. No. |          | Defiant II Latch |          |
| Overall Height             |            | 60"           | 72"      | 60"              | 72"      |
| Opening Height             |            | 20"           | 24"      | 20"              | 24"      |
| Unit Width                 | Unit Depth | Cat. No.      | Cat. No. | Cat. No.         | Cat. No. |
| 12"                        | 12"        | 6G287         | 6G281    | 6GD287           | 6GD281   |
|                            | 15"        | 6G289         | 6G283    | 6GD289           | 6GD283   |
|                            | 18"        | 6G291         | 6G285    | 6GD291           | 6GD285   |
|                            | 21"        | 6G306         | 6G326    | -                | -        |
|                            | 24"        | 6G292         | 6G327    | -                | -        |
| 15"                        | 12"        | 6G308         | 6G328    | -                | -        |
|                            | 15"        | 6G293         | 6G301    | 6GD293           | 6GD301   |
|                            | 18"        | 6G295         | 6G303    | 6GD295           | 6GD303   |
|                            | 21"        | 6G297         | 6G305    | 6GD297           | 6GD305   |
| 18"                        | 24"        | 6G312         | 6G332    | -                | -        |
|                            | 12"        | -             | -        | -                | -        |
|                            | 15"        | -             | -        | -                | -        |
|                            | 18"        | 6G220         | 6G221    | -                | 6GD221   |
|                            | 21"        | 6G314         | 6G334    | -                | 6GD334   |
|                            | 24"        | 6G222         | 6G224    | -                | 6GD224   |

| Welded Gen2 4, 5, 6, 8 & 9 Tier Box Lockers |            |          |          |          |          |          |          |          |
|---|------------|----------|----------|----------|----------|----------|----------|----------|
|   |            | 4 Tier   |          | 5 Tier   |          | 6 Tier   | 8 Tier   | 9 Tier   |
| Overall Ht.                                 |            | 60"      | 72"      | 60"      | 72"      | 72"      | 72"      | 72"      |
| Opening Ht.                                 |            | 15"      | 18"      | 12"      | 14-2/5"  | 12"      | 9"       | 8"       |
| Unit Width                                  | Unit Depth | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |
| 12"   | 12"        | 6G307    | 6G319    | 6G351    | 6G363    | 6G375    | 6G393    | 6G407    |
|   | 15"        | 6G309    | 6G321    | 6G353    | 6G365    | 6G377    | 6G395    | 6G409    |
|   | 18"        | 6G311    | 6G323    | 6G355    | 6G367    | 6G379    | 6G397    | 6G411    |
|   | 21"        | 6G406    | 6G426    | 6G531    | 6G526    | 6G381    | -        | -        |
|   | 24"        | 6G316    | 6G427    | 6G532    | 6G527    | 6G627    | -        | -        |
| 15"   | 12"        | 6G408    | 6G428    | 6G356    | 6G528    | 6G628    | 6G828    | 6G928    |
|   | 15"        | 6G313    | 6G331    | 6G357    | 6G369    | 6G383    | 6G401    | 6G413    |
|   | 18"        | 6G315    | 6G335    | 6G359    | 6G371    | 6G385    | 6G403    | 6G415    |
|   | 21"        | 6G317    | 6G431    | 6G361    | 6G373    | 6G389    | -        | 6G417    |
| 18"   | 24"        | 6G412    | 6G432    | 6G534    | 6G374    | 6G541    | -        | -        |
|   | 18"        | -        | -        | 6G419    | 6G445    | 6G423    | -        | -        |
|   | 21"        | -        | -        | 6G421    | 6G447    | 6G425    | -        | -        |

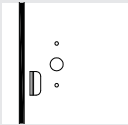
## At a Glance

- Knocked Down or Welded construction
- Open Fronts and smooth Frame Channels
- 2 lockable compartment options
- 18 or 24-inch widths available
- 18, 21 and 24-inch depths available

## Ventilation

Diamond Perforated Sides (Solid Sides Optional)

## Door Handle Option



On models equipped with a Security Box

Friction Catch (O)

## Accessories



Locking Security Box (O)



Footlocker (O)

O = Optional\* \*additional charges may apply

For Stadium specifications, see pages 105-106.

## The Right Locker for Athletes and Their Equipment

Penco's Stadium lockers are ideally suited for athletic team rooms, firefighter's equipment or any other application where easy access to uniforms and/or equipment is required.

All Stadium lockers have a Full Width Shelf and a Coat Rod with Hooks. A lockable Security Box and Footlocker are optional. The open Front and optional Diamond Perforated Sides offer full ventilation. All are 1 Tier and 1 wide.

The front of the optional Footlocker is recessed for an external padlock. The Footlocker design saves floor space by eliminating the clutter of open locker doors and the need for separate locker room benches.

Stadium lockers are available in Knocked Down or Welded construction in any of Penco's 24 brilliant colors.



## Ordering Matrix

### Knocked Down \*Order welded for factory assembled Stadium locker.

| Patriot <b>STADIUM - KD</b> Locker Part Number Identification Matrix |        |         |         |          |   |                |                     |                |                   |  |
|--|--------|---------|---------|----------|---|----------------|---------------------|----------------|-------------------|--|
| S  | K      | #       | #       | #        | *   | *              | N                   | *              | *                 |  |
| Product  | Type   | Width   | Depth   | Height   | LH Side Vent  | RH Side Vent   | Channel Base        | Security Box   | Footlocker        |  |
| Product  | Type   | # Width | # Depth | # Height | * LH Side Vent  | * RH Side Vent | * Channel Base      | * Sec Box      | * Footlocker      |  |
| S = Stadium  | K = KD | 18      | 18      | 72       | D = Diamond   | D = Diamond    | N = No channel base | B = Sec Box    | F = Footlocker    |  |
|  |        | 24      | 18      | 72       |   |                |                     |                |                   |  |
|  |        | 24      | 21      | 72       | S = Solid   | S = Solid      |                     | N = No Sec Box | N = No Footlocker |  |
|  |        | 24      | 24      | 72       |   |                |                     |                |                   |  |
| Part Number Examples:  |        |         |         |          |   |                |                     |                |                   |  |
| <b>SK242472SSBN</b>  |        |         |         |          | Stadium - KD - 24" wide x 24" deep x 72" high - Solid LH Side - Solid RH Side - Security Box - No footlocker  |                |                     |                |                   |  |
| <b>SK241872DDBF</b>  |        |         |         |          | Stadium - KD - 24" wide x 24" deep x 72" high - Diamond LH Side - Diamond RH Side - Security Box - Footlocker |                |                     |                |                   |  |

| Locker Shell Ordering Guide |  |
|-----------------------------|--|
| 1                           | Gear, Duty, TA50 and RRDL are ALL WITH Doors   |
| 2                           | Stadium and Turnout are ALL WITHOUT Door   |
| 3                           | ALL Stadium locker part numbers are based on a specific configuration and are not able to be changed, order Turnout if a different configuration is needed |
| 4                           | ALL Stadium lockers are 1 Tier   |
| 5                           | ALL Stadium lockers are 1 Wide   |
| 6                           | Both KD and Welded Stadium lockers are available with channel base, order channel base separately for KD   |

## Welded

| Patriot <b>STADIUM - Welded</b> Locker Part Number Identification Matrix |            |         |         |          |  |                |                     |                |                   |  |
|--|------------|---------|---------|----------|--|----------------|---------------------|----------------|-------------------|--|
| S  | W          | #       | #       | #        | *  | *              | N                   | *              | *                 |  |
| Product  | Type       | Width   | Depth   | Height   | LH Side Vent   | RH Side Vent   | Channel Base        | Security Box   | Footlocker        |  |
| Product  | Type       | # Width | # Depth | # Height | * LH Side Vent   | * RH Side Vent | * Channel Base      | * Sec Box      | * Footlocker      |  |
| S = Stadium  | W = Welded | 18      | 18      | 72       | D = Diamond  | D = Diamond    | 4 = 4 inch high     | B = Sec Box    | F = Footlocker    |  |
|  |            | 24      | 18      | 72       |  |                | 6 = 6 inch high     |                |                   |  |
|  |            | 24      | 21      | 72       | S = Solid  | S = Solid      | N = No channel base | N = No Sec Box | N = No Footlocker |  |
|  |            | 24      | 24      | 72       |  |                |                     |                |                   |  |
| Part Number Examples:  |            |         |         |          |  |                |                     |                |                   |  |
| <b>SW242472SSNBN</b>   |            |         |         |          | Stadium - Welded - 24" wide x 24" deep x 72" high - Solid LH Side - Solid RH Side - No channel base - Security Box - No footlocker           |                |                     |                |                   |  |
| <b>SW242172DD4BF</b>   |            |         |         |          | Stadium - Welded - 24" wide x 21" deep x 72" high - Diamond LH Side - Diamond RH Side - 4 inch high channel base - Security Box - Footlocker |                |                     |                |                   |  |





## Fully Framed TA-50 Locker

Penco's TA-50 locker is government and military inspired. Available in Knocked Down or Welded construction, this heavy-duty locker is designed to offer a superior level of security and durability while providing efficient storage for bulky military-grade gear.



- Tubular boxed frame provides rigid construction
- 14 gauge doors with continuous hinge provide full access and secure storage
- Flattened Expanded Metal sides of this tactical TA-50 locker allows for maximum ventilation

- 78" overall locker height
- 36", 42", and 48" widths available
- 4" or 6" high Channel Base available

## Fully Framed TA-50 Locker

- True Fully Framed construction offers better rigidity
- 36, 42, and 48-inch widths available
- All are 24" deep and 78" high
- Ultra Cremone Recessed Handle for a safer, cleaner look and less freight damage
- Double Doors available in solid, diamonds, or louvers
- Knocked Down or Welded construction
- 4 or 6-inch high Channel Base optional
- All TA-50 lockers are 1 tier
- All TA-50 lockers are 1 wide
- Solid or Flattened Expanded Metal sides available
- 16-gauge continuous hinge



For TA-50 specifications, see pages 107-108.



# PATRIOT® TA-50 Identification Matrix

## Knocked Down and Welded

\*Order welded for factory assembled TA-50 locker.

| Locker Shell Ordering Guide |  |
|-----------------------------|--|
| 1                           | Gear, Duty, TA50 and RRDL are ALL WITH Doors   |
| 2                           | Stadium and Turnout are ALL WITHOUT Doors  |
| 3                           | ALL TA50 lockers are 1 Tier  |
| 4                           | ALL TA50 lockers are 1 Wide  |
| 5                           | Both KD and Welded TA50 lockers are available with channel base, order channel base separately for KD        |
| 6                           | TA50 lockers are based on a specific configuration, all TA50 lockers come with Hat Shelf, Coat Rod and Hooks |

### Patriot TA50 - KD Locker Part Number Identification Matrix

| M       | K    | #     | #     | #      | *            | *            | N            | D         | C           | *         |
|---------|------|-------|-------|--------|--------------|--------------|--------------|-----------|-------------|-----------|
| Product | Type | Width | Depth | Height | LH Side Vent | RH Side Vent | Channel Base | Door type | Handle Type | Door Vent |



| Product           | Type   | # Width | # Depth | # Height | * LH Side Vent | * RH Side Vent | * Channel Base      | * Door Type | * Handle Type                     | * Door Vent |
|-------------------|--------|---------|---------|----------|----------------|----------------|---------------------|-------------|-----------------------------------|-------------|
| M = TA50 Military | K = KD | 36      | 24      | 78       | E = Expanded   | E = Expanded   | N = No channel base | D - Double  | C = Ultra Cremone Recessed Handle | D = Diamond |
|                   |        | 42      |         |          | S = Solid      | S = Solid      |                     |             |                                   | S = Solid   |
|                   |        | 48      |         |          |                |                |                     |             |                                   | L = Louvers |

#### Part Number Examples:

|                      |   |
|----------------------|---|
| <b>MK362478EEDCD</b> | (M) TA50 - KD - 36" wide x 24" deep x 78" high - Expanded LH Side - Expanded RH Side - Double Door - Ultra Cremone Recessed Handle - Diamond Door |
| <b>MK422478SSDCL</b> | (M) TA50 - KD - 42" wide x 24" deep x 78" high - Solid LH Side - Solid RH Side - Double Door - Ultra Cremone Recessed Handle - Louvers Door       |

### Patriot TA50 - Welded Locker Part Number Identification Matrix

| M       | W    | #     | #     | #      | *            | *            | N            | D         | C           | *         |
|---------|------|-------|-------|--------|--------------|--------------|--------------|-----------|-------------|-----------|
| Product | Type | Width | Depth | Height | LH Side Vent | RH Side Vent | Channel Base | Door type | Handle Type | Door Vent |



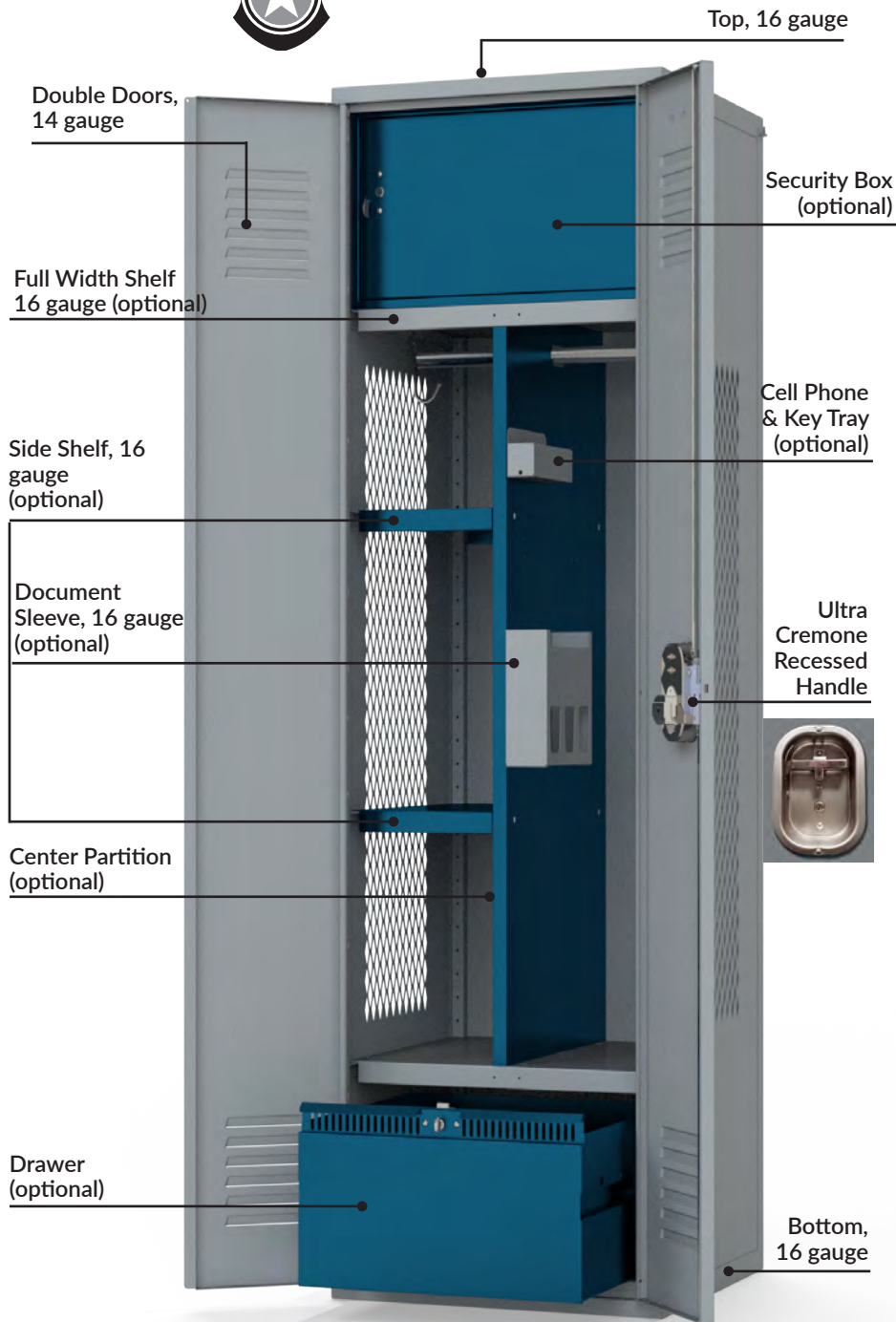
| Product           | Type       | # Width | # Depth | # Height | * LH Side Vent | * RH Side Vent | * Channel Base      | * Door Type | * Handle Type                     | * Door Vent |
|-------------------|------------|---------|---------|----------|----------------|----------------|---------------------|-------------|-----------------------------------|-------------|
| M = TA50 Military | W = Welded | 36      | 24      | 78       | E = Expanded   | E = Expanded   | 4 = 4 inch high     | D - Double  | C = Ultra Cremone Recessed Handle | D = Diamond |
|                   |            | 42      |         |          | S = Solid      | S = Solid      | 6 = 6 inch high     |             |                                   | S = Solid   |
|                   |            | 48      |         |          |                |                | N = No channel base |             |                                   | L = Louvers |

#### Part Number Examples:

|                      |   |
|----------------------|---|
| <b>MW422478EEDCD</b> | (M) TA50 - Welded - 42" wide x 24" deep x 78" high - Expanded LH Side - Expanded RH Side - Double Door - Ultra Cremone Recessed Handle - Diamond Door |
| <b>MW482478SSDCL</b> | (M) TA50 - Welded - 48" wide x 24" deep x 78" high - Solid LH Side - Solid RH Side - Double Door - Ultra Cremone Recessed Handle - Louvers Door       |

## Fully Framed Gear Locker

A properly equipped, double-door Patriot Gear locker can be the ideal solution for a variety of specialized storage challenges. The ample storage areas at both top and bottom of the 24 - 48 inch-wide and 72-inch high locker leaves nearly four feet between the shelves for hanging uniforms and other gear.



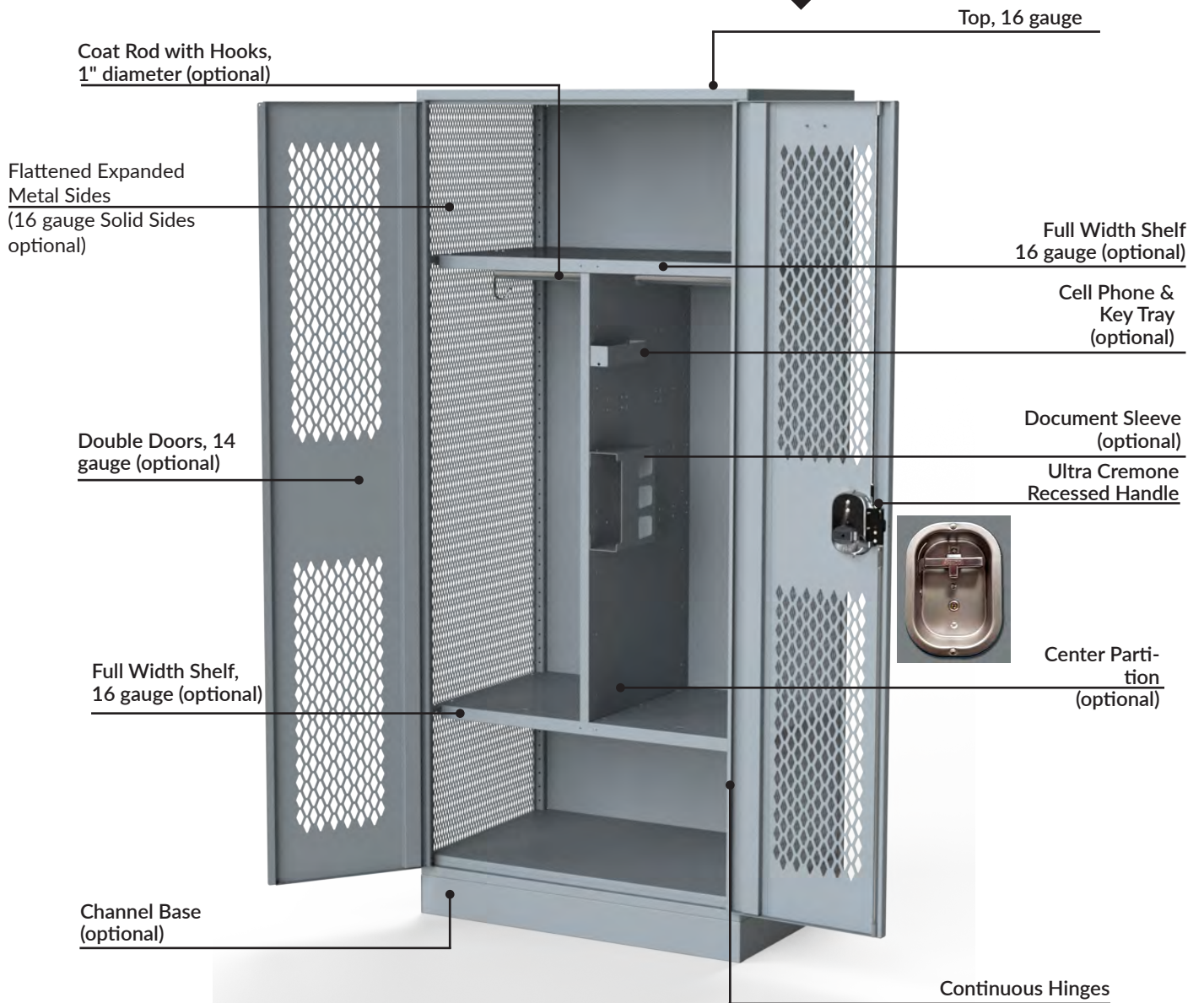
### Distinguishing Features:

- True Fully Framed construction offers better rigidity
- Offered in Knocked Down or Welded construction
- 4 or 6-inch high Channel Base available
- 72 or 78-inch heights available
- 18-inch depth available with 18 or 24-inch widths
- 24-inch depth available with 18, 24, 30, 36, 42, or 48-inch widths
- Ultra Cremone Recessed Handle for a safer, cleaner look and less freight damage
- High degree of configurability



Patriot Gear locker is shown above in two-tone colors. Contact a Penco Representative for more details.

## Fully Framed Gear Locker



For Gear specifications, see pages 109-112.

| Gear Locker Easy-Order Pre-Configurations   |        |       |   |   |         |
|---|--------|-------|---|---|---------|
| (Based on popular preferences. For custom configurations, see ordering matrix on pages 10 & 11) |        |       |   |   |         |
| Part Number   | Type   | Width | Features  | Accessories                                     | Drawing |
| 6GK36247201   | KD     | 36    | Solid Sides, No Channel Base, Double Doors with Louvers, Ultra Cremone Recessed Handle, 24" deep, 72" high                    | Shelf, 2 Coat Rods, Hooks, Partition, 2 Drawers |         |
| 6GK48247201   |        | 48    |   |   |         |
| 6GW36247201   | Welded | 36    |   |   |         |
| 6GW48247201   |        | 48    |   |   |         |
| 6GK36247202   | KD     | 36    | Solid Sides, No Channel Base, Double Doors with Louvers, Ultra Cremone Recessed Handle, 24" deep, 72" high                    | Shelf, 1 Coat Rods, Hooks, 2 Drawers            |         |
| 6GK48247202   |        | 48    |   |   |         |
| 6GW36247202   | Welded | 36    |   |   |         |
| 6GW48247202   |        | 48    |   |   |         |
| 6GK24247205   | KD     | 24    | Flattened Expanded Metal Sides, No Channel Base, Double Doors with Louvers, Ultra Cremone Recessed Handle, 24" deep, 72" high | Shelf, Coat Rod, Hooks, Security Box            |         |
| 6GK48247205   |        | 48    |   |   |         |
| 6GW24247205   | Welded | 24    |   |   |         |
| 6GW48247205   |        | 48    |   |   |         |
| 6GK36247206   | KD     | 36    | Diamond Sides, No Channel Base, Double Doors with Louvers, Ultra Cremone Recessed Handle, 24" deep, 72" high                  | Shelf, Coat Rod, Hooks, Two Security Boxes      |         |
| 6GK48247206   | KD     | 48    |   |   |         |
| 6GW36247206   | Welded | 36    |   |   |         |
| 6GW48247206   | Welded | 48    |   |   |         |
| 6GK24247207   | KD     | 24    | Flattened Expanded Metal Sides, No Channel Base, Double Doors with Louvers, Ultra Cremone Recessed Handle, 24" deep, 72" high | Shelf, Coat Rod, Hooks, 3 Half Shelves          |         |
| 6GK36247207   | KD     | 36    |   |   |         |
| 6GW24247207   | Welded | 24    |   |   |         |
| 6GW36247207   | Welded | 36    |   |   |         |
| 6GK24247208   | KD     | 24    | Flattened Expanded Metal Sides, No Channel Base, Double Doors with Louvers, Ultra Cremone Recessed Handle, 24" deep, 72" high | Shelf, Coat Rod, Hooks                          |         |
| 6GK36247208   | KD     | 36    |   |   |         |
| 6GW24247208   | Welded | 24    |   |   |         |
| 6GW36247208   | Welded | 36    |   |   |         |

## Knocked Down



| Locker Shell Ordering Guide |   |
|-----------------------------|---|
| 1                           | Gear, Duty, TA50 and RRDL are ALL WITH Doors  |
| 2                           | Stadium and Turnout are ALL WITHOUT Doors   |
| 3                           | Lockers over 24 inches wide are only available in 24 inches in depth  |
| 4                           | ALL Gear lockers come with ONLY the Ultra Cremone Recessed Handle. No other handle is available at this time.   |
| 5                           | ALL 18" wide Gear lockers are Single Door ONLY. All 24" wide Gear lockers are available in both Single Door and Double Door. All Gear lockers over 24" wide are Double Door ONLY. |
| 6                           | Diamond Sides are NOT available for 78" high lockers  |
| 7                           | ALL Gear lockers are 1 Tier   |
| 8                           | ALL Gear lockers are 1 Wide   |
| 9                           | Both KD and Welded Gear lockers are available with channel base   |
| 10                          | Gear lockers are totally configurable, for that reason, hat shelf and coat rods need to be order separately   |

\*Order welded for factory assembled Gear locker.

| Patriot GEAR - KD Locker Part Number Identification Matrix |        |           |           |            |                               |                               |                     |             |                                   |             |    |    |           |              |              |             |    |    |           |           |            |             |
|--|--------|-----------|-----------|------------|-------------------------------|-------------------------------|---------------------|-------------|-----------------------------------|-------------|----|----|-----------|--------------|--------------|-------------|----|----|-----------|-----------|------------|-------------|
| G  | K      | #         | #         | #          | *                             | *                             | N                   | *           | *                                 | *           | *  |    |           |              |              |             |    |    |           |           |            |             |
| Product  | Type   | Width     | Depth     | Height     | LH Side Vent                  | RH Side Vent                  | Channel Base        | Door type   | Handle Type                       | Door Vent   |    |    |           |              |              |             |    |    |           |           |            |             |
| Product  | Type   | # Width   | # Depth   | # Height   | * LH Side Vent                | * RH Side Vent                | * Channel Base      | * Door Type | * Handle Type                     | * Door Vent |    |    |           |              |              |             |    |    |           |           |            |             |
| G = Gear   | K = KD | 18        | 18        | 72 and 78  | D = Diamond<br>(see #6 above) | D = Diamond<br>(see #6 above) | N = No channel base | S = Single  | C = Ultra Cremone Recessed Handle | D = Diamond |    |    |           |              |              |             |    |    |           |           |            |             |
|  |        |           |           |            |                               |                               |                     |             |                                   |             |    | 24 | 18        | E = Expanded | E = Expanded | S = Solid   |    |    |           |           |            |             |
|  |        | 24        | 24        |            | S = Solid                     | S = Solid                     |                     | D = Double  |                                   | L = Louvers |    |    |           |              |              |             |    |    |           |           |            |             |
|  |        |           |           |            |                               |                               |                     |             |                                   |             | 30 | 24 | S = Solid | S = Solid    | D = Double   | L = Louvers |    |    |           |           |            |             |
|  |        |           |           |            |                               |                               |                     |             |                                   |             |    |    |           |              |              |             | 36 | 24 | S = Solid | S = Solid | D = Double | L = Louvers |
|  |        |           |           |            |                               |                               |                     |             |                                   |             |    |    |           |              |              |             |    |    |           |           |            |             |
| 48   | 24     | S = Solid | S = Solid | D = Double | L = Louvers                   |                               |                     |             |                                   |             |    |    |           |              |              |             |    |    |           |           |            |             |

**Part Number Examples:**

**GK362472DSDCL**

Gear - KD - 36" wide x 24" deep x 72" high - Diamond LH Side - Solid RH Side - Double door - Ultra Cremone Recessed Handle - Louver Door

## Welded



| Locker Shell Ordering Guide |  |
|-----------------------------|--|
| 1                           | Gear, Duty, TA50 and RRDL are ALL WITH Doors   |
| 2                           | Stadium and Turnout are ALL WITHOUT Door   |
| 3                           | Lockers over 24 inches wide are only available in 24 inches in depth   |
| 4                           | ALL Gear lockers come with ONLY the Ultra Cremone Recessed Handle. N other handle is available at this time.   |
| 5                           | ALL 18" wide Gear lockers are Single Door ONLY. All 24" wide Gear lockers are available in both Single Door and Double Door. All Gear lockers over 24" wide are Doble Door ONLY. |
| 6                           | Diamond Sides are NOT available for 78" high lockers   |
| 7                           | ALL Gear lockers are 1 Tier  |
| 8                           | ALL Gear lockers are 1 Wide  |
| 9                           | Both KD and Welded Gear lockers are available with Channel Base  |
| 10                          | Gear lockers are totally configurable, for that reason, hat shelf and coat rods need to be order separately  |

| Patriot <b>GEAR - Welded</b> Locker Part Number Identification Matrix |            |         |           |           |  |                               |                 |             |  |             |   |              |
|---|------------|---------|-----------|-----------|--|-------------------------------|-----------------|-------------|--|-------------|---|--------------|
| G   | W          | #       | #         | #         | *  | *                             | N               | *           | *  | *           | * |              |
| Product   | Type       | Width   | Depth     | Height    | LH Side Vent   | RH Side Vent                  | Channel Base    | Door type   | Handle Type                                | Door Vent   |   |              |
| Product   | Type       | # Width | # Depth   | # Height  | * LH Side Vent   | * RH Side Vent                | * Channel Base  | * Door Type | * Handle Type                              | * Door Vent |   |              |
| G = Gear  | W = Welded | 18      | 24        | 18        | D = Diamond<br>(see #6 above)  | D = Diamond<br>(see #6 above) | 4 = 4 inch high | S = Single  | C = Ultra<br>Cremone<br>Recessed<br>Handle | D = Diamond |   |              |
|   |            |         |           | 24        |  |                               |                 |             |  |             |   | E = Expanded |
|   |            | 24      | 72 and 78 | S = Solid | S = Solid  | N = No channel<br>base        | D - Double      | L = Louvers |  |             |   |              |
|   |            |         |           |           |  |                               |                 |             |  |             |   |              |
|   |            |         |           |           |  |                               |                 |             |  |             |   |              |
|   |            |         |           |           |  |                               |                 |             |  |             |   |              |
| <b>Part Number Examples:</b>  |            |         |           |           |  |                               |                 |             |  |             |   |              |
| <b>GW362472DS4DCL</b>   |            |         |           |           | Gear - Welded - 36" wide x 24" deep x 72" high - Diamond LH Side - Solid RH Side - 4" Channel Base - Double Door - Ultra Cremone Recessed Handle - Louver Door |                               |                 |             |  |             |   |              |



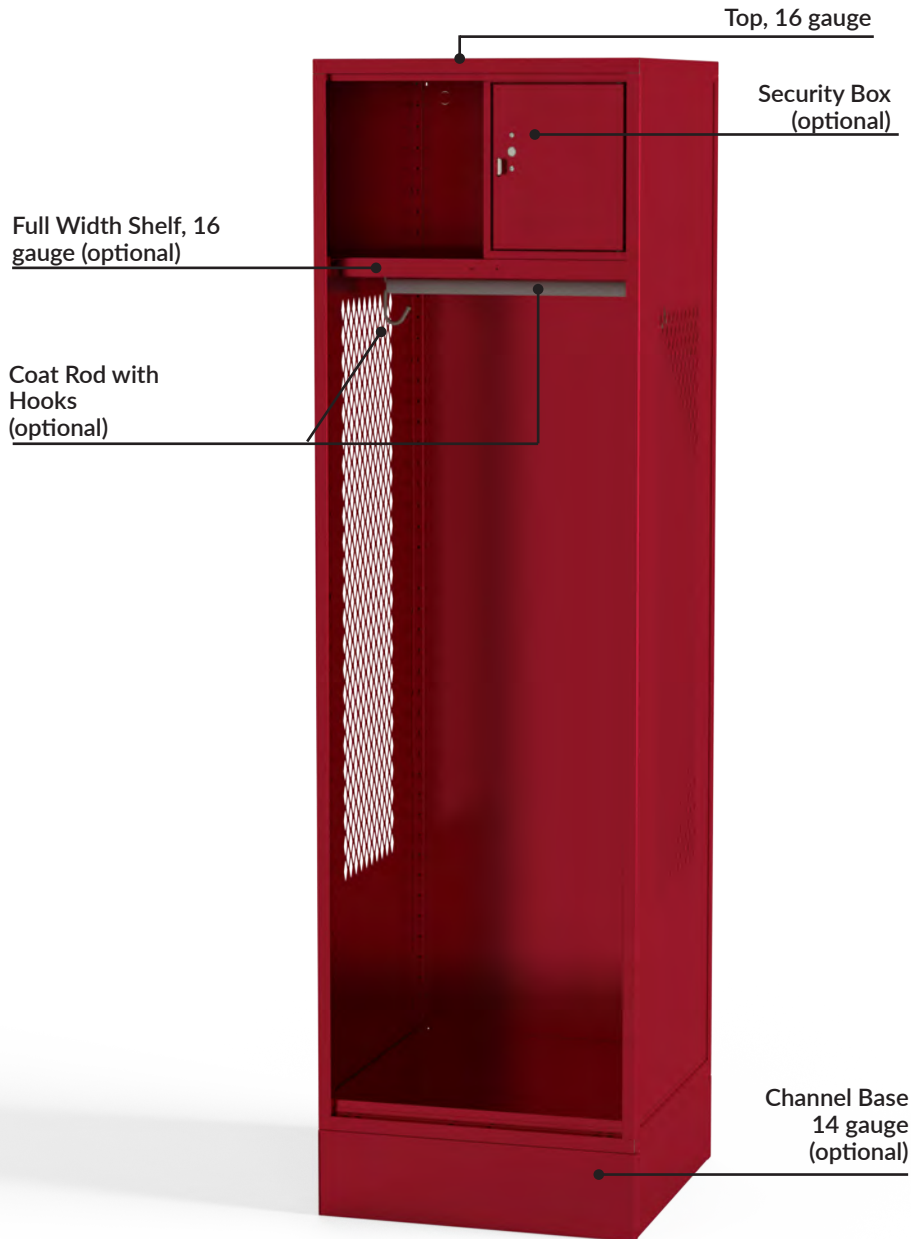
## Fully Framed Turnout Locker



Turnout lockers give you the advantage of instant access to mission gear, and Patriot accessories like drawers, security boxes or footlockers give you secure storage for items that are best kept under lock and key.

Whether the Patriot you specify has doors or not, the same flexibility is built into each one. Gear and Turnout accessories are designed for use in either type locker.

Balance the advantage of an open front locker with secure storage by adding a Security Box, Drawers or a Footlocker.



For Turnout **specifications**, see pages 113-114.

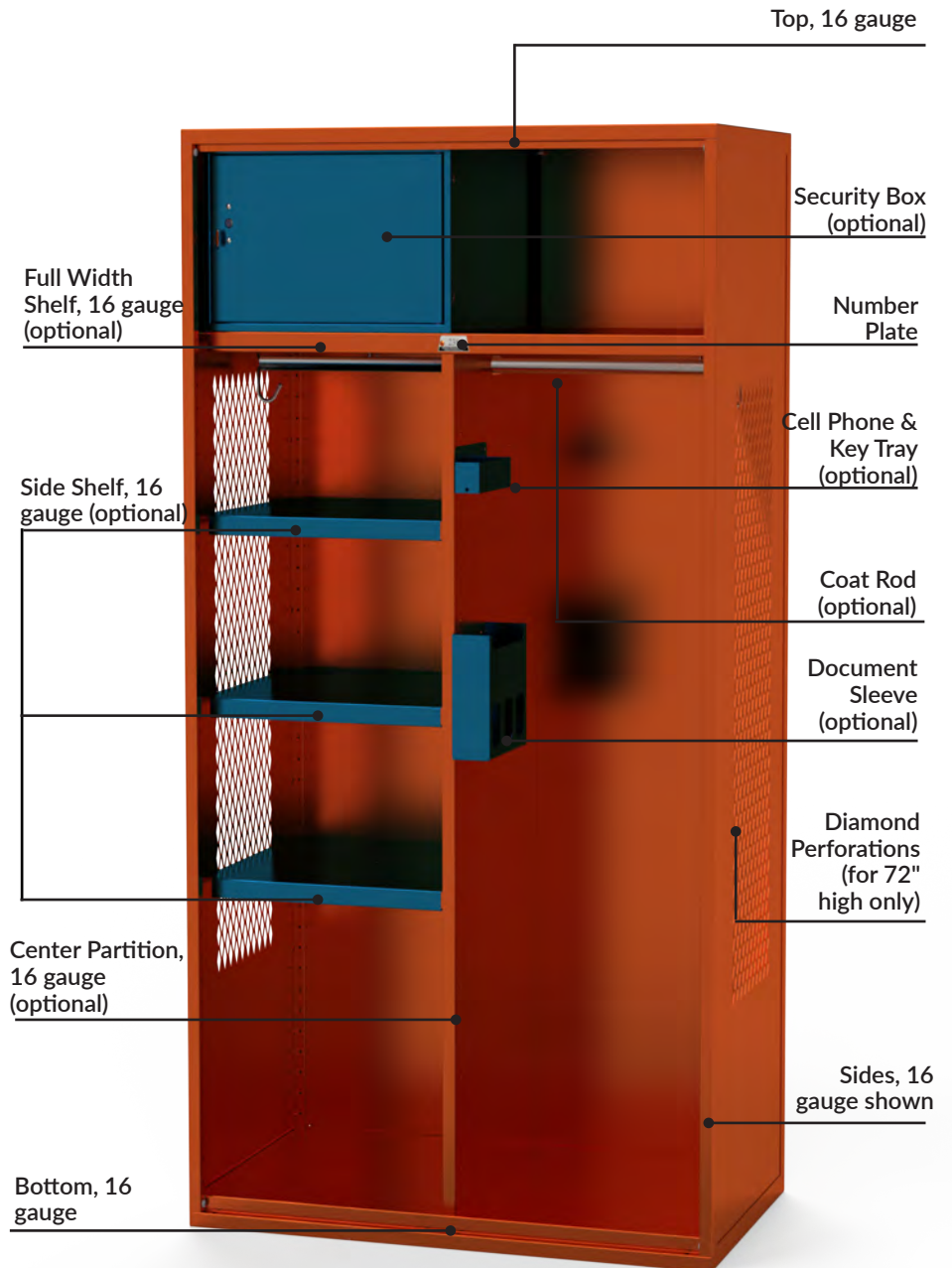
## Fully Framed Turnout Locker

The key to any turnout locker is the ability to grab and go. The Patriot Turnout Locker puts everything from flight gear to EMS equipment within reach. The Patriot Turnout Locker shares the same heavy-gauge steel construction as Gear lockers but have an open front and smooth frame, allowing users to retrieve equipment in a flash.



### Distinguishing Features:

- True fully framed construction offers better rigidity
- Offered in Knocked Down or Welded construction
- 4 or 6-inch high Channel Base available
- Open front and hemmed frame
- 24-inch deep available in 18, 24, 30, 36, 42, or 48-inch widths
- 18-inch deep locker available in 18 or 24-inch widths
- Available in 72 or 78-inch heights
- Number plates mount to the shelf face for easy visibility



Penco Turnout locker is shown above in two-tone using standard colors. For more information about two-tone lockers, contact your Penco Representative.

## Fully Framed Turnout Identification Matrix

| Locker Shell Ordering Guide |  |
|-----------------------------|--|
| 1                           | Gear, Duty, TA50 and RRDL are ALL WITH Doors                         |
| 2                           | Stadium and Turnout are ALL WITHOUT Door                             |
| 3                           | Lockers over 24 inches wide are only available in 24 inches in depth |
| 4                           | If ordering 78" high lockers - Diamond Sides are NOT available       |

|   |  |
|---|--|
| 5 | ALL Turnout lockers are 1 Tier   |
| 6 | ALL Turnout lockers are 1 Wide   |
| 7 | Both KD and Welded Turnout lockers are available with Channel Base   |
| 8 | Turnout lockers are totally configurable, for that reason, hat shelf and coat rods need to be order separately |

### Patriot **TURNOUT - KD** Locker Part Number Identification Matrix

| T       | K    | #     | #     | #      | *            | *            | N            |
|---------|------|-------|-------|--------|--------------|--------------|--------------|
| Product | Type | Width | Depth | Height | LH Side Vent | RH Side Vent | Channel Base |

\*Order Welded for factory assembled Turnout locker.

| Product     | Type      | # Width   | # Depth | # Height  | * LH Side Vent                 | * RH Side Vent                 | * Channel Base      |
|-------------|-----------|-----------|---------|-----------|--------------------------------|--------------------------------|---------------------|
| T = Turnout | K = KD    | 18        | 18      | 72 and 78 | D = Diamond<br>(see # 4 above) | D = Diamond<br>(see # 4 above) | N = No channel base |
|             |           |           | 24      |           |                                |                                |                     |
|             |           | 24        | 18      |           | E = Expanded                   | E = Expanded                   |                     |
|             |           |           | 30      |           |                                |                                |                     |
|             |           |           | 36      |           |                                |                                |                     |
|             |           |           | 42      |           |                                |                                |                     |
| 48          | S = Solid | S = Solid |         |           |                                |                                |                     |

#### Part Number Examples:

|                   |  |
|-------------------|--|
| <b>TK181872DS</b> | Turnout - KD - 18" wide x 18" deep x 72" high - Diamond LH Side - Solid RH Side  |
| <b>TK482472ES</b> | Turnout - KD - 48" wide x 24" deep x 72" high - Expanded LH Side - Solid RH Side |



### Patriot **TURNOUT - Welded** Locker Part Number Identification Matrix

| T       | W    | #     | #     | #      | *            | *            | *            | Locker rules: 1) Gear, Duty, TA50, & RRDL are ALL WITH doors. 2) Stadium & Turnout are ALL WITHOUT doors. 3) Lockers over 24" wide are only available in 24" depth. 4) Diamond sides are NOT available for 78" high lockers. 5) All Turnout lockers are 1 tier and 1 wide. 6) Both KD and Welded Turnout lockers are available with channel base. Order channel base separately for KD. 7) Because Turnout lockers are totally configurable, hat shelf and coat rods need to be ordered separately. |
|---------|------|-------|-------|--------|--------------|--------------|--------------|---|
| Product | Type | Width | Depth | Height | LH Side Vent | RH Side Vent | Channel Base |   |

| Product     | Type       | # Width | # Depth | # Height  | * LH Side Vent                | * RH Side Vent                | * Channel Base      |
|-------------|------------|---------|---------|-----------|-------------------------------|-------------------------------|---------------------|
| T = Turnout | W = Welded | 18      | 18      | 72 and 78 | D = Diamond<br>(see #4 above) | D = Diamond<br>(see #4 above) | 4 = 4 inch high     |
|             |            |         | 24      |           |                               |                               | E = Expanded        |
|             |            | 24      | 18      |           | S = Solid                     | S = Solid                     | N = No channel base |
|             |            |         | 30      |           |                               |                               |                     |
|             |            |         | 36      |           |                               |                               |                     |
|             |            |         | 42      |           |                               |                               |                     |
| 48          |            |         |         |           |                               |                               |                     |



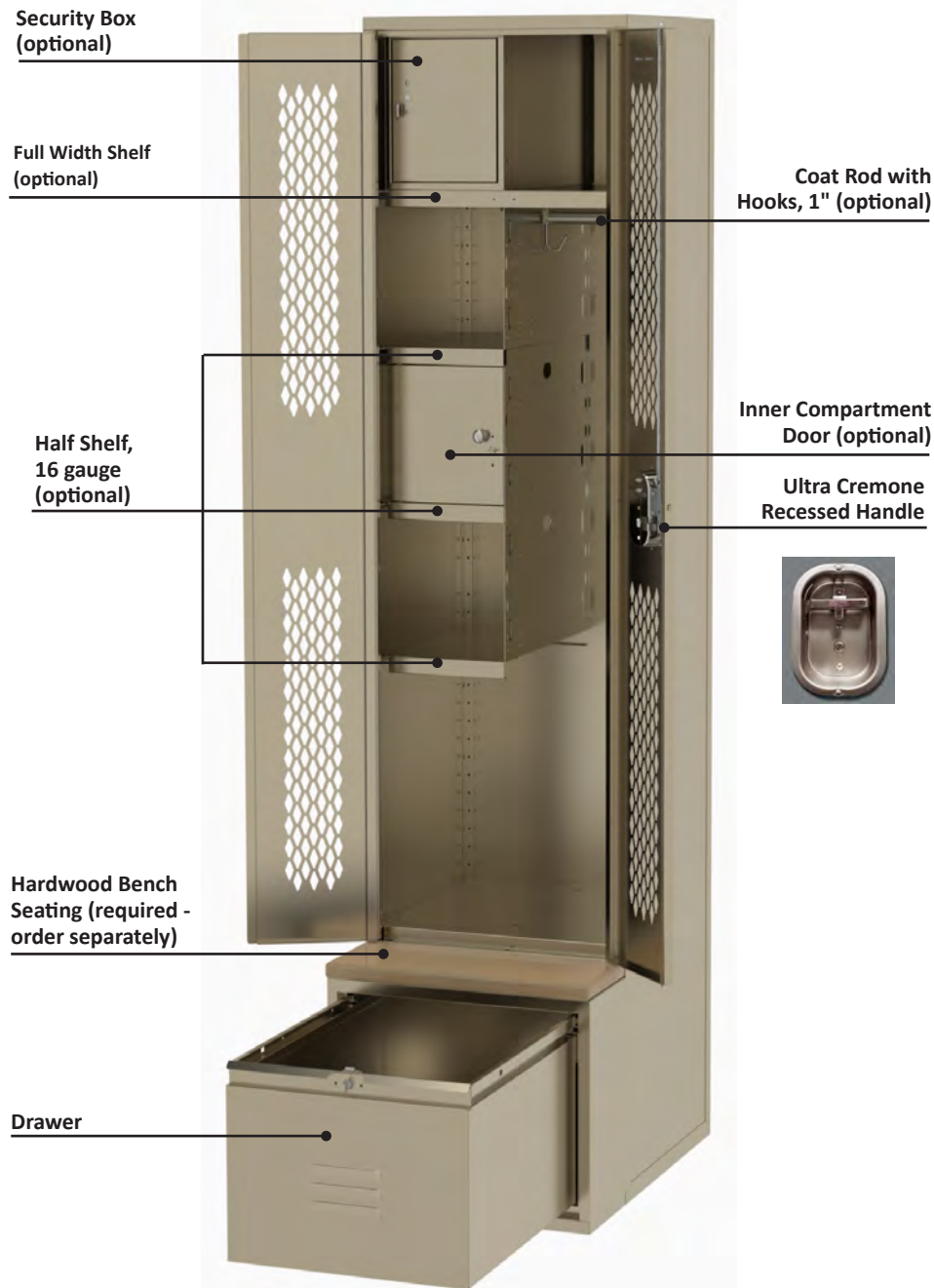
## Fully Framed Duty Locker

With the special needs of law enforcement in mind, the Patriot Duty Locker has a 16 gauge welded shell, 16-gauge drawer, and provides 3.4 cubic feet of usable storage in the drawer base. The 33 or 36-inch deep base optionally accepts individual or continuous lengths of Hardwood Bench Seating.

### Distinguishing Features:

- Offered in Knocked Down or Welded construction
- Optional 16 gauge Interior Divider and Side Shelf
- 78 or 90-inch Heights available
- 18 or 24-inch widths available
- Optional Coat Rod and Hooks on garment side
- Optional lockable Security Box
- Back punched for electrical wiring
- Standard Drawer Base for all Duty lockers
- Ultra Cremone Recessed Handle

When timing is crucial, Duty lockers answer the call of law enforcement and security professionals. The customizable features of Duty lockers help users find critical items quickly.



For Duty specifications, see pages 115-118.

Order welded for factory assembled models.

## Duty Locker: Easy-Order Configurations

| Duty Locker Easy-Order Pre-Configurations  |      |   |  |         |
|--|------|---|--|---------|
| (Based on popular preferences. For custom configurations, see ordering matrix on pages 17) |      |   |  |         |
| Part Number  | Type | Features  | Accessories  | Drawing |
| 6DK24249009  | KD   | 24" wide, 24" Deep, 90" high. Solid Sides, no Channel Base, Double Doors, Ultra Cremone Recessed Handles, and Louvers | Top Shelf, Coat Rod, Hooks, 4 Half Shelves, 9 inch Extended Front      |         |
| 6DW24249009  | W    |   | Top Shelf, Coat Rod, Hooks, 4 Half Shelves, 9 inch Extended Front      |         |
| 6DK24249010  | KD   | 24" wide, 24" Deep, 90" high. Solid Sides, no Channel Base, Double Doors, Ultra Cremone Recessed Handles, and Louvers | Top Shelf, Coat Rod, Hooks, 9 inch Extended Front                      |         |
| 6DW24249010  | W    |   | Top Shelf, Coat Rod, Hooks, 9 inch Extended Front                      |         |
| 6DK24249011  | KD   | 24" wide, 24" Deep, 90" high. Solid Sides, no Channel Base, Double Doors, Ultra Cremone Recessed Handles, and Louvers | Top Shelf, Center Partition, 2 Coat Rods, Hooks, 9 inch Extended Front |         |
| 6DW24249011  | W    |   | Top Shelf, Center Partition, 2 Coat Rods, Hooks, 9 inch Extended Front |         |



| Locker Shell Ordering Guide |   |
|-----------------------------|---|
| 1                           | Gear, Duty, TA50 and RRDL are ALL WITH Doors  |
| 2                           | Stadium and Turnout are ALL WITHOUT Door  |
| 3                           | ALL Gear lockers come with ONLY the Ultra Cremone Recessed Handle. No other handle is available at this time.   |
| 4                           | ALL 18" wide Gear lockers are Single Door ONLY. All 24" wide Gear lockers are available in both Single Door and Double Door. All Gear lockers over 24" wide are Double Door ONLY. |

|     |  |
|-----|--|
| 5   | Ordering a Duty locker means a Drawer Base Unit will be provided, if drawer base is not needed order a Gear locker. Examples: 90" high locker is a 72" locker with an nominal 18" high drawer base. 78" high locker will be a 60" locker with an nominal 18" high drawer base. |
| 6   | ALL Duty lockers are 1 Tier  |
| 7   | ALL Duty lockers are 1 Wide  |
| 8   | ALL Duty lockers come with a Drawer Base Unit  |
| 9   | Duty lockers are NOT available with channel base because of the drawer base unit   |
| 10  | Duty lockers are totally configurable, for that reason, hat shelf and coat rods need to be order separately  |
| 11  | When ordering a Front Extension for the drawer base unit the final depth of the base wil be as noted below:  |
| 11a | Drawer base unit with a 9" extension on a 24" deep locker will be 33" deep   |
| 11b | Drawer base unit with a 12" extension on a 24" deep locker will be 36" deep  |

\*Order welded for factory assembled Duty locker.

| Patriot DUTY - KD Locker Part Number Identification Matrix |        |       |       |           |              |              |   |            |                                   |             |
|--|--------|-------|-------|-----------|--------------|--------------|---|------------|-----------------------------------|-------------|
| D  | K      | #     | #     | #         | S            | S            | *   | *          | *                                 | *           |
| Product  | Type   | Width | Depth | Height    | LH Side Vent | RH Side Vent | Drawer Base Extension                                 | Door Type  | Handle Type                       | Door Vent   |
| D = Duty   | K = KD | 18    | 24    | 78        | S = Solid    | S = Solid    | N = 9" front extension<br>(See #9 above for details)  | S = Single | C = Ultra Cremone Recessed Handle | D = Diamond |
|  |        | 90    |       | S = Solid |              |              |   |            |                                   | S = Solid   |
|  |        | 24    | 24    | 78        | S = Solid    | S = Solid    | E = 12" front extension<br>(See #9 above for details) | D = Double | C = Ultra Cremone Recessed Handle | L = Louvers |
|  |        | 90    |       | S = Solid |              |              |   |            |                                   | S = Solid   |

**Part Number Examples:**

|                       |   |
|-----------------------|---|
| <b>DK182490SSECL</b>  | Duty - KD - 18" wide x 24" deep x 90" high (means 72" lkr with 18" high Drawer Base) - Solid LH Side - Solid RH Side - (E) 12" Front Drawer Extension - Single Door - Ultra Cremone Recessed Handle - Louver Door |
| <b>DK242478SSNDCS</b> | Duty - KD - 24" wide x 24" deep x 78" high (means 60" lkr with 18" high Drawer Base) - Solid LH Side - Solid RH Side - (N) 9" Front Drawer Extension - Double Door - Ultra Cremone Recessed Handle - Solid Door   |

| Patriot DUTY - Welded Locker Part Number Identification Matrix |            |       |       |           |              |              |   |            |                                   |             |
|--|------------|-------|-------|-----------|--------------|--------------|---|------------|-----------------------------------|-------------|
| D  | W          | #     | #     | #         | S            | S            | *   | *          | *                                 | *           |
| Product  | Type       | Width | Depth | Height    | LH Side Vent | RH Side Vent | Drawer Base Extension                                 | Door Type  | Handle Type                       | Door Vent   |
| D = Duty   | W = Welded | 18    | 24    | 78        | S = Solid    | S = Solid    | N = 9" front extension<br>(See #9 above for details)  | S = Single | C = Ultra Cremone Recessed Handle | D = Diamond |
|  |            | 90    |       | S = Solid |              |              |   |            |                                   | S = Solid   |
|  |            | 24    | 24    | 78        | S = Solid    | S = Solid    | E = 12" front extension<br>(See #9 above for details) | D = Double | C = Ultra Cremone Recessed Handle | L = Louvers |
|  |            | 90    |       | S = Solid |              |              |   |            |                                   | S = Solid   |



| Product  | Type       | # Width | # Depth | # Height  | * LH Side Vent | * RH Side Vent | Drawer Base Ext                                       | * Door Type | * Handle Type                     | * Door Vent |
|----------|------------|---------|---------|-----------|----------------|----------------|---|-------------|-----------------------------------|-------------|
| D = Duty | W = Welded | 18      | 24      | 78        | S = Solid      | S = Solid      | N = 9" front extension<br>(See #9 above for details)  | S = Single  | C = Ultra Cremone Recessed Handle | D = Diamond |
|          |            | 90      |         | S = Solid |                |                | S = Solid   |             |                                   |             |
|          |            | 24      | 24      | 78        | S = Solid      | S = Solid      | E = 12" front extension<br>(See #9 above for details) | D = Double  | C = Ultra Cremone Recessed Handle | L = Louvers |
|          |            | 90      |         | S = Solid |                |                |   |             |                                   | S = Solid   |

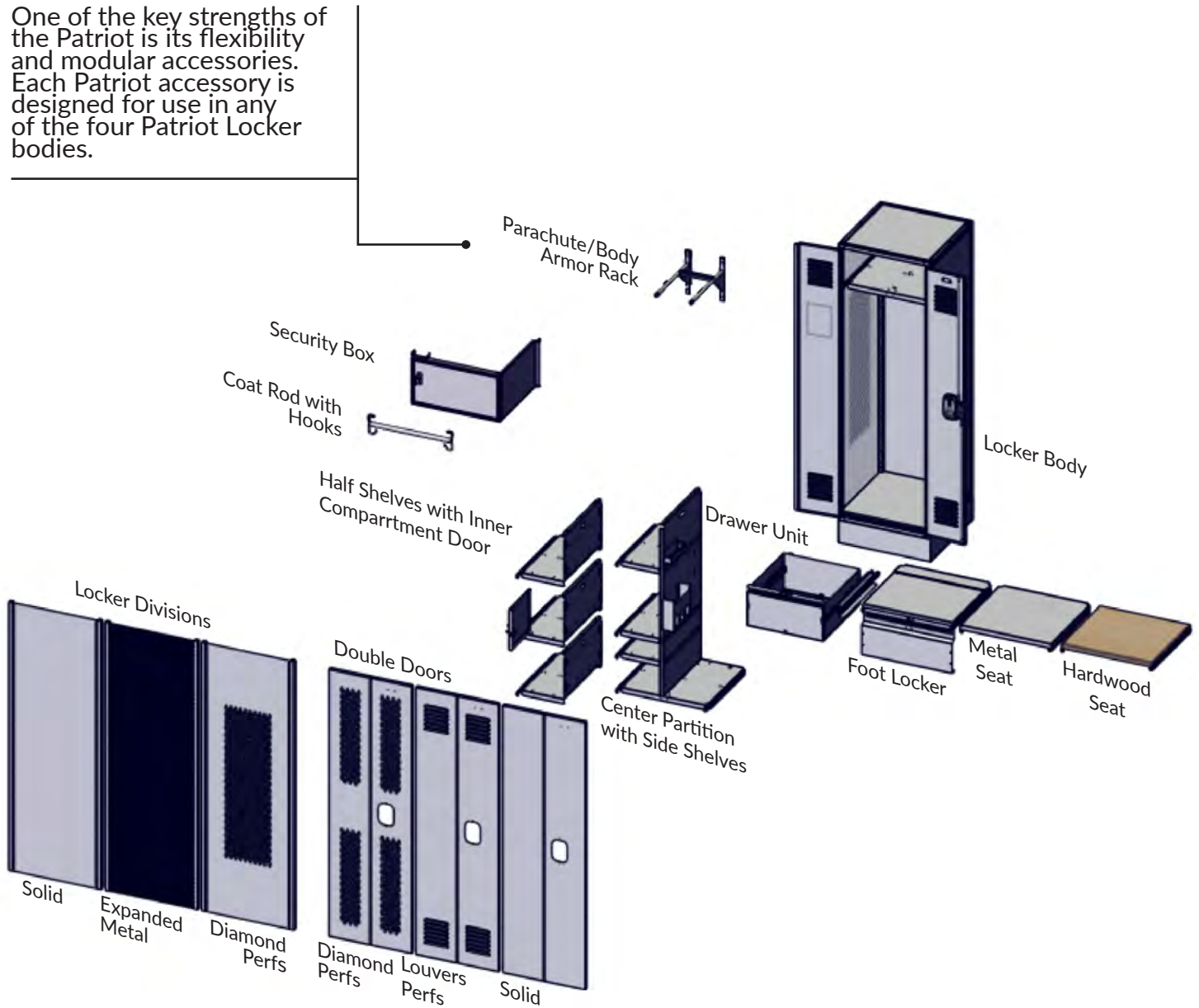
**Part Number Examples:**

|                       |  |
|-----------------------|--|
| <b>DW182478SSNSCL</b> | Duty - Welded - 18" wide x 24" deep x 78" high (means 60" lkr with 18" high Drawer Base) - Solid LH Side - Solid RH Side - (N) 9" Front Drawer Extension - Single Door - Ultra Cremone Recessed Handle - Louver Door |
| <b>DW242490SSEDCS</b> | Duty - Welded - 24" wide x 24" deep x 90" high (means 72" lkr with 18" high Drawer Base) - Solid LH Side - Solid RH Side - (E) 12" Front Drawer Extension - Double Door - Ultra Cremone Recessed Handle - Solid Door |

## Fully Framed Gear & Turnout Lockers

### Configure and Build to Suit

One of the key strengths of the Patriot is its flexibility and modular accessories. Each Patriot accessory is designed for use in any of the four Patriot Locker bodies.



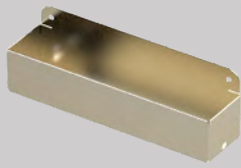
For more information about locker configurations, contact your Penco Representative.

## Locker Accessories (Not for TA-50\* or Stadium\*)

*\*Exception: The 4 or 6-inch high Channel Base is still an option for both TA-50 and Stadium*

The accessories listed here will help you to personalize and organize the lockers to fit your needs.

### Cell Phone/Key Tray:



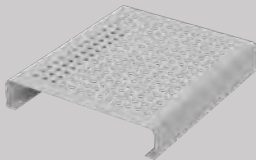
8-inch (203.2 mm) x 2-inch (50.8 mm) x 2-inch (50.8 mm) mounted to center partition or half shelf. If either of these items are being ordered, you can attach it to the side of the locker using 2 side rails (ordered separately)

### Document Sleeve:



Formed from 16 gauge steel, the document sleeve is available in either a vertical or horizontal configuration for efficient storage of portfolios, note pads or binders.

### Boot Tray:



The 12" x 14" boot tray provides air space between soiled or wet footwear and the locker bottom. A series of round hole perforations are used to promote airflow and the tray is kept from marring the locker finish by rubber pads. Not for use on 18" wide lockers with center partition.

### Coat Rod with hooks - Full Length:



Using coat rod hooks mounted to shelf. 18", 24", 30", 36", 42", 48" width sizes correlating to the width of the locker.

### Acrylic Mirror:



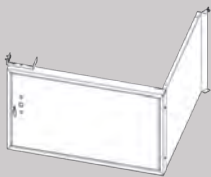
The adhesive-backed mirror resists breakage and can be permanently mounted wherever you need it.

### Coat Rod with hooks - Half Length:



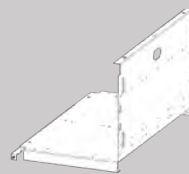
Using coat rod hooks mounted to shelf and used on lockers with center partition or half shelves. 9" for 18" wide locker, 12" for 24" wide locker, 15" for 30" wide locker, 18" for 36" wide locker, 21" for 42" wide locker and 24" for 48" wide locker.

### Security Box:



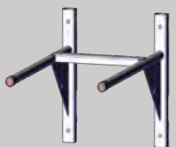
Available in many widths, the security box uses a 18 gauge lockable door, 16 gauge side panel and welded door frame. Uses any standard box locker padlock or built in lock. (lock sold separately)

### Half Shelf:



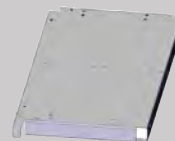
L-shaped half shelf, 16 gauge steel. Attaches securely on one side with a side rail and the flanged partition mounts to shelf or half shelf above.

### Parachute/Body Armor Rack:



Formed from 3/4-inch diameter, heavy wall steel tube. Reinforced by 14-gauge gussets. Mounted securely to rear of locker. 180-pound capacity. Rack is attach by drilling holes in the locker back and using the nuts, bolts and washers supplied. If ordering welded, installation will be done at factory, if ordering knockdown must be done on site.

### Side Shelf:



Shelf is only used with center partitions when shelves are needed on either side. 9" for 18" wide locker, 12" for 24" wide locker, 15" for 30" wide locker, 18" for 36" for locker, 21" for 42" wide locker and 24" for 48" wide locker.

### Garment Separator:



Can be used as an alternative to the optional Coat Rod. Mounts to shelf.

### Hook:



Single Prong - mounts to shelf.



## Locker Accessories (Not for TA-50\* or Stadium\*)

*\*Exception: The 4 or 6-inch high Channel Base is still an option for both TA-50 and Stadium*

### Channel Base:



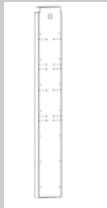
4-inch or 6-inch high. 14 gauge steel formed in a "C" channel that attaches to locker bottom.

### Full Width Shelf:



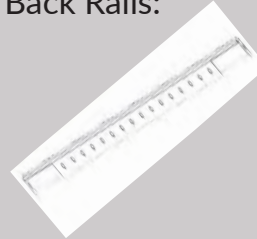
16 gauge steel. Attaches securely to mounting side rails. Comes with 2 Back Hooks. Order Back Rails when additional shelf support is needed.

### Center Partition:



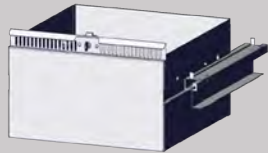
16 gauge steel with a flanged front. Attaches securely to shelf and locker bottom or additional lower shelf. (Not for use with footlocker or seat). Mounting holes for side shelves provided on nominal 6 inch centers.

### Back Rails:



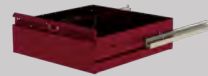
Back Rails are used with full width shelves when extra support is needed. Order one back rail per full width shelf. The size of the back rail correlates with the width of the shelf.

### Bottom 12" High Drawer:



12 inch high and constructed of 16 gauge sheet steel. Provides easy access to files and equipment without taking up valuable space when not in use. Must order shelf for above this drawer. (lock sold separately)

### Intermediate 6" High Drawer:



6 inch high and constructed of 16 gauge sheet steel. Can be stacked inside locker. Provides easy access to files and equipment without taking up valuable space when not in use. Must order shelf for above the first drawer. If ordering multiple drawers and each drawer needs to be locked a shelf must be ordered for each drawer. (lock sold separately)

### Wood Seat Option:



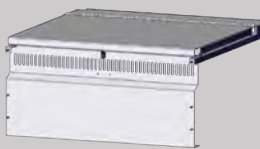
Used in place of a footlocker or drawer unit, the 1-1/4" thick solid hardwood bench provides a sturdy seating surface with open storage underneath for stowing larger bags or equipment.

### Metal Seat Option:



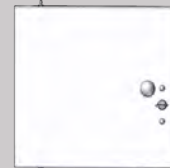
Used in place of a footlocker or drawer unit, the 16 gauge metal seat provides a sturdy seating surface with open storage underneath for stowing larger bags or equipment.

### Footlocker:



The reinforced lid of the footlocker features a continuous hinge and also serves as a seat. The front panel includes a single point latch with a padlock strike plate for security and vertical ventilation. (lock sold separately)

### Inner Compartment Door:



Used only with "L" shaped half shelf. 18 gauge steel. (lock sold separately)

### Additional Accessories:

Standard Penco locker accessories such as vertical fillers, continuous slope hood, locker room benches and recess trim are available for use on Patriot Fully Framed Lockers. See Penco price book for details.

## Locker Accessories (Not for TA-50 or Stadium)

| Description  | Part #      | Size    |
|--|-------------|---------|
| Center Partition   | 6FCP1844-K  | 18 x 44 |
|  | 6FCP1844-W  | 18 x 44 |
|  | 6FCP1857-K  | 18 x 57 |
|  | 6FCP1857-W  | 18 x 57 |
|  | 6FCP1851-K  | 18 x 51 |
|  | 6FCP1851-W  | 18 x 51 |
|  | 6FCP2451-K  | 24 x 51 |
|  | 6FCP2451-W  | 24 x 51 |
|  | 6FCP2444-K  | 24 x 44 |
|  | 6FCP2444-W  | 24 x 44 |
| Side Shelf (used with center partitions)                         | CPHS0918-K  | 9 x 18  |
|  | CPHS0918-W  | 9 x 18  |
|  | CPHS0924-K  | 9 x 24  |
|  | CPHS0924-W  | 9 x 24  |
|  | CPHS1218-K  | 12 x 18 |
|  | CPHS1218-W  | 12 x 18 |
|  | CPHS1224-K  | 12 x 24 |
|  | CPHS1224-W  | 12 x 24 |
|  | CPHS1524-K  | 15 x 24 |
|  | CPHS1524-W  | 15 x 24 |
|  | CPHS1824-K  | 18 x 24 |
|  | CPHS1824-W  | 18 x 24 |
|  | CPHS2124-K  | 21 x 24 |
|  | CPHS2124-W  | 21 x 24 |
|  | CPHS2418-K  | 24 x 18 |
|  | CPHS2418-W  | 24 x 18 |
| Coat Rod Kit - Full Length                                       | 6FCR18-K    | 18      |
|  | 6FCR18-W    | 18      |
|  | 6FCR24-K    | 24      |
|  | 6FCR24-W    | 24      |
|  | 6FCR30-K    | 30      |
|  | 6FCR30-W    | 30      |
|  | 6FCR36-K    | 36      |
|  | 6FCR36-W    | 36      |
|  | 6FCR42-K    | 42      |
|  | 6FCR42-W    | 42      |
| Coat Rod Kit - Half Length (9" wide, use with 18" wide lkr)      | 6FCRH09-18K | 9       |
|  | 6FCRH09-18W | 9       |
| Coat Rod Kit - Half Length (12" wide, use with 24" wide lkr)     | 6FCRH12-24K | 12      |
|  | 6FCRH12-24W | 12      |
| Coat Rod Kit - Half Length (15" wide, use with 30" wide lkr)     | 6FCRH15-30K | 15      |
|  | 6FCRH15-30W | 15      |
| Coat Rod Kit - Half Length (18" wide, use with 36" wide lkr)     | 6FCRH18-36K | 18      |
|  | 6FCRH18-36W | 18      |
| Coat Rod Kit - Half Length (21" wide, for use with 42" wide lkr) | 6FCRH21-42K | 21      |
|  | 6FCRH21-42W | 21      |
| Coat Rod Kit - Half Length (24" wide, for with 48" wide lkr)     | 6FCRH24-48K | 24      |
|  | 6FCRH24-48W | 24      |

| Description  | Part #       | Size         |
|--|--------------|--------------|
| Bottom Drawer - 12" High (bottom of locker only)   | DU181812-K   | 18 x 18 x 12 |
|  | DU181812-W   | 18 x 18 x 12 |
|  | DU182412-K   | 18 x 24 x 12 |
|  | DU182412-W   | 18 x 24 x 12 |
|  | DU241812-K   | 24 x 18 x 12 |
|  | DU241812-W   | 24 x 18 x 12 |
|  | DU242412-K   | 24 x 24 x 12 |
|  | DU242412-W   | 24 x 24 x 12 |
|  | DU302412-K   | 30 x 24 x 12 |
|  | DU302412-W   | 30 x 24 x 12 |
| Bottom Drawer - 12" High (bottom of locker only) actually 18" wide, goes into a 36" w locker | DU362412-K   | 36 x 24 x 12 |
|  | DU362412-W   | 36 x 24 x 12 |
| Bottom Drawer - 12" High (bottom of locker only) actually 21" wide goes into a 42" w locker  | DU422412-K   | 42 x 24 x 12 |
|  | DU422412-W   | 42 x 24 x 12 |
| Bottom Drawer - 12" High (bottom of locker only) actually 24" wide goes into a 48" w locker  | DU482412-K   | 48 x 24 x 12 |
|  | DU482412-W   | 48 x 24 x 12 |
| Intermediate Drawer - 6" High  | DU181806-K   | 18 x 18 x 6  |
|  | DU181806-W   | 18 x 18 x 6  |
|  | DU182406-K   | 18 x 24 x 6  |
|  | DU182406-W   | 18 x 24 x 6  |
|  | DU241806-K   | 24 x 18 x 6  |
|  | DU241806-W   | 24 x 18 x 6  |
|  | DU242406-K   | 24 x 24 x 6  |
|  | DU242406-W   | 24 x 24 x 6  |
|  | DU301806-K   | 30 x 18 x 6  |
|  | DU301806-W   | 30 x 18 x 6  |
|  | DU302406-K   | 30 x 24 x 6  |
|  | DU302406-W   | 30 x 24 x 6  |
|  | DU362406-K   | 36 x 24 x 6  |
|  | DU362406-W   | 36 x 24 x 6  |
| Footlocker   | DU422406-K   | 42 x 24 x 6  |
|  | DU422406-W   | 42 x 24 x 6  |
|  | DU482406-K   | 48 x 24 x 6  |
|  | DU482406-W   | 48 x 24 x 6  |
|  | FT181812-K   | 18 x 18 x 12 |
|  | FT181812-W   | 18 x 18 x 12 |
|  | FT182412-K   | 18 x 24 x 12 |
|  | FT182412-W   | 18 x 24 x 12 |
|  | FT241812-K   | 24 x 18 x 12 |
|  | FT241812-W   | 24 x 18 x 12 |
|  | FT242412-K   | 24 x 24 x 12 |
|  | FT242412-W   | 24 x 24 x 12 |
| FT302412-K   | 30 x 24 x 12 |              |
| FT302412-W   | 30 x 24 x 12 |              |
| FT362412-K   | 36 x 24 x 12 |              |
| FT362412-W   | 36 x 24 x 12 |              |
| FT422412-K   | 42 x 24 x 12 |              |
| FT422412-W   | 42 x 24 x 12 |              |
| FT482412-K   | 48 x 24 x 12 |              |
| FT482412-W   | 48 x 24 x 12 |              |

## Locker Accessories (Not for TA-50 or Stadium)

| Description  | Part #      | Size     |
|--|-------------|----------|
| Half Shelf   | 6FHS0918-K  | 9 x 18   |
|  | 6FHS0918-W  |          |
|  | 6FHS0924-K  | 9 x 24   |
|  | 6FHS0924-W  |          |
|  | 6FHS1218-K  | 12 x 18  |
|  | 6FHS1218-W  |          |
|  | 6FHS1224-K  | 12 x 24  |
|  | 6FHS1224-W  |          |
|  | 6FHS1518-K  | 15 x 18  |
|  | 6FHS1518-W  |          |
|  | 6FHS1524-K  | 15 x 24  |
|  | 6FHS1524-W  |          |
|  | 6FHS1818-K  | 18 x 18  |
|  | 6FHS1818-W  |          |
|  | 6FHS1824-K  | 18 x 24  |
|  | 6FHS1824-W  |          |
|  | 6FHS2118-K  | 21 x 18  |
|  | 6FHS2118-W  |          |
|  | 6FHS2124-K  | 21 x 24  |
|  | 6FHS2124-W  |          |
| 6FHS2418-K   | 24 x 18     |          |
| 6FHS2418-W   |             |          |
| 6FHS2424-K   | 24 x 24     |          |
| 6FHS2424-W   |             |          |
| Inner compartment door (in half shelf only)  | 6FCMPT09-K  | 9        |
|  | 6FCMPT09-W  |          |
|  | 6FCMPT10-K  | 10       |
|  | 6FCMPT10-W  |          |
|  | 6FCMPT12-K  | 12       |
|  | 6FCMPT12-W  |          |
|  | 6FCMPT15-K  | 15       |
|  | 6FCMPT15-W  |          |
|  | 6FCMPT18-K  | 18       |
|  | 6FCMPT18-W  |          |
|  | 6FCMPT21-K  | 21       |
|  | 6FCMPT21-W  |          |
| 6FCMPT24-K   | 24          |          |
| 6FCMPT24-W   |             |          |
| Inner Compartment Panels:<br>for inside of inner compartment door<br>when your ordering an expended<br>metal division and you want to block<br>the view. | STLCMPT18-K | 18" deep |
|  | STLCMPT18-W |          |
|  | STLCMPT24-K | 24" deep |
|  | STLCMPT24-W |          |
| Metal Seat   | FSEAT1818-K | 18 x 18  |
|  | FSEAT1818-W |          |
|  | FSEAT2418-K | 24 x 18  |
|  | FSEAT2418-W |          |
|  | FSEAT2424-K | 24 x 24  |
|  | FSEAT2424-W |          |
|  | FSEAT3024-K | 30 x 24  |
|  | FSEAT3024-W |          |
|  | FSEAT3624-K | 36 x 24  |
|  | FSEAT3624-W |          |
|  | FSEAT4224-K | 42 x 24  |
|  | FSEAT4224-W |          |
|  | FSEAT4824-K | 48 x 24  |
|  | FSEAT4824-W |          |

| Description  | Part #      | Size     |
|--|-------------|----------|
| Security Box (for top of shelf only)   | 6FSB918-K   | 9 x 18   |
|  | 6FSB918-W   |          |
|  | 6FSB924-K   | 9 x 24   |
|  | 6FSB924-W   |          |
| Security Box (for top of shelf only)<br>Actually 10.5" wide could put 4 in a<br>42 wide locker                                       | 6FSB1118-K  | 11 x 18  |
|  | 6FSB1118-W  |          |
|  | 6FSB1124-K  | 11 x 24  |
|  | 6FSB1124-W  |          |
| Security Box (for top of shelf only)   | 6FSB1218-K  | 12 x 18  |
|  | 6FSB1218-W  |          |
|  | 6FSB1221-K  | 12 x 21  |
|  | 6FSB1221-W  |          |
|  | 6FSB1224-K  | 12 x 24  |
|  | 6FSB1224-W  |          |
|  | 6FSB1518-K  | 15 x 18  |
|  | 6FSB1518-W  |          |
|  | 6FSB1524-K  | 15 x 24  |
|  | 6FSB1524-W  |          |
|  | 6FSB1818-K  | 18 x 18  |
|  | 6FSB1818-W  |          |
|  | 6FSB1824-K  | 18 x 24  |
|  | 6FSB1824-W  |          |
|  | 6FSB2118-K  | 21 x 18  |
|  | 6FSB2118-W  |          |
|  | 6FSB2124-K  | 21 x 24  |
|  | 6FSB2124-W  |          |
|  | 6FSB2418-K  | 24 x 18  |
|  | 6FSB2418-W  |          |
| 6FSB2424-K   | 24 x 24     |          |
| 6FSB2424-W   |             |          |
| Security Box Panel<br>for inside of inner compartment door<br>when your ordering an expended<br>metal division and you want to block | STL100718-K | 18" deep |
|  | STL100718-W |          |
|  | STL100724-K | 24" deep |
|  | STL100724-W |          |
| Full Width Shelf<br>Comes with 2 Back Hooks  | 6FSH1818-K  | 18 x 18  |
|  | 6FSH1818-W  |          |
|  | 6FSH1824-K  | 18 x 24  |
|  | 6FSH1824-W  |          |
|  | 6FSH2418-K  | 24 x 18  |
|  | 6FSH2418-W  |          |
|  | 6FSH2421-K  | 24 x 21  |
|  | 6FSH2421-W  |          |
|  | 6FSH2424-K  | 24 x 24  |
|  | 6FSH2424-W  |          |
|  | 6FSH3024-K  | 30 x 24  |
|  | 6FSH3024-W  |          |
|  | 6FSH3624-K  | 36 x 24  |
|  | 6FSH3624-W  |          |
| 6FSH4224-K   | 42 x 24     |          |
| 6FSH4224-W   |             |          |
| 6FSH4824-K   | 48 x 24     |          |
| 6FSH4824-W   |             |          |

## Locker Accessories (Not for TA-50\* or Stadium\*)

*\*Exception: The 4 or 6-inch high Channel Base is still an option for both TA-50 and Stadium*

| Description             | Part #     | Size    |
|-------------------------|------------|---------|
| Full Width Security Box | SBFW1818-K | 18 x18  |
|                         | SBFW1818-W | 18 x18  |
|                         | SBFW1824-K | 18 x 24 |
|                         | SBFW1824-W | 18 x 24 |
|                         | SBFW2418-K | 24 x 18 |
|                         | SBFW2418-W | 24 x 18 |
|                         | SBFW2424-K | 24 x 24 |
|                         | SBFW2424-W | 24 x 24 |

|            | W  | D | H | Part Number | Price | Per | Wt  | Pkg |
|------------|----|---|---|-------------|-------|-----|-----|-----|
| Side Rails | 18 |   |   | FF101018SK  | 9.20  | Ea. | 0.5 | LPP |
|            | 18 |   |   | FF101018SW  | 13.3. | Ea. | 0.5 | LPP |
|            | 21 |   |   | FF101021SK  | 9.65  | Ea. | 0.6 | LPP |
|            | 21 |   |   | FF101021SW  | 13.75 | Ea. | 0.6 | LPP |
|            | 24 |   |   | FF101024SK  | 10.05 | Ea. | 0.7 | LPP |
|            | 24 |   |   | FF101024SW  | 14.15 | Ea. | 0.7 | LPP |

| Description  | Part #      | Size            |
|--|-------------|-----------------|
| Back Rails - For full width shelves when extra support is needed. Also used for parachute/body armor rack when ordering the rack with partitions and half shelves. | FF101018BK  | 18"             |
|  | FF101018BW  |                 |
|  | FF101024BK  | 24"             |
|  | FF101024BW  |                 |
|  | FF101030K   | 30"             |
|  | FF101030W   |                 |
|  | FF101036K   | 36"             |
|  | FF101036W   |                 |
|  | FF101042K   | 42"             |
|  | FF101042W   |                 |
| FF101048K  | 48"         |                 |
| FF101048W  |             |                 |
| Hardwood Bench Seat  | BENCH1818HK | 18 x 18         |
|  | BENCH1818HW | 18 x 18         |
|  | BENCH1824HK | 18 x 24         |
|  | BENCH1824HW | 18 x 24         |
|  | BENCH2418HK | 24 x 18         |
|  | BENCH2418HW | 24 x 18         |
|  | BENCH2424HK | 24 x 24         |
|  | BENCH2424HW | 24 x 24         |
|  | BENCH3024HK | 30 x 24         |
|  | BENCH3024HW | 30 x 24         |
|  | BENCH3624HK | 36 x 24         |
|  | BENCH3624HW | 36 x 24         |
|  | BENCH4224HK | 42 x 24         |
|  | BENCH4224HW | 42 x 24         |
|  | BENCH4824HK | 48 x 24         |
|  | BENCH4824HW | 48 x 24         |
| Individual Hardwood Seat (for Duty Lockers)  | 6RQ1242-K   | 18 x 9.5 x 1.25 |
|  | 6RQ1242-W   |                 |
|  | 6RQ0575-K   | 24 x 9.5 x 1.25 |
|  | 6RQ0575-W   |                 |
|  | 6RQ11224-K  | 18 x 12 x 1.25  |
|  | 6RQ11224-W  |                 |
|  | 6RQQ722-K   | 24 x 12 x 1.25  |
|  | 6RQQ722-W   |                 |
| Channel Base - 4 inch high   | CBW1818-4K  | 18 x 18 x 4     |
|  | CBW1818-4W  |                 |
|  | CBW1824-4K  | 18 x 24 x 4     |
|  | CBW1824-4W  |                 |
|  | CBW2418-4K  | 24 x 18 x 4     |
|  | CBW2418-4W  |                 |
|  | CBW2421-4K  | 24 x 21 x 4     |
|  | CBW2421-4W  |                 |
|  | CBW2424-4K  | 24 x 24 x 4     |
|  | CBW2424-4W  |                 |
|  | CBW3024-4K  | 30 x 24 x 4     |
|  | CBW3024-4W  |                 |
|  | CBW3624-4K  | 36 x 24 x 4     |
|  | CBW3624-4W  |                 |
|  | CBW4224-4K  | 42 x 24 x 4     |
|  | CBW4224-4W  |                 |
| CBW4824-4K   | 48 x 24 x 4 |                 |
| CBW4824-4W   |             |                 |

*\*Exception: The 4 or 6-inch high Channel Base is still an option for both TA-50 and Stadium*

| Description  | Part #      | Size   |
|--|-------------|--------|
| Garment Separator - Full Width - Replaces Coat Rod | 6FGARM-18HK | 18 x 2 |
|  | 6FGARM-18HW | 18 x 2 |
|  | 6FGARM-24HK | 24 x 2 |
|  | 6FGARM-24HW | 24 x 2 |
|  | 6FGARM-30HK | 30 x 2 |
|  | 6FGARM-30HW | 30 x 2 |
|  | 6FGARM-36HK | 36 x 2 |
|  | 6FGARM-36HW | 36 x 2 |
|  | 6FGARM-42HK | 42 x 2 |
|  | 6FGARM-42HW | 42 x 2 |
|  | 6FGARM-48HK | 48 x 2 |
|  | 6FGARM-48HW | 48 x 2 |
| Garment Separator - Half Width                     | HGARM-09HK  | 9 x 2  |
|  | HGARM-09HW  | 9 x 2  |
|  | HGARM-12HK  | 12 x 2 |
|  | HGARM-12HW  | 12 x 2 |
|  | HGARM-15HK  | 15 x 2 |
|  | HGARM-15HW  | 15 x 2 |
|  | HGARM-18HK  | 18 x 2 |
|  | HGARM-18HW  | 18 x 2 |
|  | HGARM-21HK  | 21 x 2 |
|  | HGARM-21HW  | 21 x 2 |
|  | HGARM-24HK  | 24 x 2 |
|  | HGARM-24HW  | 24 x 2 |

| Description  | Part #      | Size          |
|--|-------------|---------------|
| Channel Base - 6 inch high   | CBW1818-6K  | 18 x 18 x 6   |
|  | CBW1818-6W  |               |
|  | CBW1824-6K  |               |
|  | CBW1824-6W  | 18 x 24 x 6   |
|  | CBW2418-6K  |               |
|  | CBW2418-6W  | 24 x 18 x 6   |
|  | CBW2421-6K  |               |
|  | CBW2421-6W  | 24 x 21 x 6   |
|  | CBW2424-6K  |               |
|  | CBW2424-6W  | 24 x 24 x 6   |
|  | CBW3024-6K  |               |
|  | CBW3024-6W  | 30 x 24 x 6   |
|  | CBW3624-6K  |               |
|  | CBW3624-6W  | 36 x 24 x 6   |
| CBW4224-6K   |             |               |
| CBW4224-6W   | 42 x 24 x 6 |               |
| CBW4824-6K   |             |               |
| CBW4824-6W   | 48 x 24 x 6 |               |
| Hooks (single prong - mounts to shelf)   |             | 8696          |
| Cell Phone / Key Tray  | 60830H      | 8 x 2         |
| Acrylic Mirror<br>With adhesive back: 1/8" thick<br>Cannot be attached to doors with diamond or visual perforations, mini-louvers and quiet sound-deadening panels.  | 96370       | 6 x 8         |
| Parachute/Body Armor Rack<br>Formed from a 3/4-in diameter, heavy wall steel tube. Reinforced by 14-gauge gussets. Mounted securely to rear of locker. 180-pound capacity. Rack is attached by drilling holes in the locker back and using the nuts, bolts and washer supplied. If ordering welded this will be done at factory, if ordering knockdown must be done on site. | 6ACXAB33C-K | 18            |
|  | 6ACXAB33C-W | 18            |
| Boot Tray<br>Rests on bottom of locker or lower shelf. Fits 24" or wider lockers   | 6ACXFF09H   | 14 x 12       |
| Name Card Holder<br>Size shown is card size.<br>NOTE: Add \$2.25 each to punch holes in door for attaching   | 9446H       | 2-3/4 x 1-1/4 |
| Document Sleeve - Small<br>(mounts to half shelf or center partition)  | 6ACXAB32C   | 9.5 x 3 x 8   |
| Document Sleeve - Large<br>(mounts to half shelf or center partition)  | 6ACXFF54C   | 12 x 3 x 8    |
| Leveling Feet Kit - Includes 4 nuts and 4 bolts. NOTE: Can only be used on Fully Framed Lockers. Cannot be used on Duty lockers or be used with Channel Base or Zee Base. We do not offer anything that will cover up the feet if used.  | HM0035A     | 2.5" long     |

## Locking Options

All Patriot Lockers can be outfitted with a number of locking options. While all models are designed to use readily available locker locks, some options requires specific lock types.

A – Gear and Turnout Security Boxes are hinged on the right and can be equipped with any box locker lock including padlocks.

B – The standard Ultra Cremone Recessed Handle on Gear lockers can accept a padlock or built-in lock.

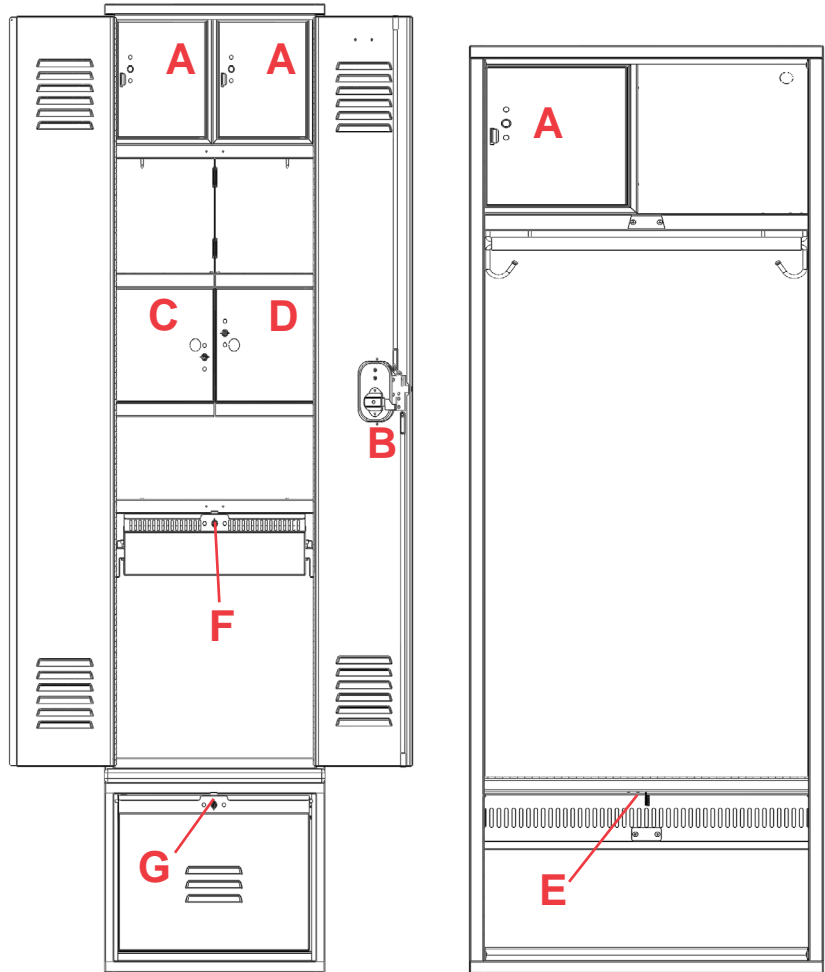
C – Left Hand Inner Compartment Door accepts most built-in dead bolt locks. It does not have a padlock attachment.

D – Right Hand Inner Compartment Door accepts most built-in dead bolt locks. It does not have a padlock attachment.

E – Gear and Turnout Footlockers have a padlock attachment and no provision for built-in locks.

F – Intermediate Drawer for Gear and Turnout are configured to work best with a built-in spring bolt key for ease of use.

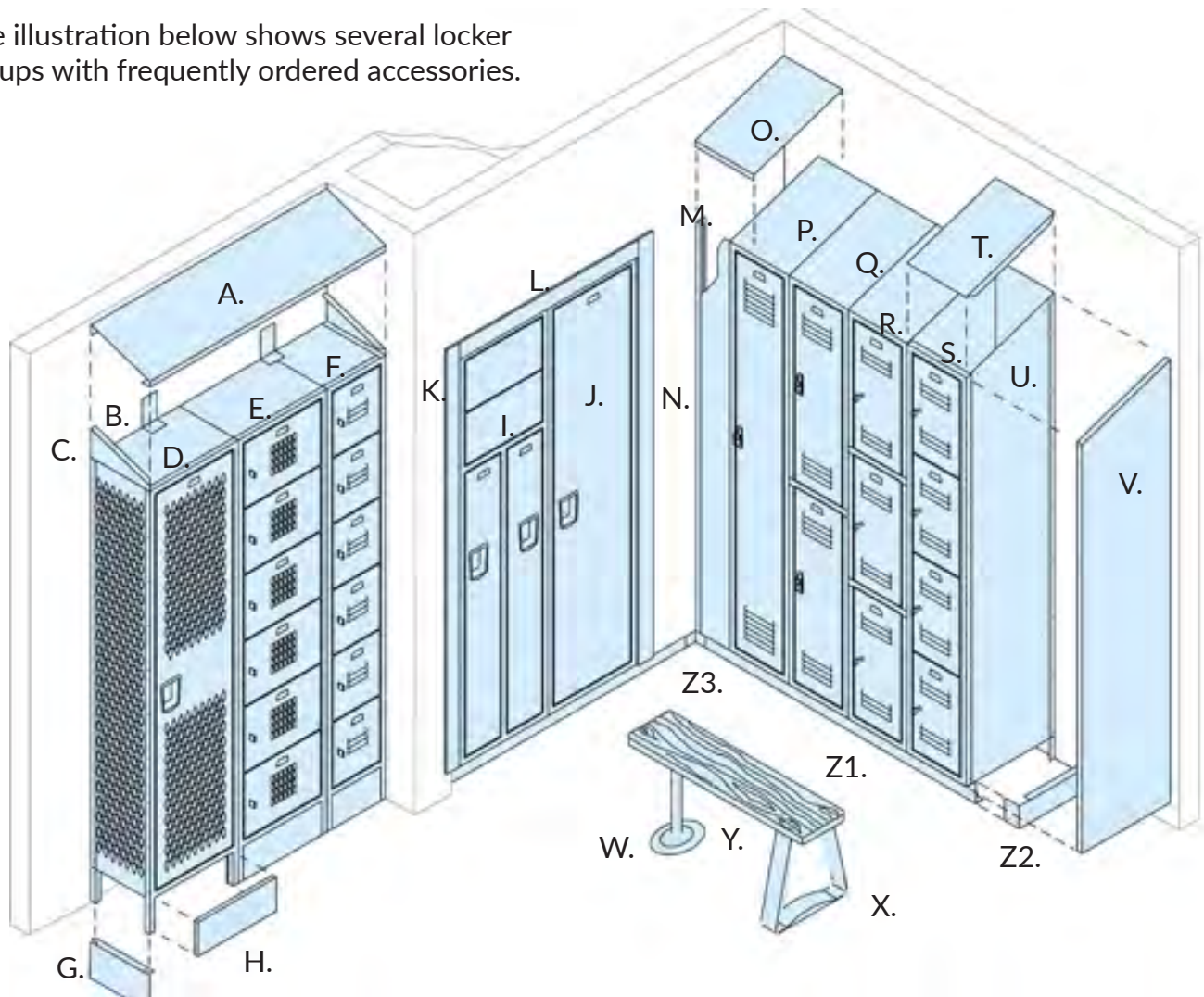
G – Bottom Drawers are configured to work best with a built-in spring bolt key for ease of use.



|   | Padlock   | Keyed Spring Bolt                                    | Keyed Dead Bolt | Combination Spring Bolt | Combination Dead Bolt |
|---|-----------|--|-----------------|-------------------------|-----------------------|
| A | PREFERRED | OK   | OK              | OK                      | OK                    |
| B | OK        | REFER TO LOCK APPLICATION TABLE IN LOCKER PRICE BOOK |                 |                         |                       |
| C | NO        | PREFERRED (LH)                                       | OK (LH)         | OK (LH)                 | OK (LH)               |
| D | NO        | PREFERRED (RH)                                       | OK (RH)         | OK (RH)                 | OK (RH)               |
| E | ONLY      | NO   | NO              | NO                      | NO                    |
| F | NO        | PREFERRED  | OK              | NO                      | NO                    |
| G | NO        | PREFERRED  | OK              | NO                      | NO                    |

## Accessories/Locker Growth

The illustration below shows several locker groups with frequently ordered accessories.



### Key for Illustration

- A. Slope Hood
- B. Universal Rear Hood Support
- C. Slope End for Hood L.H. (Left Hand)
- D. Single Tier Invincible
- E. 6 Tier Box Locker w/Visual Doors
- F. 6 Tier Box Locker w/Std. Louvers
- G. End Base, 6" High
- H. Front Base, 6" High

- I. Two Person Guardian
- J. Single Tier Guardian
- K. Side Recess Trim
- L. Top Recess Trim
- M. Wall Angle Slip Joint
- N. Vertical Filler
- O. Filler, Slope Top
- P. Single Tier Vanguard
- Q. Double Tier Vanguard
- R. Three Tier Vanguard

- S. Four Tier Vanguard
- T. Slope Top, Unit Construction
- U. Slope Top Division (Side)
- V. Boxed Finished End Panel (Right Hand)
- W. Heavy Duty Bench Pedestal
- X. Stainless Steel Bench Pedestal
- Y. Hardwood Bench
- Z1. Zee Base, 4" high
- Z2. Zee End Base/Splice
- Z3. Zee Inside Corner Splice

### Locker "Growth"

When planning an installation of Knocked Down lockers, allow an additional 1/16" for each frame. When planning an installation of Welded lockers, allow an additional 1/16" per group.

## Accessories

### Slope Top Construction

Slope tops are often used instead of flat tops to prevent the accumulation of dust and debris, and to discourage the use of locker tops as storage areas. There are three different types of slope top construction: Unit Slope Tops, Slope Hoods, and Slope Top Kits. Each is explained below.



#### Unit Slope Tops

Unit Slope Tops cover the width of one locker frame only. Lockers with Unit Slope Tops have sides with mitered top ends with a rise equal to 1/3 of the locker depth, plus longer backs that meet the rear edge of the slope top. Unit slope tops are used in place of the standard flat tops.

Order the appropriate locker plus the proper slope top size. Not for use on Invincible II, Welded, Stadium or Patriot lockers.



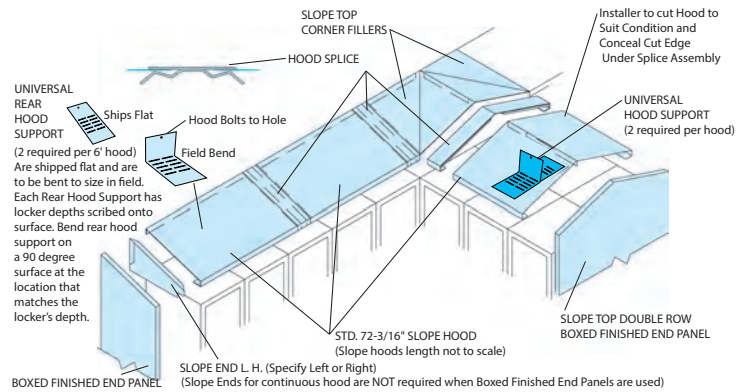
#### Slope Top Kits

Designed to convert stock flat top lockers into slope top lockers in groups of 3 wide. Each kit contains 3 tops, 3 backs and 4 ends. Not for use on Invincible II, Welded, Stadium or Patriot lockers.

#### Universal Rear Hood Support

Used with 12", 15" 18", 21" and 24" deep hood only.

### Typical Slope Hood Installation



### Continuous Slope Hoods

Continuous slope hoods fit on top of flat top lockers. They can be used on new lockers or on a retrofit basis. All hoods are furnished in 72" lengths and must be cut to length during installation. Intermediate splices and hood ends complete the installation and must be ordered separately. Hoods come with 2 rear supports and 1 splice. If extra supports are needed, order separately.

| Slope Top Kits - 3 Wide |            |             |          |
|-------------------------|------------|-------------|----------|
| Unit Width              | Unit Depth | Unit Height | Cat. No. |
| 12"                     | 12"        | 4"          | 60230H   |
|                         | 15"        | 5"          | 60232H   |
|                         | 18"        | 6"          | 60234H   |
| 15"                     | 15"        | 5"          | 60238H   |
|                         | 18"        | 6"          | 60240H   |
| 18"                     | 18"        | 6"          | 60244H   |

| Unit Slope Tops |            |          |
|-----------------|------------|----------|
| Unit Width      | Unit Depth | Cat. No. |
| 9"              | 12"        | 60332C   |
|                 | 15"        | 60334C   |
|                 | 18"        | 60336C   |
| 12"             | 12"        | 60338C   |
|                 | 15"        | 60340C   |
|                 | 18"        | 60342C   |
|                 | 21"        | 60344C   |
| 15"             | 12"        | 603450C  |
|                 | 15"        | 60346C   |
|                 | 18"        | 60348C   |
|                 | 21"        | 60350C   |
| 18"             | 18"        | 60352C   |
|                 | 21"        | 60354C   |
|                 | 24"        | 60356C   |
| 24"             | 18"        | 60364C   |
|                 | 21"        | 60366C   |
|                 | 24"        | 60368C   |

| Continuous Slope Hoods* |             |            |          |
|-------------------------|-------------|------------|----------|
| Unit Depth              | Unit Height | Unit Width | Cat. No. |
| 12"                     | 5"          | 72"        | 66144H   |
| 15"                     | 6"          | 72"        | 66147H   |
| 18"                     | 7"          | 72"        | 66150H   |
| 21"                     | 8"          | 72"        | 66153H   |
| 24"                     | 9"          | 72"        | 66156H   |

\*Includes 1 piece of hood and 2 hood supports.

| Universal Hood Supports |          |
|-------------------------|----------|
| Unit Height             | Cat. No. |
| 5-9                     | 66070    |

| Hood Splice |             |          |
|-------------|-------------|----------|
| Unit Depth  | Unit Height | Cat. No. |
| 12"         | 5"          | 66168C   |
| 15"         | 6"          | 66169C   |
| 18"         | 7"          | 66170C   |
| 21"         | 8"          | 66171C   |
| 24"         | 9"          | 66172C   |

| Slope Ends for Hood |             |                    |                     |
|---------------------|-------------|--------------------|---------------------|
| Unit Depth          | Unit Height | Left Hand Cat. No. | Right Hand Cat. No. |
| 12"                 | 5"          | 66158H             | 66159H              |
| 15"                 | 6"          | 66160H             | 66161H              |
| 18"                 | 7"          | 66162H             | 66163H              |
| 21"                 | 8"          | 66164H             | 66165H              |
| 24"                 | 9"          | 66166H             | 66167H              |

| Continuous Slope Hoods |            |             |          |
|------------------------|------------|-------------|----------|
| Unit Length            | Unit Depth | Unit Height | Cat. No. |
| 72"                    | 13"        | 5.3"        | 6HDX330H |
|                        | 16"        | 6.3"        | 6HDX124H |
|                        | 19"        | 7.3"        | 6HDX471H |

Use only when lockers need to be 1 inch away from wall. Includes 1 piece of hood and 2 hood supports. Do NOT use with STANDARD size Slope Ends, Slope Top Corner Fillers, Hip Fillers or Finished End Panels. See special Splices & Hood Supports for these hoods below. 2 rear supports and 1 splice included with hood.

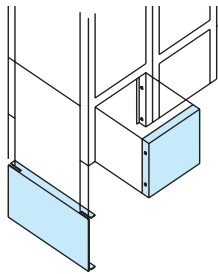
| Hood Supports |          |
|---------------|----------|
| Unit Height   | Cat. No. |
| 5.3"          | 6HDX480C |
| 6.3"          | 6HDX481C |
| 7.3"          | 6HDX474C |

| Hood Splice |          |
|-------------|----------|
| Unit Depth  | Cat. No. |
| 13"         | 6HDX484C |
| 16"         | 6HDX127C |
| 19"         | 6HDX473C |

| Slope Ends for Hood |            |             |          |
|---------------------|------------|-------------|----------|
| Left/Right          | Unit Depth | Unit Height | Cat. No. |
| LH                  | 13"        | 5.3"        | 6HDX642H |
| RH                  | 13"        | 5.3"        | 6HDX643H |
| LH                  | 16"        | 6.3"        | 6HDX125H |
| RH                  | 16"        | 6.3"        | 6HDX126H |
| LH                  | 19"        | 7.3"        | 6HDX694H |
| RH                  | 19"        | 7.3"        | 6HDX695H |



## Accessories

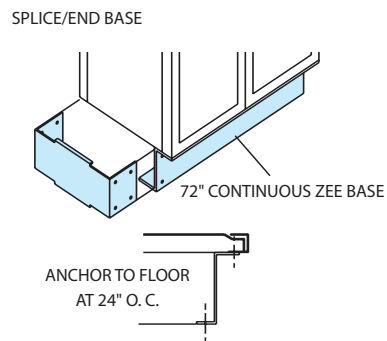


### Individual Closed Bases

Front and end bases are designed to fit between standard Penco 6" legs. They present a clean flush appearance and prevent the accumulation of dust and dirt under the lockers. Front Base snaps in; End Base slips over legs during locker assembly. Only available for knocked down lockers with 6" legs.

### Zee Bases

Zee bases raise lockers without legs 4" off the floor when there is no concrete or wood base. They provide a toe space in the front and a concealed flange for floor anchoring at the rear. A special 4" high rear leg can be ordered to support the back of the locker. (6" high zee bases are also available.)



Zee bases are available only in 72" lengths, and may need to be cut to fit at the time of installation. Splices/End Bases are used at ends of rows, and where the front sections join. Not for use on Stadium or Patriot lockers.

### Zee Base Kits

Single row zee bases kits include 1 long front zee base, 1 splice/ends, and 2 rear legs. Double row zee bases include 2 long front zee bases, 2 splice/ends, and 2 rear legs.

### Individual Closed Bases - 6" High

| Unit Width           | Unit Depth | Cat. No. |
|----------------------|------------|----------|
| Front Bases          |            |          |
| 9"                   | -          | 60216C   |
| 12"                  | -          | 60217C   |
| 15"                  | -          | 60218C   |
| 18"                  | -          | 60219C   |
| 24"                  | -          | 60220C   |
| End Bases Single Row |            |          |
| -                    | 12"        | 60204C   |
| -                    | 15"        | 60205C   |
| -                    | 18"        | 60206C   |
| -                    | 21"        | 60207C   |
| -                    | 24"        | 60208C   |
| End Bases Double Row |            |          |
| -                    | 24"        | 60209C   |
| -                    | 30"        | 60210C   |
| -                    | 36"        | 60211C   |

### Zee Bases - 72" Width

| Unit Width                 | Unit Depth | Unit Height | Cat. No. |
|----------------------------|------------|-------------|----------|
| Front Zee Bases            |            |             |          |
| 72"                        | -          | 4"          | 66700H   |
| Splice/End Base Single Row |            |             |          |
| -                          | 12"        | 4"          | 66701H   |
| -                          | 15"        | 4"          | 66702H   |
| -                          | 18"        | 4"          | 66703H   |
| -                          | 21"        | 4"          | 66704H   |
| -                          | 24"        | 4"          | 66705H   |
| Splice/End Base Double Row |            |             |          |
| -                          | 30"        | 4"          | 66707H   |
| -                          | 24"        | 4"          | 66706H   |
| -                          | 36"        | 4"          | 66708H   |
| Zee Inside Corner Splice   |            |             |          |
| -                          | -          | 4"          | 66709H   |
| Rear Leg for Zee Base      |            |             |          |
| -                          | -          | 4"          | 60092C   |

### Zee Bases Kits

| Unit Width | Unit Depth | Unit Height | Cat. No.   |
|------------|------------|-------------|------------|
| Single Row |            |             |            |
| 72"        | 12"        | 4"          | 6ZBS412KIT |
| 72"        | 15"        | 4"          | 6ZBS415KIT |
| 72"        | 18"        | 4"          | 6ZBS418KIT |
| 72"        | 21"        | 4"          | 6ZBS421KIT |
| 72"        | 24"        | 4"          | 6ZBS424KIT |
| 72"        | 12"        | 6"          | 6ZBS612KIT |
| 72"        | 15"        | 6"          | 6ZBS615KIT |
| 72"        | 18"        | 6"          | 6ZBS618KIT |
| 72"        | 21"        | 6"          | 6ZBS621KIT |
| 72"        | 24"        | 6"          | 6ZBS624KIT |
| Double Row |            |             |            |
| 72"        | 24"        | 4"          | 6ZBD424KIT |
| 72"        | 30"        | 4"          | 6ZBD430KIT |
| 72"        | 36"        | 4"          | 6ZBD436KIT |
| 72"        | 24"        | 6"          | 6ZBD624KIT |
| 72"        | 30"        | 6"          | 6ZBD630KIT |
| 72"        | 36"        | 6"          | 6ZBD636KIT |

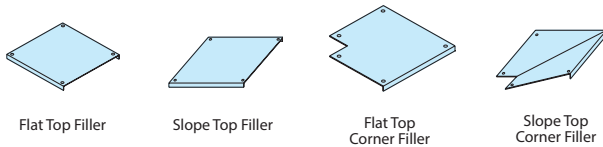
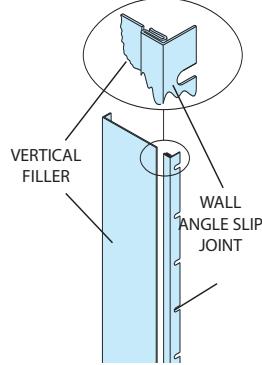
## Fillers

Penco provides standard fillers to adapt lockers to a wide range of field conditions and provide a professional, finished appearance. Fillers can be used to cover columns, pipes or other obstacles in a row of lockers, or fill the gap between the lockers and a wall.

**Vertical Fillers.** These come in three widths and are designed to be used in conjunction with Wall Angle Slip Joints for a solid fit and smooth finish. The slip joint conceals any raw edges caused by field cutting. Additional sizes are available. (Illustration at right.)

**Top Fillers.** Top Fillers cover gaps between tops of lockers. They overlap the locker tops and can be field cut to allow for pipes, etc. There are separate designs for flat top and slope top, and in-line vs. corner applications (illustration below).

Slope Top Fillers are not to be used with slope hoods. Slope Top Corner Fillers can be used with Slope Hoods or Unit Slope Tops



## Vertical Filler Kits

Vertical filler kits include 1 filler and 1 wall angle.

### Slope Top Corner Filler Kits

For use with continuous hood ONLY. Includes 1 slope top corner filler and 2 splices.

| Fillers for Welded GEN2 Lockers with 4" Channel Base - Kits |             |            |
|---|-------------|------------|
| Unit Width  | Unit Height | Cat. No.   |
| Welded GEN2 Filler Kits                                     |             |            |
| 5"  | 64"         | 661123-KIT |
|   | 76"         | 661124-KIT |
| 9"  | 64"         | 661125-KIT |
|   | 76"         | 661126-KIT |
| 12"   | 64"         | 661127-KIT |
|   | 76"         | 661128-KIT |

| Vertical Fillers       |             |          |
|------------------------|-------------|----------|
| Unit Width             | Unit Height | Cat. No. |
| Verticle Angles        |             |          |
| 5"                     | 36-1/2"     | 66190C   |
|                        | 48-1/2"     | 66191C   |
|                        | 60"         | 66112C   |
|                        | 66"         | 661222C  |
|                        | 72"         | 66115C   |
| 9"                     | 36-1/2"     | 66192C   |
|                        | 48-1/2"     | 66193C   |
|                        | 60"         | 66114C   |
|                        | 66"         | 66124C   |
|                        | 72"         | 66117C   |
|                        | 78"         | 66127C   |
| 12"                    | 36-1/2"     | 66194C   |
|                        | 48-1/2"     | 66195C   |
|                        | 60"         | 66113C   |
|                        | 66"         | 661221C  |
|                        | 72"         | 661141C  |
|                        | 78"         | 66116C   |
|                        | 90"         | 661173C  |
| Wall Angle Slip Joints |             |          |
| -                      | 36-1/2"     | 66200C   |
| -                      | 48-1/2"     | 66201C   |
| -                      | 60"         | 66118C   |
| -                      | 66"         | 66120C   |
| -                      | 72"         | 66119C   |
| -                      | 78"         | 66121C   |
| -                      | 90"         | 661212C  |

| Top Fillers             |            |          |
|-------------------------|------------|----------|
| Unit Width              | Unit Depth | Cat. No. |
| Flat Top Fillers        |            |          |
| 15"                     | 12"        | 661321C  |
|                         | 15"        | 661322C  |
|                         | 18"        | 661323C  |
| Slope Top Fillers       |            |          |
| 15"                     | 12"        | 661371C  |
|                         | 15"        | 661372C  |
|                         | 18"        | 661373C  |
| Flat Top Corner Fillers |            |          |
| 12"                     | 12"        | 66138C   |
| 15"                     | 15"        | 66139C   |
| 18"                     | 18"        | 66140C   |

| Vertical Filler Kits |             |            |
|----------------------|-------------|------------|
| Unit Width           | Unit Height | Cat. No.   |
| 20ga Kits            |             |            |
| 5"                   | 36-1/2"     | 66190-KIT  |
|                      | 48-1/2"     | 66191-KIT  |
|                      | 60"         | 66112-KIT  |
|                      | 66"         | 661222-KIT |
|                      | 72"         | 66115-KIT  |
| 9"                   | 36-1/2"     | 66192-KIT  |
|                      | 48-1/2"     | 66193-KIT  |
|                      | 60"         | 66114-KIT  |
|                      | 66"         | 66124-KIT  |
|                      | 72"         | 66117-KIT  |
|                      | 78"         | 66127-KIT  |
| 12"                  | 36-1/2"     | 66194-KIT  |
|                      | 48-1/2"     | 66195-KIT  |
|                      | 60"         | 66113-KIT  |
|                      | 66"         | 66221-KIT  |
|                      | 72"         | 661141-KIT |
|                      | 78"         | 66116-KIT  |
|                      | 90"         | 661173-KIT |

### Slope Top Corner Fillers - For use with Continuous Hood ONLY.

| Unit Width               | Unit Height | Cat. No. |
|--------------------------|-------------|----------|
| Slope Top Corner Fillers |             |          |
| 12"                      | 12"         | 66092C   |
| 13"                      | 13"         | 66093C   |
| 15"                      | 15"         | 66094C   |
| 16"                      | 16"         | 66095C   |
| 18"                      | 18"         | 66096C   |
| 19"                      | 19"         | 66097C   |
| 21"                      | 21"         | 66098C   |
| 24"                      | 24"         | 66099C   |

### Slope Top Corner Filler Kits - For use with Continuous Hood ONLY. Includes 1 slope top corner filler and 2 splices.

| Unit Width | Unit Height | Cat. No. |
|------------|-------------|----------|
| 20ga Kits  |             |          |
| 12"        | 12"         | 66100C   |
| 13"        | 13"         | 6HDX331C |
| 15"        | 15"         | 66101C   |
| 16"        | 16"         | 6HDX691C |
| 18"        | 18"         | 66102C   |
| 19"        | 19"         | 6STX071C |
| 21"        | 21"         | 66103C   |
| 24"        | 24"         | 66104C   |

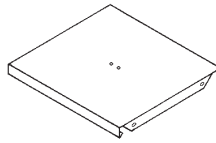
# Steel Lockers

## Accessories



### Extra Steel Locker Shelves

Extra locker shelves can be added to K.D. lockers to meet special user requirements. Most lockers have extra holes already punched into side panels for mounting. In some cases shelf mounting holes may need to be drilled. Please consult your Penco sales representative for shelf mounting requirements.



Pictured: Single Tier Vanguard Locker with 5 shelves.

### Recess Trim

Recess trim is 3" wide and bridges the gap between lockers and wall and/or soffits when the lockers are recessed into a wall. Side trim for left hand (LH) and right hand sides (RH) are different. Side Trim comes in three types: 1) for use with lockers with no legs, 2) with 6" legs and 3) for use with Bottom Recess Trim.

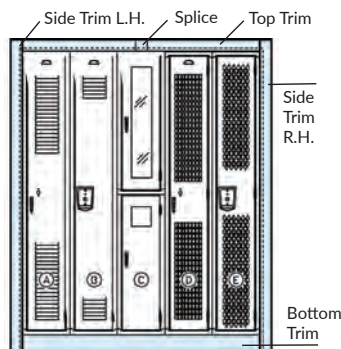
The soffit is to be constructed by general contractor. Face of soffit must be flush with face of locker. There should be 1" between top of locker and bottom of soffit. The recessed trim extends 3/8" from face of soffit.



| Recess Trim - 3" High |            |          |
|-----------------------|------------|----------|
| Unit Width            | Unit Depth | Cat. No. |
| Top Trim              |            |          |
| 74"                   | -          | 60456H   |
| Splice                |            |          |
| 2"                    | -          | 66105C   |
| Outside Corner Splice |            |          |
| 2"                    | 2"         | 66108C   |
| Bottom Trim           |            |          |
| 72"                   | -          | 60458C   |

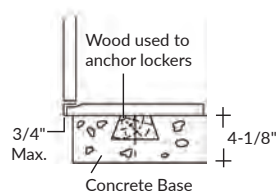
Front View of Locker with Recessed Trim

Lockers must be anchored to base (base and wood to be completed by General Contractor)

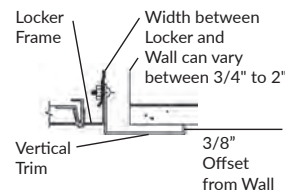


- A. Vanguard with recessed handle
- B. Fire extinguisher/waste bin door
- C. Vanguard w/optional visual perf
- D. Invincible II

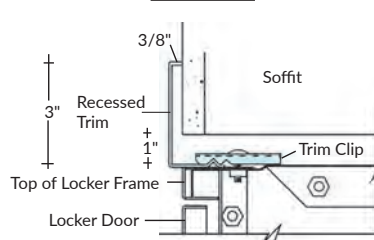
Example of Side View of Base and Anchor



Top View of 3" Vertical Trim R.H.

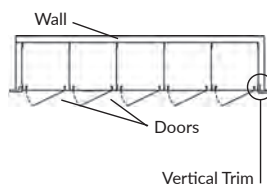


Side View of Top Recessed Trim



Top View of a Recessed Locker Grouping

Recessed Opening = Length of Locker Group (w/growth) + 3"

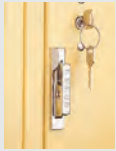


| Recess Side Trim - 3" Wide                          |          |
|---|----------|
| Unit Height   | Cat. No. |
| Side Trim - LH (Use with lockers that have No Legs) |          |
| 63"   | 60465C   |
| 75"   | 60469C   |
| 87"   | 60473C   |
| Side Trim - RH (Use with lockers that have No Legs) |          |
| 63"   | 60466C   |
| 75"   | 60470C   |
| 87"   | 60474C   |
| Side Trim - LH (Use with Top Trim & 6" Legs)        |          |
| 69"   | 60467C   |
| 81"   | 60471C   |
| 93"   | 60475C   |
| Side Trim - RH (Use with Top Trim & 6" Legs)        |          |
| 69"   | 60468C   |
| 81"   | 60472C   |
| 93"   | 60476C   |
| Side Trim - LH (Use with Top & Bottom Trim)         |          |
| 66"   | 60477C   |
| 78"   | 60479C   |
| 90"   | 60481C   |
| Side Trim - RH (Use with Top & Bottom Trim)         |          |
| 66"   | 60478C   |
| 78"   | 60480C   |
| 90"   | 60482C   |

# Steel Lockers

## Accessories

### Locking System Options



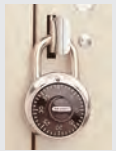
#### Built-in Key Locks

Available in flat key or grooved key models. Dead bolt and spring bolt construction. Reversible for LH & RH applications.



#### Built-in Combination Locks

Available with five combination changes for security year to year. Master key controlled. Stainless steel escutcheon plate. Use dead bolt models for all but box lockers, which use spring bolt. Available in LH & RH.



#### Combination Padlocks

Available with and without master keying. 3 number dialing. Rust resistant. Fits box lockers, Die-Cast Handles, recessed handles, cremone handles and basket racks.

Note: For proper fit and security, padlock shackle must have a diameter of 9/32" or 5/16" and a distance of .75" to .81" between the top of the case and the underside of the shackle when in the locked position.

### ADA Compliant Locks



#### Key Lock Model No. 6RQ1478

Just insert key (turning not required) and lift latch pull to open door.

#### Key Lock Model No. 9676A

Has an oversized keyhead to facilitate turning.

### Benches and Pedestals

A natural accessory for any locker room. Benches add permanent comfort and order to the floor plan arrangement.

Penco offers a choice of bench pedestal styles. Order two pedestals for standard benches 96" long or less; order three pedestals for benches over 96" long. The seat portion of ADA benches require a minimum of 4 pedestals, placed as shown in the photo of the Bench Bracket.

### Hardwood Bench Tops

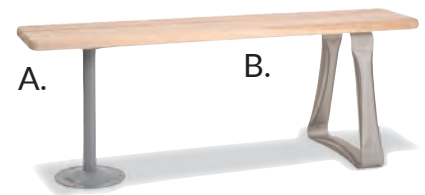
Exceptionally strong wood locker room benches finished with clear lacquer.

For ADA (Americans With Disabilities Act) compliant benches, use 16" or 18" deep bench backs and 20" or 24" deep seats plus Bench Brackets to support the backs. Order Pedestals separately.

| Bench Tops            |            |                |          |
|-----------------------|------------|----------------|----------|
| Unit Width            | Unit Depth | Unit Thickness | Cat. No. |
| Standard Bench Tops   |            |                |          |
| 36"                   | 9-1/2"     | 1-1/4"         | 9611     |
| 48"                   | 9-1/2"     | 1-1/4"         | 9600     |
| 48"                   | 12"        | 1-1/4"         | 9622     |
| 60"                   | 9-1/2"     | 1-1/4"         | 9601     |
| 72"                   | 9-1/2"     | 1-1/4"         | 9602     |
| 84"                   | 9-1/2"     | 1-1/4"         | 9603     |
| 96"                   | 9-1/2"     | 1-1/4"         | 9604     |
| 108"                  | 9-1/2"     | 1-1/4"         | 9605     |
| 120"                  | 9-1/2"     | 1-1/4"         | 9606     |
| 132"                  | 9-1/2"     | 1-1/4"         | 9607     |
| 144"                  | 9-1/2"     | 1-1/4"         | 9608     |
| ADA Compliant Benches |            |                |          |
| 42"                   | 16"        | 1-1/4"         | 9634     |
| 48"                   | 16"        | 1-1/4"         | 9635     |
| 42"                   | 18"        | 1-1/4"         | 9625     |
| 48"                   | 18"        | 1-1/4"         | 9628     |
| 42"                   | 20"        | 1-1/4"         | 9636     |
| 48"                   | 20"        | 1-1/4"         | 9632     |
| 42"                   | 24"        | 1-1/4"         | 9624     |
| 48"                   | 24"        | 1-1/4"         | 9623     |

### A. Heavy Duty Bench Pedestal

16-1/4" high pedestal consists of a heavy duty steel tube welded to top and bottom flanges. Hardware for fastening to the bench only is included. Pedestal must be anchored to the floor. Order two or more per standard bench; four or more for ADA compliant bench. Available for quick shipment in 028 Gray and 073 Champagne. Available on production schedules in all standard colors. Cat. No. 60822H

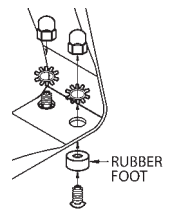


### B. Stainless Steel Free Standing Pedestal

This pedestal has a 14" wide base which allows for moveable free standing use. Holes in the bottom are provided for optional floor anchoring or for attachment of non-skid bumpers (see below). Hardware is supplied for fastening to the bench top. Height is 16-1/4". Cat. No. 60827H each.

### Non-Skid Pedestal Kit for Stainless Steel Pedestal

Rubber non-skid bumpers to prevent damage to floors. Consists of set of 4 non marking rubber feet and fastening hardware. Order 1 kit per pedestal. Cat. No. 68420



### Bench Bracket for Back of ADA Benches

For attaching 16" or 18" backrest to 20" or 24" deep benches for ADA use. Sturdy steel construction. Order a minimum of 2 per back. Size is 19" x 19" x 2". Hardware included. Cat. No. 6ACXHP61H

### Mirror

Made of acrylic plastic that will not break in normal usage. Mirror has an adhesive backing for easy installation. Size is 6" wide x 8" high. Cat. No. 96370



## Fire Extinguisher Door and Waste Bin Door



Lockers can be designated to contain a fire extinguisher door and/or a waste receptacle. The opening on the fire extinguisher door is glazed with wire-reinforced glass.

Waste bin doors have a cut-out with an internal flap and a top spring-loaded hinge to keep the opening closed when not being used. There is a small metal chute inside the door to direct the waste to a waste container (container is not included).

These items are typically ordered in 12" or 15" wide 1 and 2 tier lockers. If recessed handles are used, the width must be a minimum of 15" wide. Locks should not be used on fire extinguisher doors or waste bin doors.

## Food Industry Lockers

For ease of cleaning beneath lockers, leg extensions increase the 6" height to 16". Order as piece parts or in a kit specially designed for 18" deep lockers. Kits include supports for a hardwood bench (order bench separately). Lockers must have standard 6" legs. Not for use with Welded Gen2, Stadium, or Patriot lockers.



| Food Industry Locker Conversion |            |             |          |
|---------------------------------|------------|-------------|----------|
| Unit Width                      | Unit Depth | Unit Height | Cat. No. |
| Kits, 18" Depth                 |            |             |          |
| 1 Wide                          | -          | 16"         | 64001    |
| 3 Wide                          | -          | 16"         | 64003    |
| Rear Leg                        |            |             |          |
| -                               | -          | 16"         | 65540H   |
| Bench Support                   |            |             |          |
| -                               | 18"        | -           | 65541H   |
| End Front Leg                   |            |             |          |
| -                               | -          | 16"         | 65542H   |
| Intermediate Front Leg          |            |             |          |
| -                               | -          | 16"         | 65543H   |

# Shoulder Pads & Helmet Racks

Trouble with damp shoulder pads and helmets?  
Penco has the solution!

Order locker separately.  
Lockers shown to the right are only  
to show how the rack mounts on top.



Easy to mount



Drill 6 holes to existing  
locker tops



Reduces germs and odors by keeping shoulder  
pads and helmets dry

Part Number - 6ACXIA145H

Weight - 4 pounds each



### Basket Racks

| Cat. #  | Unit Width | Unit Depth | Unit Height | Per | Wt    | Pkg |
|---|------------|------------|-------------|-----|-------|-----|
| <b>9" Wide Baskets, 4 Baskets Wide X 7 Baskets High = 28</b>  |            |            |             |     |       |     |
| 65910   | 40"        | 13"        | 70"         | Ea. | 113.0 | LPP |
| <b>9" Wide Baskets, 4 Baskets Wide X 8 Baskets High = 32</b>  |            |            |             |     |       |     |
| 65930   | 40"        | 13"        | 79"         | Ea. | 129.0 | LPP |
| <b>12" Wide Baskets, 3 Baskets Wide x 7 Baskets High = 21</b> |            |            |             |     |       |     |
| 65800   | 40"        | 13"        | 70"         | Ea. | 110.0 | LPP |
| <b>12" Wide Baskets, 3 Baskets Wide x 8 Baskets High = 24</b> |            |            |             |     |       |     |
| 65830   | 40"        | 13"        | 79"         | Ea. | 123.0 | LPP |

### Caster Support

Order 4 per set of casters

| Cat. # | NET PRICE | Per | Wt  | Pkg |
|--------|-----------|-----|-----|-----|
| 65840C | 5.05      | Ea. | 2.0 | LPP |

### Caster Set for Basket Racks

For attachment to legs of basket racks. Priced as set of 4 swivel type casters. For double-faced racks, use 1 set of 4. Adds 5-1/5" to height of rack. Order 4 "caster supports" #65840C separately is required.

| Cat. # | Unit Width | Unit Depth  | Per | Wt  | Pkg |
|--------|------------|-------------|-----|-----|-----|
| 9650H  | 3"         | 3 inch Dia. | Set | 5.0 | LPP |

### All Wire Baskets

Number plates for baskets must be order separately. Sequence must be specified

| Cat. # | Unit Width | Unit Depth | Unit Height | Per | Wt  | Pkg |
|--------|------------|------------|-------------|-----|-----|-----|
| 9621   | 9"         | 13"        | 8"          | Ea. | 2.0 | LPP |
| 9620   | 12"        | 13"        | 8"          | Ea. | 2.0 | LPP |

## Vanguard™ Lockers (Knocked Down)

### PART 1 – GENERAL

#### 1.01 SECTION INCLUDES

Standard 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.

**Greenguard:** Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.03 STANDARD 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:**

**Recessed Handle:** Classic III Multi-point latching with recessed handle activated by a finger-lift control handle in a 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.

**Die-Cast Handle:** 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 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.

**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 Tier: Hat shelf 48 inches from locker bottom or lower as required by base condition. Double Tier: Only bottom opening, a shelf placed 15 inches off the floor or lower as required by base condition.

#### 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.

**Alternative finishes:** Custom color match, Anti-Graffiti or Anti-Microbial 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.

Full MasterFormat Specifications can be found on pencoproducts.com.



## Guardian™ Lockers (Knocked Down)

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

Standard 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.

**Greenguard:** Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.03 STANDARD LOCKERS

**Acceptable Product:** Penco Guardian, 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.

**Ventilation:** Flush door front with no exposed louvers and air flow slots located in top and bottom flanges of door.

**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:

Classic III Multi-point latching with recessed handle activated by a finger-lift control handle in a 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 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.

#### 2.05 INTERIOR EQUIPMENT

**ADA-Compliant Lockers:** Single Tier: Hat shelf 48 inches from locker bottom or lower as required by base condition. Double Tier: Only bottom opening, a shelf placed 15 inches off the floor or lower as required by base condition.

#### 2.06 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.

**Alternative finishes:** Custom color match, Anti-Graffiti or Anti-Microbial 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.

### DOOR OPTIONS

**Guardian Medallion:** Doors will include sound-deadening material enclosed in a 3 inch wide partial height pan welded to inside face of door.

**Guardian Plus:** Locker doors are fabricated from 14 gauge sheet steel.

Penco Products, Inc. reserves the right to vary specifications consistent with a policy of continuous product improvement.

Full MasterFormat Specifications can be found on [pencoproducts.com](http://pencoproducts.com).

## Guardian Defiant™ II Single Point Latch (SPL)

### PART 1 – GENERAL

#### 1.01 SECTION INCLUDES

Standard 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.

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** All All Penco standard lockers are constructed using prime grade steel free from surface imperfection suitable for powder coating. Alternate material: Prime grade steel shall be fabricated using galvanized steel and finished in the same manner. Forged steel coat hooks with ball ends and truss fin head bolts and hex nuts will be zinc coated and supplied for all lockers unless otherwise indicated.

#### 2.03 STANDARD LOCKERS

**Acceptable Product:** Penco Guardian Defiant II, knock-down lockers. Tops, Bottoms, Backs, Sides, and Shelves fabricated from 24 gauge sheet steel. Locker doors are fabricated from 14 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.

**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:** Flush door front with no exposed louvers and air flow slots located in top and bottom flanges of door.

**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

**Latching:** Defiant II single point latching with recessed 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.

**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: (Recessed Handles with Multi-Point Latch): Single Tier: Hat shelf 48 inches from locker bottom or lower as required by base condition. Double Tier: Only bottom opening, a shelf placed 15 inches off the floor or lower as required by base condition.

#### 2.06 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.

**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.

Penco Products, Inc. reserves the right to vary specifications consistent with a policy of continuous product improvement.

Full MasterFormat Specifications can be found on [pencoproducts.com](http://pencoproducts.com).

## Invincible II™ Lockers (Knocked Down)

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

Heavy 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.

**Greenguard:** Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.03 HEAVY DUTY LOCKERS

**Acceptable Product:** Penco Invincible II, knocked-down lockers. Tops, Bottoms, Sides, and Shelves shall be fabricated from 16 gauge and backs from 18 gauge sheet steel. Locker doors shall be 14 gauge. 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.

**Ventilation:** 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:** 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

**1, 2 and 3 Tier Featuring Multi-point Latching:** Classic III Multi-point latching with recessed handle activated by a finger-lift control handle in a 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 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.

**4-9 Tier 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 Tier: Hat shelf 48 inches from locker bottom or lower as required by base condition. Double Tier: Only bottom opening, a shelf placed 15 inches off the floor or lower as required by base condition.

#### 2.06 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 or Anti-Microbial 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.

Penco Products, Inc. reserves the right to vary specifications consistent with a policy of continuous product improvement.

Full MasterFormat Specifications can be found on [pencoproducts.com](http://pencoproducts.com).

## Invincible II Defiant II™ Single Point Latch (SPL)

### PART 1 – GENERAL

#### 1.01 SECTION INCLUDES

Standard 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.

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** All All Penco standard lockers are constructed using prime grade steel free from surface imperfection suitable for powder coating. Alternate material: Prime grade steel shall be fabricated using galvaneal steel and finished in the same manner. Forged steel coat hooks with ball ends and truss fin head bolts and hex nuts will be zinc coated and supplied for all lockers unless otherwise indicated.

#### 2.03 STANDARD LOCKERS

**Acceptable Product:** Penco Invincible II Defiant II, knocked down lockers. Tops, Bottoms, Sides, and Shelves shall be fabricated from 16 gauge and backs from 18 gauge sheet steel. Locker doors shall be 14 gauge. 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.

**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:** Doors and locker sides as standard have 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamondshaped perforations. Doors less than 20 inches tall have 7/16 inch (11 mm) wide by 15/16 inch (24 mm) high diamond-shaped perforations. Both doors and sides are available as solid as a no charge option.

**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 Single Point Latching:** Defiant II single point latching with recessed 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.

**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: (Recessed Handles with Multi-Point Latch):** Single Tier: Hat shelf 48 inches from locker bottom or lower as required by base condition. Double Tier: Only bottom opening, a shelf placed 15 inches off the floor or lower as required by base condition.

#### 2.06 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.

**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.

Penco Products, Inc. reserves the right to vary specifications consistent with a policy of continuous product improvement.

Full MasterFormat Specifications can be found on [pencoproducts.com](http://pencoproducts.com).

## Welded Gen2™ Lockers

### 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.

**Greenguard:** Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.03 HEAVY DUTY LOCKERS

**Acceptable Product:** Penco Welded Gen2 lockers. Tops, Bottoms, Sides, and Shelves shall be fabricated from 16 gauge and backs from 18 gauge sheet steel. Locker doors shall be 14 gauge.

**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.

**Ventilation:** 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 finger-lift control handle in a 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 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.

**4-9 Tier 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 (Recessed Handles with Multi-Point Latch):** Single Tier: Hat shelf 48 inches from locker bottom or lower as required by base condition. Double Tier: Only bottom opening, a shelf placed 15 inches off the floor or lower as required by base condition.

#### 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.

**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 or Anti-Microbial 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.

Penco Products, Inc. reserves the right to vary specifications consistent with a policy of continuous product improvement.

Full MasterFormat Specifications can be found on [pencoproducts.com](http://pencoproducts.com).

## Welded Gen2 Defiant™ II Single Point Latch (SPL)

### PART 1 – GENERAL

#### 1.01 SECTION INCLUDES

Standard 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.

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** All All Penco standard lockers are constructed using prime grade steel free from surface imperfection suitable for powder coating. Alternate material: Prime grade steel shall be fabricated using galvanized steel 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 LOCKERS

**Acceptable Product:** Welded GEN2 lockers. Tops, Bottoms, Sides, and Shelves shall be fabricated from 16 gauge and backs from 18 gauge sheet steel. Locker doors shall be 14 gauge.

**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.

**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:** Doors and locker sides as standard have 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamondshaped perforations. Doors less than 20 inches tall have 7/16 inch (11 mm) wide by 15/16 inch (24 mm) high diamond-shaped perforations. Both doors and sides are available as solid as a no charge option.

**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 Single Point Latching:** Defiant II single point latching with recessed 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.

**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: (Recessed Handles with Multi-Point Latch):** Single Tier: Hat shelf 48 inches from locker bottom or lower as required by base condition. Double Tier: Only bottom opening, a shelf placed 15 inches off the floor or lower as required by base condition.

#### 2.06 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.

**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.

Penco Products, Inc. reserves the right to vary specifications consistent with a policy of continuous product improvement.

Full MasterFormat Specifications can be found on [pencoproducts.com](http://pencoproducts.com).

## Steel Locker Accessories (Welded Gen2, Vanguard, Guardian, and Invincible II)

**Closed Bases:** Provide 18 gauge closed metal front and end bases on knocked down lockers having legs. Front bases shall be installed between legs without overlap or exposed fasteners. Provide end bases on exposed ends. Bases shall be finished to match lockers.

**Locks:** (Specify lock brand if desired, location and locker type if appropriate.) All locks shall have bolt types appropriate to the mode of locker operations.

**Built-In Flat Key Locks:** Lockers shall be equipped with built-in flat key type locks. All locks shall be master keyed to the same series. Provide two (2) keys for each lock and two (2) master keys for the system.

**Built-In Grooved Key Locks (Pin Tumbler):** Lockers shall be equipped with built-in grooved key type locks. All locks shall be master keyed to the same series. Provide two (2) keys for each lock and two (2) master keys for the system.

**Built-in Combination Locks:** Lockers shall be equipped with built-in combination locks. Locks shall have three-number combination dialing and be capable of at least five different combination changes. Master key, combination change key, if required, and combination control charts shall be provided to the owner.

**Padlocks-Combination Type:** Master keyed combination type padlocks shall be provided for all locker doors. Locks shall have three-number combination dialing. Master key shall be provided to the owner.

**Coin Operated Locks:** (Certain locker types and sizes will not accept coin locks; verify with locker manufacturer). Coin operated locks shall be provided for lockers. Locks shall be (select one): Coin return/deposit type; Coin collect/pay type; Coin fee shall be (select one): One (1) Quarter; Two (2) Quarters.  
Locks are to be installed on lockers using security-type machine screws.

**Visual Perforation 16 Ga. & 18 Ga.:** Locker doors shall be provided with 5/8" x 1-1/8" rectangular visual perforations.

**Round Perforation:** 24 gauge (Backs, Sides, Tops, Bottoms or Shelves) are to be punched with 1/2" diameter perforations

grouped in 42 hole patterns. (For sides and backs, specify full perforations for maximum number of holes in the part, or standard perforations consisting of one group top and bottom in single-tier; one group each compartment in double-tier or box lockers).

**Fire Extinguisher Door:** Lockers designated on drawings to contain fire extinguisher shall be double tier type with upper door to have a glazed opening. Locks are to be omitted on fire extinguisher doors.

**Waste Bin Doors:** Lockers designated on drawings to contain waste bins shall be provided with a door cut-out with a top hinged internal flap door over the cut-out. Locks are to be omitted on waste bin doors.

**Center Partitions:** Lockers shall have 24 gauge, full depth, vertical partitions between bottom and shelf.

**Recess Trim:** Vertical and/or horizontal recessed trim shall be provided where shown. Trim shall be formed from 18 gauge sheet steel and have a 3" face dimension. Trim shall be furnished in standard lengths as long as practical and attached to lockers with concealed clips. Finish caps and splices shall be provided as required. Trim shall be finished to match lockers.

**Zee Bases:** Knocked down lockers shall be furnished with 4" high or 6" high 14 gauge zee base flanged outward at top for support of lockers and inward at bottom for anchoring to the floor. Not for use for Stadium and Welded Lockers.

**Front Filler:** Fillers for spaces between lockers or between lockers and a wall shall be fabricated from 20 gauge sheet steel and formed in an angle shape. Slip joint angles shall be 20 gauge sheet steel formed in an angle shape with a slot on one leg to form a pocket which provides adjustable mating with the angle filler. Attachment shall be by means of concealed fasteners. Fillers shall be finished to match lockers.

**Exposed Locker Sides:** Shall be furnished in 16 gauge without any extra holes.

**Boxed Finished End Panels:** Boxed finished end panels shall be installed on all exposed ends of lockers. They shall be formed from minimum 16 gauge sheet steel to match locker depth and height, and shall have a 1" edge dimension. All panels shall be installed with concealed fasteners. Panels shall be finished to match lockers.

**Continuous Slope Hood:** Lockers shall be provided with continuous slope hoods formed from 18 gauge sheet steel with a slope that has a rise equal to 1/3 of the locker depth (18-1/2"), plus a 1" vertical rise at the front. Tops shall be provided in lengths as long as practical. Provide slip joints without visible fasteners at splice locations.

Necessary end closures shall be provided. Tops shall be finished to match lockers.

### Unit Slope Tops Vanguard and Guardian Lockers:

Lockers shall be provided with 24 gauge individual sloping tops. Tops shall be formed to a slope which rises 1/3 of the locker depth. Tops shall be finished to match lockers.

**Benches:** Locker benches shall be laminated selected hardwood, 1-1/4" full finished thickness. All corners are to be rounded and sanded. Surfaces shall be finished with two coats of clear lacquer. Bench tops are to be 9-1/2" wide and furnished in lengths of 3' through 12' (even foot increments).

**Heavy Duty Bench Pedestal:** Pedestals shall consist of steel tubing with 11 gauge steel flanges welded to each end. The overall height of pedestal shall be 16-1/4". Pedestals are to be finished to match the lockers.

**Stainless Steel Free Standing Bench Pedestal:** Shall be 2" diameter brushed 16 ga. stainless steel formed into a trapezoid. Bottom shall be 14" wide with two 5/16" diameter holes. Pedestal shall be 16-1/4" high for an overall bench height of 17-1/2". Top flange shall have four 5/16" diameter holes for fastening to the bench. Bench can be moveable or may be anchored.

## Defiant II™ Single Point Latch Lockers

When specifying Guardian, Welded Gen2, Invincible II, Angle Iron or Patriot® lockers with Defiant II Single Point Latch doors, substitute the following specifications for the "Door Handle & Latching ..." section referring to 1-tier to 3-tier doors.

**Doors:** All doors shall be formed from 14 gauge steel. Formations shall be channel shape on the hinge and latch sides, and right angle formations across the top and bottom. Top and bottom flanges shall have one 90 degree bend. The latch side formation shall include a slot to fully engage an additional anti-pry lug integral with the padlock hasp limiting motion in any direction. On doors measuring 12" through 18" wide, additional reinforcement shall be in the form of a vertical 18 gauge pan measuring 3-1/2" wide MIG-welded to the top and bottom flanges and hinge side channel, with an additional 1/2" flange spot welded a maximum of 8" on center to the door skin to maximize door rigidity. Doors measuring more than 18" wide shall be reinforced using a 20 gauge horizontal box pan MIG-welded a maximum of 8" on center to the hinge and latch side channels, and spot welded to the door skin a maximum of 8" on center along the upper and lower pan edge for optimum strength, quiet operation and stiffness. Door shall be manufactured to allow ventilation and stiffness.

**Hinge:** 16 gauge continuous hinges (full length of the door) are welded to the door and riveted to the frame.

**Door Handle & Latching 1, 2 & 3 Tier:** Handles shall be recessed in the door. The formed pocket shall be brushed stainless steel securely fastened to the door with two lugs plus a positive tamper resistant fastener. The pocket shall be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. An anti-pry lock alignment bracket shall be supplied for use with built-in combination locks to facilitate installation, adjustment and to increase resistance to prying by mechanically engaging the hasp assembly. A lock hole cover plate shall be provided for use with padlocks. All pockets shall be drawn stainless steel for superior strength. Door pull shall be formed in the pocket. Pocket and pull shall be integral. Doors shall have a catch to retain unlocked doors in the closed position. Locking shall be accomplished by an 11 gauge lug welded to the locker frame. The lug shall include a surface for the bolt of a built-in combination or key lock to engage. A padlock staple shall protrude through the pocket. The hasp assembly shall include an additional lug that mechanically engages a slot on the latch side door formation preventing the spreading of the door from the frame channel. A separate bracket shall be field installed to brace the lock hasp assembly against the locker side to prevent twisting of the frame. Rubber door silencers shall be firmly attached to the locker frame.

Penco Products, Inc. reserves the right to vary specifications consistent with a policy of continuous product improvement.

Full MasterFormat Specifications can be found on [pencoproducts.com](http://pencoproducts.com).

Defiant II 1-tier lockers with built-in combination locks, finished end panels and custom flat tops.

### The Single Point Alternative

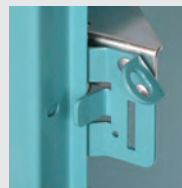
- Greater tamper resistance
- Increased rigidity
- Improved Performance with built-in locks

The Defiant II Single Point Latch (SPL) option 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.

Doors are stiffened with either a vertical or horizontal pan, as shown at the right.

Doors that have any type of perforations including louvers will require the perforations/louvers to be modified from the standard patterns and sizes to allow for either type of pan to be used. Contact a Penco representative for details.



For KD Lockers



For Welded Lockers



Vertical Pan



Horizontal Pan



#### Anti-Pry/Lock Alignment Bracket

Defeats prying attempts by capturing the door flange and preventing separation from the door channel.



#### Side Stiffener

This full-depth stiffener prevents frame channel and side-sheet torquing during break-in attempts. For use at left ends of 24 gauge Guardian K.D. bodies of 1 & 2 tier lockers with combination locks only.



Defiant II 2-tier Welded Gen2 lockers with slope hoods, boxed finished end panels and custom bases & benches.





## Fully Framed Stadium™ Lockers (Knocked Down)

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

Heavy Duty Knocked Down Fully Framed Stadium Open Front 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. For each product specified, two complete sets of color chips representing manufacturer's full range of available colors and finishes.

#### 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

Acceptable Manufacturer is Penco Products, Inc. which is located at 1820 Stonehenge Dr., Greenville, NC 27858.

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** All Penco standard lockers are constructed using prime grade steel free from surface imperfection capable of taking high grade enamel finish. Sheet steel components shall be zinc coated and free from surface imperfection and capable of taking high grade enamel finish. 13 gauge Expanded Metal Divisions that meet or exceed ASTM A1008/A1008M captured on all sides by the tubular shaped frame assembly. Self-tapping screws and rivets. Provide only metal lockers that conform to Made in US regulations.

#### 2.03 HEAVY DUTY OPEN FRONT PERSONAL EQUIPMENT LOCKERS

**Heavy Duty Lockers:** All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**Locker Body Construction:** Steel specially formed for added strength and rigidity and to ensure tight joints at fastening points. Bottoms, tops and shelves made from 16 gauge steel. Sides are either 16 gauge solid or will be 16 gauge with diamond perforations (on 72 inch high only). Backs are solid 18 gauge steel; one piece. Tops and bottoms with four sides formed at 90 degrees,

welded to the fully framed channel with cast corner pieces. Channel Base is 4 inches or 6 inches high, made from 14 gauge sheet forming a "C" channel attached to locker bottom. Shelves with four sides formed to 90 degrees, front and back edge having a second bend. Locker body is tubular frame construction with cast steel interlocks to provide a true fully framed locker body construction. Hole spacing in locker body not exceeding 3 inches. Optional factory assembly of lockers (welded version only).

#### 2.04 INTERIOR EQUIPMENT

**Heavy Duty Fully Framed Stadium Lockers Without Doors:** Shelf located approximately 13 inches (330 mm) below top of locker. Hooks- two heavy duty single prong hooks with a diameter of 0.276 inches, mounted to shelf and designed to accept a coat rod and two single prong hooks with a diameter of 0.187 inches in rear, mounted to shelf.

**Interior Equipment Options:** Optional security box; 16 gauge lockable door with a 16 gauge side panel. The door is attached to the welded frame of the security box using a two-point hinge. The door is locked through a single point latch with a padlock or built in lock. A door pull shall be provided for use with padlocks. Security box door frame to be not less than 16 gauge formed to a channel shape. Vertical members to have an additional flange to provide a continuous door strike. 9 inch wide security box on 18 inch wide Stadium locker and 12 inch wide security box on 24 inch wide Stadium locker. Optional footlocker; recessed from locker frame. Front foot locker panel includes single point latch with padlock strike plate and vertical slots. 14 gauge lid of footlocker has a continuous hinge and also serves as a seat. Opening and closing of the lid is quieted by rubber bumpers mounted to the contact points. The seat lid is strengthened with two reinforcement channels welded to bottom. Lid/seat is supported by mounting side rails attached to the vertical posts. Optional coat rods using coat rod hooks mounted to shelf.

#### 2.05 ACCESSORIES

(See Full Product Specifications)

#### 2.06 FABRICATION

Fabricate lockers with fully framed construction, 8 male/female insertion points to provide the fully framed locker body, square, rigid, without warp, with metal faces flat and free of distortion. Fabricated on the unit principle, each locker with individual

door and frame, individual top, bottom, back and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes releasing VOC's and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color. Standard coating thickness is 1 to 1.2 mils (0.025 to 0.03 mm) dry film thickness minimum. Powder Coat Plus option is 2 to 2.2 mils (.05 to .055 mm). Colors as selected from manufacturer's standard colors.

**Alternative finishes:** Custom color match, Anti-Graffiti or Anti-Microbial 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and wall at intervals of 36 inches (0.914 m) or less, as recommended by manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops 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.

#### 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.

## Fully Framed Stadium™ Lockers (Welded)

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

Heavy Duty Welded Fully Framed Stadium Open Front 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. For each product specified, two complete sets of color chips representing manufacturer's full range of available colors and finishes.

#### 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

Acceptable Manufacturer is Penco Products, Inc. which is located at 1820 Stonehenge Dr., Greenville, NC 27858.

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** All Penco standard lockers are constructed using prime grade steel free from surface imperfection capable of taking high grade enamel finish. Sheet steel components shall be zinc coated and free from surface imperfection and capable of taking high grade enamel finish. 13 gauge Expanded Metal Divisions that meet or exceed ASTM A1008/A1008M captured on all sides by the tubular shaped frame assembly. Self-tapping screws and rivets. Provide only metal lockers that conform to Made in US regulations.

#### 2.03 HEAVY DUTY OPEN FRONT PERSONAL EQUIPMENT LOCKERS

**Heavy Duty Lockers:** All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**Locker Body Construction:** Welded Shell. Steel specially formed for added strength and rigidity and to ensure tight joints at fastening points. Bottoms, tops and shelves made from 16 gauge steel. Sides are either 16 gauge solid or will be 16 gauge with diamond perforations (on 72 inch high only). Backs are solid 18 gauge steel; one piece. Tops and bottoms with four

sides formed at 90 degrees, welded to the fully framed channel with cast corner pieces. Channel Base is 4 inches or 6 inches high, made from 14 gauge sheet forming a "C" channel attached to locker bottom. Shelves with four sides formed to 90 degrees, front and back edge having a second bend. Locker body is welded shell with tubular framed construction with cast steel interlocks to provide a true fully framed locker body construction. Hole spacing in locker body not exceeding 3 inches. Factory assembly of lockers.

#### 2.04 INTERIOR EQUIPMENT

**Heavy Duty Fully Framed Stadium Lockers Without Doors:** Shelf located approximately 13 inches (330 mm) below top of locker. Hooks- two heavy duty single prong hooks with a diameter of 0.276 inches, mounted to shelf and designed to accept a coat rod and two single prong hooks with a diameter of 0.187 inches in rear, mounted to shelf.

**Interior Equipment Options:** Optional security box; 16 gauge lockable door with a 16 gauge side panel. The door is attached to the welded frame of the security box using a two-point hinge. The door is locked through a single point latch with a padlock or built in lock. A door pull shall be provided for use with padlocks. Security box door frame to be not less than 16 gauge formed to a channel shape. Vertical members to have an additional flange to provide a continuous door strike. 9 inch wide security box on 18 inch wide Stadium locker and 12 inch wide security box on 24 inch wide Stadium locker. Optional footlocker; recessed from locker frame. Front foot locker panel includes single point latch with padlock strike plate and vertical slots. 14 gauge lid of footlocker has a continuous hinge and also serves as a seat. Opening and closing of the lid is quieted by rubber bumpers mounted to the contact points. The seat lid is strengthened with two reinforcement channels welded to bottom. Lid/seat is supported by mounting side rails attached to the vertical posts. Optional coat rods using coat rod hooks mounted to shelf.

#### 2.05 ACCESSORIES

(See Full Product Specifications)

#### 2.06 FABRICATION

Fabricate lockers with fully framed construction, 8 male/female insertion points to provide the fully framed locker body, square, rigid, without warp, with metal faces flat and free of distortion. Fabricated on the unit principle, each locker with individual door and frame, individual top, bottom,

back and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes releasing VOC's and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color. Standard coating thickness is 1 to 1.2 mils (0.025 to 0.03 mm) dry film thickness minimum. Powder Coat Plus option is 2 to 2.2 mils (.05 to .055 mm). Colors as selected from manufacturer's standard colors.

**Alternative finishes:** Custom color match, Anti-Graffiti or Anti-Microbial 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and wall at intervals of 36 inches (0.914 m) or less, as recommended by manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops and metal fillers using condealed 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.

#### 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.

## **PATRIOT** Fully Framed TA-50 Locker (Knocked Down)

### **PART 1 - GENERAL**

#### **1.01 SECTION INCLUDES**

Heavy Duty Knocked Down TA-50 Lockers

#### **1.02 REFERENCES**

ADAAG - Americans with Disabilities Act, Accessibility Guidelines.

#### **1.03 SUBMITTALS**

Submit under provisions of Section 01 33 00. Shop Drawings: Show the following: Dimensioned drawings including plans, elevations, and sections to show locker locations and interfaces with adjacent substrates. Details of assembly, erection, anchorage and clearance requirements. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and finishes.

#### **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**

Acceptable Manufacturer: Penco Products, Inc., which is located at: 1820 Stonehenge Drive, Greenville, NC 27858; Tel: 800-562-1000; Fax: 800-248-1555; Email: general@pencoproducts.com; Web: www.pencoproducts.com .

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### **2.02 MATERIALS**

**Steel:** Prime grade mild cold-rolled sheet steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A1008. Sheet steel components shall be fabricated using zinc-coated steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A653. Flattened Expanded Metal Divisions that meets or exceeds ASTM A1008/A1008M, captured on all sides by the tubular shaped frame assembly. Self-Tapping Screws and Rivets. Provide only metal lockers that conform to Made in US regulations.

#### **2.03 HEAVY DUTY PERSONAL TA-50 LOCKERS**

**Heavy Duty Lockers:** All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**Locker Body Construction:** Bottoms, Tops, and Shelves: 16-gauge steel. Sides: 16-gauge solid sides, Flattened expanded metal. Backs: Solid 18-gauge steel. One-piece. Doors: 14-gauge steel. Standard

Ventilation: 6-inch (152.4 mm) wide by 3/4" high (19.05 mm) high horizontal louvers arranged two groups of 6. Optional Ventilation: 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamond-shaped perforations. Optional Ventilation: Solid. Tops and bottoms with four sides formed at 90 degrees welded to the fully- framed channel with cast corner pieces. Channel Base: 4-inch or 6-inch high. 14-gauge sheet forming a "C" channel attached to locker bottom. Shelves with four sides formed to 90 degrees, front and back edge having a second bend. Locker Body Construction: Tubular frame construction with cast steel interlocks provide a true fully framed locker body construction. Hole spacing in locker body construction: Not exceeding 3-inches. For factory assembly order Welded version.

**Doors:** One piece sheet steel with holes for attaching number plates.

**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**

**Single Tier Lockers:** Ultra Cremona Recessed Handle engages the door frame on three sides. The top and bottom frames are engaged with 0.375 inch (9.5 mm) steel rods, and a 0.25 x 0.36-inch-thick center latch engages at the side or left door. Locate handle in the formed stainless steel pocket. 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 the pocket using a guided channel. Pocket is secured to the door in two places. All door configurations delivered knocked down will have doors shipped separately for attachment on site using supplied hardware. Door shall be reinforced using a 20-gauge horizontal box pan MIG-welded a maximum of 8" on center to the hinge and latch side channels, and spot welded a maximum of 8" on center to the door skin along the upper and lower pan edge for optimum strength, quiet operation and stiffness. Firmly secure rubber silencers to locker frame.

**ADA Compliant:** Ultra Cremona Recessed Handle mechanism should be ADA complaint requiring no twisting, pinching or tight grasping and is operable using less than 5lbs of force.

#### **2.05 INTERIOR EQUIPMENT**

**Heavy Duty TA-50 Lockers with Doors:** Single Tier 78 inches (1981 mm): Shelf located approximately 13 inches (330 mm) below top of locker. Two heavy-duty single prong hooks with diameter of 0.276 inches mounted to shelf and will accept a coat rod. Two single prong hooks with a diameter of 0.187 inches in rear mounted to shelf.

### **2.06 ACCESSORIES**

(See full product specifications.)

### **2.07 FABRICATION**

Fabricate lockers with fully framed construction, 8 male/female tubular insertion points to provide the fully framed locker body, square, rigid, without warp, with metal faces flat and free of distortion. Fabricate lockers on the unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes containing volatile organic compounds and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color. Powder Coat - Dry Thickness: 1 to 1.2 mils (0.025 to 0.03 mm). Powder Coat Plus - Dry Thickness: 2 to 2.2 mils (0.05 to 0.055 mm). Color: As selected from manufacturer's standard colors.

**Special Finishes:** Custom color match, Anti-Graffiti, Anti-Microbial, 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and/or wall as recommended by the manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops 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.

## **PATRIOT** Fully Framed TA-50 Locker (Welded)

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

Heavy Duty Welded TA-50 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

Acceptable Manufacturer: Penco Products, Inc., which is located at: 1820 Stonehenge Drive, Greenville, NC 27858; Tel: 800-562-1000; Fax: 800-248-1555; Email: general@pencoproducts.com; Web: www.pencoproducts.com

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** Prime grade mild cold-rolled sheet steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A1008. Sheet steel components shall be fabricated using zinc-coated steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A653. Flattened Expanded Metal Divisions that meets or exceeds ASTM A1008/A1008M, captured on all sides by the tubular shaped frame assembly. Self-Tapping Screws and Rivets. Provide only metal lockers that conform to Made in US regulations.

#### 2.03 HEAVY DUTY PERSONAL TA-50 LOCKERS

**Heavy Duty Lockers:** All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**Locker Body Construction:** Bottoms, Tops, and Shelves: 16-gauge steel. Sides: 16-gauge solid sides, Flattened Expanded Metal. Backs: Solid 18-gauge steel. One-piece. Doors: 14-gauge steel. Standard Ventilation: 6-inch (152.4 mm) wide by 3/4" high (19.05 mm) high horizontal louvers arranged two groups of 6. Optional Ventilation: 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamond-shaped perforations. Optional Ventilation: Solid tops and bottoms with four sides formed at 90 degrees welded to the fully-framed channel with cast corner pieces. Channel

Base: 4-inch or 6-inch high. 14-gauge sheet forming a "C" channel attached to locker bottom. Shelves with four sides formed to 90 degrees, front and back edge having a second bend. Locker Body Construction: Tubular frame construction with cast steel interlocks provide a true fully framed locker body construction. Hole spacing in locker body construction: Not exceeding 3 inches. For factory assembly order Welded version.

**Locker Doors:** One-piece sheet steel. Provide holes for attaching number plates.

**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 Single Tier Lockers:

Ultra Cremone Recessed Handle: Handle shall engage the door frame on three sides. The top and bottom frames are engaged with 0.375 inch (9.5 mm) steel rods, and a 0.25 x 0.36-inch-thick center latch engages at the side or left door. Locate handle in the formed stainless steel pocket. 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 the pocket using a guided channel. Pocket is secured to the door in two places. All door configurations delivered knocked down will have doors shipped separately for attachment on site using supplied hardware. Door shall be reinforced using a 20-gauge horizontal box pan MIG-welded a maximum of 8" on center to the hinge and latch side channels, and spot welded a maximum of 8" on center to the door skin along the upper and lower pan edge for optimum strength, quiet operation and stiffness. Firmly secure rubber silencers to locker frame.

**ADA Compliant:** Ultra Cremone Recessed Handle mechanism should be ADA complaint requiring no twisting,

pinching or tight grasping and is operable using less than 5lbs of force.

#### 2.05 INTERIOR EQUIPMENT

**AHeavy Duty TA-50 Lockers with Doors:** Single-Tier, 78-inches (1981 mm): Shelf located approximately 13-inches (330 mm) below top of locker. Coat Rod - using two heavy-duty single prong hooks, mounted to shelf and two single prong hooks with a diameter of 0.187 in rear, mounted to shelf.

**2.06 ACCESSORIES**  
(See full product specifications.)

#### 2.07 FABRICATION

Fabricate lockers with fully framed construction, 8 male/female tubular insertion points to provide the fully framed locker body, square, rigid, without

warp, with metal faces flat and free of distortion. Fabricate lockers on the unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes containing volatile organic compounds and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color. Powder Coat - Dry Thickness: 1 to 1.2 mils (0.025 to 0.03 mm). Powder Coat Plus - Dry Thickness: 2 to 2.2 mils (0.05 to 0.055 mm). Color: As selected from manufacturer's standard colors.

**Special Finishes:** Custom color match, Anti-Graffiti, Anti-Microbial, 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and/or wall as recommended by the manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops 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.

#### 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.

## **PATRIOT**® Fully Framed Gear Locker (Knocked Down)

### PART 1 – GENERAL

#### 1.01 SECTION INCLUDES

Heavy Duty Knocked Down Fully Framed Gear Lockers

#### 1.02 REFERENCES

ADAAG - Americans with Disabilities Act, Accessibility Guidelines.

#### 1.03 SUBMITTALS

Submit under provisions of Section 01 33 00. Shop Drawings: Show the following: Dimensioned drawings including plans, elevations, and sections to show locker locations and interfaces with adjacent substrates. Details of assembly, erection, anchorage and clearance requirements. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and finishes.

#### 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

Acceptable Manufacturer: Penco Products, Inc., which is located at: 1820 Stonehenge Drive, Greenville, NC 27858; Tel: 800-562-1000; Fax: 800-248-1555; Email: general@pencoproducts.com; Web: www.pencoproducts.com

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** All Penco standard lockers are constructed using prime grade steel free from surface imperfection capable of taking high grade enamel finish. Sheet steel components shall be zinc coated and free from surface imperfection and capable of taking high grade enamel finish. Flattened expanded metal divisions meet or exceed ASTM M1008/A1008M captured on all sides by the tubular shaped frame assembly. Self-tapping screws and rivets. Provide only metal lockers that conform to Made in US regulations.

#### 2.03 HEAVY DUTY LOCKERS

**Heavy Duty Lockers:** All locker body

components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**Locker Body Construction:** Bottoms, Tops, and Shelves: 16-gauge steel. Sides: 16-gauge Solid Sides, Flattened expanded metal, 16-gauge Diamond Perforation on 72-inch high only. Backs: Solid 18-gauge steel. One-piece. Doors: 14-gauge steel. Standard Ventilation: 6-inch (152.4 mm) wide by ¾" high (19.05 mm) high horizontal louvers arranged two groups of 6. Optional Ventilation: ¾ inch (19 mm) wide by 1-1/2 inch (38 mm high diamond-shaped perforations. Optional Ventilation: Solid Tops and bottoms with four sides formed at 90 degrees welded to the fully- framed channel with cast corner pieces. Channel Base: 4-inch or 6-inch high. 14-gauge sheet forming a "C" channel attached to locker bottom. Shelves with four sides formed to 90 degrees, front and back edge having a second bend.

Tubular frame construction with cast steel interlocks provide a true fully framed locker body construction. Hole spacing in locker body construction: Not exceeding 3 inches.

**Locker Doors:** One-piece sheet steel. Provide holes for attaching number plates.

**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

**Single Tier Lockers:** Ultra Cremone Recessed Handle: Handle shall engage the door frame on three sides. The top and bottom frames are engaged with 3/8 inch (9.5 mm) steel rods, and a ¼ x 3-inch-thick center latch engages at the side or left door. Locate handle in the formed stainless steel pocket. 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 the pocket using a guided channel. Pocket is secured to the door in two places. Doors 18" wide or wider shall be reinforced using a 20-gauge vertical pan spot welded at a maximum of 8" on center to the hinge side of the door.

Door shall be reinforced using a 20-gauge horizontal box pan spot-welded a maximum of 8" on center to the hinge and latch side channels, and spot welded a maximum of 8" on center to the door skin along the upper and lower pan edge for optimum strength, quiet operation and stiffness. Firmly secure rubber silencers to locker frame.

## **PATRIOT**<sup>®</sup> Fully Framed Gear Locker (Knocked Down)

**ADA Compliant:** Ultra Cremone Recessed Handle mechanism should be ADA complaint requiring no twisting, pinching or tight grasping and is operable using less than 5lbs of force.

### 2.05 INTERIOR EQUIPMENT

Heavy Duty Gear Lockers with Doors: Optional Full Width Shelf - located approximately 13-inches (330 mm) below top of locker. Optional Coat Rod - using two heavy duty single prong hooks, mounted to shelf and two single prong hooks with a diameter of 0.187 in rear, mounted to shelf.

### 2.06 ACCESSORIES

(See full product specifications.)

### 2.07 FABRICATION

Fabricate lockers with fully framed construction, 8 male/female tubular insertion points to provide the fully framed locker body, square, rigid, without warp, with metal faces flat and free of distortion. Fabricate lockers on the unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel 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. Interior and Exterior shall be painted the same color. Standard coating thickness is 1 to 1.2 mil dry film thickness minimum. Powder Coat Plus option increases thickness to 2 to 2.2 mil minimum. Colors as selected from manufacturer's standard colors. All locker body components shall match color of door and frame.

**Special Finishes:** Custom color, Anti-Graffiti, and Anti-Microbial 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and/or wall as recommended by the manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops 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.

### 3.03 ADJUSTING AND CLEANING

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.

## **PATRIOT® Fully Framed Gear Locker (Welded)**

**ADA Compliant:** Ultra Cremona Recessed Handle mechanism should be ADA complaint requiring no twisting, pinching or tight grasping and is operable using less than 5lbs of force.

### **2.05 INTERIOR EQUIPMENT**

Heavy Duty Gear Lockers with Doors: Optional Full Width Shelf - located approximately 13-inches (330 mm) below top of locker. Optional Coat Rod - using two heavy duty single prong hooks, mounted to shelf and two single prong hooks with a diameter of 0.187 in rear, mounted to shelf.

### **2.06 ACCESSORIES**

(See full product specifications.)

### **2.07 FABRICATION**

Fabricate lockers with fully framed construction, 8 male/female tubular insertion points to provide the fully framed locker body, square, rigid, without warp, with metal faces flat and free of distortion. Fabricate lockers on the unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel 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. Interior and Exterior shall be painted the same color. Standard coating thickness is 1 to 1.2 mil dry film thickness minimum. Powder Coat Plus option increases thickness to 2 to 2.2 mil minimum. Colors as selected from manufacturer's standard colors. All locker body components shall match color of door and frame.

**Special Finishes:** Custom color, Anti-Graffiti, and Anti-Microbial 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and/or wall as recommended by the manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops 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.

### **3.03 ADJUSTING AND CLEANING**

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.

## **PATRIOT** Fully Framed Gear Locker (Welded)

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

Heavy Duty Welded Fully Framed Gear Lockers

#### 1.02 REFERENCES

ADAAG - Americans with Disabilities Act, Accessibility Guidelines.

#### 1.03 SUBMITTALS

Submit under provisions of Section 01 33 00. Shop Drawings: Show the following: Dimensioned drawings including plans, elevations, and sections to show locker locations and interfaces with adjacent substrates. Details of assembly, erection, anchorage and clearance requirements. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and finishes.

#### 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

Acceptable Manufacturer: Penco Products, Inc., which is located at: 1820 Stonehenge Drive, Greenville, NC 27858; Tel: 800-562-1000; Fax: 800-248-1555; Email: general@pencoproducts.com; Web: www.pencoproducts.com

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** All Penco standard lockers are constructed using prime grade steel free from surface imperfection capable of taking high grade enamel finish. Sheet steel components shall be zinc coated and free from surface imperfection and capable of taking high grade enamel finish. flattened expanded metal divisions meet or exceed ASTM M1008/A1008M captured on all sides by the tubular

shaped frame assembly. Self-tapping screws and rivets. Provide only metal lockers that conform to Made in US regulations.

#### 2.03 HEAVY DUTY LOCKERS

**Heavy Duty Lockers:** All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**Locker Body Construction:** Bottoms, Tops, and Shelves: 16-gauge steel. Sides: 16-gauge Solid Sides, Flattened expanded metal, 16-gauge Diamond Perforation on 72-inch high only. Backs: Solid 18-gauge steel. One-piece. Doors: 14-gauge steel. Standard Ventilation: 6-inch (152.4 mm) wide by ¾" high (19.05 mm) high horizontal louvers arranged two groups of 6. Optional Ventilation: ¾ inch (19 mm) wide by 1-1/2 inch (38 mm high diamond-shaped perforations. Optional Ventilation: Solid Tops and bottoms with four sides formed at 90 degrees welded to the fully- framed channel with cast corner pieces. Channel Base: 4-inch or 6-inch high. 14-gauge sheet forming a "C" channel attached to locker bottom. Shelves with four sides formed to 90 degrees, front and back edge having a second bend.

Welded shell. Tubular frame construction with cast steel interlocks provide a true fully framed locker body construction. Hole spacing in locker body construction: Not exceeding 3 inches.

**Locker Doors:** One-piece sheet steel. Provide holes for attaching number plates.

**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

**Single Tier Lockers:** Ultra Cremone Recessed Handle: Handle shall engage the door frame on three sides. The top and bottom frames are engaged with 3/8 inch (9.5 mm) steel rods, and a

¼ x 3-inch-thick center latch engages at the side or left door. Locate handle in the formed stainless steel pocket. 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 the pocket using a guided channel. Pocket is secured to the door in two places. Doors 18" wide or wider shall be reinforced using a 20-gauge vertical pan spot welded at a maximum of 8" on center to the hinge side of the door.

Door shall be reinforced using a 20-gauge horizontal box pan spot-welded a maximum of 8" on center to the hinge and latch side channels, and spot welded a maximum of 8" on center to the door skin along the upper and lower pan edge for optimum strength, quiet operation and stiffness. Firmly secure rubber silencers to locker frame.



## **PATRIOT® Fully Framed Turnout Locker (Knocked Down)**

### **PART 1 – GENERAL**

#### **1.01 SECTION INCLUDES**

Heavy Duty Knocked Down Fully Framed Turnout Open Front 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. For each product specified, two complete sets of color chips representing manufacturer's full range of available colors and finishes.

#### **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**

Acceptable Manufacturer: Penco Products, Inc., which is located at: 1820 Stonehenge Drive, Greenville, NC 27858; Tel: 800-562-1000; Fax: 800-248-1555; Email: general@pencoproducts.com; Web: www.pencoproducts.com

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### **2.02 MATERIALS**

**Steel:** Prime grade mild cold-rolled sheet steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A1008. Steel: Sheet steel components shall be fabricated using zinc-coated steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A653. Flattened Expanded Metal Divisions that meets or exceeds ASTM A1008/A1008M, captured on all sides by the tubular shaped frame assembly. Self-Tapping Screws and Rivets. Provide only metal lockers that conform to Made in US regulations.

#### **2.03 HEAVY DUTY OPEN FRONT PERSONAL EQUIPMENT LOCKERS**

**Heavy Duty Lockers:** All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**Locker Body Construction:** Bottoms, Tops and Shelves made from 16-gauge steel. Sides shall be either 16-gauge solid, flattened expanded metal, or 16-gauge diamond perforation (on 72 inch high only). Backs shall be solid 18-gauge single piece. Tops and bottoms with four sides formed at 90 degrees welded to the fully-framed channel with cast corner pieces. Channel Base shall be 4 inch or 6 inch high form 14-gauge sheet forming "C" channel attached to locker bottom. Shelves with four sides formed to 90 degrees, front edge having a second bend. Tubular frame construction with cast steel interlocks to provide a true fully framed locker body construction. Hole spacing in body not to exceed 3 inches. Optional factory assembly of lockers (welded version only).

#### **2.04 INTERIOR EQUIPMENT**

**Heavy Duty Fully Framed Turnout Lockers Without Doors:** Optional Full Width Shelf - located approximately 13-inches (330 mm) below top of locker. Optional Coat Rod - using two heavy duty single prong hooks, mounted to shelf and two single prong hooks with a diameter of 0.187 in rear, mounted to shelf.

#### **2.05 ACCESSORIES**

(For Full Line of Accessories see Complete Specifications Online)

**Interior Equipment:** Optional Acrylic Mirror: Self-Adhesive, 6-inch (152 mm) x 8 inch (203 mm). Optional Full Width Shelves. 16-gauge, flanged on four sides and attached securely to mounting side rails. Optional Center Partition: 16-gauge with flanged front. Attaches securely to shelf and locker bottom or additional lower shelf. (Not for use with footlocker or seat) Mounting holes for half shelves provided on nominal 6 inch centers. 4. Optional Half Shelf: 16-gauge, used with full height center partition only. Flanged on three sides. Optional "L" Shaped Half Shelves: 16-gauge, flanged on three sides and attached securely on one side with a side rail, and flanged partition mounted to shelf or half shelf above. Optional Security box: 16-gauge lockable door with a 16-gauge side panel. The door is attached to the welded frame of the security using a two-point hinge. The door is locked through a single point latch with a padlock or built-in lock. A door pull shall be provided for use with padlocks. Security box door frame to be not less than 16 gauge formed to a channel shape. Vertical members to have an additional flange to provide a continuous door strike. 9-inch wide, 12-inch wide, 15-inch wide, 18-inch wide, 21-inch wide, 24-inch wide. Optional cell phone/key tray: 8-inch (203 mm) x 2-inch (51 mm) x 2-inch (51 mm) mounted to flanged partition side of the half shelf. Optional metal seat only: 14-gauge, mounted using mounting rails to vertical corner posts allowing adjustability. Optional hardwood seat only: 1-1/4" thick full depth mounted using mounting rails to vertical corner posts allowing adjustability. Optional footlocker: Recessed from locker frame to clear full length locker door. Front foot locker panel includes single point latch with padlock strike plate and vertical slots. 14-gauge lid of footlocker has a continuous hinge and. Also serves as a seat. Opening and closing of the lid is quieted by rubber bumpers mounted to the contact points. The seat lid is strengthened with reinforcement channels welded to bottom. Lid/seat is supported by two mounting side rails attached to the vertical posts. Optional sheet steel document sleeve. 16-gauge measuring 12-inches wide (horizontal storage) or 9-1/2 inches wide (vertical storage) mounted to flanged partition side of the half shelf. Optional Drawers. 12-inch-high or 6-inch high. Drawer body shall be constructed of 16-gauge sheet steel, mounted using an integral "C" channel and mounted to the side rails that are mounted to the corner posts. Optional

Parachute/body armor rack. Formed from 3/4 inch diameter, heavy wall steel tube. Reinforced by 14-gauge gussets. Mounted to rear of locker using two mounting rails between corner posts. 180-pound capacity. Optional Inner Compartment Door, attached to "L" shaped half shelf. Optional Coat Rods using coat rod hooks mounted to shelf.

#### **2.06 FABRICATION**

Fabricate lockers with fully framed construction, 8 male/female tubular insertion points to provide the fully framed locker body, square, rigid, without warp, with metal faces flat and free of distortion. Fabricate lockers on the unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes releasing VOC's and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color. Standard coating thickness is 1 to 1.2 mils (0.025 to 0.03 mm) dry film thickness minimum. Powder Coat Plus option is 2 to 2.2 mils (.05 to .055 mm). Colors as selected from manufacturer's standard colors.

**Alternative finishes:** Custom color match, Anti-Graffiti or Anti-Microbial 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and/or wall as recommended by the manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops 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.

#### **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.

## **PATRIOT® Fully Framed Turnout Locker (Welded)**

### PART 1 – GENERAL

#### 1.01 SECTION INCLUDES

Heavy Duty Welded Fully Framed Turnout Open Front 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. For each product specified, two complete sets of color chips representing manufacturer's full range of available colors and finishes.

#### 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

Acceptable Manufacturer: Penco Products, Inc., which is located at: 1820 Stonehenge Drive, Greenville, NC 27858; Tel: 800-562-1000; Fax: 800-248-1555; Email: general@pencoproducts.com; Web: www.pencoproducts.com. Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** Prime grade mild cold-rolled sheet steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A1008. Steel: Sheet steel components shall be fabricated using zinc-coated steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A653. Flattened Expanded Metal Divisions that meets or exceeds ASTM A1008/A1008M, captured on all sides by the tubular shaped frame assembly. Self-Tapping Screws and Rivets. Provide only metal lockers that conform to Made in US regulations.

#### 2.03 HEAVY DUTY OPEN FRONT PERSONAL EQUIPMENT LOCKERS

**Heavy Duty Lockers:** All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**Locker Body Construction:** Bottoms, Tops and Shelves made form 16-gauge steel. Sides shall be either 16-gauge solid, Flattened Expanded Metal, or 16-gauge diamond perforation (on 72 inch high only). Backs shall be solid 18-gauge single piece. Tops and bottoms with four sides formed at 90 degrees welded to the fully-framed channel with cast corner pieces. Channel Base shall be 4 inch or 6 inch high form 14-gauge sheet forming "C" channel attached to locker bottom. Shelves with four sides formed to 90 degrees, front edge having a second bend. Tubular frame construction with cast steel interlocks to provide a true fully framed locker body construction. Hole spacing in body not to exceed 3 inches. Optional factory assembly of lockers (welded

version only).

#### 2.04 INTERIOR EQUIPMENT

**Heavy Duty Fully Framed Turnout Lockers Without Doors:** Optional Full Width Shelf - located approximately 13-inches (330 mm) below top of locker. Optional Coat Rod - using two heavy duty single prong hooks, mounted to shelf and two single prong hooks with a diameter of 0.187 in rear, mounted to shelf.

#### 2.05 ACCESSORIES

(For Full Line of Accessories see Complete Specifications Online)

**Interior Equipment:** OptioOptional Acrylic Mirror: Self-Adhesive, 6-inch (152 mm) x 8 inch (203 mm). Optional Full Width Shelves: 16-gauge, flanged on four sides and attached securely to mounting side rails. Optional Center Partition: 16-gauge with flanged front. Attaches securely to shelf and locker bottom or additional lower shelf. (Not for use with footlocker or seat) Mounting holes for half shelves provided on nominal 6 inch centers.

4. Optional Half Shelf: 16-gauge, used with full height center partition only. Flanged on three sides. Optional "L" Shaped Half Shelves: 16-gauge, flanged on three sides and attached securely on one side with a side rail, and flanged partition mounted to shelf or half shelf above. Optional Security box: 16-gauge lockable door with a 16-gauge side panel. The door is attached to the welded frame of the security using a two-point hinge. The door is locked through a single point latch with a padlock or built-in lock. A door pull shall be provided for use with padlocks. Security box door frame to be not less than 16 gauge formed to a channel shape. Vertical members to have an additional flange to provide a continuous door strike. 9-inch wide, 12-inch wide, 15-inch wide, 18-inch wide, 21-inch wide, 24-inch wide. Optional cell phone/key tray: 8-inch (203 mm) x 2-inch (51 mm) x 2-inch (51 mm) mounted to flanged partition side of the half shelf. Optional metal seat only: 14-gauge, mounted using mounting rails to vertical corner posts allowing adjustability. Optional hardwood seat only: 1-1/4" thick full depth mounted using mounting rails to vertical corner posts allowing adjustability. Optional footlocker: Recessed from locker frame to clear full length locker door. Front foot locker panel includes single point latch with padlock strike plate and vertical slots. 14-gauge lid of footlocker has a continuous hinge and. Also serves as a seat. Opening and closing of the lid is quieted by rubber bumpers mounted to the contact points. The seat lid is strengthened with reinforcement channels welded to bottom. Lid/seat is supported by two mounting side rails attached to the vertical posts. Optional sheet steel document sleeve. 16-gauge measuring 12-inches wide (horizontal storage) or 9-1/2 inches wide (vertical storage) mounted to flanged partition side of the half shelf. Optional Drawers. 12-inch-high or 6-inch high. Drawer body shall be constructed of 16-gauge sheet

steel, mounted using an integral "C" channel and mounted to the side rails that are mounted to the corner posts. Optional Parachute/body armor rack. Formed from ¾ inch diameter, heavy wall steel tube. Reinforced by 14-gauge gussets. Mounted to rear of locker using two mounting rails between corner posts. 180-pound capacity. Optional Inner Compartment Door, attached to "L" shaped half shelf. Optional Coat Rods using coat rod hooks mounted to shelf.

#### 2.06 FABRICATION

Fabricate lockers with fully framed construction, 8 male/female tubular insertion points to provide the fully framed locker body, square, rigid, without warp, with metal faces flat and free of distortion.

Fabricate lockers on the unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes releasing VOC's and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color. Standard coating thickness is 1 to 1.2 mils (0.025 to 0.03 mm) dry film thickness minimum. Powder Coat Plus option is 2 to 2.2 mils (.05 to .055 mm). Colors as selected from manufacturer's standard colors.

**Alternative finishes:** Custom color match, Anti-Graffiti or Anti-Microbial 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and/or wall as recommended by the manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops 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.

#### 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.

## **PATRIOT** Fully Framed Duty Locker (Knocked Down)

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

Heavy Duty Knocked Down Fully Framed Duty 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, sections, details of assembly, erection anchorage and clearance requirements. For each product specified, two complete sets of color chips representing manufacturer's full range of colors for selection are available.

#### 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

Acceptable Manufacturer: Penco Products, Inc., which is located at: 1820 Stonehenge Drive, Greenville, NC 27858; Tel: 800-562-1000; Fax: 800-248-1555; Email: general@pencoproducts.com; Web: www.pencoproducts.com.

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** All Penco standard lockers are constructed using prime grade steel free from surface imperfection capable of taking high grade enamel finish. Sheet steel components shall be zinc coated and free from surface imperfection and capable of taking high grade enamel finish. Self-tapping screws and rivets. Provide only metal lockers that conform to Made in US regulations.

#### 2.03 HEAVY DUTY LOCKERS

**Heavy Duty Lockers:** All locker body components made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points.

**Locker Body:** Bottoms, Tops, and Shelves: 16-gauge steel. Sides: 16-gauge solid sides Backs: Solid 18-gauge steel. One-piece. Doors: 14-gauge steel. Standard Ventilation: 6-inch (152.4 mm) wide by ¾" high (19.05 mm) high horizontal louvers arranged two groups of 6. Optional Ventilation: 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamond-shaped perforations. Optional Ventilation: Solid tops and bottoms with four sides formed at 90 degrees welded to the fully- framed channel with cast corner pieces. Shelves with four sides formed to 90 degrees, front and back edge having a second bend. Locker Body Construction: Tubular frame construction with cast steel interlocks provide a true fully framed locker body construction. Hole spacing in locker body construction: Not exceeding 3 inches. Optional factory assembly of lockers (welded version only).

**Locker Doors:** One piece sheet steel. Provide holes for number plates.

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

**Duty Locker Drawer Base with Integral Seat:** 78-inch-high Duty lockers provide a 78-inches high locker with a 9-inch or 12-inch front extension to create the drawer base. 90-inch-high Duty lockers, provide a 90-inches high locker with a 9-inch or 12-inch front extension to create the drawer base. 16-gauge drawer body, rated at 250 pounds per pair. Drawer face with integral finger grab and punched to accept built-in spring bolt locker lock, key lock or padlock. **Hardwood seat:** Laminated selected hardwood, 1-1/4 inch (31.75 mm) full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer. Depth: 9-1/2 inches (241.3 mm) or 12-inches (304.8 mm) depending on front extension size. Length: As shown, continuous along adjoining lockers with drawer bases or individual benches for each unit.

#### 2.04 DOOR HANDLES AND LATCHING

**Single Tier Lockers:** Ultra Cremone Recessed Handle: Handle shall be a die cast lift 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 ¼ x 3-inch-thick center latch engages at the side or left door. Locate handle in the formed stainless steel pocket. 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 the pocket using a guided channel. Pocket is secured to the door in two places. Doors 18" wide or wider shall be reinforced using a 20-gauge vertical pan spot welded at a maximum of 8" on center to the hinge side of the door. Door shall be reinforced using a 20-gauge horizontal box pan spot-welded a maximum of 8" on center to the hinge and latch side channels, and spot welded a maximum of 8" on center to the door skin along the upper and lower pan edge for optimum strength, quiet operation and stiffness. Firmly secure rubber silencers to locker frame.

## **PATRIOT**® Fully Framed Duty Locker (Knocked Down)

**ADA Compliant:** Ultra Cremone Recessed Handle mechanism shall be ADA complaint requiring no twisting, pinching or tight grasping and is operable using less than 5lbs of force.

### **2.05 INTERIOR EQUIPMENT** **Heavy Duty Lockers With Doors:**

Optional Full Width Shelf - located approximately 13-inches (330 mm) below top of locker.  
Optional Coat Rod - using two heavy duty single prong hooks, mounted to shelf and two single prong hooks with a diameter of 0.187 in rear, mounted to shelf.

### **06 ACCESSORIES**

(See full product specifications.)

### **2.07 FABRICATION**

Fabricate lockers with fully framed construction, 8 male/female tubular insertion points to provide the fully framed locker body, square, rigid, without warp, with metal faces flat and free of distortion. Fabricate lockers on the unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes containing volatile organic compounds and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color.

**Alternative finishes:** Custom color, Anti- Graffiti, and Anti-Microbial 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and/or wall as recommended by the manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops 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.

### **3.03 ADJUSTING AND CLEANING**

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.

## **PATRIOT** Fully Framed Duty Locker (Welded)

### PART 1 – GENERAL

#### 1.01 SECTION INCLUDES

Heavy Duty Welded Fully Framed Duty 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, sections, details of assembly, erection anchorage and clearance requirements. For each product specified, two complete sets of color chips representing manufacturer's full range of colors for selection are available.

#### 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

Acceptable Manufacturer is Penco Products, Inc. located at 1820 Stonehenge Dr., Greenville, NC 27858.

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### 2.02 MATERIALS

**Steel:** All Prime grade mild cold-rolled sheet steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A1008. Sheet steel components shall be fabricated using zinc-coated steel free from surface imperfection, capable of taking a high-grade enamel finish and in compliance with ASTM A653. Self-Tapping Screws and Rivets. Provide only metal lockers that conform to Made in US regulations.

#### 2.03 HEAVY-DUTY PERSONAL DUTY LOCKERS

**Heavy Duty Lockers:** All locker body components made of cold rolled steel specially formed for added strength

and rigidity and to ensure tight joints at fastening points.

**Locker Body Construction:** Welded shell. Bottoms, Tops, and Shelves: 16-gauge steel. Sides: 16-gauge solid sides. Backs: Solid 18-gauge steel. One-piece. Doors: 14-gauge steel. Standard Ventilation: 6-inch (152.4 mm) wide by 3/4" high (19.05 mm) high horizontal louvers arranged two groups of 6. Optional Ventilation: 3/4 inch (19 mm) wide by 1-1/2 inch (38 mm) high diamond-shaped perforations. Optional Ventilation: Solid tops and bottoms with four sides formed at 90 degrees welded to the fully- framed channel with cast corner pieces. Shelves with four sides formed to 90 degrees, front and back edge having a second bend. **Locker Body Construction:** Welded shell. Tubular frame construction with cast steel interlocks provide a true fully framed locker body construction. Hole spacing in locker body construction: Not exceeding 3 inches.

**Locker Doors:** One piece sheet steel. Provide holes for number plates.

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

#### Duty Locker Drawer Base with Integral Seat

78-inch high Duty lockers, provide a 78-inch high locker with a 9-inch or 12-inch front extension to create the drawer base. 90-inch high Duty lockers, provide a 90-inch high locker with a 9-inch or 12-inch front extension to create the drawer base. 16-gauge drawer body, rated at 250 pounds per pair. Drawer face with integral finger grab and punched to accept built-in spring bolt locker lock, key lock or padlock. Hardwood seat: Laminated selected hardwood, 1-1/4 inch (31.75 mm) full finished thickness, corners rounded and sanded, surfaces finished with two coats of clear lacquer. Depth: 9-1/2 inches (241.3 mm) or 12-inches (304.8 mm) depending on front extension size. Length: As shown, continuous along adjoining lockers with drawer bases or individual benches for each unit.

#### 2.04 DOOR HANDLES AND LATCHING

**Single Tier Lockers:** Ultra Cremone Recessed Handle: Handle shall be a die

cast lift 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 1/4 x 3-inch-thick center latch engages at the side or left door. Locate handle in the formed stainless steel pocket. 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 the pocket using a guided channel. Pocket is secured to the door in two places. Doors 18" wide or wider shall be reinforced using a 20-gauge vertical pan spot welded at a maximum of 8" on center to the hinge side of the door. Door shall be reinforced using a 20-gauge horizontal box pan spot-welded a maximum of 8" on center to the hinge and latch side channels, and spot welded a maximum of 8" on center to the door skin along the upper and lower pan edge for optimum strength, quiet operation and stiffness. Firmly secure rubber silencers to locker frame.

## **PATRIOT® Fully Framed Duty Locker (Welded)**

**ADA Compliant:** Ultra Cremone Recessed Handle mechanism shall be ADA complaint requiring no twisting, pinching or tight grasping and is operable using less than 5lbs of force.

### **2.05 INTERIOR EQUIPMENT Heavy Duty Duty Lockers with Doors:**

Optional Full Width Shelf - located approximately 13-inches (330 mm) below top of locker.  
Optional Coat Rod - using two heavy duty single prong hooks, mounted to shelf and two single prong hooks with a diameter of 0.187 in rear, mounted to shelf.

### **2.06 ACCESSORIES (See full product specifications.)**

### **2.07 FABRICATION**

Fabricate lockers with fully framed construction, 8 male/female tubular insertion points to provide the fully framed locker body, square, rigid, without warp, with metal faces flat and free of distortion. Fabricate lockers on the unit principle, each locker with individual door and frame, individual top, bottom, back, and shelves. Verify dimensions and arrangement before fabrication.

**Finish:** Enamel powder coat paint finish electrostatically applied and properly cured to manufacturer's specifications for optimum performance. Finishes containing volatile organic compounds and subject to out-gassing are not acceptable. Locker exterior and interior shall be painted the same color. Powder Coat - Dry Thickness: 1 to 1.2 mils (0.025 to 0.03 mm). Powder Coat Plus - Dry Thickness: 2 to 2.2 mils (0.05 to 0.055 mm). Color: As selected from manufacturer's standard colors.

**Special Finishes:** Custom color, Anti-Graffiti, and Anti-Microbial 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. Work is not to progress until site meets necessary conditions. Anchor lockers to floor and/or wall as recommended by the manufacturer. Bolt adjoining locker units together to provide rigid installation. Install sloping tops 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.

### **3.03 ADJUSTING AND CLEANING**

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.

## **PATRIOT® Fully Framed Lockers Accessories**

### **PART 1 – GENERAL**

#### **1.01 SECTION INCLUDES**

Accessories for Metal 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 that conform to Made in US regulations.

Lockers shall be GREENGUARD Gold Certified by UL Environment through the GREENGUARD Certification Program.

#### **2.02 MATERIALS**

**Steel:** All Penco standard accessories 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 A653 and finished in the same manner.

#### **2.03 ACCESSORIES**

**Number Plates:** Provide each locker with a polished aluminum number plate, 2-1/4 inches (57 mm) wide by 1 inch (25 mm) high, with black numerals not less than 3/8 inch (9.5 mm) high; attach to face of door on lockers and face of shelf on Turnout and Stadium, with two aluminum rivets.

**Locks:** Built-in flat key locks; master-key to same series. Built-in grooved key locks (pin tumbler); master-key to same series. Built-in three-number dialing combination locks capable of at least five different combination changes; provide master key, combination change key and combination control chart. Padlocks: master-keyed three-number dialing combination type padlocks: provide master key.

**Channel Base:** 4-inch high. 14-gauge sheet forming a "C" channel attached to locker bottom. 6-inch high. 14-gauge sheet forming a "C" channel attached to locker bottom.

**Name Card Holder:** Plated steel. Holds 1.25" (31.75 mm) x 2.75" card (69.85 mm).

**Center Partition:** 16-gauge with flanged front. Attaches securely to shelf and locker bottom or additional lower shelf. (Not for use with footlocker or seat) Mounting holes for side shelves provided on nominal 6 inch centers.

**Side Shelf:** 16-gauge, used with center partition only. Flanged on three sides.

**Acrylic mirror:** Self adhesive, 6-inch (152.4 mm) x 8 inch (203.2 mm).

**Hooks:** Used for Coat Rod. Two heavy-duty single prong hooks with a diameter of 0.276 mounted to shelf and designed to accept a coat rod.

**Coat Rod, Full Length:** Using coat rod hooks mounted to shelf: 18-inch (used with 18-inch wide locker only); 24-inch (used with 24-inch wide locker only); 30-inch (used with 30-inch wide lockers only); 36-inch (used with 36-inch wide lockers only); 42-inch (used with 42-inch wide lockers only); 48-inch (used with 48-inch wide lockers only)

**Coat Rod, Half Length:** Using coat rod hooks mounted to shelf: 9-inch (used with 18-inch locker with center partition or half shelves); 12-inch (used with 24-inch locker with center partition or half shelves); 15-inch (used with 30-inch locker with center partition or half shelves); 36-inch (actually 18-inch long and used with

36-inch locker with center partition or half shelves); 42-inch (actually 21-inch long and used with 42-inch locker with center partition or half shelves); 48-inch (actually 24-inch long and used with 48-inch locker with center partition or half shelves)

**Hooks:** Single prong hooks with a diameter of 0.187 in rear, mounted to shelf.

**Garment Separator:** Full width. Use as an alternative to the optional Coat Rod accessory. Attaches to shelf.

**Full width shelves:** 16-gauge, flanged on all four sides, formed to 90 degrees, front and back edge having a second bend, attached securely to mounting side rails. Optional Back Rails are available for additional shelf support when needed.

**Back Rails:** 16 gauge, Optional, one per shelf, used with Full Width Shelves when extra support is needed.

**Half Shelves:** "L" Shaped Half Shelves: 16-gauge, flanged on three sides and attached securely on one side with a side rail, and flanged partition mounted to shelf or half shelf above.

**Security Box, 12 inch:** 18-gauge lockable door with a 18-gauge side panel. The door is attached to a welded frame with a two-point hinge. The door is locked through a single point latch with a padlock or built-in lock. A door pull shall be provided for use with padlocks. Security box door frame to be not less than 16-gauge formed to a channel shape. Vertical members to have an additional flange to provide a continuous door strike. Widths: 9-inch, 12-inch, 15-inch, 18-inch, 21-inch, 24-inch.

**Security Box Panels:** Used with security box unit when ordering a flattened expanded metal division and a Security Box together, this panel is used in the inside of compartment to block the view from the outside.

## **PATRIOT® Fully Framed Lockers Accessories**

**Inner Compartment Door:** Attached to “L” shaped half shelf. 18 gauge.

**Inner Compartment Panels:** Used with inner compartment door unit, when ordering a flattened expanded metal division and an inner compartment door together, this panel is used in the inside of compartment to block the view from the outside.

**Cell Phone/Key Tray:** 8-inch (203.2 mm) x 2-inch (50.8 mm) x 2-inch (50.8 mm) mounted to center partition or half shelf. If either of these items are being ordered, you can attach it to the side of the locker using 2 side rails (ordered separately)

**Boot Tray:** Aluminum, measuring 14 x 12.

**Metal Seat only:** 14 gauge, mounted using mounting rails to vertical corner posts allowing adjustability.

**Hardwood Bench Seat only:** 1-1/4” thick full depth, mounted using mounting rails to vertical corner posts allowing adjustability.

**Individual Hardwood Seat for Duty Lockers:** 1-1/4” full finished thickness depth, Corners rounded and sanded, exposed surfaces finished with two coats of clear lacquer.

**Footlocker:** Recessed from locker frame to clear full-length locker door. Front footlocker panel includes single point latch with padlock strike plate and vertical slots. 14-gauge lid of footlocker has a continuous hinge and serves as a seat. Rubber bumpers mounted to the contact points quiets opening and closing of the lid. Two reinforcement channels welded to bottom strengthens seat lid. Two mounting side rails attached to the vertical posts support lid/seat.

**Document Sleeve Small:** 16 gauge measuring 9.5-inch x 3-inch x 8-inch

**Document Sleeve Large:** 16 gauge measuring 12-inch x 3-inch x 8-inch

**Drawer Base Unit for Duty Lockers:** 78-inch-high Duty lockers provide a 78-inches high locker with a 9-inch or 12-inch front extension to create the drawer base. 90-inch-high Duty lockers provide a 90-inches high locker with a 9-inch or 12-inch front extension to create the drawer base, 16-gauge drawer body, rated at 250 pounds per pair. Drawer face with integral finger grab and punched to accept built-in spring bolt locker lock, key lock or padlock.

**Bottom Drawers:** 12-inch high. Drawer body shall be constructed of 16-gauge sheet steel, mounted using an integral “C” channel and mounted to the side rails that are mounted to the corner posts.

**Intermediate Drawers:** 6-inch high. Drawer body shall be constructed of 16-gauge sheet steel, mounted using an integral “C” channel and mounted to the side rails that are mounted to the corner posts.

**Parachute/Body Armor Rack:** a. Formed from 3/4-inch diameter, heavy wall steel tube. Reinforced by 14-gauge gussets. Mounted securely to rear of locker. 180-pound capacity. Rack is attach by drilling holes in the locker back and using the nuts, bolts and washers supplied. If ordering welded, installation will be done at factory, if ordering knockdown must be done on site.

**Heavy-Duty Bench Pedestals:** Steel tubing with 11-gauge steel flanges welded to each end, 16-1/4 inches (412 mm) high, finish to match lockers.

**Stainless Steel Free-Standing Bench Pedestals:** 2-inch (50 mm) diameter brushed 16-gauge stainless steel formed into a trapezoid, 14-inch (355 mm) wide bottom with two 5/16 inch (7.9 mm) diameter holes, top flange with four 5/16 inch (7.9 mm) diameter holes for fastening to bench.

### 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 accessories at locations shown in accordance with manufacturer’s instructions. Install sloping tops 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.

#### 3.03 ADJUSTING

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.



## Americans with Disabilities Act Information (ADA)

Penco lockers commonly accepted for ADA or barrier-free assignments are single tier and double-tier (lower tier only) when equipped with the Classic III recessed handle with multi-point latching: Vanguard, Guardian, Invincible II, Welded Gen2 and Angle Iron (with available modifications). Other handle types and certain lock selections may not be recognized as ADA compliant without modification.

Single tier 60" or 72" high lockers with the Classic III recessed multi-point latch handles must have shelves relocated and/or added to accommodate ADAAG mandated reach ranges. Two tier 36" high openings with the Classic III recessed handle may be used by designating the lower tier for ADA compliance. An extra shelf should be ordered to bring the lowest reach point within the prescribed ADAAG range based upon side or forward reach. Field drilling for these shelf locations on smaller requirements is recommended. The owner or architect may



also require a handicapped access sign be placed on the door.

Other handles and configurations may be specified, but these are the most appropriate based upon a literal interpretation. Attention should also be paid to the clear area

in front of the lockers to meet other separate but related guidelines. Contact your Penco Representative for assistance or go to [www.access-board.gov](http://www.access-board.gov) to view the ADA Accessibility guidelines in full.



## GREENGUARD

All products manufactured by Penco Products are GREENGUARD Gold Certified through UL Environment's GREENGUARD Certification Program. This certification signifies that Penco's products are now in compliance with the stringent chemical emissions guidelines set by UL Environment.

Accredited courses are available to design professionals and fulfill credit requirements for AIA, GBCI, IDCEC. Contact a Penco Sales Manager for more information.



## Environmental Information

- Based upon the most recent information from our source mills, the recycled content of our steel lockers can range from 25% to over 50%. Because the percentage of recycled content may vary from project to project based on a number of variables, please contact our offices for detailed information on your specific requirement.
- Powder coating drastically reduces waste through high efficiency application & recovery methods.
- Penco's powder coat paint contains no solvents and as a result releases no Volatile Organic Compounds (VOC's) normally associated with wet paint processes.
- Our packaging contains at least 20% post-consumer recycled content.
- Approximately 34% of the U.S. population lives within a 500 mile radius of our manufacturing facility, requiring less fuel to ship our products to many destinations.



ADA locker can optionally be marked with a decal.



ADA locker has shelf at least 15 inches from floor.



NOTE: Colors shown are as close to actual finishes as the printing process allows. Do not make your final color selection based on the color shade shown on this page. Penco Color Charts are available for a more accurate color match. Exposure to high humidity, chlorine salts, abrasive cleaners, germicidal cleaners and acids can damage the finish and will void the guarantee. For outdoor applications or other harsh environmental conditions, contact your Penco representative.

## Standard Colors

To assure rust resistance and paint adhesion, all Penco steel products receive a state of the art pre-paint conditioning that includes a thorough cleansing by a hot spray washing process, then a specially formulated coating is applied creating a surface that resists corrosion and improves paint adhesion. All lockers are available in the 24 colors shown above.

## Standard Powder Coat Finish

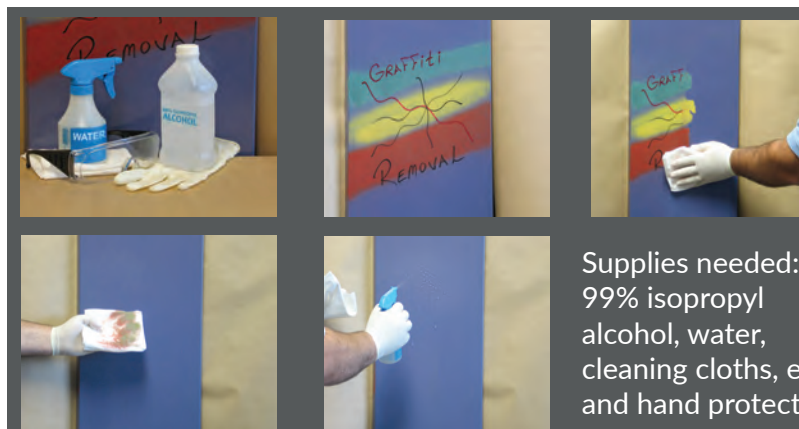
Penco's standard 1 mil thick paint finish is perfect for most applications. The paint surface is tough and durable and offers a beautiful drip-free surface, excellent edge coverage and environmentally friendly application.

## PowderCoatPlus™

PowderCoatPlus is an optional cost-effective way of improving the durability and rust resistance. After a specialized cleaning and pre-treatment of the steel, a 2 mil thick coating of powder coat enamel is applied and baked onto the steel surface.

## Antimicrobial Paint

Antimicrobial Paint finishes offer an added level of protection against virus and disease-causing micro-organisms while increasing resistance to stain and odor-causing bacteria, yielding an easier-to-clean product with extended durability and aesthetic appeal.



## X-Off™ Anti-Graffiti Paint

Penco's optional X-Off Anti-Graffiti Paint for lockers provides a surface coating that allows easy removal of graffiti with alcohol and water. This specially formulated paint has a tight molecular structure that completely seals the locker surface, preventing graffiti and corrosive agents from penetrating the finish.

Supplies needed:  
99% isopropyl alcohol, water, cleaning cloths, eye and hand protection.

# Garment Dispensers



Penco Products builds upon 50 years of experience in the design, fabrication and sales support of garment lockers through its acquisition of Steiner Systems, an industry trailblazer and leader. This experience, combined with Penco's long history of providing a full range of storage solutions, achieves an unmatched level of expertise to ensure a superior product and high level of customer support.

Our wide spectrum of professional garment distribution lockers includes hanging garment dispensers, folded garment dispensers, laundry lockups and towel and linen control centers. These robust products are designed and built to provide the end user with many years of uninterrupted service.

- Individual locker provides each user with a locked compartment for personal belongings including uniforms, equipment, supplies or tools
- Simultaneous access to all lockers by management is available through the master door
- All hardware is zinc plated and assembly rivets are rust-proof aluminum
- All Hanging Garment Lockers can be personalized with your company's logo. Ask your sales representative for more details.



4 Compartment   8 Compartment   Big 4 Compartment   Big 6 Compartment   Big 8 Compartment

| Sales Managers - Hygiene and Textile Rental Products |  |              |
|--|--|--------------|
| Sales Manager  | Areas Served                                       | Phone        |
| Bob Brett, Northeast Regional Manager                | CT, DC, DE, MA, MD, ME, NH, NJ, NY, OH, PA, RI, VT | 215-375-2935 |
| Tony Taylor, Southeast Regional Manager              | AL, AR, FL, GA, KY, LA, MS, NC, TN, SC, VA, WV     | 770-331-0451 |
| Mike Rochon, Central Regional Manager                | IL, IN, IA, MI, MN, NE, ND, KS, MO, OK, SD, TX, WI | 815-566-1691 |
| Randy Polen, Western Regional Manager                | AK, AZ, CA, CO, HI, ID, MT, NM, NV, OR, US, WA, WY | 805-490-1551 |
| Yves L'Esperance, Canada Regional Manager            | CANADA   | 514-594-2354 |

| Hanging Garment Dispensers  |                     |                    |           |                    |                        |                        |            |                              |   |                     |
|-----------------------------|---------------------|--------------------|-----------|--------------------|------------------------|------------------------|------------|------------------------------|---|---------------------|
| Description                 | Garment Gray Part # | Silver Vein Part # | Lock Type | Overall Dimensions | Compartment Dimensions | Door Dimensions        | Wt. (lbs.) | Height                       |   |                     |
| 4 Compartment<br>"2 Over 2" | LF-2/2-GRY-CAM      | LF-2/2-SLV-CAM     | Cam       | 23-15/16"W         | 11-1/2"W               | 9-1/4"W<br>35-9/16"H   | 128        | Standard Height<br>80-13/16" |   |                     |
|                             | LF-2/2-GRY-TRNB     | LF-2/2-SLV-TRNB    | Turn Knob | 21-7/16"D          | 21-7/16"D              |                        |            |                              |   |                     |
|                             | LF-2/2-GRY-COM      | LF-2/2-SLV-COM     | Combo     | 80-13/16"H         | 35-11/16"H             |                        |            |                              |   |                     |
| Big 4 Compartment           | LF-BG4-GRY-CAM      | LF-BG4-SLV-CAM     | Cam       | 30-19/32"W         | 14-7/8"W               | 12-5/8"W<br>35-9/16" H | 145        |                              | Heights With Accessories With Base: 85" |                     |
|                             | LF-BG4-GRY-TRNB     | LF-BG4-SLV-TRNB    | Turn Knob | 21-7/16"D          | 21-7/16"D              |                        |            |                              |   |                     |
|                             | LF-BG4-GRY-COM      | LF-BG4-SLV-COM     | Combo     | 80-13/16"H         | 35-11/16"H             |                        |            |                              |   |                     |
| Big 6 Compartment           | LF-BG6-GRY-CAM      | LF-BG6-SLV-CAM     | Cam       | 30-19/32"W         | 9-3/4"W                | 8-1/2"W<br>35-9/16"H   | 157        |                              |   | With Slope Top: 87" |
|                             | LF-BG6-GRY-TRNB     | LF-BG6-SLV-TRNB    | Turn Knob | 21-7/16"D          | 21-7/16"D              |                        |            |                              |   |                     |
|                             | LF-BG6-GRY-COM      | LF-BG6-SLV-COM     | Combo     | 80-13/16"H         | 35-11/16"H             |                        |            |                              |   |                     |
| 8 Compartment               | LF-8C-GRY-CAM       | LF-8C-SLV-CAM      | Cam       | 23-15/16"W         | 5-3/4"W                | 4-3/4"W<br>35-9/16"H   | 147        | With Base & Slope Top: 91"   |   |                     |
|                             | LF-8C-GRY-TRNB      | LF-8C-SLV-TRNB     | Turn Knob | 21-7/16"D          | 21-7/16"D              |                        |            |                              |   |                     |
|                             | LF-8C-GRY-COM       | LF-8C-SLV-COM      | Combo     | 80-13/16"H         | 35-11/16"H             |                        |            |                              |   |                     |
| Big 8 Compartment           | LF-BG8-GRY-CAM      | LF-BG8-SLV-CAM     | Cam       | 30-19/32"W         | 7-1/2"W                | 6-5/16"W<br>35-9/16"H  | 169        |                              |   |                     |
|                             | LF-BG8-GRY-TRNB     | LF-BG8-SLV-TRNB    | Turn Knob | 21-7/16"D          | 21-7/16"D              |                        |            |                              |   |                     |
|                             | LF-BG8-GRY-COM      | LF-BG8-SLV-COM     | Combo     | 80-13/16"H         | 35-11/16"H             |                        |            |                              |   |                     |

# Garment Dispensers

## Folded Garment Dispensers & Laundry Lockups



9 Compartment

10 Compartment

16 Compartment

| Laundry Lockups         |                     |                    |                                       |                        |            |
|-------------------------|---------------------|--------------------|---------------------------------------|------------------------|------------|
| Description             | Garment Gray Part # | Silver Vein Part # | Laundry Lockup Dimensions             | Swing Door Dimensions  | Wt. (lbs.) |
| Maxi Laundry Lockup     | LF-LDM-GRY          | LF-LDM-SLV         | 23-15/16"W<br>21-7/16"D<br>80-13/16"H | 21-11/16"W<br>12-1/2"H | 105        |
| Standard Laundry Lockup | LF-LDS-GRY          | LF-LDS-SLV         | 16-1/4"W<br>21-7/16"D<br>80-13/16"H   | 13-3/4"W<br>12-1/2"H   | 78         |
| Mini Laundry Lockup     | 10200-GRAY          | 10200-SLVN         | 16-1/2"W<br>16"D<br>39-1/4"H          | 11"W<br>8-3/4"H        | 35         |

### Laundry Lockups

- Choose from three sizes: mini, standard and maxi Laundry Lockups
- Holds between 35 and 140 plus pounds of soiled products
- Provides security of soiled merchandise
- Prevents theft and misuse of secured merchandise
- Reduces fire and sanitation hazards

| Folded Garment Dispensers |                     |                    |           |                              |                 |            |
|---------------------------|---------------------|--------------------|-----------|------------------------------|-----------------|------------|
| Description               | Garment Gray Part # | Silver Vein Part # | Lock Type | Overall Dimensions           | Door Dimensions | Wt. (lbs.) |
| 9 Compartment             | 13100-GRAY          | N/A                | Cam       | 24"W<br>16"D<br>80"H         | 19-1/2"W<br>8"H | 122        |
|                           | 13700-GRAY          | N/A                | Turn Knob |                              |                 |            |
| 10 Compartment            | 12100-GRAY          | N/A                | Cam       | 16-1/2"W<br>16"D<br>77-1/2"H | 12"W<br>7"H     | 100        |
|                           | 12700-GRAY          | N/A                | Turn Knob |                              |                 |            |
| 16 Compartment            | 11100-GRAY          | N/A                | Cam       | 16-1/2"W<br>16"D<br>77-1/2"H | 12"W<br>4-1/2"H | 111        |
|                           | 11700-GRAY          | N/A                | Turn Knob |                              |                 |            |

### Folded Garment Dispensers

- Individual locker gives the user their own locked compartment for personal belongings including uniforms, equipment, supplies, or tools
- Simultaneous access to all lockers by management is available through the master door
- Simply turn one key and open all locker compartments at once
- Penco folded garment lockers are furnished with standard cam locks or turn knobs



Maxi Laundry Lockup

Standard Laundry Lockup

Mini Laundry Lockup

#### Locks & Knobs



Cam Lock with 2 keys



Master Keyed Combination Lock



Turn Knob (padlock not included)

#### Optional Accessories



Open Base



Closed Base



Garment Gray



Silver Vein

Choice of two powder coated colors on most models.



The parent company of Penco Products and its affiliates is Industrial Manufacturing Company (IMC). IMC and its international arm, IMCI, are a proud family of companies that produce a wide variety of innovative products for industry.

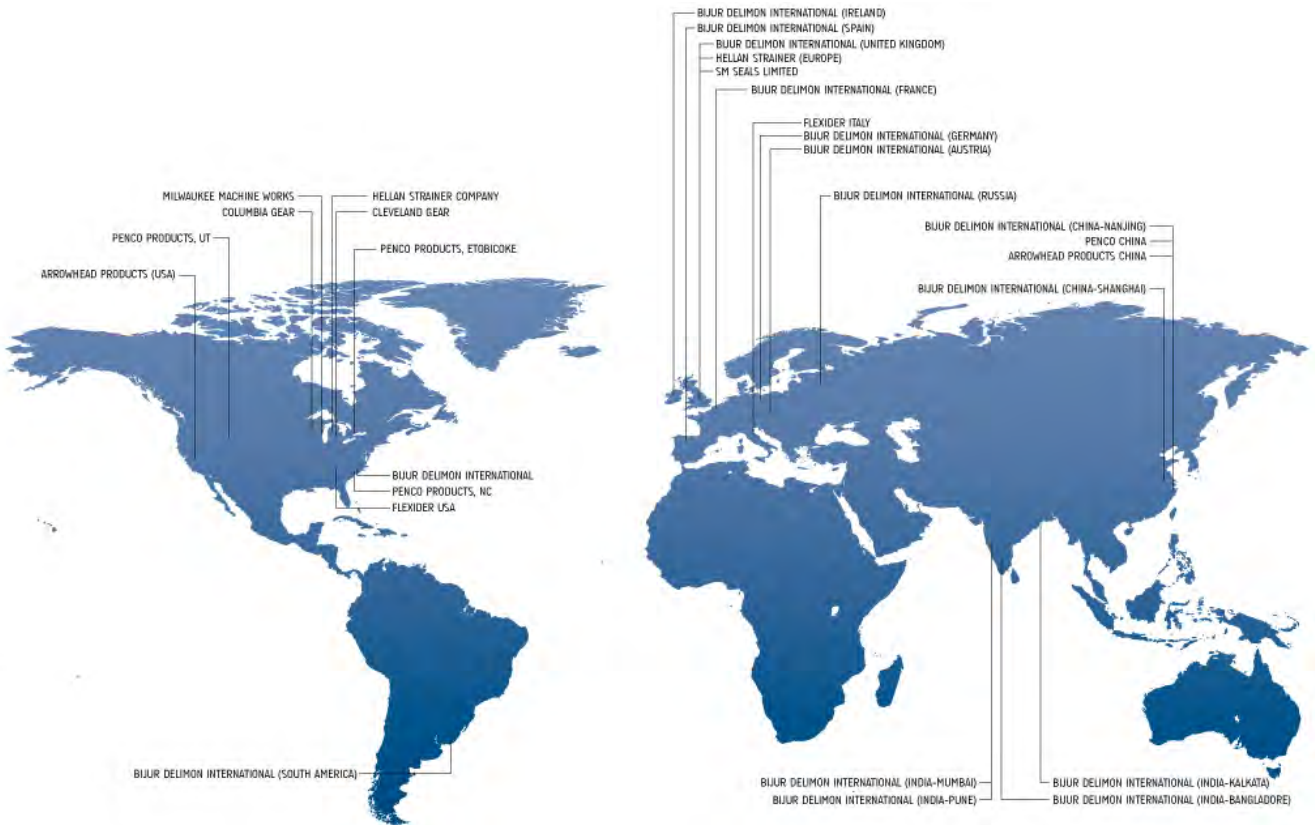
With more than 3,500 direct employees and over 34 worldwide manufacturing, sales and distribution facilities, we provide tier-one products and services to some of the most demanding industries imaginable.

This vast diversity of global resources and networking infrastructure allows us to utilize the strengths of each company, learn from each other and create a technological advantage within each industry. Common to every associate in our family

of companies, is the profound respect for and the integrity of established industrial principles and practical openness to applications of new technology. With individual company histories spanning decades, and in two cases, more than a century, the IMC and IMCI companies are time-tested leaders in their national and global markets.



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