

SNYDER



Equipment, Inc.

Storing, Rolling, Lifting since 1947

PRODUCT INFORMATION

Penco Lockers

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L-2008

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Steel Lockers



Company Background

Penco traces its origin to 1869, the year L. Lewis Sagendorph founded the Penn Metal Corporation of Pennsylvania. The company made 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 relocated to a new facility in Oaks, Pennsylvania, near Valley Forge.

Expansion occurred again in 1994 with an additional manufacturing plant in Salt Lake City, Utah. In 2001, the east coast manufacturing facilities were moved from Oaks to a 400,000 square foot plant in Hamilton, North Carolina, allowing significant room for expansion. The corporate headquarters remains in Pennsylvania. Distribution centers have been added in strategic locations for quick shipment of stock products.

Today, in addition to a wide variety of lockers, Penco is a leading manufacturer of quality industrial shelving, pallet rack, work platforms, storage cabinets and work benches. All products are available through a nationwide network of distributors, serviced by a team of District Sales Managers.

Penco's mission is to provide customers with the best value and the finest storage products available. You can "put the load on Penco" with confidence.



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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, All-Welded, ProTough and Angle Iron (with available modifications). Also, consider the SmartLocker® electronic system which features touchless entry. 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. We recommend field drilling for these shelf locations on smaller requirements. The owner or architect may also require a handicapped access sign be placed on the door.



Other handles and configurations may sometimes be specified, but those above 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 factory representative for assistance, or go to www.access-board.gov/adaag/html/adaag.htm for a complete text of the ADA Accessibility guidelines.

Environmental Information

- Penco's primary raw material is steel for which our source mills report an average of at least 25% recycled content.
- Powder coating operations in both plants drastically reduce waste through high efficiency application & recovery methods and the absence of harmful VOCs (volatile organic compounds).
- Our packaging contain at least 20% post-consumer recycled content.
- Over 40% of the U.S. population lives within a 500 mile radius of one of our manufacturing locations, requiring less fuel to ship our products to your destination.



Penco Affiliates



Schmidt Structural Products, Inc.

For over 40 years, Schmidt Structural Products, Inc. (formerly W.A. Schmidt) has designed, manufactured and installed structural steel mezzanines to expand floor space quickly and economically. A mezzanine can double or even triple existing space at up to 80% less than the cost of a building addition. For health clubs, it's an economical way to create new space for extra activities to help attract and retain new members.

www.schmidtstructural.com www.athleticstructures.com

All Star Bleachers, Inc.

For more than 50 years, All Star has been a leading designer and manufacturer of bleachers and grandstands for all indoor and outdoor seating applications. All Star takes pride in providing products of consistently high quality, but also in responsive service and realistically competitive prices. Products range from a simple team bench to a grandstand that meets the VIP seating requirements of a NASCAR race.

www.allstarbleachers.com

Terms Used in This Catalog

KD: Knocked Down, or lockers that are shipped unassembled for assembly and 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. Some lockers are manufactured for this; others are single row lockers fastened together.

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

Ventilation

Louvers



For ventilation through the door. Pattern varies with door size (full length louvers are available as an option). *Standard on Vanguard and available on Guardian, Invincible II, All-Welded and ProTough.*

Visual Perforations



Patterns of 5/8" x 1-1/8" rectangular slots which provide high visibility and air flow. *Available on Vanguard.*

Diamond Shaped Perforations



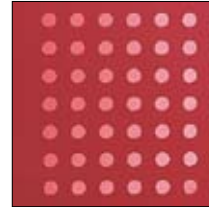
Popular in applications which require maximum ventilation. *Standard on Invincible II, Stadium, All-Welded, Angle Iron and ProTough.*

Mini Louvers



Provides a high degree of ventilation while keeping contents out of view. *Available on all lockers and Standard for Stadium Foot Lockers.*

Round Hole Perforations on Sides



Provided as an option to increase ventilation on body parts. *Available on Vanguard and Guardian sides. Also available on locker shelves.*

Expanded Metal Sides



Popular in applications which require maximum ventilation. *Available on Angle Iron Lockers (sides only).*

Handle and Latching Types

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.*

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 and Guardian PLUS lockers. Also Standard on Invincible II, All-Welded and ProTough.*

This is the preferred handle for ADA lockers.



Back of Classic III Recessed Handle

Cremone Multi-Point Handle



An unbreakable steel handle welded to a 3 point latching system. 3/8" latching rod engages on top and bottom of door frame. 1/8" thick center latch locks center of door to frame. Not ADA compliant. *Available on 1 and 2 tier Angle Iron and ProTough.*



Top of Door



Middle of Door



Bottom of Door

Defiant II Single Point Latch



K.D. Hasp



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



Welded Hasp

ProTough Single Point Latch Doors



Stainless steel deep drawn pocket with no moving parts. Handle is a deep drawn stainless steel pocket. A full, 18 gauge reinforcing pan is welded to the inside of the 14 gauge door to increase rigidity. The steel staple (locking point) is 11 gauge steel welded to the door frame and tubular side support which is also welded to the side. *Available on single point ProTough lockers of 1 to 3 tier.*



Box Locker Doors



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

Spring Loaded Positive Latch



This latch is available as an option on heavy duty box lockers (shown with optional padlock strike).

Features and Options



Penco LOCKERS AT A GLANCE - Availability of Features & Options on 8 basic Penco locker types.

Description	Knocked Down			KD or Welded	Welded Construction			
	Vanguard	Guardian	Invincible II	Stadium	All-Welded	Angle Iron	Pro-Tough	Smart-Locker
Legs and Bases								
6" Legs	S	S	S	N/A	N/A	N/A	N/A	N/A
4" Legs	N/A	N/A	N/A	N/A	A	N/A	N/A	N/A
No Legs	A	A	A	S	S	S	S	S
Front Base	A	A	A	N/A	N/A	N/A	N/A	N/A
End Base	A	A	A	N/A	N/A	N/A	N/A	N/A
Zee Bases	A	A	A	N/A	N/A	N/A	N/A	N/A
Channel Base, Integral	N/A	N/A	N/A	W	A	A	A	A
Handles								
Vanguard Handle	S	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Recessed Handle for Multi-Point Latch	A	S	S	N/A	S	A	S	N/A
Defiant II Single Point Latch (Recessed)	N/A	A*	A	N/A	A	S	A	N/A
Friction Catch Door Pull (Box Lockers)	S	N/A	S	A	S	S	S	N/A
Cremona Turn Handle (3 Point Latch)	N/A	N/A	N/A	N/A	N/A	A	A	N/A
Spring Loaded Box Locker Latch	N/A	N/A	A	N/A	A	A	A	N/A
Doors and Ventilation								
Standard Louvers	S	A*	A	N/A	A	A	A	A
Full Louvers	A	A*	A	N/A	A	A	A	A
Mini Louvers	A	A*	A	Foot Locker	A	A	A	A
No Louvers - No Perforations in the Door	A	S	A	N/A	A	A	A	S
Diamond-Shaped Door Perforations	N/A	A*	S	N/A	S	S	S	A
Visual Perforations in Door (5/8"w x 1-1/8"h)	A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Double Pan Door with Single Point Latch	N/A	N/A	N/A	N/A	N/A	N/A	A	N/A
Fire Extinguisher Door	A	A	A	N/A	A	A	A	N/A
Waste Bin Door	A	A	A	N/A	A	A	A	A
Sound-Dampening Panel (Louvers N/A)	A	A	N/A	N/A	N/A	N/A	N/A	N/A
Heavy 14 Gauge Door	N/A	A	S	N/A	S	S	S	S
Double Rivet Hinges	S	S	S	N/A	N/A	N/A	N/A	N/A
Five Knuckle Butt Hinges, 3" high	N/A	N/A	N/A	N/A	N/A	S	N/A	N/A
Continuous Hinge	N/A	A**	A**	Box, Foot Locker	S	A	S	S
Miscellaneous								
Non-Standard Gauges	A	A	N/A	N/A	N/A	N/A	N/A	N/A
Round Perforations in the Sides	A	A	N/A	N/A	N/A	N/A	N/A	N/A
Diamond Shaped Perforations in the Sides	N/A	N/A	S	S	S	***S	***S	A
Expanded Metal Sides	N/A	N/A	N/A	N/A	N/A	A	N/A	N/A
Individual Sloping Tops	A	A	N/A	N/A	N/A	N/A	N/A	N/A
Continuous Slope Hoods	A	A	A	A	A	A	A	A
Slope Top Kits	A	A	N/A	N/A	N/A	N/A	N/A	N/A
Factory Assembly	A	A	A	A	S	S	S	S
Recessed Trim	A	A	A	A	A	A	A	A
Finished End Panel	A	A	A	N/A	A	A	A	A
Heavy Gauge End Panel (16 ga.)	A	A	S	S	S	A	A	S
Handicap Lockers	A	A	A	N/A	A	A	A	A

S = Standard W = All-Welded Models Only A = Available Options N/A = Not Available
 *Available with Optional 14 gauge door only. ** Available with Defiant Option Only ***14 Gauge Steel



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 daily use and abuse typically given to a locker.

The powder coat baked enamel finish is available in 21 standard colors, with body parts finished same color as the doors.



To reduce noise, the latch channels have unique nylon glides and the latch hooks have 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.



1 Tier

2 Tier

3 Tier

1 Tier

2 Tier

3 Tier

Vanguard Standard with Die-Cast Handle



The patented die-cast Vanguard handle pulls out with a simple motion for opening. You close the door with one motion of the hand, and the spring-loaded latch clips will secure the door even with a lock engaged.

Vanguard with Classic III Recessed Handle



Our one piece deep drawn Classic III stainless steel recessed handle eliminates protrusions at the locker front and accepts a built-in lock or padlock. Door can be closed with lock engaged. Standard on QuickShip 1, 2 & 3 tier lockers in 028 Gray and 073 Champagne. Handle is ADA compliant.

Single Tier – 60" and 72" high single tier lockers have a shelf for storage of books and small articles. Lockers 18" deep or more come with a coat rod in addition to coat hooks.

Double Tier – Accommodates twice as many people as single tier lockers in the same floor space.

Three Tier – Part numbers for the Vanguard Handle and Classic III Recessed Pocket are on this page while the three tier Box Locker with the Door Pull are on the facing page.

W	D	Single Tier				Double Tier						Three Tier			
		Vanguard Handle		Recessed Handle		Vanguard Handle			Recessed Handle			Vanguard Handle		Recessed Handle	
		60"	72"	60"	72"	60"	72"	84"	60"	72"	84"	60"	72"	60"	72"
9	12	6101V	6151V	6101R	6151R	6201V	6221V		6201R	6221R				6401R	6413R
9	15	6103V	6153V	6103R	6153R	6203V	6223V		6203R	6223R				6403R	6415R
9	18	6105V	6155V	6105R	6155R	6205V	6225V		6205R	6225R				6405R	6417R
12	12	6111V	6161V	6111R	6161R	6211V	6231V	6251V	6211R	6231R	6251R	6407V	6419V	6407R	6419R
12	15	6113V	6163V	6113R	6163R	6213V	6233V	6253V	6213R	6233R	6253R	6409V	6421V	6409R	6421R
12	18	6115V	6165V	6115R	6165R	6215V	6235V	6255V	6215R	6235R	6255R	6411V	6423V	6411R	6423R
12	21	6117V	6167V	6117R	6167R	6217V	6218V		6217R	6218R		6449V		6449R	6499R
12	24	6118V	6168V	6118R	6168R	6200V	6220V		6200R	6220R					
15	12	6119V	6169V	6119R	6169R	6227V	6239V		6227R	6239R				6472V	6472R
15	15	6121V	6171V	6121R	6171R	6229V	6241V	6261V	6229R	6241R	6261R	6494V		6494R	
15	18	6123V	6173V	6123R	6173R	6237V	6243V	6263V	6237R	6243R	6263R	6496V		6496R	
15	21	6125V	6175V	6125R	6175R	6257V	6245V		6257R	6245R					
15	24	6126V	6177V	6126R	6177R	6258V	6246V			6246R					
18	15	6134V	6180V	6134R	6180R		6259V			6259R					
18	18	6131V	6181V	6131R	6181R		6247V			6247R					
18	21	6133V	6183V	6133R	6183R		6249V			6249R					
18	24	6135V	6185V	6135R	6185R		6250V			6250R					
24	18	6149V	6196V	6149R	6196R										
24	21	6158V	6198V	6158R	6198R										
24	24	6160V	6199V	6160R	6199R		6274V			6274R					

NOTE: 1, 2, 3, 4, 5 & 6 tier, 2 Person, Duplex, Dual and Box Over are ordered by the **FRAME**. 7, 8, 16 Person and Wall Mounted are ordered by the entire unit. Overall height does not include legs.

Vanguard™ Lockers



2 Person



Duplex



3 Tier



4 Tier



5 Tier



6 Tier

2 Person Lockers

A space saving model that has ample room for two people while occupying about the same space as a single tier locker. Full width book compartment doors. Coat rods are included in lockers 18" deep or more.



← Hidden door release for 2 Person lockers.

Duplex Lockers

An economical way to provide full length locker convenience in a small amount of floor space. Two private lockers are combined in one frame. Door openings are 6" wide and each locker contains a 7-1/2" wide shelf located 18" from the top.

Multiple Tier Box Lockers

Also known as "box lockers" for their compact dimensions, Penco multiple tier lockers allow numerous users in the smallest amount of floor space. Box locker doors have a functional friction catch latch that permits the use of built-in locks or padlocks. They are ideal for storage of athletic gear or employee personal storage. Can be locked with padlocks or built-in locks.



All Vanguard Door hinges are welded to the door frame and riveted to the door. Doors have a continuous door strike on the inside and outside of the welded door frame.



Friction Catch Door Pull



Two Person and Duplex are available with Standard Vanguard Die-Cast Handle and Classic III Recessed Pocket →



W	D	2 Person				Duplex			
		Vanguard Handle		Recessed Handle		Vanguard Handle		Recessed Handle	
		60"	72"	60"	72"	60"	72"	60"	72"
15	12	6510V	6500V	6510R	6500R				
15	15	6506V	6501V	6506R	6501R	6519V	6531V	6519R	6531R
15	18	6437V	6503V	6437R	6503R	6521V	6533V	6521R	6533R
15	21		6505V		6505R		6535V		6535R
18	15		6509V		6509R				
18	18		6515V		6515R				
18	21		6525V		6525R				

Vanguard Box Lockers								
W	D	3 Tier		4 Tier		5 Tier		6 Tier
		20"	24"	15"	18"	12"	14-2/5"	12"
9	12	6301V	6313V					
9	15	6303V	6315V					
9	18	6305V	6317V					
12	12	6307V	6319V	6325V	6331V	6343V	6353V	6365V
12	15	6309V	6321V	6327V	6337V	6345V	6355V	6367V
12	18	6311V	6323V	6329V	6339V	6347V	6357V	6369V
12	21	6349V	6399V	6393V	6395V		6435V	6371V
15	12		6372V					6363V
15	15		6394V	6333V	6431V	6351V	6359V	6373V
15	18		6396V		6433V	6397V	6361V	6375V
15	21							6377V
18	18		6335V					6379V
18	21							6378V

Additional sizes are available for most locker types. Consult your Penco representative.

FOR SAFETY PURPOSES WE STRONGLY RECOMMEND THAT ALL LOCKERS BE EITHER FLOOR OR WALL ANCHORED.



Vanguard™ Specialty Lockers



Dual



Box Over



The Executive
(shown with optional front & end bases)



7 Person



8 Person

Dual 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.

Box Over Lockers

Provides for independent lockable storage above the main single tier locker. This is a 72" door frame with a 60" high standard Vanguard Door.

Width	Depth	Height	Cat. No.
12	12	72	6439V
12	15	72	6441V
12	18	72	6443V
15	15	72	6436V
18	18	72	6445V
18	21	72	6447V

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).

Width	Depth	Body Height	Cat. No.
45	18	13-5/8	68242

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 available Classic III stainless steel recessed handle.

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.

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

Width	Depth	Height	Cat. No.
36	18	72	6573V
36	21	72	6575V

8 Person

54	18	72	6577V
----	----	----	-------

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.

Width	Depth	Height	Cat. No.
69	18	72	6579V

Half Height Locker, 1 Tier

Available in 30-1/2", 36-1/2" and 48-1/2" heights.



Width	Depth
12	x 12
12	x 15
12	x 18

Only 48-1/2" high lockers include a shelf for storage of books and small articles.

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".



Popular Sizes and Styles for Quick Shipment *

- 1, 2 & 3 Tier Models have Recessed Handles
- Groupings of 1 Wide & 3 Wide
- Flat Tops (Slope Top available as accessory)
- 6" High Legs

- Choice of Color: 028 Gray or 073 Champagne
- Factory Locker Assembly Available
- Unit Packaging - Number Plates Included
- Locker Accessories In Stock:**
 - Locker Room Benches & Pedestals
 - Slope Top Kits (1 & 3 wide)
 - Front and End Bases
 - Fillers & Wall Angles
 - Flat Key Dead Bolt Locks
 - Concrete Floor Anchors



1 Tier 2 Tier 3 Tier 5 Tier 6 Tier Sixteen Person Wall Mount

* 72 hours for KD (unassembled) products; 5 work days or less for assembled lockers.

** Accessories are shipped in separate cartons and must be field installed.

Size in Inches +			Grouping++	028 Gray	073 Champagne		
W	D	H		Cat. No.	Cat. No.		
1 Tier							
	12	12	60	1 Wide	68001R028	68001R073	
	12	15	60	1 Wide	68011R028	68011R073	
	12	18	60	1 Wide	68021R028	68021R073	
	12	12	72	1 Wide	68051R028	68051R073	
	12	15	72	1 Wide	68061R028	68061R073	
	12	18	72	1 Wide	68071R028	68071R073	
	15	18	72	1 Wide	68091R028	68091R073	
	18	18	72	1 Wide	68101R028	68101R073	
	12	12	60	3 Wide	68003R028	68003R073	
	12	15	60	3 Wide	68013R028	68013R073	
	12	18	60	3 Wide	68023R028	68023R073	
	12	12	72	3 Wide	68053R028	68053R073	
	12	15	72	3 Wide	68063R028	68063R073	
	12	18	72	3 Wide	68073R028	68073R073	
	15	18	72	3 Wide	68093R028	68093R073	
	18	18	72	3 Wide	68103R028	68103R073	
	2 Tier						
		12	12	30	1 Wide	68111R028	68111R073
		12	12	36	1 Wide	68121R028	68121R073
		12	15	36	1 Wide	68131R028	68131R073
12		18	36	1 Wide	68141R028	68141R073	
	15	18	36	1 Wide	68261R028	68261R073	
		12	12	30	3 Wide	68113R028	68113R073
12		12	36	3 Wide	68123R028	68123R073	
12		15	36	3 Wide	68133R028	68133R073	
12		18	36	3 Wide	68143R028	68143R073	
15		18	36	3 Wide	68263R028	68263R073	

Size in Inches +			Grouping++	028 Gray	073 Champagne	
W	D	H		Cat. No.	Cat. No.	
3 Tier						
	12	12	24	1 Wide	68331R028	68331R073
	12	15	24	1 Wide	68341R028	68341R073
	12	18	24	1 Wide	68351R028	68351R073
	12	12	24	3 Wide	68333R028	68333R073
	12	15	24	3 Wide	68343R028	68343R073
	12	18	24	3 Wide	68353R028	68353R073
5 Tier						
	12	12	12	1 Wide	68161X028	68161X073
	12	15	12	1 Wide	68171X028	68171X073
	12	12	12	3 Wide	68163X028	68163X073
	12	15	12	3 Wide	68173X028	68173X073
6 Tier						
	12	12	12	1 Wide	68191X028	68191X073
	12	15	12	1 Wide	68201X028	68201X073
	12	18	12	1 Wide	68211X028	68211X073
	12	12	12	3 Wide	68193X028	68193X073
	12	15	12	3 Wide	68203X028	68203X073
	12	18	12	3 Wide	68213X028	68213X073
16 Person						
	69	18	72	1 Wide	68231X028	68231X073
Wall Mount						
	45	18	13-5/8	1 Wide	68242X028	68242X073

Colors shown are approximate. For a more reliable color representation, request a copy of the Penco Color Chart.



+ 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 indicate the unit of sale; i.e. Cat. No. 68003R028 is for one frame of a 12"x12"x60" 1 tier locker, but since it is packaged in a group of 3, it must be ordered in multiples of 3.

Note: Penco Clipper® Shelving is also available in the QuickShip program.

FOR SAFETY PURPOSES WE STRONGLY RECOMMEND THAT ALL LOCKERS BE EITHER FLOOR OR WALL ANCHORED.



Vanguard™ Specifications

MATERIALS:

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

HINGES: .074" thick, 2" high, double spun, full loop, tight pin, five-knuckle butt hinges, projection welded to door frame and securely fastened to the door with 2 steel rivets. Doors over 48" high shall have three hinges, all other doors shall have two hinges.

FINISHING: Chemically pretreat metal with a six stage cleaning phosphatizing and metal preparation process. Finish coat shall be electrostatically applied powder coat enamel properly cured to paint manufacturer specifications to achieve optimum performance. All lockers shall be painted inside and outside with the same color.

EQUIPMENT: Coat hooks and coat rods are zinc plated. Truss fin head bolts and hex nuts are zinc plated.

FABRICATION GENERAL:

CONSTRUCTION: Built on the unit principle - each locker shall have an individual door and frame, individual top, bottom, back and shelves with common intermediate uprights separating compartments. Lockers shall be fabricated square, rigid and without warp. Doors shall be flat and free of distortion.

DOOR FRAME: All door frame members 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. Intermembering parts to be mortised and tenoned and electrically welded together in a rigid assembly capable of resisting strains.

Cross frame members of 16 gauge channel shapes including intermediate cross frame on double and triple tier lockers shall be securely welded to vertical framing members to ensure rigidity.

BODY: Bolt spacing in locker body construction not to exceed 9" o.c. All locker body components shall be made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points. Tops & bottoms shall be 24 gauge with three sides formed 90° and the front offset formed to be flush with the horizontal frame member. Shelves shall be 24 gauge with four sides formed to 90°, the front edge shall have a second bend. Backs & sides shall be 24 gauge.

DOORS: Doors 30" or higher shall be formed from one piece 16 gauge cold rolled sheet steel. Doors less than 12" wide shall be minimum of 18 gauge. Formations shall consist of a full channel shape on the lock side of adequate depth to fully conceal the lock bar, channel formation on the hinge side, and right angle formations across the top and bottom. Doors over 15" wide x 60" & 72" high shall have a 3" wide 20 gauge full height reinforcing pan welded to the inside face of the door on 6" centers.

Doors for box lockers 3, 4, 5, and 6 tier high shall have channel formations on lock and hinge side and have right angle flanges on the top and bottom. Doors less than 15" wide shall be 18 gauge, 15" wide or wider shall be 16 gauge. Box locker door for 3, 4, 5, and 6 openings high shall be pre-punched for padlock latch and friction catch and built-in combination and key locks.

DOOR HANDLE 1 & 2 TIER, 2 PERSON & DUPLEX: Handle to consist of zinc alloy die-cast case and handle. 40,000 PSI maximum tensile strength, chrome plated. Handle to be pulled out to move up latch bar and open door in one motion. Padlock eye for use with 9/32" diameter padlock shackle to be an integral part of handle and to be so located that extension of handle forms a padlock strike. Attachment to latch bar shall be tamper-proof and concealed inside the door. The case shall be kick proof type, shielding the movable part and provide a padlock strike to prevent scratching and marring the door. A lock hole cover plate shall be provided for use with padlocks.

DOOR LATCHING 1 & 2 TIER, 2 PERSON & DUPLEX: Doors to have latch clip engaging the door frame at three points on doors over 42" high and two points on all other doors. Locking device to be positive, automatic type, whereby locker door may be locked when open, then closed without unlocking. One rubber silencer shall be firmly secured in the frame at each heavy gauge latch hook. Latch clips shall be glass filled nylon for long life and low friction and shall hold doors shut by engaging the latch hooks. The latch channel assembly shall be quieted by the use of unique nylon glides to reduce noise.

DOOR HANDLE & LATCHING 3 TO 6 TIER BOX LOCKERS: Doors shall be punched for use with padlocks or built-in locks. Doors for use with padlocks shall be equipped with an 18 gauge combination door pull, staple and lock hole cover plate with integral friction catch.

VENTILATION: Lockers with doors 36" to 72" high shall have two sets of louvers, one set near the top of the door and another set near the bottom of the door. Lockers with doors 30" or less in height, shall have a minimum of one set of louvers.

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

INTERIOR EQUIPMENT: Single-tier lockers 48-1/2" or higher shall have a hat shelf located approximately 9" below the top of locker; if less than 18" deep, locker shall have three single-prong hooks and one double-prong ceiling hook. Single tier lockers 18" or more in depth shall have a coat rod instead of a ceiling hook. 30" & 36" high lockers shall have three single-prong wall hooks and one double-prong ceiling hook. Hooks to be attached with two bolts per hook. 20" & 24" high lockers to have three wall hooks for 12" wide, and four wall hooks for 15" wide and wider.

LOCKER ACCESSORIES: See locker Accessory Specifications.

OPTIONS:

BODY: Locker shall be assembled using rivets.

RECESSED HANDLE 1, 2 & 3 TIER LATCHING: Delete the standard handle and provide handle recessed in the door with finger lift control. 20 gauge drawn pocket shall be brushed stainless steel securely fastened to the door with two tabs plus a positive tamper resistant decorative fastener. The pocket shall be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. A lock hole cover plate shall be provided for use with padlocks.

The lifting piece shall be 14 gauge formed steel, attached to the latching channel with one concealed retaining lug and one rivet assuring a positive two point connection. Handle finger lift shall have a padlock eye for use with a 9/32" diameter padlock shackle. It shall have a sound deadening molded comfortable finger lift. Note: adding a recessed handle changes the lower louver pattern.

HUSH TONE SOUND-DAMPENING PANELS: Panels are designed to reduce sound levels when doors are slammed. They are 22 gauge and are die formed and have a full perimeter flange spot welded flush to the inside door surface. Louvers are not used when sound-dampening panels are provided.

SIDE AND BACK VENTILATION: Sides and/or backs shall be perforated with 1/2" diameter holes in patterns of 42 holes per group.

DOOR VENTILATION: Visual perforations shall consist of 5/8" wide x 1-1/8" high rectangular perforations in the door in standard manufacturer's patterns. Doors with visual perforations shall not have louvers.

Mini louvers shall be 5/8" wide x 1/4" high and be placed in doors in manufacturer's standard pattern. Doors with mini louvers shall not have standard louvers.

ADA COMPLIANT LOCKERS: Handicap lockers shall have recessed handles and shall be single tier or the lower opening of a double tier locker. Locker bottom shall be a minimum of 9" off the floor, or an extra shelf placed 9" off the floor. Single tier lockers shall have a shelf 48" off the floor. Doors assigned for handicapped use shall have an appropriate symbol sign.

EXECUTION:

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

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

INSTALL SLOPING HOODS AND METAL FILLERS using concealed fasteners. Provide flush hairline joints against adjacent surfaces.

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

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

TOUCH UP marred finishes with factory supplied paint.

Penco Products, Inc. reserves the right to vary specifications consistent with our policy of continuous product improvement.

Locker Installations



Double Row Vanguard Lockers with Slope Hood & Finished End Panels



Guardian Defiant II with Slope Hood and Finished End Panels



Double Row Vanguard Recessed Double Door Locker with Fin. End Panels



Invincible II Lockers on a Zee Base with Hardwood Benches



Invincible II Lockers used in the filming of "Stranger Than Fiction"



All-Welded Lockers with Louvers and Slope Hood

FOR SAFETY PURPOSES WE STRONGLY RECOMMEND THAT ALL LOCKERS BE EITHER FLOOR OR WALL ANCHORED.



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 handle is part of every Guardian. It eliminates protrusions from the locker front and accepts a built in locker pad-lock.



The 16 gauge door front has a solid exterior, aiding quiet operation. In addition to rubber bumpers on all latch hooks, the latch channel is silenced by unique nylon guides. 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.

Defiant II Single Point Latch Option

This locking option has no moving parts and allows the door to be locked at single point. See the 14 gauge Defiant II Single Point Latch option on page 15.

If desired, louvers may be added to the door on all Guardian locker options except Medallion.

NOTES: 1, 2 & 3 Tier, 2 Person and Duplex lockers are ordered by the **FRAME**. Overall heights do not include legs.

* Standard Guardian & "Medallion option" doors less than 12" wide are 18 gauge.



Single Tier

Double Tier

Three Tier

2 Person

Duplex

Single Tier								
Size (Inches)		Standard Guardian 16 ga. Door*		"Medallion" Option* 16 ga. Door		"Guardian Plus" Option w/14 ga. Door		
W	D	60" Opening Ht. Cat. No.	72" Opening Ht. Cat. No.	60" Opening Ht. Cat. No.	72" Opening Ht. Cat. No.	60" Opening Ht. Cat. No.	72" Opening Ht. Cat. No.	
9	12	6101G	6151G	6101M	6151M	6C101	6C151	
9	15	6103G	6153G	6103M	6153M	6C103	6C153	
9	18	6105G	6155G	6105M	6155M	6C105	6C155	
12	12	6111G	6161G	6111M	6161M	6C111	6C161	
12	15	6113G	6163G	6113M	6163M	6C113	6C163	
12	18	6115G	6165G	6115M	6165M	6C115	6C165	
12	21	6117G	6167G	6117M	6167M	6C117	6C167	
12	24	6144G	6168G	-	6168M	6C144	6C168	
15	12	6119G	6169G	6119M	6169M	6C119	6C169	
15	15	6121G	6171G	6121M	6171M	6C121	6C171	
15	18	6123G	6173G	6123M	6173M	6C123	6C173	
15	21	6125G	6175G	6125M	6175M	6C125	6C175	
18	18	6131G	6181G	-	6181M	6C131	6C181	
18	21	6133G	6183G	-	6183M	6C133	6C183	
18	24	6135G	6185G	-	6185M	6C135	6C185	
Double Tier								
W	D	30" Opening Ht. (60" overall ht.) Cat. No.	36" Opening Ht. (72" overall ht.) Cat. No.	30" Opening Ht. (60" overall ht.) Cat. No.	36" Opening Ht. (72" overall ht.) Cat. No.	30" Opening Ht. (60" overall ht.) Cat. No.	36" Opening Ht. (72" overall ht.) Cat. No.	
12	12	6211G	6231G	6211M	6231M	6C211	6C231	
12	15	6213G	6233G	6213M	6233M	6C213	6C233	
12	18	6215G	6235G	6215M	6235M	6C215	6C235	
12	21	6217G	6218G	6217M	6218M	6C217	6C218	
12	24	-	6220G	-	6220M	-	-	
15	12	6227G	6239G	-	6239M	6C227	6C239	
15	15	6229G	6241G	-	6241M	6C229	6C241	
15	18	6237G	6243G	-	6243M	6C237	6C243	
15	21	6257G	6245G	-	6245M	6C257	6C245	
15	24	-	6246G	-	6246M	-	-	
18	18	-	6247G	-	-	-	6C247	
18	21	-	6249G	-	-	-	6C249	



Three Tier					2 Person		Duplex		
Size (Inches)		Standard Guardian 16 ga. Door		"Medallion" Option 16 ga. Door	"Guardian Plus" Option w/14 ga. Door		Standard Guardian	"Medallion" Option	Standard Guardian
W	D	20" Opening Ht. (60" overall ht.) Cat. No.	24" Opening Ht. (72" overall ht.) Cat. No.	24" Opening Ht. (72" overall ht.) Cat. No.	20" Opening Ht. (60" overall ht.) Cat. No.	24" Opening Ht. (72" overall ht.) Cat. No.	52" Opening Ht. (72" overall ht.) Cat. No.	52" Opening Ht. (72" overall ht.) Cat. No.	72" Opening Ht. Cat. No.
12	12	6407G	6419G	6419M	6C407	6C419	-	-	-
12	15	6409G	6421G	6421M	6C409	6C421	-	-	-
12	18	6411G	6423G	6423M	6C411	6C423	-	-	-
12	21	6449G	6499G	6499M	6C449	6C499	-	-	-
15	12	-	6425G	-	-	6C425	-	-	-
15	15	6451G	6427G	-	-	6C427	6501G	6501M	6531G
15	18	6453G	6429G	-	-	6C429	6503G	6503M	6533G
15	21	6455G	6437G	-	-	6C437	-	-	-

Additional sizes are available for most locker types. Consult your Penco representative.



MATERIALS:

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

HINGES: .074" thick, 2" high, double spun, full loop, tight pin, five-knuckle hinges, projection welded to door frame and securely fastened to the door with 2 steel rivets. Doors over 48" high and less than 24" wide shall have three hinges; smaller doors shall have two hinges. Doors 24" wide x 60" or 72" high shall have one door per opening and four hinges per door.

FINISHING: Chemically pretreat metal with a six stage cleaning phosphating and metal preparation process. Finish coat shall be electrostatically applied powder coat enamel properly cured to paint manufacturer specifications to achieve optimum performance. All lockers shall be painted inside and outside with the same color.

EQUIPMENT: Coat hooks and coat rods are zinc plated. Truss fin head bolts and hex nuts are zinc plated.

FABRICATION GENERAL:

CONSTRUCTION: Built on the unit principle - each locker shall have an individual door and frame, individual top, bottom, back and shelves with common intermediate uprights separating compartments. Lockers shall be fabricated square, rigid and without warp. Doors shall be flat and free of distortion.

DOOR FRAME: All door frame members 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. Intermembering parts to be mortised and tenoned and electrically welded together in a rigid assembly capable of resisting strains.

Cross frame members of 16 gauge channel shapes including intermediate cross frame on double and triple tier lockers shall be securely welded to vertical framing members to ensure rigidity.

BODY: Bolt spacing in locker body construction not to exceed 9" o.c. All locker body components shall be made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points. Tops & bottoms shall be 24 gauge with three sides formed 90° and the front offset formed to be flush with the horizontal frame member. Shelves shall be 24 gauge with four sides formed to 90°, the front edge shall have a second bend. Backs & sides shall be 24 gauge.

DOORS: Doors 20" or higher shall be formed from one piece 16 gauge cold rolled sheet steel. Formations shall consist of a full channel shape on the lock side of adequate depth to fully conceal the lock bar, channel formation on the hinge side, and right angle formations across the top and bottom. Doors over 15" wide x 60" or 72" high shall have a 3" wide 20 gauge full height reinforcing pan welded to the inside face of the door on 6" centers. Doors less than 12" wide shall be minimum of 18 gauge.

DOOR HANDLE & LATCHING: Handles shall be recessed in the door and be finger lift control. The 20 gauge drawn pocket shall be brushed stainless steel securely fastened to the door with two tabs plus a positive tamper resistant decorative fastener. The pocket shall be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. A lock hole cover plate shall be provided for use with padlocks.

The lifting piece shall be 14 gauge formed steel, attached to the latching channel with one concealed retaining lug and one rivet assuring a positive two point connection. Handle finger lift shall have a padlock eye for use with a 9/32" diameter padlock shackle. It shall have a sound deadening molded comfortable finger lift.

Doors to have latch clip engaging the door frame at three points on 60" & 72" high and two points on 20" through 36" high doors. Locking device to be positive, automatic type, whereby locker door may be locked when open, then closed without unlocking. One rubber silencer shall be firmly secured in the frame at each heavy gauge latch hook. Latch clips shall be glass filled nylon for long life and low friction and shall hold doors shut by engaging the latch hooks. The latch channel assembly shall be quieted by the use of unique nylon glides to reduce noise.

VENTILATION: Shall be facilitated by air flow slots located in the top & bottom flange of the door. The door front shall be flush with no exposed louvers.

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

INTERIOR EQUIPMENT: Single tier lockers 48-1/2" or higher shall have a hat shelf located approximately 9" below the top of locker; if less than 18" deep, locker shall have three single-prong hooks and one double-prong ceiling hook. Single Tier lockers 18" deep or more shall have a coat rod instead of a ceiling hook. 30" & 36" high lockers shall have three single-prong wall hooks and one double-prong ceiling hook. Hooks to be steel, ball tip zinc plated, attached with two bolts per hook. 20" & 24" high lockers to have three wall hooks for 12" wide and four wall hooks for 15" and wider.

LOCKER ACCESSORIES: Lockers shall be furnished with the accessories selected from the Accessory Specifications.



OPTIONS:

BODY: Lockers shall be assembled using rivets.

DOORS: **Guardian Plus** doors shall be 14 gauge steel.

HUSH TONE SOUND-DAMPENING PANELS: Medallion Option has heavy duty panels that reduce sound levels when doors are slammed. They are 22 gauge and are die formed and have a full perimeter flange spot welded flush to the inside door surface. Louvers are not used when sound-dampening panels are provided.

DOOR VENTILATION: Mini louvers shall be 5/8" wide x 1/4" high and be placed in doors in manufacturer's standard pattern.

ADA LOCKERS: Handicap lockers shall have recessed handles and shall be single tier or the lower opening of a double tier locker. An extra shelf should be ordered to bring the lowest reach point within ADAAG guidelines and installed on site. Relocation of the hat shelf on a single tier locker may also be necessary to comply with the prescribed reach range. Doors assigned for handicapped use shall have an appropriate symbol sign.

EXECUTION:

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

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

INSTALL SLOPING HOODS AND METAL FILLERS using concealed fasteners. Provide flush hairline joints against adjacent surfaces.

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

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

TOUCH UP marred finishes with factory supplied paint.

Penco Products, Inc. reserves the right to vary specifications consistent with our policy of continuous product improvement.

GUARDIAN DEFIANT II SINGLE POINT LATCH (SPL) SPECIFICATIONS

When specifying Guardian Lockers with Defiant II Single Point Latch doors, substitute the following specifications for "Doors" and "Door Handle & Latching, 1, 2 & 3 Tier" to the Guardian specification on the previous page.

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 22 gauge 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 22 gauge 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.

The Single Point Alternative



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

- Greater tamper resistance
- Increased rigidity
- Improved performance with built-in locks



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.



Bracket Support

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



Anti-Pry Lug

Defeats prying attempts by capturing the door flange and preventing separation from the door channel.

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 K.D. bodies of 1 & 2 tier lockers with combination locks only.*



Size (Inches)		Single Tier		Double Tier		3 Tier	
W	D	60" Opening Ht. Cat. No.	72" Opening Ht. Cat. No.	30" Opening Ht. (60" overall ht.) Cat. No.	36" Opening Ht. (72" overall ht.) Cat. No.	20" Opening Ht. (60" overall ht.) Cat. No.	24" Opening Ht. (72" overall ht.) Cat. No.
12	12	6E111	6E161	6E211	6E231	6E407	6E419
12	15	6E113	6E163	6E213	6E233	6E409	6E421
12	18	6E115	6E165	6E215	6E235	6E411	6E423
12	21	6E117	6E167	6E217	6E218	6E449	6E499
12	24	-	6E168	-	6E220	-	-
15	12	6E119	6E169	6E227	6E239	-	6E425
15	15	6E121	6E171	6E229	6E241	6E451	6E427
15	18	6E123	6E173	6E237	6E243	6E453	6E429
15	21	6E125	6E175	6E257	6E245	6E455	6E437
18	15	6E149	6E179	6E279	6E259	-	-
18	18	6E131	6E181	6E281	6E247	-	-
18	21	6E133	6E183	6E283	6E249	-	-
18	24	6E135	6E185	6E285	6E250	-	-

NOTE: Order Guardian Single Point Latch lockers by the FRAME. Overall heights do not include legs.

FOR SAFETY PURPOSES WE STRONGLY RECOMMEND THAT ALL LOCKERS BE EITHER FLOOR OR WALL ANCHORED.



Invincible II™ Lockers



Single Tier

Double Tier

3 Tier

4 Tier

5 Tier

6 Tier

8 Tier

9 Tier



Penco's Invincible II athletic lockers are more attractive and durable than ever! 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: single tier, double tier, 3 tier all have as standard the Classic III stainless steel recessed handle and multi-point latching with quiet latch channels.

Standard 4, 5, 6, 8 and 9 tier box locker doors have a padlock hasp and a friction catch, and will accept built-in locks. Available at extra cost is a spring-loaded catch.

Both double tier and 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 latch hooks to reduce noise.



Classic III Stainless Steel Recessed Handle is standard on Single, Double, and 3 Tier lockers.



Latch guards welded to the door frame prevent tampering.



14 gauge diamond perforated doors allow maximum air flow while providing security.

Size (inches)		Single Tier				Double Tier		3 Tier	
W	D	36-1/2" Opening Ht.	48-1/2" Opening Ht.	60" Opening Ht.	72" Opening Ht.	30" Opening Ht. (60" overall ht.)	36" Opening Ht. (72" overall ht.)	20" Opening Ht. (60" overall ht.)	24" Opening Ht. (72" overall ht.)
9	12	-	-	6A101	6A107	-	-	-	-
9	15	-	-	6A103	6A109	-	-	-	-
9	18	-	-	6A105	6A111	-	-	-	-
12	12	6A011	6A017	6A129	6A157	6A213	6A245	6A287	6A281
12	15	6A013	6A019	6A131	6A159	6A215	6A247	6A289	6A283
12	18	6A015	6A021	6A135	6A161	6A217	6A249	6A291	6A285
12	21	-	-	6A133	6A163	-	6A251	-	-
15	15	-	-	6A143	6A169	6A225	6A257	6A293	6A301
15	18	-	-	6A145	6A171	6A239	6A259	6A295	6A303
15	21	-	-	6A147	6A173	6A241	6A261	6A297	6A305
15	24	-	-	-	6A172	-	6A253	-	-
18	15	-	-	6A149	6A175	6A223	6A263	-	-
18	18	-	-	6A151	6A177	6A227	6A265	6A220	6A221
18	21	-	-	6A153	6A179	6A229	6A267	-	-
18	24	-	-	6A155	6A181	6A231	6A269	-	-
24	15	-	-	-	6A182	-	-	-	-
24	18	-	-	6A117	6A123	6A233	6A271	-	-
24	21	-	-	6A119	6A125	6A235	6A273	-	-
24	24	-	-	6A121	6A127	6A237	6A275	-	-

NOTE: Each catalog number represents one **FRAME**. Overall height does not include legs. See How To Order Invincible II lockers on the next page. Be sure to order a Group End for every group of lockers.

Invincible II™ Lockers



Invincible II Lockers with Zee Base



Invincible II Lockers with Slope Hood and Finished End Panel



Single and Six Tier Invincible II Lockers in Mixed Group

HOW TO ORDER INVINCIBLE II:

1. Basic units: Locate the desired type and size of locker from the tables shown. (Note that only Single Row lockers are shown. Double Row [back-to-back] configurations are available and are provided with a common back and angles to connect the second row of sides to the common back—consult your Penco representative). Order the desired number of **FRAMES** of the Basic Units required. (6" high legs are standard; if no legs are required, specify when ordering). Note that a single frame of a Basic Unit has only one side, and is not complete until bolted to another locker or until a Group End has been added.

2. Group Ends: Lockers can be built in small complete groups, and then placed into long rows. To end a group or row of lockers, order either a perforated or solid 16 gauge Group End in the appropriate size (for solid group ends on lockers with common perforated sides, be sure to order a solid end for each row end). *Note that groups of lockers can be built in long rows if built in place, however groups are difficult to move if they exceed 3-wide. Consult your installer.*

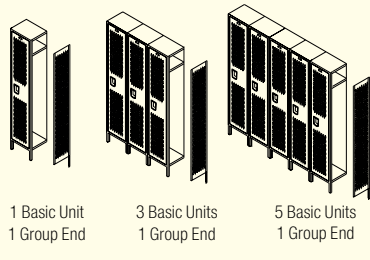
3. Slope Top:

For slope top lockers, accessorize with Slope Hood components. Closed Bases and other accessories are available. Refer to the Accessories section.

Size (inches)		4 Tier		5 Tier		6 Tier	8 Tier	9 Tier
W	D	15" Opening Ht. (60" overall ht.)	18" Opening Ht. (72" overall ht.)	12" Opening Ht. (60" overall ht.)	14-2/5" Opening Ht. (72" overall ht.)	12" Opening Ht. (72" overall ht.)	9" Opening Ht. (72" overall ht.)	8" Opening Ht. (72" overall ht.)
12	12	6A307	6A319	6A351	6A363	6A375	6A393	6A407
12	15	6A309	6A321	6A353	6A365	6A377	6A395	6A409
12	18	6A311	6A323	6A355	6A367	6A379	6A397	6A411
12	21	-	-	-	-	6A381	-	-
15	15	6A313	6A331	6A357	6A369	6A383	6A401	6A413
15	18	6A315	6A335	6A359	6A371	6A385	6A403	6A415
15	21	-	-	6A361	6A373	6A389	6A405	6A417
18	18	-	-	6A419	6A445	6A423	-	-
18	21	-	-	6A421	6A447	6A425	-	-

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.



Size (inches)		Perforated Group End Single Row		Solid Group End Single Row	
D	H	1, 2, 3, 4, 5 & 6 Tier	8 & 9 Tier	1, 2, 3, 4, 5 & 6 Tier	8 & 9 Tier
12	36-1/2	603600V	-	603601S	-
15	36-1/2	603602V	-	603603S	-
18	36-1/2	603704V	-	603605S	-
12	48-1/2	603606V	-	603607S	-
15	48-1/2	603608V	-	603609S	-
18	48-1/2	603700V	-	603701S	-
12	60	602100V	-	602101S	-
15	60	602102V	-	602103S	-
18	60	602104V	-	602105S	-
21	60	602106V	-	602107S	-
24	60	602108V	-	602109S	-
12	72	602110V	602120V	602111S	602121S
15	72	602112V	602122V	602113S	602123S
18	72	602114V	602124V	602115S	602125S
21	72	602116V	602126V	602117S	602127S
24	72	602118V	-	602119S	-



Invincible II™ Specifications

MATERIALS:

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

HINGES: .074" thick, 2" high, double spun, full loop, tight pin, five-knuckle hinges, projection welded to door frame and securely fastened to the door with 2 steel rivets. Doors over 48" high shall have three hinges, all other doors shall have two hinges except the 24" wide x 60" or 72" doors which shall have four hinges.

FINISHING: Chemically pretreat metal with a six stage cleaning phosphatizing and metal preparation process. Finish coat shall be electrostatically applied powder coat enamel properly cured to paint manufacturer specifications to achieve optimum performance. All lockers shall be painted inside and outside with the same color.

EQUIPMENT: Coat hooks and coat rods are zinc plated. Truss fin head bolts and hex nuts are zinc plated.

FABRICATION GENERAL:

CONSTRUCTION: Built on the unit principle - each locker shall have an individual door and frame, individual top, bottom, back and shelves with common intermediate uprights separating compartments. Lockers shall be fabricated square, rigid and without warp. Doors shall be flat and free of distortion.

DOOR FRAME: All door frame members 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. Intermembering parts to be mortised and tenoned and electrically welded together in a rigid assembly capable of resisting strains.

Cross frame members of 16 gauge channel shapes including intermediate cross frame on double and triple tier lockers shall be securely welded to vertical framing members to ensure rigidity.

BODY: Bolt spacing in locker body construction not to exceed 9" o.c. All locker body components shall be made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points. Tops & bottoms shall have three sides formed 90° and the front offset formed to be flush with the horizontal frame member. Shelves shall have sides formed to 90°, the front edge shall have a second bend. Backs shall be 18 gauge; all other body parts shall be 16 gauge.

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

Doors for box lockers 4, 5, 6, 8 & 9 tiers high shall be 14 gauge steel and have channel formations on lock side and hinge side and have right angle flanges on the top and bottom.

DOOR HANDLE & LATCHING 1, 2 & 3 TIER: Handles shall be recessed in the door and be finger lift control. The 20 gauge drawn pocket shall be brushed stainless steel securely fastened to the door with two tabs plus a positive tamper resistant decorative fastener. The pocket shall be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. A lock hole cover plate shall be provided for use with padlocks.

The lifting piece shall be 14 gauge formed steel, attached to the latching channel with one concealed retaining lug and one rivet assuring a positive two point connection. Handle finger lift shall have a padlock eye for use with a 9/32" diameter padlock shackle. It shall have a sound deadening molded comfortable finger lift.

Doors to have latch clip engaging the door frame at three points on 60" & 72" high and two points on 20" through 36" high doors. Locking device to be positive, automatic type, whereby locker door may be locked when open, then closed without unlocking. One rubber silencer shall be firmly secured in the frame at each heavy gauge latch hook. Latch clips shall be glass filled nylon for long life and low friction and shall hold doors shut by engaging the latch hooks. Latch hooks on diamond-perforated lockers shall have tamper guards. The latch channel assembly shall be quieted by the use of unique nylon glides to reduce noise.

DOOR HANDLE & LATCHING 4 TO 9 TIER BOX LOCKERS: Doors shall be punched for use with padlocks or built-in locks. Doors for use with padlocks shall be equipped with an 18 gauge combination door pull, staple and lock hole cover plate with integral friction catch.

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

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

INTERIOR EQUIPMENT: Single-tier lockers 48-1/2" or higher shall have a hat shelf located approximately 9" below the top of locker; if less than 18" deep, locker shall have three single-prong hooks and one double-prong ceiling hook. Single Tier lockers 18" deep or more shall have a coat rod instead of a ceiling hook. 30" & 36" high lockers shall have three single-prong wall hooks and one double-prong ceiling hook. Hooks to be steel, ball tip zinc plated, attached with two bolts per hook. 20" & 24" high lockers to have three wall hooks.

LOCKER ACCESSORIES: Lockers shall be furnished with the accessories selected from the Accessory Specifications.

OPTIONS:

BODY: Lockers shall be assembled using rivets.

DOORS: Box locker doors 4 to 9 tier, as an alternative option each door shall be furnished with a stainless steel padlock strike.

DOOR HANDLE & LATCHING 4 TO 9 TIER BOX LOCKERS: As an alternate option, each door shall be provided with a finger operated 11 gauge slam latch with an electrogalvanized trigger, and a spring contained in a 14 gauge case welded to the door. The spring latch engages a 13 gauge hasp welded to the frame. Rubber bumpers shall be securely installed in the frame.

DOOR VENTILATION: Standard louvers or mini louvers (5/8" wide x 1/4" high) may be substituted for diamond perforations in doors. All louvers and perforations shall be placed in doors according to manufacturer's standard pattern.

ADA COMPLIANT LOCKERS: Handicap lockers shall have recessed handles and shall be single tier or the lower opening of a double tier locker. Locker bottom shall be a minimum of 9" off the floor, or an extra shelf placed 9" off the floor. Single tier lockers shall have a shelf 48" off the floor. Doors assigned for handicapped use shall have an appropriate symbol sign.

EXECUTION:

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

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

INSTALL SLOPING HOODS AND METAL FILLERS using concealed fasteners. Provide flush hairline joints against adjacent surfaces.

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

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

TOUCH UP marred finishes with factory supplied paint.

Penco Products, Inc. reserves the right to vary specifications consistent with our policy of continuous product improvement.

INVINCIBLE II DEFIANT II SINGLE POINT LATCH SPECIFICATIONS

When specifying Invincible II Lockers with Defiant II Single Point Latch (SPL) doors, substitute the following specifications for "Doors," "Hinges" and "Door Handle & Latching, 1, 2 & 3 Tier" to the Invincible II specification on the previous page. *Delete* "Door Handle & Latching 4 to 9 tier Box Lockers."

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 a maximum of 8" on center to the door skin along the upper and lower pan edge for optimum strength, quiet operation and stiffness. Door shall be manufactured to allow ventilation and stiffness.

HINGES: 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 22 gauge 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 22 gauge 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.

The Single Point Alternative

The Defiant II Single Point Latch option for Invincible II lockers offers improved security and the low maintenance inherent in a door with no moving parts. It is available with diamond shaped perforations or as a solid door.

- Improved performance with built-in locks
- Greater tamper resistance
- Increased rigidity

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.

Anti-Pry Lug

Defeats prying attempts by capturing the door flange and preventing separation from the door channel.

Bracket Support

Braces the hasp against the locker side panel for greater tamper resistance. Shipped as an unpainted part with the locker hardware for field installation



Vertical Pan



Anti-Pry Lock Alignment Bracket



Bracket Support

Anti-Pry Lug



Anti-Pry Lug Insertion Point on Door Flange

Anti-Pry Lock Alignment Bracket Insertion Point on Door Lug



Note: Defiant II doors may feature offset ventilation patterns depending on door width. Consult your Penco representative for additional information.

Size (inches)		Single Tier		Double Tier		3 Tier	
W	D	60" Opening Ht. Cat. No.	72" Opening Ht. Cat. No.	30" Opening Ht. (60" overall ht.) Cat. No.	36" Opening Ht. (72" overall ht.) Cat. No.	20" Opening Ht. (60" overall ht.) Cat. No.	24" Opening Ht. (72" overall ht.) Cat. No.
12	12	6P129	6P157	6P213	6P245	6P287	6P281
12	15	6P131	6P159	6P215	6P247	6P289	6P283
12	18	6P135	6P161	6P217	6P249	6P291	6P285
15	15	6P143	6P169	6P225	6P257	6P293	6P301
15	18	6P145	6P171	6P239	6P259	6P295	6P303
15	21	6P147	6P173	6P241	6P261	6P297	6P305
18	15	6P149	6P175	6P223	6P263	-	-
18	18	6P151	6P177	6P227	6P265	-	-
18	21	6P153	6P179	6P229	6P267	-	-
18	24	6P155	6P181	6P231	6P269	-	-
24	18	6P117	-	6P233	6P271	-	-
24	21	6P119	6P125	6P235	6P273	-	-
24	24	6P121	6P127	6P237	6P275	-	-

Order Group Ends for Invincible II Single Point Latch lockers from page 15.



All-Welded
with 4" base



Shelf

Shelf
and Security Box

Shelf
and Footlocker

Shelf, Security Box
and Footlocker



The Right Locker for Players and Their Equipment

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



They are available in different configurations: the minimum configuration has a full width shelf, 2 coat hooks and a coat rod. You can add a lockable security box, a lockable

foot locker that doubles as a bench, or both. The open front and visually perforated sides create full ventilation while allocating a specific storage space to each individual.

Fully accessorized, Stadium lockers are outfitted with a security box fastened to a full width shelf, and a

footlocker with a hinged, reinforced seat at the base. Both compartments are lockable to secure valuable items. The front of the footlocker is recessed for an external padlock, and a stainless steel strike plate protects the finish. 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 All-Welded construction or K.D. (knocked down, or unassembled). They are available in 24" or 33" widths and 18", 21" or 24" depths. K.D. lockers are 72" high; All-Welded models have an integral 4" base, bringing the total height to 76". Color selection is from any one of Penco's 21 powder coat baked enamel decorator colors.

Size (inches)			K.D. Stadium Lockers with Perforated Sides				Size (inches)			Welded Stadium Lockers with Perforated Sides			
W	D	H	With Shelf	With Shelf & Security Box	With Shelf & Footlocker	With Shelf, Footlocker & Security Box	W	D	H	With Shelf	With Shelf & Security Box	With Shelf & Footlocker	With Shelf, Footlocker & Security Box
18	18	72	6KFD01	6KFD09	6KFD02	6KFD03	18	18	76	6WFD01	6WFD09	6WFD02	6WFD03
24	18	72	6KFD10	6KFD11	6KFD12	6KFD13	24	18	76	6WFD10	6WFD11	6WFD12	6WFD13
24	21	72	6KFD20	6KFD21	6KFD22	6KFD23	24	21	76	6WFD20	6WFD21	6WFD22	6WFD23
24	24	72	6KFD30	6KFD31	6KFD32	6KFD33	24	24	76	6WFD30	6WFD31	6WFD32	6WFD33
33	18	72	6KFD40	6KFD41	6KFD42	6KFD43	33	18	76	6WFD40	6WFD41	6WFD42	6WFD43
33	21	72	6KFD50	6KFD51	6KFD52	6KFD53	33	21	76	6WFD50	6WFD51	6WFD52	6WFD53
33	24	72	6KFD60	6KFD61	6KFD62	6KFD63	33	24	76	6WFD60	6WFD61	6WFD62	6WFD63

MATERIALS:

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

FINISHING: Chemically pre-treat metal with a six stage cleaning phosphating and metal preparation process. Finish coat shall be powder coat paint baked on at 350-400 degrees. Select color from manufacturer's standard colors. All lockers shall be painted inside and outside with the same color as standard.

EQUIPMENT: Coat hooks and coat rods are zinc plated. Truss fin head bolts and hex nuts are zinc coated.

FABRICATION GENERAL: All-Welded

CONSTRUCTION: Fabricate lockers square, rigid and without warp. Metal faces shall be flat and free of distortion.

Lockers shall be pre-assembled by welded construction, all welds shall be free of burrs.

BODY: All locker body components shall be made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points. Tops & bottoms shall be 16 gauge notched and formed. Bottoms have two reinforcement channels for added strength. Sides shall be 16 gauge and backs 18 gauge.

 **K.D. (Knocked Down)**

CONSTRUCTION: Lockers shall be fabricated square, rigid and without warp.

BODY: Bolt spacing in locker body construction not to exceed 9" o.c. All locker body components shall be made of cold rolled steel specially formed for added strength and rigidity and to ensure tight joints at fastening points. Tops & bottoms shall be 16 gauge with three sides formed 90 degrees and the front offset formed to be flush with the horizontal frame member. Bottoms have two reinforcement channels for added strength. Shelves shall be 16 gauge with four sides formed to 90 degrees, the front edge shall have a second bend. Sides shall be 16 gauge and backs 18 gauge.

  **All-Welded & K.D.**

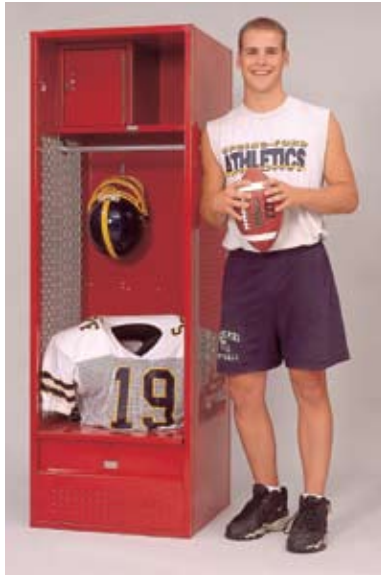
LOCKER FRAME: Locker frame members to be not less than 16 gauge formed to a channel shape. Intermembering parts to be mortised and tenoned and electrically welded together in a rigid assembly capable of resisting strains.

VENTILATION: For maximum ventilation locker has an open front. Side panels are to be diamond perforated unless specified.

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

INTERIOR EQUIPMENT: Each locker is provided with: a set of rod holders and one coat rod, two single prong hooks (to be bolted to the back panel).

SHELF: 16 gauge with four sides formed to 90 degrees, the front edge shall have a second bend.



Ideal for Athletic Team Rooms along with Fire and Police Stations

OPTIONS:

SECURITY BOX: 14 gauge lockable door with a 16 gauge side panel. The door is attached to a welded frame with a continuous hinge. The hinge is mounted to door with aluminum rivets. The door is locked with a single point latch by a padlock or built in lock. A lock hole cover plate shall be provided for use with padlocks. Security box door frame members 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. Intermembering parts to be mortised and tenoned and electrically welded together in a rigid assembly capable of resisting strains.



Locking Security Box

FOOTLOCKER: Front footlocker panel includes single point latch with padlock strike plate and mini louvers. Footlocker top has a continuous hinge. Opening and closing is quieted by rubber bumpers mounted to the contact points. Seat is strengthened with two reinforcement channels welded to bottom of seat. Two side seat supports are fastened to side panels and inserted in a support tab on the front locker panel for added strength.



Footlocker Doubles as Seat and Storage Locker

SIDE PANEL: Solid Side Panels

K.D. BODY: Locker shall be assembled using rivets.

EXECUTION:

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

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

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

TOUCH UP marred finishes with factory supplied paint.



Reinforced Base

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





All-Welded Lockers



The All-Welded Alternative

Penco's All-Welded Lockers give you a choice between our traditional K.D. locker lines, and our All-Welded setup lockers.

All-Welded 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 backs, tops and bottoms of each group of lockers are made from one piece of steel that spans multiple lockers. 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 All-Welded 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 (not to exceed 54").

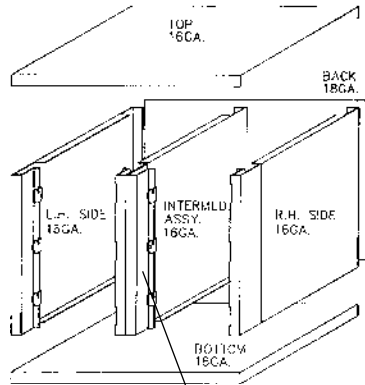
All-Welded lockers are available as standard in ventilated models with diamond-shaped perforations in the doors and sides for maximum visibility and ventilation, or with solid door and side construction, with or without door louvers. The perforated models are ideal for heavy duty athletic use, where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

All-Welded lockers come in a variety of styles. Single tier, double tier and triple tier all have stainless steel recessed handles and multi point latching with quiet latch channels. Four, five, six, eight and nine tier box locker doors have a padlock hasp and a friction catch. All will accept built-in locks and padlocks, and all have rubber bumpers on the latch hooks to reduce noise. An available option on box lockers is a spring-loaded positive catch.

Double and triple tier lockers have welded horizontal frame intermediate cross members between the doors for added strength and security. 24" wide doors are one piece, full width.

Standard fillers are used when required.

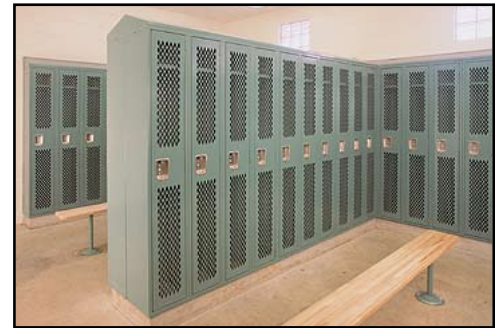
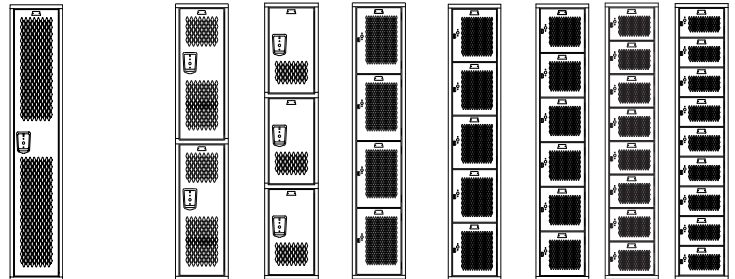
Sloped top construction is available as an accessory by ordering slope hoods, which are field installed. Standard construction is flat top without legs. Lockers can be ordered with 4" high legs or 4" high 16 gauge integral Channel Bases, as options.



Shown with optional solid sides

Intermediate Side

R.H. SIDE UPRIGHT CHANNEL



(inches)	1 Tier				2 Tier		3 Tier	4 Tier	5 Tier	6 Tier	8 Tier	9 Tier			
W x D	36-1/2"	48-1/2"	60"	72"	30"	36"	20"	24"	15"	18"	12"	14.4"	12"	9"	8"
9 12	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-
9 15	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-
9 18	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-
12 12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12 15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12 18	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12 21	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
12 24	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
15 12	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15 15	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15 18	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15 21	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
15 24	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
18 18	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
18 21	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
18 24	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
24 18	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
24 21	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
24 24	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-

All-Welded Lockers



Single Tier and Double Tier
with Solid Doors Option



3 Tier and 4 Tier
with Standard Diamond Perforation



5 Tier and 6 Tier
with Standard Diamond Perforation



8 Tier and 9 Tier
with Standard Diamond Perforation

Base Options



No Legs or Base – The standard for welded lockers (not engineered for use with Z Base).



4" Legs – Permanently welded to the bottom of the locker for installations where there is no permanent base installed. Can be anchored to floor.



Channel Base – A permanent 16 gauge integral 4" high channel steel base system to enclose front, sides and rear.

How to Order All-Welded Lockers

(Maximum Group Width Is 54")

1. Make careful measurements of the area where the lockers are to be installed (remember that you cannot detach a locker frame from a welded group to make it fit).
2. Make a floor plan drawing showing the lockers in place.
3. Determine the desired type and size of lockers (1 tier, 2 tier, etc.). If there are mixed types (i.e; 2 tier and 6 tier, alternating), code the layout drawing to show the location of each type.
4. Complete the *Penco Welded Locker Information Sheet* for each type or size of welded lockers that you have on the job.
5. Determine the total desired number of frames of each type and size of locker that are required on the job, and include the totals on your order.
6. After receipt of an order for All-Welded lockers with the appropriate floor plan and Information Sheet, Penco will detail from your drawings for grouping purposes. Groupings shall be determined by Penco and noted on drawings.

NOTE: Welded lockers have no legs or Channel Base unless they are ordered as an option.

Welded Locker Growth When you install an All-Welded Locker group next to another All-Welded Locker group the overall width increases by 1/16" per group. *Example: A locker group of 45" installed next to a locker group of 45" results in a total overall width of the two locker groups of 90-2/16".*



A11-Welded Specifications

MATERIALS:

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

FINISHING: Chemically pretreat metal with a six stage cleaning phosphatizing and metal preparation process. Finish coat shall be electrostatically applied powder coat enamel properly cured to paint manufacturer specifications to achieve optimum performance. All lockers shall be painted inside and outside with the same color.

FABRICATION GENERAL:

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

SIDE AND DOOR FRAME: Shall be manufactured from 16 gauge steel. The front edge of the frame shall be formed to a channel shape with a continuous door strike. Two and three tier lockers shall have intermediate 16 gauge channel shaped horizontal frame members attached to the side frames with mortise and tenon construction, and securely welded. Intermediate frames shall consist of two 16 gauge frame channels securely welded together.

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

BOTTOMS: Shall be 16 gauge notched and formed. Each group of lockers shall have one continuous bottom suitable for anchoring to wood or concrete bases.

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

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

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

Doors for box lockers 4, 5, 6, 8 & 9 tiers high shall be 14 gauge steel and have channel formations on lock side and hinge side and have right angle flanges on the top and bottom.

DOOR HANDLE & LATCHING 1, 2 & 3 TIER: Handles shall be recessed in the door and be finger lift control. The 20 gauge drawn pocket shall be brushed stainless steel securely fastened to the door with two tabs plus a positive tamper resistant decorative fastener. The pocket shall be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. A lock hole cover plate shall be provided for use with padlocks.

The lifting piece shall be 14 gauge formed steel, attached to the latching channel with one concealed retaining lug and one rivet assuring a positive two point connection. Handle finger lift shall have a padlock eye for use with a 9/32" diameter padlock shackle. It shall have a sound deadening molded comfortable finger lift.

Doors to have latch clip engaging the door frame at three points on 60" & 72" high and two points on 20" through 36" high doors. Locking device to be positive, automatic type, whereby locker door may be locked when open, then closed without unlocking. One rubber silencer shall be firmly secured in the frame at each heavy gauge latch hook. Latch clips shall be glass filled nylon for long life and low friction and shall hold doors shut by engaging the latch hooks. Latch hooks on diamond-perforated lockers shall have tamper guards. The latch channel assembly shall be quieted by the use of unique nylon glides to reduce noise.

DOOR HANDLE & LATCHING 4 TO 9 TIER BOX LOCKERS: Doors shall be punched for use with padlocks or built-in locks. Doors for use with padlocks shall be equipped with an 18 gauge combination door pull, staple and lock hole cover plate with integral friction catch.

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

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

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

INTERIOR EQUIPMENT: Single tier lockers 48-1/2" or higher shall have one hat shelf located approximately 9" down from the top of the locker.

Lockers 20" or more in height and up to 15" wide to be supplied with one double prong ceiling hook and two single prong wall hooks, over 15" wide to be supplied with a double prong ceiling hook and four single prong wall hooks.

All coat hooks shall be forged steel with ball ends, zinc plated.

LOCKER OPTIONS:

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

LEGS: If required, each group of lockers shall be furnished with four 14 gauge legs each 4" high and welded to the locker bottom.

DOORS: Box locker doors 4 to 9 tier, as an alternative option each door shall be furnished with a stainless steel padlock strike.

DOOR HANDLE & LATCHING 4 TO 9 TIER BOX LOCKERS: As an alternate option, each door shall be provided with a finger operated 11 gauge slam latch with an electrogalvanized trigger, and a spring contained in a 14 gauge case welded to the door. The spring latch engages a 13 gauge hasp welded to the frame. Rubber bumpers shall be securely installed in the frame.

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

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

ADA LOCKERS: Handicap lockers shall have recessed handles and shall be single tier or the lower opening of a double tier locker. Locker bottom shall be a minimum of 9" off the floor, or an extra shelf placed 9" off the floor. Single tier lockers shall have a shelf 48" off the floor. Doors assigned for handicapped use shall have an appropriate symbol sign.

ACCESSORIES: For accessories see Accessory Specifications.

EXECUTION:

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

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

INSTALL SLOPING HOODS AND METAL FILLERS using concealed fasteners. Provide flush hairline joints against adjacent surfaces.

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

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

TOUCH UP marred finishes with factory supplied paint.

Penco Products, Inc. reserves the right to vary specifications consistent with our policy of continuous product improvement.



Welded Lockers with mini louvers on a built-in base with finished end panels.

ALL-WELDED DEFIANT II SINGLE POINT LATCH SPECIFICATIONS

When specifying All-Welded Lockers with Defiant II Single Point Latch (SPL) doors, substitute the following specifications for "Doors", "Door Handle & Latching, 1, 2 & 3 Tier", "Ventilation" and "Hinges" to the All-Welded specification on the following page. *Delete* "Door Handle & Latching 4 to 9 Tier Box Lockers."

DOORS: All doors shall be formed from one piece 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 a maximum of 8" on center to the door skin along the upper and lower pan edge for optimum strength, quiet operation and stiffness. Door shall be manufactured to allow ventilation and stiffness.

HINGES: 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 engaging the hasp assembly. A lock hole cover plate shall be provided for use with padlocks. All pockets shall be 22 gauge 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 22 gauge 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. An integral angle shall brace the lock hasp against the locker side sheet to prevent twisting of the frame. Rubber door silencers shall be firmly attached to the locker frame.

VENTILATION: All side frames and doors 20" or higher shall be perforated with diamond-shaped openings 3/4" wide x 1-1/2" high in a quantity and pattern to insure maximum ventilation and maintain structural strength.

The Single Point Alternative

The Defiant II Single Point Latch (SPL) option for All-Welded lockers is for those desiring extra strength and the low maintenance inherent in a door with no moving parts. It is available with diamond shaped perforations, louvers or as a solid door.

- Greater tamper resistance
- Increased rigidity
- Improved performance with built-in locks



Each door has a patented deep drawn stainless steel 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. *Not ADA compliant.*

The result is an extremely rigid recessed handle door with a minimum number of parts that is elegant in appearance, simple in design, and long on endurance.



Anti-Pry Lug

Defeats prying attempts by capturing the door flange and preventing separation from the door channel.

Anti-Pry Lock Alignment Bracket Insertion Point on Door Lug

Anti-Pry Lock Alignment Bracket



Welded Bracket Support

Anti-Pry Lug

Anti-Pry Lug Insertion Point on Door Flange

Welded Bracket Support

Braces the hasp against the locker side panel for greater tamper resistance

Note: Defiant II doors may feature offset ventilation patterns depending on door width. Consult your Penco representative for additional information.

W x D (inches)	1-Tier	2-Tier	3-Tier
12 12 12 15 12 18	60" & 72" High	30" & 36" High	20" & 24" High
15 15 15 18 15 21	60" & 72" High	30" & 36" High	20" & 24" High
18 15 18 18 18 21 18 24	60" & 72" High	30" & 36" High	24" High
24 18 24 21 24 24	60" & 72" High	30" & 36" High	- - -



Angle Iron Welded Lockers



- **Excellent for Athletic Applications**
- **Rugged Welded Angle Iron Framework**
- **Durable Continuous Hinge or 3" Hinges**
- **Two Multi-Point Latch Options on 1 & 2 Tier**
- **Optional Expanded Metal Sides**

The Penco Angle Iron Locker is built within a 1" x 1" x 1/8" angle iron frame. This 1/8" thick angle iron exoskeleton creates extra strong locker edges and provides a solid framework. Diamond perforated doors and sides offer a high degree of air flow.

Lockers are built in groups with the top, bottom and back panels spanning multiple lockers, which reduces seams and adds rigidity.

Options and Accessories:

- Multiple handle/latch types (see below at left)
- Continuous Slope Hoods (added in the field)
- Padlocks and built-in locks
- Optional 4" high 14 gauge welded base
- Optional expanded metal sides (shown on photos at left & right)



Angle Iron frame above is highlighted in blue

Handle/Latching Choices (1 & 2 Tier)

Cremone Handle and Latch

This heavy duty turn handle features 3/8" lock bars that engage the top and bottom door frame channels and a 1/8" thick center latch.



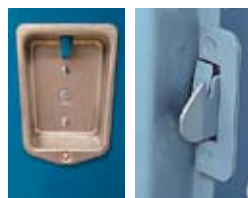
Defiant II Single Point Latch **

This handle features a single point latch in a sturdy deep drawn stainless steel pocket.



Available Multi-Point Latch

The Classic III recessed handle has a comfortable finger lift mounted in a stainless steel pocket. 1 tier lockers have a 3-point latch; 2 tier have a 2-point latch. The locker door can be closed with a lock engaged.



** Lockers with Defiant II single point latch doors may have offset ventilation patterns depending on door width. Contact your Penco representative for additional information.

Angle Iron 1 & 2 Tier Sizes		
W	D	H *
(Inches)		
1 Tier		
(60" High Frame)		
12	12	60
12	15	60
12	18	60
15	15	60
15	18	60
18	18	60
(72" High Frame)		
12	12	72
12	15	72
12	18	72
15	12	72
15	15	72
15	18	72
18	18	72
2 Tier		
(60" High Frame)		
12	12	30
12	15	30
12	18	30
15	12	30
15	15	30
15	18	30
18	18	30
(72" High Frame)		
12	12	36
12	15	36
12	18	36
15	12	36
15	15	36
15	18	36
18	18	36
* Height is nominal height of opening.		

Locker Grouping

Due to Angle Iron's unique construction, their unit growth factor is not the same as other welded lockers. With Angle Iron lockers, the intermediate vertical door frame channels are common between openings. The hinge of one door is welded to the left side of the channel and the latch of the right door is welded to the other side. Refer to the table below to determine the width of various groupings of Angle Iron Lockers.

Angle Iron 6 Tier Box Lockers (72" High Frame)		
W	D	H *
(Inches)		
12	12	12
12	15	12
12	18	12
12	21	12
12	24	12
15	12	12
15	15	12
15	18	12
15	21	12
15	24	12
* Height is nominal height of opening.		



6 Tier box locker door pull with shown with padlock.

Angle Iron Locker Groupings		
Nominal Frame Width (inches)	Frames in Group	Width of Group (inches)
12	5	60.00
	4	48.20
	3	36.40
	2	24.60
	1	12.80
15	4	60.00
	3	45.25
	2	30.50
18	1	15.75
	3	54.00
	2	36.33
24	1	18.67
	2	48.00
	1	24.50

OVERVIEW

Available in 1, 2, and 6 tier models. Doors are 14 gauge. For 1 and 2 tier lockers, there is a choice between single point latch doors with stainless steel pockets, and 3-point latching with a cremone turn handle. Tops and bottoms are made of solid 16 gauge cold rolled steel. Perforated sides and perforated intermediate partitions are constructed of 14 gauge diamond perforated metal for ventilation.

MATERIALS

SHEET STEEL: All parts made from prime grade mild cold rolled steel free from surface imperfection and capable of taking a high grade pure polyester powder coat finish.

FINISH: Chemically pretreat metal with a six stage cleaning phosphatizing and metal preparation process. Finish coat shall be electrostatically applied powder coat enamel properly cured to paint manufacturer specifications to achieve optimum performance. All lockers shall be painted inside and outside with the same color.

FABRICATION, GENERAL

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

FRAMING SYSTEM: Frames shall be made of continuous 1" x 1" x 1/8" pretreated (to remove scale) angle iron steel.

SIDES AND INTERMEDIATE PARTITIONS: 16 gauge solid, or 14 gauge diamond-perforated, as required.

FORMED DOOR: 1, 2 and 6 tier doors shall be constructed of solid 14 Ga. cold rolled steel with double bends on vertical sides and a single bend on horizontal sides.

TOPS, SHELVES: Shall be made of solid 16 Ga. cold rolled sheet steel free of surface imperfections.

BOTTOMS: Shall be made of solid 16 Ga. cold rolled sheet steel with front to back 16 Ga. spacer channel welded to locker bottom [when closed bases are not used] for easier and more secure installation.

Latching Options 1 & 2 tier:

DEFIANT II SINGLE POINT DOOR (doors 20" or higher): Provide an unbreakable stationary 11 gauge latch welded to locker frame, extending no more than 1-1/4" into the locker opening. A stainless steel recessed pocket is mounted to a 14 gauge 3.5" wide 18 gauge reinforcing pan welded to the inside of the door on the hinge side. Doors measuring wider than 18" shall feature a 20 gauge, horizontal box pan MIG welded to the hinge and latch side formations, and spot welded to the door skin at top and bottom for optimum strength.

Door latch and recessed pocket assembly shall be capable of accepting either padlock or built-in combination lock. 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 combination locks to facilitate installation and adjustment. A lock hole cover plate shall be provided for use with padlocks. All pockets shall be 22 gauge drawn stainless steel for superior strength. Door pull shall be formed in the pocket. Pocket and pull shall be integral.

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 22 gauge 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. An integral formation shall brace the lock hasp against the locker side sheet to prevent twisting of the frame. Rubber door silencers shall be firmly attached to the locker frame.

3 POINT / 3 SIDED CREMONE LATCH: Provides an unbreakable steel handle welded securely to a 3-point cremone type latch mechanism. Latching rods 3/8" in diameter shall engage top and bottom edge of locker frame: a 1/8" thick center latch shall engage the locker jamb, enabling door to latch on three sides. Mechanism must be compatible for padlocks and built-in deadbolt locks.

BOX LOCKERS

Doors shall be punched for use with padlocks or built-in locks. Doors for use with padlocks shall be equipped with an 18 Ga. combination door pull staple and lock-hole cover plate with integral friction catch.

FOR SAFETY PURPOSES WE STRONGLY RECOMMEND THAT ALL LOCKERS BE EITHER FLOOR OR WALL ANCHORED.

VENTILATION DOORS: Doors 20" or higher shall be perforated with diamond shaped openings 3/4" wide x 1-1/2" high. Other doors shall have small shaped perforations 7/16" wide and 15/16" high.

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

HINGES: Doors shall be hinged on the right side with 3" five knuckle 14 Ga. fast pin heavy-duty butt hinges. Provide three hinges on each single tier door and two hinges on each 2 through 6 tier doors. Hinges shall be welded to both door and locker frame.

INTERIOR EQUIPMENT: Single tier lockers 48-1/2" or higher shall have one hat shelf located approximately 9" down from the top of the locker. Lockers 20" or more in height and 12" or 15" wide shall have one double-prong ceiling hook and two single-prong wall hooks. Lockers over 15" wide shall have a double-prong ceiling hook and four single-prong wall hooks. All door hooks shall be of forged steel with ball ends, zinc plated.

Locker Accessories:

LOCKS: Built-in or padlocks.

SLOPE HOODS: Available in six-foot sections.

OPTIONS

DOOR HANDLE & LATCHING 1 & 2 TIER (ADA Compliant): Handles shall be recessed in the door and be finger lift control. The 22 gauge drawn pocket shall be brushed stainless steel securely fastened to the door with two tabs plus a positive tamper resistant decorative fastener. The pocket shall be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. A lock hole cover plate shall be provided for use with padlocks.

The lifting piece shall be 14 gauge formed steel, attached to the latching channel with one concealed retaining lug and one rivet assuring a positive two point connection. Handle finger lift shall have a padlock eye for use with a 9/32" diameter padlock shackle. It shall have a sound deadening molded comfortable finger lift.

Doors to have latch clip engaging the door frame at three points on 60" & 72" high and two points on 20" through 36" high doors. Locking device to be positive, automatic type, whereby locker door may be locked when open, then closed without unlocking. One rubber silencer shall be firmly secured in the frame at each heavy gauge latch hook. Latch clips shall be glass filled nylon for long life and low friction and shall hold doors shut by engaging the latch hooks. Latch hooks on diamond-perforated lockers shall have tamper guards. The latch channel assembly shall be quieted by the use of unique nylon glides to reduce noise.

HINGES: 16 gauge continuous hinges (full length of the door) are welded to the door and riveted to the frame.

INTEGRAL BASE: Provide a 4" high 14 Ga. welded steel base enclosed on all four sides securely welded to locker bottom.

Ventilation

SIDES: Sides and intermediate partitions are constructed with 13 Ga. 3/4" flattened expanded metal securely welded to frame at intervals not to exceed 6".

DOORS: If specified, all perforations may be deleted. If deleted, louvers or mini louvers may be added to the doors.

Execution

INSTALLATION: Install metal lockers at location shown in accordance with manufacturer's instructions for plumb, level, and flush installation. Anchor lockers to the floor and wall 48" on center, or less as recommended by the manufacturer.

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

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

Lifetime Limited Warranty

Locker manufacturer shall warrant the locker for the lifetime use of the original purchaser from the date of shipment. Warranty shall include all defects in material and workmanship, excluding finish, vandalism, and improper installation.

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

Fully Framed Welded Locker

- **Brute Strength for Athletic or Other Harsh Usage Applications**
- **Tubular Frame "Roll Cage" Reinforcement**
- **14 Gauge Doors, Bottom & Ventilated Sides**
- **Three Handle Options on 1 & 2 Tier**

Top athletes always give more than 100%. The same holds true for the top athletic lockers. That's why ProTough lockers are framed with 18 gauge, 3/4" square steel tubing. Sides, backs and bottoms are welded to the frame. Similar to the roll cage safety system of a race car, this fully framed construction stands up to even the toughest abuse.

Extra heavy duty sides and bottoms are welded to the frame. The ProTough's factory welded assemble reduces locker installation time and cost. ProTough's one-of-a-kind fully framed construction is 40% stronger than the competition.



Frame construction is illustrated in red



Vertical Framing Inserted through Base and Securely Welded



View of Locker from Bottom



Multi-Point Latching Options

Recessed Pocket



Cremone Turn-Handle



Single Point Latching Options

Double Pan Door with Single-Point Latch



Doors with Single Point Latch have a Double Pan Door and a steel staple welded to door frame and side.



Box Locker Door



Base Options

ProTough lockers can be ordered without a base (standard) or with an optional integral 4" high 14 gauge channel base.

Ventilation Options

Diamond Perforations are Standard on doors and sides. Louvers, Mini-Louvers or Solid Doors are an available option. Solid Sides are also Available.

Multi-Point Latch Doors with Recessed Pocket or Cremone Turn-Handle

Single Tier, 60"			Double Tier, 60"		
W	D	H	W	D	H
12	12	60	12	12	30
12	15	60	12	15	30
12	18	60	12	18	30
15	12	60	15	12	30
15	15	60	15	15	30
15	18	60	15	18	30
18	18	60	18	18	30
Single Tier, 72"			Double Tier, 72"		
12	12	72	12	12	36
12	15	72	12	15	36
12	18	72	12	18	36
15	12	72	15	12	36
15	15	72	15	15	36
15	18	72	15	18	36
18	18	72	18	18	36

Double Pan Single-Point Latch Doors

Single Tier, 60"			Double Tier, 60"		
W	D	H	W	D	H
12	12	60	12	12	30
12	15	60	12	15	30
12	18	60	12	18	30
15	15	60	15	15	30
15	18	60	15	18	30
18	18	60	18	18	30
Single Tier, 72"			Double Tier, 72"		
12	12	72	12	12	36
12	15	72	12	15	36
12	18	72	12	18	36
15	15	72	15	15	36
15	18	72	15	18	36

Six Tier Box Lockers 72" Height

W	D	H
12	12	12
12	15	12
12	18	12
12	21	12
12	24	12
15	12	12
15	15	12
15	18	12
15	21	12
15	24	12

Complete locker specifications can be found at www.pencoproducts.com

GENERAL PROTOUGH LOCKER SPECIFICATION

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

SIDES & INTERMEDIATE PARTITIONS: Vertical frame members to be MIG welded to sides and partitions to become an integral part of the framing system. Standard sides and partitions are 14 gauge with diamond-shaped perforations. Optional solid partitions and sides are 16 gauge.

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

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

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

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

BACKS: 18 gauge steel in one piece for groups to 48" wide. Groups over 48" wide shall have two piece backs.

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

LOCKER ACCESSORIES

Integral metal base: If required base shall be 4" high, 14 gauge integral welded base.

PROTOUGH MULTI-POINT LATCH W/RECESSED POCKET

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



DOOR HANDLE & LATCHING FOR 1 & 2 TIER:

Handles shall be recessed in the door and be finger lift control. The 22 gauge drawn pocket shall be brushed stainless steel securely fastened to the door with two tabs plus a positive tamper resistant decorative fastener. The pocket shall be of sufficient depth to prevent a combination padlock, built-in combination lock or key lock from protruding beyond the face of the door. A lock hole cover plate shall be provided for use with padlocks. The lifting piece shall be 14 gauge formed steel, attached to the latching channel with one concealed retaining lug and one rivet assuring a positive two-point connection. Handle finger lift shall have a padlock eye for use with a 9/32" diameter padlock shackle. It shall have a sound deadening molded comfortable finger lift attached. Doors to have latch clip engaging the door frame at three points on 60" and 72" high and two points on 20" through 48" high doors. Locking device to be positive, automatic type, whereby locker door may be locked when open, then closed without unlocking. One rubber silencer shall be firmly secured in the frame at each heavy gauge latch hook. Latch clips shall be glass filled nylon for long life and low friction and shall hold doors shut by engaging the latch hooks. Latch hooks on diamond-perforated lockers shall have tamper guards.

PROTOUGH MULTI-POINT WITH CREMONE HANDLE

1 & 2 TIER CREMONE LATCHING

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



PROTOUGH DEFIANT II SINGLE POINT LATCH

DOORS: Doors 20" or higher shall have an outer panel formed from one piece of 14 gauge steel. A full height, full width 18 gauge inner panel welded to the door provides a double pan which stiffens and strengthens the door improving its resistance to prying.

Doors less than 20" high for 6 tier box lockers shall be 14 gauge steel and have channel formations on the lock and hinge side. Top and bottom flanges of all doors shall have a 90 degree bend.

DOOR HANDLE & LATCHING FOR DEFIANT 1 & 2 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. A lock hole cover plate shall be provided for use with padlocks. All pockets shall be 22 gauge 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 and with an integral reinforcing gusset welded to the side panel for extra rigidity. A tubing member at each lug location is added for superior strength. The lug shall include a surface for the bolt of a built-in combination or key lock to engage and a padlock staple that protrudes through the 22 gauge 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. Rubber door silencers shall be firmly attached to the locker frame.

DOOR HANDLE & LATCHING FOR 6 TIER:

Doors shall be punched for use with padlocks or built-in locks. Doors for use with padlocks shall be equipped with an 18 gauge combination door pull, staple and lock hole cover plate with integral friction catch.



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



SmartLocker® The Leading Solution for Managed Locker Systems

Penco's integrated solution combines centralized management and intelligent, secure storage units. The electronically operated lockers are opened with a magnetic card or a proximity credential.

One solution: SmartLocker® revolutionizes how organizations manage lockers and related security issues. Schools, retail establishments and other locations concerned with security and safety can centrally manage and secure their lockers, individually or with system-wide operations.

One system: A single administrative console can manage tens, hundreds or even thousands of lockers, maintaining records of access, instantly changing passwords or denying access to the entire system during off-hours.

One industry leader: SmartLocker is a proven solution, with institutional and corporate installations in place and saving their owners thousands of dollars in administrative, re-keying and maintenance costs.



SmartLocker used in Health Club



SmartLocker
Work Place Installation

Benefits Throughout the Organization

Whether you're responsible for facilities or managing from the executive's office, SmartLocker makes sense.

Facility managers: SmartLocker reduces labor for maintenance and management.

Institutional administrators: SmartLocker is an advanced safety measure and a hedge against potential liability.

Retail operators: SmartLocker can help reduce losses due to theft and is a convenience to customers or employees.



SmartLocker High School Installation

SMART

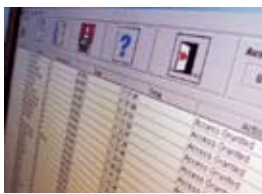
SAFE

SECURE

Today, lockers are about more than storage; they are an asset to be managed, a source of potential risk to be controlled and a capital investment that can either add to your maintenance and repair costs – or reduce them through the application of technology. SmartLocker®, the managed locker solution from Penco, is the only installed system in the market today that addresses all of these challenges with a single, locker-based security solution.

What are the SmartLocker advantages?

Security and management: The administration program software is password protected. Administrators can choose who has access to locker information and how much information each user can view while exercising responsible facility control.



Accountability: Every SmartLocker system has a built-in audit trail, with the system recording each authorized use as well as attempted locker intrusions. Each use of a locker is recorded to a database and can be viewed or analyzed if needed.

Installation and maintenance: The factory-welded lockers install easily, and come pre-wired, speeding the installation process. Keyless technology eliminates the top maintenance cost for lockers: re-keying units and remaking keys.

Ease of use: Administrators can open or lock down individual lockers, the entire system or groups of lockers all from a computer console. And setting up the system is a snap, with easy, automated locker assignment or individual, manual assignments. SmartLocker is equally user friendly to cardholders – when an authorized user swipes an approved ID card, their locker door quickly unlocks with no need to remember a combination or fumble for a key. With no handles to twist, turn or lift, it is the best solution for barrier-free requirements.

Configurable to work with your existing ID systems:

The SmartLocker system can utilize most existing access credentials such as student IDs, library cards, health club membership cards, etc.

Support every step of the way: From planning through installation and post-install configuration, your SmartLocker purchase will be supported by the industry's leader in intelligent locker systems – Penco.



High School Corridor Lockers



Personal property Lockers - Fire House



Gym Lockers Opened by Locker Administrator



High School Media Center - Day Use Lockers (inset photo is ADA access locker)



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 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 or All-Welded lockers).**



Unit Slope Tops			
Size (Inches)			Cat. No.
W	D	H	
9	12	-	60332C
9	15	-	60334C
9	18	-	60336C
12	12	-	60338C
12	15	-	60340C
12	18	-	60342C
12	21	-	60344C
15	12	-	603450C
15	15	-	60346C
15	18	-	60348C
15	21	-	60350C
18	18	-	60352C
18	21	-	60354C
18	24	-	60356C
24	18	-	60364C
24	21	-	60366C
24	24	-	60368C

Slope Top Kits

Slope Top Kits (3 wide kit)			
Size (Inches)			Cat. No.
W	D	H	
12	12	4	60230H
12	15	5	60232H
12	18	6	60234H
15	15	5	60238H
15	18	6	60240H
18	18	6	60244H



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 or All-Welded lockers.)**

Continuous Slope Hoods

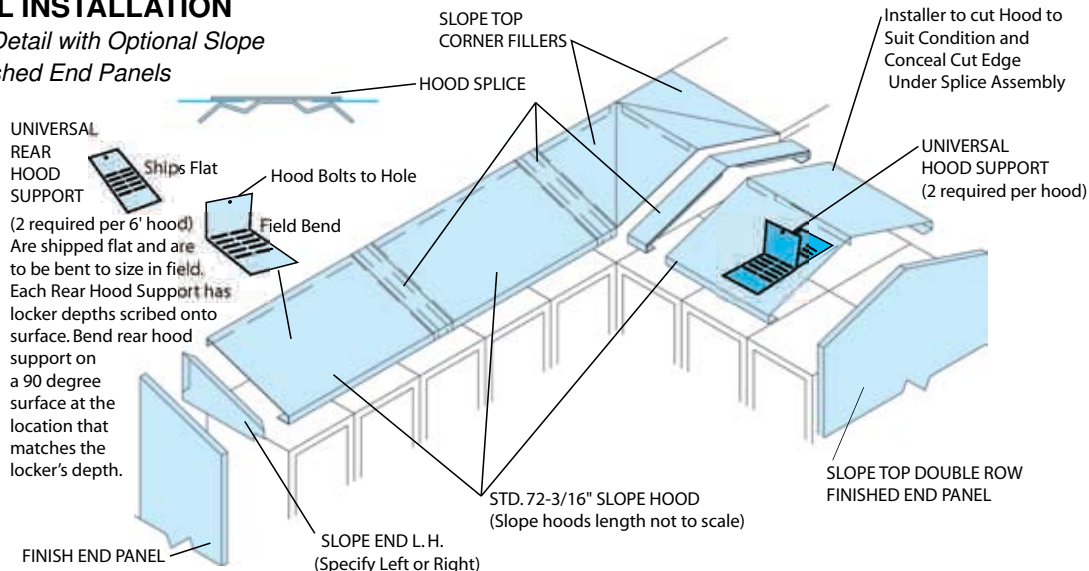
Continuous slope hoods fit on top of flat top lockers. They can be used on new lockers, or on a retrofit basis. All hoods are furnished in 72" lengths and must be cut to length during installation. Intermediate splices, ends and rear supports (2 per hood) complete the installation, and must be ordered separately.



Slope Hoods				Size (Inches)	Slope Ends LH RH	Hood Splice	Universal Rear Hood Support	
Size (Inches)			Cat. No.					
W	D	H		Cat. No.		Cat. No.	Cat. No.	
72	12	5	66144H	12	5	66158H	66159H	66070 (one size fits all)
72	15	6	66147H	15	6	66160H	66161H	
72	18	7	66150H	18	7	66162H	66163H	
72	21	8	66153H	21	8	66164H	66165H	
72	24	9	66156H	24	9	66166H	66167H	
						66170C	66171C	
						66172C	66172C	

TYPICAL INSTALLATION

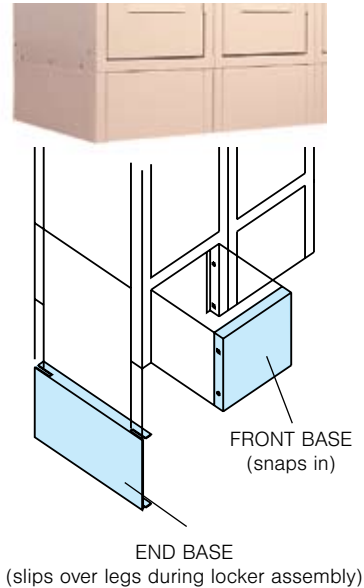
Slope Hood Detail with Optional Slope Finished End Panels



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. (Not for use on All-Welded lockers.)

Closed Bases			
Size (Inches)			Cat. No.
W	D	H	
Front Bases			
9	-	6	60216C
12	-	6	60217C
15	-	6	60218C
18	-	6	60219C
24	-	6	60220C
End Bases Single Row			
-	12	6	60204C
-	15	6	60205C
-	18	6	60206C
-	21	6	60207C
-	24	6	60208C
End Bases Double Row			
-	24	6	60209C
-	30	6	60210C
-	36	6	60211C

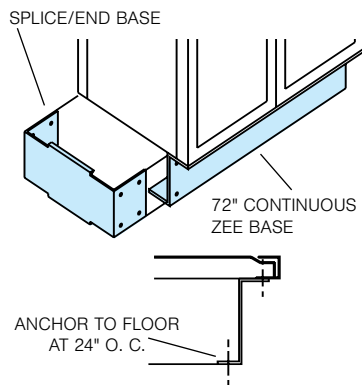


Zee Bases

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 simplify installation. (6" high zee bases are available also.)

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 Welded lockers.)

Zee Base			
Size (Inches)			Cat. No.
W	D	H	
Front Zee Base			
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 Base Filler			
-	-	4	66709H
Rear Leg for Zee			
-	-	4	60092C



Fillers

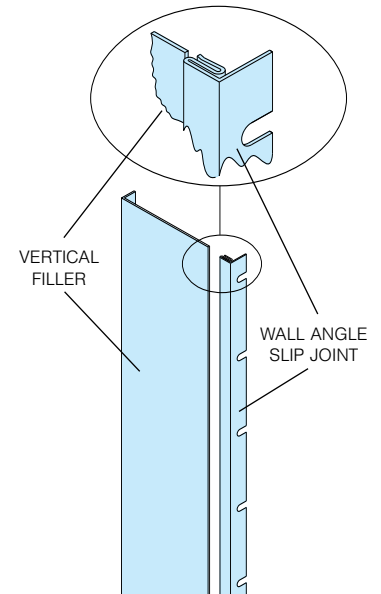
Penco provides standard fillers to adapt lockers to a wide range of field conditions and provide a professional, finished appearance. Fillers can be used to cover columns, pipes or other obstacles in a row of lockers, or fill the gap between the lockers and a wall.



A. 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. See pricing literature for additional sizes.

A. Vertical Fillers			
Size (Inches)			Cat. No.
W	D	H	
Fillers, Vertical Angle			
5	-	60	66112C
5	-	72	66115C
9	-	60	66114C
9	-	72	66117C
9	-	78	66127C
12	-	60	66113C
12	-	72	661141C
12	-	78	66116C
Wall Angle Slip Joints			
-	-	60	66118C
-	-	72	66119C
-	-	78	66121C

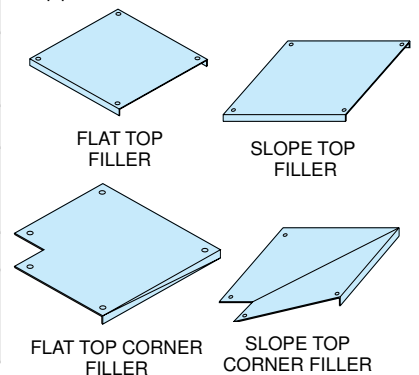


B. Top Fillers

B. Top Fillers			
Size (Inches)			Cat. No.
W	D	H	
Flat Top Fillers			
15	12	-	661321C
15	15	-	661322C
15	18	-	661323C
Slope Top Fillers			
15	12	-	661371C
15	15	-	661372C
15	18	-	661373C
Flat Top Corner Fillers			
12	12	-	66138C
15	15	-	66139C
18	18	-	66140C
Slope Top Corner Fillers			
12	12	-	66100C
15	15	-	66101C
18	18	-	66102C

B. 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 vs. slope top, and in-line vs. corner applications.



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.



Single Tier Vanguard Locker with 5 shelves



Single Tier Invincible II Locker with additional shoe shelf

Tuff-Stuff® Plastic Locker Bottom & Shelf Insert

Penco lockers can now be equipped with solid plastic Tuff-Stuff bottoms. Tuff-Stuff parts are rust-proof, impervious to chlorine, salt water and cleaners. It features a patented Drip-Lip® edge to contain moisture from wet shoes and clothing. The parts can also be ordered with new lockers. They are colored to match 028 Gray and 012 Tawny Tan.

The components come in two styles: the "Original" is designed to replace the steel locker top or bottom. It is not shipped with hardware.

The "Renew" version is designed to fit on top of an existing locker shelf or bottom. This version is supplied with four self-tapping zinc coated fasteners and require no special tools.

Original		
W x D	W x D	W x D
12" x 12"	12" x 15"	12" x 18"
Renew		
W x D	W x D	W x D
12" x 12"	15" x 12"	18" x 12"
12" x 15"	15" x 15"	18" x 18"
12" x 18"	15" x 18"	18" x 18"

Original

Replaces Steel Bottom



Renew

Inserted on top of Shelf

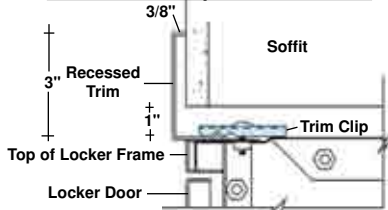


Recess Trim

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.

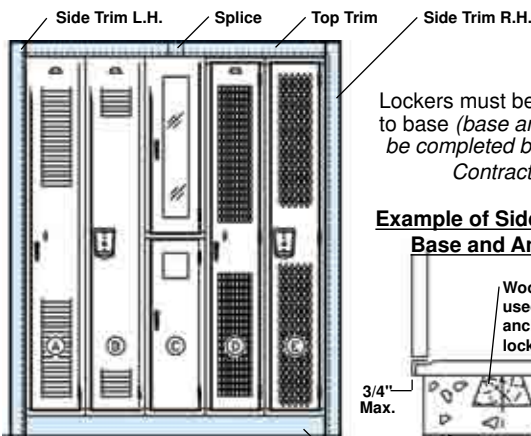


Side View of Top Recessed Trim



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.

Front View of Locker with Recessed Trim



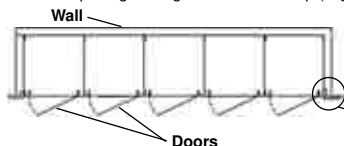
- A. Vanguard w/optional full louvers
- B. Vanguard w/ recessed handle
- C. Fire extinguisher / waste bin door
- D. Vanguard w/optional visual perforations
- E. Invincible II

Recess Trim			
Size (Inches)			Cat. No.
W	D	H	
Top Trim			
74	-	3	60456H
Splice			
2	-	3	66105C
Outside Corner Splice			
2	2	3	66108C
Bottom Trim			
72		3	60458C

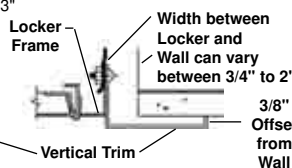
Recess Side Trim			
Size (Inches)			Cat. No.
W	D	H	
Side Trim, LH (use w/Lockers that have No Legs)			
3	-	63	60465C
3	-	75	60469C
3	-	87	60473C
Side Trim, RH (use w/Lockers that have No Legs)			
3	-	63	60466C
3	-	75	60470C
3	-	87	60474C
Side Trim, LH (use w/Top Trim and 6" Legs)			
3	-	69	60467C
3	-	81	60471C
3	-	93	60475C
Side Trim, RH (use w/Top Trim and 6" Legs)			
3	-	69	60468C
3	-	81	60472C
3	-	93	60476C
Side Trim, LH (use w/Top & Bottom Trim)			
3	-	66	60477C
3	-	78	60479C
3	-	90	60481C
Side Trim, RH (use w/Top & Bottom Trim)			
3	-	66	60478C
3	-	78	60480C
3	-	90	60482C

Top View of a Recessed Locker Grouping

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

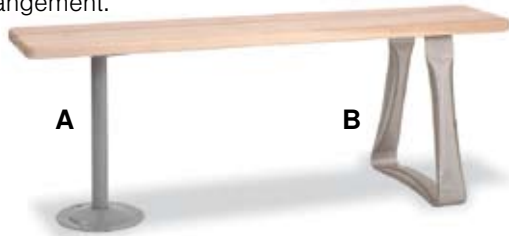


Top View of 3" Vertical Trim R.H.



Locker Room Benches and Pedestals

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



Bench Tops

Exceptionally strong. Made from selected hardwood and finished with clear lacquer. Standard bench tops are 9-1/2" deep x 1-1/4" thick. Tops that are compliant with ADA (Americans With Disabilities Act) are either 12" or 24" deep. Order Pedestals separately (see below).



48 x 24 ADA Bench

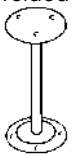
Wood Bench Tops		
Width & Depth in Inches (All tops are 1-1/4" thick)		
W	D	Cat.No.
36	9-1/2	9611
48	9-1/2	9600
60	9-1/2	9601
72	9-1/2	9602
84	9-1/2	9603
96	9-1/2	9604
108	9-1/2	9605
120	9-1/2	9606
132	9-1/2	9607
144	9-1/2	9608
ADA Compliant		
48	12	9622
48	24	9623

Bench Pedestals

Penco offers a choice of bench pedestal styles, as shown above and below. Order two pedestals for benches 96" long or less; order three pedestals for benches over 96" long. The 48" x 24" ADA bench requires 4 pedestals.

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 bench (see above). Available for quick shipment in 028 Gray and 073 Champagne. Available on production schedules in all 21 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.



Non-Skid Pedestal Kit

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

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.



Locks

All Penco lockers are designed to accept built-in key or combination locks, padlocks and, in certain circumstances, coin or card locks. Locks are always ordered separately.

Built-in Key Locks

Available in flat key or grooved key models. Can be obtained in many different key combinations or keyed alike if required. Dead 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 models for 2 Person and Duplex lockers.



Combination Padlock

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



Coin/Card Operated

This lock is ideal for public or private applications that require security with the assurance that keys will be returned, or as a revenue producer. Fits most Penco lockers. Available in 4 types: coin return, coin collect, token operation and card activated which is popular in the health club industry. Not available for Defiant lockers.



ADA Compliant Locks

Key Locks

For doors with Classic III handles only, not for single point or die-cast handles.

Model No. 9707 Just insert key (turning not required) and lift latch pull to open door.

Model No. 9676A Has an oversized keyhead to facilitate turning.



Battery Powered Lock

ADA compliant lock that opens by touching a Button Key to the lock. When opened, an LED light flashes and audio indicator sounds. Lock uses programming key to set user access and a master key for administrative or management use.



Basket Racks

An economical shelving rack specially designed to accommodate wire baskets for storage of athletic apparel, swimming trunks, etc. Ideal for schools, YMCA's, clubs and other organizations with swimming pools and gym facilities.



Penco basket racks' open type construction with 13 ga. posts and 20 gauge shelves permits free circulation of air and easy visual inspection. Stability is achieved through the use of 12 ga. cross braces. 3" high 20 ga. dividers between baskets and at ends of rows make basket contents inaccessible from adjacent openings.

Backs of shelves are turned down to form a backstop to prevent baskets from being removed from the rear. Aluminum number plates with 3/8" high black letters and 14 gauge padlock hasp are furnished for each opening and fasten to the front edge of the shelf. Number plate sequence must be specified when ordering. Units may be bolted together to form a double faced rack. Racks are 40" wide x 13-3/16" deep. Units can be equipped with casters. Order baskets separately.

Basket Racks (Order baskets separately)				
Levels/ Basket Capacity	Size (inches)			Cat. No.
	W	D	H	
For 9" wide baskets 4 baskets wide				
7/28	40	13	70	65910
8/32	40	13	79	65930
For 12" wide baskets 3 baskets wide				
7/21	40	13	70	65800
8/24	40	13	79	65830

Baskets

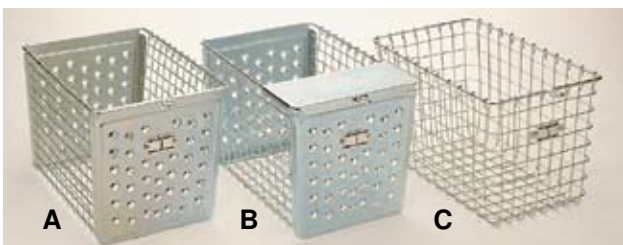
Three styles of baskets are available. All are nominally 13" D x 8" H. Baskets can be supplied with number plates corresponding to shelf position. Number sequence must be furnished with the order.

A. Perforated plate front and rear with wire on sides and bottom.

B. Same as above, except with "Pilfer Guard", an extra plate that covers the top front of the basket.

C. All plated wire construction.

Baskets (Order racks separately)				
Style	Size (inches)			Cat. No.
	W	D	H	
A. Perforated Front				
	9	13	8	9646
	12	13	8	9641
B. Perf. Front w/ Pilfer Guard				
	9	13	8	9642
	12	13	8	9643
C. All Wire				
	9	13	8	9621
	12	13	8	9620



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 All-Welded lockers.)



Food Industry Locker Conversion			
Size (inches)			Cat. No.
W	D	H	
Kits (for 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

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 15" wide. Locks should not be used on fire extinguisher doors or waste bin doors.



Locker Accessory Specifications



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; Card Lock.

Coin fee shall be (select one):
Token; One (1) Quarter; Two (2) Quarters; Card Lock.

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.

FINISHED END PANELS: 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 10 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.

WIRE BASKET RACKS: Shelving: Shelving units shall consist of 1" x 1" x 13 gauge angle posts punched for bolting shelves. Sway braces of 12 gauge steel shall be provided for the back and sides of the unit. Shelves shall be 20 gauge formed with downturned flanges at the back to act as a backstops.

Dividers: Dividers shall be 20 gauge, 3" in height with an attaching flange formed at right angles. Dividers are bolted to shelves.

Padlock Attachment: A padlock staple attachment shall be provided at the front edge of each shelf located to match the locking loop formed in the basket rim.

Casters (option): Mobility casters shall be 3" diameter, swivel-type bolted to each corner post.

Number Plates: Numbering shall consist of Penco standard aluminum number plates pop riveted to shelf face at each basket opening, and on the front of the basket.

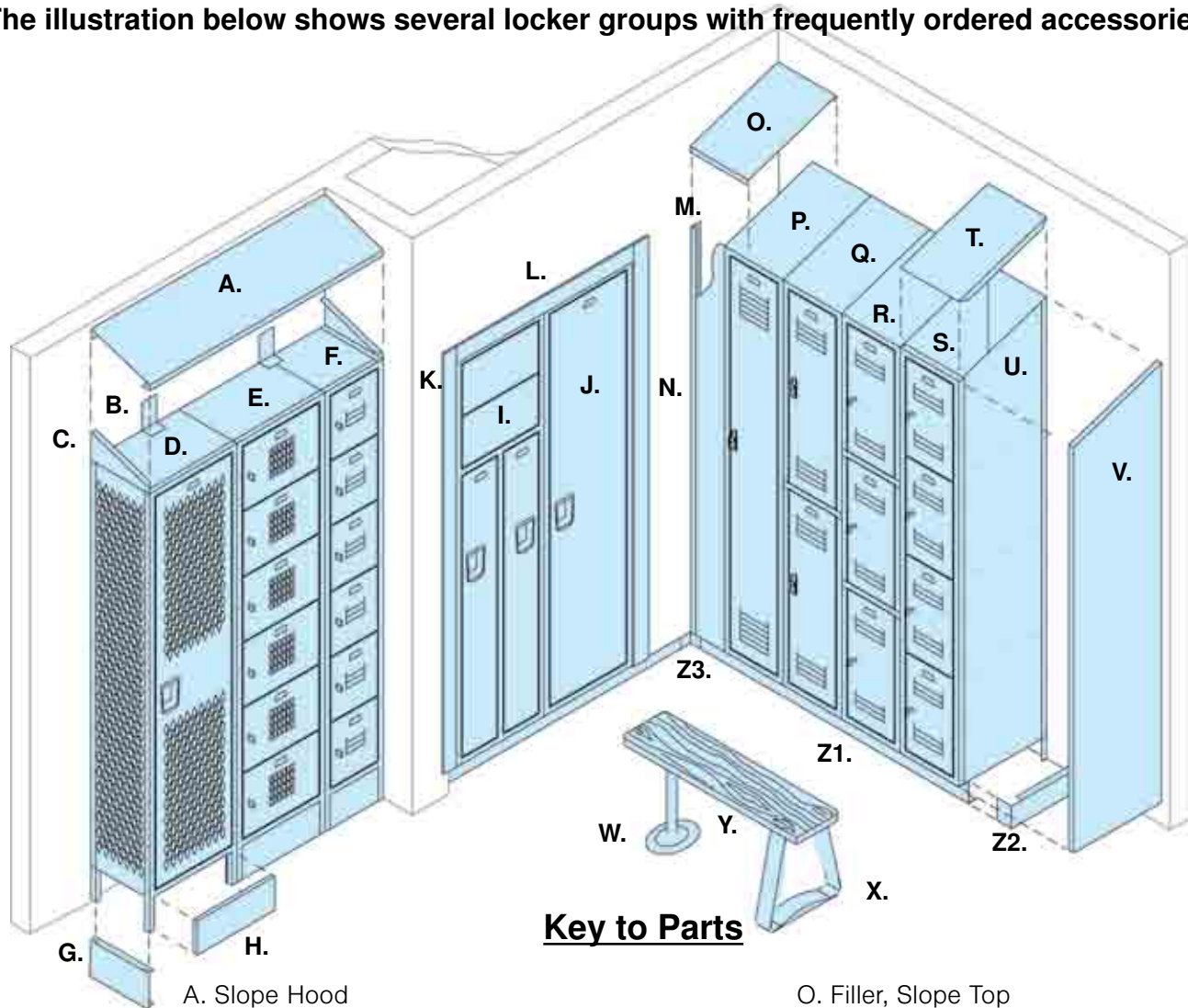
Baskets: Baskets shall be (select size) 12" x 13" x 8" or 9" x 13" x 8" of (select type) all wire or wire mesh or perforated steel front type.

Pilfer Guards (option): Provide a sheet steel pilfer guard designed for field attachment to the top of the basket to cover the first 3" of depth.

Finish: Finish on baskets and pilfer guards consists of electroplating with bright zinc chromate. Basket rack posts, shelves and braces to be finished in color selected from manufacturer's standard colors.

Penco Products, Inc. reserves the right to vary specifications consistent with our policy of continuous product improvement.

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



Key to Parts

- | | |
|--|------------------------------------|
| A. Slope Hood | O. Filler, Slope Top |
| B. Universal Rear Hood Support | P. Single Tier Vanguard |
| C. Slope End for Hood L.H. (Left Hand) | Q. Double Tier Vanguard |
| D. Single Tier Invincible | R. Three Tier Vanguard |
| E. 6 Tier Box Locker w/Visual Doors | S. Four Tier Vanguard |
| F. 6 Tier Box Locker w/Std. Louvers | T. Slope Top, Unit Construction |
| G. End Base, 6" High | U. Slope Top Division (Side) |
| H. Front Base, 6" High | V. Finished End Panel (Right Hand) |
| I. Two Person Guardian | W. Heavy Duty Bench Pedestal |
| J. Single Tier Guardian | X. Stainless Steel Bench Pedestal |
| K. Side Recess Trim | Y. Hardwood Bench |
| L. Top Recess Trim | Z1. Zee Base, 4" high |
| M. Wall Angle Slip Joint | Z2. Zee End Base/Splice |
| N. Vertical Filler | Z3. Zee Corner Splice |

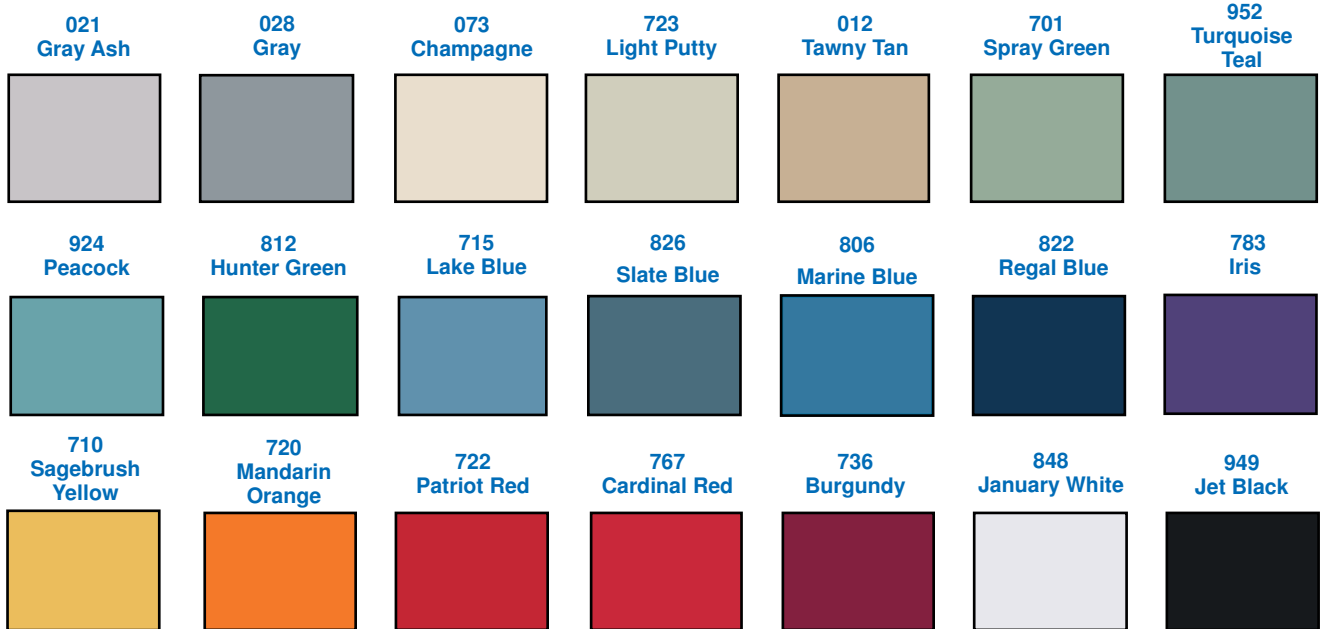
'Growth' with K.D. (Knocked Down / Unassembled) Lockers

When you install a locker frame next to another locker frame you must allow an additional 1/16" for the width of each locker. Example: a grouping of 7 lockers with a 12" nominal width ($7 \times 12" = 84"$) will require 84-7/16" total width for the group when adding in the growth factor ($7 \times 1/16" = 7/16"$). See page 23 for All Welded Locker Growth.

Standard Colors

To assure rust resistance and paint adhesion, all Penco lockers receive a state of the art pre-paint conditioning that includes a thorough cleansing by a hot spray washing process, then a coating with a special phosphate film for resistance to corrosion and improved paint bond strength.

Lockers are available in the 21 colors shown below. Select Vanguard sizes are available in Gray and Champagne as part of the QuickShip Program (see page 9). All Penco locker doors, frames and body parts are painted the same color, as standard. Contact your Penco sales representative for complete information.



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.

Three Paint Finishes

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.

PowderCoat plus™

PowderCoatplus is an optional cost-effective way of improving the durability and rust resistance of steel lockers. 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 (an effective alternative to galvanized steel).



Penco's optional X-Off Anti-Graffiti Paint 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.

Graffiti Removal Process (for lockers with X-Off finish only)



1. With the cloth dampened with alcohol, gently wipe the affected area. Turn the cloth and re-apply alcohol as needed. 2. After graffiti is removed, spray on the area with water and wipe again with a clean cloth.



Additional Storage Products Manufactured by Penco



Pallet Rack



RivetRite® Shelving



Wide Span Shelving



Shop Furniture



Erectomatic® & Clipper® Shelving



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