

RivetRite Introduction

RivetRite Universal Shelf Framing System

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

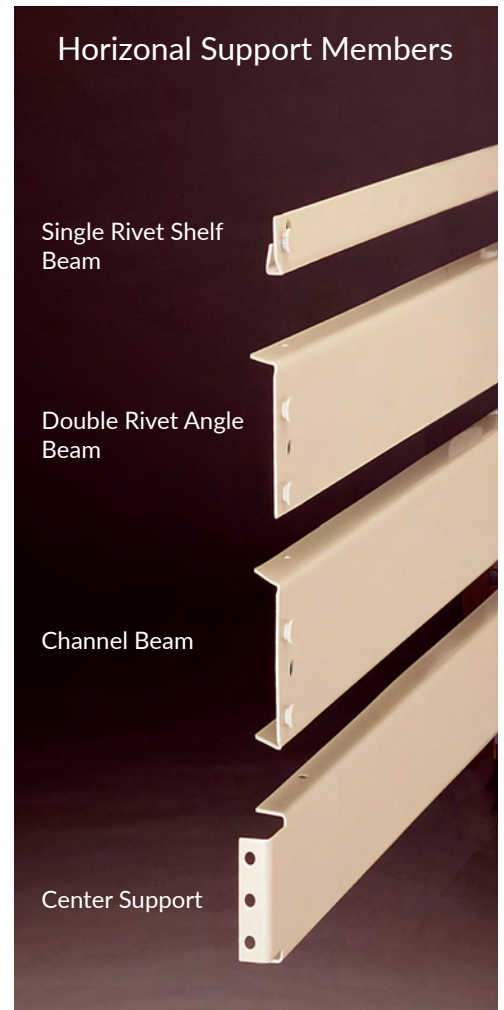
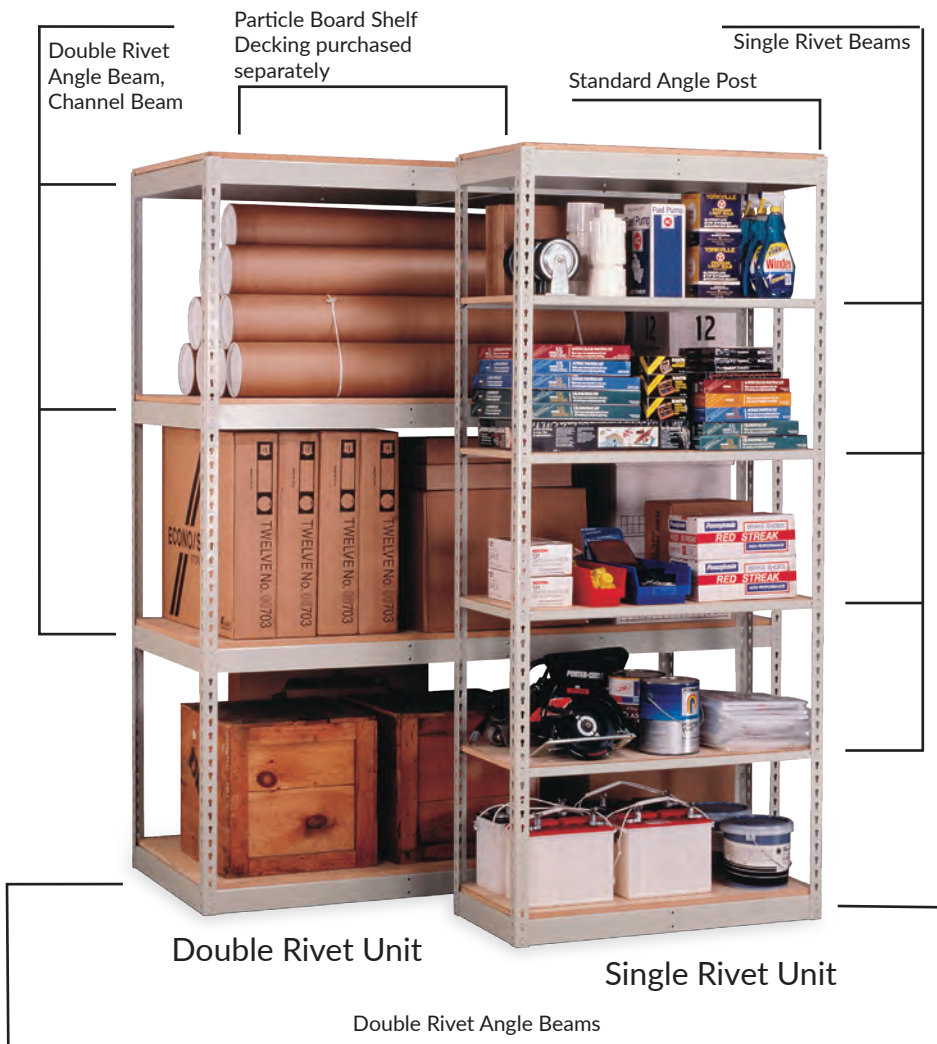
RivetRite offers the following to help solve your storage problems:

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



Components

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

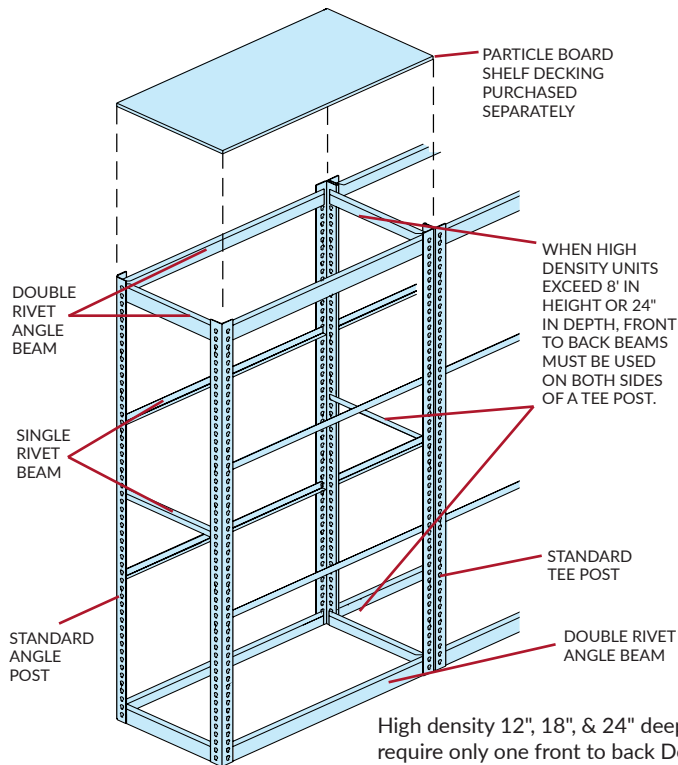


(Double Rivet Beams are ALWAYS used for the full perimeter at the TOP and BOTTOM of ALL

Building Your RivetRite® Units

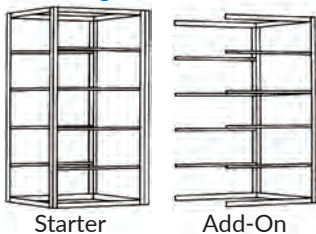
Single Rivet High Density Units

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

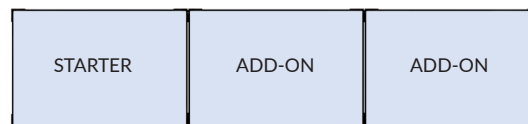


High density 12", 18", & 24" deep Add-On Units require only one front to back Double Rivet Angle Beam at unit top and bottom and one Single Rivet Shelf Beam for front to back at unit center.

Single Rivet Units

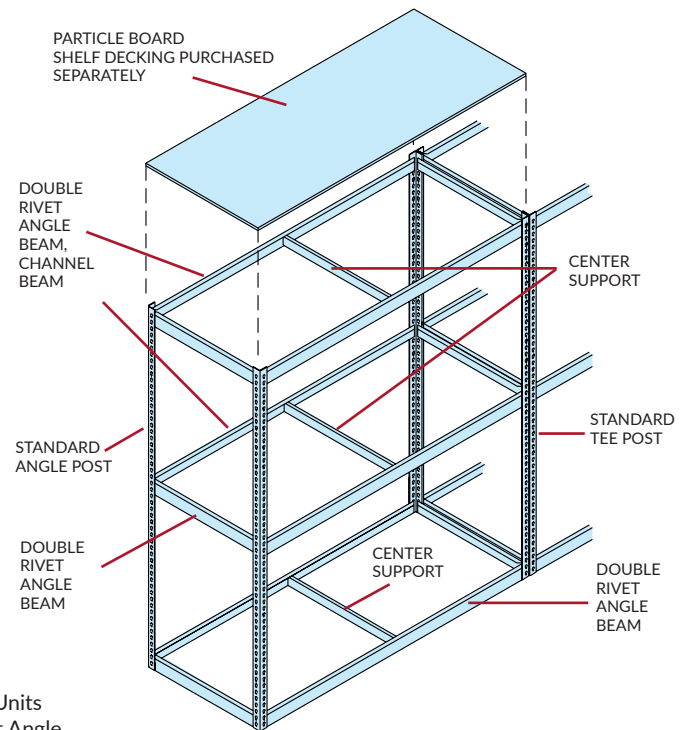


Starters and Adders

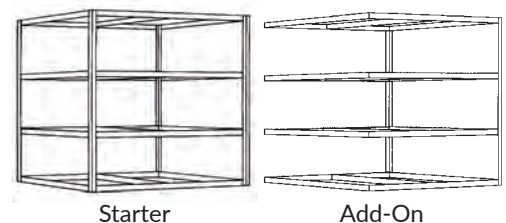


Double Rivet Bulky Storage Units

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



Double Rivet Units



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

Steps for Selecting Your RivetRite® Units

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

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



Single Rivet Units: Up to 48" Wide

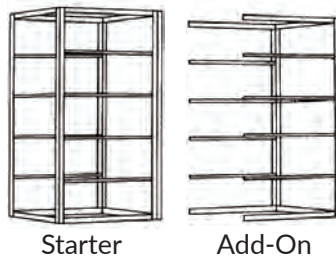
Single Rivet High Density Units

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

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

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

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



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



* Capacities shown are for the steel support beams, not the shelf deck material. For higher support beam capacity, see "RivetRite Components".
Capacities are in pounds for evenly distributed loads. All unit catalog numbers include metal framing only. Shelf deck material must be ordered separately.

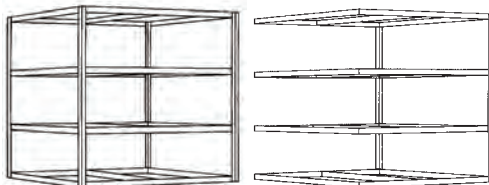
Single Rivet High Density Units (84" High)						
Unit Width	Shelf Depth	Shelf Capacity*	5 Shelf Cat. No.	6 Shelf Cat. No.	7 Shelf Cat. No.	8 Shelf Cat. No.
36" Starter Units	12"	350	461315	461316	461317	461318
	18"	350	461325	461326	461327	461328
	24"	350	461335	461336	461337	461338
	36"	350	461345	461346	461347	461348
36" Add-On Units	12"	350	462355	462356	462357	462358
	18"	350	462365	462366	462367	462368
	24"	350	462375	462376	462377	462378
	36"	350	462385	462386	462387	462388
48" Starter Units	12"	250	461415	461416	461417	461418
	18"	250	461425	461426	461427	461428
	24"	250	461435	461436	461437	461438
	36"	250	461445	461446	461447	461448
48" Add-On Units	12"	250	462455	462456	462457	462458
	18"	250	462465	462466	462467	462468
	24"	250	462475	462476	462477	462478
	36"	250	462485	462486	462487	462488

Double Rivet Units: Up to 96" Wide



Double Rivet Units

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



Starter

Add-On



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

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

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

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

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



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

(Boxes are not Included)

Keep Your Records Organized!

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

Record Storage Shelving

Record Storage Units

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

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

Record Storage Units

For Use With Decking (order deck material separately)

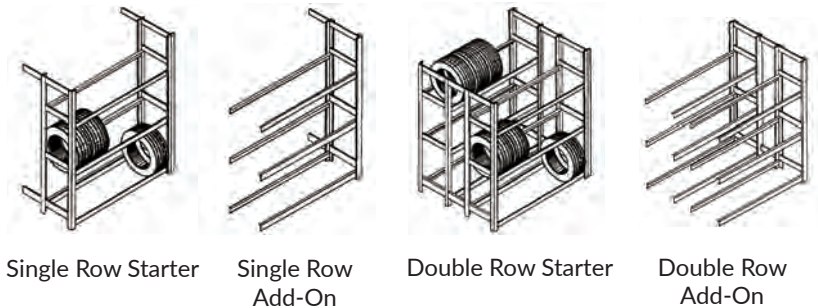
Unit Width	Unit Depth	Unit Height	No. of Shelves	No. of Boxes*	Starter Cat. No.	Add-On Cat. No.
42"	15"	84"	4	24	46601A	46613A
42"	30"	84"	4	48	46602A	46614A
69"	15"	84"	4	40	46603A	46615A
69"	30"	84"	4	80	46604A	46616A
42"	15"	108"	5	30	46605A	46617A
42"	30"	108"	5	60	46606A	46618A
69"	15"	108"	5	50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

Inventory Systems



Tire Storage Rack

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



Single Row Starter

Single Row Add-On

Double Row Starter

Double Row Add-On

Passenger Tire Storage Rack

Single Row

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

Double Row

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

Tire Rack Upright Frames

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

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

** Supplied with Heavy Duty Posts.

Components



Muffler Storage Unit

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

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



Hanging Tailpipe Rack

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

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

Components

Posts

Angle Posts

Standard Duty Angle:

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

Heavy Duty Angle:

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



Tee Posts Standard Duty Tee:

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

Heavy Duty Tee:

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

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

Beams

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

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

Heavy Duty Single Rivet "HS":

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

Double Rivet Angle Beams Standard Duty "SB":

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

Components

Heavy Duty "HB":

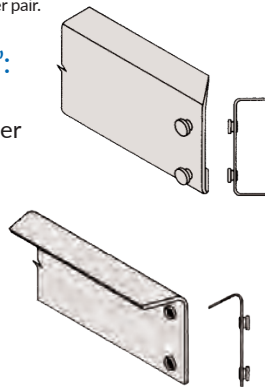
Provides stability and increased load capacity in the longer lengths.

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

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

Double Rivet Channel Beams "CB":

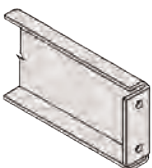
3" x 1". Channel is designed to provide maximum left to right stability and higher capacity than standard or heavy duty beams. Cannot be used at floor level. The top flange has holes for fastening decking.



Tire Rack Beams "TB":

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

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



Center Support:

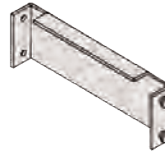
Used with double rivet beams to provide front-to-rear support for shelf deck and provides added stability to beams. Hardware included.



Post Splice:

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

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



Wall Tie:

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

Double Row and Top Ties:

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



Concrete Anchors:

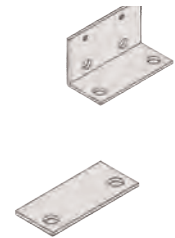
Used to secure posts to the floor (foot plates are used). Available in 2 lengths; the 2-1/4" length is sufficient for most usage, but areas with a high seismic rating may require the 3-3/4" length.



Foot Plate & Shim:

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

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

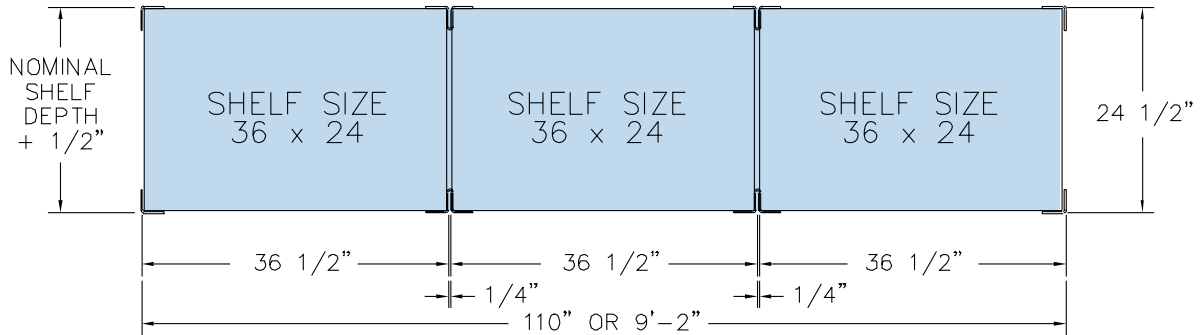


Ties and Anchors		
Description	Size	Std. Cat. No.
Wall Tie	9-1/4"	46WT09C
Double Row and Top Ties	18-1/4"	46RT18C
Concrete Anchors	3/8" x 2-1/4"	9280
	3/8" x 3-3/4"	9281
Foot Plate	-	46FP0H
Shim (plated)	3-1/2" x 2"	46FPS00Z

Technical Information - Growth/Width/Beams

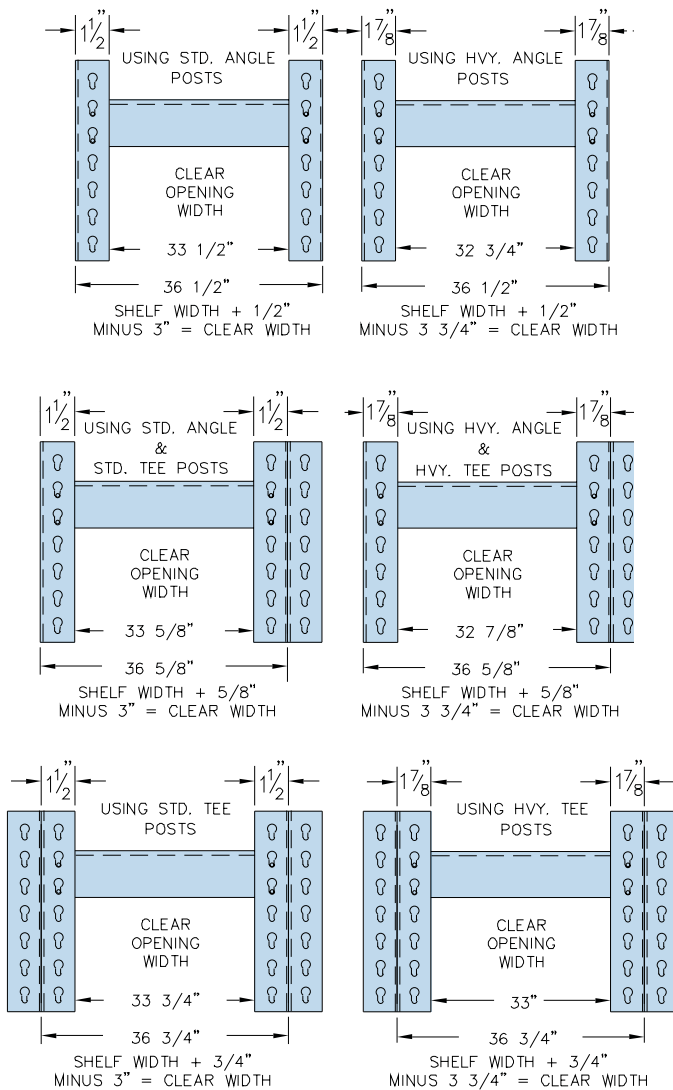
Unit Growth Chart

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

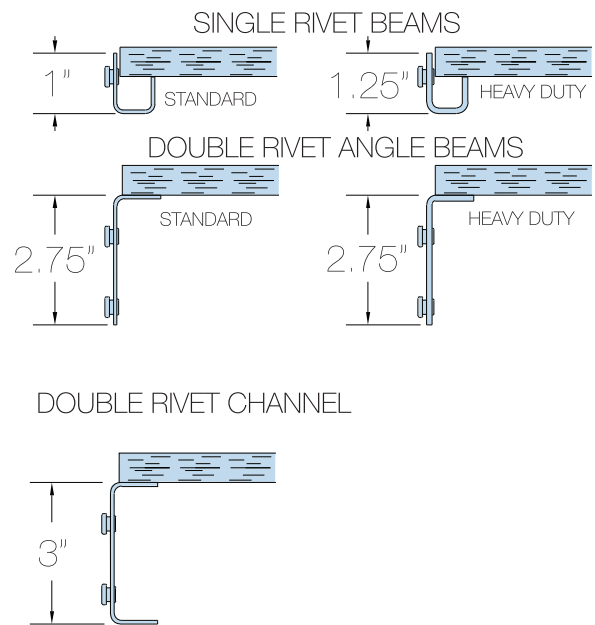


Unit Clear Width

EXAMPLES BELOW ARE BASED ON 36" WIDE SHELF



Beam Profiles



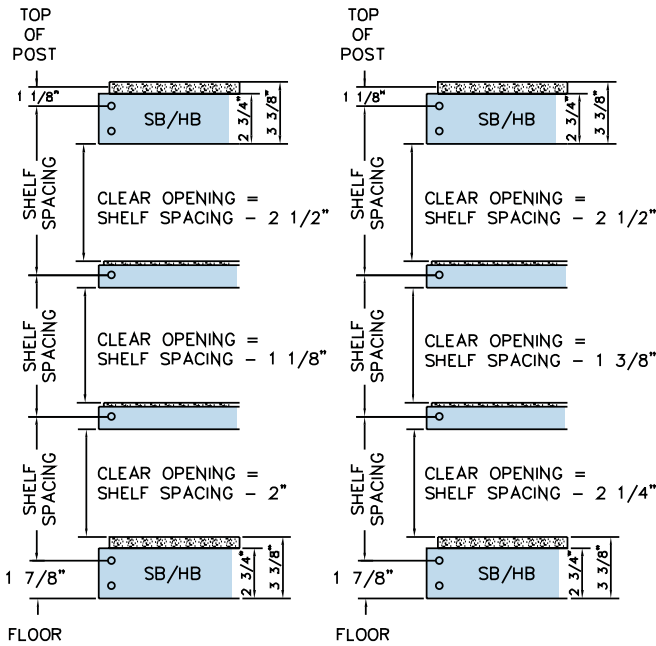
Technical Information - Vertical Clear Openings

Vertical Clear Opening Using 5/8" Shelf Deck Material

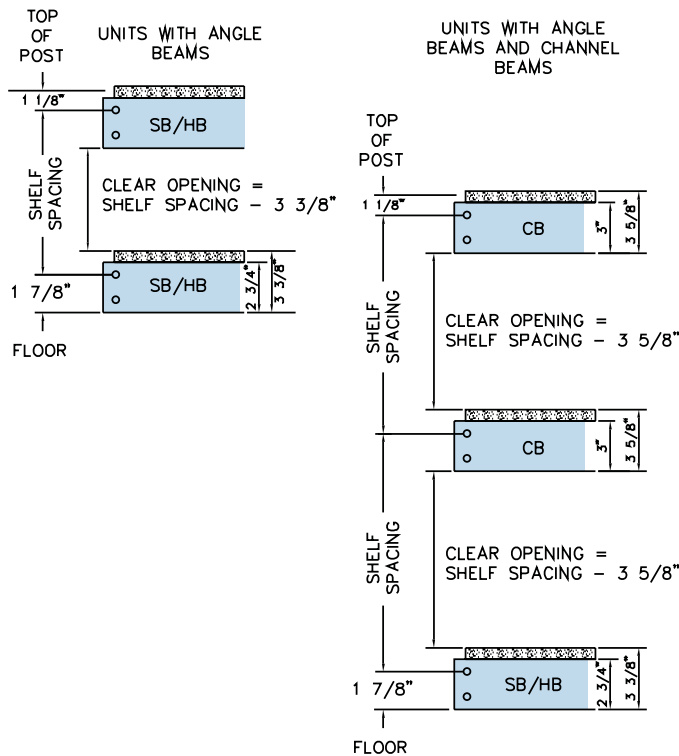
UNITS USING SINGLE RIVET SHELF BEAMS

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

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



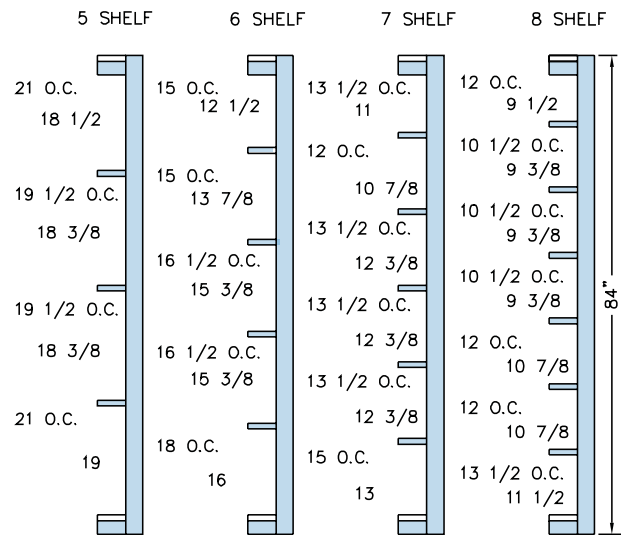
UNITS USING ANGLE AND CHANNEL BEAMS



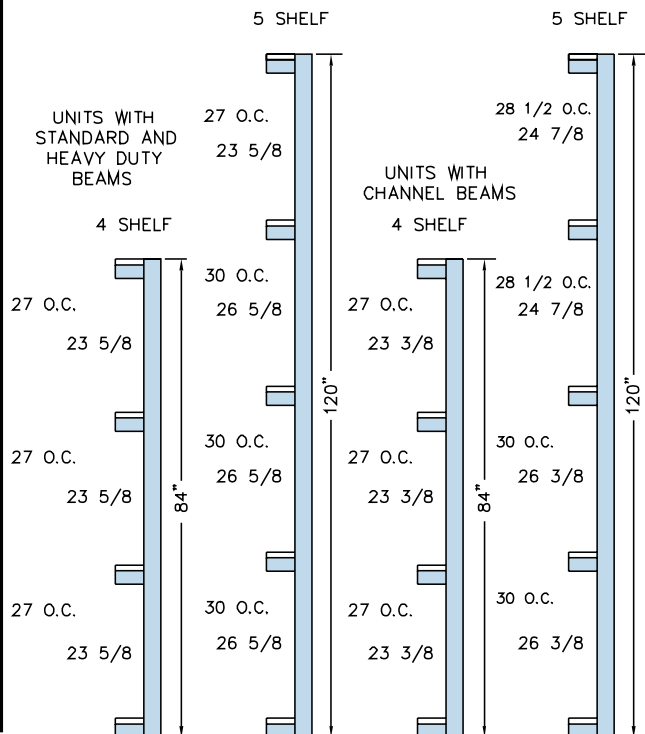
VERTICAL SHELF CLEARANCE

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

SINGLE RIVET HIGH DENSITY SHELVING UNITS



DOUBLE RIVET BULKY SHELVING UNITS



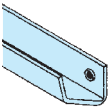
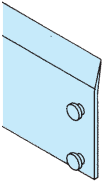
QuickShip Components



RivetRite® QuickShip Shelving Components




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

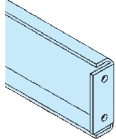
For detailed descriptions of components, see pages 31-32. All RivetRite QuickShip items are finished in 723 Light Putty powder coat paint. See beam capacities on page 37.

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

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

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

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

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



QuickShip Shelving

RivetRite® QuickShip Shelving Units

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



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

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

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

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

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

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

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

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

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

Touch Up Spray Paint - 12 oz.

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

723 Light Putty
97723Z



Starter



Add-On

Capacities

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

AUTOMOTIVE PARTS STORAGE UNITS

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

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

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

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

RivetRite® is a registered trademarks of Penco Products, Inc.
PENCO RESERVES THE RIGHT TO VARY SPECIFICATIONS CONSISTENT WITH A POLICY OF CONTINUOUS PRODUCT IMPROVEMENT.