

**Q LINE INDUSTRIAL SHELVING, CLOSED STYLE  
Installation Instructions**

Tennsco Corp., Dickson, TN 37056-1888 • (615) 446-8000

**RETAIN INSTRUCTIONS FOR FUTURE REFERENCE!**

Congratulations on your purchase of Q Line Industrial Shelving from **Tennsco**! Q Line shelving is designed for storage applications that demand strength and versatility. Available in a variety of heights, widths and depths, with either open or closed ends and backs, Q Line shelving is the answer for your heavy-duty storage needs.

Q Line's unique box-formation shelving structure provides added strength that makes it the strongest shelf in its class. The baked-on enamel finish assures years of trouble-free service, even under the most demanding situations. Compression clips provide boltless shelf attachment, making adding new shelves easy and convenient. Shelves can be adjusted quickly and easily in 1" increments, providing versatility.

Units can be used stand-alone, bolted side to side, or bolted back to back to suit your needs. A wide variety of accessory items are available to suit your requirements, whether your needs are within the office or the factory.

**SHELF LOAD CAPACITIES**

**22 GAUGE SHELVING**

36" WIDE		42" WIDE		48" WIDE	
Depth	Load Capacity	Depth	Load Capacity	Depth	Load Capacity
12"	750 lbs.	12"	600 lbs.	12"	500 lbs.
15"	750 lbs.	15"	600 lbs.	15"	500 lbs.
18"	750 lbs.	18"	600 lbs.	18"	500 lbs.
24"	700 lbs.	24"	550 lbs.	24"	450 lbs.
30"	600 lbs.	30"	500 lbs.	30"	400 lbs.

**20 GAUGE SHELVING**

36" WIDE		42" WIDE		48" WIDE	
Depth	Load Capacity	Depth	Load Capacity	Depth	Load Capacity
12"	1000 lbs.	12"	800 lbs.	12"	650 lbs.
15"	900 lbs.	15"	700 lbs.	15"	600 lbs.
18"	850 lbs.	18"	650 lbs.	18"	550 lbs.
24"	800 lbs.	24"	650 lbs.	24"	550 lbs.
30"	800 lbs.	30"	600 lbs.	30"	500 lbs.

**GENERAL SAFETY INFORMATION**

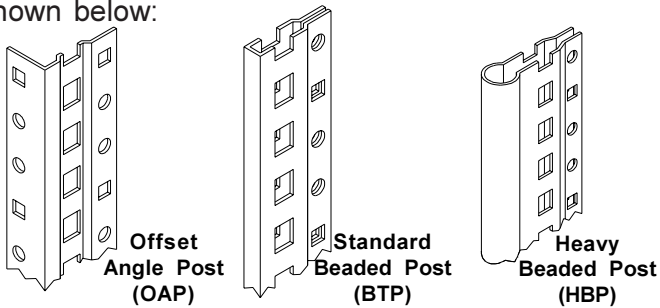
Some parts may have sharp edges. CARE must be taken when handling various pieces to avoid injury. For safety, wear a pair of work gloves when assembling or performing any maintenance on shelving.



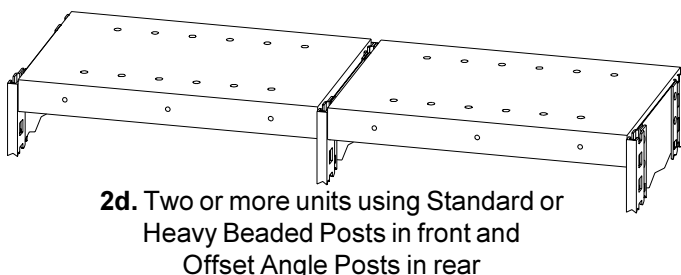
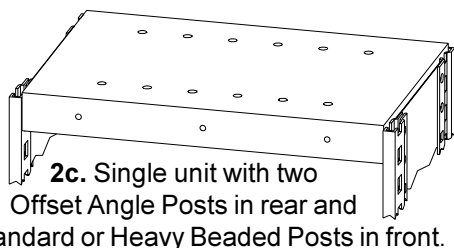
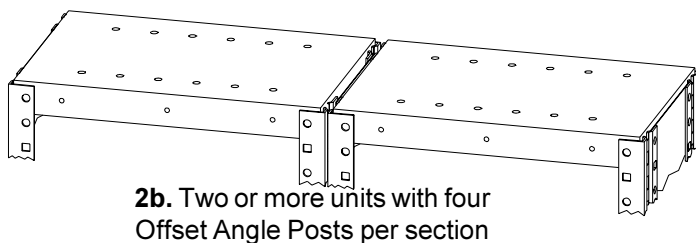
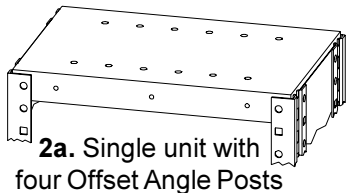
# ASSEMBLY OF Q LINE INDUSTRIAL SHELVING

Tools Needed: A  $\frac{7}{16}$ " nut driver or socket, and a flathead screwdriver. Label holder requires Phillips-head screwdriver.  
Requires two people for assembly. Approximate assembly time: 15 to 30 minutes per station.

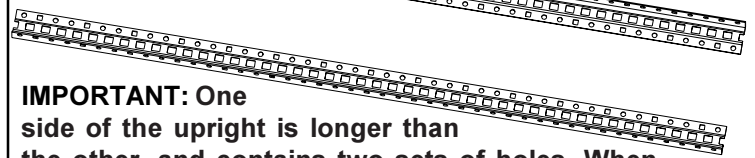
- The reference numbers used throughout this sheet refer to the illustration on the back cover. This is to help you to identify the various parts as they are mentioned. **NOTE:** Number of shelves per unit varies depending on unit purchased.
- Q Line uprights come in three different styles, as shown below:



These three upright styles may be used in several different combinations. In order to better understand these instructions, please examine the following configurations to determine which type of installation you will be assembling:



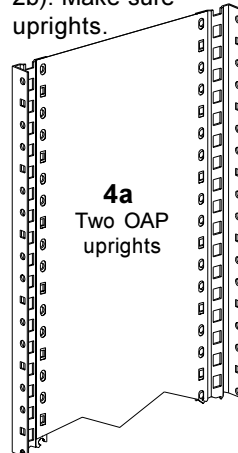
- Create the right side of the shelving unit by laying the appropriate uprights side by side on a flat surface. Refer to the illustrations in step four to make sure you are using the proper uprights for your application, and to see how the uprights will attach to the end panels.



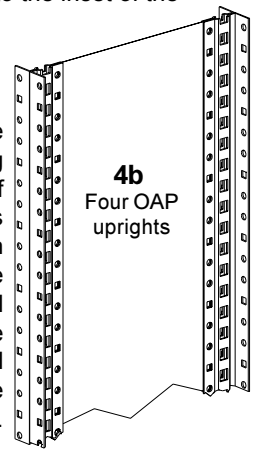
**IMPORTANT: One side of the upright is longer than the other, and contains two sets of holes. When laying the uprights side by side, this long side should be on the floor, and the short side should be pointing into the air.**

- Place an end panel (Ref. No. 2) on the uprights, using the drawings below as references for proper assembly. Be sure to choose the proper configuration for your installation:

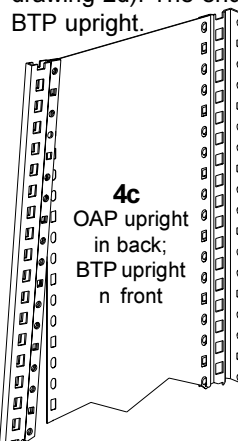
**4a.** Used for most single-unit installations (see drawing 2a). Also used on each end of a row of units (such as shown in drawing 2b). Make sure the end panel fits into the inset of the uprights.



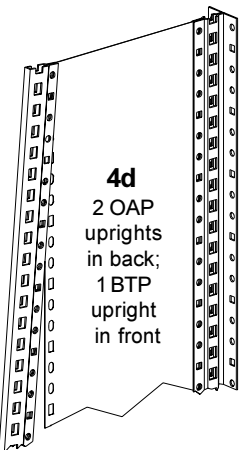
**4b.** Used as the center, joining upright bank of units (such as shown in drawing 2b). The end panel should be sandwiched between the upright posts.



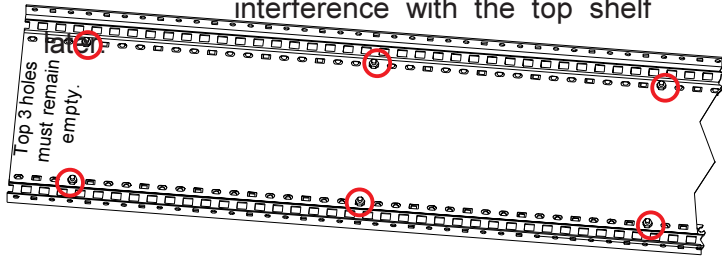
**4c.** Used for single-unit installations such as those in drawing 2c. Also used on each end of a row of units (such as shown in drawing 2d). The end panel will fit between the flanges in the BTP upright.



**4d.** Used as the center, joining upright in a bank of units (such as shown in drawing 2d). Two OAP posts are joined together, with one BTP in front. The end panel will fit between the flanges in the OAP upright.

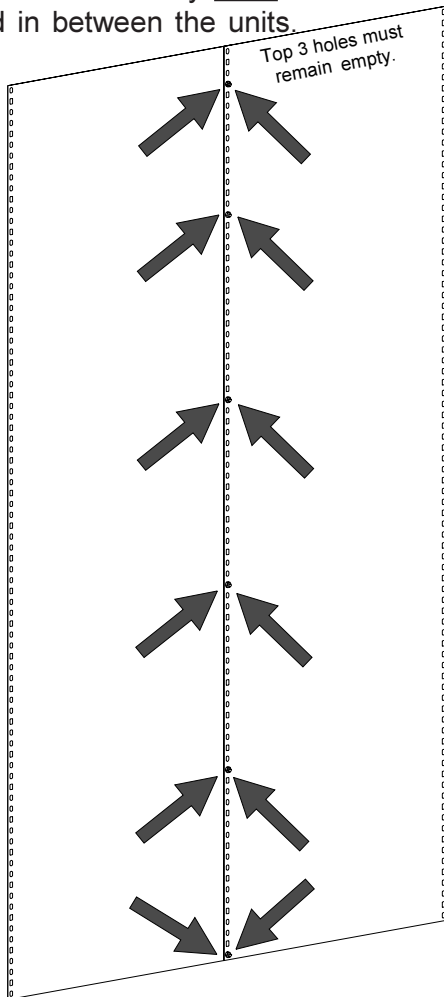


5. Bolt the panels into the small holes near the edge of both uprights using  $\frac{1}{4}$ -20 x  $\frac{5}{8}$  bolts and nuts (Ref. No. 6). Leave 16 or 17 holes (16 or 17 inches) between each bolt, as shown in the circles on the drawing below. Also, if you can pre-determine where you want your shelf levels to be, you should try to position the bolts where they will not interfere with the shelves; this will avoid having to move them later. Finger tighten only at this point, as binding may occur during shelf placement if side panels are attached too tightly. **NOTE:** The three holes at the top of the upright must be left open, as shown below, to avoid interference with the top shelf

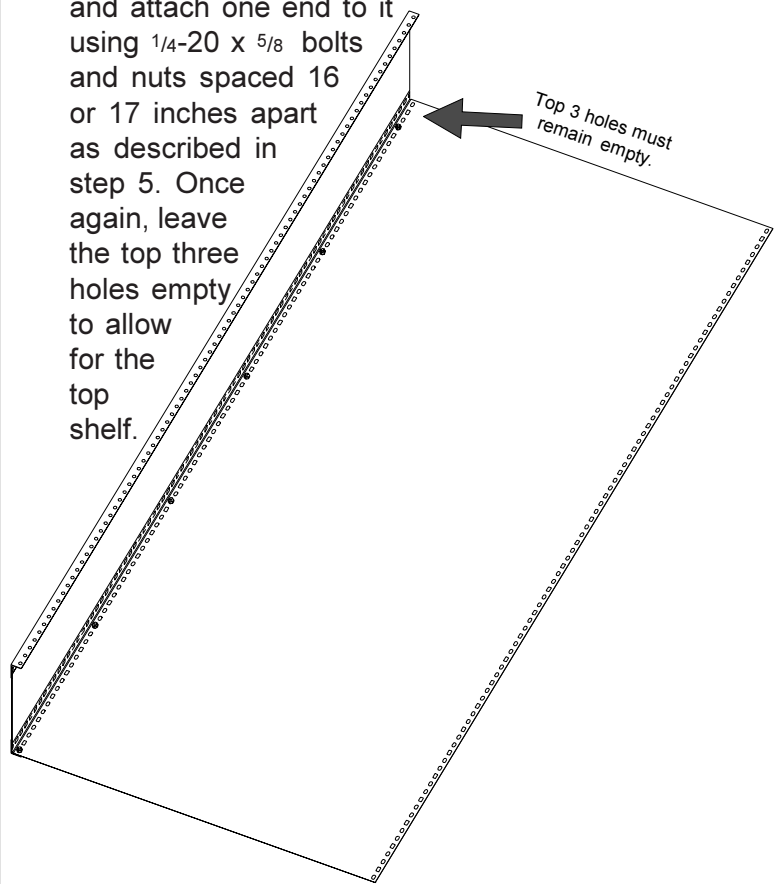


6. Repeat steps 3 through 5 for the left uprights. Again, be sure to note the type of uprights you should be using (according to the illustrations in step 2) for your type of installation. If you have purchased an adder unit such as the example in Figure 2D, please note that only ONE BTP or HBP post is used in between the units.

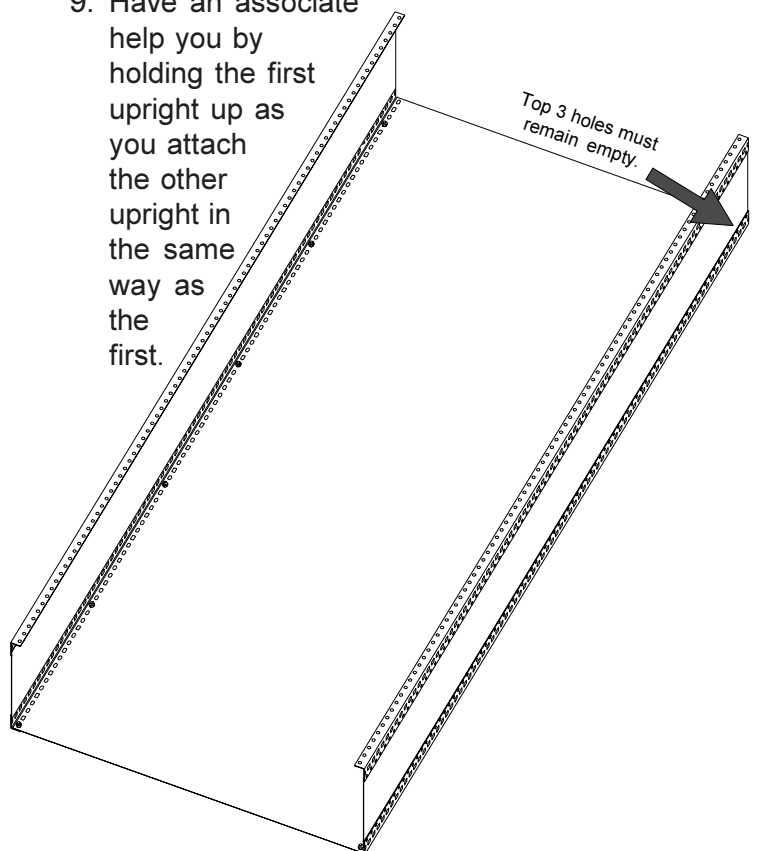
7. If you have purchased a 36" wide unit, skip to step 8. For 42" and 48" wide units, the unit back (Ref. No. 3) is shipped in two pieces. Place the two halves of the unit back together, and bolt together with  $\frac{1}{4}$ -20 x  $\frac{5}{8}$  bolts and nuts spaced 16 or 17 inches apart as shown in step 5. Again, the top three holes should be left empty to leave room for the unit top.



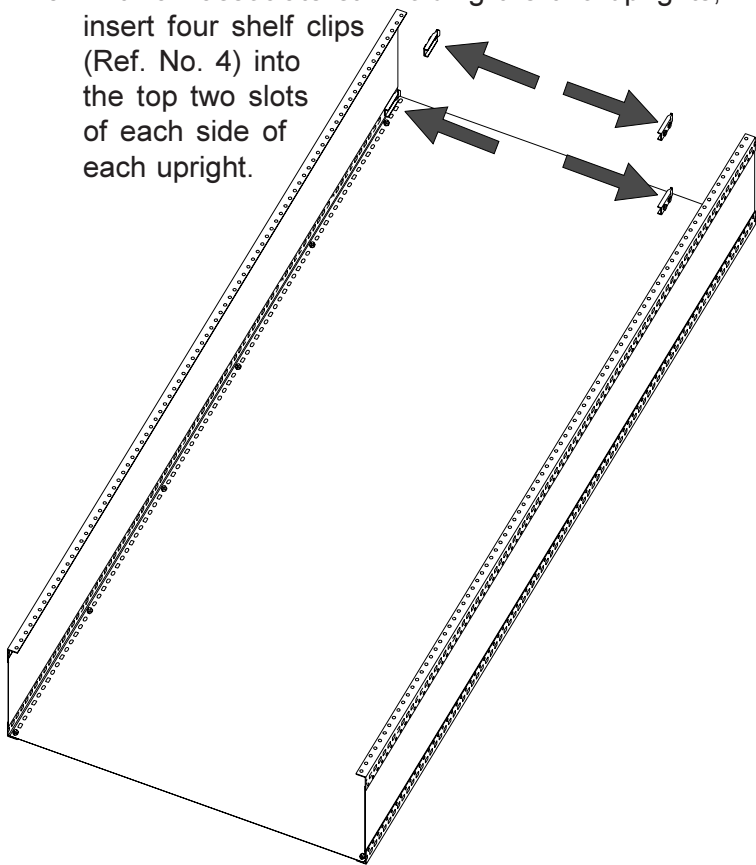
8. Lay the unit back (Ref. No. 3) on a flat surface and attach one end to it using  $\frac{1}{4}$ -20 x  $\frac{5}{8}$  bolts and nuts spaced 16 or 17 inches apart as described in step 5. Once again, leave the top three holes empty to allow for the top shelf.



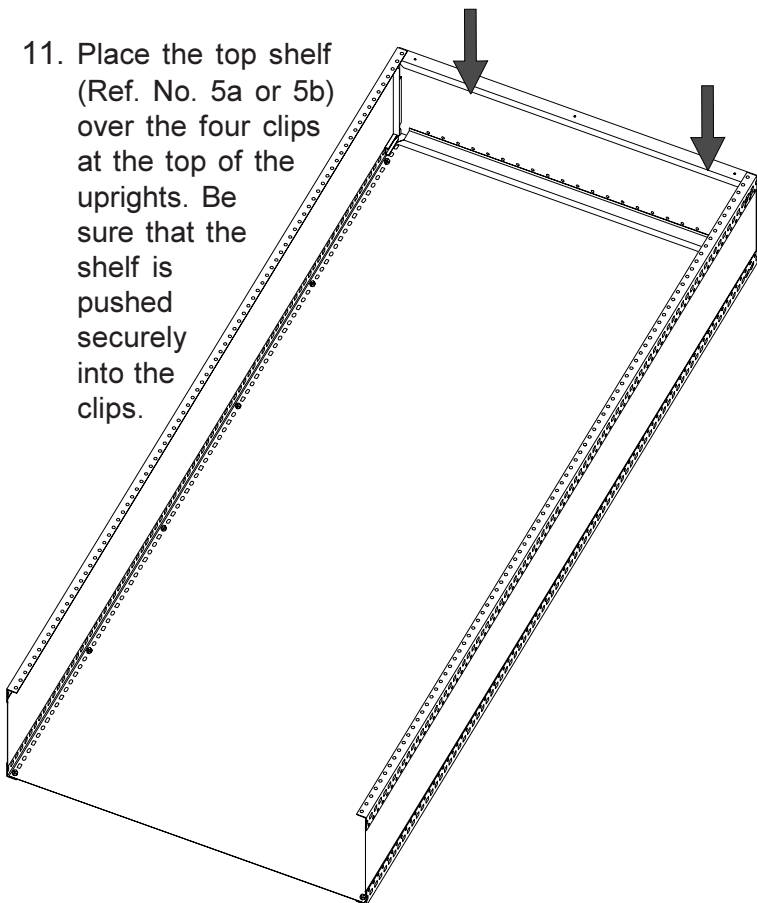
9. Have an associate help you by holding the first upright up as you attach the other upright in the same way as the first.



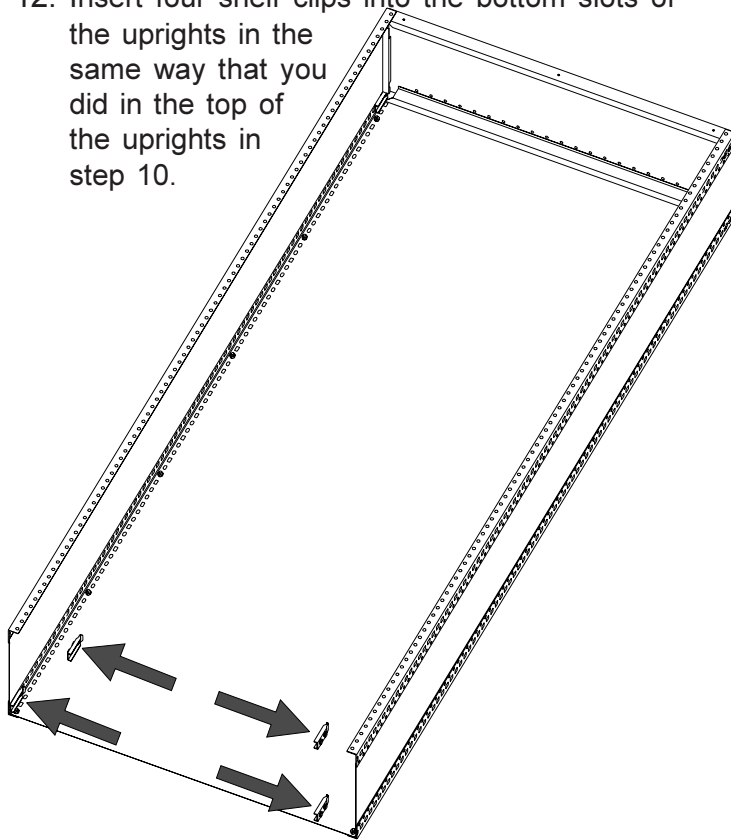
10. With an associate still holding the two uprights, insert four shelf clips (Ref. No. 4) into the top two slots of each side of each upright.



11. Place the top shelf (Ref. No. 5a or 5b) over the four clips at the top of the uprights. Be sure that the shelf is pushed securely into the clips.

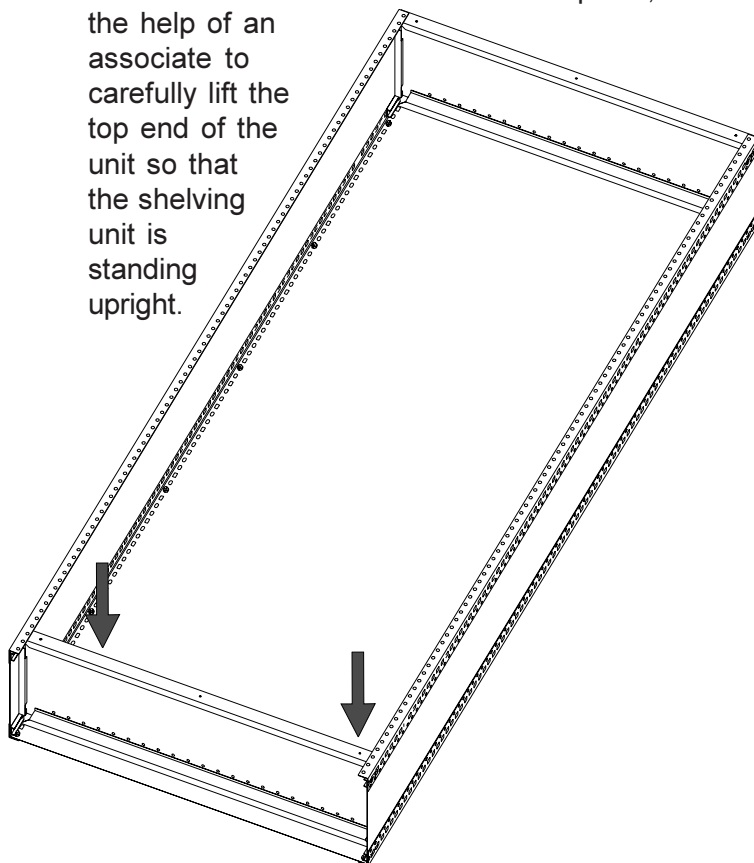


12. Insert four shelf clips into the bottom slots of the uprights in the same way that you did in the top of the uprights in step 10.



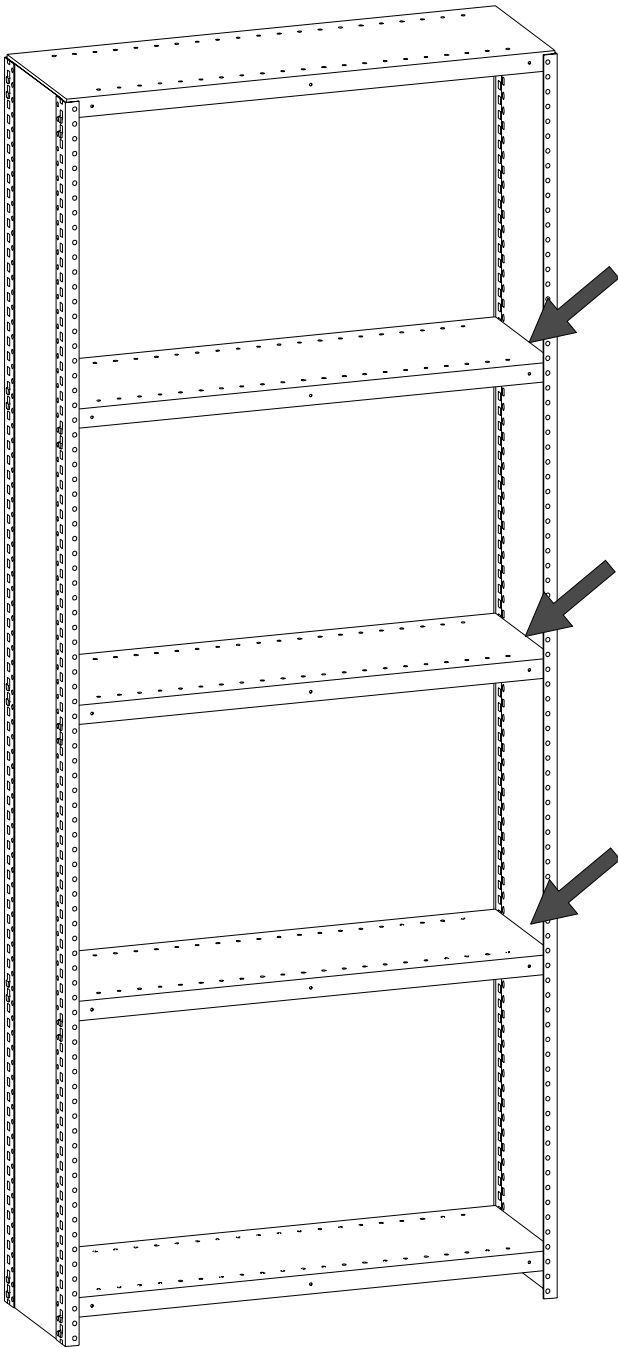
13. As you did in step 11, place a shelf securely onto the bottom four clips.

**NOTE:** Once the bottom shelf is in place, use the help of an associate to carefully lift the top end of the unit so that the shelving unit is standing upright.



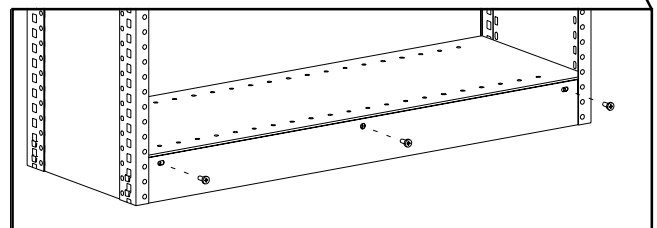
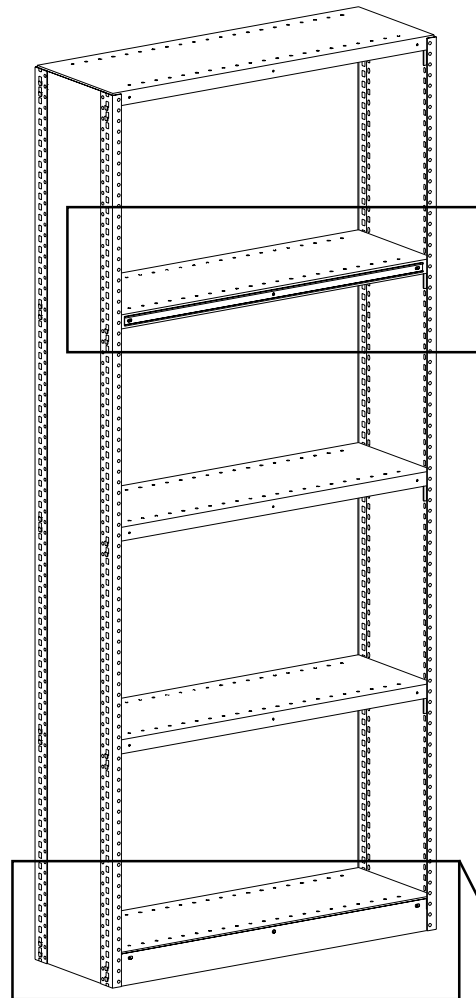
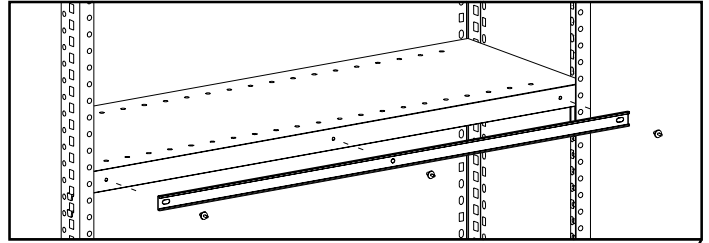
14. Position the remaining shelf clips according to your desired shelf heights, and place the shelves over the clips. Keep in mind, while placing the clips, that the post hole pattern of two round holes and then one square hole, repeated every 3", can greatly help in positioning the clips at the same level.

**PLEASE NOTE:** Some shelves, depending upon placement, could possibly require repositioning of some of the back- and end-panel bolts in order to insert the shelf.



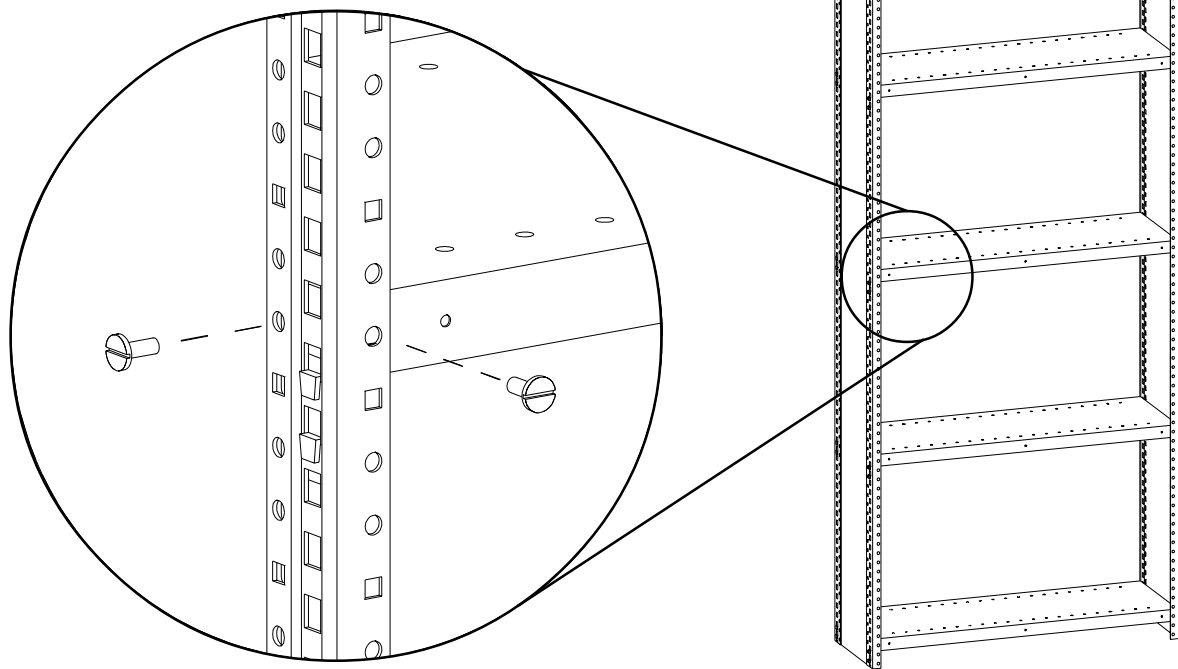
15. Tighten up all bolts and nuts on the side panels.

16. **OPTIONAL Label Holder:** Place the label holder (Ref. No. 7) on the front edge of the shelf and secure with three P-38F plastic plugs.

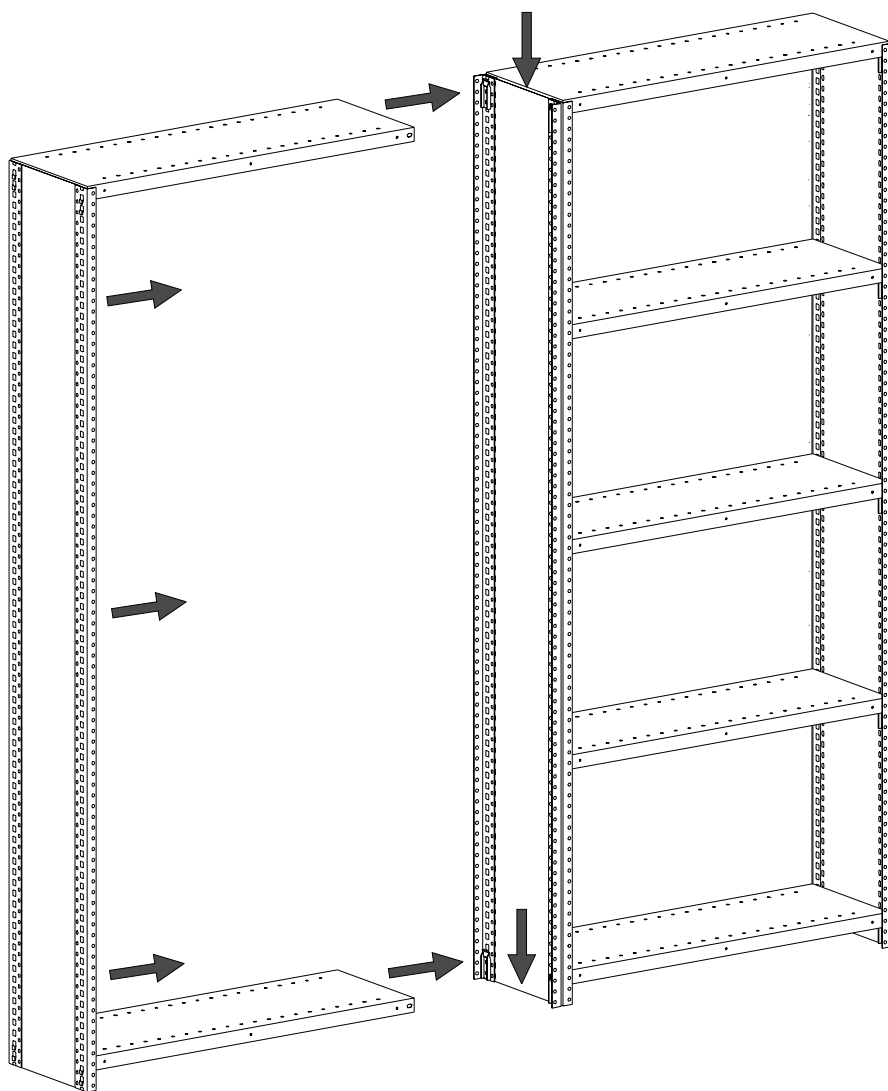


17. **OPTIONAL Front Base Strip:** Bolt front base strip (Ref. No. 8) to the outside of the bottom shelf with the three self-tapping screws provided. Make sure that the ends of the front base strip are behind the front flanges of the uprights.

18. For added strength, place two  $\frac{1}{4}$ -20 x  $\frac{5}{8}$ " bolts and nuts (available locally) through each corner of each shelf, and into the small holes of the upright.

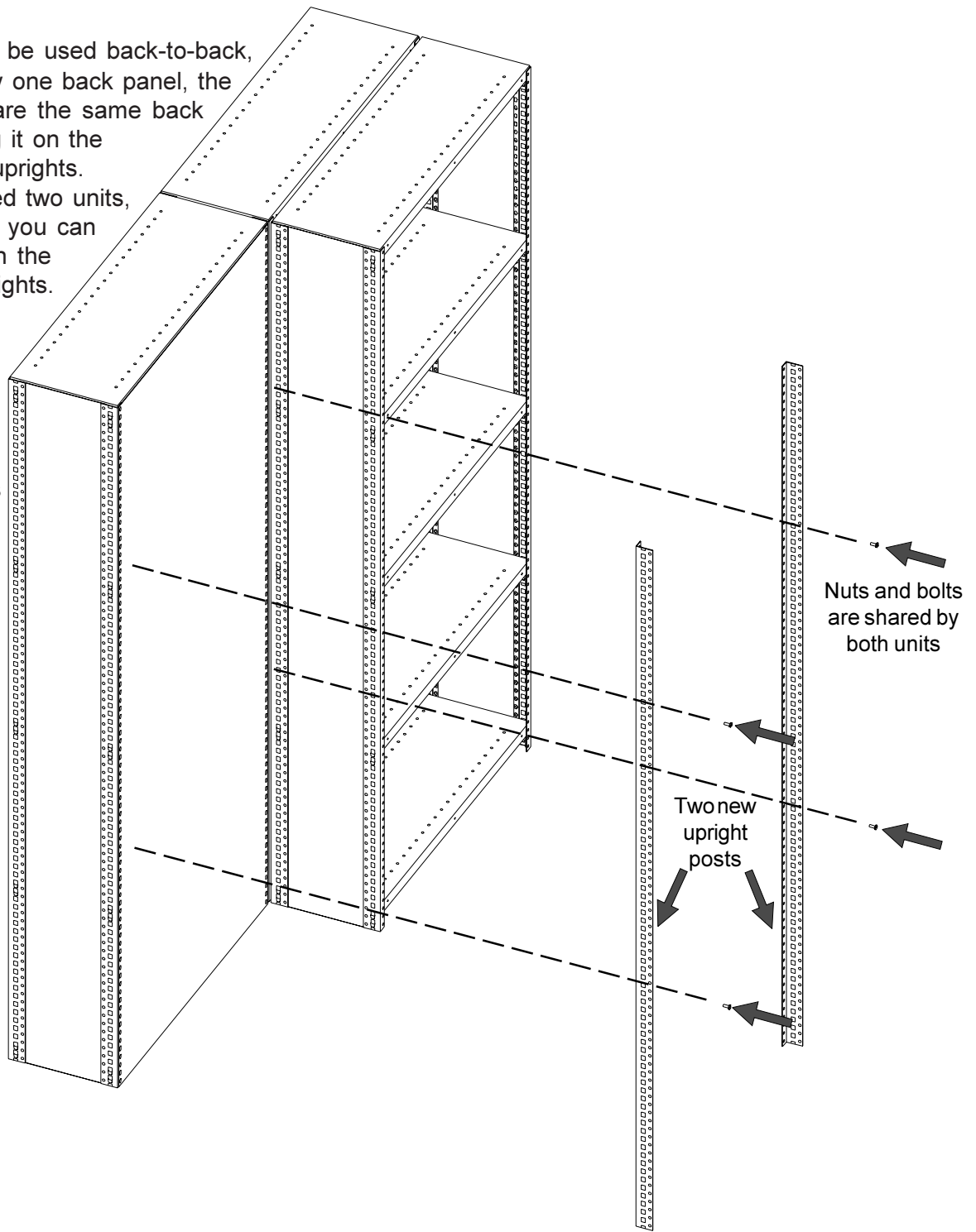


19. If more than one unit is to be used in a row, assemble a new unit end, and then connect this new end to the existing unit (which you already built with the proper uprights if you followed the instructions in step 4) with a top and bottom shelf. After the end is connected, you can then insert the back by bending it slightly and wedging it between the posts and the shelves. Once the back is in place, you may insert the remaining shelves.



20. If two units are to be used back-to-back, and you have only one back panel, the two units may share the same back panel by attaching it on the OUTSIDE of the uprights. If you have ordered two units, each with a back, you can use both backs on the INSIDE of the uprights.

**NOTE:** When attaching units back-to-back, you will have to unscrew some of the nuts and bolts you have already attached, as both units will share the same nuts and bolts in the back.



### LIMITED WARRANTY

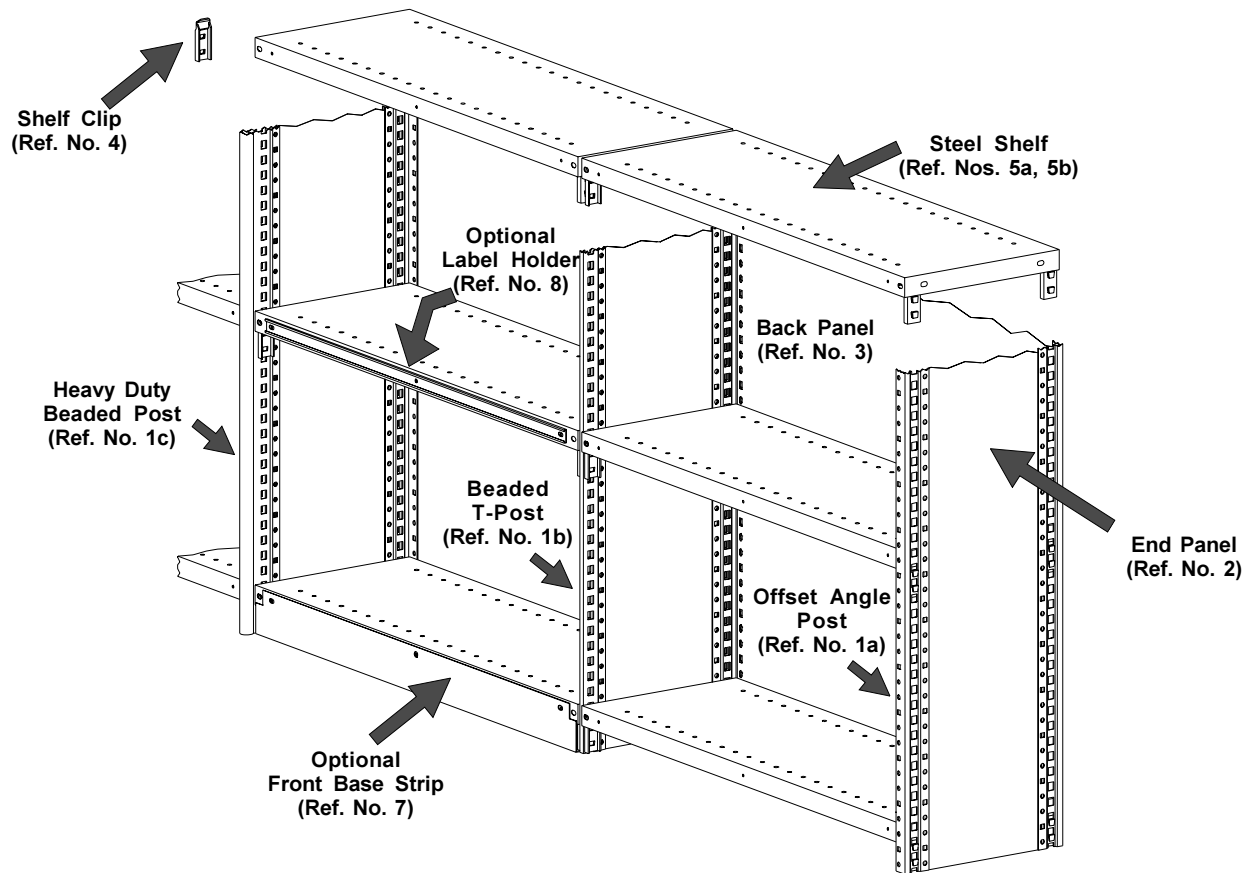
Tennsco warrants goods purchased hereunder to be free of defects in materials and workmanship for a period of one (1) year from the date of shipment, hereunder. This warranty shall not apply in the event goods are damaged as a result of misuse, abuse, neglect, accident, improper application, modification or repair by persons not authorized by Seller, where goods are damaged during shipment, or where the date stamps on the goods have been defaced, modified or removed. UNLESS CONSIDERED UNENFORCEABLE OR UNLAWFUL UNDER APPLICABLE LAW:

- a. ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED:
- b. BUYERS REMEDY, IF ANY, FOR ANY DEFECTIVE GOODS SHALL BE LIMITED TO A REFUND BY SELLER OR REPLACEMENT OF THE GOODS AT SELLER'S OPTION, AND SHALL IN NO EVENT INCLUDE DAMAGES OF ANY KIND, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.

NO GOODS ACCEPTED FOR RETURN WITHOUT PRIOR APPROVAL. Seller shall have the right to inspect any goods claimed to be defective at Buyers place of business or require Buyer to return the goods to Seller for inspection on Seller's premises. Transportation charges covering returned goods will be borne by Seller only if such goods are proven to be defective, are covered by this warranty and are returned within the warranty period stated above.

TENNSCO CORP., P.O. BOX 1888, DICKSON, TN 37056-1888  
 (615) 446-8000 (800) 251-8184

# REPLACEMENT PARTS



BASIC UNIT PARTS			OPTIONAL ITEMS		
REF. NO.	DESCRIPTION	PART NO.	REF. NO.	DESCRIPTION	PART NO.
1a	Offset Angle Post	OAP-hh	7	Optional Front Base Strip	FBS-ww2
1b	Beaded T-Post	BTP-hh	8	Optional Label Holder	LH-ww
1c	Heavy Duty Beaded Post	HBP-hh	—	Optional Hinged Door & Frame	HD-3687
2	End Panel	EP-ddhh	—	Optional Bin Dividers	BD-ddhh
3	Back Panel	BP-wwhh	—	Optional Bin Front	BF-wwh
4	Shelf Clip	T-1	—	Optional Foot Plate	FP-1
5a	22 gauge steel shelf**	Q2-wwdd	—	Optional Sliding Divider	SD-ddhh
5b	20 gauge steel shelf**	Q-wwdd	—	Optional Shelf Box	BX-wwdd
6	1/4-20 x 5/8" bolts and nuts	—	—	—	—

\*Where the suffix "ww", "dd", or "hh" is used in the part number, the width (ww), depth (dd) or height (hh) is substituted in the part number. For example, for an 87" high Offset Angle Post, the part number would be OAP-87.

\*\*In order to tell whether your shelves are 22 gauge or 20 gauge, look for a diamond-shaped hole on the end flange of shelf. If the hole is there, your shelf is 20 gauge. Be sure to check both ends, as this indicator is only found on one end.

**Tennsco makes every effort to ensure that all units ship complete with all parts and arrive undamaged. However, should your unit contain missing or damaged parts, replacements may be obtained directly from Tennsco. To obtain proper replacement parts, follow the instructions below:**

## TO OBTAIN PROPER REPLACEMENT PARTS, PLEASE PROVIDE THE FOLLOWING INFORMATION:

- Description of part(s) needed and part number(s) as shown in Parts List (above)
- Color (i.e. Medium Grey, etc.)
- Was item missing, or was it damaged?
- Purchase Date
- Your company name
- Contact person's name
- Who the product was purchased from

Tennsco Corp., P.O. Box 1888, Dickson, TN 37056-1888    Voice: (800) 251-8184    Fax: (800) 722-0134  
 If requesting parts by telephone, ask for customer service and have as much of the above information as possible.