

RETAIN INSTRUCTIONS FOR FUTURE REFERENCE!

Congratulations on your purchase of Q Line Industrial Shelving. 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.

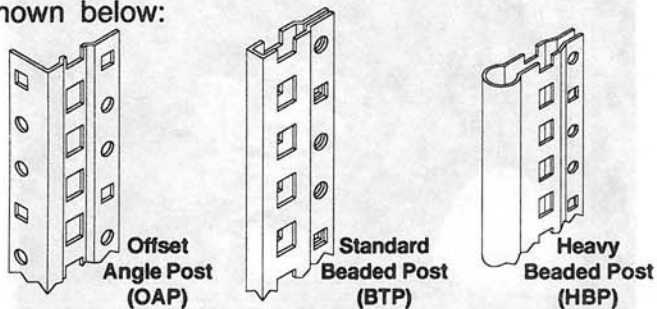


ASSEMBLY OF Q LINE INDUSTRIAL SHELVING

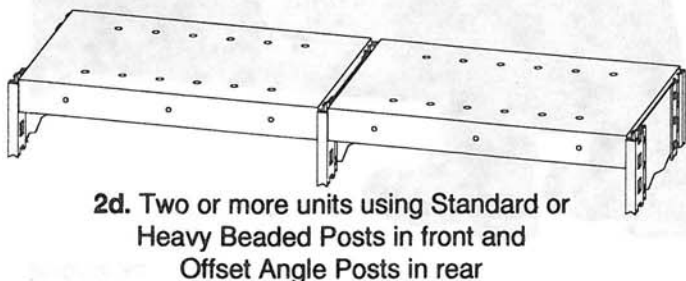
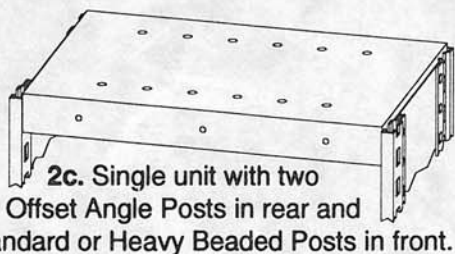
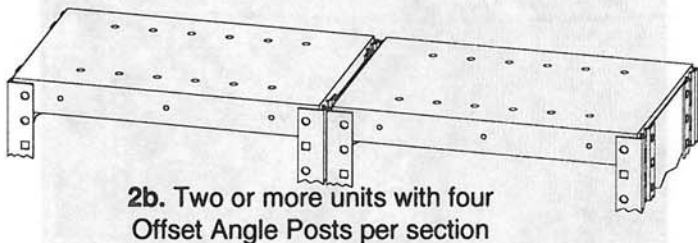
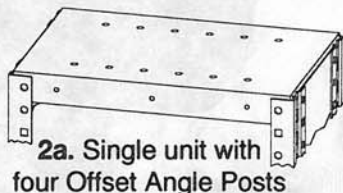
Tools Needed: A 7/16" nut driver or socket and a flathead screwdriver. Label holder requires a Phillips-head screwdriver.
Requires two people for assembly. Approximate assembly time: 15 to 30 minutes per station.

1. 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.

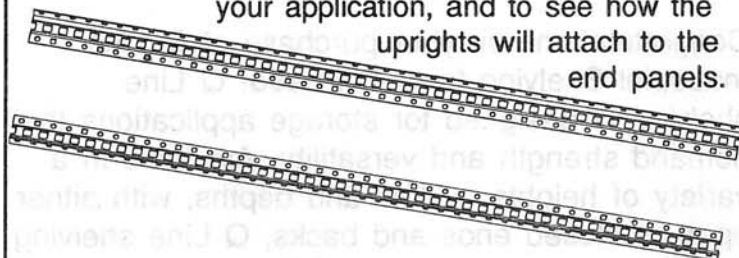
2. Q Line uprights come in three different styles, as shown below:



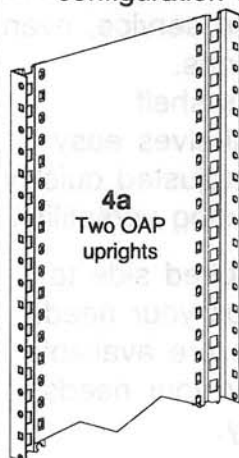
These three upright styles may be used in several different combinations. In order to better understand these instructions, please examine the following configurations to determine which type of installation you will be assembling:



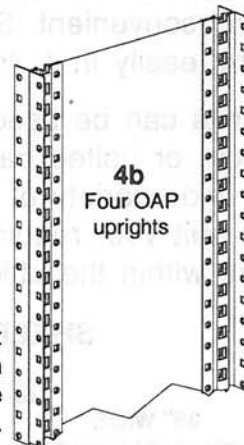
3. Create the right side of the shelving unit by laying the appropriate uprights side by side on a flat surface. Refer to the illustrations in step four to make sure you are using the proper uprights for your application, and to see how the uprights will attach to the end panels.



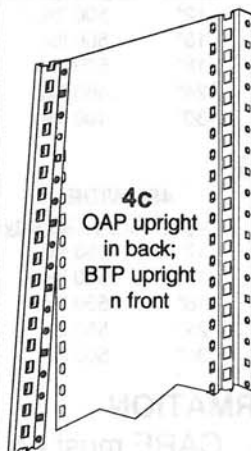
4. Place an end panel (Ref. No. 2) on the uprights, using the drawings below as references for proper assembly. Be sure to choose the proper configuration for your installation:



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.



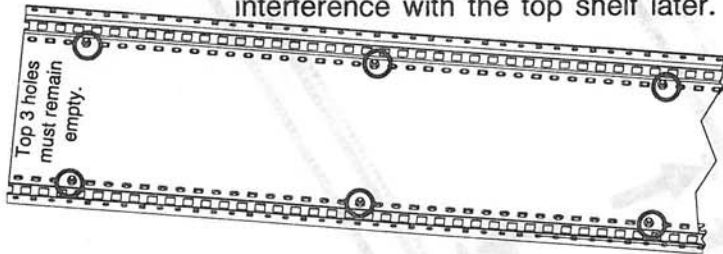
4c. Used for single-unit installations such as those in drawing 2c. Also used on each end of a row of units (such as shown in drawing 2d). The end panel will fit between the flanges in the BTP upright.



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.

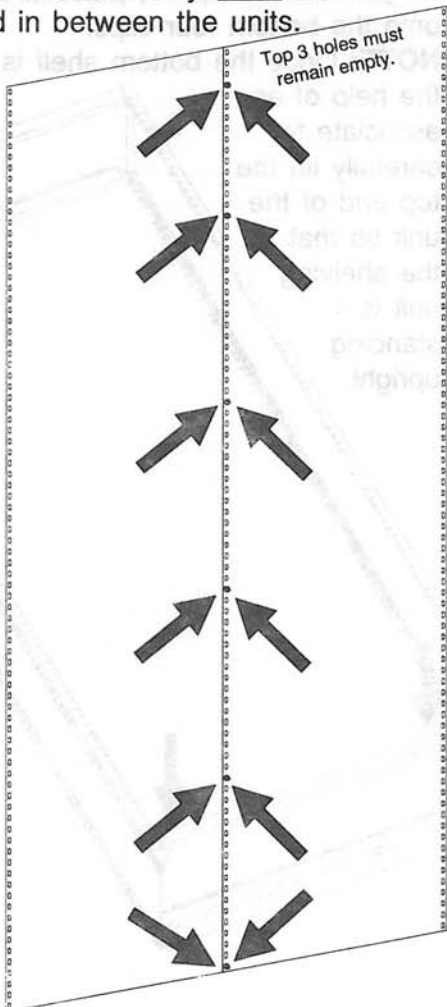
5. Bolt the panels into the small holes near the edge of both uprights using $1/4$ -20 x $5/8$ bolts and nuts (Ref. No. 6). Leave 16 or 17 holes (16 or 17 inches) between each bolt, as shown in the circles on the drawing below. Also, if you can pre-determine where you want your shelf levels to be, you 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 the 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 later.

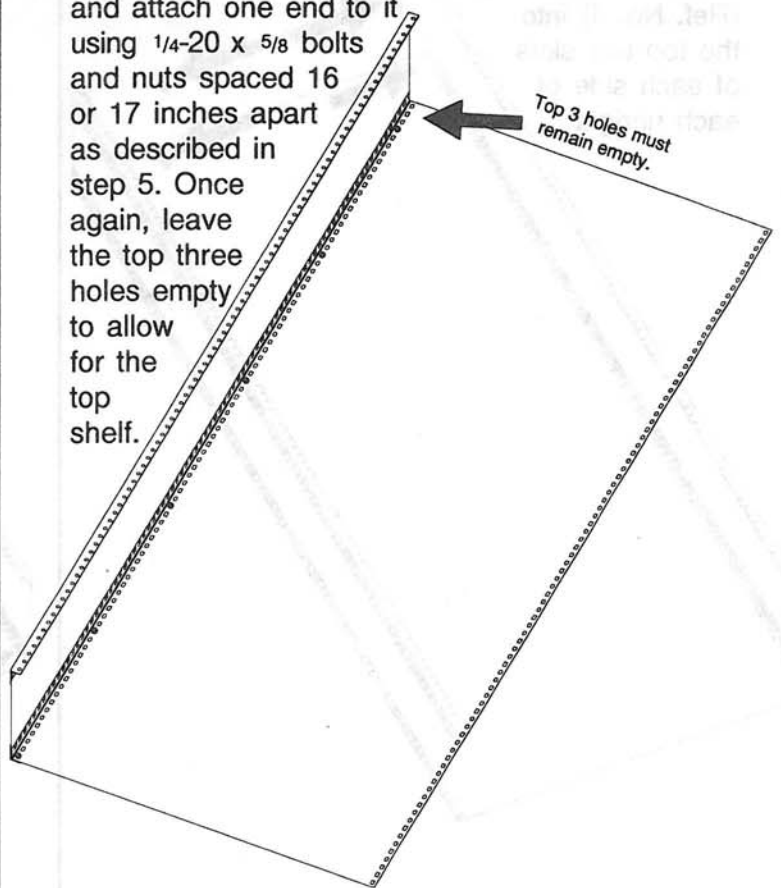


6. Repeat steps 3 through 5 for the left uprights. Again, be sure to note the type of uprights you should be using (according to the illustrations in step 2) for your type of installation. If you have purchased an adder unit such as the example in Figure 2D, please note that only ONE BTP or HBP post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

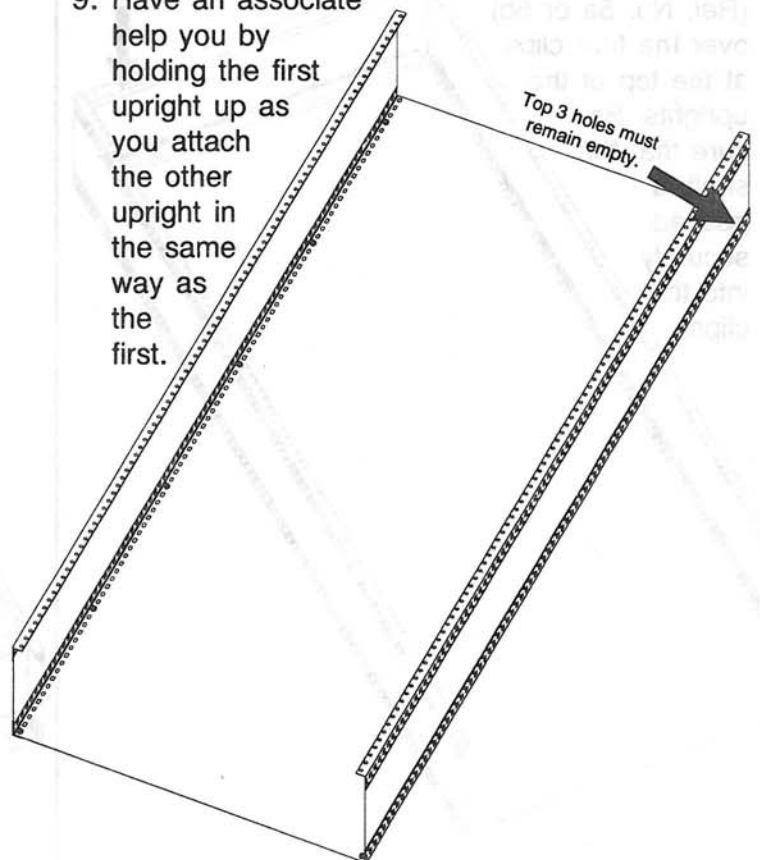
7. If you have purchased a 36" wide unit, skip to step 8. For 42" and 48" wide units, the unit back (Ref. No. 3) is shipped in two pieces. Place the two halves of the unit back together, and bolt together with $1/4$ -20 x $5/8$ bolts and nuts spaced 16 or 17 inches apart as shown in step 5. Again, the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



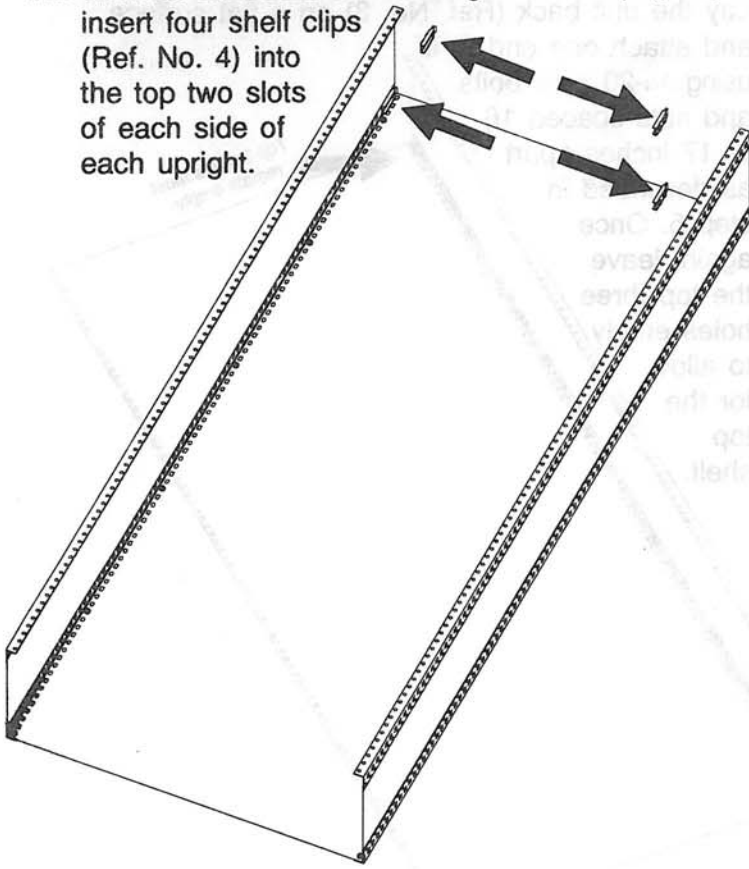
8. Lay the unit back (Ref. No. 3) on a flat surface and attach one end to it using $1/4$ -20 x $5/8$ bolts and nuts spaced 16 or 17 inches apart as described in step 5. Once again, leave the top three holes empty to allow for the top shelf.



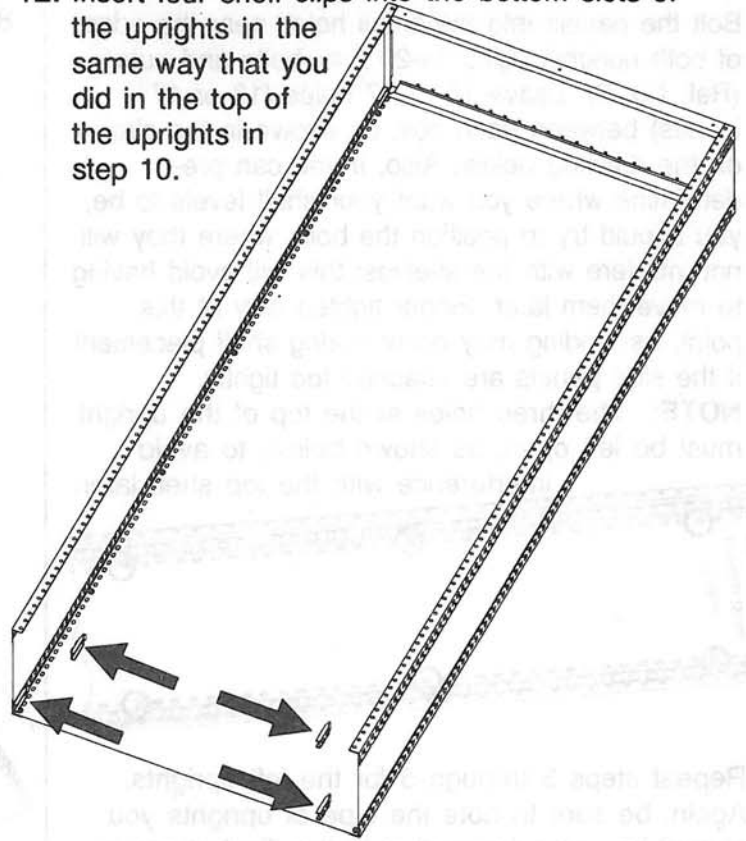
9. Have an associate help you by holding the first upright up as you attach the other upright in the same way as the first.



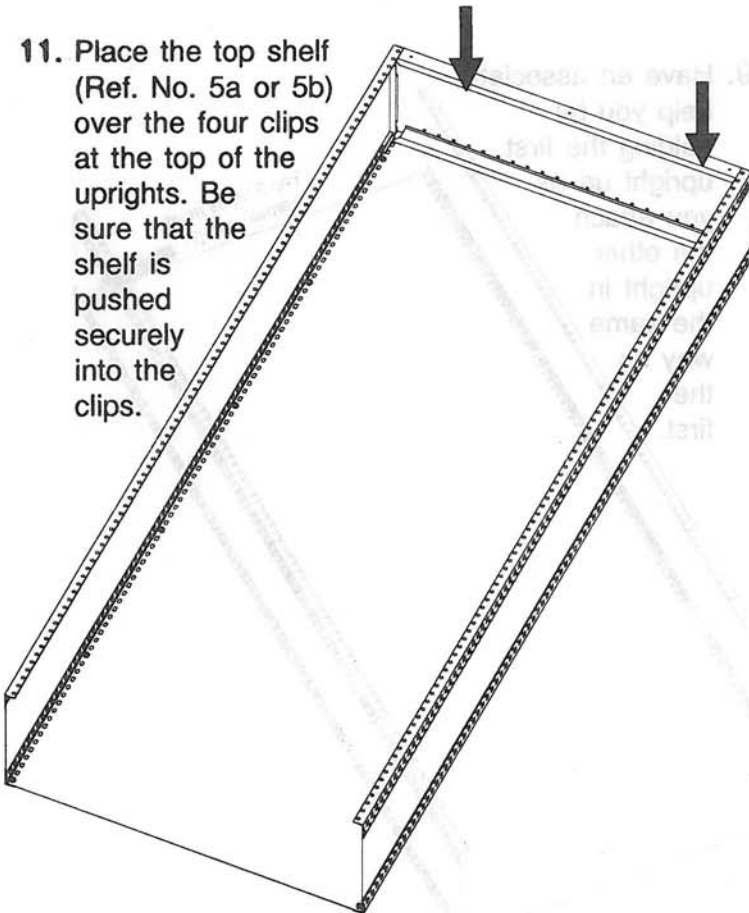
10. With an associate still holding the two uprights, insert four shelf clips (Ref. No. 4) into the top two slots of each side of each upright.



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.

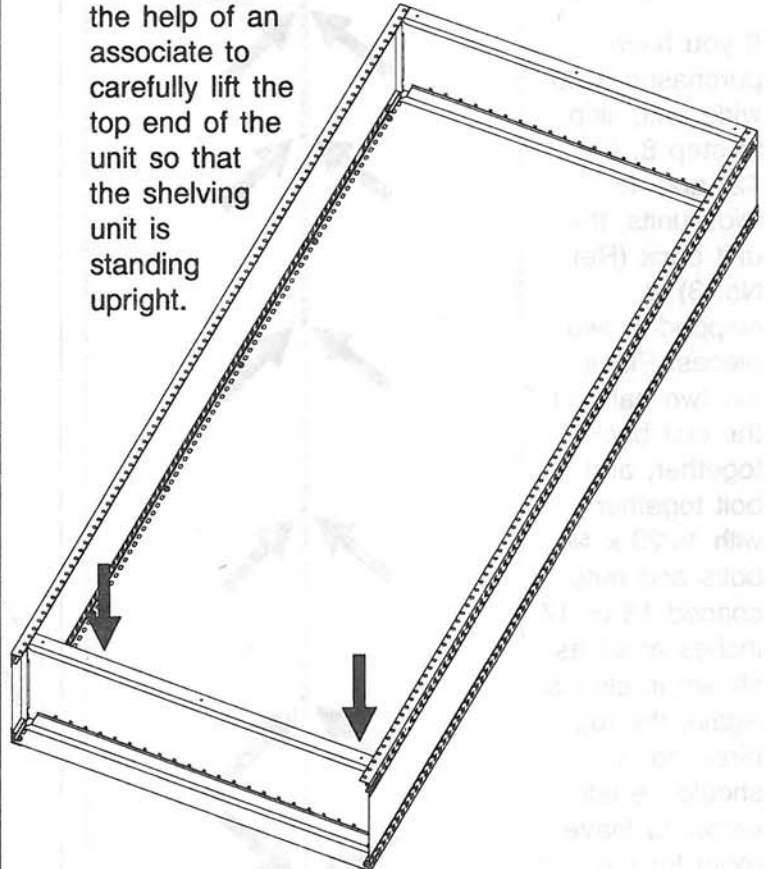


11. Place the top shelf (Ref. No. 5a or 5b) over the four clips at the top of the uprights. Be sure that the shelf is pushed securely into the clips.



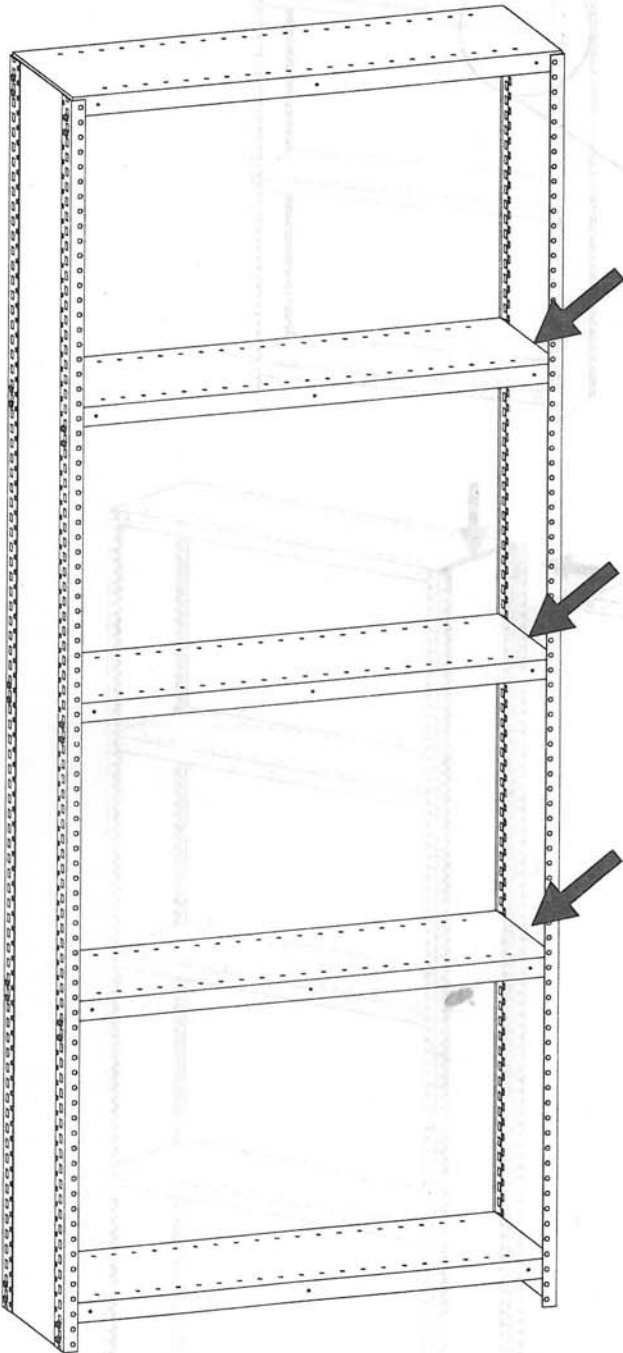
13. As you did in step 11, place a shelf securely onto the bottom four clips.

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.



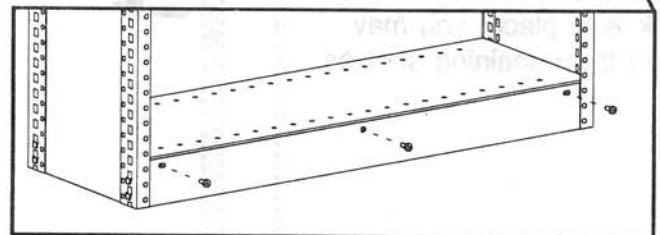
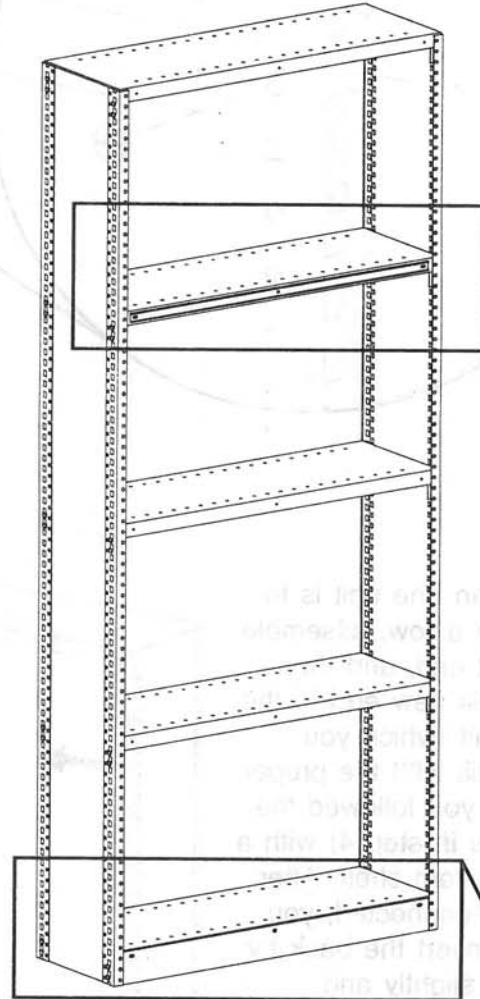
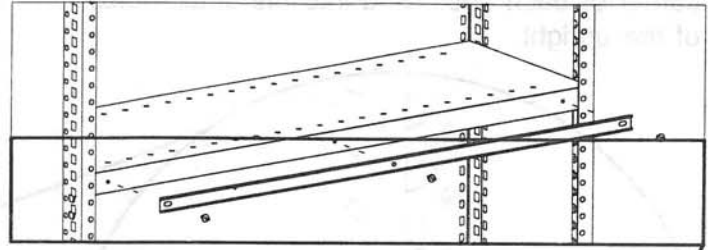
14. Position the remaining shelf clips according to your desired shelf heights, and place the shelves over the clips. Keep in mind, while placing the clips, that the post hole pattern of two round holes and then one square hole, repeated every 3", can greatly help in positioning the clips at the same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



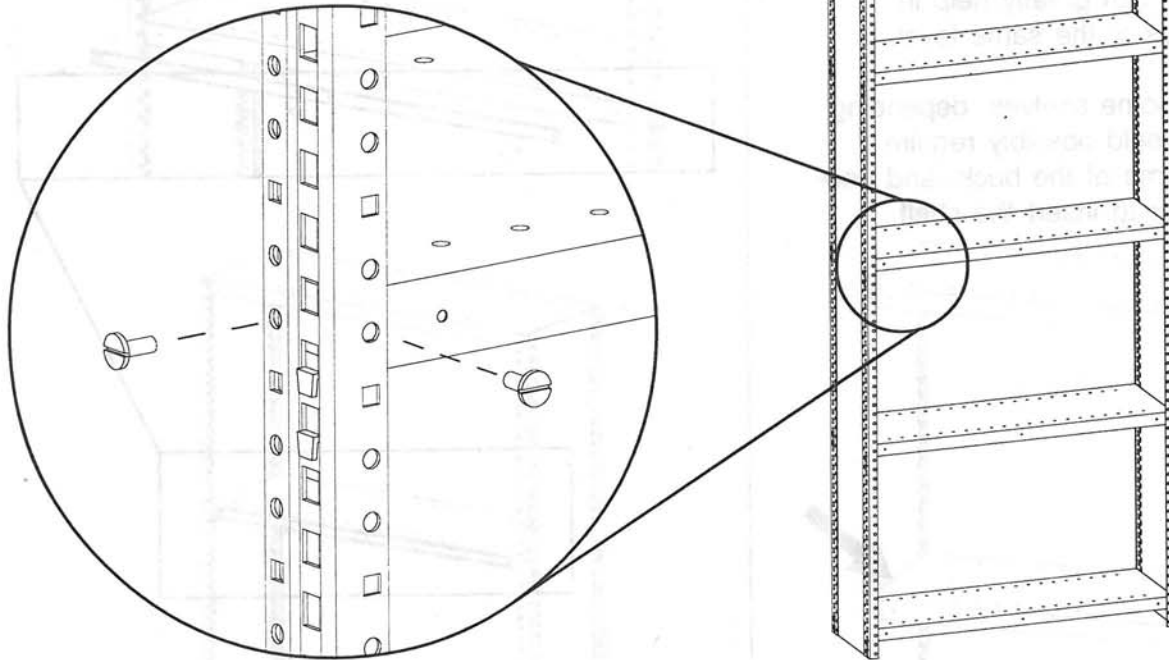
15. Tighten up all bolts and nuts on the side panels.

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.

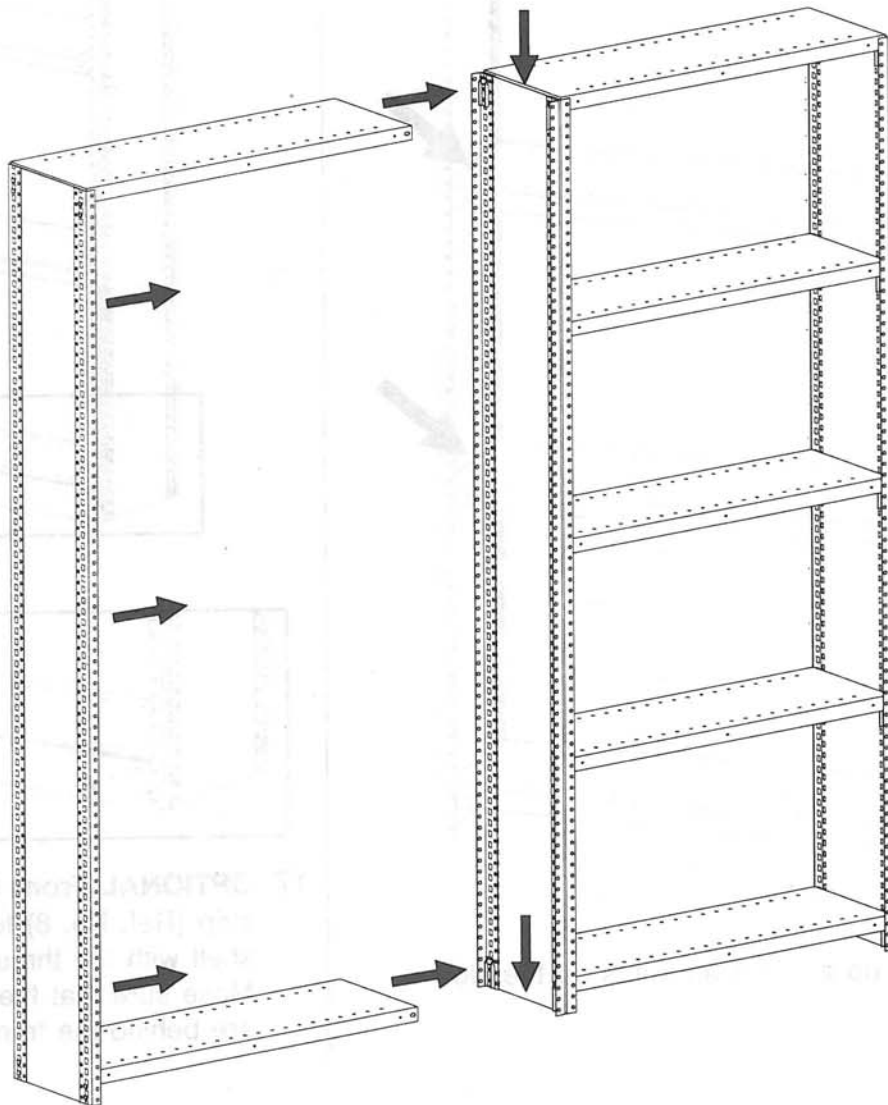


17. **OPTIONAL Front Base Strip:** Bolt front base strip (Ref. No. 8) to the outside of the bottom shelf with the three self-tapping screws provided. Make sure that the ends of the front base strip are behind the front flanges of the uprights.

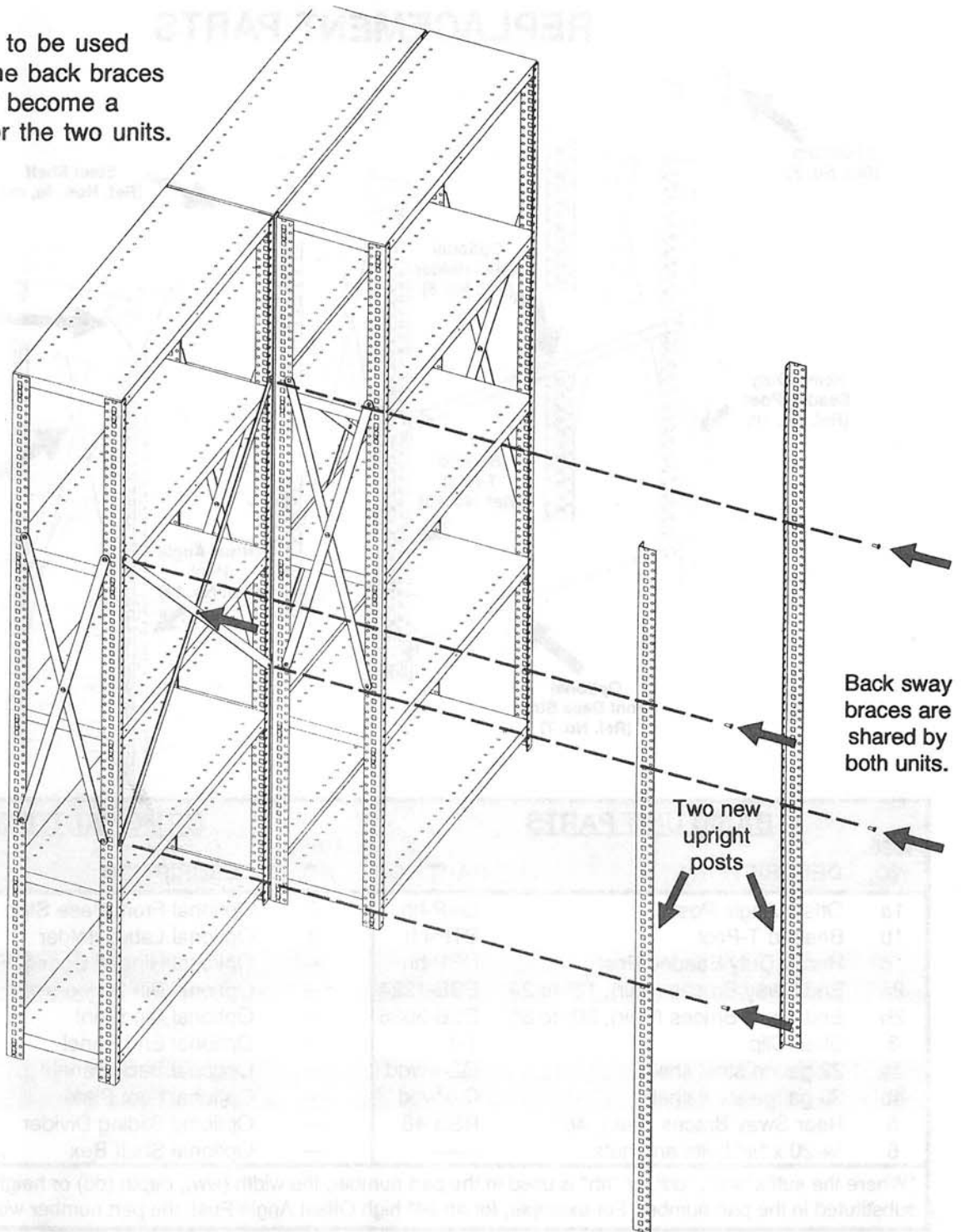
18. For added strength, place two $\frac{1}{4}$ -20 x $\frac{5}{8}$ " bolts and nuts (available locally) through each corner of each shelf, and into the small holes of the upright.



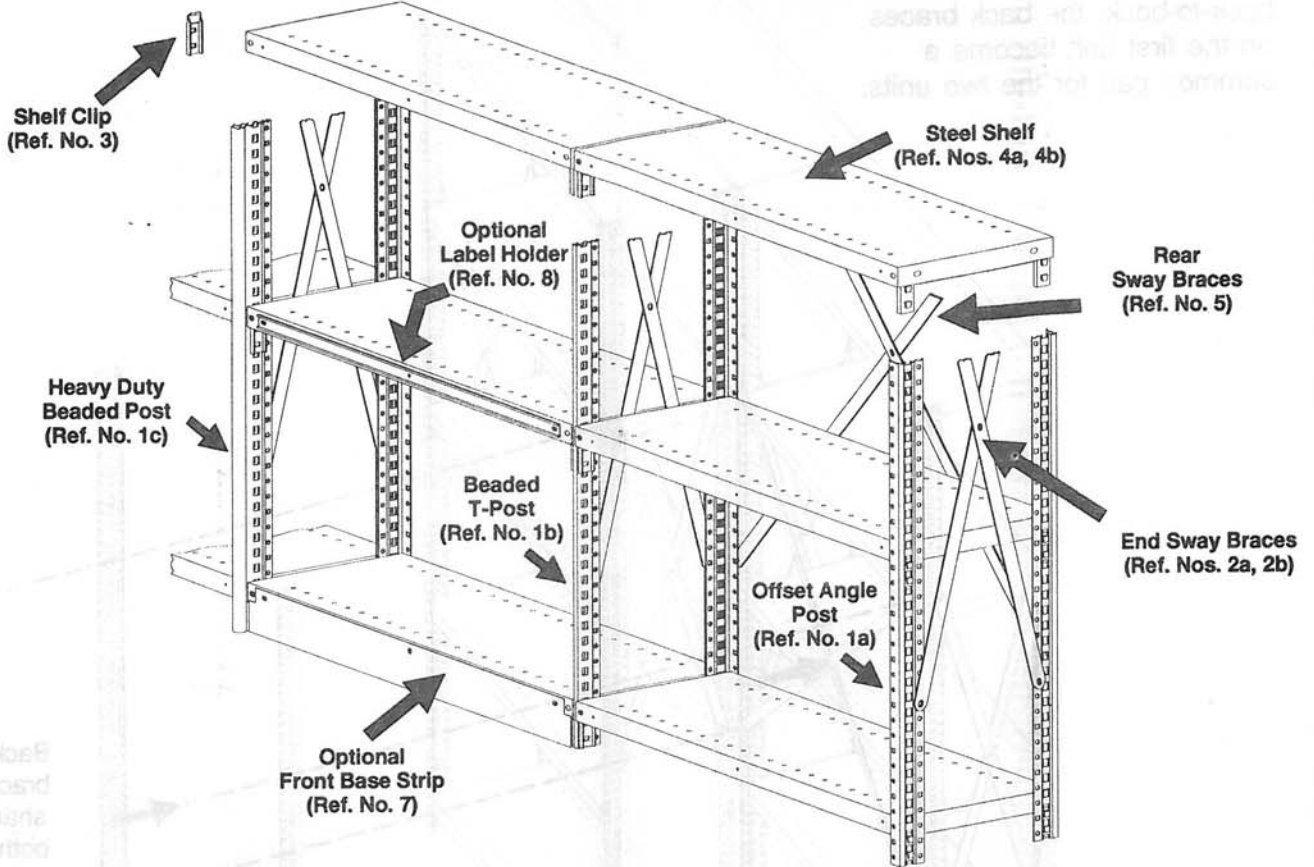
19. If more than one unit is to be used in a row, assemble a new unit end, and then connect this new end to the existing unit (which you already built with the proper uprights if you followed the instructions in step 4) with a top and bottom shelf. After the end is connected, you can then insert the 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.



19. If two units are to be used back-to-back, the back braces on the first unit become a common pair for the two units.



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
2a	End Sway Braces (Pair), 12" to 24"	ESB-1224	—	Optional Bin Dividers	BD-ddhh
2b	End Sway Braces (Pair), 30" to 36"	ESB-3036	—	Optional Bin Front	BF-wwh
3	Shelf Clip	T-1	—	Optional End Panel	EP-ddhh
4a	22 gauge steel shelf	Q2-wwdd	—	Optional Back Panel	BP-wwhh
4b	20 gauge steel shelf	Q-wwdd	—	Optional Foot Plate	FP-1
5	Rear Sway Braces (Pair), 48"	RSB-48	—	Optional Sliding Divider	SD-ddhh
6	1/4-20 x 5/8" bolts and nuts	—	—	Optional Shelf Box	BX-wwdd

*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 84" high Offset Angle Post, the part number would be OAP-84.



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