



Erectomatic[®] Hi-Performance[®] Shelving Assembly Instruction Manual

CAUTION

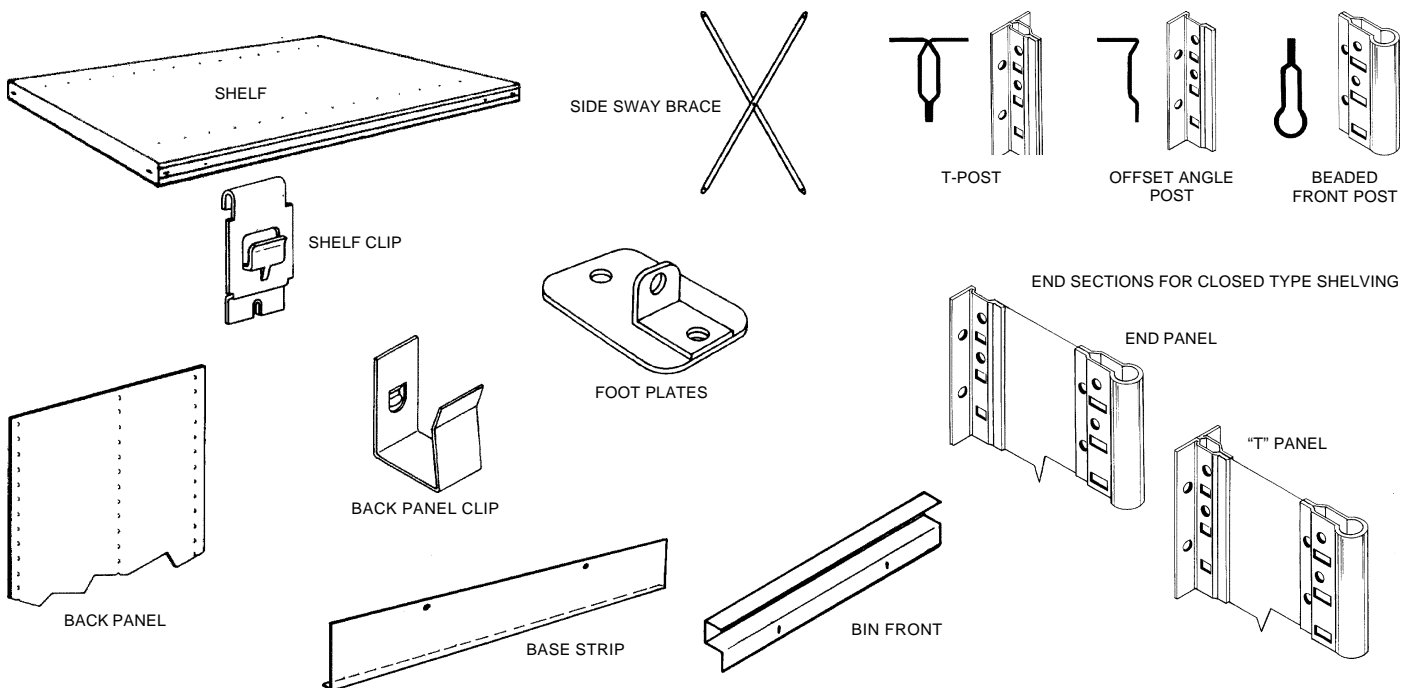
IT IS THE RESPONSIBILITY OF THE PERSONS ASSEMBLING THE SHELVING TO PROPERLY INSTALL ALL COMPONENTS AND HARDWARE AS SPECIFIED IN THESE INSTRUCTIONS AND ANY ACCOMPANYING DRAWINGS FOR SPECIFIC INSTALLATION.

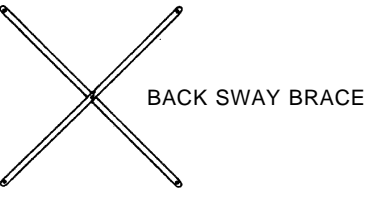
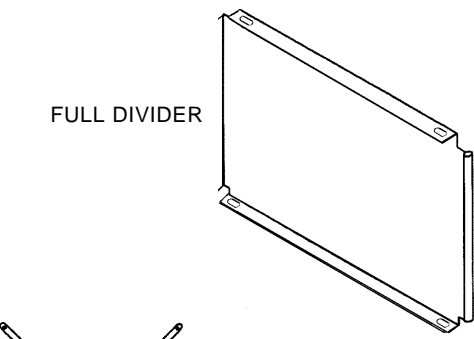
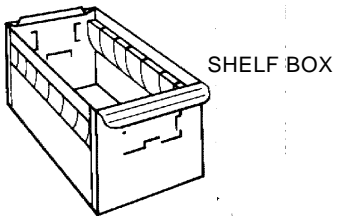
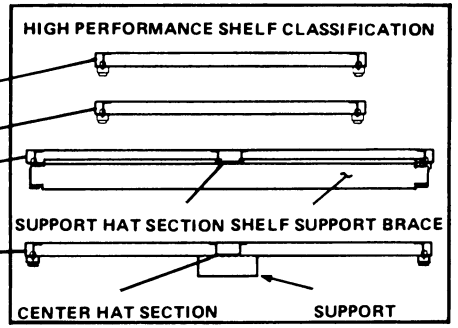
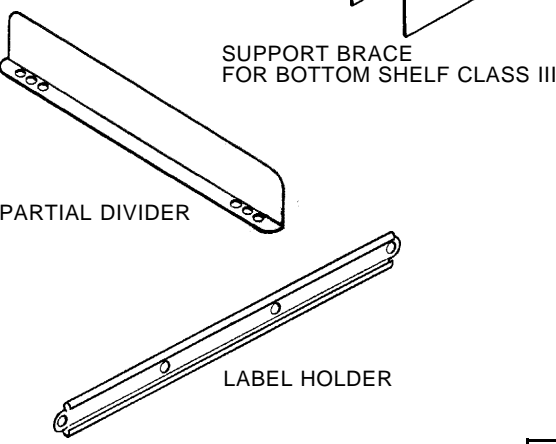
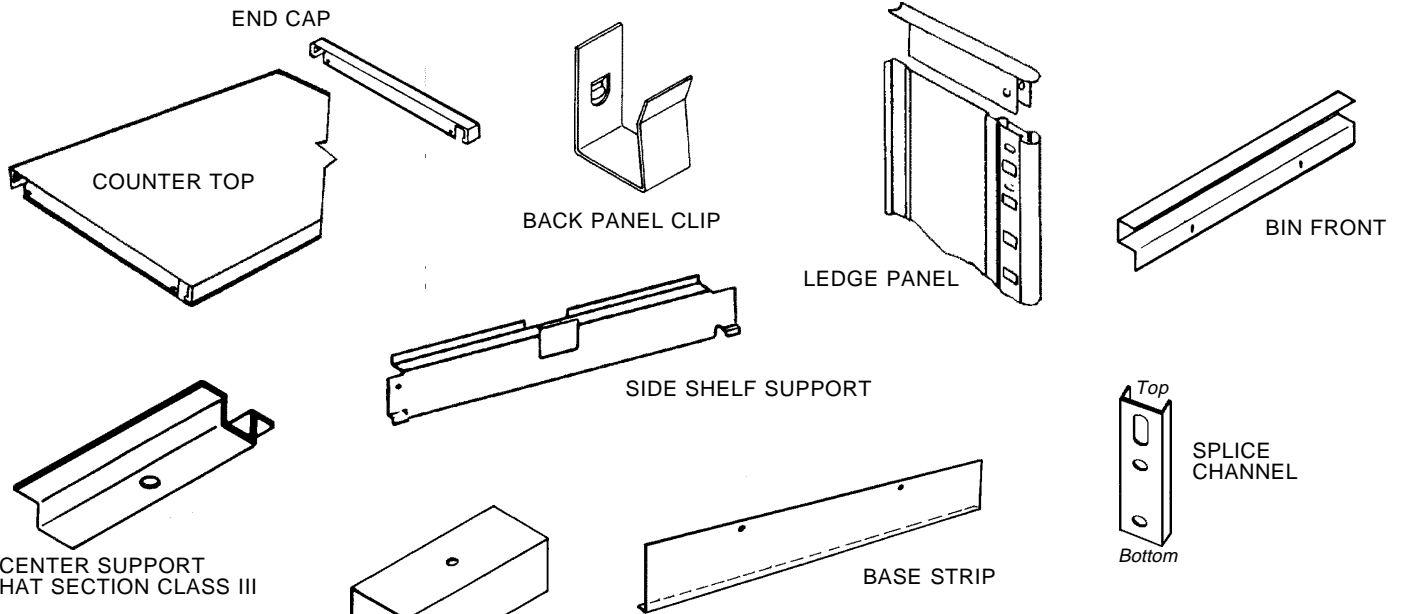
- INSTALL ALL REQUIRED SIDE AND BACK SWAY BRACES
- INSTALL FOOT PLATES AND SHIMS IF REQUIRED
- INSTALL ALL UNITS PLUMB
- TIGHTEN ALL HARDWARE SECURELY

GENERAL INSTRUCTIONS

1. These instructions are for the man who will actually supervise the assembly of the equipment covered by your order. See that he gets them.
2. Check material received against the packing list. First check the number of packages received and then check the contents of each package.
3. Check material received for damage. If any of it is damaged, secure a "damage notation" from the carrier.

4. Identify each part as it is unpacked and pile like parts together and as close as possible to the working area in which they are to be assembled.
5. Lay out on the floor the space that each rack of shelving is to occupy and build each rack in its proper location.
6. Be careful to use the correct hardware as specified in the assembly instruction.
7. Make sure units are plumb before tightening sway braces and or back panel bolts.





ERECTOMATIC HI-PERFORMANCE SHELVING HARDWARE SCHEDULE

ITEM	NUTS & BOLTS	BACK PANEL CLIPS	PLASTIC BUTTONS
Back Panels 3' 3"	6	2	
Back Panels 6' 3"	10	3	
Back Panels 7' 3"	12	4	
Back Panels 8' 3"	14	4	
Ledge Panels	3		
Counter Tops	2		
End Cap	4		
Bin Fronts	2		
Base Strips	2		
Dividers Full (up to 20" high)			2-3/4
Dividers Full (over 20" high)	2-3/4		4
Partial Divider			2
Label Holder			4
Back Sway Braces	5		
Side Sway Braces	5		

CLOSED TYPE SHELVING

Individual Units - 3' 3" to 10' 3" Heights

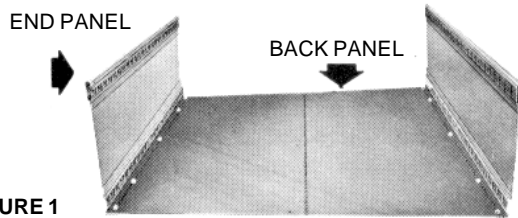


FIGURE 1

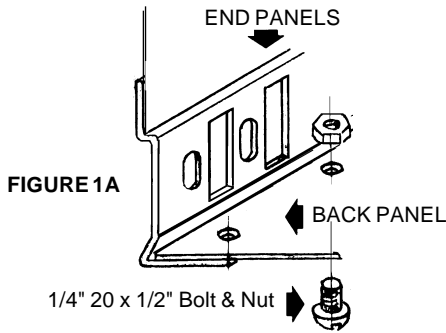


FIGURE 1A

1/4" 20 x 1/2" Bolt & Nut

STEP 1. END PANELS TO BACK PANEL

Use two end panels. Start with assembly in horizontal position, back panel flat on floor, bench or trestles. Slide inside of back posts on end panel under back panel and bolt. (Figure 1 & 1A)

NOTE: 36" wide units over 7'-3" and 42" & 48" wide units over 4'-3" require multiple back panels which overlap horizontally.

STEP 2. TOP SHELF

Hook shelf clips into indentation at top of front & rear post, and hook back panel clip through top center hole in back panel. Position top shelf with rear flange on back panel clip and hook end flanges of shelf on shelf clips. Then wedge in lock position.

Starting, Adjoining and Back to Back Units - with One Piece Backs

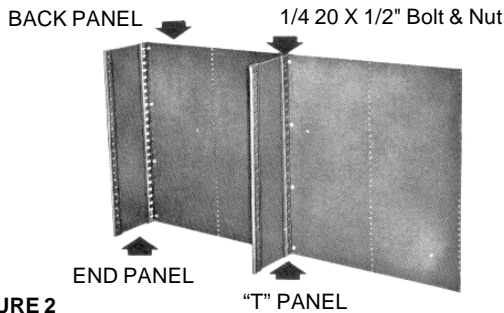


FIGURE 2

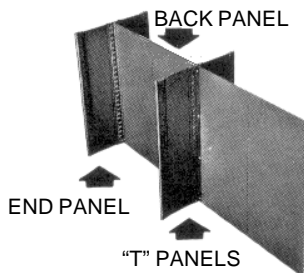


FIGURE 3

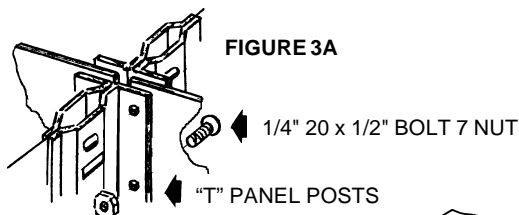


FIGURE 3A

"T" PANEL POSTS

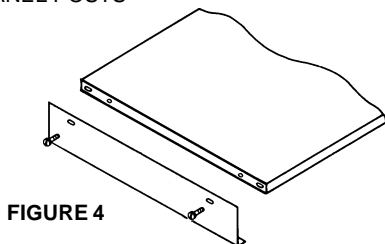


FIGURE 4

STEP 1. END PANELS TO BACK PANEL

STARTING & ADJOINING UNITS

Use one end panel and one "T" panel for starting unit. Start with assembly in an upright position, with back panel inside rear flange of end panel and bolt (Figure 2).

Add "T" panels and back panels until sides and backs are completely assembled.

BACK TO BACK UNITS

Use two end panels and two "T" panels for starting unit. Use four end panels for individual back to back. Start with end panels in an upright position, back to back. Slide back panel between back post of end panels and bolt (Figure 3 & 3A).

STEP 3. ACCESSORIES

Insert Class III shelf support (if required) in shelves. Add bin fronts, and partial dividers. (Label holders and reinforcing channels are not necessary for the top shelf.) Plastic Buttons are normally furnished for fastening partial and full height dividers (see shelving accessories).

STEP 4. BOTTOM SHELF (ALL UNITS)

Bolt base strip to bottom shelf. (Figure 4). Hook shelf clips into lowest rectangular slots at bottom of post. Hook back panel clip in third hole from bottom of back panel on single faced units (not required on back to back units).

Position bottom shelf over back panel slip with end flanges hooked on shelf clips and wedge down.

CLOSED TYPE SHELVING

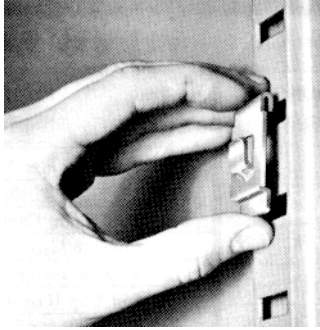


FIGURE 6A

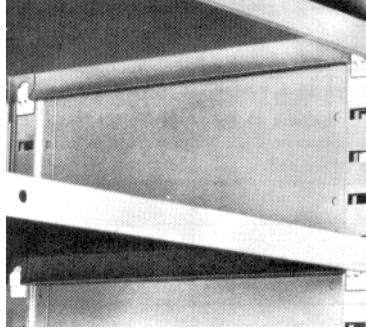


FIGURE 6B

STEP 5. ADDING REMAINING SHELVES

Hook shelf clips to panels (Figure 6A), position shelves with end flanges hooked on shelf clips and wedge shelves down in locked position as shown (Figure 6B). Back panel clips should be used to secure back panel to shelves, except on back to back shelving.

Counter Units

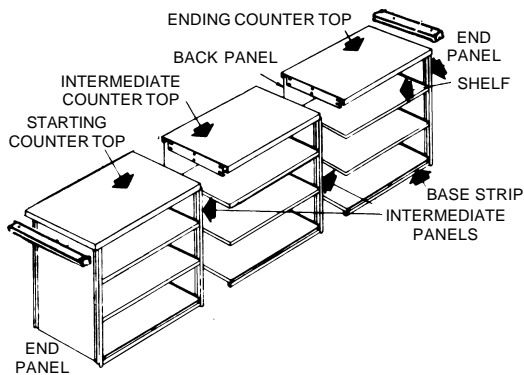


FIGURE 7

A. END PANELS TO COUNTER FRONT

Bolt end panels and "T" panels to counter fronts as described in Step 1 for individual, starting or adjoining units. Counter units are 3'3" height only. Assemble individual unit in an upright position (Figure 7)

B. COUNTER TOP AND BOTTOM SHELF

Attach bottom shelf as described in Step 4. Place counter top on unit with end channels inside end or "T" panels and bolt, front and back, through first hole from top of post. On ending and starting units, bolt end caps with tops through end panels using common bolt.

C. INTERMEDIATE SHELF

Add shelves in same manner as described in Step 5.

Starting , Adjoining and Back to Back Units - with Multiple Backs

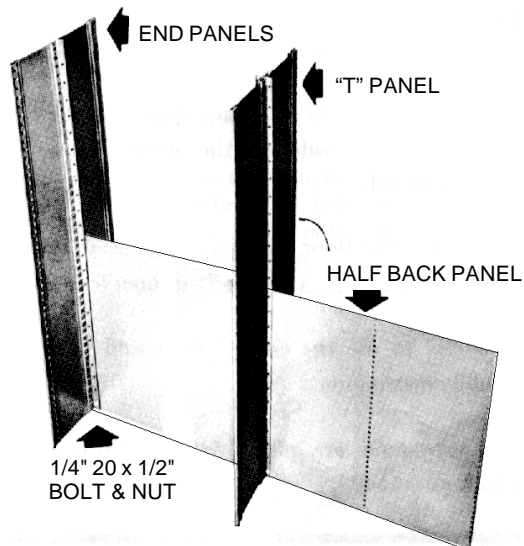


FIGURE 8

STARTING AND ADJOINING UNITS WITH MULTIPLE BACKS

Use one end panel and one "T" panel for starting unit. Position lower back panel inside back post of end panel and bolt.

BACK TO BACK UNITS -- WITH MULTIPLE BACKS

Use two end panels in an upright position, back to back. Slide lower back panel between rear flanges of end panels and bolt (Figure 8).

Leave top holes of lower back panel unbolted, add "T" panels and lower back panels until sides and backs are completely assembled.

- Add bottom shelves (as in Step 4) and shelf near center of unit .
- Add top half of back panels to rack, in same manner as lower half, and bolt.
- Add top shelves to rack as in Step 2.
- Add necessary intermediate shelves as in Step 5.

CLOSED TYPE SHELVING

Ledge Shelving - Starting, Adjoining and Back to Back - with One Piece Backs

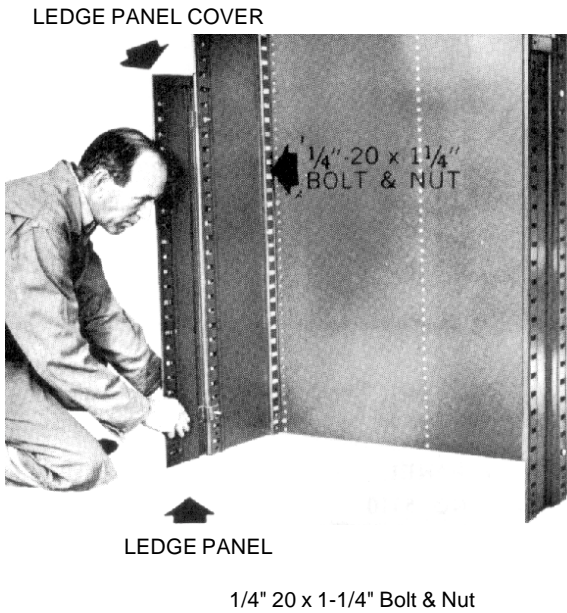


FIGURE 9

Start with individual unit or rack assembled as in Steps 1 and 2 for the particular type Ledge unit desire. (Individual, starting and adjoining or back to back).

a. Ledge Panels
Place top covers on ledge panels. Position ledge panels against beaded posts with mounting brackets to the inside of posts and bolt thru proper slots in beaded post (Figure 9).

b. Ledge Shelf and Bottom Shelf
Hook shelf clips in bottom ledge panels in same location as Step 4 and also in rear post. Place shelf on clips and wedge down.

Hook shelf clip in rear post so that ledge shelf is aligned with top of ledge panel. Bolt shelf to ledge panel using 1/4-20 x 1-1/4 bolt and nut, through top oval slot in post. Figure 10.

c. Intermediate shelves
Add shelves above and below the ledge as described in Step 5, placing shelf clips in ledge panel and rear post only. Assemble accessories to shelves as in Step 3. It's now a simple matter to add shelves above and below the ledge as described in Step 5 (Figure 10).

Ledge Shelving with Multiple Backs

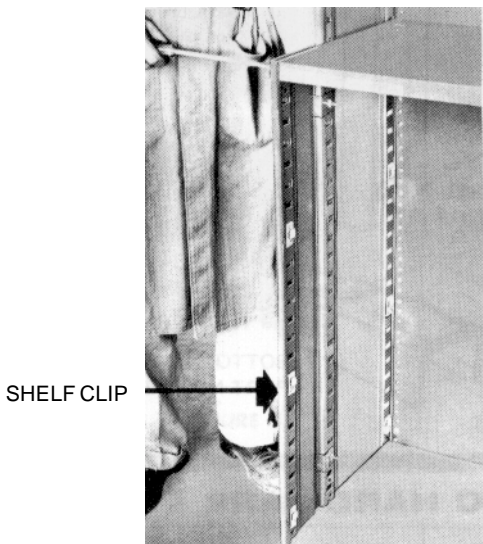


FIGURE 10

d. End Panels to Lower Back
Assemble panels to lower back panel as in Step 1 for the particular type ledge unit rack to be assembled.

e. Ledge Panels
Assemble ledge panels to rack as described in (a) above.

f. Ledge Shelf and Bottom Shelf
Add ledge shelf, and bottom shelf to racks of units as described in (b).

g. Top Shelf and Back Panel
Add top back panels to rack, in same manner as lower back panel and bolt. Now add top shelf to rack in same manner as described in Step 2.

h. Intermediate Shelves
It is now a simple matter to add shelves above and below ledge as in (c) above.
FRONT POST
1/4-20 x 1/2 PAN HD
BOLTS HEX NUTS & LOCKWASHERS (5)

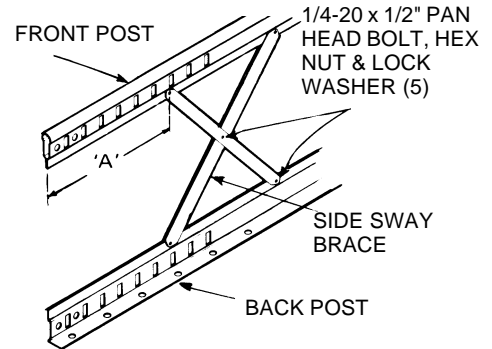
OPEN TYPE SHELVING

Side Sway Brace

Fasten side sway braces to front and back posts of the open section, maintaining dimension "A" according to the length of the post.

Sway braces should be placed 6" to 9" above the floor ("A" Dimension)
NOTE: For units 8'-3" and 10'-3", 2 pair of braces are required. The first braces "A" Dimension should be 6" to 9", the second brace should be centered in the remaining distance from the top of the first brace to the top of the post.

NOTE: If finished end panels are to be used, be sure to lace side sway braces on inside of post with bolt head on outside of post.



INDIVIDUAL UNIT

Use two beaded posts for front and two back posts.

STARTING UNIT

Use two beaded posts for front, one back post, and one rear "T" post.

BACK TO BACK

For individual back to back units use four post assemblies with back posts. For starting back to back units use two post assemblies with back post and two with rear "T" posts.

NOTE: In Seismic conditions, please consult the factory for information about proper brace placement.

Top and Bottom Shelf

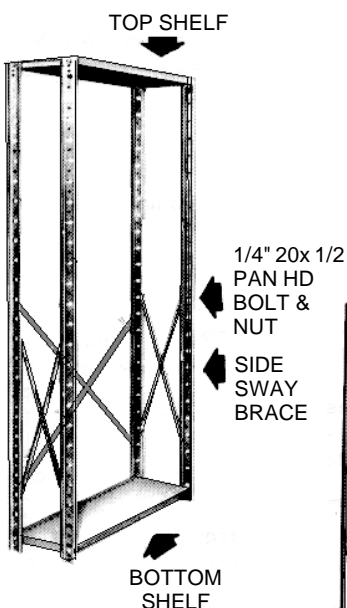


FIGURE 13

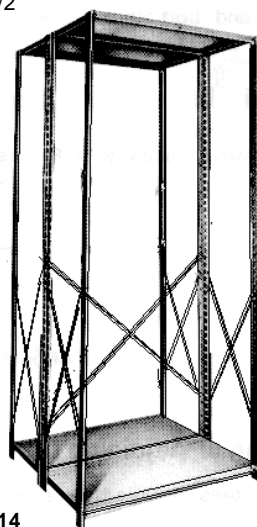


FIGURE 14

ERECTOMATIC SHELVING

Place shelf clips into second rectangular slot from bottom of posts, and into the indentation at top. Now add the top and bottom shelves to post and sway brace assemblies.

LOCATING BACK SWAY BRACES

Back sway braces are the cross strap type. They must be bolted to the back posts at 4 points and where they cross in the center. Use 5 1/4" 20 x 1/2" pan hd. bolts and nuts per pair of braces.

See above side sway braces for vertical location.

INDIVIDUAL UNITS

Starting and/or inserting shelves at top and bottom as per step 5. Stand in upright position and add back sway braces as shown in Figure 13.

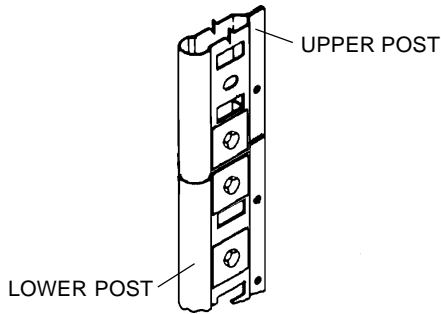
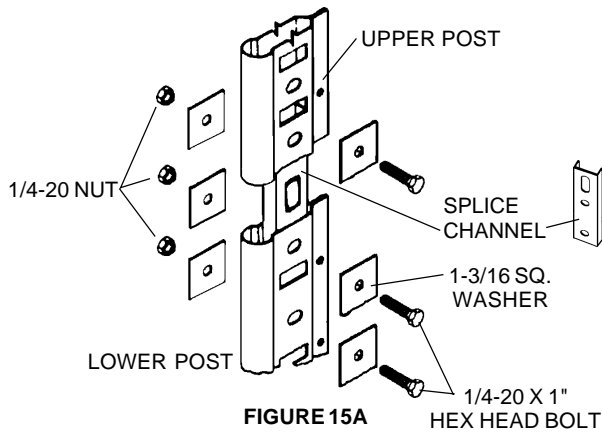
BACK TO BACK UNITS

Assemble units as described above. Stand starting sections in an upright position. Place units back to back. Insert back sway braces between rear posts as shown in Figure 15 and bolt through posts, connecting units together as shown in Figure 14.

NOTE: For 8' 3 & 10' 3 high units, use 2 sets of sway braces. For seismic conditions, please consult the factory about proper brace placement.

OPEN TYPE SHELVING

Adding Adjoining Units



Hook shelf clips into second rectangular slot from the bottom of the starting unit and into indentation at the top of the post assembly. Preassemble a beaded post-rear "T" post combination (two required for an adjoining back to back unit) with shelf clips. Add top and bottom shelves, using them to hold new post combination in place while the sway braces are secured to the back posts. Add intermediate shelves as required per step 5.

Post Splice Channel

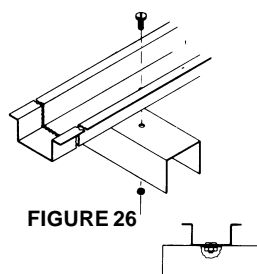
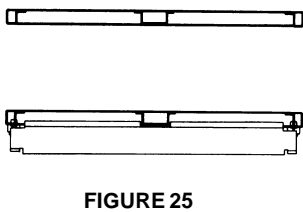
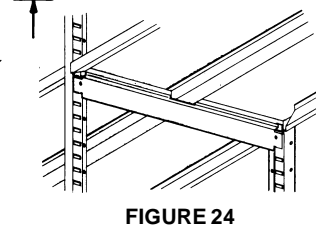
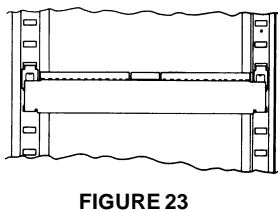
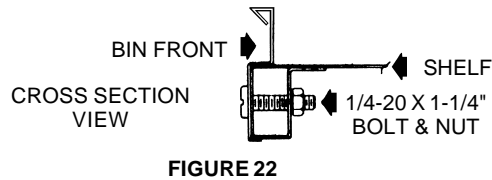
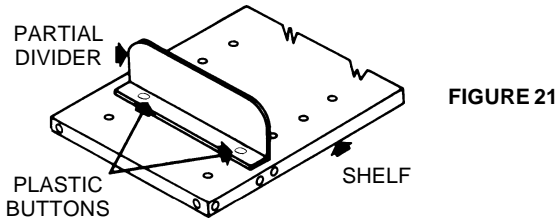
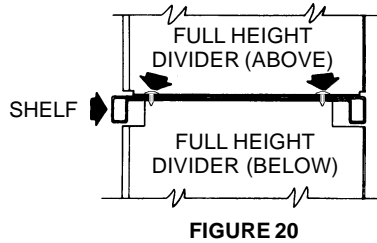
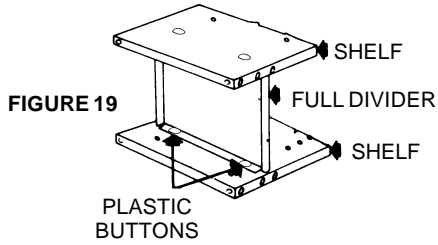
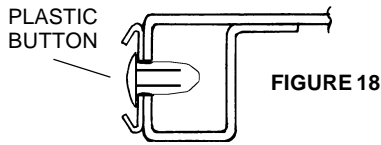
Beaded Front Post and Tee Post –

1. Insert channel in lower front beaded post, (or rear tee or angle) and bolt with 1/4-20 bolts & nuts, through oval slots in end of post. Figure 15A. The oval hole in the Splice Channel is always on top. The two round holes in the splice are always in the lower post.
2. Place upper post over extended splice channel and bolt through oval slots as in step 1. above. Figure 15A. Once completed the post should look like Figure 15B.

Back Post –

1. Place splice channel on inside of post and bolt as above. Square Washers are not required when using back angle post.

SHELVING ACCESSORIES



1. Label Holders - Label holders are attached to front flange of shelf with plastic buttons. Place label holder against front flange of shelf and push plastic buttons thru holes in shelves (Figure 18).

2. Full Dividers - Any shelf opening may be divided into two or more bins by the installation of full dividers. To install dividers, place them in position between the shelves where required and align slots in the flanges of the dividers with holes in shelves. Attach dividers to shelves with plastic buttons (Figure 19). Note: Dividers over 20" high are furnished with nuts & bolts.

Where dividers are above and below a shelf and in alignment, use common buttons to attach the two dividers, as in Figure 20.

Dividers may also be bolted to shelves by customer but only buttons are furnished as hardware.

3. Partial Dividers - Partial dividers are attached to shelves where required as illustrated, with buttons (Figure 21).

Partial dividers may also be bolted in shelves, but only buttons are furnished as hardware.

4. Sliding Divider - Can be positioned any where along the shelf surface to sub-divide the storage surface.

5. Offset Bin Front - Bin fronts are attached to front flange of shelf with 1/4"-20 x 1-1/4" pan hd. bolts and nuts.

Place bin front against front flange of shelf as shown and bolt thru holes in bin front and shelf (Figure 22).

6. Class 3 Shelf Support - A Class 3 shelf support is used for class 3 shelf classification. Position support into second rectangular slots directly below required shelf position as shown in Figure 23.

Insert top of shelf clip into second rectangular slot above Class 3 shelf support. Now place shelf with reinforcing Hat section positioned in the center of shelf, into clips and wedge shelf down in locked position.

7. Class III Shelf Support Brace - Insert shelf clips in post at desired location, then insert Class Three Shelf Supports in slot below shelf clip in front and rear posts as shown in Figure 24. Insert hat shaped Class II Center Support with flange up against underside of shield and under return flange on side of shield. Align with center of shelf and place on shelf clips. Be sure center tab on H136 Shelf Support Brace is on outside of shelf and reinforcement is lined up with notch in support brace, then wedge shelf into clips Figure 25.

8. Bottom Shelf Class III - Bolt Class III Center Support Hat Section to bottom shelf support brace as shown in Figure 26. Insert this assembly into shelf as described above. Place in unit on shelf clips and wedge shelf into clips. H136 shelf support brace are not required.