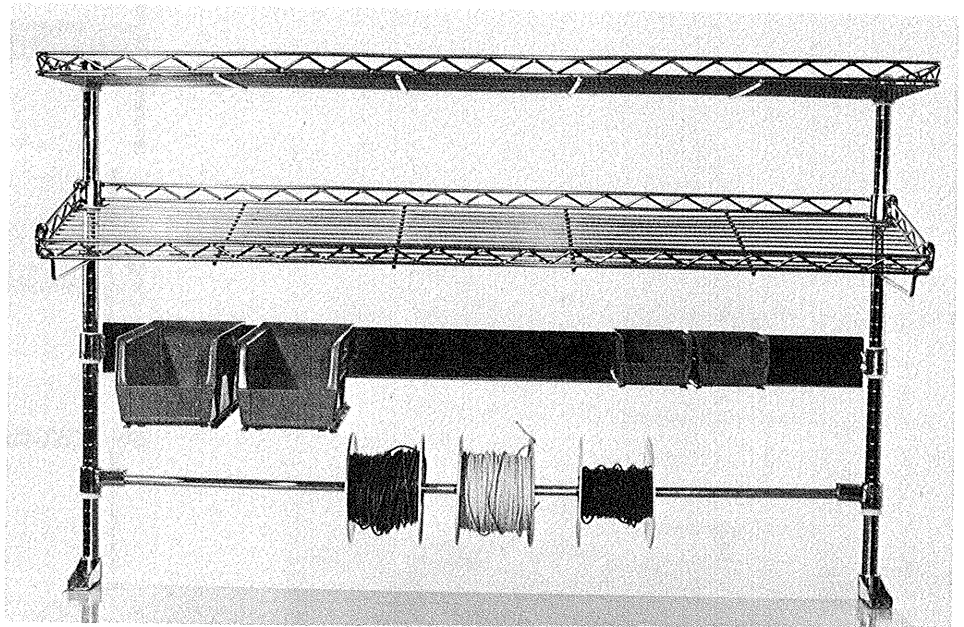
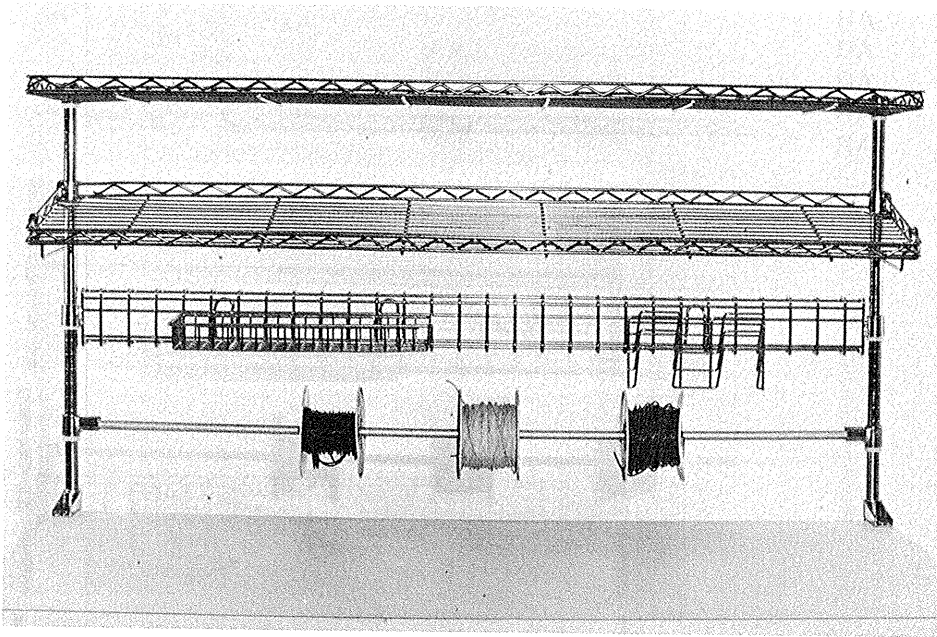




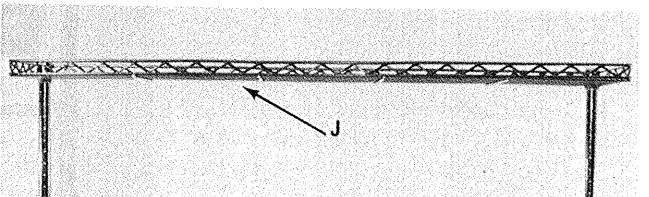
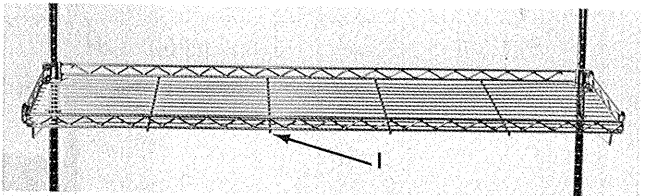
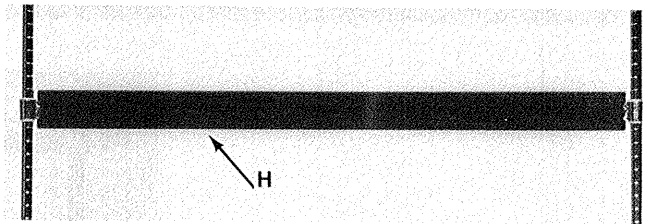
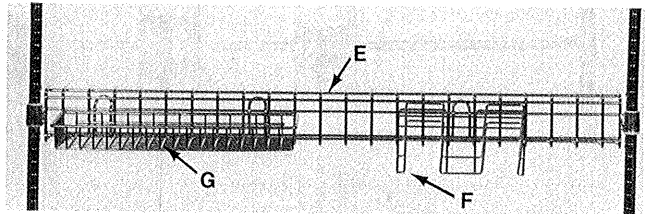
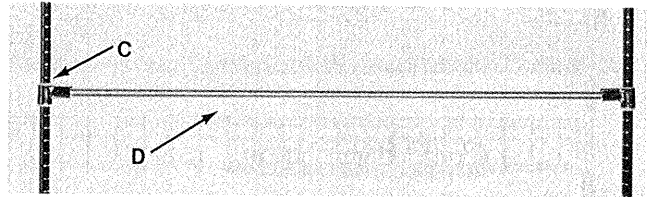
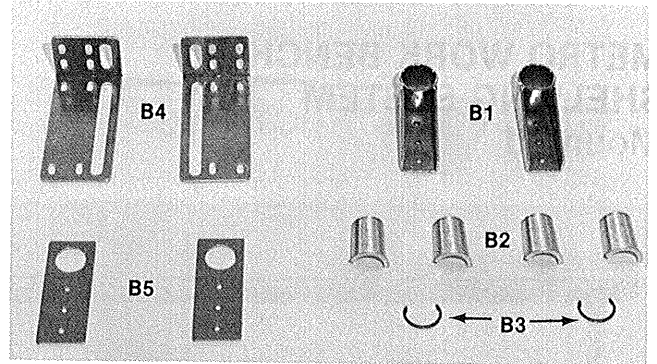
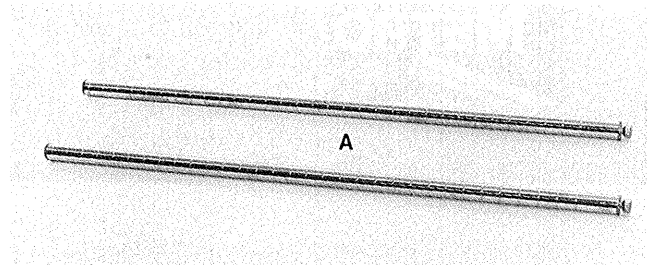
**METRO WORK BENCH
SHELVING SYSTEM**
Mounted



NOTE: The above installations are only illustrative of the types of work bench shelving systems which can be assembled. The system is sold by component parts and the final configuration would depend upon the user's requirements.

List of Components for Assembly of the Metro Work Bench Shelving System

Item	Description	Qty.
A.	Post	2
B.	Mounting Bracket Kit	1
B1.	Mounting Bracket	1 PR
B2.	Split Sleeve — Aluminum	2 PR
B3.	Retaining Ring	2
B4.	Angled Support Bracket	1 PR
B5.	Flat Support Bracket	1 PR
C.	Split Sleeve — Plastic	AR
D.	Reel Holder	AR
E.	Basket Mount	AR
F.	File Shelf	AR
G.	Miscellaneous Wire Shelf	AR
H.	Bin Holder	AR
I.	Slanted Cantilever Shelf	AR
J.	Cantilever Shelf	AR



1. The Mounting Bracket Kit is packaged and sold as a single item and consists of the parts indicated from B1 through B5. Depending on the style of the work bench on which the system is being mounted, the applicable set of support brackets is to be mounted per the following instructions. The remaining pair of support brackets is to be discarded.
2. The quantities of items "C" through "J" are marked "As Required" (AR) because the selection of these components will depend upon the user's requirements.

ASSEMBLY INSTRUCTIONS

Two people are required if a slanted cantilever shelf is being mounted; all other components require only one person to assemble the unit.

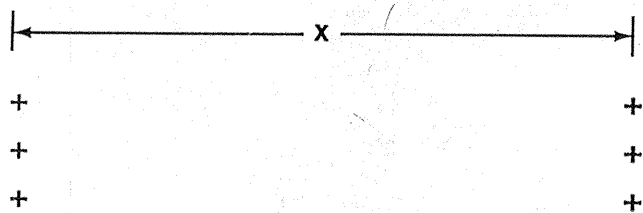
NOTE: Mounting screws or bolts are not supplied with the Metro Work Bench Shelving System due to the varied types of material from which work benches are fabricated. It is the responsibility of the user to make certain that the mounting surface and method of mounting are suitable and sufficient to support the anticipated weight which will be placed on the unit. Three (3) $\frac{3}{16}$ inch diameter clearance holes are provided in both the mounting bracket and the flat support bracket for mounting and the angled support bracket has four (4) $\frac{3}{16}$ inch wide by $\frac{1}{2}$ inch long slotted clearance holes for mounting.

A. 1st mounting method using the angled support brackets.

1. Unpack cartons to confirm amount and identity of the components.

NOTE: Assembly of the mounting brackets and angled support brackets will be simplified if a small drill or nail is used to start the holes in which the screws or bolts are installed.

2. Using the following diagram and dimensions (depending on size of the unit) mount the mounting brackets to the work bench per operations #3 and #4.



UNIT SIZE		DIMENSION "X"
30"		28 13/32
48"		46 13/32
60"		58 13/32

3. Locate and scribe the center lines, parallel to the sides of the work bench, for the mounting brackets using the dimension "X" indicated for the size of the unit being mounted. Position the mounting bracket tightly against the rear of the work bench and centered on the scribed center line. Then using the bracket as a template establish the center points for the mounting screws or bolts.

4. Using the proper mounting screws or bolts mount the mounting bracket to the work bench (Fig. A-A). Repeat this operation for the second mounting bracket.

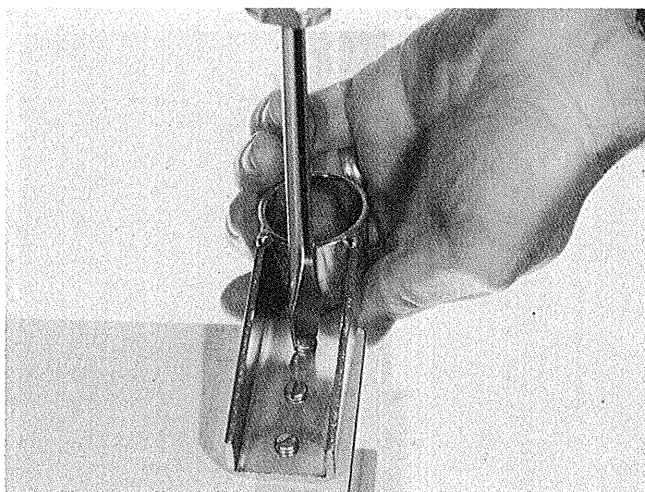


FIG. A-A

5. Remove the bolt from the bottom of the post. Establish the approximate location at which the angle support bracket is to be mounted on the rear of the work bench. Then place a pair of aluminum split sleeves inverted from the standard method of assembly (lip at the top) in the groove which will give the post the necessary extension through the mounting bracket to allow the angle support bracket to be mounted in the desired location (Fig. B-B). Make certain that the bead of the split sleeves fits securely into the groove on the post.



FIG. B-B

6. Insert the post into the sleeve on the mounting bracket (Fig. C-C). Gently tap the post down, using a block of wood and a hammer, until the groove in the aluminum split sleeve is visible at the bottom of the mounting bracket.

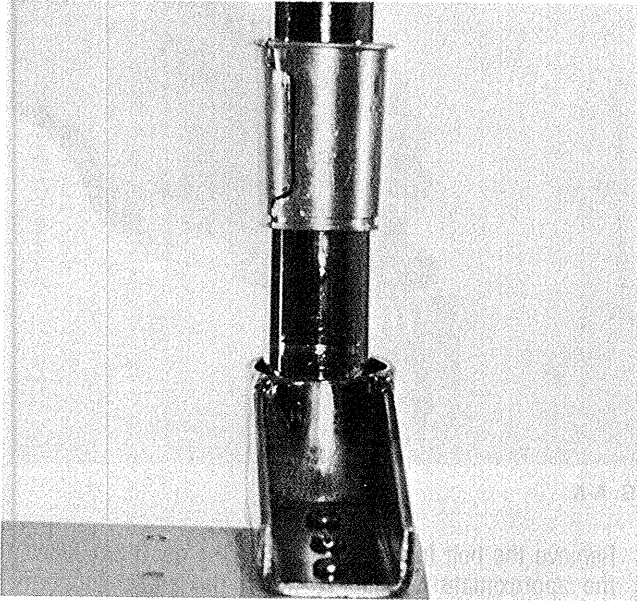


FIG. C-C

7. Check the extension of the post through the mounting bracket to make certain that the angled support bracket can be positioned in the desired location. If not readjust the aluminum split sleeves. If the position is correct, then using a hammer, insert the retaining ring into the groove of the split sleeve to lock the post in position. (Fig. D-D)

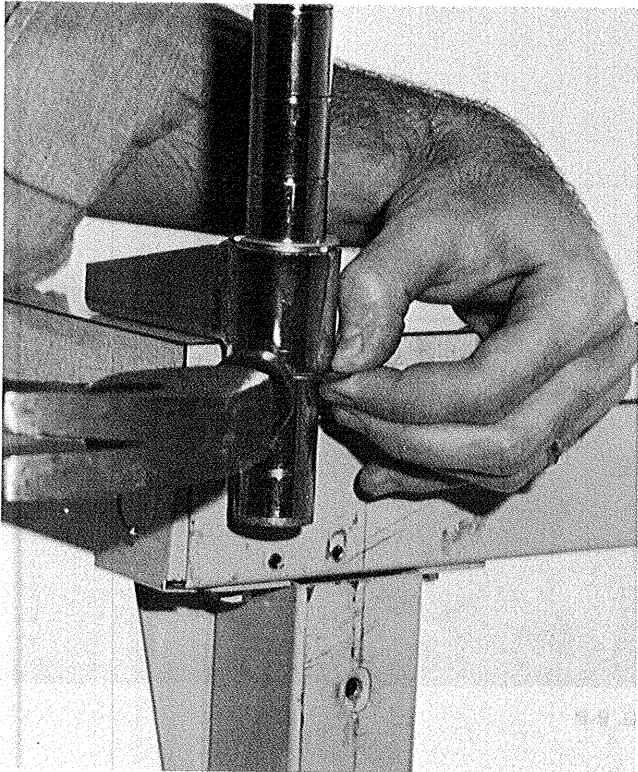


FIG. D-D

8. Place the angle support bracket against the rear of the work bench with the long slot centered on the bottom of the post. Then using the bracket as a template establish the center points for the mounting screws or bolts.

9. Using the proper mounting screws or bolts and flat washers, mount the angle support bracket to the work bench. (Fig. E-E)

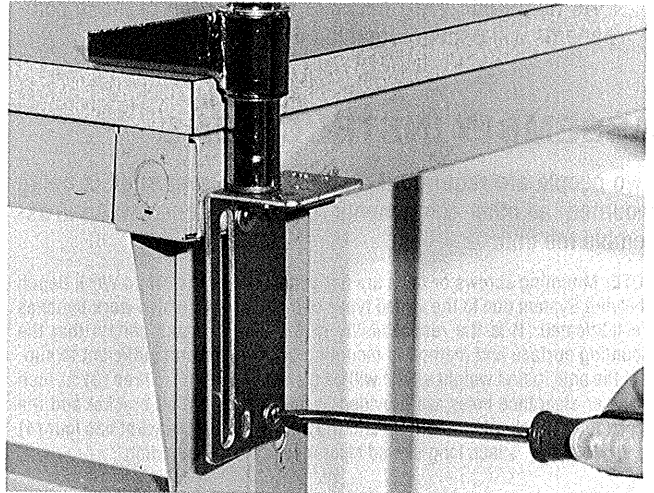


FIG. E-E

10. Using the bolt previously removed from the post, assemble the post to the angle support bracket. (Fig. F-F)

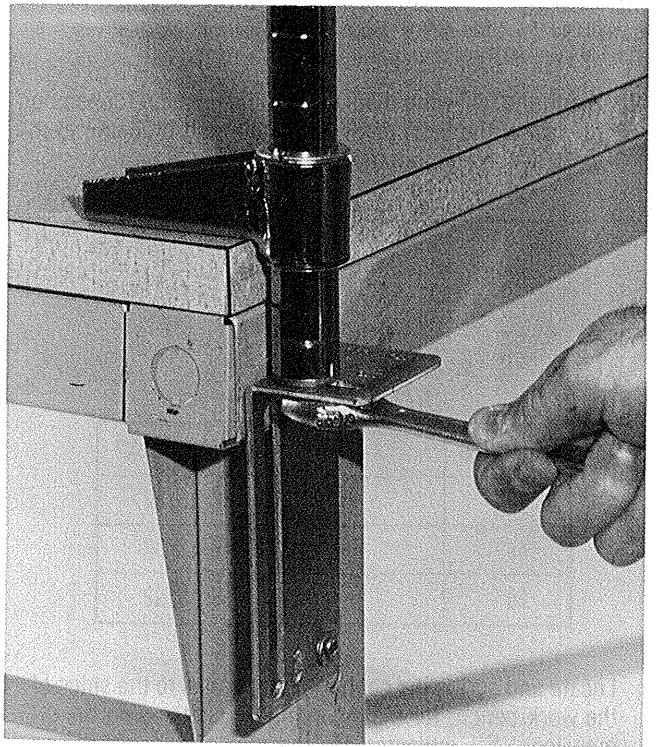


FIG. F-F

11. Repeat operations 5, 6, 7, 8, 9 and 10 for the second post and angle support bracket.
12. To mount the components on the posts, determine the desired spacing from either the work surface (if this is the first component being mounted) or from the previously mounted component and place a pair of split sleeves in the standard manner (lip at the bottom) in the groove of both posts at this location. (Fig. G-G)

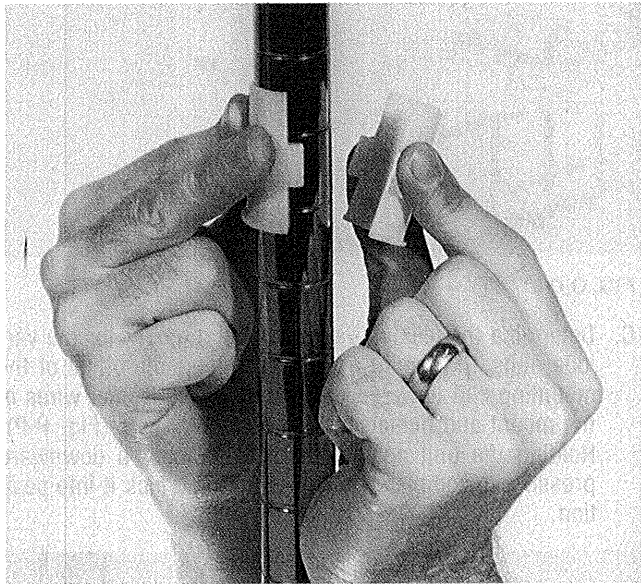


FIG. G-G

13. Use the following methods to assemble each work bench system component on the posts once the plastic split sleeves have been mounted.

Reel Holder

- A. Slide the reel bracket down over the post and onto the split sleeve. Make certain that the socket of the bracket is parallel to the back of the work bench.
- B. Then using a hammer and a block of wood gently tap the reel bracket down until it is completely seated. (Fig. H-H)

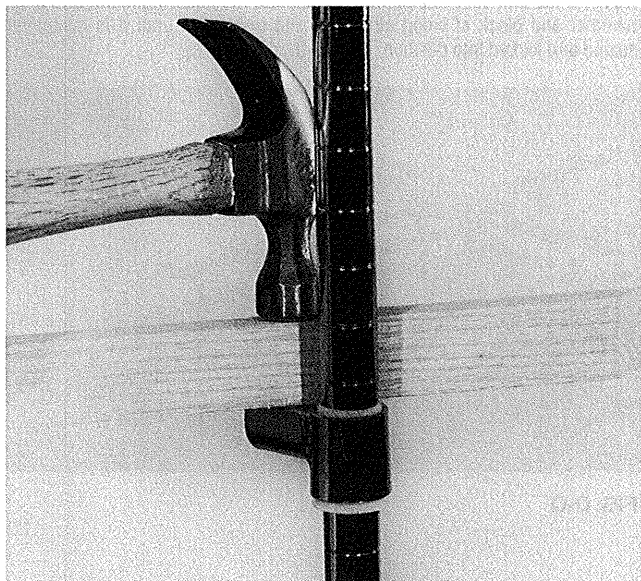


FIG. H-H

- C. Repeat operations A & B for the second reel bracket.
- D. Mount the reel bar by laying it into the reel bracket sockets. (Fig. I-I)



FIG. I-I

- E. Mount the reels on the reel holder by lifting out the bar, sliding on the reels and then replacing the bar in the sockets. (Fig. J-J)

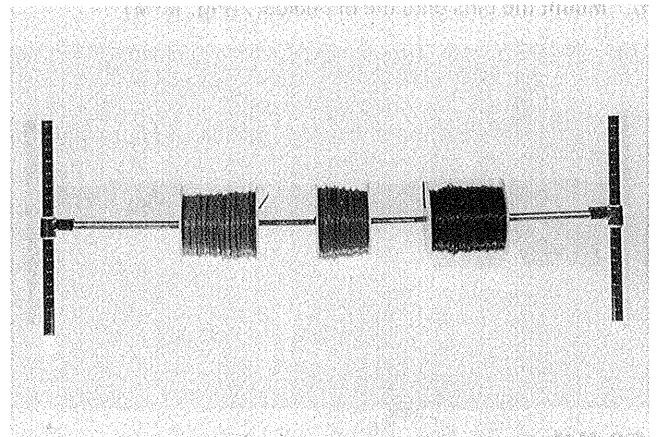


FIG. J-J

Bin Holder

- A. Slide the bin holder down over the posts and onto the split sleeves. (Fig. K-K)

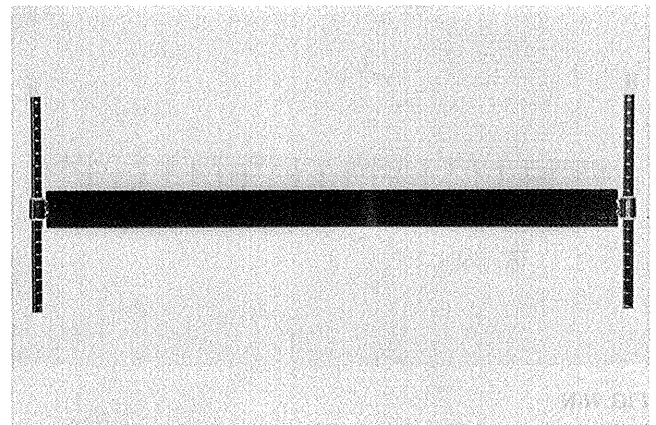


FIG. K-K

- B. Then using a hammer and a block of wood gently tap each end of the holder down until the bin holder is completely seated. (Fig. L-L)

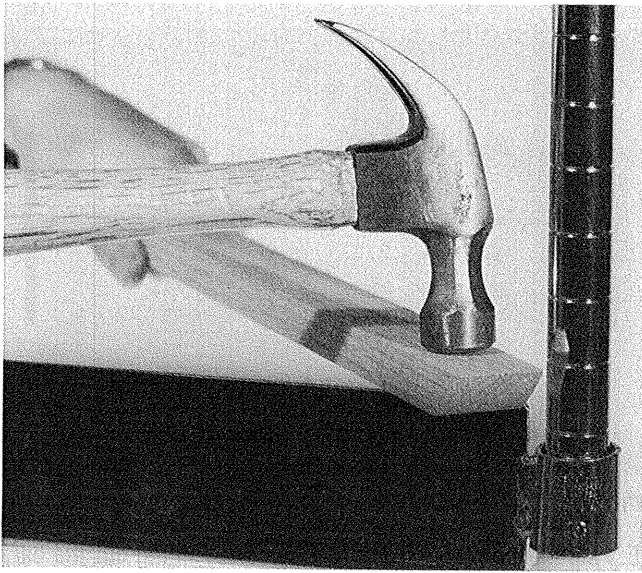


FIG. L-L

- C. Mount the bins onto the bin holder. (Fig. M-M)

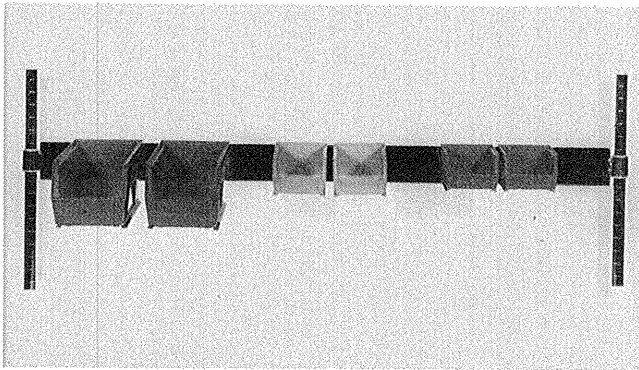


FIG. M-M

Basket Mount

- A. With the open side of the basket mount toward the rear of the work bench, slide the basket mount down over the posts and onto the split sleeves. (Fig. N-N)

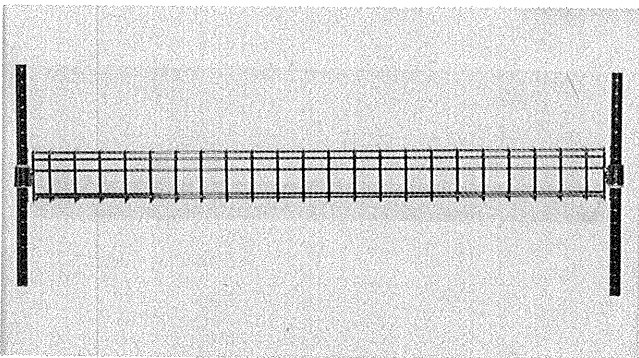


FIG. N-N

- B. Then using a hammer and a block of wood gently tap each end of the mount down until the basket mount is completely seated. (Fig. O-O)

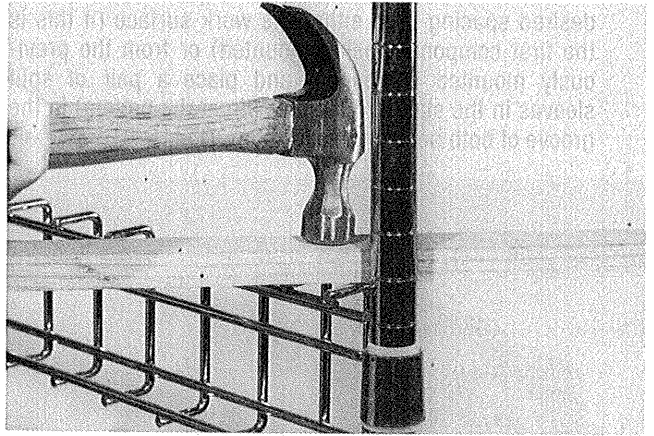


FIG. O-O

- C. Determine the locations on the basket mount for the various units and mount as follows. Insert the offset of the mounting clip between the two upper horizontal wires of the mount and behind the top horizontal wire (Fig. P-P). Holding the unit against the mount, exert a downward pressure to completely seat the unit and lock it into position.

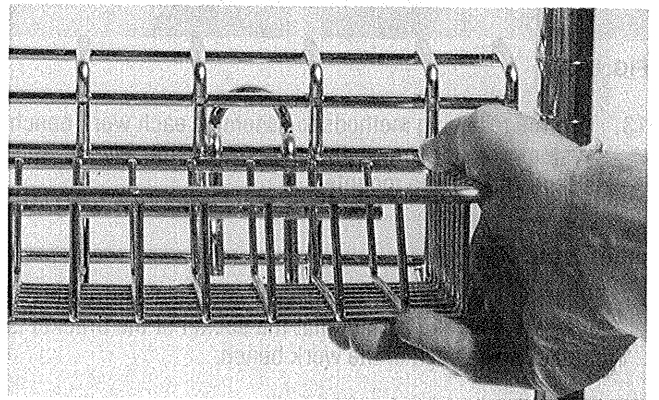


FIG. P-P

NOTE: If the unit does not seat completely use the following method. Using a hammer and block of wood gently tap the unit down until it is completely seated and locked into position. (Fig. Q-Q)

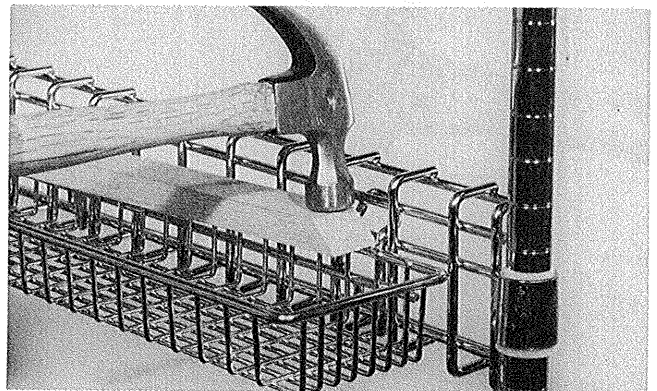


FIG. Q-Q

D. Mount the remaining units on the basket mount. (Fig. R-R)

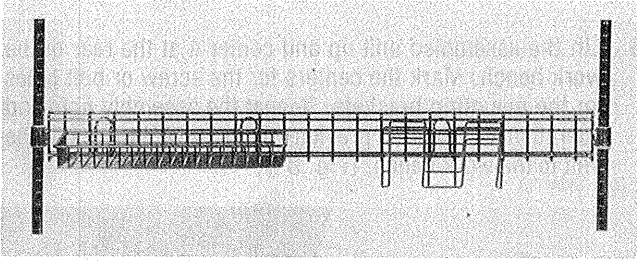


FIG. R-R

Slanted Cantilever Shelf

A. Determine the position of the shelf on the posts and mark these two grooves in some manner (felt tip pen). Slide the shelf down over the posts until the marked grooves are centered between the retaining rings of the side braces and the corner sleeves of the shelf. Now place a pair of split sleeves in both of the marked grooves. (Fig. S-S)

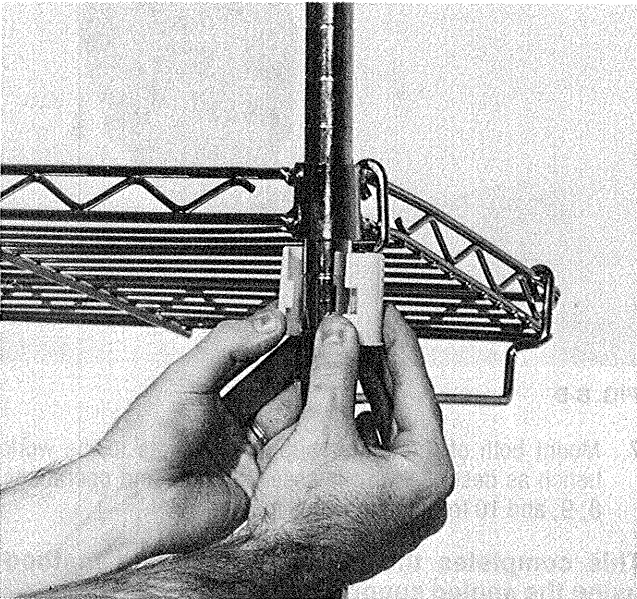


FIG. S-S

B. Slide the shelf down onto the split sleeves. (Fig. T-T)

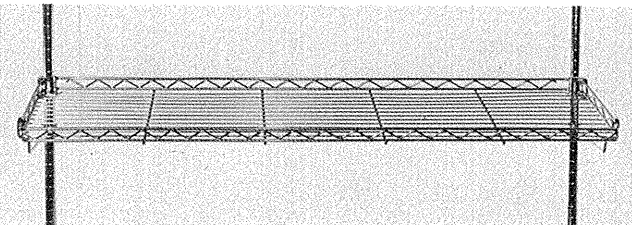


FIG. T-T

C. Then using a hammer and a block of wood gently tap each end of the shelf down until the cantilever slanted shelf is completely seated. (Fig. U-U)

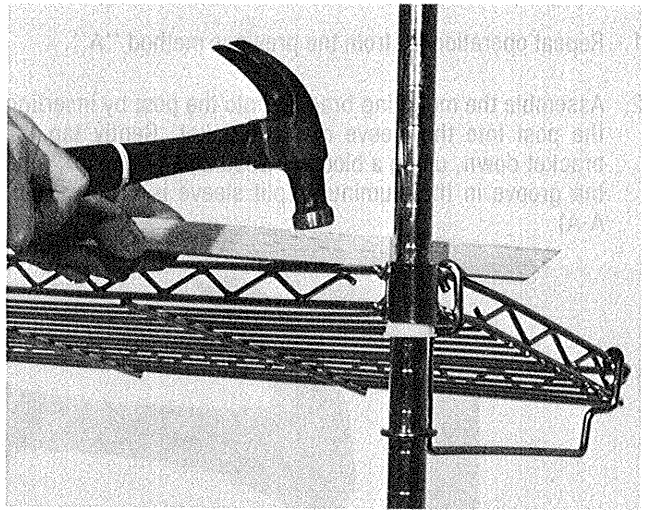


FIG. U-U

Cantilever Shelf

A. Slide the cantilever shelf down over the posts and onto the split sleeves. (Fig. V-V)

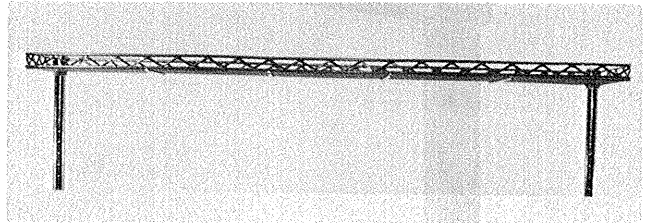


FIG. V-V

B. Then using a hammer and a block of wood gently tap each end of the shelf down until the cantilever shelf is completely seated. (Fig. W-W)

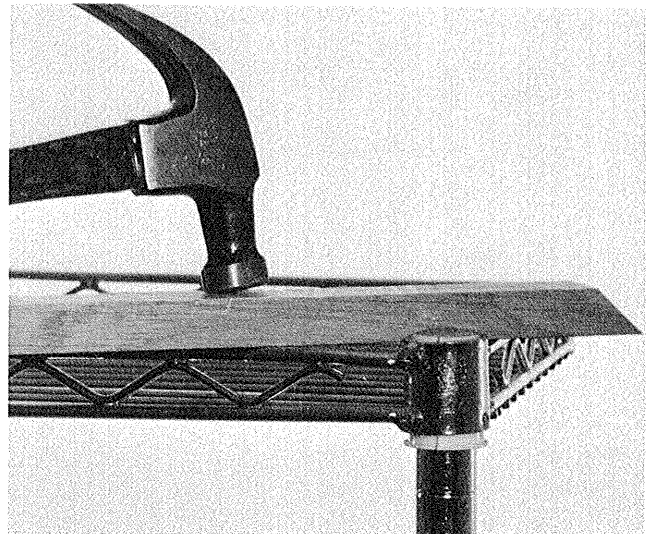


FIG. W-W

This completes the assembly of the Metro Work Bench Shelving System using the angle support brackets.

B. Alternate mounting method using the angled support bracket

Two people will be required if this method is used.

1. Repeat operation #5 from the previous method "A".
2. Assemble the mounting bracket onto the post by inserting the post into the sleeve of the bracket. Gently tap the bracket down, using a block of wood and a hammer, until the groove in the aluminum split sleeve is visible. (Fig. A-A)

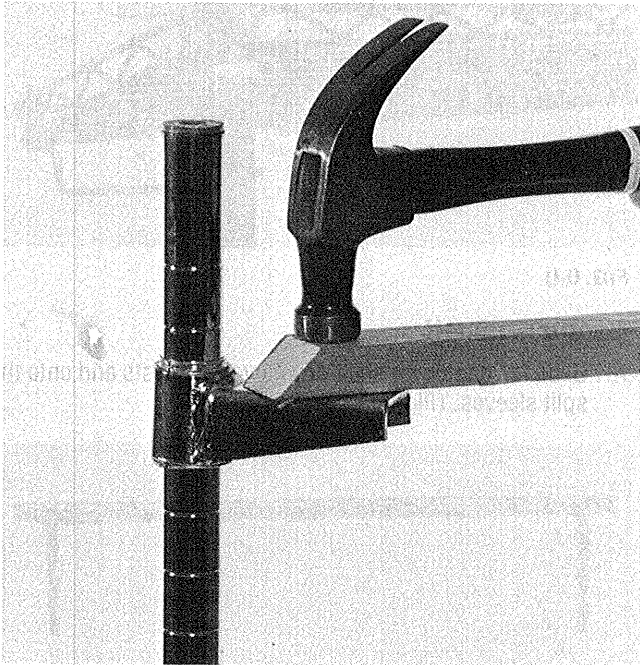


FIG. A-A

3. Repeat operation #7 from the previous method "A".
4. Repeat operations #1, #2 and #3 for the second post.

5. Assemble the components on the posts in the desired configuration as described in operations #12 and #13 from the previous method "A".
6. Lift the assembled unit up and center it at the rear of the work bench. Mark the centers for the screw or bolt holes for the mounting brackets. Repeat the assembly note and operation #4 from the previous method "A" to mount the unit to the work bench. (Fig. B-B)

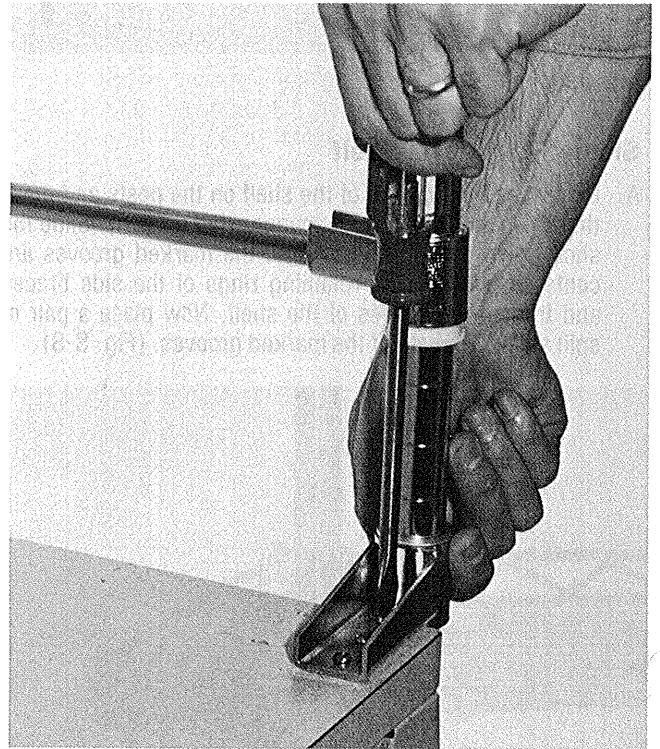


FIG. B-B

7. Mount both of the angled support brackets to the work bench as described in the assembly note and operations 8, 9, and 10 from the previous method "A".

This completes the alternate mounting method using the angled support bracket.

C. Mounting method using the flat support bracket

1 through 3. These operations are identical to those from the 1st mounting method "A" using the angle support bracket.

4. Using these center points drill three (3) $\frac{3}{16}$ inch diameter clearance holes through the work bench table top for each mounting bracket.
5. Then using the proper mounting screws or bolts mount the mounting brackets and flat support brackets to the work bench table top using the correct flat washers, lock washers and hex nuts. Tighten all screw or bolts completely. (Fig. A-A)

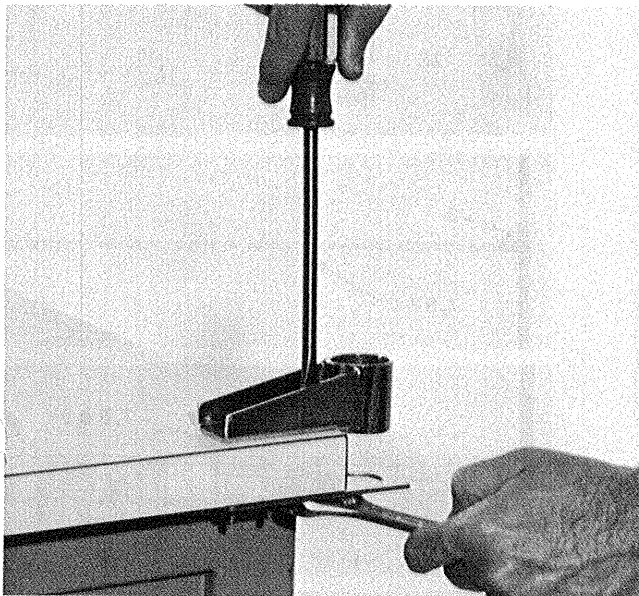


FIG. A-A

6. Then place a pair of aluminum split sleeves inverted from the standard method of assembly (lip at the top) in the groove which will give the post the necessary extension to protrude below the flat support bracket (Fig. B-B). Make certain that the bead of the split sleeves fits securely into the groove on the post.

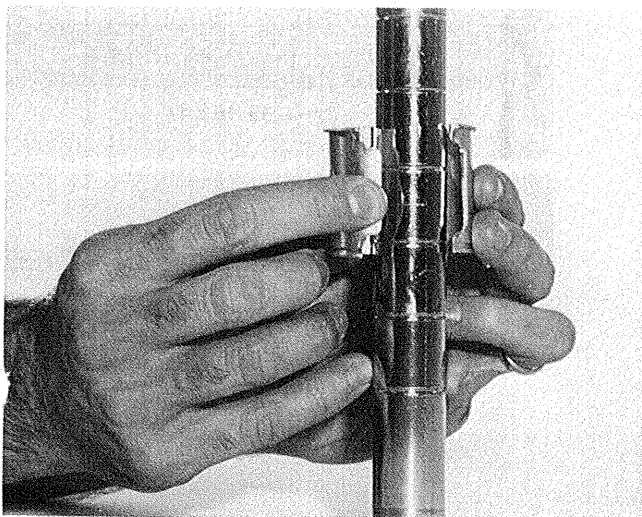


FIG. B-B

7. Insert the post into the sleeve on the mounting bracket (Fig. C-C). Gently tap the post down, using a block of wood and a hammer, until the groove in the aluminum split sleeve is visible at the bottom of the mounting bracket.

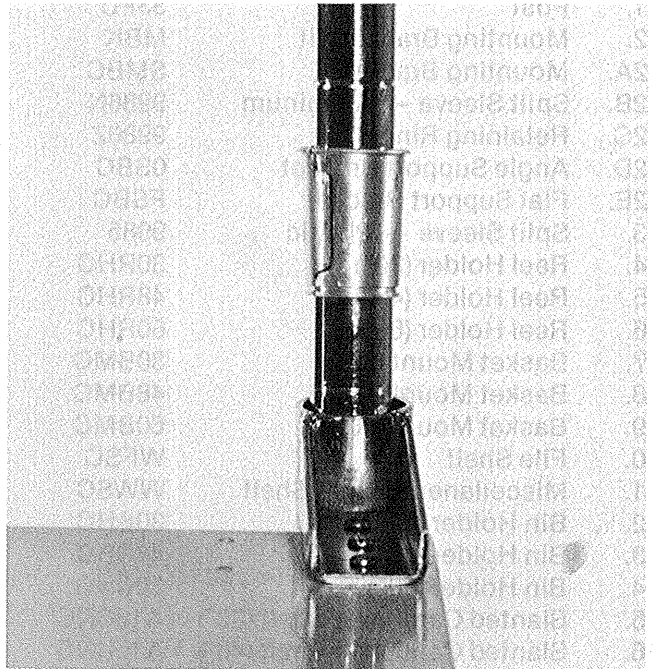


FIG. C-C

8. Check the extension of the post through the mounting bracket to make certain that the post protrudes through the flat support bracket. If not readjust the aluminum split sleeves. If the position is correct, then using a hammer insert the retaining ring into the groove of the split sleeve to lock the post into position. (Fig. D-D)

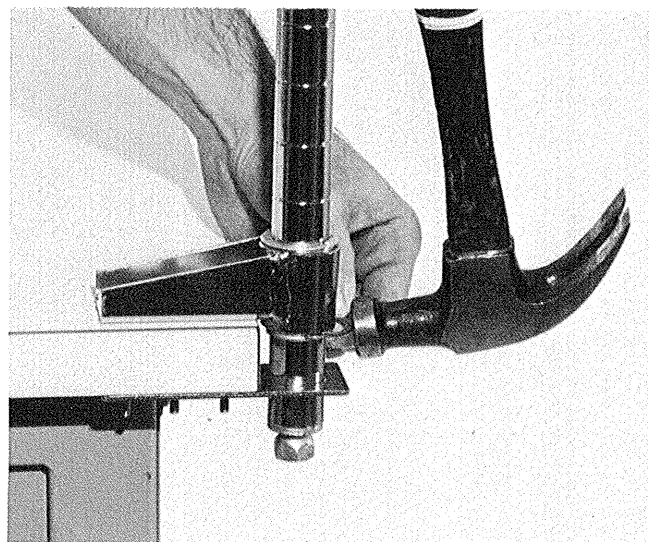


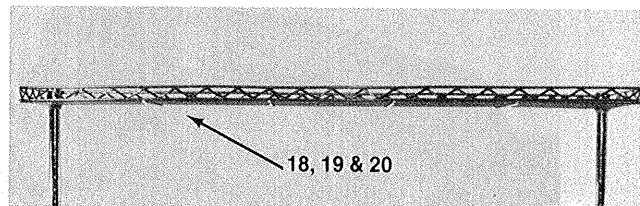
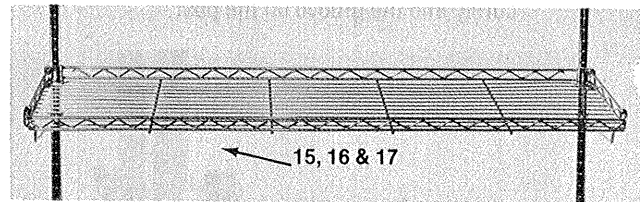
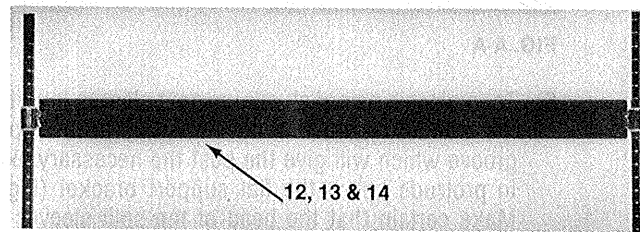
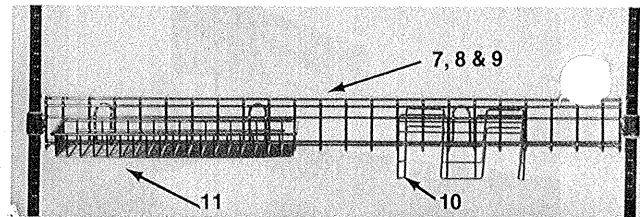
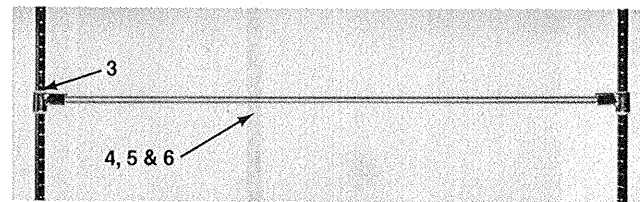
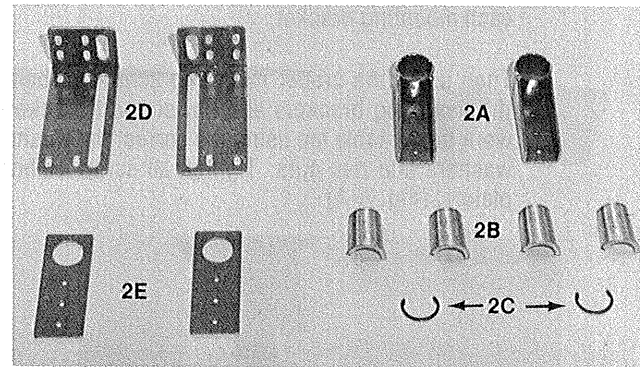
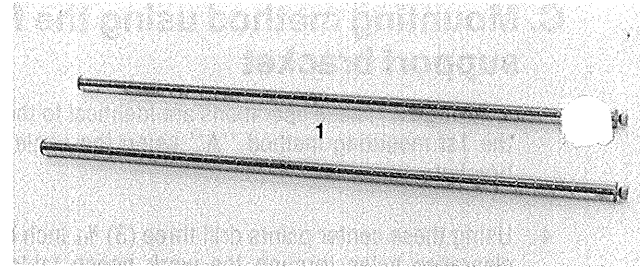
FIG. D-D

9. Repeat operations #6, 7 and 8 for the second post.
10. Assemble the components on the posts in the desired configuration as described in operations #12 and #13 from the 1st mounting method "A".

This completes the assembly of the Metro Work Bench Shelving System using the flat support bracket.

Replacement Parts List

Item	Description	Part No.
1.	Post	33PC
2.	Mounting Bracket Kit	MBK
2A.	Mounting Bracket	SMBC
2B.	Split Sleeve — Aluminum	9986N
2C.	Retaining Ring	9980Z
2D.	Angle Support Bracket	0SBC
2E.	Flat Support Bracket	FSBC
3.	Split Sleeve — Plastic	9985
4.	Reel Holder (30")	30RHC
5.	Reel Holder (48")	48RHC
6.	Reel Holder (60")	60RHC
7.	Basket Mount (30")	30BMC
8.	Basket Mount (48")	48BMC
9.	Basket Mount (60")	60BMC
10.	File Shelf	WFSC
11.	Miscellaneous Wire Shelf	WWSC
12.	Bin Holder (30")	30BHC
13.	Bin Holder (48")	48BHC
14.	Bin Holder (60")	60BHC
15.	Slanted Cantilever Shelf (30")	A12CNC
16.	Slanted Cantilever Shelf (48")	A15CNC
17.	Slanted Cantilever Shelf (60")	A16CNC
18.	Cantilever Shelf (30")	1230CSNC
19.	Cantilever Shelf (48")	1248CSNC
20.	Cantilever Shelf (60")	1260CSNC





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