

PLACING, ASSEMBLING, AND ALIGNING 5B AND 5C
AUXILIARY SERVICE POSITIONS

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ASSOCIATED HANDBOOK INFORMATION REFERENCE CHART

Subject	Handbook	Section
General Requirements and Information	30	1B
General Safety Precautions	30	1A
Precautions Against Personal Injury, Equipment Damage and Service Interruptions	0	13A, 13B, 13C, 13D

- | | | | |
|------|---|-------|---|
| 1. | <u>GENERAL</u> | 1.3 | <u>Precautions</u> |
| 1.1 | <u>Scope of Section</u> | 1.31 | General safety precautions against personal injury and equipment damage are outlined in Handbook 0 and the "General" section of this handbook and are to be observed at all times, as they apply to the operations being performed. Specific precautions to be taken are covered in this section. |
| 1.11 | This section covers specific requirements and methods for placing, assembling and aligning 5B and 5C type Auxiliary Service Positions. | | |
| 1.2 | <u>Associated Information</u> | 1.4 | <u>Unpacking Positions From Containers</u> |
| 1.21 | Floor plan and position assembly drawings furnished on the job. | 1.41 | Units are shipped in corrugated cardboard containers (each weighing approximately 50-60 lbs.) in a knocked down condition. |
| 1.22 | Drawing ED-1B087-10 shows typical cluster units and all general variations (groups) possible. Stamping information for tel jacks may be found on the appropriate J-drawings (1B039AA-50, 1B039AB-50, 1B039AC-50). | 1.411 | The large cartons contain panels, legs, shelves, and baffles (if ordered). Depending on supplier, miscellaneous hardware such as capping trim, corners, and retaining rings may be shipped in the large cartons or individually. |
| 1.23 | Refer to the Associated Handbook Information Reference Chart above for the location of handbook information to which reference may be necessary when performing operations covered by this section. | | |

- 1.412 The self tapping screws, trim clips, and other small assembly parts are found in a small bag in the large containers marked "#1".
- 1.413 Items such as book supports, ticket holders, console bases, etc.; and all Western supplied items such as mounting plates, tel jacks, and cables are packed and shipped individually.
- 1.414 Since cable pans, brackets, mounting plate units, and tel jacks are shipped separately; these cartons should be located and opened at the beginning of the job.
- 1.42 Care should be exercised when unpacking the panels to avoid scratching the wood grain finish with any tools.
- 1.421 Baffle panels made of plexiglas may be covered either with a brown paper tape or a clear, thin film of plastic for protection. This should be left on until the baffles are to be installed.
- 1.43 Individual small metal parts are wrapped in paper and care should be taken that all of the parts are unpacked before discarding packing material.

2. INSTALLING EQUIPMENT

2.1 Tools

- 2.11 Tools used for operations covered in this section are specified below:

<u>CODE</u>	<u>ORDER NO.</u>	<u>DESCRIPTION</u>
R-4049	13404900	Screwdriver
R-4050	13405000	Screwdriver
TS 815	62081500	Small Nut and Bolt Wrench Set
R-4041	13404100	Rubber and Steel Tipped Hammer
R-1370	13137000	12" Bench Level
KS-13816	13138160	1" Open End Wrench
R-1504	13150400	6" Long Tapered Blacksmiths' Punch
TS-3241	62324100	Hydraulic Conduit Punch Set

2.2 Supplies

- 2.21 In addition to the above tools, the following supplies will be beneficial in assembly operations:
Block of Wood - 2 x 4 x 2 in. long
Obtain locally

3. DESCRIPTION OF POSITIONS

- 3.1 The positions are constructed of sheet metal with the sides finished in "Heritage Walnut" and the table tops covered with a high pressure laminate. The sides are formed into panels which are fastened to tubular legs via self tapping screws. The legs have adjustable feet for leveling purposes. Optional on all positions is a bronze tinted plexiglas baffle.
- 3.2 There are two major units that are assembled into clusters to form various groups. At the end of this section is a typical assembly drawing (Figure 11) and drawings and parts lists for the various lists (Figures 12 thru 29). The basic units are the 5B and 5C, shown in Figures 1 and 2, respectively.
- 3.21 The 5B type position consists of a B shelf (Figure 6) and a table top (Figure 5) mounted to form an "L" shaped unit when viewed from the top.
- 3.22 The 5C type position consists basically of the 5B position with an additional "C" shelf, forming a "U" shaped unit.
- 3.23 Mounted on table tops or shelves are ticket holders and console base (List 24, one per position); and when paper directories are used one each of List 22 (Book Support Compartment), List 23 (Book Support), List 25 (Frequently Called Number Bulletin).
- 3.24 The following list numbers have been assigned to provide individual operator positions, groups of positions, clusters, and line-ups as required.

- 3.241 Lists 1 through 9 are complete assemblies of from 1 to 4, B or C positions (Figures 12 - 20).
- 3.242 Lists 10 through 14 - make up a growth pattern of diagonal lineup - double overlap (Figures 21 - 25).
- 3.243 Lists 1, 14, 15, and 15 make up a growth pattern of diagonal - single overlap (Figures 12, 25, 26, 27).
- 3.244 Lists 19 and 20 are complete assemblies for use when a free standing retrieval unit is provided (Figures 28, 29).
- 3.245 List 21 is a plug button (Figure 30).
- 3.246 Lists 22, 23, and 25 are assemblies which are required when positions are used for paper directories. (Figure 2).
- 3.247 List 24 is the base for the telephone console and is required for all positions (Figure 2).

4. LOCATION OF POSITIONS

- 4.1 Locate desks to conform to the particular plans for each installation.
- 4.2 Where limiting dimensions (or tolerances) are not specified, locate the desk equipment to within such limits of the specified dimensions as will insure satisfactory functioning and craftsman like appearance of the equipment.

5. LAYING OUT FLOORS

- 5.1 Determine from the floor plan drawings the location of the desk.
- 5.2 Position clusters should be assembled in a work location as close as possible to their final location. Basic groups may be moved slightly, but care should be exercised so that unsupported panels are not warped or bent.

6. GENERAL ASSEMBLY OF POSITIONS

- 6.1 Refer to figures attached for illustrations of specific details referenced in the following paragraphs.
- 6.2 When positions are to be grouped (by ordering the correct lists) the side panels become common. There are no double walls or baffles.

- 6.3 Utilize the adjustment provided by clearance holes in the various parts to provide the best alignment, close up gaps, insure rigidity of baffles, etc.

- 6.4 The general sequence of position assembly is to erect the panels and legs, attach the table tops, and install baffle assembly, if ordered.

7. ASSEMBLY OF PANELS

- 7.1 The manufacturer normally will ship some panels and legs assembled, dependent on packing limitations. These assemblies should be generally checked for tightness.
- 7.2 Before assembly, the installer should note that there are five variations of the corner (outside) legs and two variations of the inside legs. (Figure 3).
- 7.21 These variations allow for the formation of the cluster units without double panels.
- 7.22 It is important that these variations be recognized and to CHECK the orientation of all components before final tightening of any screws.
- 7.3 Side panels are shipped with the inner panel attached. It is necessary to remove the inner panel by lifting up and out to fasten the upper hex head screws to the legs (Figure 4).
- 7.4 To facilitate assembly, the upper and lower hex head self tapping screws may be partially driven into the leg before attaching the adjacent panel because the panels are slotted at the edge (Figure 4).
- 7.5 Depending on the list number, either a common panel or common leg may be identified for any cluster. These are normally the largest panel shipped or the center leg of a cluster.
- 7.6 The largest panel should be erected first and smaller or equal size panels attached to it to form a free standing unit.

7.7 After all panels have been fastened to the legs, the inner panels are replaced and secured using the No. 6 Rd. Hd. self threading screw. Note that the upper lip of the inner-panel fits under the upper lip of the outer panel (Figure 4). (See paragraph 12.21 before performing this operation).

8. ALTERNATE METHOD OF PANEL ASSEMBLY

- 8.1 This method has a certain degree of freedom in the sequencing of panel assembly. It is thus imperative that the installer be aware of the relationships between panels, legs and table tops. It is recommended that for the first assembly, all components be layed out before assembly for familiarization.
- 8.2 In general, the basic procedure is to make loose sub-assemblies of outer panels and table tops, assemble these sub-assemblies, attach inner panels, and finally junction table tops together.
- 8.3 This is possible, beginning February, 1975 the manufacturer has reduce the height of the inner panel. This allows it to be slipped between the loose top and the outer panel. A visual check is that these panels no longer have clearance holes for the screws that fasten tops to panels.
- 8.4 Advantages to this method are that the outer panel/table top subassembly work can be performed with the panel layed flat on the floor with the shelf in a vertical plane. This facilitates access and driving of the thread forming screws.

NOTE: If work area is not carpeted, precautions must be taken to avoid surface damage to the panels. It is recommended that shipping carton tops (after removing any staples) be used.

- 8.5 While the installer has the freedom to determine which panels/tops will be preassembled, we recommend that they be chosen to maximize the number of screws that can be driven.

8.51 For example, on a List 4 cluster, the 115 and 116 tops should be loosely fastened to the 107 and 106 panels. One of the 114A tops can be assembled to the 109A panel. The subassemblies are then joined to the 104 legs, the other 114A top is attached, tops are fastened together, the inner panels replaced, and all top fastening screws tightened.

8.52 It should be noted that some panels, when common to more than one position, have holes on both sides. In general, the pre-assembly of tops should be done using the inside holes.

8.6 It is necessary to leave the inner panels off to gain access to the upper hex head bolts in the legs.

8.7 After all subassemblies and panels have been fastened to legs, the inner panels should be replaces and the table top/shelf screws tightened. (See Paragraph 10.5)

9. CABLING

9.1 For simplification, 5B/5C Auxiliary Service Positions have been connect-
orized. Appropriate wiring diagrams and schematics are included in the job drawings.

9.11 Specific cabling details for jack units may be found on J-1B039AA-50, J-1B-39AB-50, or J-1B039AC-50. Appropriate mounting locations and details may be found on J-1B039A-50.

NOTE: Mounting of the cable brackets under the "B" or "C" Shelf may be facilitated by doing this before mounting the shelf to the panel. However, pre-mounting of the Cable Pan (841181688) or Cable Shelf (841181704) to the shelf will make the self tapping screws used to fasten the shelf to the side panel inaccessible.

9.2 Punching of Cable Holes

9.21 Cable holes in side panels are necessary when cable from a single sleeve feeds more than one position.

- 9.22 Location of holes are found on ED-1B087-10.
- 9.23 This operation is facilitated by using TS-3241 (Hydraulic Conduit Punch Set) before desks are fastened to the panels.
- 9.3 Ground Leads
- 9.31 The No. 12 Ground Wire Lug should be fastened to the desk leg prior to the fastening of the mounting plate bracket (J-1B039A-50).
10. MOUNTING AND ASSEMBLY OF DESKS AND SHELVES
- 10.1 To facilitate installation of shelves or desks to side panels, it is recommended that the Tapered Blacksmith's Punch (R-1504) be used to align mounting holes.
- 10.2 Shelves and desk tops are fastened to the side panels using 1-1/4" long 1/4-20 Thread Forming Screws (Figure 2 Section AA).
- 10.21 These screws are a thread forming screw and due to manufacturing tolerances occasional difficulty may be experienced in starting them. Sufficient torque should be obtained through the use of the 1/4" drive ratchet set (TS 815).
- 10.3 When mounting desks or shelves to side panels, two installers are required; one to start the self tapping screws while the other helps hold the top in place.
- 10.31 To ease installation, start all screws in each shelf before tightening. This is a check for alignment.
- 10.32 It is recommended that a short socket and universal joint be used with the 1/4 inch ratchet to apply sufficient axial loading, and torque.
- 10.33 If a hole cannot be aligned, recommended field action is to enlarge the clearance hole in the table top with either a "D" (.246) or 5/16 inch diameter drill bit. The enlargement of the panel holes (either by drilling or tapping) will reduce the strength of the assembled position and is prohibited.
- 10.4 The shelves and desks are fastened together using 2 inch long, 1/4 x 20 capscrews, two washers, and a nut (Figure 2, Section AA).

- 10.5 To ensure a proper fit, the relay mounting plate (per J-1B039A-50) that attaches to the leg should be fitted before final tightening of the shelf mounting screws.

11. LEVELING AND ALIGNING DESKS

11.1 Leveling

- 11.11 The level of the desks should be maintained throughout the cluster by using the 1" O.E. Wrench (KS-13816) and Bench Level (R-1370) to turn the adjustable feet as follows:

- 11.111 At the leg closest to the center of a cluster, first screw the adjustable foot completely in and then out two complete turns.

- 11.112 Working radially from this leg, level all inner panel assemblies in the cluster.

- 11.13 Finish by adjusting all of the outer legs to make the entire unit level.

11.2 Aligning

- 11.21 Align adjacent units so that the surface of the panels are visibly in alignment as nearly as possible.

12. MISCELLANEOUS ASSEMBLIES

12.1 Baffle Assembly

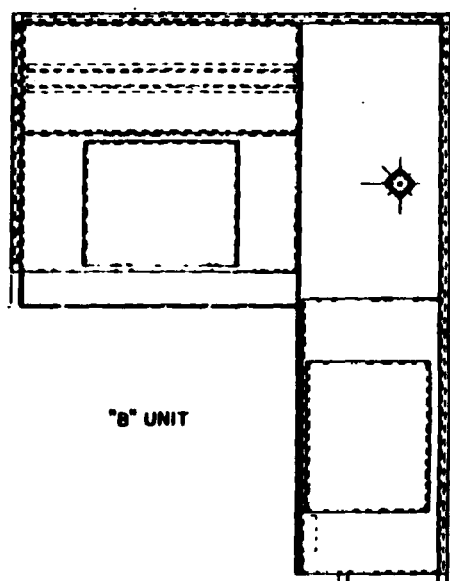
- 12.11 The optional Baffle assembly consists of a piece of bronze tinted plexiglas and securing channels pressed into the tubular legs.

- 12.12 The top edges of positions will either be finished with a baffle system and/or capping strips.

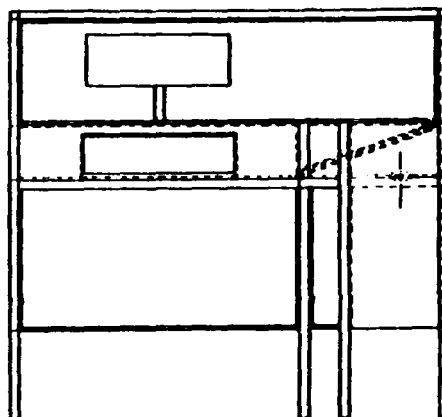
- 12.121 The baffle assembly consists of a bronze plexiglas (Figure 7), upper and lower retaining strips (Figure 7). The upper strips are welded to square tubing which and are connected with various corners (Figure 8).

- 12.13 If the plexiglas is received without the lower retaining channel, it is recommended that this be assembled first.

- 12.131 This channel should be centered such that its ends are equal distance from the edges of the plexiglas baffle. (Figure 7).
- 12.14 Extension posts are to be assembled to the tubular legs by first assembling extension into post (see Figure 10).
- 12.15 Extension post assemblies should be driven into the tubular legs, using a locally obtained block of wood to provide a surface to hammer on.
- NOTE: Retainer rings on extension posts, corner connectors, and end caps are to be installed such that the open end is pointing up.
- 12.16 Carefully install baffle and lower retaining strip assembly into extension post channels.
- 12.17 Connect corners and upper retaining strip together and attach to extension posts.
- 12.2 Panel Capping Trim
- 12.21 On panels where the baffle assembly will not be installed, trim clips are attached to panels using a No. 6 x 5/8 self tapping screw and spacer.
- 12.22 Capping trim simply slides onto trim clips.
- 12.3 Book Supports and Console Mounting Box
- 12.31 Book supports are attached to the top of shelves or tables by removing the adhesive protection of the vinyl tape around its bottom edge and positioning them as shown in Figures 1, 2, and 11.
13. VERIFICATION ITEMS
- 13.1 General
- 13.11 The following contains the verification items for the equipment installed by operations covered in this section.
- 13.12 Where practical, the essentials of the requirements are included in the verification item. Where this is not practical, a brief statement of the requirement appears as one or more subparagraphs of the verification item. In each case, reference is made to each requirement.
- 13.13 Verification items which are followed by the symbol (D) may be checked by the installer on the drawings furnished for the job.
- 13.14 Verification items worked (P) are so designated to denote that the equipment should be verified before a portion of the work becomes indiscernible due to additional installation operations. If this requirement does not apply, verify in the regular manner.

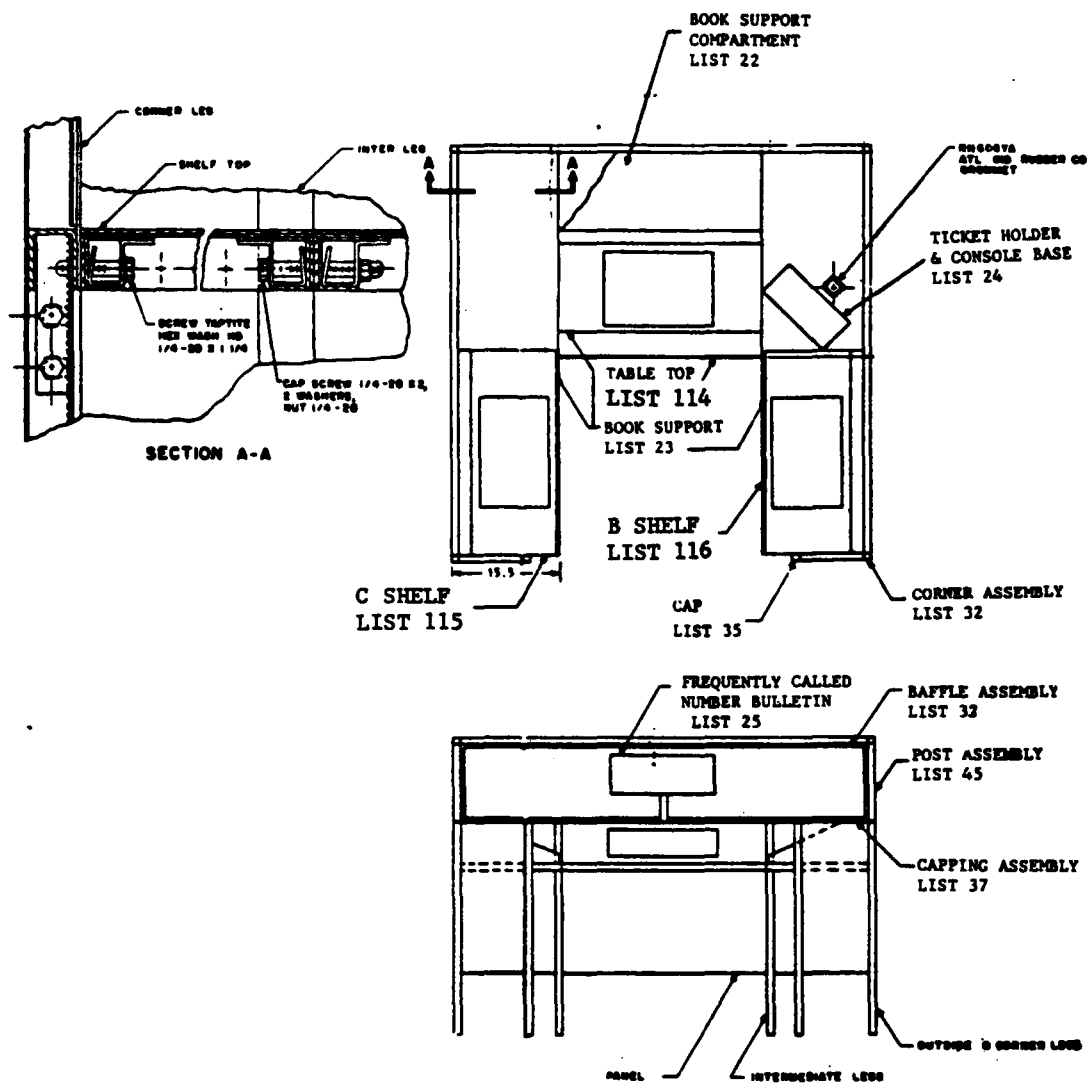


"B" UNIT



RP-0724A

FIG. 1 NO. 5B AUXILLIARY SERVICE POSITION (#5 ASP)

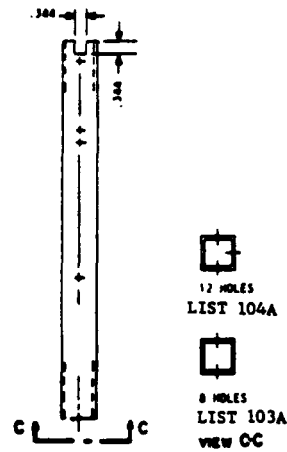
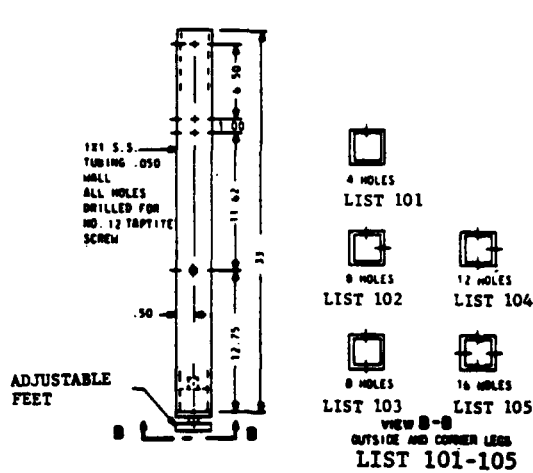


NOTES:

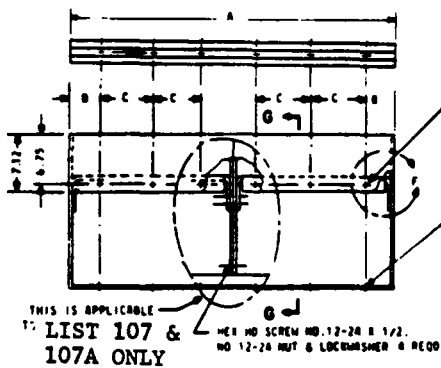
1. ADHESIVE PROTECTION ON UNDERSIDE OF LISTS 22, 23, & 24 SHALL BE REMOVED BY THE INSTALLER ON INSTALLATION.
2. ALL DIMENSIONS ON THIS SHEET ARE FOR REFERENCE ONLY.

RP-0724B

FIGURE 2



SAME AS LIST 101-105 EXCEPT AS SHOWN
(INTERMEDIATE LEGS)
LIST 103A, 104A RP-0724C



DRILLED FOR NO. 6
SELF TAPPING SCR.

20 GA VINYL CLAD STEEL

INSIDE PANEL

UPPER CHANNEL
1.12 & .92
13 GA C.R. STEEL

OMITTED HOLES
ON LISTS 106, 107
108, 109, 110
SEE TABLE

PANEL & CHANNEL INFORMATION TABLE							
LIST	A DIM	B DIM	C DIM	INSIDE PANEL AND CHANNEL HOLES	OUTSIDE PANEL HOLES	TOP PANEL HOLES	BOTTOM PANEL & CHANNEL HOLES
106	10	1.62	6.75	2	NONE	2	NONE
107	12	5.00	10.50	5	NONE	5	5
107A	12	5.00	10.50	5	NONE	5	5
108	18.5	1.62	11.25	7	NONE	7	7
108A	18.5	1.62	11.25	7	NONE	7	7
109	31	5.00	19.50	13	NONE	13	13
109A	31	5.00	19.50	13	NONE	13	13
110	22	1.62	11.00	5	NONE	5	5
110A	22	1.62	11.00	5	NONE	5	5
111A	18.5	1.62	12.25	7	7	7	NONE
112A	34	6.00	11.00	17	17	17	NONE

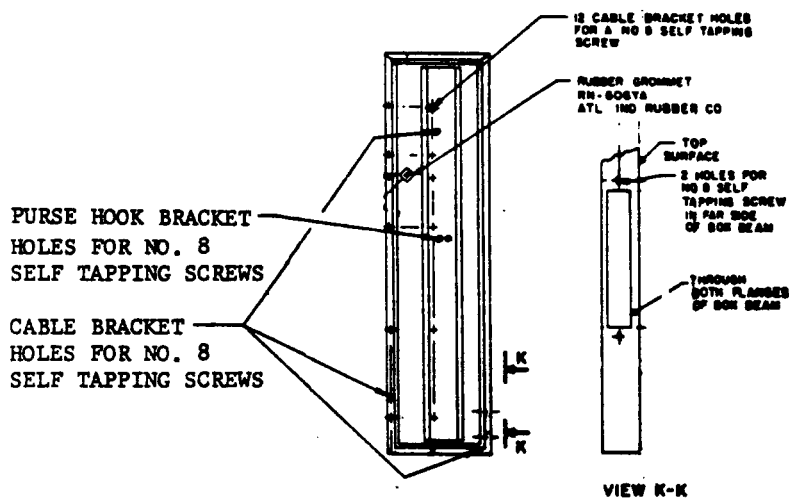
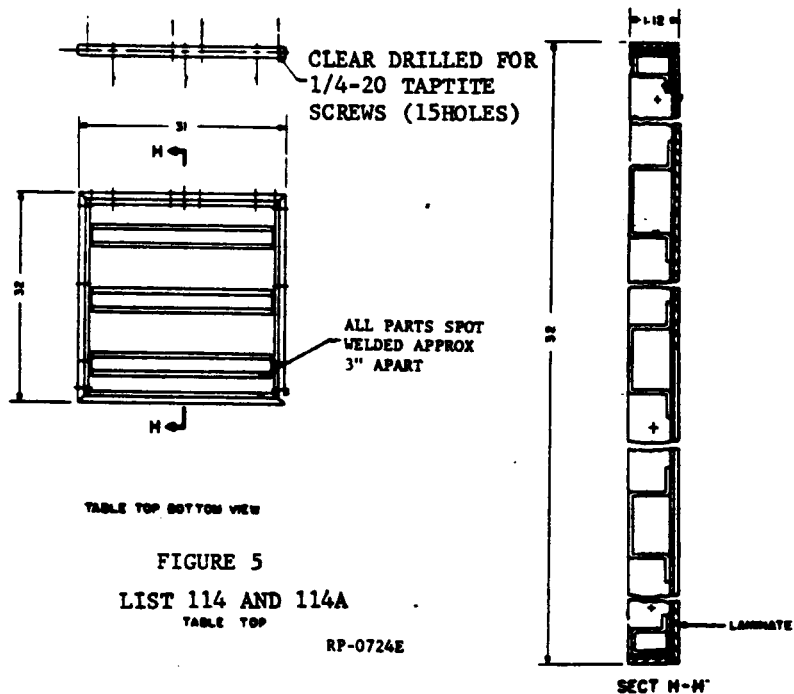
* 62" PANEL REQUIRES 2 31" PANELS
JOINED TOGETHER AT CENTER

PROVIDE ON 62" PANELS
LOWER CHANNEL
1000 CR STEEL .01-7/8 LONG

PROVIDED ON
62" PANELS

PANELS
LISTS 106 - 112
RP-0724D

SECTION 6-6



MIRROR OF LIST 115

RP-0724E

LIST 116
C SHELF

FIGURE 5A

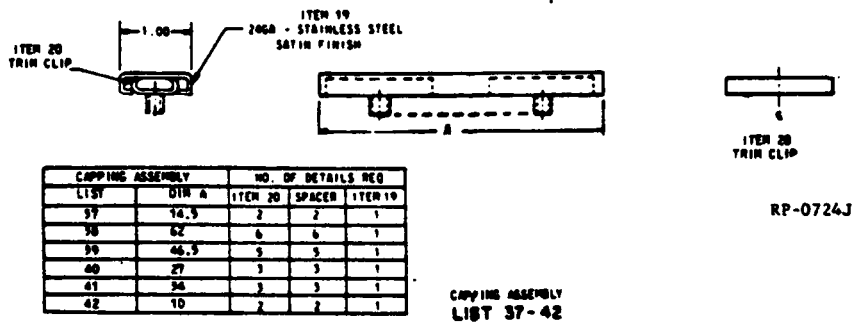
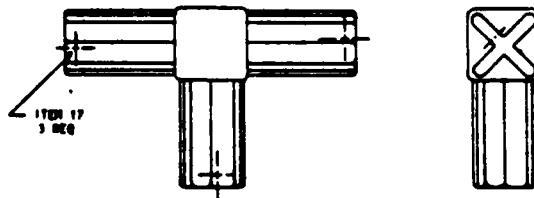
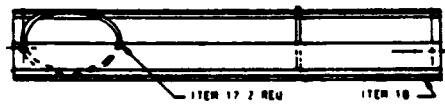
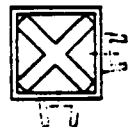
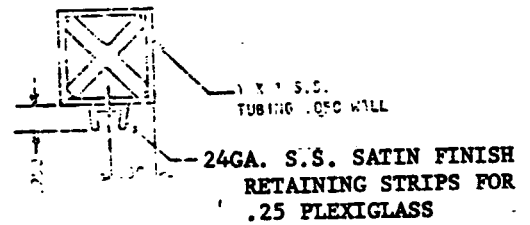
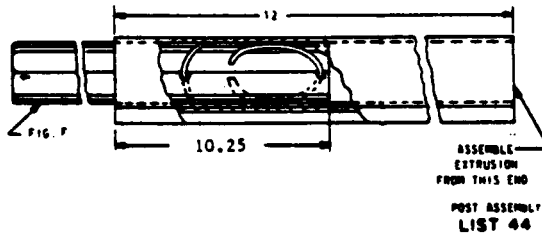
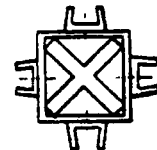


FIGURE 9

CORNER- 3 WAY SPECIAL
LIST 43FIG. F
EXTRUSION ASSEMBLYPOST ASSEMBLY
LIST 43POST ASSEMBLY
LIST 46POST ASSEMBLY
LIST 47POST ASSEMBLY
LIST 48

NOTES:

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

RP-0724K

FIGURE 10

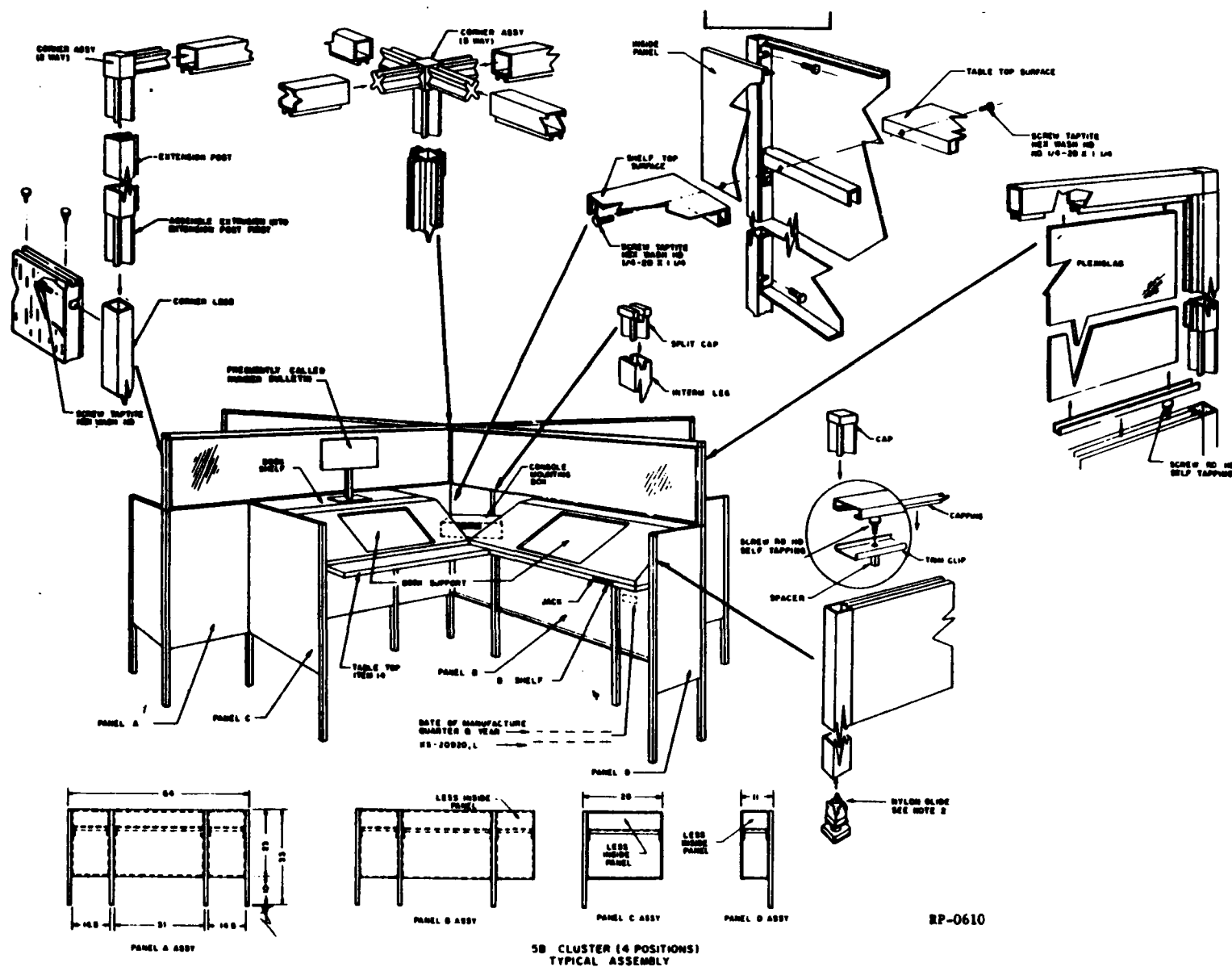
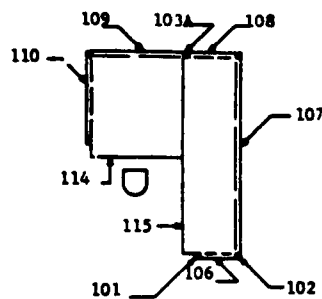
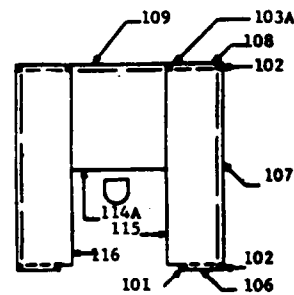


FIG. 11 5B CLUSTER (4 POSITIONS) TYPICAL ASSEMBLY
(PAR. 6.1, 9.13, 9.31)



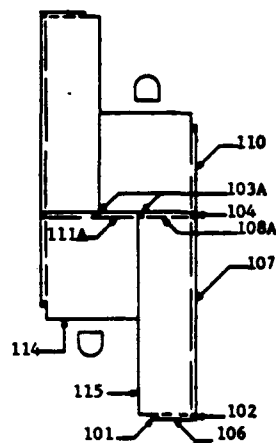
PARTS REQ'D FOR LIST 1					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	2	106	1	114	1
102	3	107	1	115	1
103A	1	108	1		
		109	1		
		110	1		

LIST 1 RP-0724L



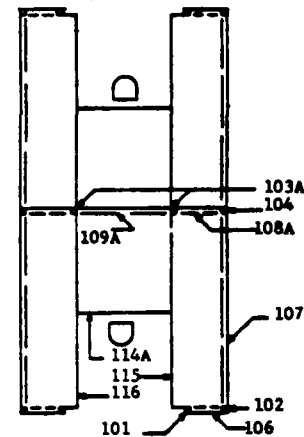
PARTS LIST FOR LIST 2					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	2	106	2	114A	1
102	4	107	2	115	1
103A	2	108	2	116	1
		109	1		

LIST 2 RP-0724M



PARTS REQ'D FOR LIST 3					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	4	106	2	114	2
102	2	107	2	115	2
103A	2	110	2		
104	2	108A	2		
		111A	1		

LIST 3 RP-0724N

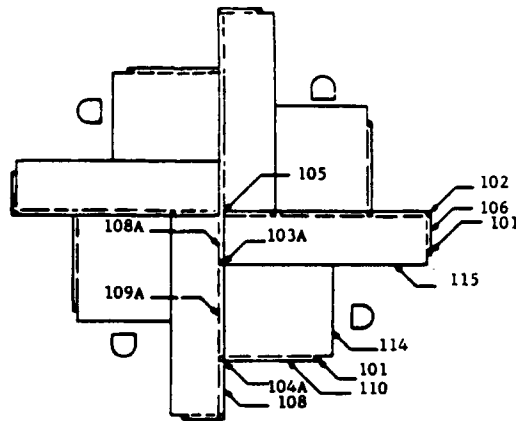


PARTS REQ'D FOR LIST 4					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	4	106	4	114A	2
102	4	107	4	115	2
103A	2	108A	2	116	2
104	2	109A	1	-	

LIST 4 RP-0724P

NOTES:

- ILLUSTRATIONS OF LISTS 1 THROUGH 20 PROVIDES VARIOUS ISLAND ARRANGEMENTS, CLUSTERS AND GROWTH PATTERNS FOR THE DESKS ALONG WITH THE QUANTITY OF THE VARIOUS ITEMS REQUIRED FOR THEM.
- THE DEPICTED ILLUSTRATIONS FOR LISTS 1 THROUGH 20 ARE SYMBOLIC OF PLAN VIEWS, PROVIDED FOR ORDERING PURPOSES. THE TWO LINES AROUND THE POSITIONS AND BETWEEN ADJACENT POSITIONS INDICATE THE INSIDE AND OUTSIDE VERTICAL WALLS. THE DASHED LINE IS USED TO DESIGNATE THE WALL INSIDE AND ABOVE THE WORKING TOP SURFACES AND, PICTORIALY SHOULD BE SOLID TO DIFFERENTIATE BETWEEN THE INSIDE AND OUTSIDE PARTICULARLY IN THE CASE OF COMMON WALLS BETWEEN ADJACENT POSITIONS. THE SOLID LINE IS USED TO DESIGNATE THE OUTSIDE STRUCTURAL PANELS. WHEN TWO OR MORE POSITIONS ARE JOINED TOGETHER, THE VINYL WOOD GRAINED SURFACE OF THE COMMON PANELS WILL BE ON THE INSIDE OF CERTAIN POSITIONS AS DESIGNATED BY THE SOLID LINES.
- BAFFLES SHALL BE PROVIDED IN ACCORDANCE WITH LISTS 26 THRU 30 ALONG WITH POSTS PER LIST 44 THRU 47 AND JOINING PARTS PER LIST 31 THRU 36 AND 43 PER ORDER.
- WHEN BAFFLES ARE NOT PROVIDED THE TOP EDGES OF DESKS SHALL BE COVERED WITH CAPPING STRIPS PER LISTS 37 TO 43 AND LEG CAPS PER LIST 35 PER ORDER.
- DETAILS OF LEGS AND PANELS SHOWN ON SHEET 7. TOPS ARE SHOWN ON SHEET 8.

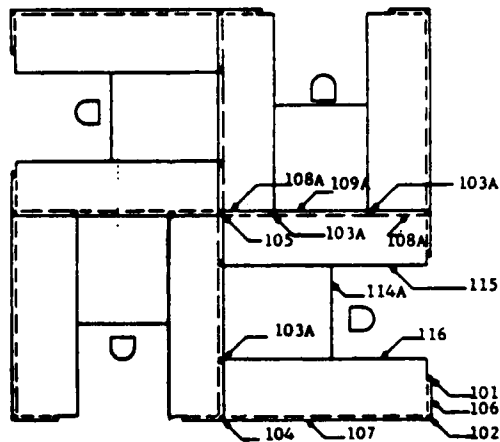


PARTS REQ'D FOR LIST 5					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	8	106	4	114	4
102	4	108	4	115	4
103A	4	109A	4		
104A	4	110	4		
105	1	108A	4		

LIST 5

RP-0724Q

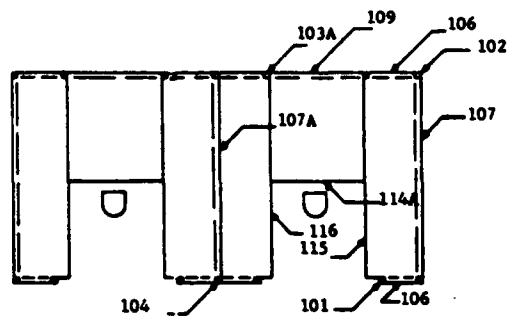
FIGURE 16



PARTS REQ'D FOR LIST 6					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	8	106	8	114A	4
102	4	107	4	115	4
103A	8	108A	8	116	4
104	4	109A	4		
105	1				

LIST 6

FIGURE 17 RP-0724R

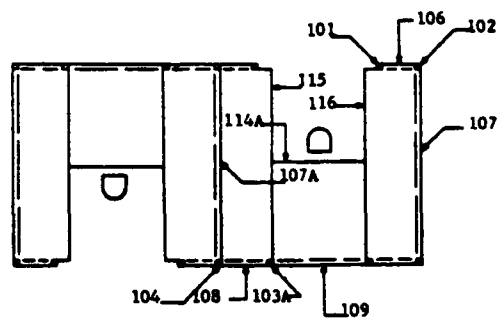


PARTS REQ'D FOR LIST 7					
LEGS		PANELS		TOPS	
LIST REQ'D		LIST REQ'D		LIST REQ'D	
101	4	106	4	114A	2
102	4	107	2	115	2
103A	4	108	4	116	2
104	2	109	2		
		107A	1		

LIST 7

RP-0724S

FIGURE 18

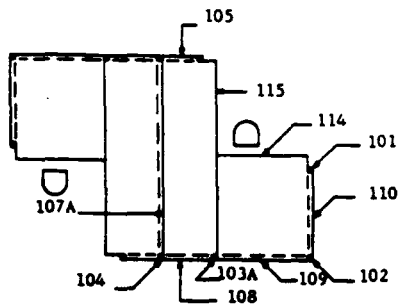


PARTS REQ'D FOR LIST 8					
LEGS		PANELS		TOPS	
LIST REQ'D		LIST REQ'D		LIST REQ'D	
101	4	106	4	114A	2
102	4	107	2	115	2
103A	4	108	4	116	2
104	2	109	2		
		107A	1		

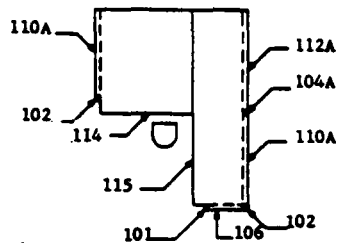
LIST 8

RP-0724T

FIGURE 19



PARTS REQ'D FOR LIST 9					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
104	2	106	2	114	2
101	4	108	2	115	2
103A	2	109	2		
102	2	110	2		
		107A	1		

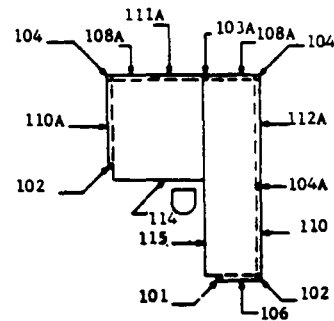
LIST 9
RP-0724U

PARTS REQ'D FOR LIST 11					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	1	106	1	114	1
102	2	110A	2	115	1
103A	1	112A	1		

LIST 11

RP-0724W

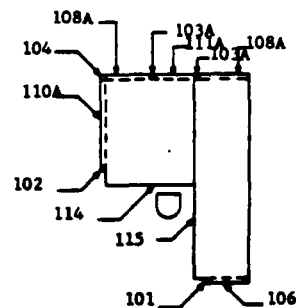
FIGURE 22



PARTS REQ'D FOR LIST 10					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	1	106	1	114	1
102	2	108A	2	115	1
103A	2	111A	1		
104	2	110A	1		
104A	1	112A	1		

LIST 10

RP-0724V



PARTS REQ'D FOR LIST 12					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	1	106	1	114	1
102	1	108A	2	115	1
103A	2	111A	1		
104	1	110A	1		

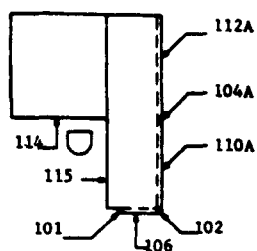
LIST 12

RP-0724X

FIGURE 23

NOTE:

1. LISTS 10, 11, & 12 ON THIS SHEET AND LIST 13 & 14 APPLY TO DIAGONAL LINEUP DOUBLE OVERLAP AS ILLUSTRATED

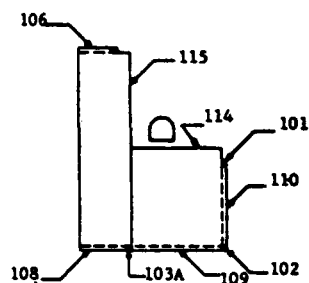


PARTS REQ'D FOR LIST 13					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	1	106	1	114	1
102	1	110A	1	115	1
104A	1	112A	1		

LIST 13

RP-0724Y

FIGURE 24

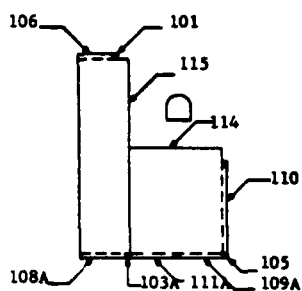


PARTS REQ'D FOR LIST 14					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	2	108	1	114	1
102	1	109	1	115	1
103A	1	110	1		
		106	1		

LIST 14

RP-0724Z

FIGURE 25

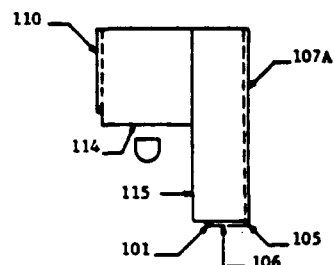


PARTS REQ'D FOR LIST 15					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	2	106	1	114	1
103A	2	108A	1	115	1
105	1	109A	1		
		110	1		
		111A	1		

LIST 15

RP-0725A

FIGURE 26



PARTS REQ'D FOR LIST 16					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	2	106	1	114	1
105	1	107A	1	115	1
		110	1		

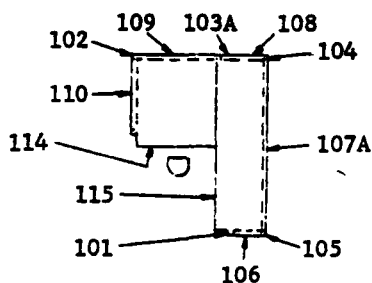
LIST 16

RP-0725B

FIGURE 27

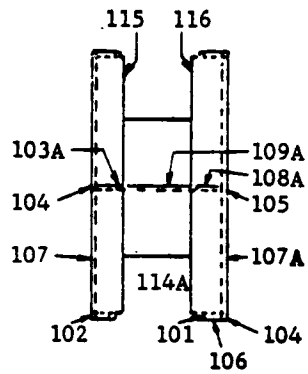
NOTE:

1. LISTS 14, 15, AND 16 APPLY TO DIAGONAL
LINEUP SINGLE OVERLAP AS ILLUSTRATED



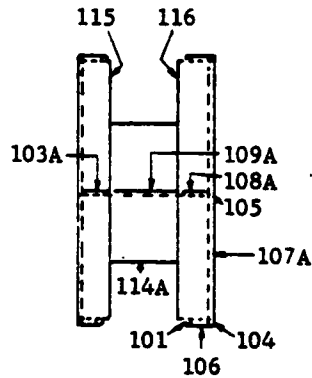
PARTS REQ'D FOR LIST 17					
LEGS		PANELS		TOPS	
LIST	RECD	LIST	RECD	LIST	RECD
101	2	106	1	114	1
102	1	107A	1	115	1
103A	1	108	1		
104	1	109	1		
105	1	110	1		

LIST 17



PARTS REQ'D FOR LIST 51					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	4	106	4	114A	2
102	2	107	2	115	2
103A	2	107A	2	116	2
104	3	108A	2		
105	1	109A	1		

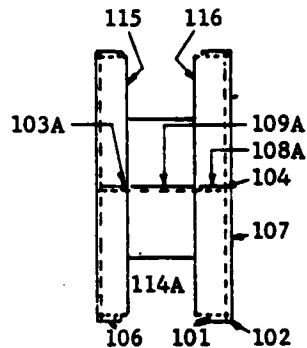
LIST 18



PARTS REQ'D FOR LIST 19					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101A	4	106	4	114A	2
103A	2	107A	2	115	2
104	2	108A	2	116	2
105	1	109A	1		

LIST 19 RP-0725C

FIGURE 28



PARTS REQ'D FOR LIST 20					
LEGS		PANELS		TOPS	
LIST	REQ'D	LIST	REQ'D	LIST	REQ'D
101	4	106	4	114A	2
102	2	107	2	115	2
103A	2	108A	2	116	2
104	1	109A	a		

LIST 20 RP-0725D

FIGURE 29

PLUG, BUTTON
LIST 21

RP-0725E

FIGURE 30

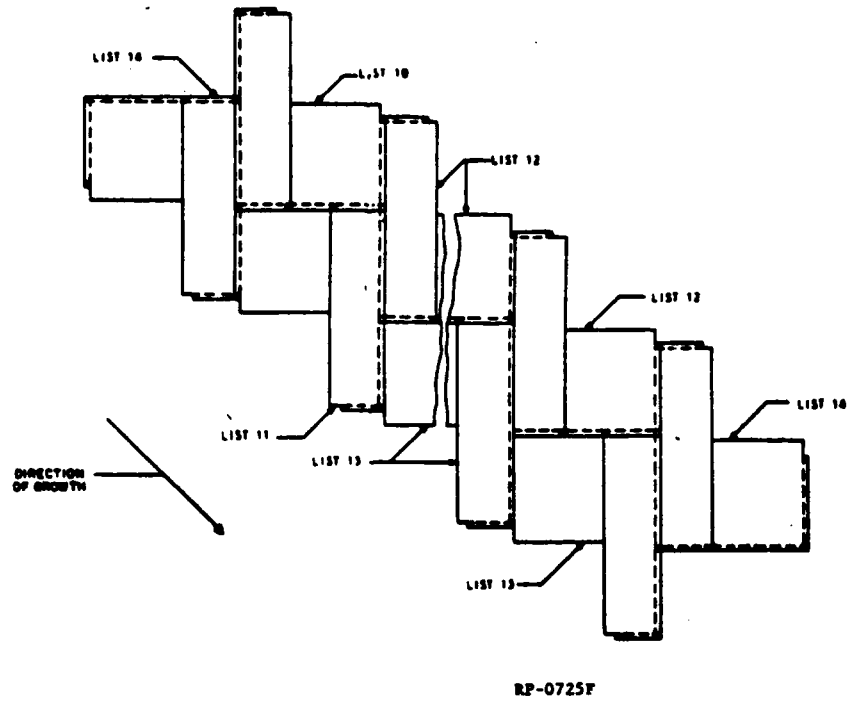


FIGURE 31
DIAGONAL LINEUP
(DOUBLE OVERLAP)

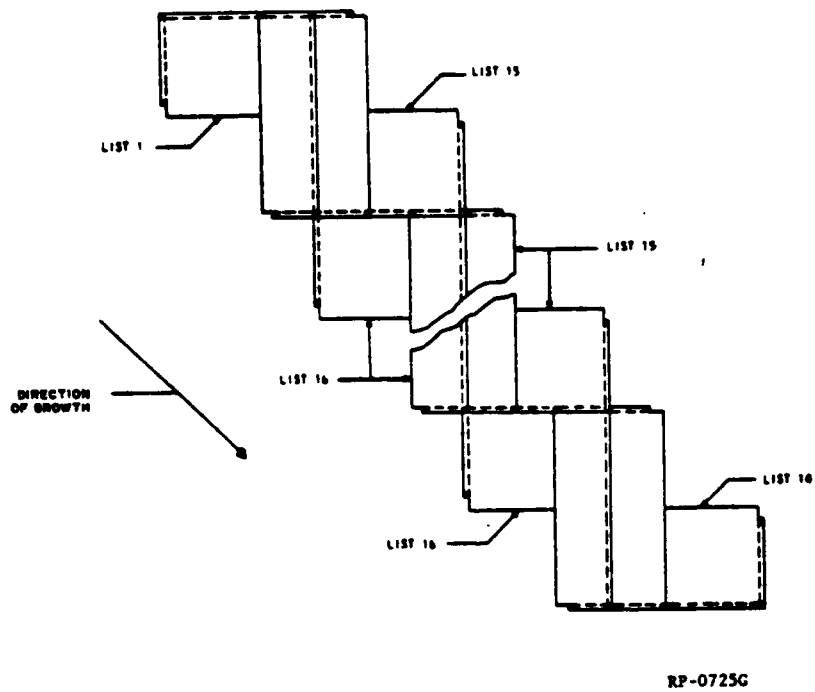
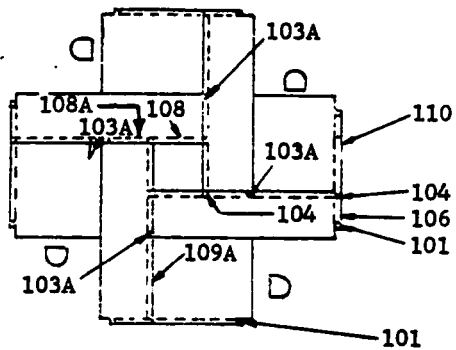
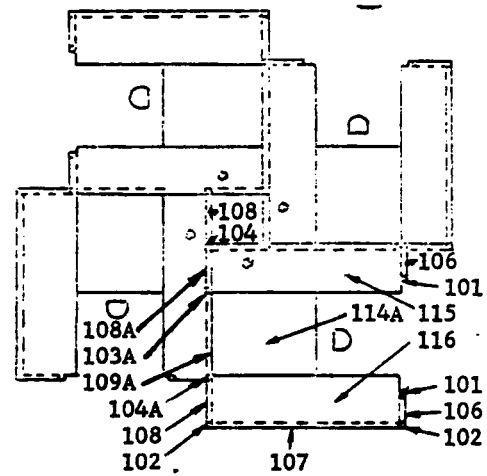


FIGURE 32
DIAGONAL LINEUP
(SINGLE OVERLAP)



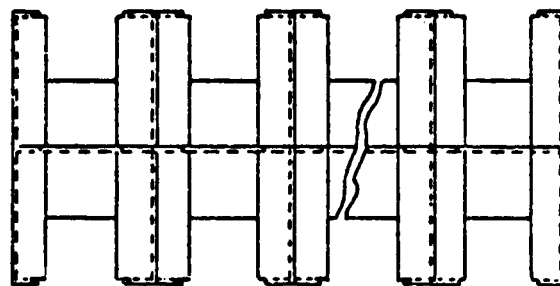
PARTS REC'D FOR LOT 49					
LEGS		PANELS		TOPS	
LIST	RECD	LIST	RECD	LIST	RECD
101	8	106	4	114	4
103A	4	108A	4	115	4
104	8	109A	4		
		110	4		
		108	4		

LIST 49



PARTS REC'D FOR LIST 50					
LEGS		PANELS		TOPS	
LIST	RECD	LIST	RECD	LIST	RECD
101	8	106	8	114A	4
102	8	107	4	115	4
103A	4	108	8	116	4
104	4	108A	4		
104A	4	109A	4		

LIST 50



— L18 — L19 — L19 — L20 —

STRAIGHT LINEUP BACK TO BACK 5C

13.2 Verification Chart

VERIFICATION ITEMS AND BRIEF STATEMENT OF REQUIREMENTS		REFERENCE	
		PAR. NO.	FIG. NO.
13.21	<u>Location of Equipment</u>		
13.211	Positions located in accordance with floor plan drawings. (d)	6.1	
13.22	<u>Vertical and Horizontal Alignments</u>		
13.221	Positions approximately level throughout line-up or as otherwise specified.	11.2	
13.222	Horizontal parts leveled.		
13.223	Upright parts vertical.		
13.224	No pronounced irregularities throughout a lineup.	11.1	
13.23	<u>Bolts, Nuts, and Screws</u>		
13.231	To meet following requirements:		
13.2311	Kind and size as specified and installed in all places requiring them.		
13.2312	Free from stripped threads and defaced heads.		
13.2313	Not burred.		
13.2314	Sufficient thread engagement and properly tightened.		
13.24	<u>Exposed Sharp Edges</u>		
13.241	Exposed sharp edges or corners removed or rounded.		

→ Indicates new or changed information

Engineering Planning Manager
Common Installation and Services

Reason for Reissue:
To make extensive changes.