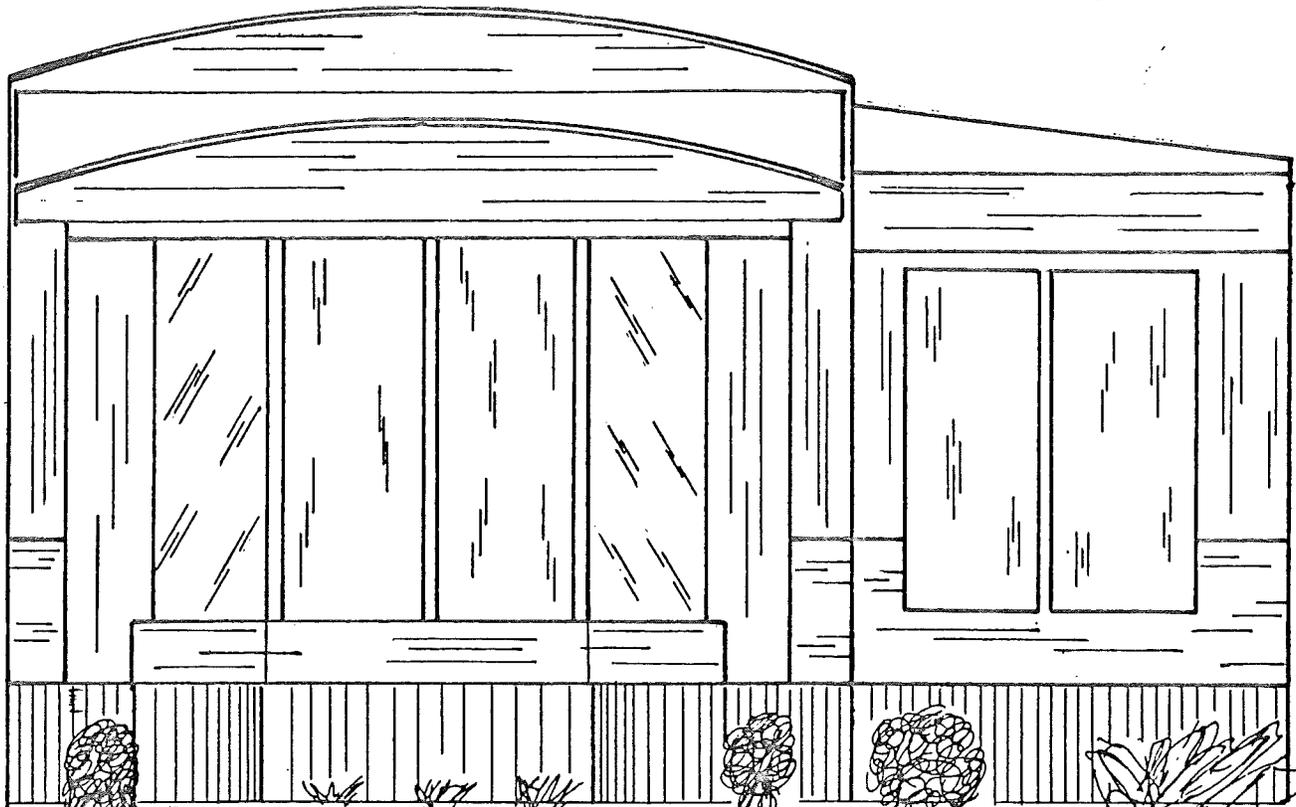


EXPANDO & ROLL OUT SET UP

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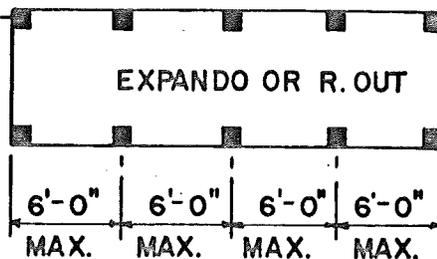
The home and expando room (roll-out) were designed as a unit; thus satisfactory performance of both is contingent upon correct set up procedure. Before attempting set up, thoroughly familiarize yourself with this manual.

THE HOME MUST BE IN ITS FINAL LEVEL POSITION WITH ALL PIER SUPPORTS AND TIE-DOWNS IN PLACE PRIOR TO ROLL-OUT INSTALLATION.

1. Install footings and piers below columns at each side of roll-out (see fig.1). Pier installation procedures are the same as for the main "I"-beams. DO NOT jack the columns, the main floor should already be in a level position at this point.
2. Place temporary piers to hold the floor in a level position when it is lowered.
3. Remove shipping supports and lower roll-out floor. BE SURE the shipping blocks under the hinged edge of the floor have been removed. CAUTION: THE FLOOR ASSEMBLY WEIGHS APPROXIMATELY 400 POUNDS. EXTREME CAUTION SHOULD BE EXERCISED IN LOWERING THE FLOOR - AND METHOD AND EQUIPMENT USED - SHOULD ABSOLUTELY AVOID WORKERS BEING IN A POSITION AT ANYTIME - WHERE THE FLOOR CAN INJURE THEM OR FALL ON THEM AS A CONSEQUENCE OF AN UNCONTROLLED DROP OF THE FLOOR. Do not allow outer edge of roll-out floors to drop lower than coach floor as this may spring the hinge.
4. Install the footings and piers at the roll-out floor's outer and inner edges (see fig. 1).

NOTE: PIERS MUST BE SIZED TO SUPPORT
A 5,000 lb. LOAD

FIG. 1



NOTE: USE THE SAME BLOCKING PROCEDURE FOR EXPANDOS AND ROLL OUTS

5. Level the floor by adjusting the height of the outer edge only; do not adjust the height of the floor at the junction to the main floor.
6. Pull roll-out room onto floor being careful to avoid scraping the walls against the main unit. With room in position, remove coaster wheels.
7. Square the room with the edges of the floor and nail wall bottom plate to the floor with two 16d nails, 16 inches on center. Attach metal straps to wall studs and floor joists with three 6d nails to stud and joist. The metal straps are to be located at every other stud (32" on center maximum) (see fig. 2).

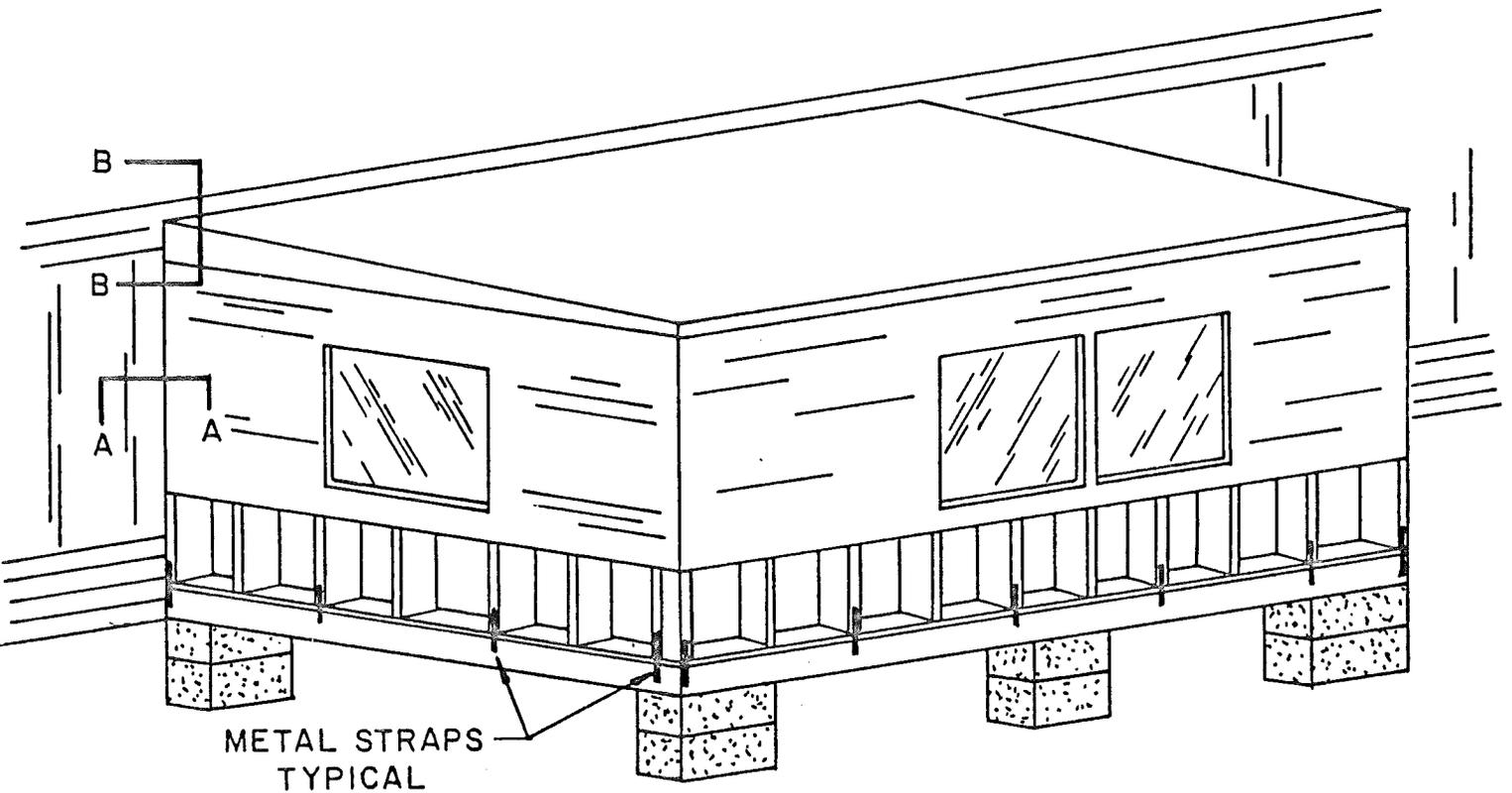


FIG. 2

8. Connect roll-out electrical circuit into main electrical system.
24' expando will have a connection on each end of the room (see fig. 3). CAUTION: Do not connect main unit electrical system to source until all roll-out connections have been made. Use following procedure:
 - A. Feed cable through metal cable protectors and into back of recept box in roll-out room wall. Be sure to support cable within 8" of box.
 - B. Remove recept from box and pull cable through. Cut cable to length, allowing 4" to extend from box.
 - C. Strip wires approximately 1/2" and connect them into the back of the recept being sure the black, white and bare conductors connect with the conductors of the same color to insure proper polarity. Push recept back into box and install cover.
9. Secure interior closing flange to main wall with 2½" #8 screws 8" on center. Cover flange with interior panel and trim (see fig. 4). For 24' expando see fig. no. 10.
10. Install provided insulation in the gap between the roll-out room and the coach wall as well as between the roll-out roof and the main unit beam.
11. Install the bottom closure metal and corner flashing. NOTE: It is vital that the flashing and caulking be applied properly to avoid leak problems (see fig's 5 & 6) (ref. fig. 2).

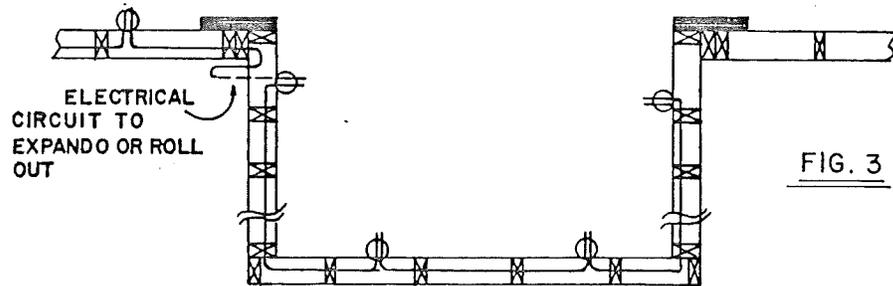


FIG. 3

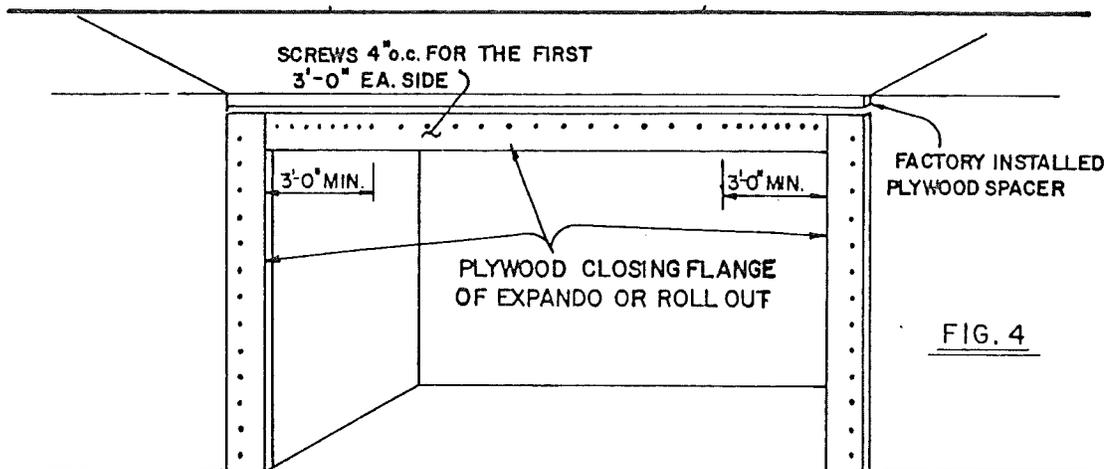


FIG. 4

DETAIL A-A

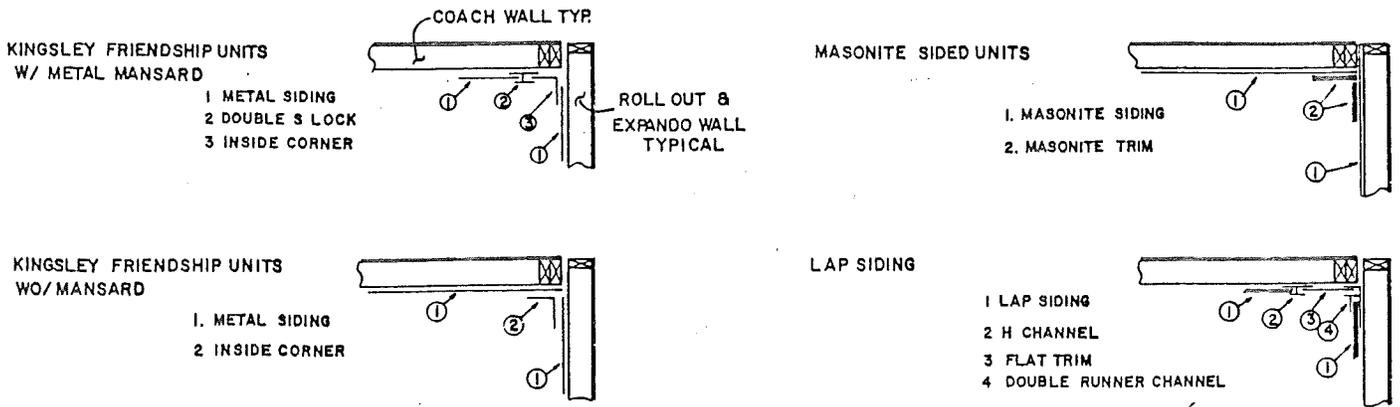


FIG. 5

DETAIL B-B

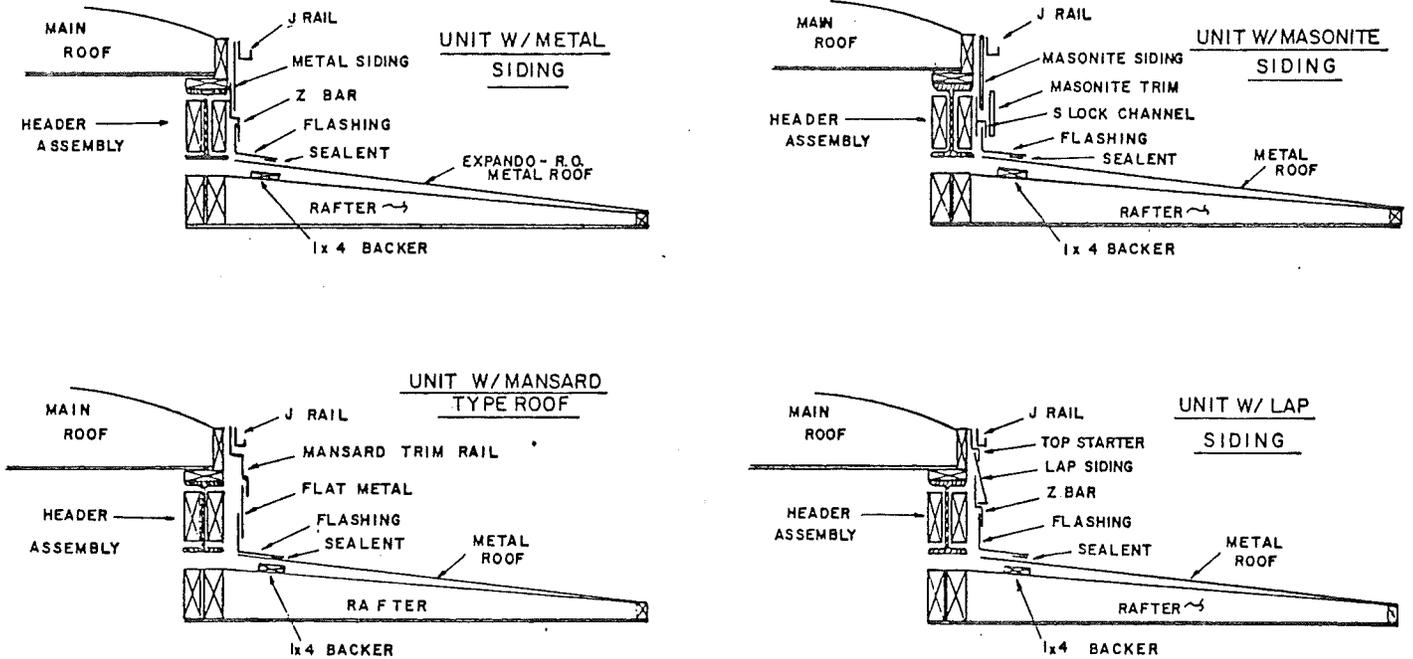


FIG. 6

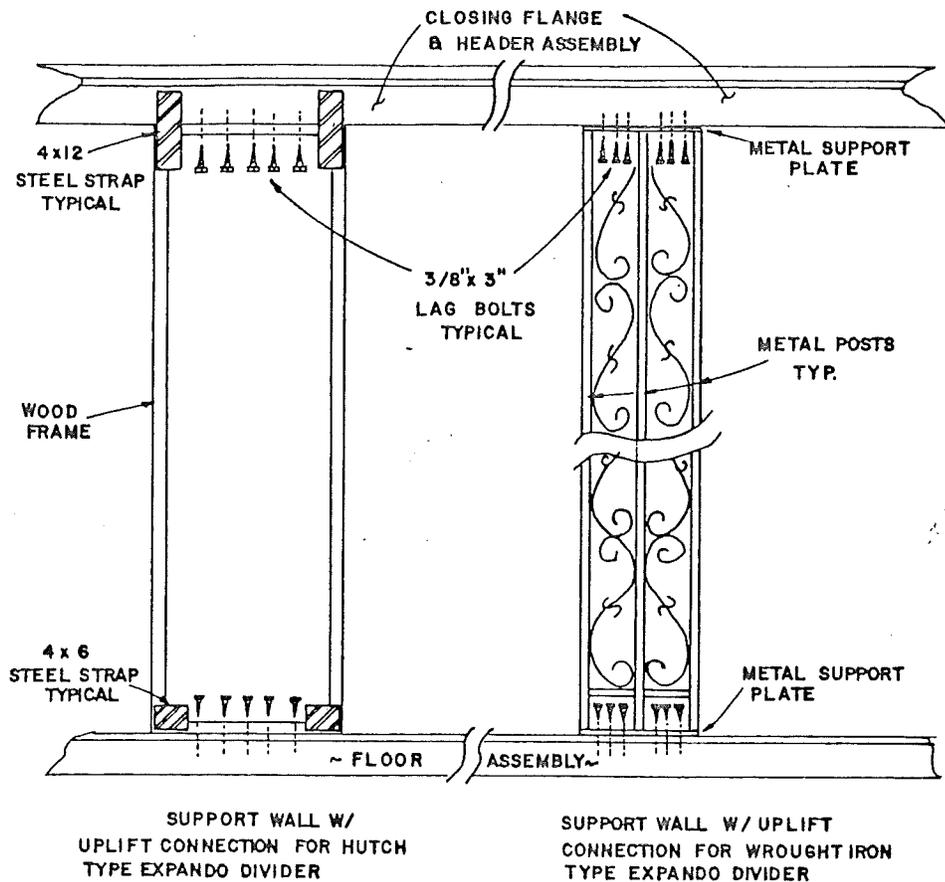
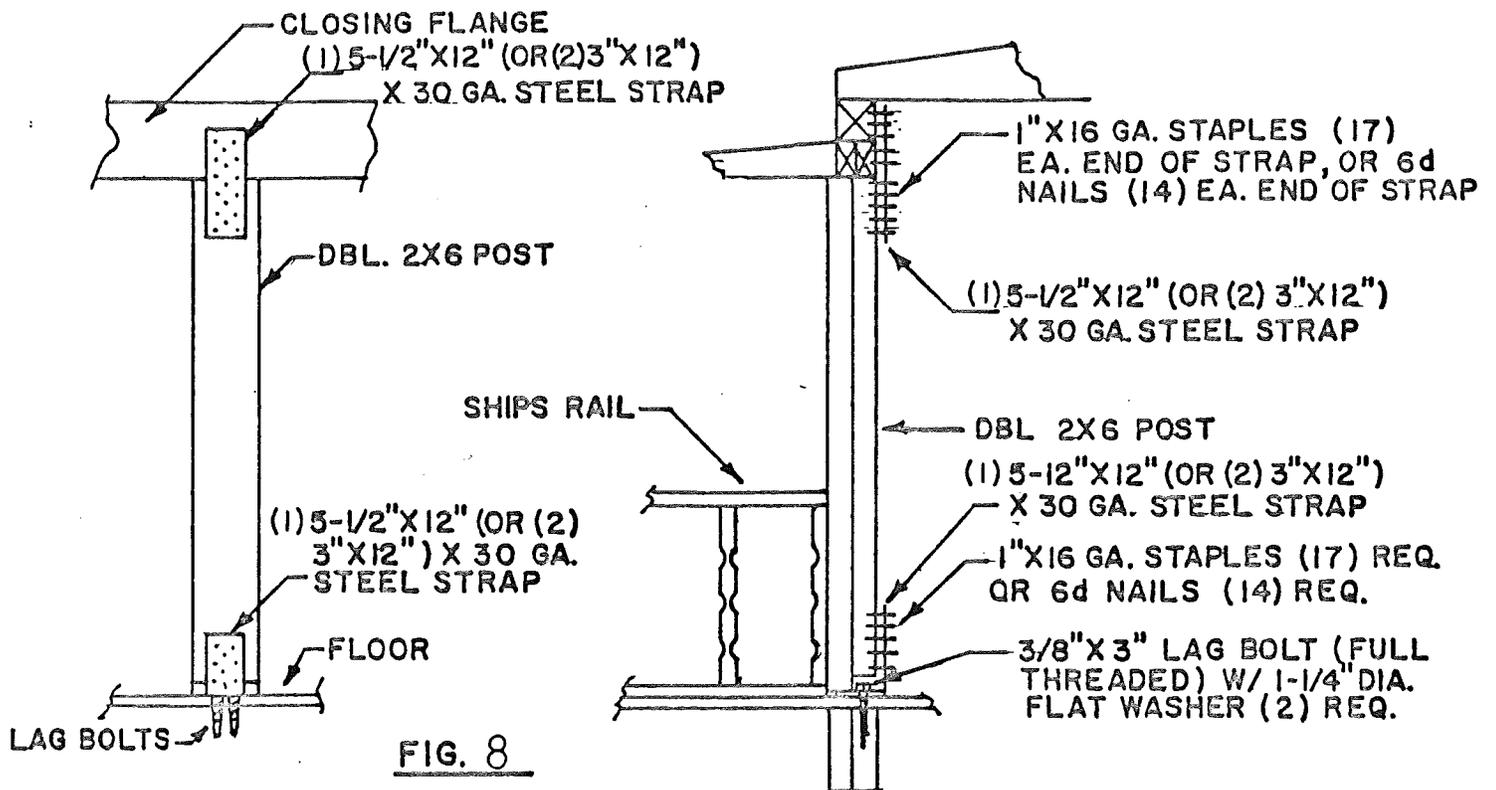


FIG.7

REQUIRED UPLIFT CONNECTION AT END OF HUTCH FOR 24'
EXPANDO ROOM

1. With expando room set, install a row of No. 8, 2½" screws all around the closing flange. (see site installed above)
2. Install five (5) 3/8" x 3" lag bolts into ceiling and the floor as indicated above.
3. Install the steel straps shown above with 7d nails, 10 on each side of the joint.
4. Install closing panel and trim out.

NOTE: 'T' SECTION OF METAL DIVIDER MUST BE SECURED PER NO. 2 ABOVE.



REQUIRED UP-LIFT CONNECTION FOR POST AT END OF SHIPS RAIL IN 24 FT. EXPANDO ROOM.

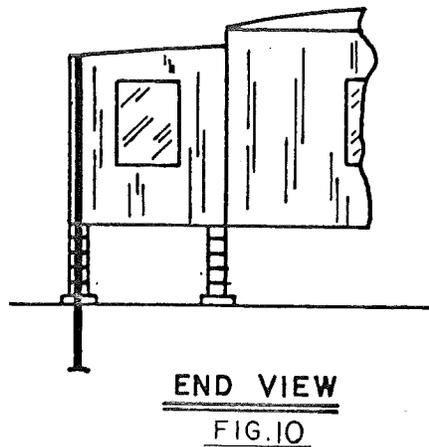
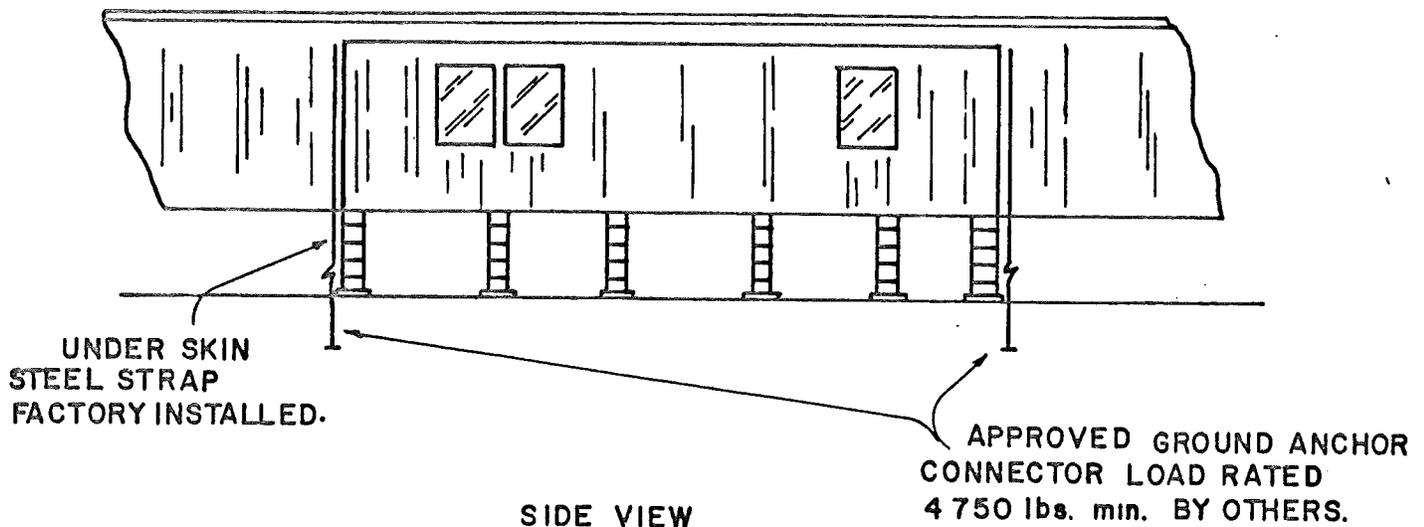
1. After Step 9 of expando set up instructions has been completed, make sure that the closing flange is tight against main wall.
 - a. Remove (2) 6" (tacked on) panels from double 2 x 6 post.
 - b. Place post in position at end of ships rail (when locating post use a piece of scrap panel at ships rail to properly locate post for uplift conn.)
 - c. Expando room ceiling may have to be jacked up to insert post.
 - d. With post in place, locate bottom steel uplift strap for installation.
 - e. Remove post and install strap to floor with (2) 3/8" x 3" lag bolts and 1 1/4" dia washers as shown in Fig. No. 12.
 - f. Install post in position, fasten closing flange to main wall with #8 x 2 1/2" screws 8" O.C. making sure ceiling of expando room is level (jack up ceiling if req.)
 - g. Fasten post to ceiling and floor (toe nail) with No. 8 x 3" screws.
 - h. Install top steel uplift strap on post and nail or staple fast, nail or staple bottom steel uplift strap fast as shown in Fig. No. 8.
 - i. Install finish panels on closing flange and post and trim.
2. Continue with Step 11 in set up manual.

TIE-DOWN INSTRUCTIONS

Tie down straps have been provided at the outside corners of the room (see figs 9 & 10).

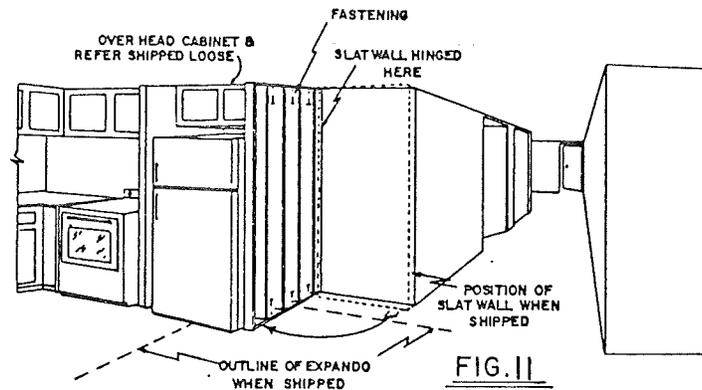
The ties should be installed according to the instructions for "Over the Roof Ties" found in the tie down section of the "Single Unit" Set-Up Instructions.

NOTE: IT IS IMPORTANT THAT THE MAIN UNIT AND THE ROOM BE BLOCKED IN THEIR FINAL RESTING POSITION AND THE MAIN UNIT SHOULD BE ALREADY TIED DOWN.

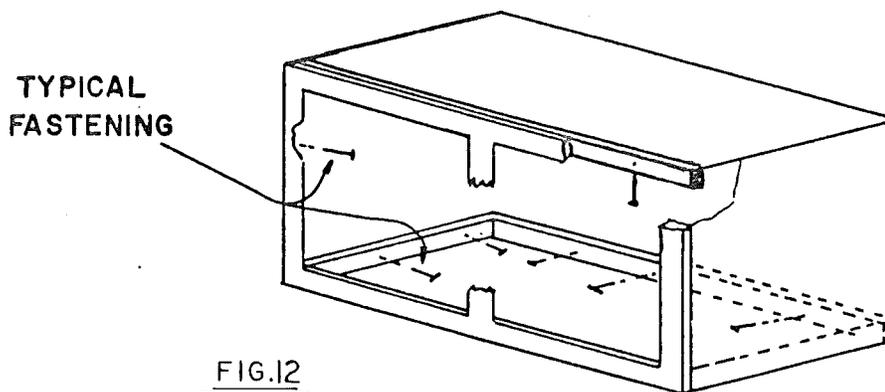


AFTER ROLL-OUT ROOM HAS BEEN MOVED INTO PLACE & SECURED:

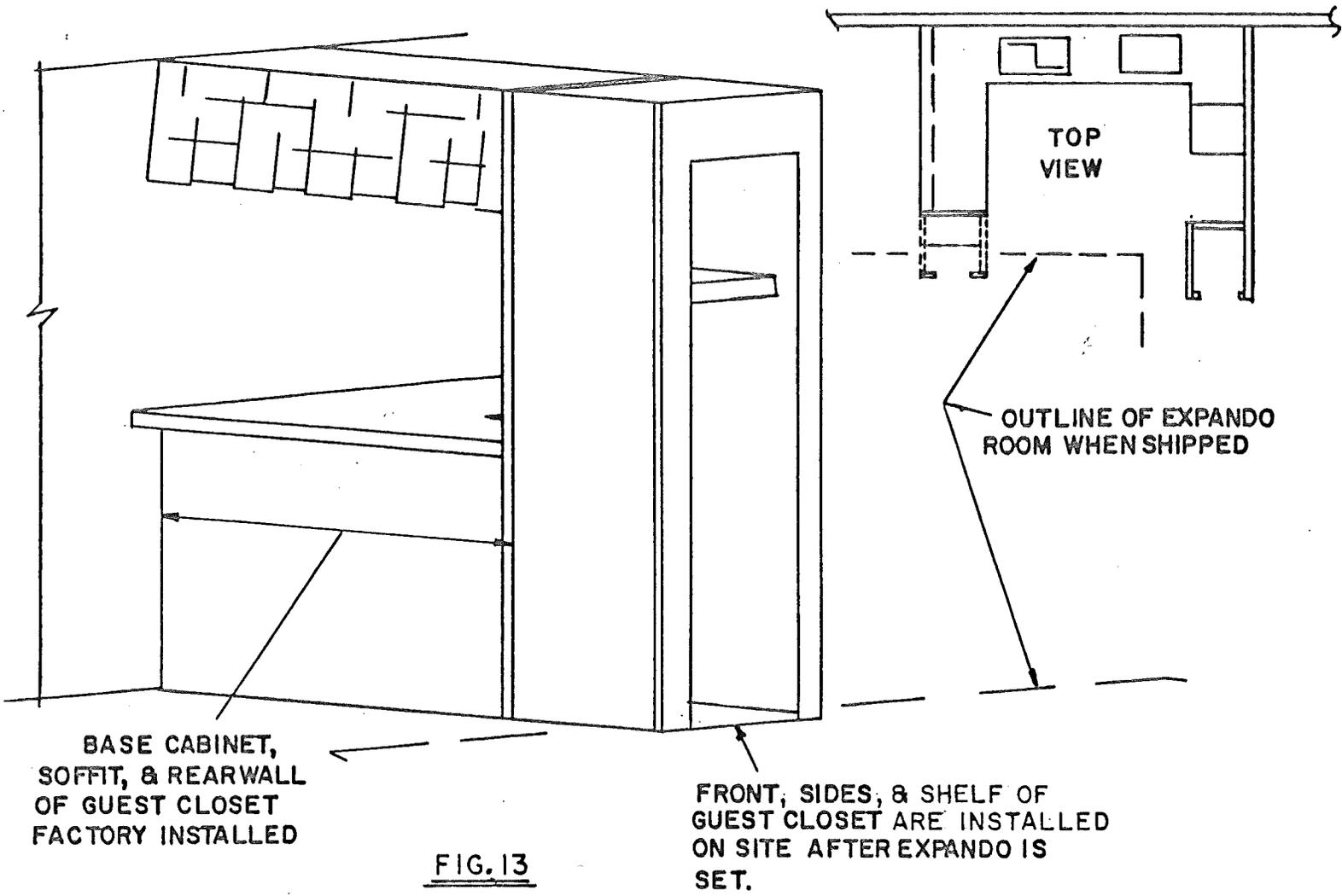
- (1) INSTALL OVERHEAD CABINET TIGHT TO REAR WALL & STUD WALL ON LEFT SIDE AND TO THE CEILING THROUGH THE CLEAT BEHIND THE CABINET FRONT.
- (2) PLUG-IN & POSITION REFRIGERATOR.
- (3) SWING HINGED SLATTED WALL INTO PLACE & SECURE WITH (3) #8 x 2½" FLAT HEAD SCREWS IN BOTH TOP & BOTTOM OF WALL.



INSTALL OVERHEAD CABINET TIGHT TO REAR WALL & SECURE WITH (6) #8 x 2½" COPPER WASHERHEAD SCREWS AS SHOWN.



CERTAIN KITCHENS REQUIRE CABINET INSTALLATIONS AFTER THE ROOM HAS BEEN MOVED INTO PLACE AND SECURED. FOR UNITS HAVING THE HINGED SLATWALL, REFER TO FIGURES #11 AND 12 ABOVE AND CORRESPONDING INSTRUCTIONS. FOR UNITS HAVING A PANTRY OR GUEST CLOSET AT THE END OF THE BAR EXTENSION, REFER TO FIGURE #13, PAGE 9, AND CORRESPONDING INSTRUCTIONS. FOR UNITS HAVING A MICROWAVE CENTER AT THE END OF THE BAR EXTENSION, REFER TO FIGURE 14 AND CORRESPONDING INSTRUCTIONS, PAGE 10.



1. PLACE THE SIDE PANELS AGAINST THE REAR PANEL AND STAPLE IN PLACE ALONG THE SIDE TABS.
2. POSITION THE SHELF BETWEEN THE SIDE PANELS AND STAPLE IN PLACE THROUGH THE SIDE PANELS.
3. POSITION THE FRONT PANEL AGAINST THE SIDE PANELS AND STAPLE IN PLACE ALONG THE SIDE TABS.
4. SQUARE THE CABINET AND INSTALL 4 ea. No. 8x2 1/2" SCREWS THROUGH THE CLEATS INTO THE CEILING AND FLOOR.
5. INSTALL DOORS AND TRIM AS NEEDED.

INSTALLATION OF MICROWAVE/STEREO CABINET

1. INSTALL UPPER CABINET ON MICROCENTER BASE AND SCREW INTO PLACE WITH No. 8x2 1/2" SCREWS AS NEEDED.
2. INSTALL ELECTRICAL OUTLET AND BOX IN REAR PANEL AND FASTEN PANEL IN PLACE.
3. FASTEN SIDE PANEL IN PLACE.

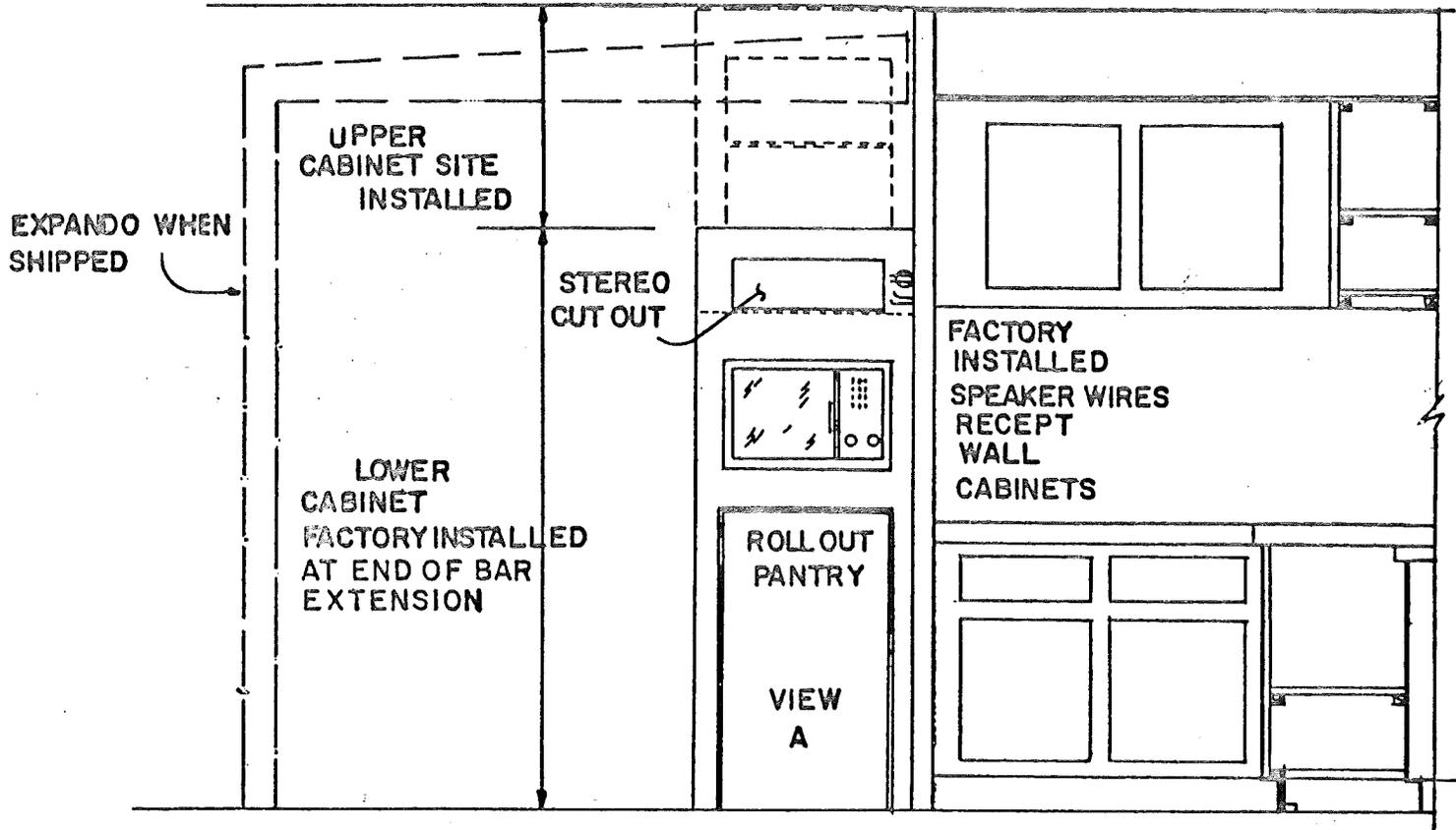


FIG. 14

