

## ASSEMBLY AND INSTALLATION SPA DOME BASE

The base is simple to build in your own workshop. You will need a portable electric saw, tape measure and a framing square. A good sharp hand saw can also be used if an electric saw is not available.

The selection of lumber is optional. Redwood, cedar, Cypress, or red fir are perhaps best suited to use for the wall, as it is in direct contact with the soil. Any serviceable grade 2x4 can be used for the seat. It is best to seek the advice of your local lumber dealer.

**A GOOD GRADE OF LATEX PAINT IS ALL THAT IS NECESSARY TO PRESERVE THE WOOD BASE.**

**WARNING!** Do not use creosote or any petroleum based products to coat lumber base.

Below is a diagram giving the information you need to cut the correct lengths and angles for your size base. To avoid error, circle the set of numbers that is correct for your base before measuring or cutting lumber.

DIAMETER	2X8 WALL "A"	2X4 SEAT "B"	# REQ'D	DEGREE ANG. CUT
9'	41"	41 1/2"	8 each	22 1/2
12'	54 1/2"	55 1/8"	8 each	22 1/2
15'	47 1/2"	47 3/4"	12 each	15

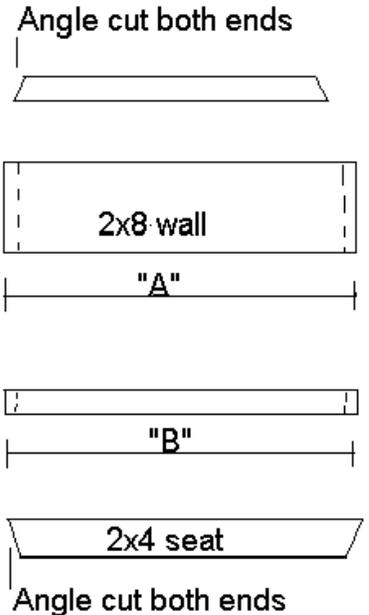


Figure 2

### STEP 1. Base Assembly

Align the 2x4 seat above the 2x8 wall, fig. 3. The seat will overhang the wall by appx. 3/4". Make sure all ends are flush. Use three 16 D galvanized nails (furnished) to fasten the seat to the wall. One in the center of the seat and the other two about 3" from the end.

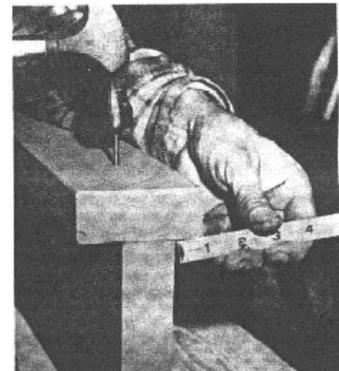


Fig. 3

## STEP 2. BASE LAYOUT

Drive a wood stake in the center of the area, fig. 4. Using a small nail in the top of this stake, hook the end of a steel tape measure over the nail for consistent accuracy in measuring. Place the first base section so that each seat end measures exactly the same distance from the center stake. For the 12' base, the measurement from the center stake to the outside end edge of the seat is 6'0". For the 15' base, this measurement is 7'8-3/4". Place the second section against the first and join the Sections with the seat joiner,

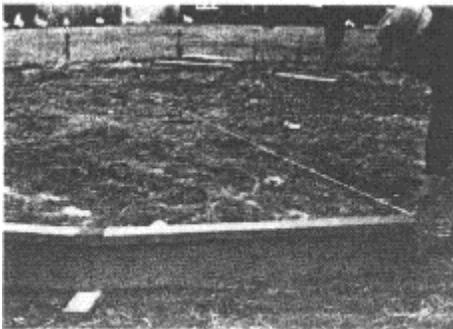


Fig. 4

## STEP 3.

the mounting bracket, and the wall joiner. See fig. 5. Use six, 1-1/2" pan head screws to fasten the seat joiner and six, 3/4" pan head screws to fasten the wall joiner. The mounting bracket is held down by the seat joiner.

Continue adding base sections in the manner explained For the second section. Check and recheck measurements as you go. Make sure the wood joints are tight. You may have to shim or dig some dirt, as the case may require, for a good, close joint. A level is not a necessary tool since it is assumed the base will not be level, but rather on a slight slope.



Fig. 5

## STEP 4. Recheck Base Measurements

After the entire base has been installed, recheck all measurements as in fig. 4 to make sure the base is perfectly (within 1/2") symmetrical. This is most important because the upper structure will not fit properly unless accuracy is maintained in base structure.

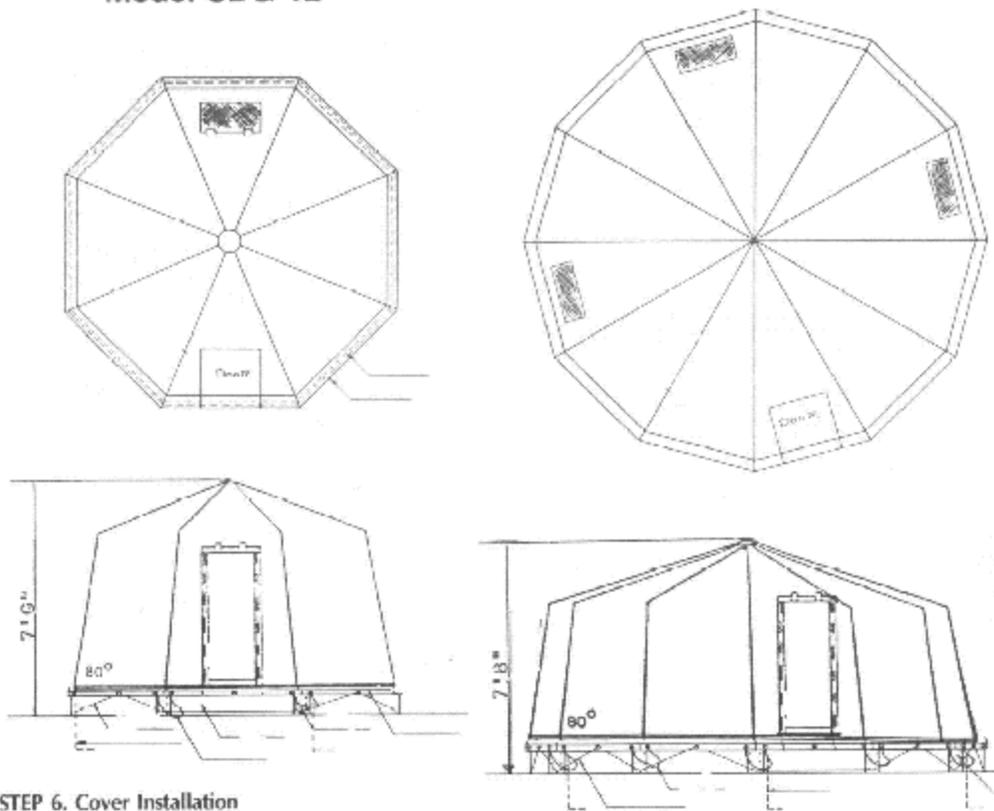
## STEP 5. Aluminum Frame Assembly

Assemble all rafter sections. See fig. 8 and 9. Assemble the entire framework by beginning as shown in fig. 9. Continue to add rafters until all are in place. After all rafters are in place, check underneath side of the spider. All rafters should touch the

solid ring of the spider. If they do not, first check to make sure all rafters are seated completely in the mounting brackets. Then make sure all tube joints are tight. If these connections are O.K., then recheck measurements from the center ground stake that you originally used to set up the base. If these measurements are equal in length, the rafters will perfectly. Final minor adjustments are made by simply moving the base inwardly or outwardly to seat rafters to spider ring.

**Model SDG 9  
and  
Model SDG 12**

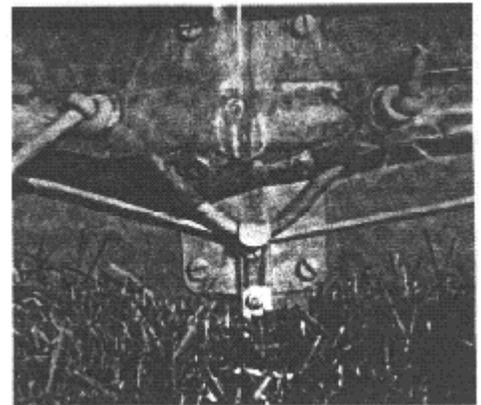
**Model SDG 15**



**STEP 6. Cover Installation**

Lay out the vinyl cover on one side of the area, preferably the downwind side. Determine where you want the door opening. Make sure the window screen cloth is on the inside of the cover. Then with two people, slide the covering up and over the rafters. If you laid the vinyl out on the downwind side of the area, you will be sliding the cover into the wind on installation. The wind can greatly assist you as it will tend to lift the cover and make the installation very easy. Do not attempt to install the cover during extreme winds unless you have at least four people to help.

When the cover has been positioned, check the center at the spider. Make sure all seams fall directly over the rafters. When the cover is perfectly in place, install one shock cord, at each wall joiner. See fig. 6. Apply shock cords in a manner that tension will be uniform—that is, after applying the first cord, go around to the opposite side and apply the second cord. Continue this procedure until all cords are in place. There should be a firm tension on all cords.



**Figure 6**

### STEP 7. Tie Down

The final tension line is applied as illustrated in fig. 6. Care must be taken not to pull the line through the grommet holes too quickly. Friction on the grommet creates a great deal of heat and can cut right through the plastic hem. Your Spa Dome is now ready for use.

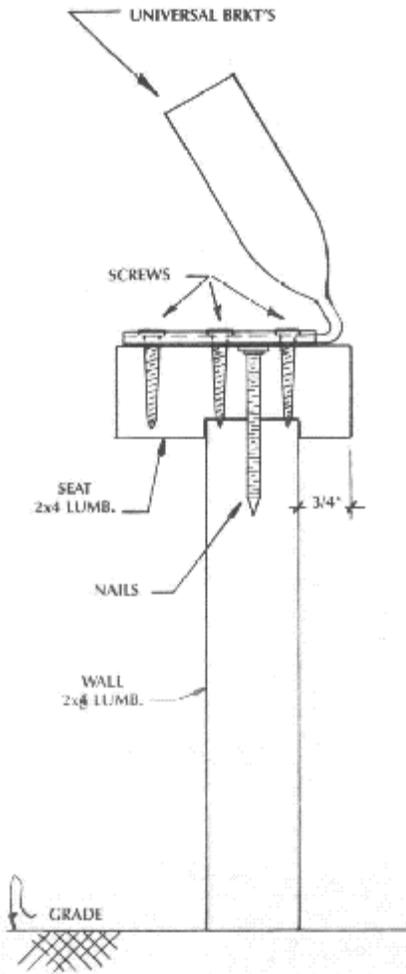
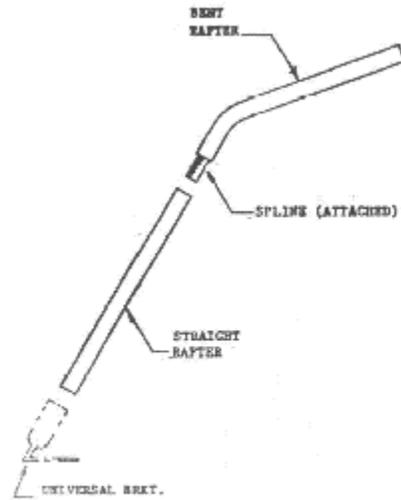


Fig. 7  
(ALL MODELS)



(9' MODEL)



Figure 9