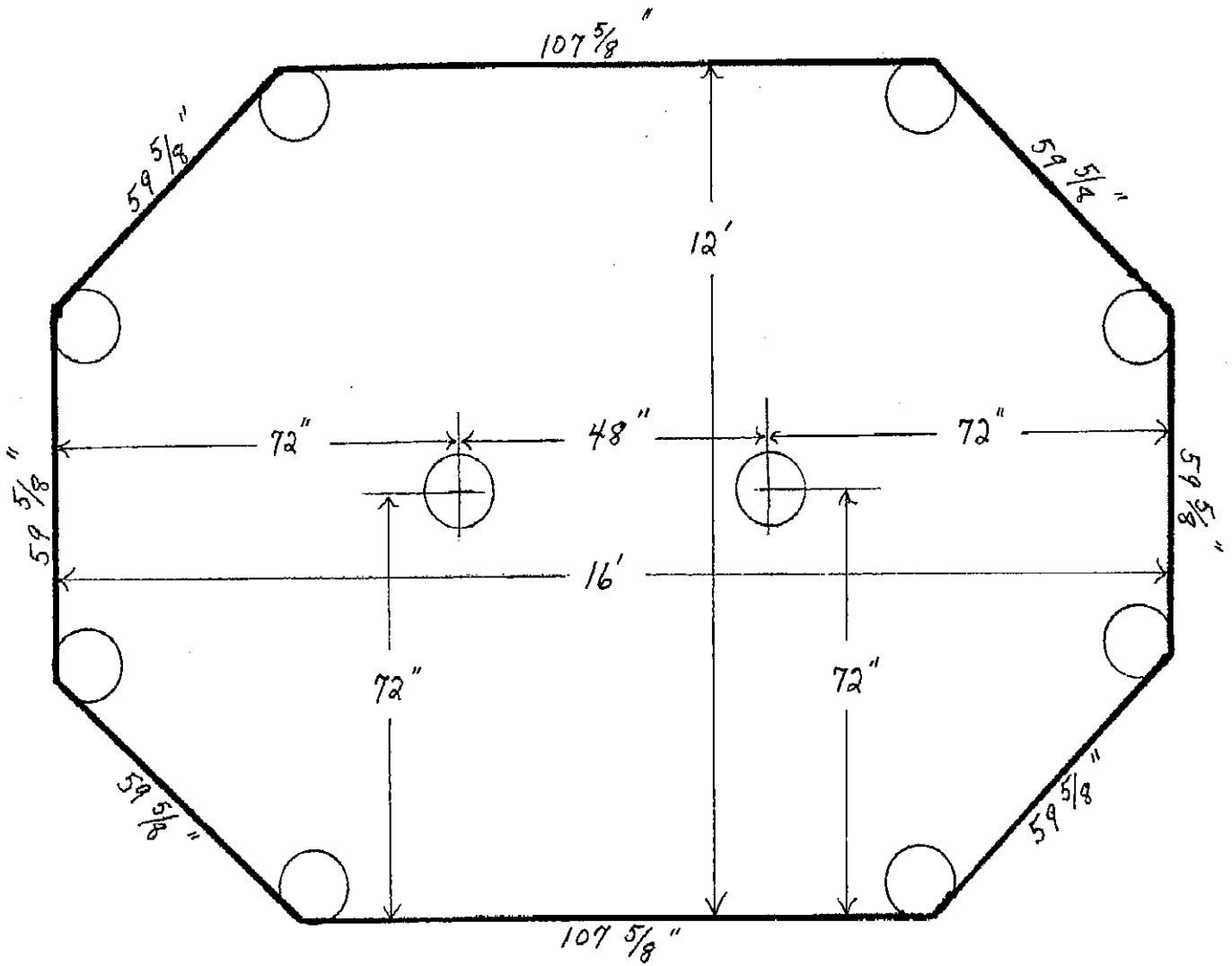
12 X 16 OVAL Foundation Drawing

recommended use of 12" Dia. Sauna-Tube forms.

Measurments given around outside is exactly The Floor size.



One way of squareing The foundation is To cut 2X4's for a complete circle Those need To be cut at 22½ deg. both ends, and The Length of 2X4's on Short side should be exactly The same as outside Measurments on drawing.

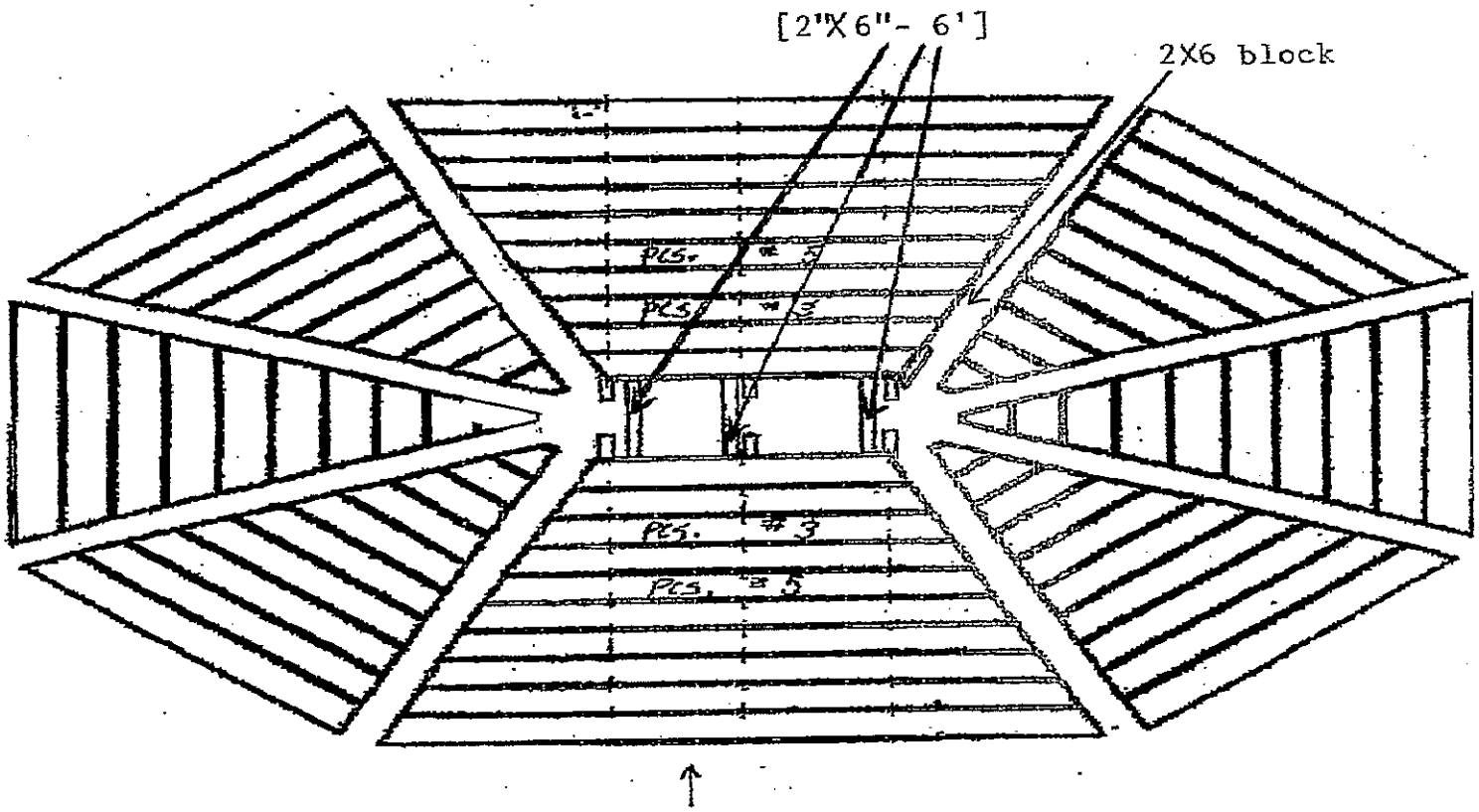
Now fasten all end To end and Place The (2) OVAL side's 12' apart in position you

Step (1) Lay all 8 pcs. of floor in a circle on a prepared spot. Next fasten one of the 2X6 blocks to the narrow end of one the oval side sections, leaving it out approx. 1¼" beyond the last floor board for the floor center to set on, use 3, 3" screws to fasten these blocks.

Step (2) Bring a little floor section snug to sec. #1 and even them up on the outside rim joist and fasten rim w/ 3, 3" screws. Assemble the whole floor in clockwise manner. The last sec. will have to be forced in by using a wood block and a large hammer. PLEASE NOTE: To lag the last sec. screw out the second floor board and lag from one joist to the other.You will find this is NOT predrilled and doesn't have to be.

Step (3) After all sections are together then take up floorboards #3 and #5 of each OVAL SIDE (see sketch below). Thru these openings you will be able to fasten the 2X6's, 6' long. These should be centered from one oval side to the other and fastened to the floor joists, using 10, 3" screws per 2X6 .

Step (4) After all is secured , then level your floor, also we recommend a center support in 2 places on an oval floor as well as under each outside corner. After floor is level, then fill in all the floorboards.



OVAL SIDE SECTION

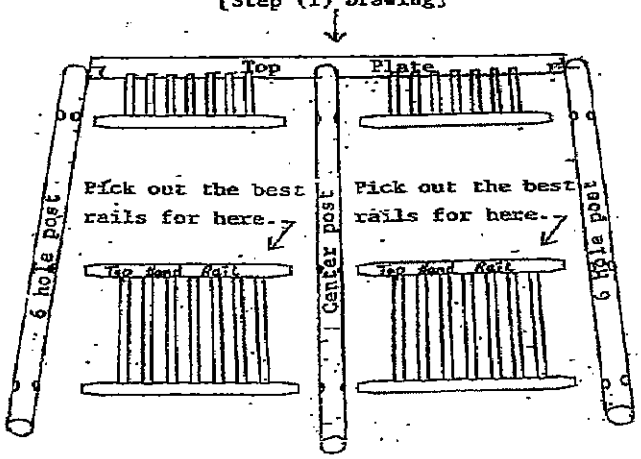
Step (1) Start w/ the back oval side (opposite of the doorway), find the post marked "CENTER POST" place it in the middle and a 6 hole post on each back corner. Look for two rail sections w/ a blue slash on ends, these are for the oval side , as well as the blue slashed rails that have short spindles; These are for top-part. Use the topPlate w/ holes that fit the short spindles and assemble the whole 2 sections into one and stand it on end. Then work your way around to the doorway on iether side by adding your rail sections and posts.

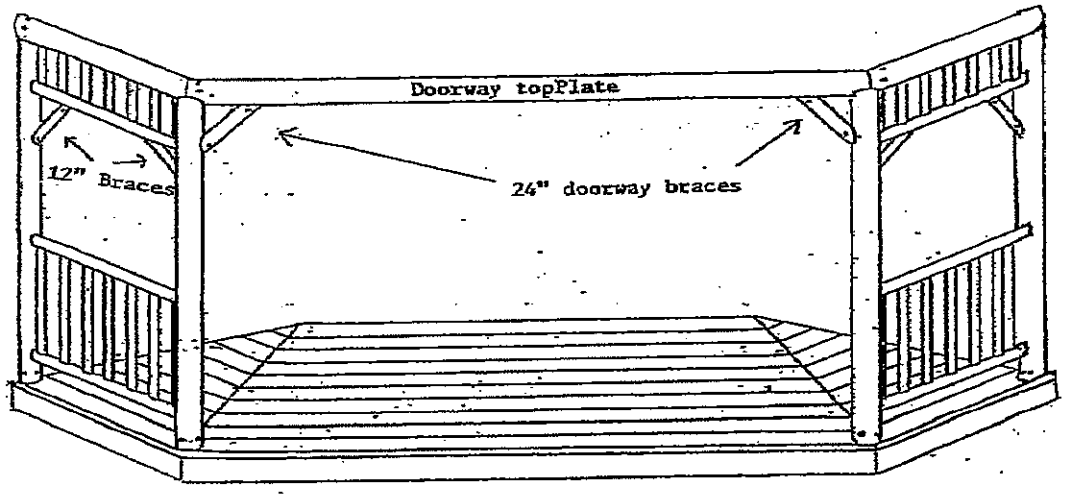
Step (2) First lag together topPlates thru predrilled holes w/ 6" lags & washers. Then lag thru topPlate into post tops, AFTER ITS POSITIONED PROPERLY. You will find doorway topPlate has no spindles but is still predrilled to fasten w/ lags same as other topPlate sections.

Step (3) By using a rubber hammer position each post base w/ a sharp eye and fasteen w/ 2, 6" timber screws, making sure you hit a floor joist. (Base of posts NOT predrilled.)

Step (4) Fasten 24" doorway braces w/ 6" lags & washers, and fasten 12" braces w/ 3" screws.

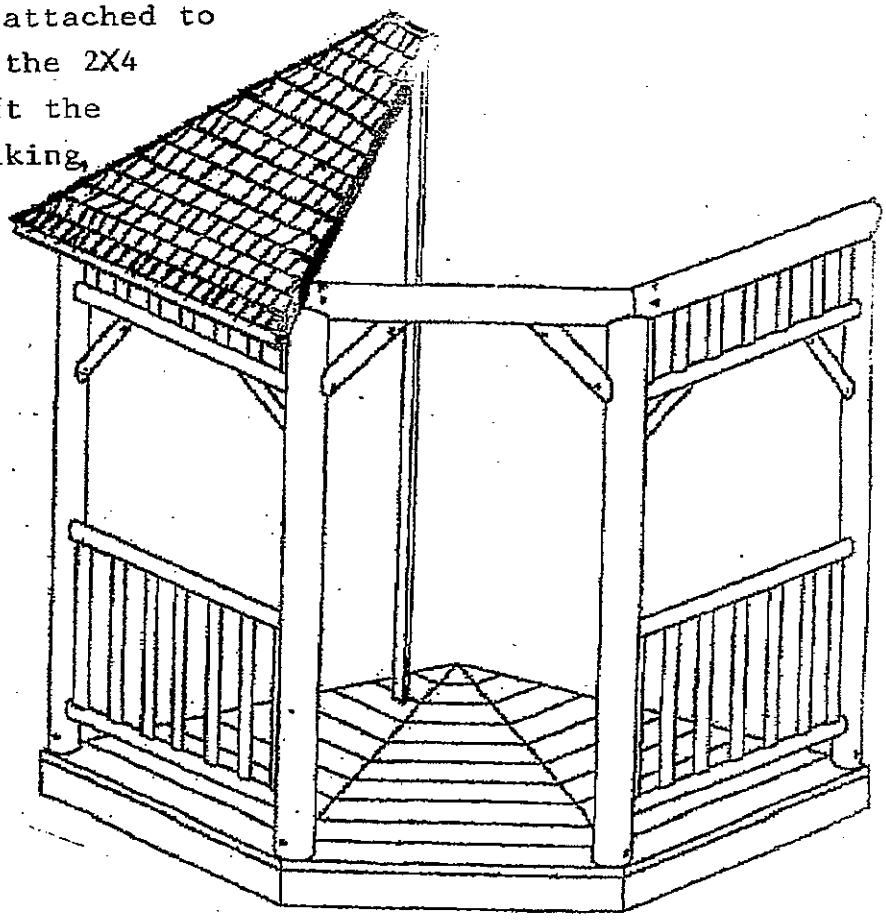
[Step (1) Drawing]





Step (1) Place an 8' stepladder inside and a 6' stepladder outside. Bring up one of the bigger roof sections and place it as shown in the sketch below. Make sure that both sides of roof sec. (rafters) are even w/ the splices of where the top-Plates come together and place a 10', 2X4 (as a center support) on the underside of roof sec. between rafters. To get the proper degree of roof will vary from one to the next but in most cases the 2X4 will NOT be strait upright. After rafters and topPlate splices line up, and proper roof degree achieved, then lag thru topPlate into the roof center rafters w/ 2, 6" lags and washers.

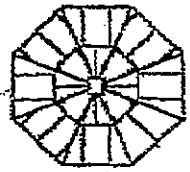
Step (2) All rafters are numbered, roof must be assembled by bringing matching numbers together. Where two roofs join please use approx. 5, 2" screws scattered along and 1 timber screw 4" long (stardrive). This timber screw should placed thru the rafters in the overhang of the Gazebo, next to the fasha board. To get things to fit better you may need to raise or lower your center support at halfway point, or to get the last section to fit. Not all roof sections have to be lagged as you go, only the first section and maybe the third one, and these lags will probably have to be backed out after all the roof sections are attached to each other. Then take out the 2X4 support and use it to shift the whole roof dome to your liking, and put in all 10 lags.

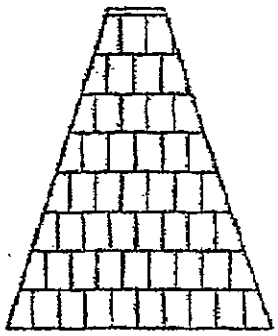


Step (1) After roof is all lagged down... carefully set cupola on top and fasten w/ a min. of 8, 3" screws.

Step (2) (CAPS) You will find two different lengths of caps , the 8½" are used as a starter on bottom of each ridge and 8½" to finish on top of each ridge , next to the cupola base. And the 10" caps are for inbetween. Always start on bottom and work your way up to cupola base. We recommend a 2" long staple to fasten caps in the manner of the sketch shown below. (To take the place of staples, nails are an option, but be careful, nails could split the cap.)

Pre-assembled top





Top side of roof section