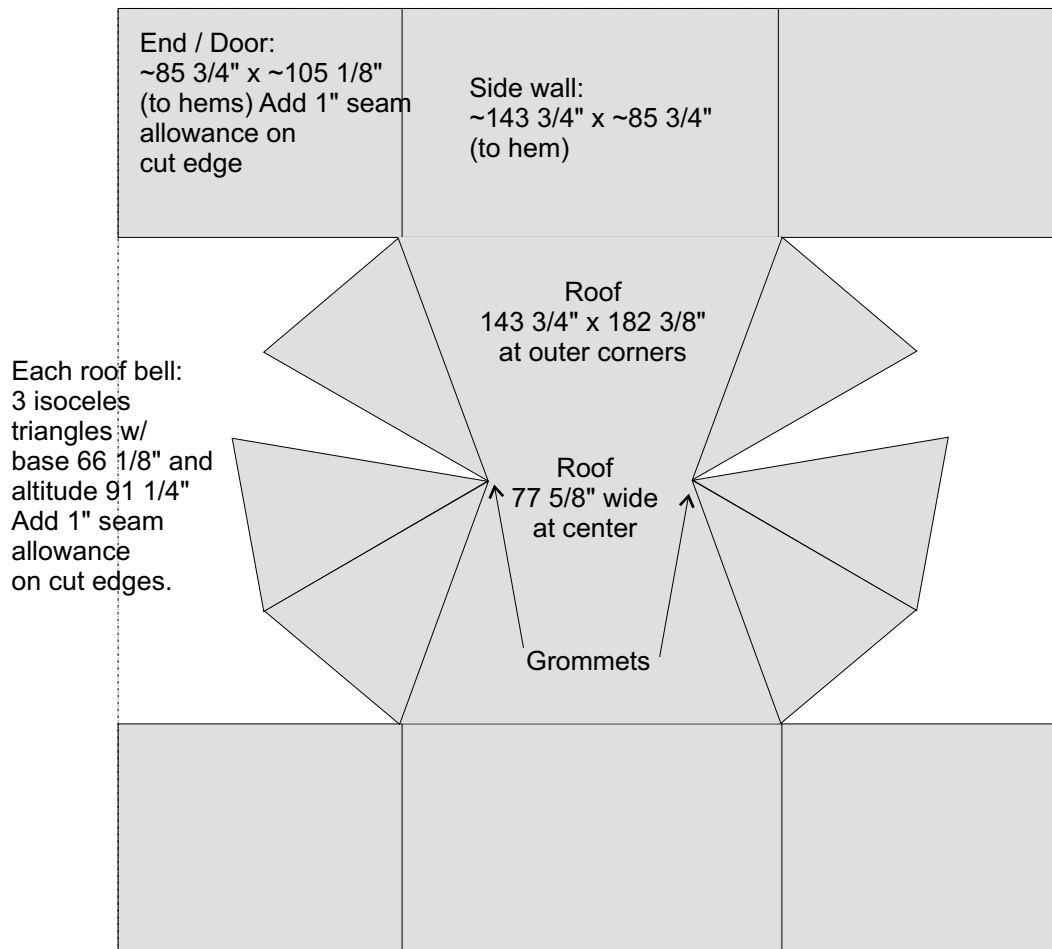


One Piece Pavilion

Long Octagon With Vertical Sides

11.7' x 18.2' finished size (204.6 sq. Ft.)
Cut from a 30' x 30' Tarp



Cut the entire pavilion from a single 30' x 30' tarp w/ rope edge & grommets. Use a heavy-duty white poly tarp. I recommend spending a little extra for a fire retardant tarp. A crayon will write on the tarp, unlike pens and pencils. Note that the actual dimensions of tarps vary. The figures assume a 3" hem all around. Adjust the pole height if needed.

Set grommets at the top of the roof dart. Use sewing pins to form French seams. Sew up the dart in the roof.

Re-use grommets from the trimmings as attachments for the roof guy lines. Pin them in at the corners of the roof bells. The end/door pieces are left long so they can overlap. Form more French seams, and sew the top edges of the end/door sections to the roof bells. Leave the ends open to make doors.

Reinforce and decorate the ridge, hip, and diagonals with a contrasting color of tape (e.g., red stripes on white). Add other stripes to taste. Note that most tapes will not stick well to polyethylene.

Use two 12' hardwood poles with a steel ridge cable inside and storm guys outside. The taut cable relieves strain on the fabric of the roof. "Curtain rods" over the door panels hang mosquito netting, and prevent roof sag.

The tops of the poles have double-ended "hanger bolts" that pass through the grommets in the roof. Bolt on finials with o-rings to seal around the holes. A wooden finial can use a hammer-in "T-nut" reinforced with epoxy to screw on to the hanger bolt. A tall finial may double as a flag pole for banners. If you bore the bottoms of the poles, they can slide over lengths of steel rod driven into the ground. This will keep the feet from walking.

Use four roof guy lines on each end, for a total of eight. Also use two storm guys from the top of each pole. Storm guys should spread wide enough to avoid lying on the roof.