

# RHOMBI YURT

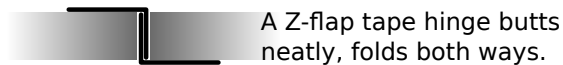
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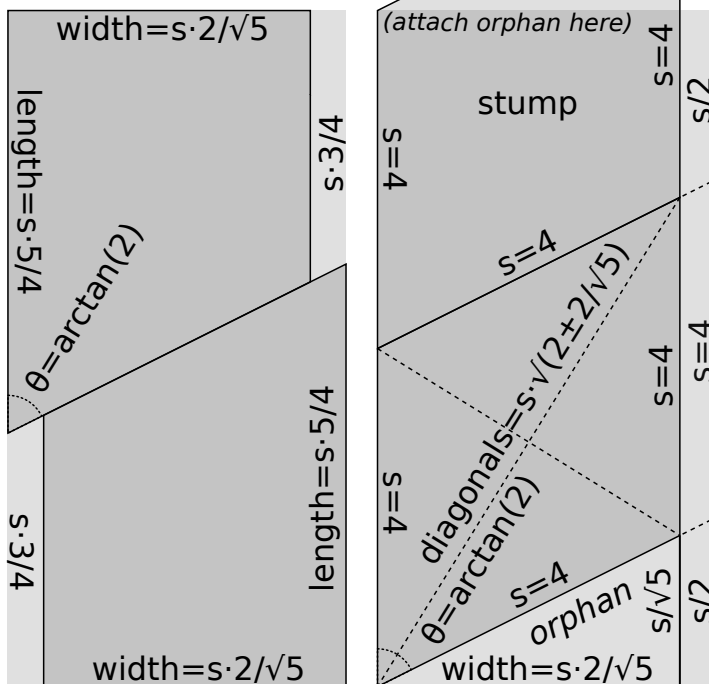
The rhombi yurt is a diamond-panel dome based on the Rhombic Triacontahedron. Ten 4'x8' panels yield  $>123'$  of floor space (fits 3 twin mattresses) and ample headroom in a  $\sim 13'$  diameter footprint. It ships as a neatly folded single piece. To make one:

1. CUT: along solid lines to make 5 of each pattern. Attach orphans to stumps to complete upper diamonds. Seal all edges with foil tape.

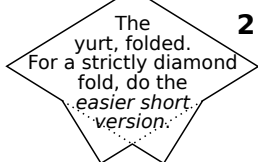
OPTIONAL: Bevel all edges by 18 degrees for mitre joints (NOTE: *Every other wall panel is flipped; bevel accordingly.*)



2. JOIN: Number panel corners as in diagram. Hinge the lettered joints, alternating between tight interior hinges (dashes) and Z-flap hinges (dots) or tight exterior hinges if beveled. Accordion-fold into a neat stack.



2 of 10 wall trapezoids    2 of 10 roof diamonds



Easier, 1' shorter version: Just cut 10 of this pattern; use stumps as walls.

3. ERECT: Unfold from #20, ease walls upright with roof diamonds left outside circle, tape roof seam, flip roof onto walls, tape all seams.

4. SECURE: Attach tie-downs to sturdy tape loops on star corners or to a 28' circumference rope "halo".

