

Octagonal Dining Table Plans

Materials Needed:

- 1 – 8 foot sheet of hardwood plywood
- 1 – 4 x 4 x 27 ½ board
- 4 – 1 x 4 x 12 inch boards
- 2 – ¾ x 8 foot decorative moulding
- 1 roll of edge banding tape (optional)
- Sand paper
- 1 inch wood finish screws
- 3 – 3 inch wood screws
- 9 – 2 inch wood screws
- Finish nails
- Wood stain (optional)
- Clear polyurethane sealer

Tools Needed:

- Skill saw
- Miter saw
- Iron (if applying edge banding tape)
- Measuring tape
- Pencil

3D View Instructions (on the last page of this document)

In the left panel is a Model Tree. Items in the tree can be toggled off and on by checking and unchecking the boxes next to each section.

The 3D model can be rotated by left clicking your mouse and dragging to rotate.

When hovering your mouse over the page with the model on it a top menu will appear offering more options for viewing the model.

Safety

Always apply polyurethane sealer in a well-ventilated area.

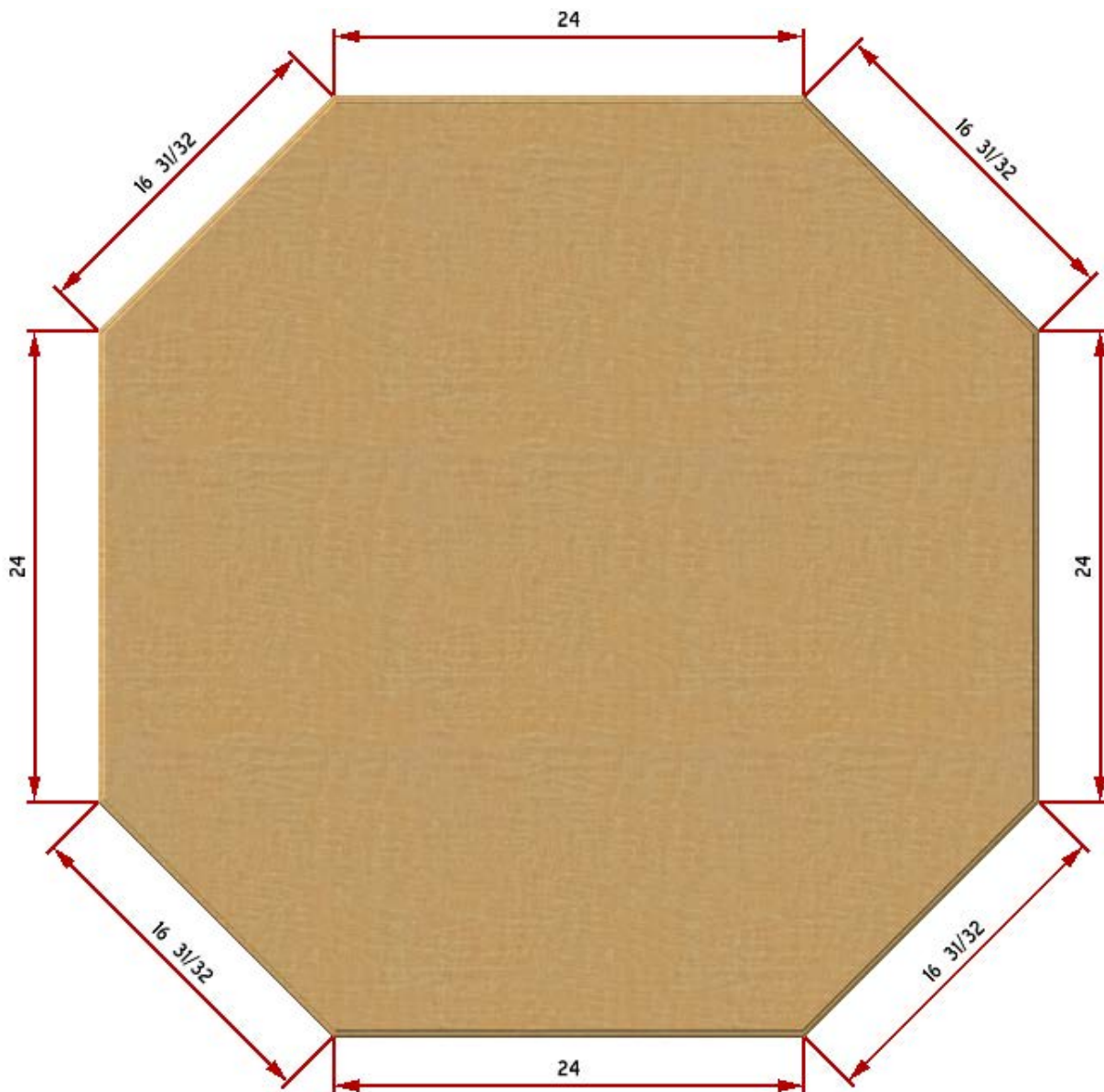
Goggles and gloves should always be worn when working with power equipment.

Children should be kept at a safe distance.

Cut the Table Top

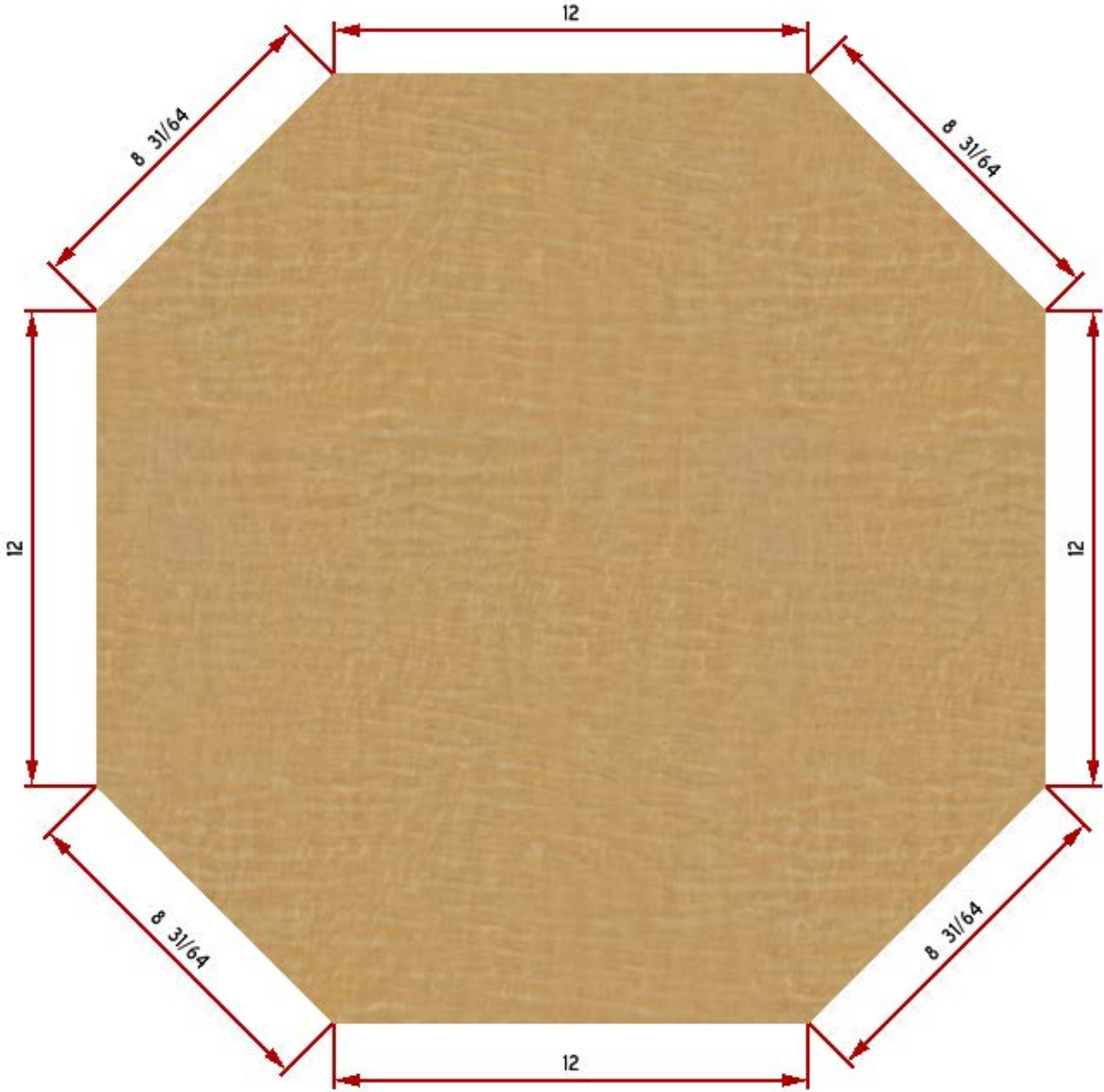
Cut the 8 foot sheet of plywood in half.

Using one of the halves of plywood, mark out an octagonal shape. There should be 4 sides at 24 inches long and 4 sides $16 \frac{31}{32}$ inches long.



Cut the Table Top Support

Using the other half of plywood, mark out an octagonal shape. There should be 4 sides at 12 inches long and 4 sides 8 31/64 inches long.



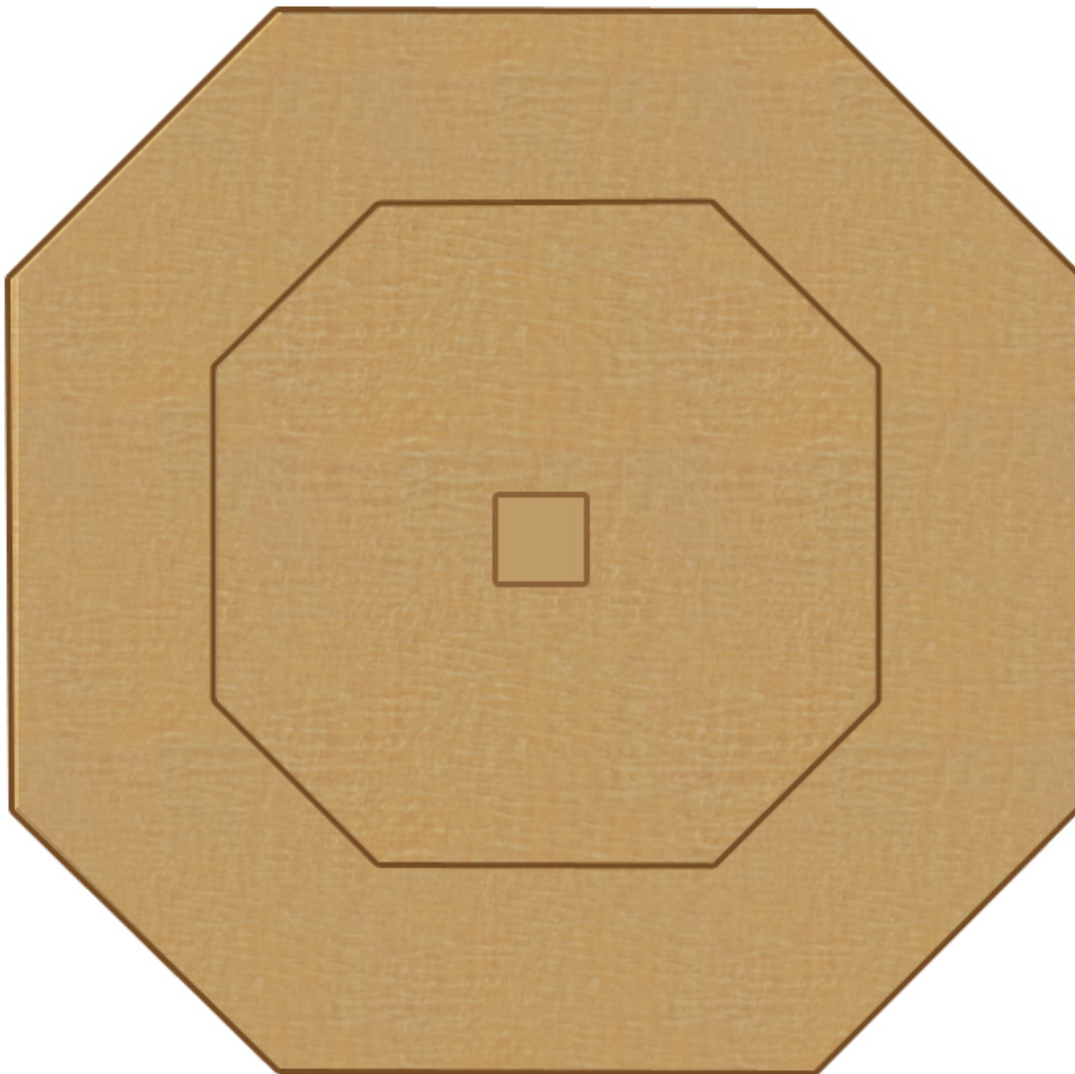
Attach the Table Center Support Leg

Center the table center leg support (4 x 4 x 27 ½ inch board) to the table top support and attach using the 3 inch wood screws. Stagger the screws in a triangular pattern. Screw down through the table top support and into the table center support leg.

Attach the Table Top Support to the Table Top

Center the table top support on the bottom of the table top.

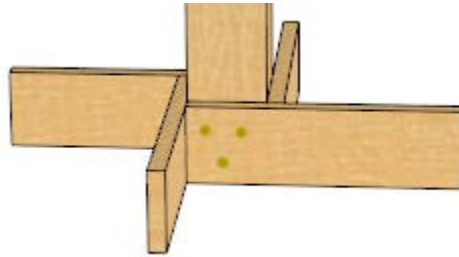
Attach the table top support to the bottom of the table top with 1 inch wood screws.



Lay the back down on a table and stack the pieces together. (Have someone hold the assembly while you drill pilot holes.)

Attach the Feet to the Table Center Support

Attach the table feet, one to each side of the table center support using the 2 inch wood screws. Attach each foot with 3 screws.



Attach Decorative Moulding

Cut decorative moulding to match the top edges of the table. Attach with finish nails.

Stain and Seal the Table

Stain and use polyurethane to seal the table or don't stain and use polyurethane sealer without staining.

Optional Finishing

Apply the edge banding tape to the rough edges of the table feet using an iron. Follow the directions on the edge banding tape package for best results.

Congratulations! Your table is now ready to use.

