Picnic Table Project

ROUND TABLE

Draw and build this round picnic table by following the general diagrams. Detailing each part with detail drawings will be helpful when sizing individual parts and selecting fasteners.

Bench directions are not included in this assignment. Contact bretzire@alfredstate.edu for the bench design.
Use nine 2”x6”x50” to make the table top. Consider dowels to join the edges. The donor table did not have gaps, however, you may design gaps similar to conventional picnic tables.

Below, a 50” diameter circle shows the cutting pattern to create the table top.
Braces used on the underside of the table top are made from two 2"X2"X11" and two 2"X2"X35" pieces.

Select fasteners no longer than 2-1/2" long. The actual board thickness for the table top and these items is 1-1/2". You will need twenty-six fasteners here.

Place the shorter braces approximately 11" apart, and the longer braces approximately 31-1/2" apart.
Draw the legs within a rectangle 31" wide and 27" high. Two 2"x4"x41" will have 45° cuts at each end. Midway they should be notched as shown below.

Consider fasteners at the midway joint after page 5. You'll be adding a support brace between two sets of these legs.
Fasten the legs to the braces as shown above. Notice the support positioned between the legs below. Long wood screws should engage the legs at their intersection, and into the ends of the support. Consider a 2"X4"X approximately 26-1/2" long.