

Picnic Table Challenge Judges' Guide **International Builder's Show**

JUDGING CRITERIA

Component Fabrication

1. Inspect one of each of the following parts checking overall dimensions and proper hole placement
 - a. Table Top Edge Board
 - b. Table Leg
 - c. Horizontal Beam
2. Review the material estimate and cutting plan. Record the total material cost from the estimate. Did the team determine the lowest cost cutting plan given the material costs provided?
3. Discuss with the team their procedures for safely fabricating the component parts.

Quality of Finished Product

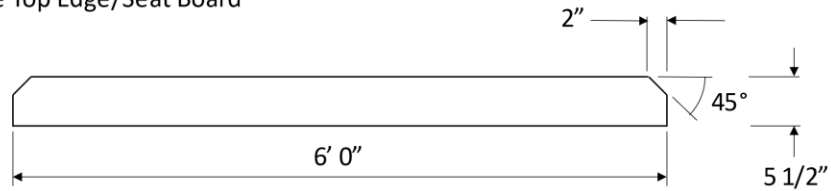
1. Check the “squareness” of the table. Measure the length of the diagonals for the overall assembly and the table top as shown in the figure below. These dimensions were calculated to the center of the corner bevel.
2. Evaluate the system developed by the team to isolate seat legs from a wet, outdoor surface for
 - a. Simplicity
 - b. Durability
 - c. Cost
3. Evaluate the overall appearance and sturdiness of the completed table.

Assembly Time

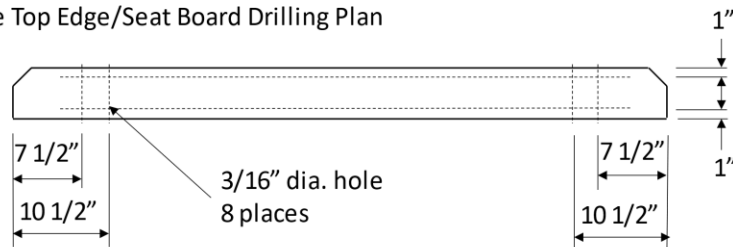
1. Record the time to assemble the table.
2. Review the safety plan and record safety violations during assembly.
3. Review the schedule and evaluate how accurately the team followed the planned sequence of operations and estimated the time for each operation.

Table Top Edge Board

2x6 Table Top Edge/Seat Board



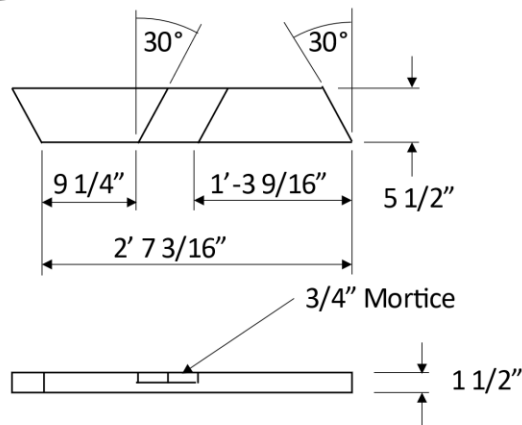
2x6 Table Top Edge/Seat Board Drilling Plan



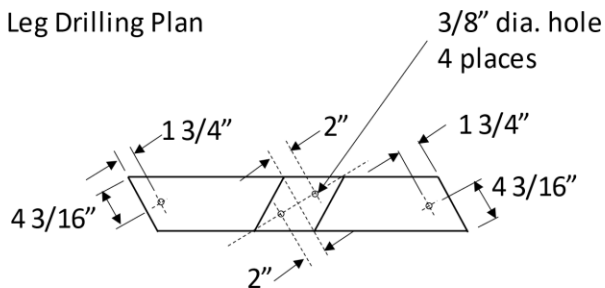
2

Table Leg

2x6 Table Leg



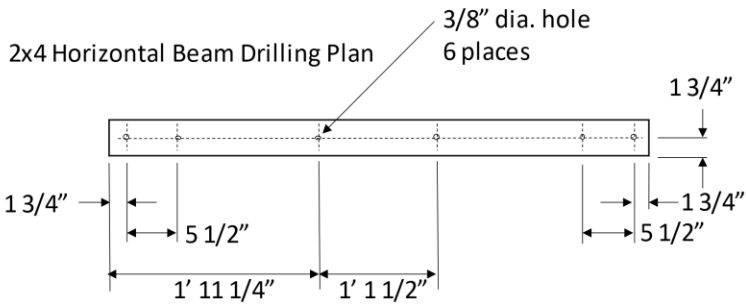
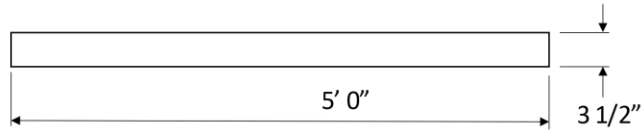
2x6 Table Leg Drilling Plan



3

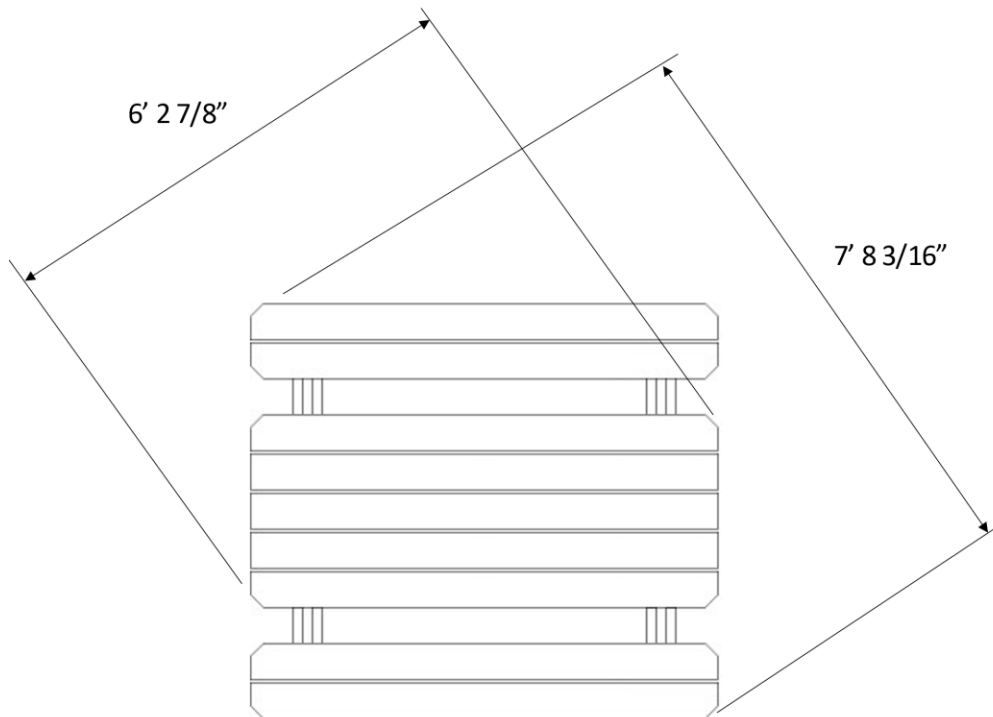
Horizontal Beam

2x4 Horizontal Beam



4

Diagonal Dimensions



5

NAHB Picnic Table Challenge		
Scoring Sheet		
Team Name:	Score	Possible
Component Fabrication		
1. Part Inspection		30
2. Estimate and Cutting Plan		10
Material Cost \$ _____		
3. Safety Procedures		5
Finished Product		
1. Squaring Accuracy		10
2. Seat Leg Isolation System		10
3. Appearance and Sturdiness		10
Assembly Time		
1. Assembly Time _____		10
2. Safety Compliance		10
3. Schedule Accuracy		5
Total		100