

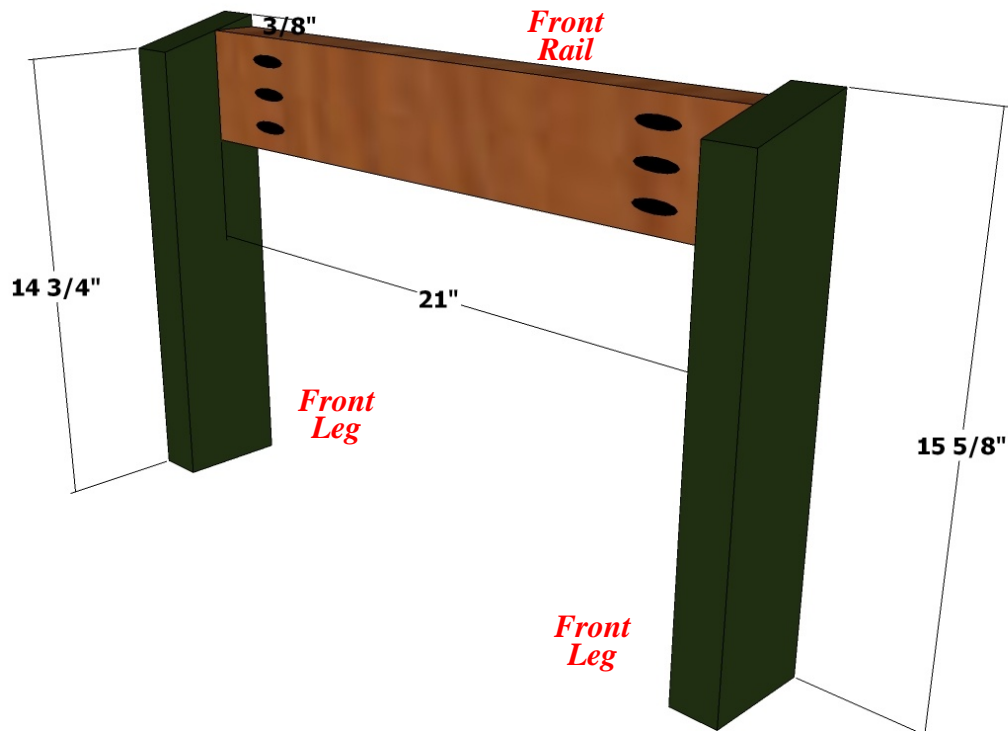


#### PARTS

- Front Rail (1) - 1 1/2 x 3 1/2 x 21
- Front Legs (2) - 1 1/2 x 3 1/2 x 15 5/8
- Back Rail (1) - 1 1/2 x 3 1/2 x 21
- Back Legs (2) - 1 1/2 x 3 1/2 x 22
- Side Rails (2) - 1 1/2 x 3 1/2 x 18 1/2
- Base Supports (2) - 3/4 x 2 1/4 x 24
- End Back Slats (2) - 3/4 x 4 1/4 x 24 3/4
- Center Back Slats (5) - 3/4 x 3 x 36 3/4
- Top Back Support (1) - 3/4 x 3 1/2 x 25 1/2
- Bottom Back Support (1) - 1 1/2 x 3 1/2 x 21
- Seat Slats (5) - 3/4 x 3 1/2 x 25 1/2

#### LUMBER

- 2 - 2 x 4 x 8
- 1 - 1 x 6 x 8
- 4 - 1 x 4 x 8

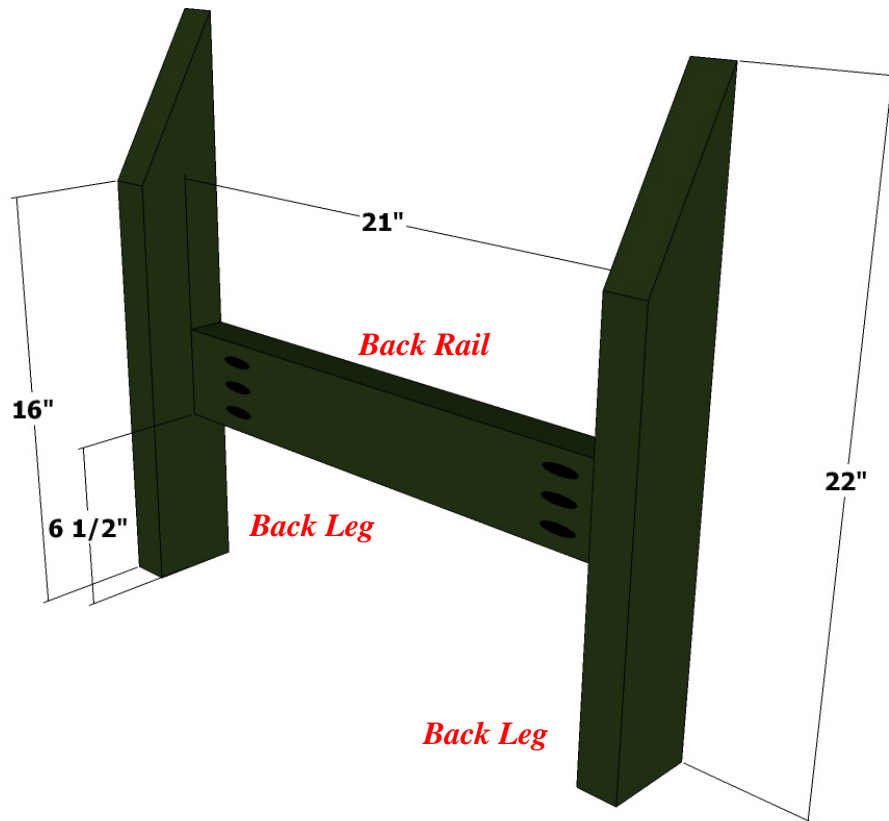


*Drill three pocket holes on each end of the Front Rail - one centered and two 3/4" from each side.*

*Cut a 15-degree miter on one end of the Front Legs. It will be easier if you cut the angle, then cut the part to length.*

*Position the Front Rail 3/8" from the point of the longest end and flush with the edge of the Front Legs as shown, and attach using glue and 2 1/2" pocket hole screws (PHS).*

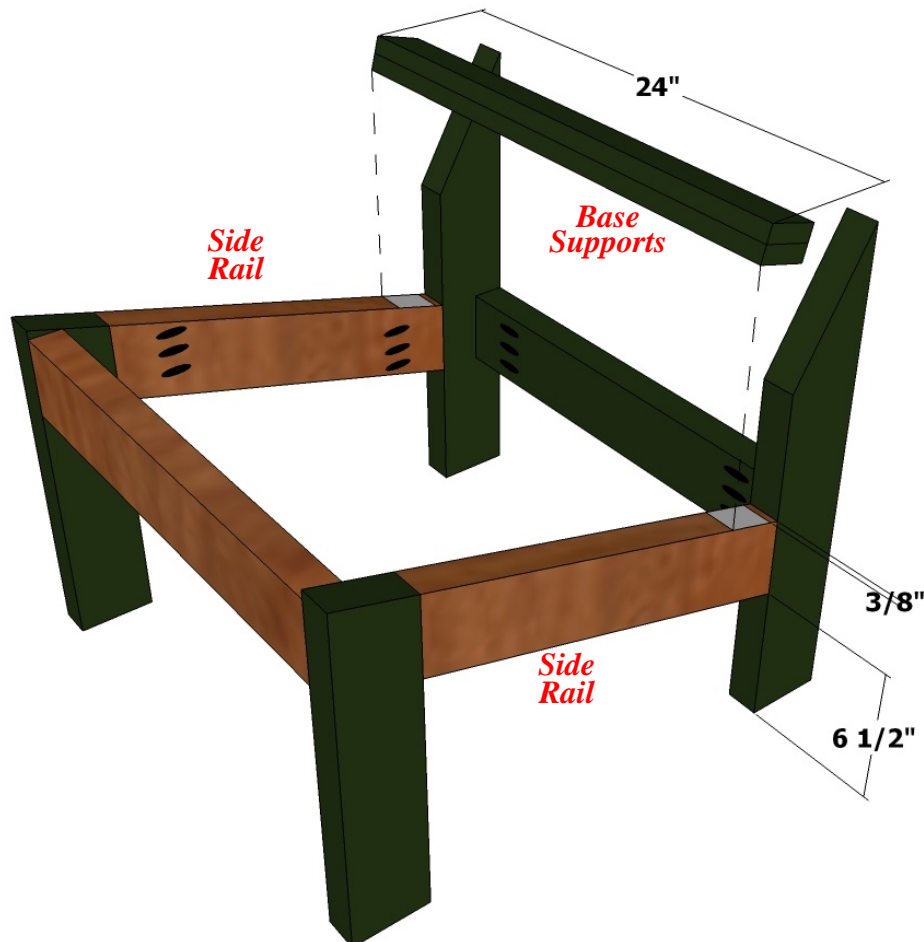
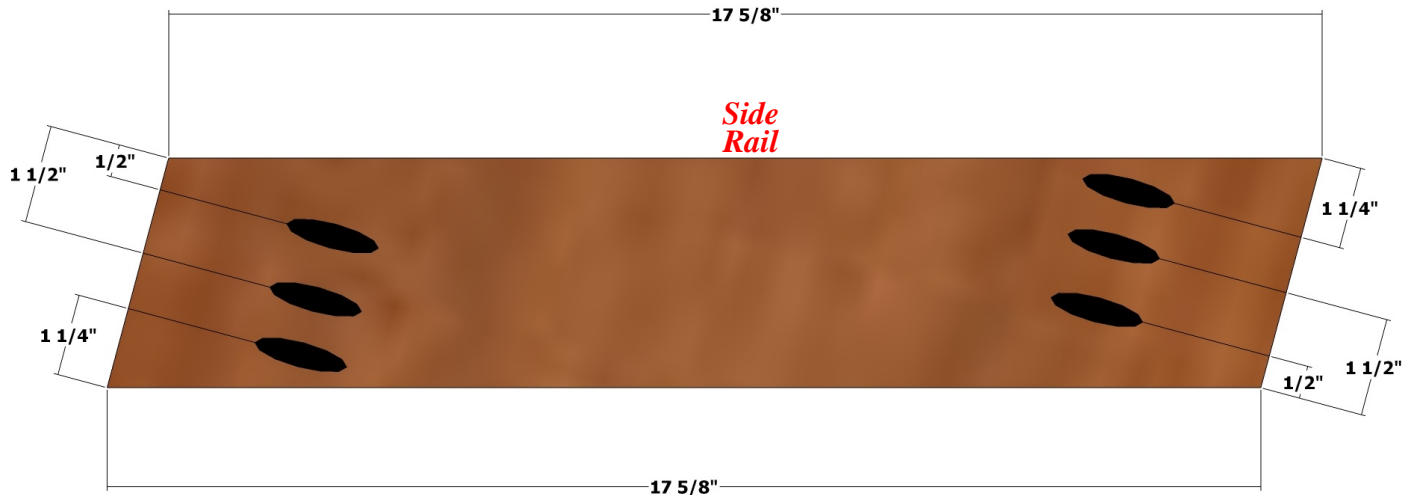
*Note: Set your Kreg Jig and bit for drilling into 1 1/2" stock. Use stainless steel PHS and glue rated for exterior use (Titebond III, for example) for a chair that will be outdoors.*



*Drill three pocket holes on each end of the Back Rail - one centered and two 3/4" from each side.*

*Cut a 30-degree miter on one end of the Back Legs. It will be easier if you cut the angle, then cut the part to length.*

*Position the Back Rail 6 1/2" from the bottom end and flush with the edge of the Back Legs as shown, and attach using glue and 2 1/2" PHS.*



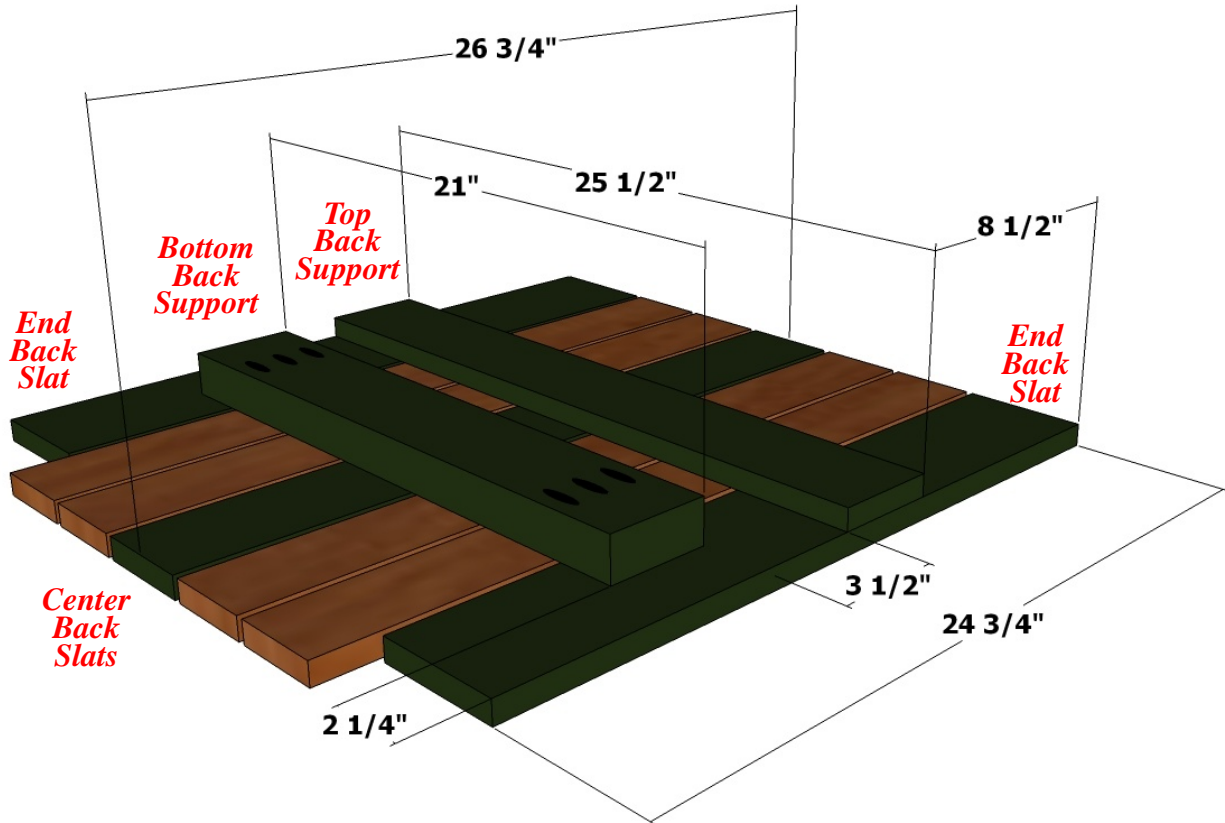
*Cut the Side Rails to length with parallel 15-degree miters on each end. Use the illustration for marking the location for three pocket holes on each end.*

*Position one end of the Side Rails flush with the end of the short edge of the 15-degree miter on the Front Legs as shown, and attach using glue and 2 1/2" PHS.*

*Position the other end of Side Rails 6 1/2" from the bottom end of the Back Legs as shown, and attach using glue and 2 1/2" PHS.*

*Apply glue to one face of each of the Base Supports and either clamp together and allow to dry, or attach together using 1 1/4" deck screws.*

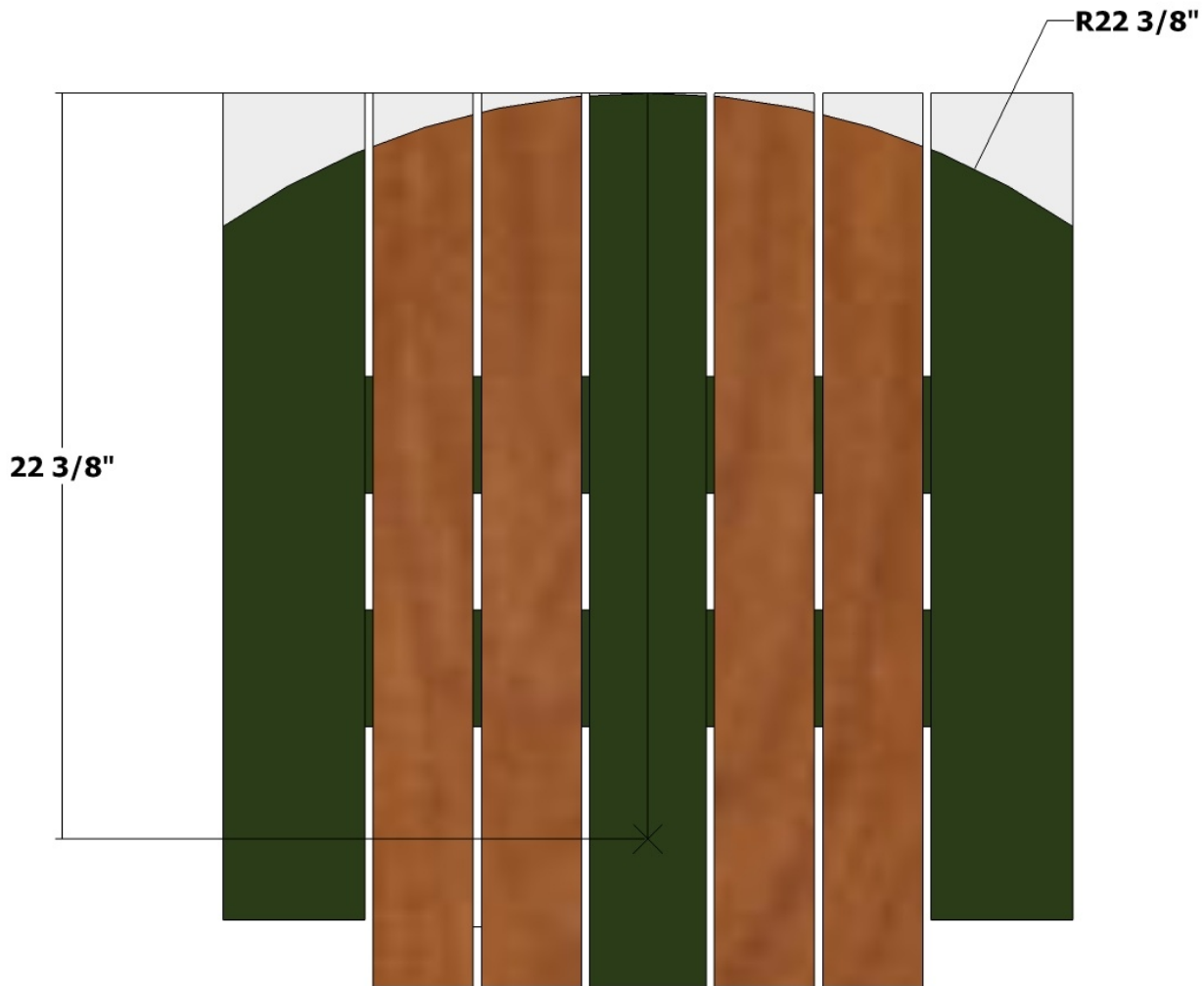
*Position the Base Support assembly as shown and attach using glue and 2 1/2" PHS (drive the screws through the Base Support assembly and into the Side Rails).*



*Position the End Back Slats and Center Back Slats 1/4" apart and flush at one end. Use 1/4" stock for spacers. Clamp the Slats in place on your work surface. Position the Top Back Support as shown, and attach using glue and 1 1/4" deck screws (use at least two screws for each Back Slat).*

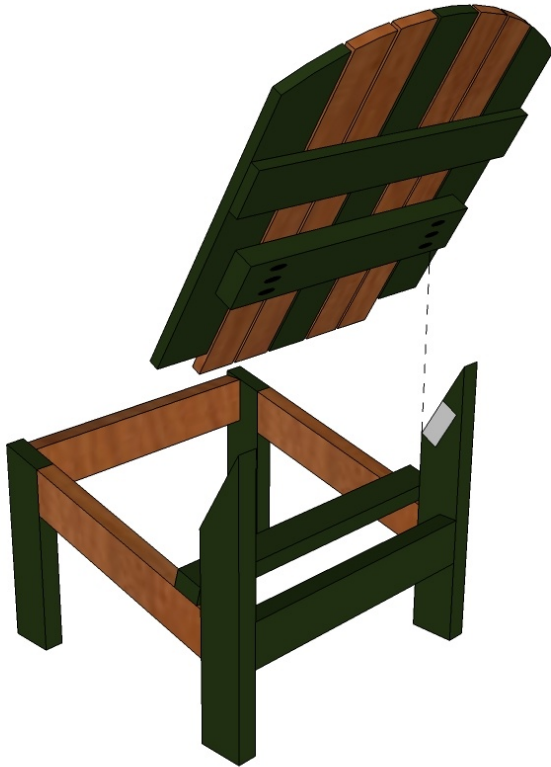
*Drill three pocket holes on each end of the Bottom Back Support just as you did for the Front and Back Rails.*

*Position the Bottom Back Support as shown, and attach using glue and 1 5/8" deck screws (use at least two screws for each Back Slat). Be sure to countersink the 1 5/8" screws about 1/8". You could alternately clamp the Bottom Back Support in place, flip the assembly over, and drive 1 1/4" deck screws through the Slats and into the Bottom Back Support.*



*Flip over the Back Assembly and mark a point on a centerline 22 3/8" from the top end of the middle Center Back Slat as shown. Use a bar compass or a string and pencil to mark a 22 3/8" radius across the Back Assembly. Cut away the marked portion to create the back shape.*





*Position the Back Assembly so the Bottom Back Support is flush with the short side of the 30-degree miter on the Back Legs, and the bottom of the End Back Slats rest against the Side Rails and Base Support assembly.*

*Attach the Bottom Back Support to the Back Legs using glue and 2 1/2" PHS. Attach the End Back Slats to the Back Legs using glue and three 1 1/4" deck screws (at each Leg). Be sure not to drive the deck screws where they might come in contact with the PHS from the Bottom Back Support.*



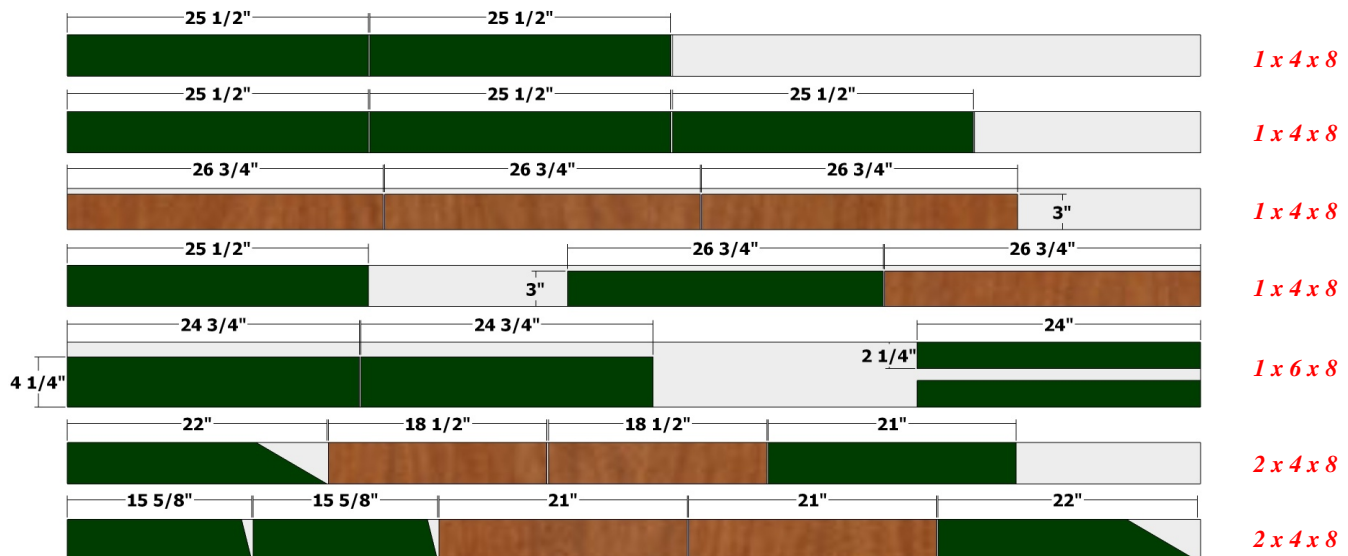
*Use a router or sander to create a roundover on the edges of the face that will be positioned up on the Seat Slats. In this illustration, the Seat Slats have been finished in two tones. It's best to do this prior to attaching them to the chair base. Be sure to not apply a finish on any area that will have glue applied.*

*Position the first Seat Slat flush against the Back Assembly and equidistantly spaced on the base of the chair and attach using glue and 1 1/4" deck screws (use at least two screws on each end of the Seat Slat).*

*Position the remaining Seat Slats 1/4" apart and in line with the first Seat Slat. Attach using glue and 1 1/4" deck screws (use at least two screws on each end of the Seat Slats).*

## CUTTING DIAGRAM

*Note: Use cedar or redwood for the 1 x material, and treated, cedar, or redwood for the 2 x material.*



**Follow ALL SAFETY GUIDELINES AND RECOMMENDATIONS provided by the manufacturers of your tools, and any chemicals such as glue and finishes you use in this project. YOU are responsible for your safety, so use common sense when working in the shop!**