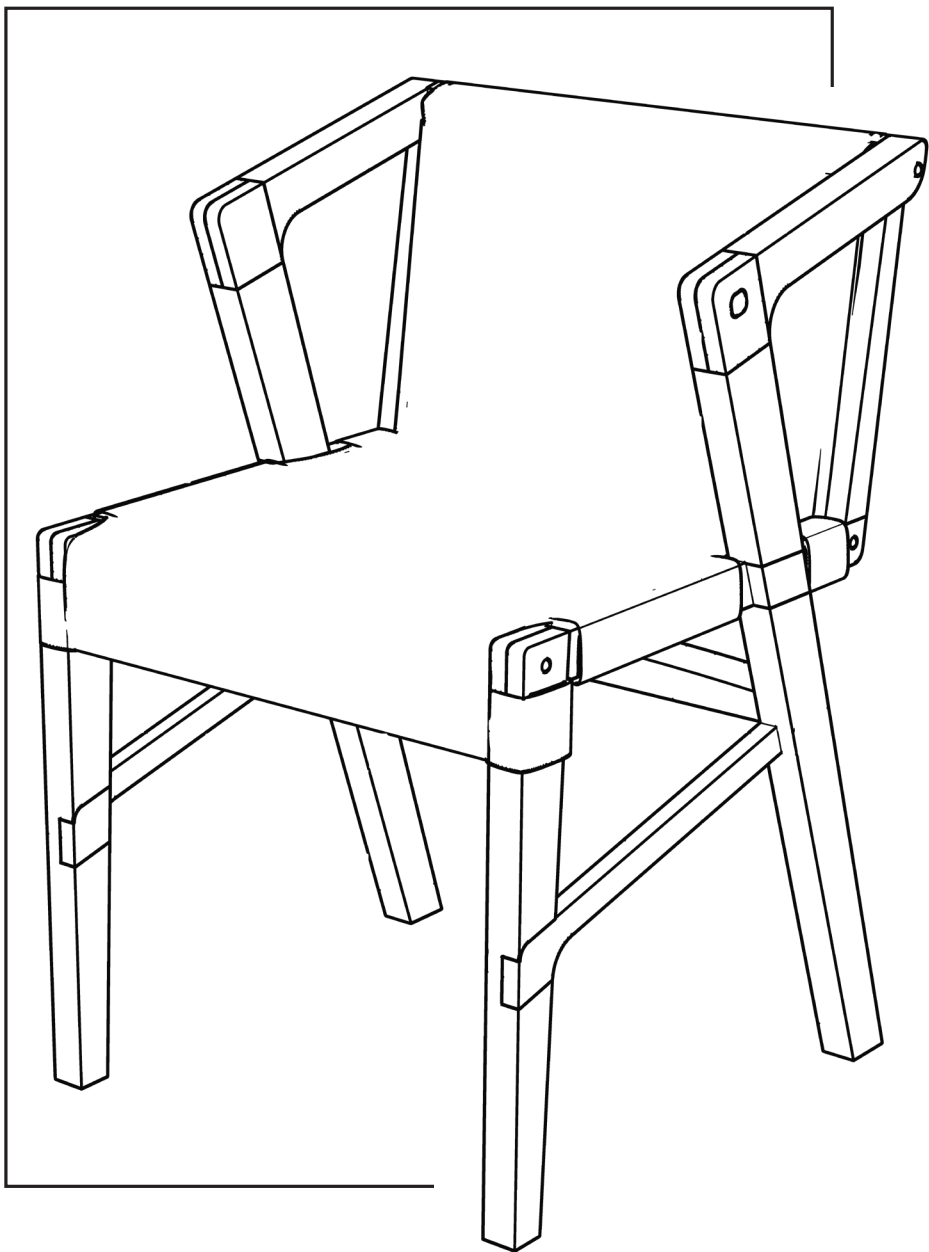
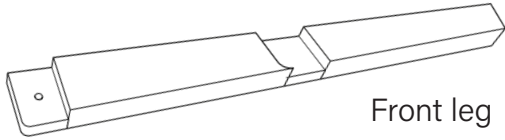




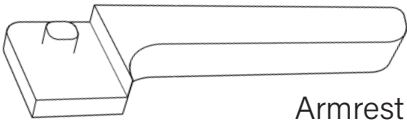
MADISON FLITCH

BOOMERANG DINING CHAIR
ASSEMBLY INSTRUCTIONS

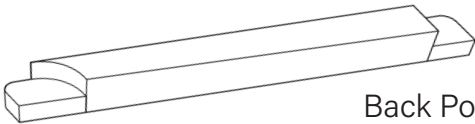
Wood Parts Overview



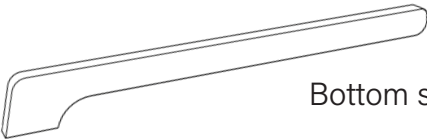
Front leg



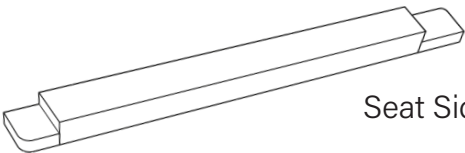
Armrest



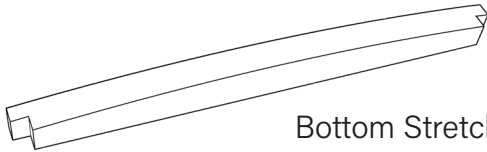
Back Post



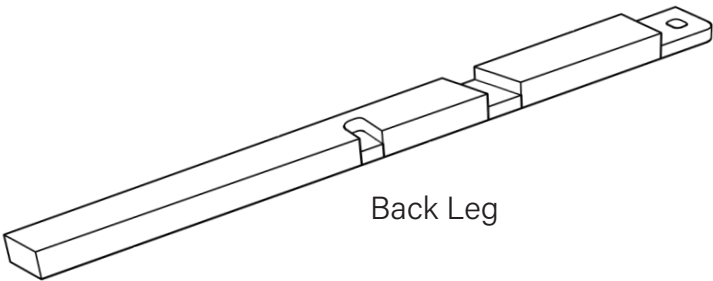
Bottom side rail



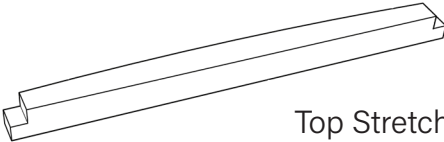
Seat Side Rail



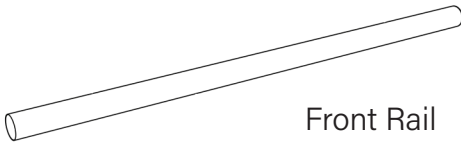
Bottom Stretcher



Back Leg

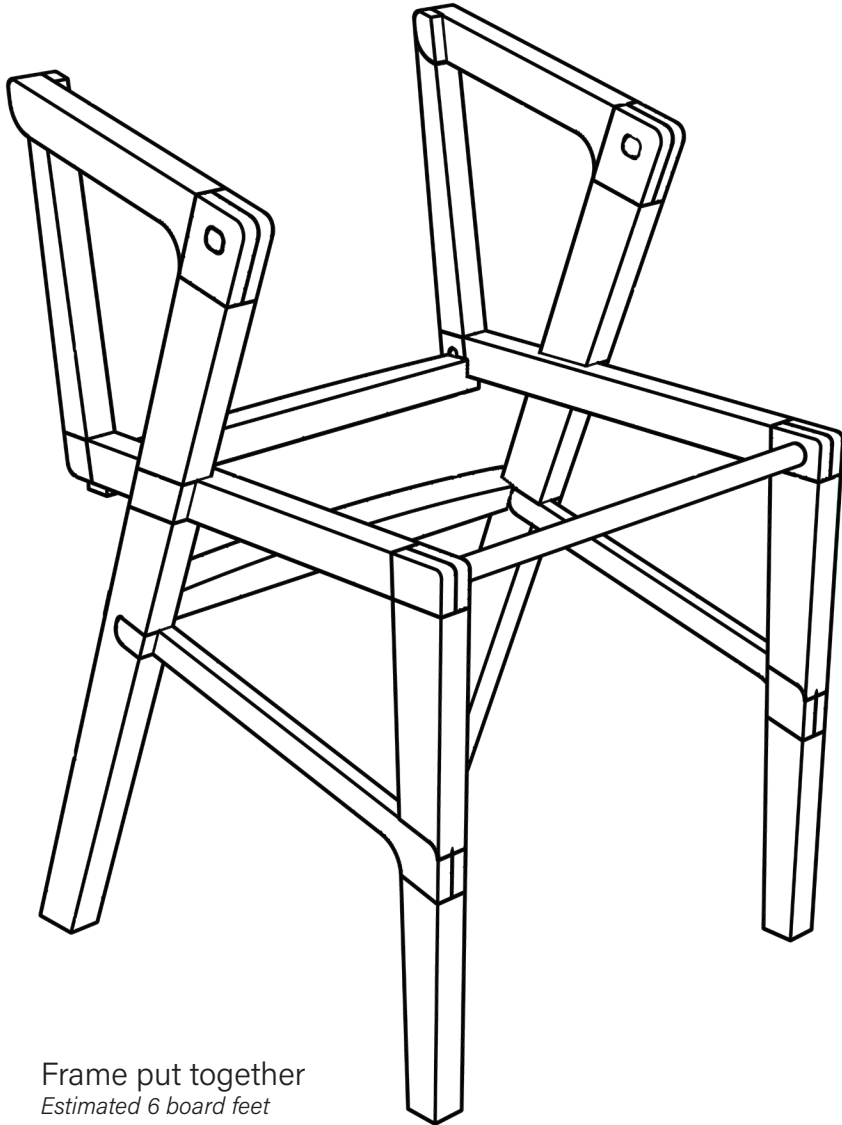


Top Stretcher

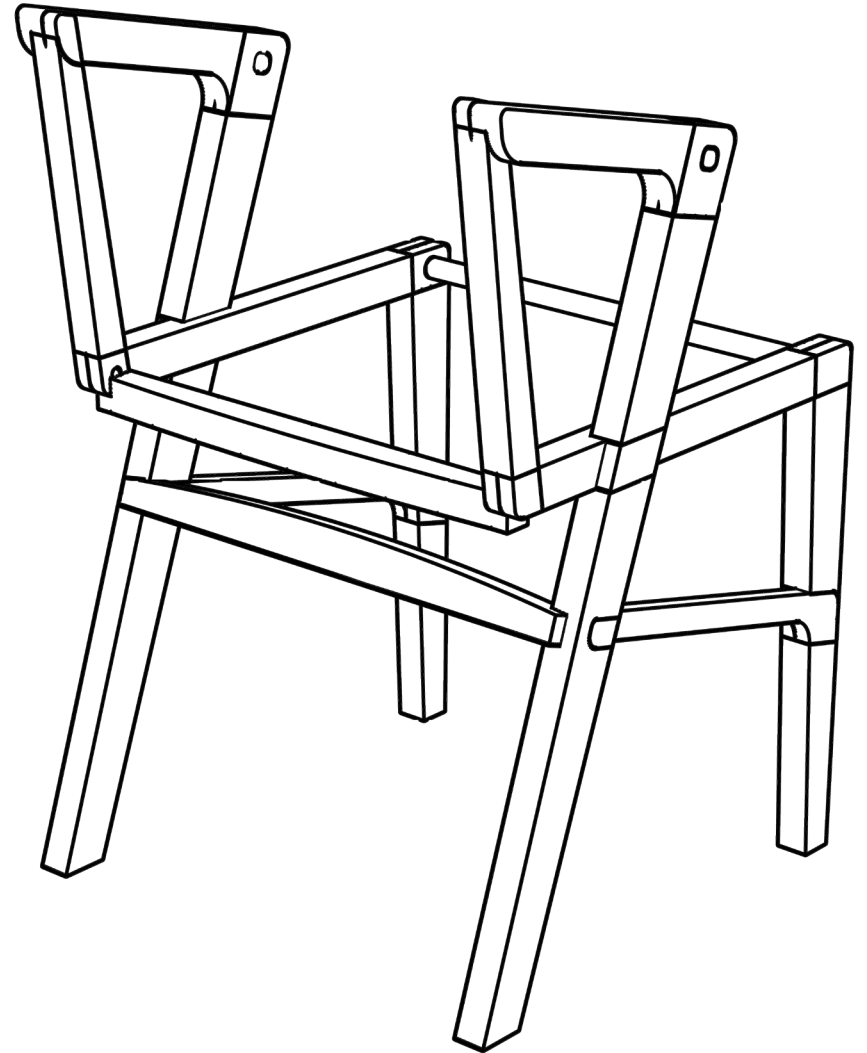


Front Rail
**18" long 7/8" dowel*

Frame Overview

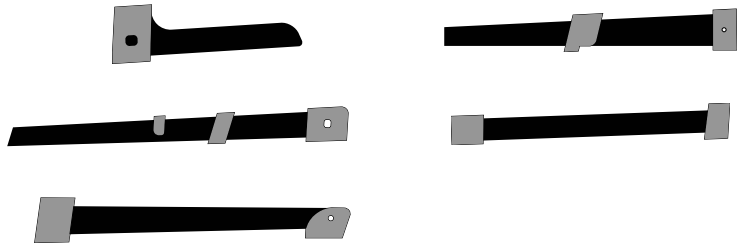


Frame put together
Estimated 6 board feet

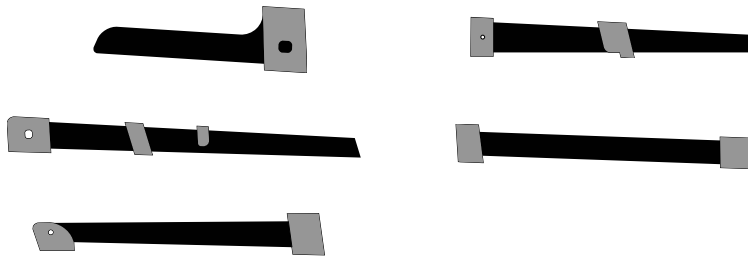


Step 1: Shaper Origin Cuts

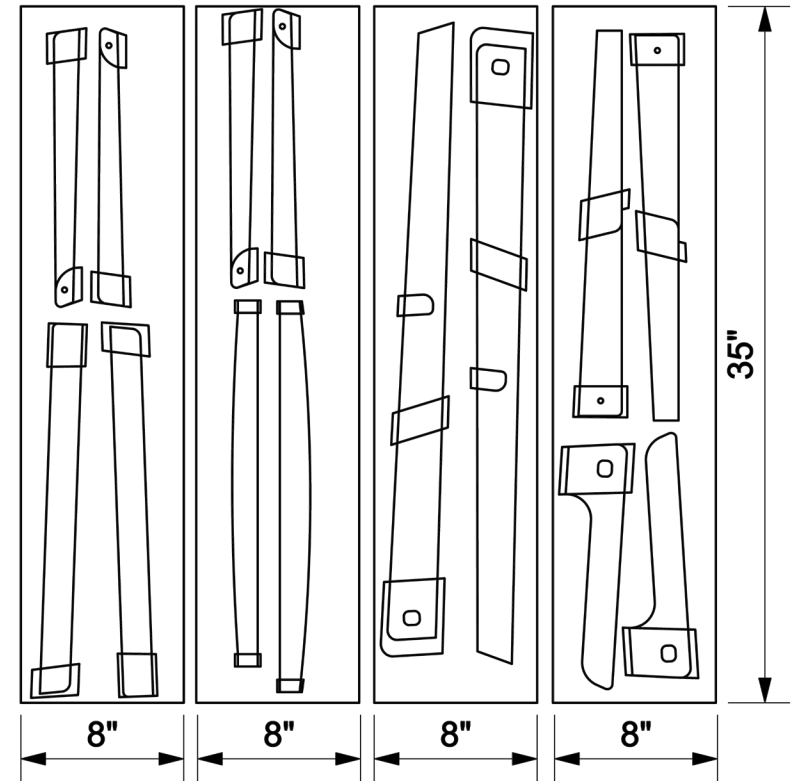
Right Frame



Left Frame

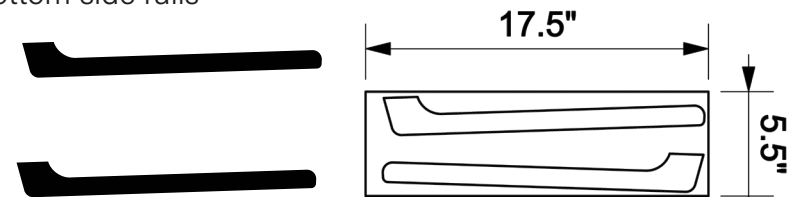


Stretchers



All Pockets 0.5" Deep Cut on 1" Thick Board

Bottom side rails



Cut on 0.5" Thick Board

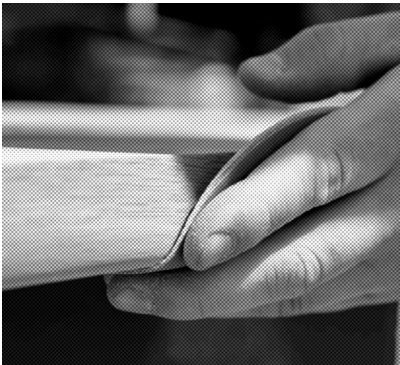
Step 2: Clean up Pieces



Flush Cut

Using router table carefully
remove excess wood

*Be sure to do edges slowly and lower bit
when doing laps*



Light Sanding

Use 220 grit to remove any
leftover flurries left on pieces

*Do not sand to much to through joints off
square*

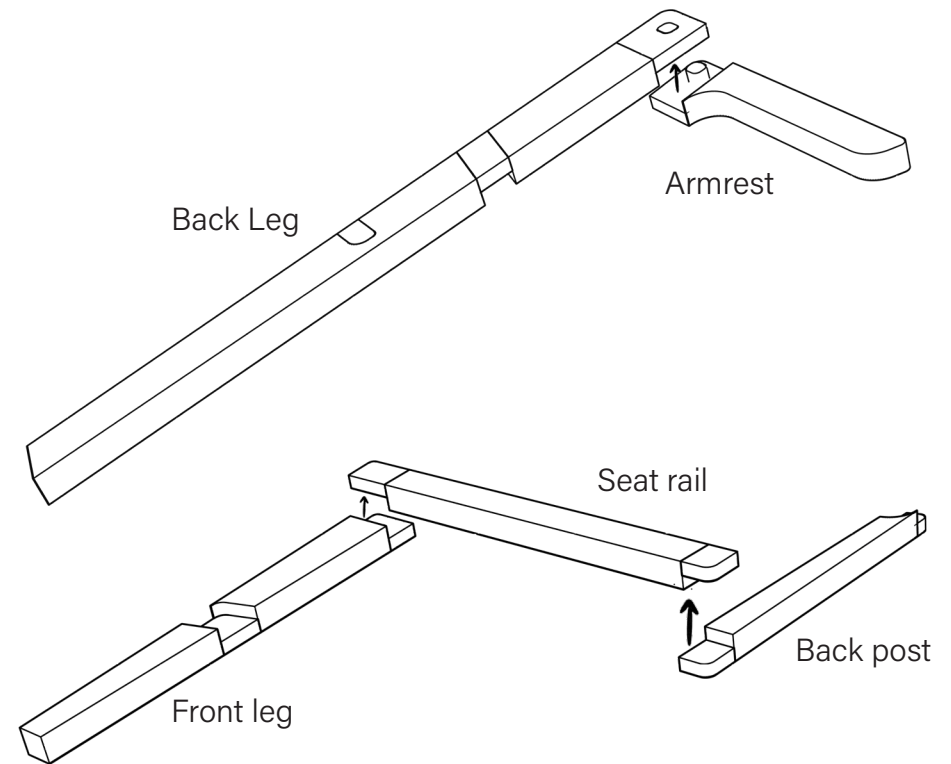
Step 3: Glue Quarters



Glue up Quarters

Add glue to joints and clamp
until glue comes out corners

*It helps to keep glue from dripping on top of
other pieces and don't clamp to avoid tight-
ening so much to dent wood*



Step 4: Round Over

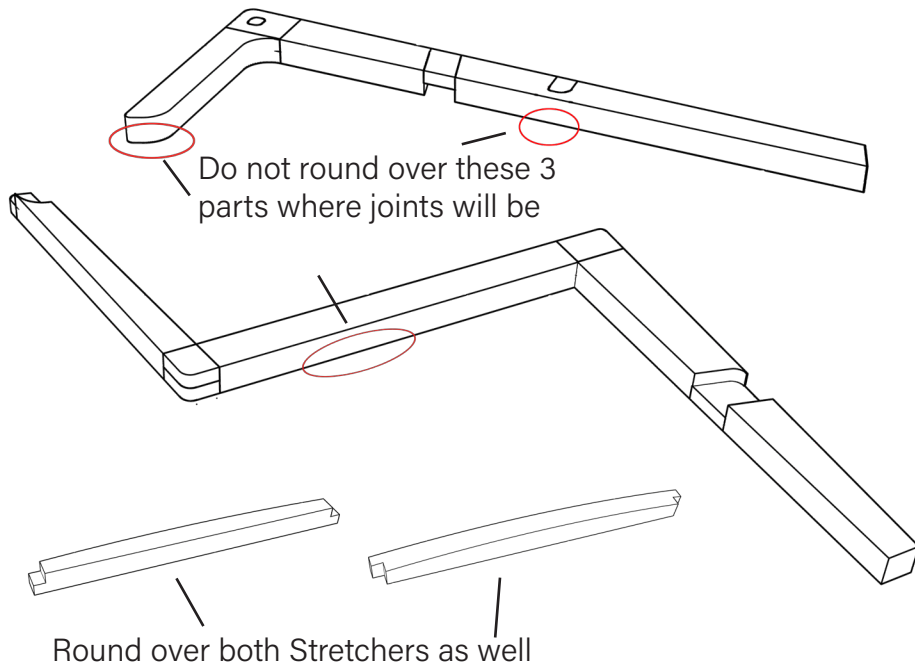
**Quickly sand off any glue that may of gotten on pieces before doing this step*



Use 1/4" Round Over

Round over edges be sure to skip parts where joints will be

When cutting be sure to do it in several passes instead of one to avoid tear and burning on the wood



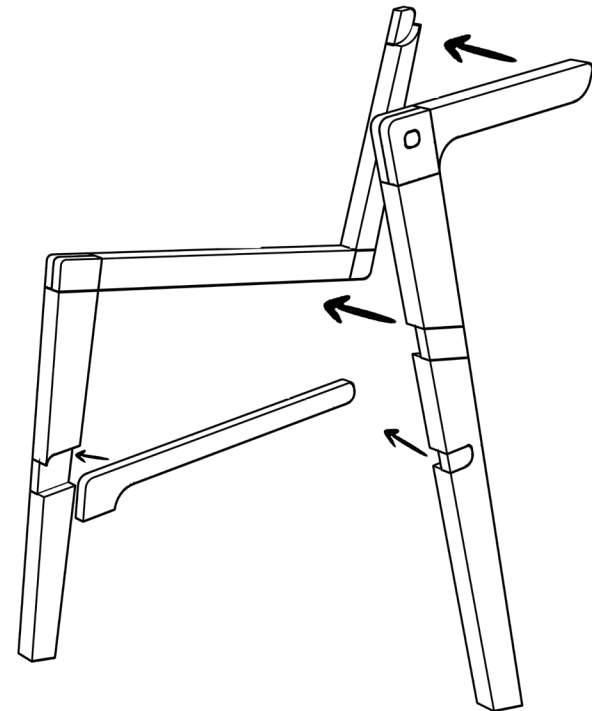
Step 5: Glue Halves



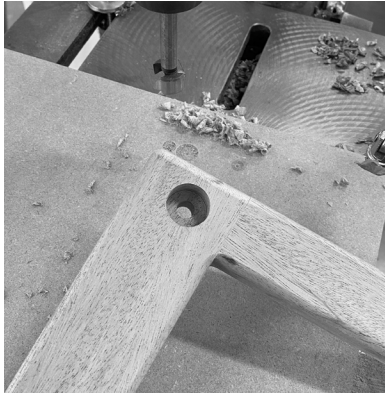
Glue up Halves

Glue the the 2 quarters together and the bottom rail

Make sure that all joints are aligned to the corners on both sides before fully clamping



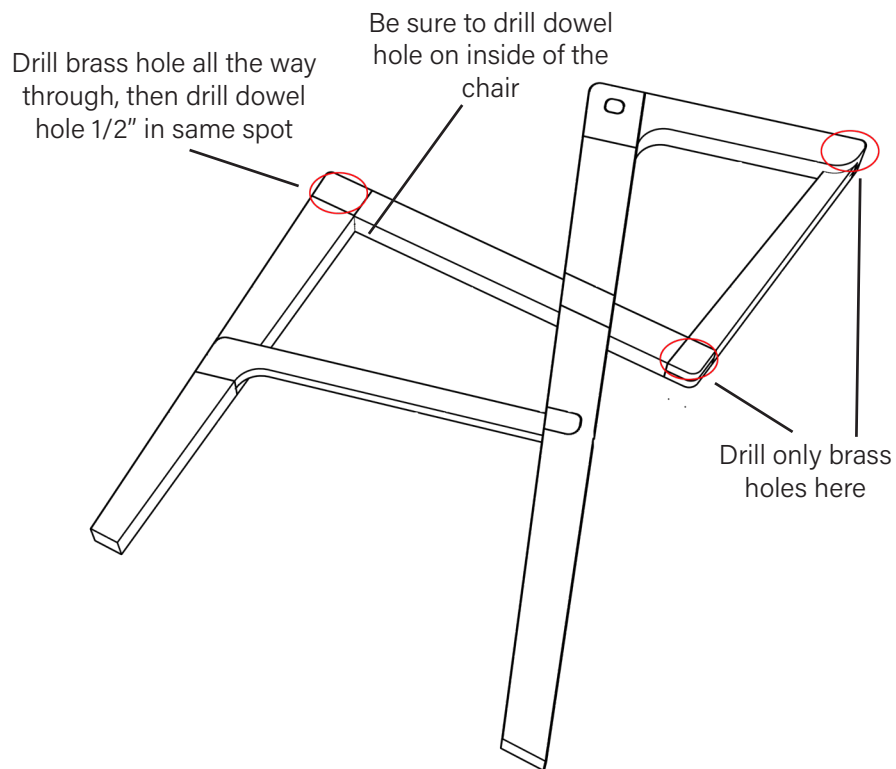
Step 6: Drill Press holes



Drill holes for dowel and brass rods

Brass rod holes will be $\frac{3}{8}$ "
Dowel holes will be $\frac{3}{4}$ "

Make sure board is clamped tightly to sacrificial piece underneath. Line up holes with holes that shaper cut



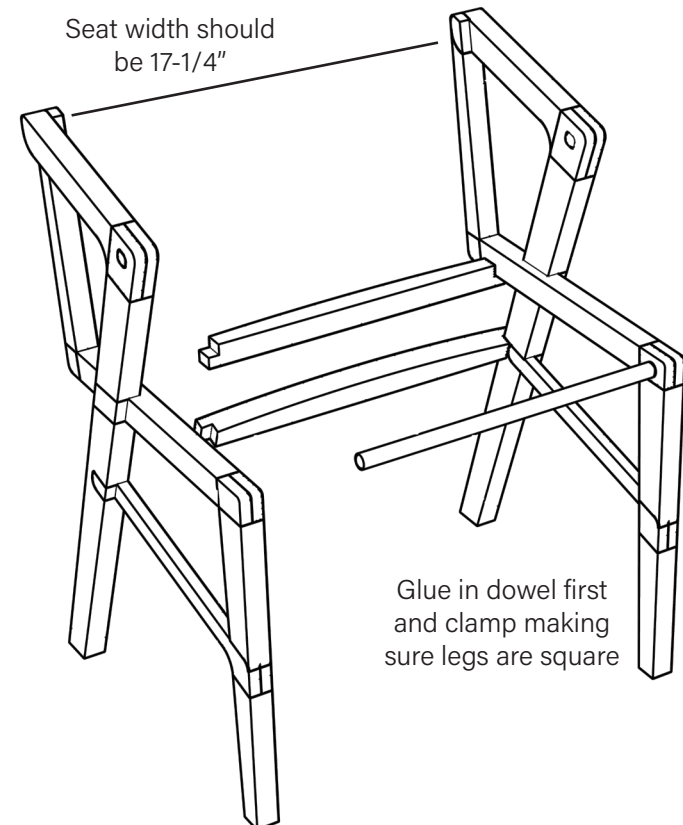
Step 7: Glue up Frame



Glue Frame Together

Cut a $18'' \frac{3}{4}$ " dowel, and glue it and stretchers to halves

Be sure to check everything is square from feet to backrest to stretchers

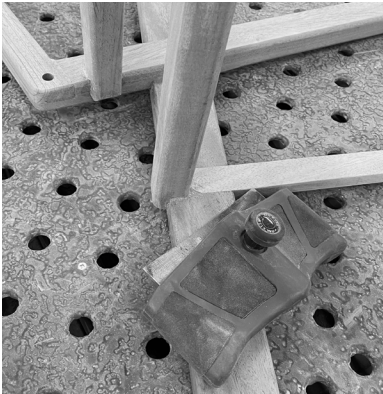


Step 8: Sand and Shape



Remove all glue

Round over missed spots on wood with 100 grit, sand to 400



Use card scraper to remove glue from tough spots



Use 000 Steel wool last to burnish wood

Step 9: Finishing



Wax and finish

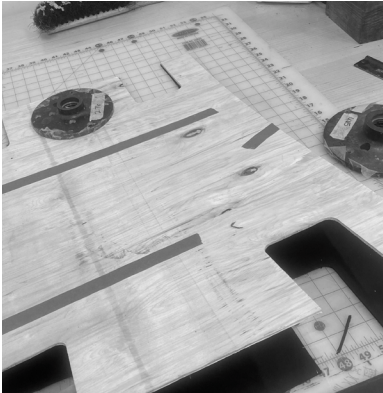
Use tack cloth heavily to remove all wood dust and wax all surfaces of wood.

Wood should look shiny and finished after using tack cloth



Apply thin even coat of Tried and True, wait 1 hour and wipe off excess.

After 24 hours use 000 Steel wool lightly and apply another coat of Tried and True



Use leather Template

Cut leather according to template, then condition and burnish leather



Work from back to front stapling leather to inside of the wood



Add leather strap to backrest for added support on back

Add 4 pins to backflap in corners



18



Prototype No. 1
Will Waris
Designed 5/3-7/20 2024
Built 7/20-7/24 2024

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