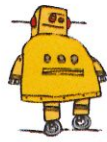


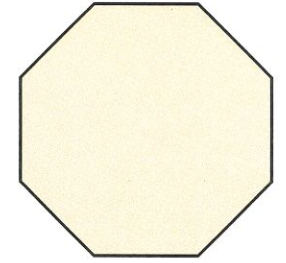
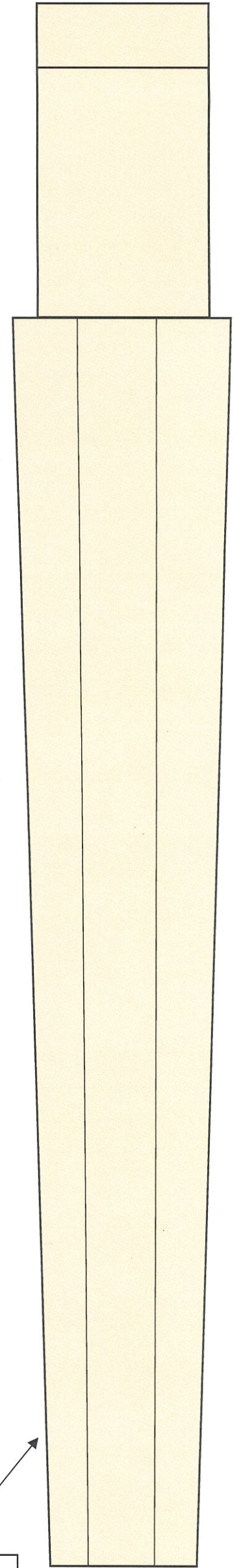
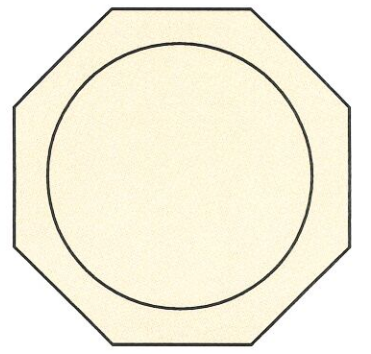
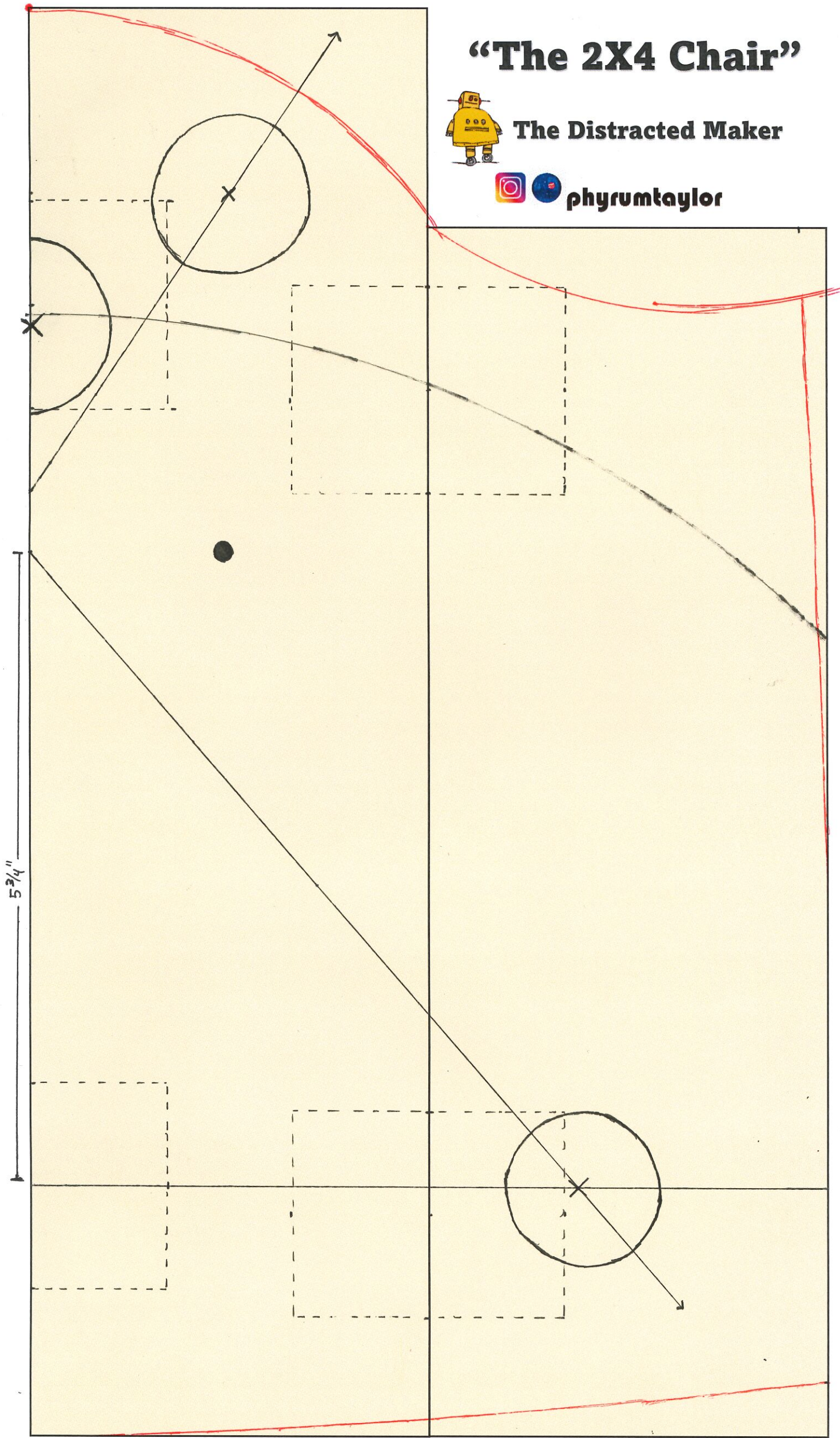
# "The 2X4 Chair"



The Distracted Maker



phyrumtaylor

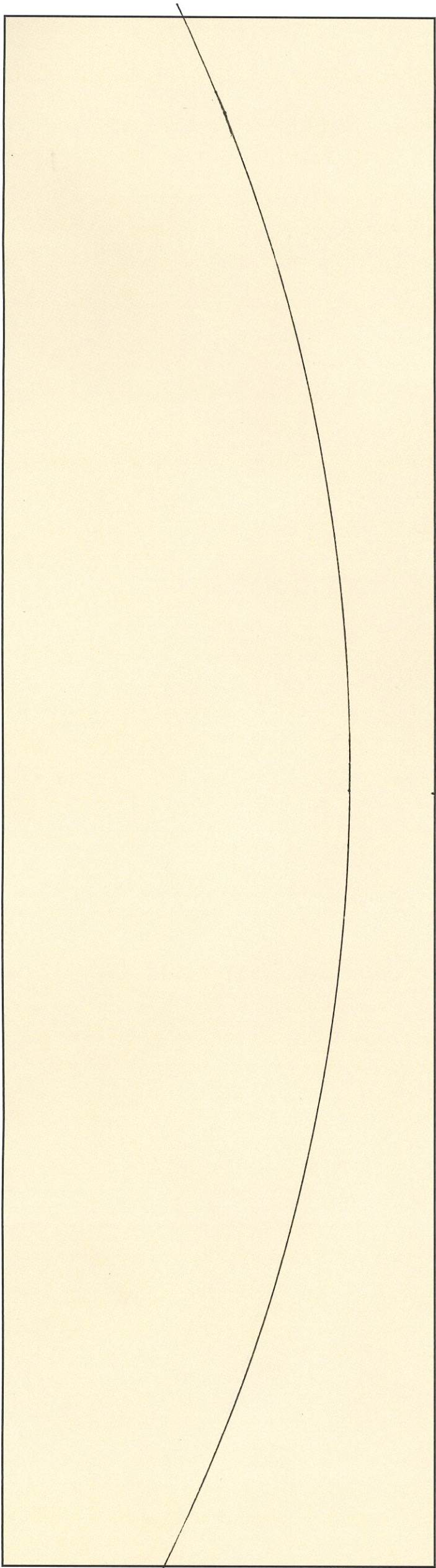


Center Line

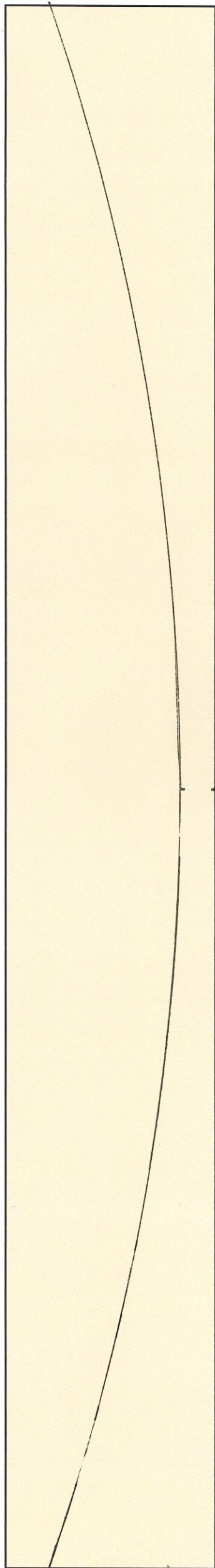
**SEAT: 4 boards- 2 @ 13" L, 2 @ 11" L**  
**Red Line shows final seat shape.**  
**Dotted line shows mortises to reinforce seat, pinned with bamboo skewers from the bottom. Mortises are 1/4" wide, 1-7/8" Long, and 1-1/4" deep.**  
**Back Leg drilled on center line, front leg and back post resultant angles shown.**

**Front Leg Location: 2 1/4" in from side and front of seat edge.**

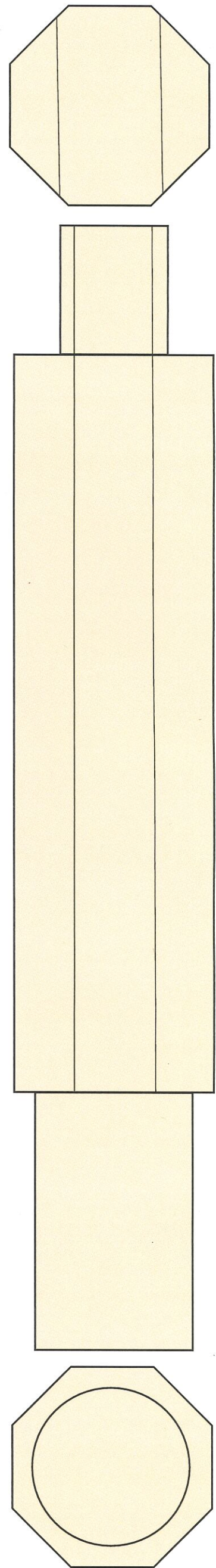
**Back Leg (1) 12-9/16" Long. Front Legs (2) 12-1/2" Long**  
**Back Leg Tenon: 1-3/8" Round, 2-1/2" Long**  
**Front Leg Tenons: 1-3/8" Round, 2" Long**  
**All Legs tapered Octagon: 1-3/4" at top, 1-5/16" at bottom.**



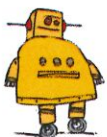
**Headrest: 13" Long.**  
**Front View (cut second)**  
Cut on line, glue bottom piece to the top.

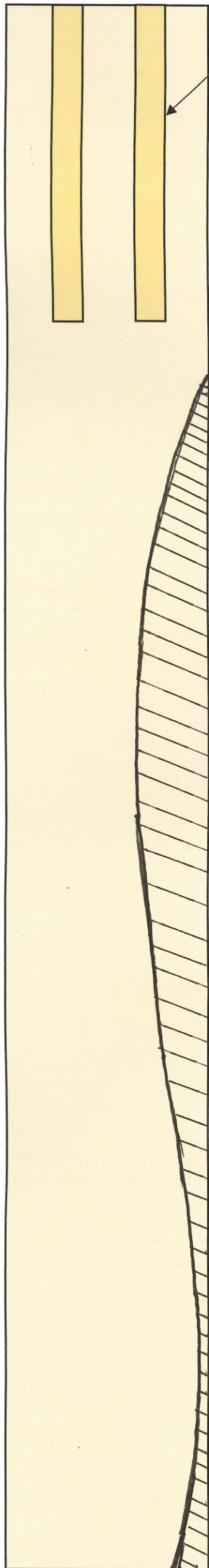


**Headrest: Birds eye view**  
**(cut first)**  
Cut on line, glue front piece to the back face.



**Back Post (X2) 1 3/4" Octagon: 9-3/16" L**  
**1-3/8" Round tenon on the bottom - 2 1/4" L**  
**Rectangular tenon (top) 1-1/8" L, 15/16" W**





**Reinforcing splines 1/4" wide, 2-5/8" deep**

**Glue up the 2 middle seat boards, then create the slots for the reinforcing splines. Add them to the back of the 2 middle seat boards, and on each front corner of the 2 side boards.**

**Scoop out the seat shape: 1/2" at deepest point marked by depth holes indicated on seat pattern. Seat contours shown:**

**MIDDLE OF THE SEAT CONTOUR**

**SIDES OF THE SEAT CONTOURS**

**MISC NOTES:**

**PDF is sized for 11" X 17" sheets for scale drawings.**

**These plans accompany photo step by step instructions by Distracted Maker on instructables.com. Search "2X4 Chair"**

**From one rough cut cedar 2 X 4- these are the initial cuts to make this chair: Head rest- 13", Seat: 2 at 13" and 2 at 11". Back Leg: 12-9/16", Front Leg: 12-1/2". Back Post: 9-3/16"**

**To cut from Scrap: 5 wedges 2" long, 6 loose tenons: 2.5" long, remaining used for reinforcing splines.**

**Resultant angles needed to drill holes: 18° for back post, 12.5° for Front legs, 25.5° for back leg.**

**Radius to scoop out seat: 10" at center of back leg Tenon, 1/2 inch deep at deepest part.**

**4.5 inch radius used to create the seat shape at back.**

**18°**

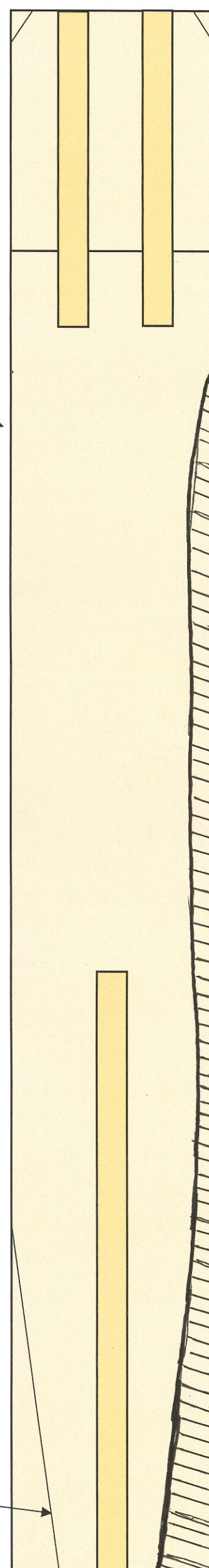
**12.5°**

**25.5°**

**Bevel on underside of seat: 11°**

**Bevel is on front face and both sides, but not on the back.**

**Back is chamfered with 45° bit on top and bottom (about 1/4")**



**Reinforcing spline at front corners of seat: 1/4" wide, cut into front corner at 45° angle.**

