

# Krenov Trestle Horse Plan of Procedure

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## Materials

Per drawing & cut list

1. Harvest all the parts from your lumber. Mill to the dimensions on the cut list. Leave the beam long; it will be trimmed to length later.

## Feet

2. Lay out the mortises on the feet. Cut using a slot mortiser, plunge router, or by hand.
3. Hand-plane the top edge and both faces.
4. Lay out the end angles as desired; 22.5° looks nice. Cut the ends on a chop saw. While you're set up at the chop saw, make a wedge, at least 5" long.
5. Use a shooting board with the wedge between the fence and the foot, and shoot the ends.
6. Lay out the "feet" and use the bandsaw to remove most of the material. Use a router table, straight bit, and fence to clean up the long cut parallel to the bottom.
7. Lay out and cut the top angle on the bandsaw, then plane to your line.
8. Plane the faces smooth.

## Beam Prep

9. Surface the faces and edges using a hand plane. Leave long for now. Ensure both beams are the same thickness throughout their length.

## Legs

10. Shoot the end (top of leg). It will be difficult to shoot after the notch is cut.
11. Lay out the mortise (for the stretcher) and top notch (for the beam).
12. Drill a 1/4" hole through the width of the leg, 1" down from the top, for the drawbore peg.
13. Make the tenons using your desired method (or mortises for loose tenons).
14. Using the Forrest box joint blade or similar, cut the notch using a sled and a stop. Sneak up on the fit by moving the stop until the beam fits nicely.
15. Cut the mortises using a slot mortiser, router table, plunge router, or by hand.
16. Lay out the tapers at the top, cut on a bandsaw, and plane smooth.
17. Surface the remaining faces using a hand plane.

## Stretchers

18. Make the tenons on the ends of the stretchers to fit the leg mortises. Round the tenon edges using a patternmaker's rasp and chisel.
19. Make two saw cuts on each tenon, about 1/4" from each edge, for the wedges. Cut almost down to the shoulders.

## Leg Mortises & Wedges

20. Taper ends of the leg mortises using a round file, widening them on the outer leg face by 1/16-3/32".
21. Make wedges to match the taper you filed in the leg mortises.

## Assembly

22. Round or chamfer all edges as desired.
23. Glue up the legs and feet.
24. Assemble/glue the stretchers to the leg assemblies. Glue and tap in the wedges. When the glue is dry, trim the tenons.
25. Cut the beam to length and shoot the ends. Mark and drill for the drawbore pegs and assemble. Taper and wax the pegs and hammer into place. Trim flush.
26. Finish as desired or leave bare.