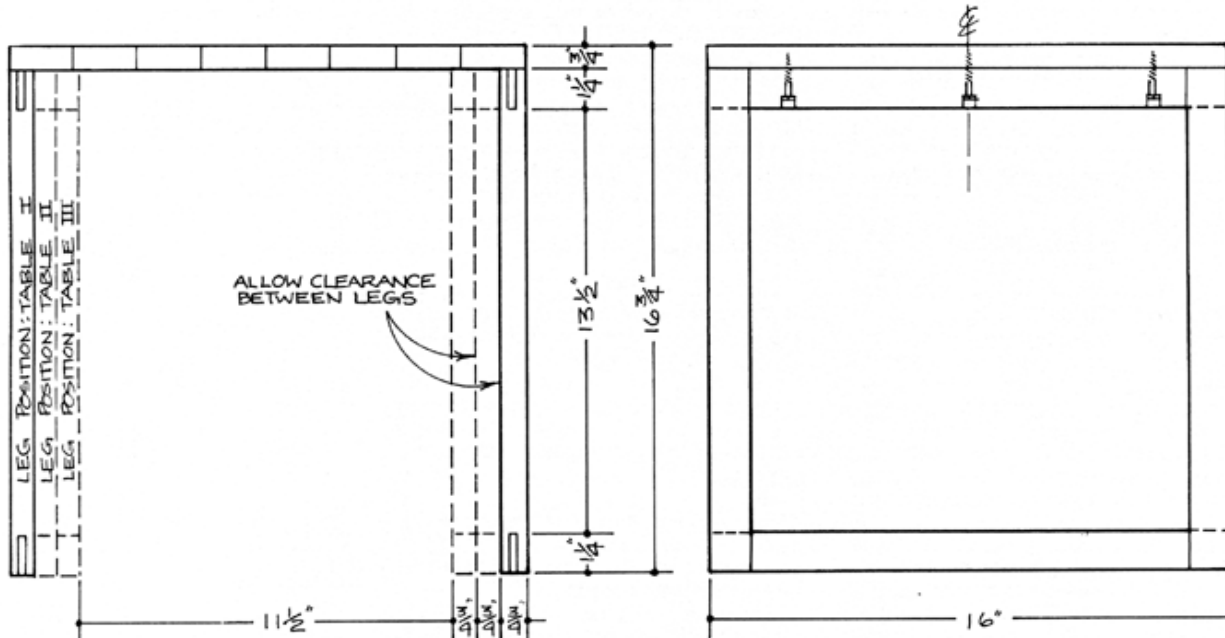
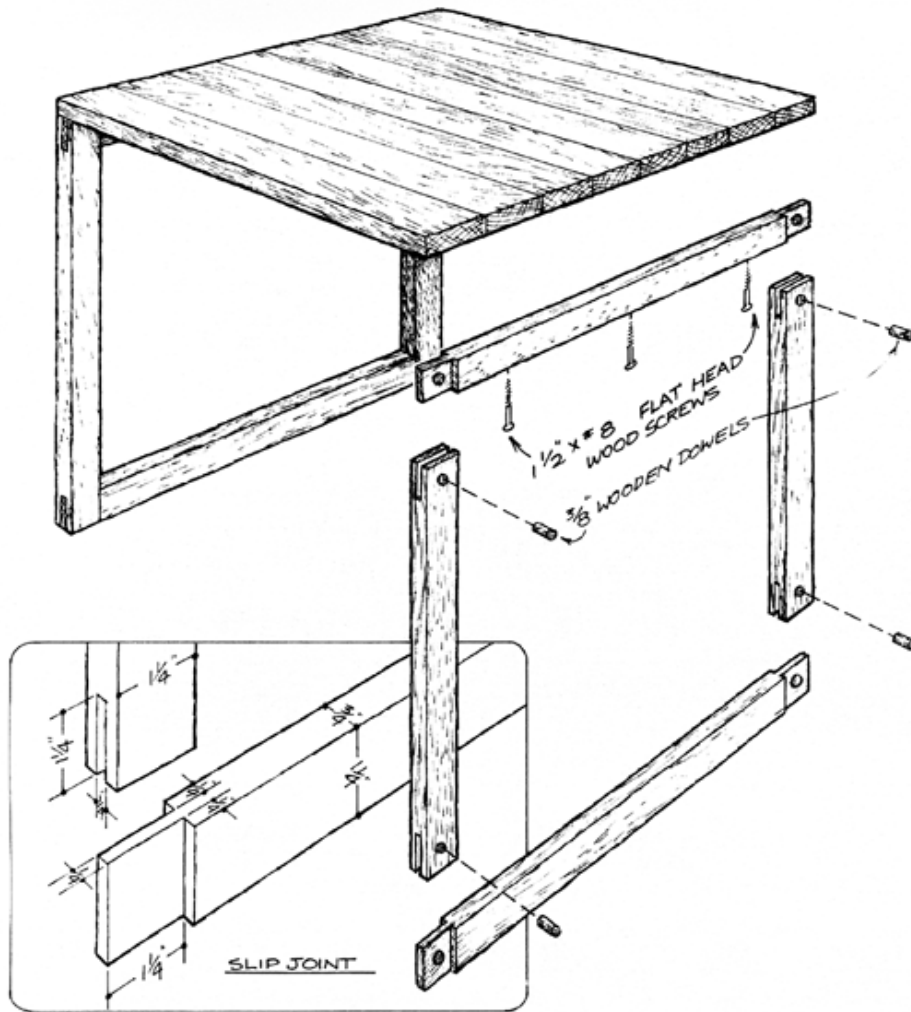




## **Project 18086EZ: Nesting Tables**

*These three little tables will nest out of the way when not in use, or form a set of serving tables that are both attractive and functional.*

# Nesting Tables Complete Schematic



# Nesting Tables Step-by-Step Instructions

**1. Use 2" wide by 16-1/2" long strips to make the tops, each 16" square and 3/4" thick. NOTE: Allow the extra length so you can trim to final size.**

2. Saw up the strips (eight pieces) and keep them arranged the way they came off the saw so they do not amplify the error if your blade is not perpendicular to the table.
3. Glue the top strips by spreading yellow (aliphatic resin) glue on both edges of the joint.
4. Apply a thin coat and rub the pieces together.
5. Clamp with bar clamps, alternating top and bottom to apply even pressure and minimize bowing the top.
6. Apply only enough pressure to close the joints.
7. **DO NOT** touch the glue squeeze out. Instead, let it harden and scrape it off, **BUT DO NOT** let the glue come into contact with the bar clamps or it will turn black.
8. Sand thoroughly and trim to size.
9. Inspect to see if the top is slightly bowed. If so, assemble it convex side up.
10. Cut the leg frames from 24 pieces of 1-1/4" wide x 16-1/8" long by 3/4" thick white oak.
11. Sand them flush as they are 1/8" oversize so you can.
12. Use a fine pencil or scribe to mark out the slip joints.
13. Use a back saw or band saw to cut on the outside of the tenon line for the tenons (see **Figure 1**), **BEING SURE TO** allow 1/16" extra at each end.
14. Saw off the cheeks at the tenons (see **Figure 2**).
15. Use scrap stock to test the fit of the mortise: Saw on the inside of the open mortise lines and chisel out the waste.
16. Make all pieces when everything looks satisfactory.
17. Clamp up the frames with yellow glue and bar clamps, applying **ONLY** light pressure so you don't bow the legs.
18. Use C-clamps to close the cheeks of the mortise tight to the tenons (see **Figure 3**).
19. Allow the glue to dry.
20. Sand flush and, being sure not to go all the way through so you don't tear out material when you set your dowels, drill a 3/8" hole in the frame corners.
21. Use a 3/8" dowel cutter to make long grain dowels from scrap stock.
22. Round the tips.
23. Use a sliver of wood to apply a very small amount of glue to the holes.

24. Drive the dowels home.
25. Sand flush when dry.
26. Drill and countersink each frame for three screws.
27. Final sand.
28. Screw the leg frames to the tops with six 1-1/2" x #8 flat head wood screws for each table.
29. Make the legs of the first table (see drawing) flush with the edge of the top.
30. Locate the legs of the second table to fit with slight clearance inside the first table.
31. Locate the legs of the third table to fit just inside the second table.
32. Finish with a penetrating oil and wax if desired.

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