

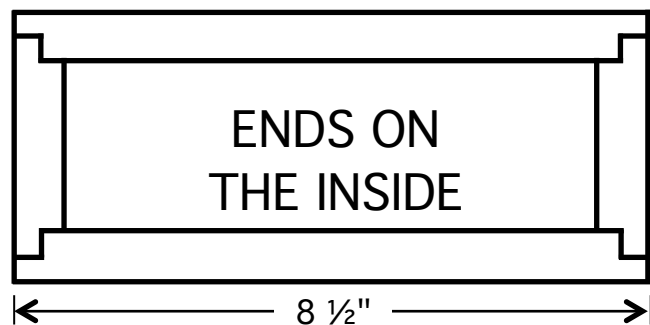
NAME \_\_\_\_\_

# WOODEN BOX PLANS

## Cross off steps as you complete them

1. Show Kuhn Plans and a pencil to get a 5 ½" X 8" **SIDE** piece of Pine.
2. Write name and number 1 & 2 on the ends and number 3 & 4 on the sides. **SHOW KUHN**
3. Using **ROUTER TABLES** cut dados with **NAME AND NUMBER SIDE UP**.
  - **ROUTER TABLE #1** cut numbers 1 and 2 only.
  - **ROUTER TABLE #2** cut numbers 1 and 2 first then cut numbers 3 and 4.
4. Show Kuhn Dados and a pencil to get another 5 ½" X 8" " **SIDE** piece of Pine.
5. Write name and number 1 & 2 on the ends and number 3 & 4 on the sides. **SHOW KUHN**
6. Using **ROUTER TABLES** cut dados with **NAME AND NUMBER SIDE UP**.
  - **ROUTER TABLE #1** cut numbers 1 and 2 only.
  - **ROUTER TABLE #2** cut numbers 1 and 2 first then cut numbers 3 and 4.
7. Show Kuhn Dados and pencil to get a 4 ¾" X 5 ½" **END** piece of Pine.
8. Write name on one of the sides and Kuhn will write the numbers for you.
9. Using **ROUTER TABLES** cut dados with **NAME AND NUMBER SIDE UP**.
  - **ROUTER TABLE #1** cut numbers 1 and 2 only.
  - **ROUTER TABLE #2** cut numbers 1 and 2 first then cut numbers 3 and 4.
10. Show Kuhn Dados and a pencil to get another 4 ¾" X 5 ½" **END** piece of Pine.
11. Write Name on one of the sides and Kuhn for Numbers.
12. Using **ROUTER TABLES** cut dados with **NAME AND NUMBER SIDE UP**.
  - **ROUTER TABLE #1** cut numbers 1 and 2 only.
  - **ROUTER TABLE #2** cut numbers 1 and 2 first then cut numbers 3 and 4.
13. **Glue 4 pieces together**
  1. Put glue on just the 5 ½" X 8" ends
  2. Glue the ends on the inside of the side pieces. Look at figure below and Kuhn's example on desk before you glue.

**SHOULD MEASURE 8 ½"**  
**FROM END TO END**



3. Put in Wooden Clamps
  4. Show Kuhn
  5. Put on back table to dry one day
14. Use Sanding Table to sand top and bottom flat.
  15. Show Kuhn project and pencil to get 5 ½" X 8" **BOTTOM** piece
  16. Write name and number 1 & 2 on the ends and number 3 & 4 on the sides. **SHOW KUHN**
  17. Using **ROUTER TABLES** cut dados with **NAME AND NUMBER SIDE UP**.
    - **ROUTER TABLE #1** cut numbers 1 and 2 only.
    - **ROUTER TABLE #2** cut numbers 1 and 2 first then cut numbers 3 and 4.

18. Stamp first and last name on the Dado side of the bottom piece.
19. Glue the bottom piece in place.
20. Put in vice at table and with used sandpaper sand pencil marks off project while in vice. Rotate every five minutes. **Keep in vice until clean up**
21. Show Kuhn project and pencil to get 5 ½" X 8" **TOP** piece.
22. Write name and number 1 & 2 on the ends and number 3 & 4 on the sides. **SHOW KUHN**
23. Using **ROUTER TABLES** cut dados with **NAME AND NUMBER SIDE UP**.
  - **ROUTER TABLE #1** cut numbers 1 and 2 only.
  - **ROUTER TABLE #2** cut numbers 1 and 2 first then cut numbers 3 and 4.
24. Stamp first and last name on the Dado side of the top piece.
25. Show Kuhn box with top piece in place to get brand new piece of 60 grit Sand paper.
26. Sand all pencil marks off and all sides even.
27. Show Kuhn **BEFORE** going onto the next step for numbers.
28. Go to Router Table marked **STEP 28** and route numbers 1 and 2 first, then 3 and 4.
29. Hand in 60 grit to get 200 grit and sand everywhere with 200 grit
30. Hand in 220 Grit to get 600 grit and sand all over with 600 grit
31. Hand in 600 grit before you stain.
32. Stain project then put in cabinet to dry.
33. Calculate how many board feet of Pine you used to make the Wood Box.

### Example Bill of Materials

Part Name	Stock Size		Board Feet
	Length	Width	Length X Width/144
FORMULA	A	B	Round to nearest hundreth (A X B)/144 = C
EXAMPLE	12	6.5	(12 X 6.5)/144 = 0.54

### Wooden Box Bill of Materials

Find the length and width for Sides, End, Bottom, Top, and End pieces in the step 1, 7, 15, and 21.

Part Name	Stock Size		Board Feet
	Length	Width	Length X Width/144
SIDE			Round to nearest hundreth
SIDE			
END			
END			
BOTTOM			
TOP			
Grand Total			

You can use a calculator to calculate the Board Feet.  
You will use these numbers when you fill out the evaluation.

34. Show Kuhn Bill of Materials filled out to get Evaluation.
35. Go onto next step the day after you stained your project.
36. Hand in this paper, Evaluation, and Project (in the Cabinet) to get project graded.