Modern Barn Door DIY
By Kourtni Leigh www.houseonlongwoodlane.com

Step 1: Make cuts and prep wood

Step 1 Directions:
Make the barn door base out of a 4x8 sheet of 3/4” plywood cut at 86” in length and 36” in width. This can be cut at Home Depot or at home with a table saw or circular saw.

The pine trim is purchased per linear foot at Home Depot, meaning you cut what you need and leave the rest. Find the longest straightest pieces you can and have them cut to size. 19 pieces at 63” in length for vertical slats and 9 pieces cut at 36” for horizontal slats. Around 127 LF of pine slats.

Cut your 1x3x8 select pine at 36” in length. Do not use a 1x3x6 because you need to cut off the ends to make sure you have straight even boards.

Sand and stain all your pieces before attaching to plywood base.
Step 2: Attach top and bottom 1x3’s

**Step 2 Directions:** Attach 1x3 @ 36” in length to the top and bottom of the plywood base. Use wood glue and clamps to hold in place. Attach with brad nailer and 3/4” brad nails.

Step 3: Attach vertical slats

**Step 3 Directions:** Use wood glue and a bradnailer with 3/4” bradnails to secure slats to plywood base. Make sure they are even and nail down when wood glue is still wet/tacky. With these 3/4” slats they warp easily, so bending them a tad to straighten out while attaching will be necessary.

There should be 19 vertical 63” pieces at about 1” apart. Dry fit and mark with a pencil then use wood glue and a brad nailer for each piece. The 3/4” slats should butt up against the top of the 1x3 and line up evenly 1/4 of the way down the door.
Step 4: Assemble dog door cabinet base
Step 4 Directions: The top slats will all meet 1/4 of the way down the door, you will then switch your slats to horizontal and attach the same way. There should be 9 - 3/4” slats at 36” in length attached about 1” apart.

Step 5: Add divider pieces

Step 5 Directions: Use scrap wood to create the door handle. Use wood glue and brad nailer to attach the 8 13/16” piece to the (2) 1 7/16” pieces. Drive the brad nail through the top of the 8 13/16” piece to form the handle.

Use wood glue to attach the door handle to the wood slat and use brad nails to secure through the back of the door. Measure how far in the handle comes on the front and measure and mark on the back to find where the brad nails need to go.
SHOPPING LIST:

- 1 - 4x8 sheet of plywood
- 1 - 1x3 @ 8FT
- 127 LF of 3/4” pine trim
- 16 - 1 1/4” Kreg screws
- 4 -2” Kreg screws
- 1 Box of 3/4” Brad Nails
- 1 3/4” Brad Nails
- 180 and 250 grit sand paper
- Buffer Pad
- Wiping Cloths
- Staining Sponge
- Varathane 1QT in Flagstone Stain

TOOLS:
Tape Measure
Wood Glue
Pencil
Safety Glasses
Ear Protection
Mask
Miter Saw
Sander (or Sanding Sponge)
Brad Nailer

CUT LIST:

1 - 4x8 sheet of plywood @ 86” x 36”
1 - 1x3 @ 8FT cut at (2) 36”
19 - 3/4” slat pieces @ 63”
9 - 3/4” slat pieces @ 36”

SKILL LEVEL:
Beginner

PROJECT COST:
$150

Let me know if you have any questions about anything building wise or product questions! I’m an open book :)

For more behind the scenes on all of our DIY and home projects be sure to follow along on Instagram: @kourtnileigh. To see all of our inspo and upcoming projects be sure to follow along on Pinterest @houseonlongwoodlane

XO Kourtni