

# BARN DOOR

**DESIGN:** REAL CEDAR ORIGINAL

Create a one-of-a-kind look with this easy-to-build, sliding Western Red Cedar Barn-Style door. This unique design feature will look stylish in just about any kind of space – be it a traditional home or a funky loft. And because it’s made with naturally beautiful Western Red Cedar, it’s bound to be a real showpiece in your space. After all, nothing looks, feels and smells quite like naturally beautiful Real Cedar.

In terms of WRC grades, choose Architect Knotty for a more rustic

look and Architect Clear for a polished contemporary look. And when it comes to specifying sizes, we recommend asking your local Real Cedar retailer if they have any short lengths in stock. Using short lengths means less cutting, less waste and more savings for you.

For more fast facts on building with Real Cedar, download our free DIY app - available on the Apple App Store for iOS and at Google Play for Android.

## WHAT YOU’LL NEED

Part #	Description	FINISHED SIZE			Nominal Sizes	Material	Qty
		Thickness	Width	Length			
A	Vertical Front	3/4"	5-1/2"	*	1x6x8'	WR Cedar Smooth	2
B	Horizontal Front Top	3/4"	5-1/2"	37"	1x6x4'	WR Cedar Smooth	1
B1	Horizontal Front Bottom	3/4"	9-1/2"	37"	1x10x4'	WR Cedar Smooth	1
C	Vertical Inside	3/4"	1-1/2"	*	1x2x8'	WR Cedar Smooth	2
D	Horizontal Inside Top	3/4"	1-1/2"	48"	1x2x4'	WR Cedar Smooth	1
D1	Horizontal Inside Bottom	3/4"	1-1/2"	48"	1x2x4'	WR Cedar Smooth	1
E	Angle Backing	3/4"	5-1/2"	Various Lengths	1x6x8'	Rough Cedar Fence Boards	10
F	Vertical Back	3/4"	5-1/2"	*	1x6x8'	T&G Select	12
<b>Hardware</b>							
G	1-1/4" Nails or Screws					Stainless Steel	200
H	2" Screws					Stainless Steel Screws	12

\* Determine door height by measuring the opening it is to be mounted over. Make door the same height as the opening or taller, as desired, provided there remains 6" of clearance between door and ceiling for slider hardware. Cut each piece indicated by \* to the measurement you decide for the overall height of the door.

**NOTE:** Real Cedar is not responsible for any personal injury or property damage sustained in connection to these guidelines.

## FASTENER PRO TIPS

### Determine if this door will be an interior or exterior application.

Acclimatize wood prior to assembly, keeping in mind interior applications require longer acclimation time.

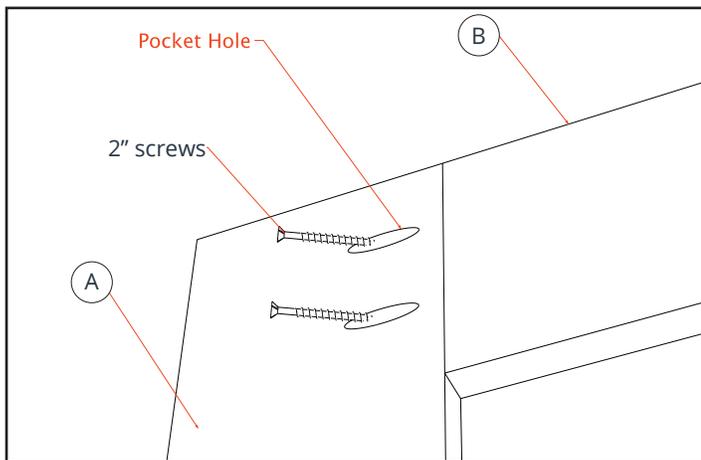
For **interior** application use **standard wood glue** and follow manufacturer instructions.

For **exterior** application use **polyurethane construction adhesive**.

Polyurethane is more awkward to work with so here are some tips.

- Wear gloves. Avoid drips. Polyurethane adhesive will not wash off.
- Spread a thin even layer on joint surface but stay 1/2" away from edges where excess adhesive might cause a mess and unsightly bleed out.
- Press glued joint pieces together, then pull apart for a second before pressing them firmly back together. This helps activate the glue to set more rapidly.
- Use clamps to keep pieces in position while driving in screws. Freshly glued joints can easily slide out of place.

**\*Acquire a Pocket Hole Jig to pre-drill for the pocket hole screws.**

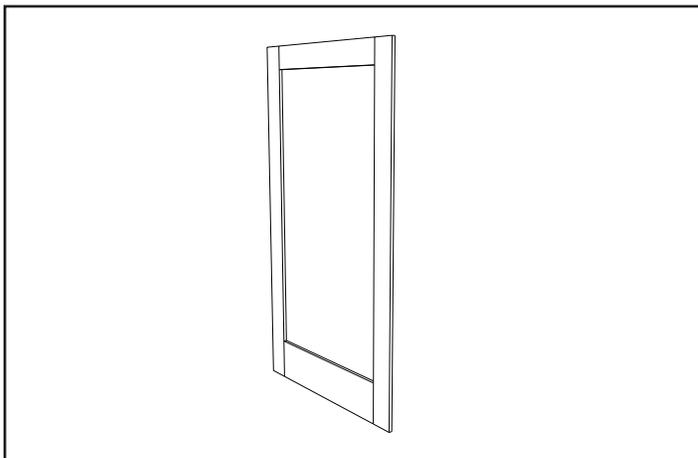


### STEP 1 - Assemble Face Frame

Lay out both (A) vertical pieces and (B) top & bottom horizontal pieces face down on work surface and square each corner. Connect all four pieces with a bead of glue and 2" pocket screws. 2 or 3 screws per joint is sufficient.

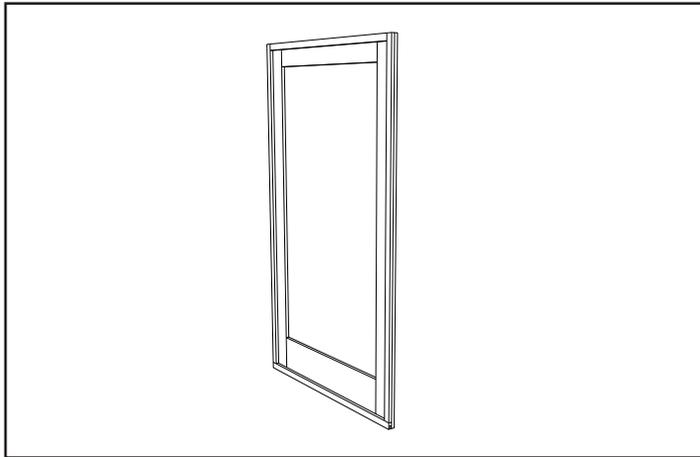
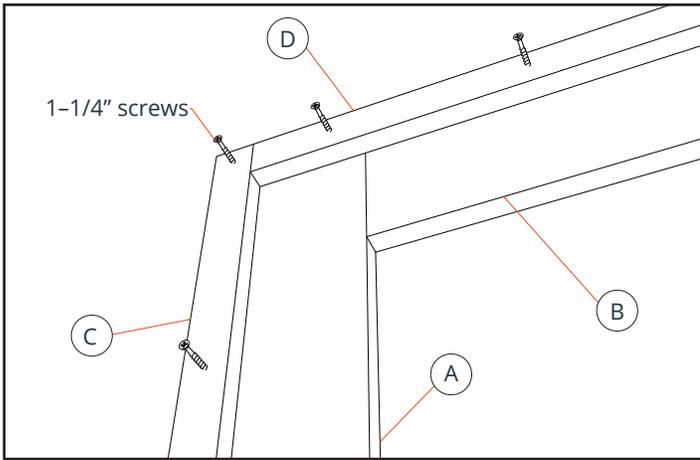
### PRO TIPS

- Clean work surface before laying out the door pieces to avoid scratches or dents from any debris trapped beneath face boards while door is being assembled.
- Cut (B) top & bottom horizontal pieces slightly longer than called for as you may want to trim them to achieve precision square corner joints.



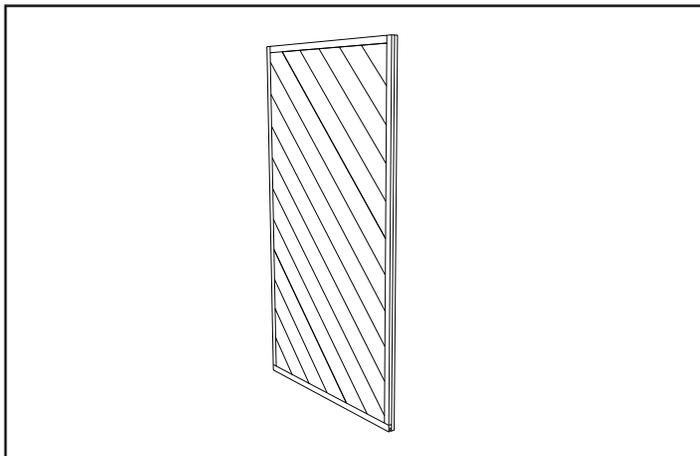
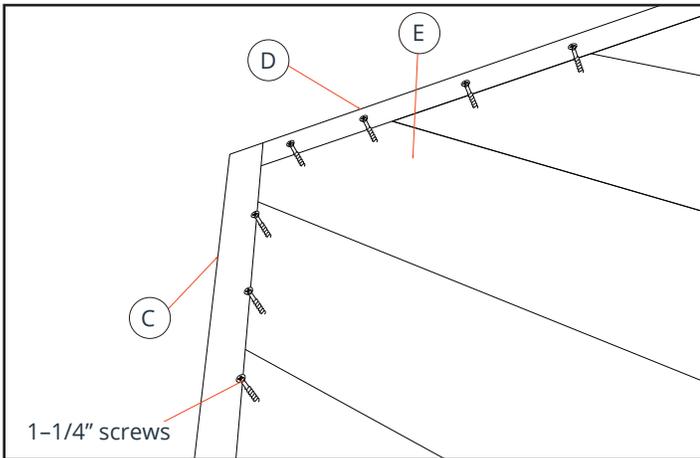
## STEP 2 – Build Mid Frame

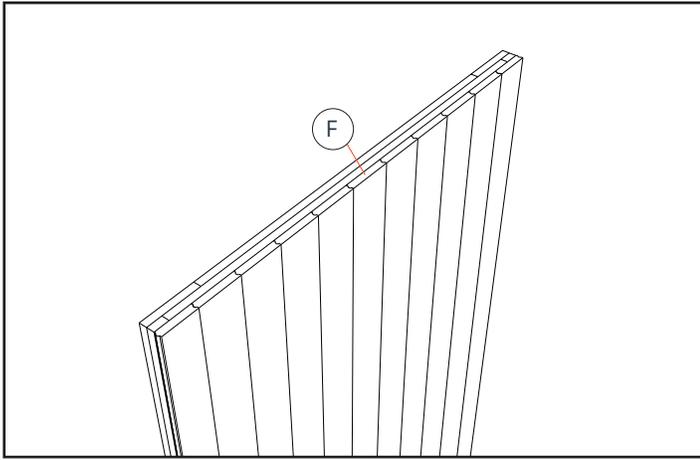
Align (C) & (D) pieces on the outer edge of the face frame (finish face is still down on worktable). Apply glue and then use 1-1/4" nails or screws, attach Mid Frame (C) & (D) to Face Frame.



## STEP 3 – Install Angle Slats

Start installing (E) pieces from the center of the door and working outward to corners by cutting a 45 degree angle at one end and laying it inside the mid frame at 45 degrees. Mark it for length and direction of angle where it meets the mid frame on the other side. Cut at mark and install using a bead of glue in the area where the slats sit inside frame and fixing with 1-1/4" nails or screws.



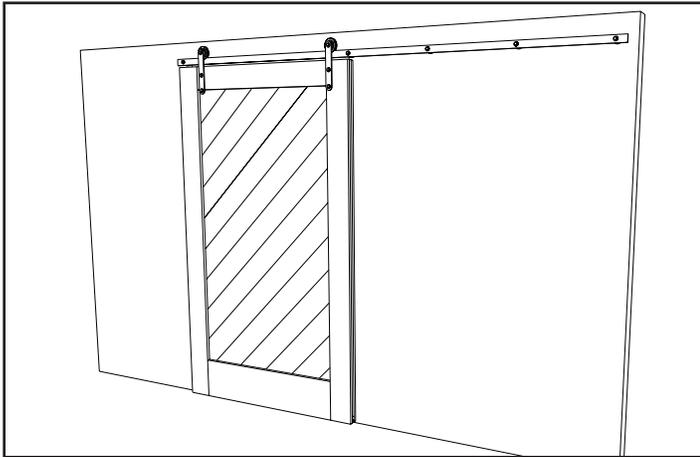


#### STEP 4 - Install T&G

Attach (F) pieces onto the angled slats using a bead of glue along the length of each board and fasten with 1-1/2" nails at an angle just above the tongue approximately every 12".

#### PRO TIP

For a balanced layout of (F) pieces place one (F) piece at the center of the door and measure to each edge in order to calculate how much needs to be cut off the two (F) pieces on the outer edges. Cut the first piece and install then continue with the rest. Measure the space remaining to cut and install the final piece.



#### STEP 5 - Mount Door

Mount door, using the hardware kit of your choice. Make sure anchor bolts are securely fastened in solid door header or concrete.