



IMPORTANT INFORMATION

CONTACT US

For questions, feel free to contact us by phone or email:

- Phone: 1-(800)-JELD-WEN/1-(800)-535-3936
- Email: customerserviceagents@jeldwen.com

PRECAUTIONS AND SAFETY

- Read and fully understand ALL manufacturer's instructions before beginning. Failure to follow proper installation and finishing instructions may result in the denial of warranty claims for operational performance problems.
- Kit contents are not to be resized outside of the limits on page 4. Modifying the kit contents beyond this will result in the denial of warranty claims.
- Do not work alone. Two or more people are required. Use safe lifting techniques.
- Wear protective gear (e.g. safety glasses, gloves, ear protection, etc.).
- Operate hand/power tools safely and follow manufacturer's operating instructions.
- If disturbing existing paint, take proper precautions if lead paint is suspected (commonly used before 1979). Your regional EPA

(www.epa.gov/lead) or Consumer Product Safety Commission offices provide information regarding regulations and lead protection.

- **WARNING:** Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the State of California to cause cancer. Use a respirator or other safeguards to avoid inhaling wood dust.
- Hand fasten & tighten all fasteners with appropriate tool.
- If door includes glass panels, ensure drilling for handle or finger pull will not interfere with glass.
- Only one door can be hung onto a track.

MATERIALS AND DOOR HANDLING

- Allow doors to acclimate to local conditions for at least 24 hours before finishing.
- Store door in dry, well-ventilated area.
- Do not drag the door slab on the floor.
- Protect from exposure to direct sunlight during storage.

IF INJURY OCCURS, IMMEDIATELY SEEK MEDICAL ATTENTION!

MATERIALS AND TOOLS

NEEDED MATERIALS

- (1) 1 3/8" Solid Core Door Slab (NOT included, see page 2)
- (1) Backer board (NOT included, see page 2)
- Paint/stain/sandpaper for door and backer board (optional)
- Scrap Wood (optional, blocking for predrilling)
- Tape
- Black paint (optional, for resizing Rustic kits for custom width door).

NEEDED TOOLS

- 3/32" drill bit
- 1/8" drill bit
- 5/32" drill bit
- 1/4" drill bit
- 1 1/4" Forstner bit (for optional finger pull installation)
- (2) Clamps
- Level
- Stud finder
- Hand saw
- Phillips head screw driver
- Adjustable wrench
- Safety glasses
- Pencil/Pen
- Miter saw with metal cutting blade (optional, for resizing kit for custom width door)
- Metal file (optional, for resizing kit for custom width door)

Visit jeld-wen.com/product-support for installation and finishing instructions and how-to videos.

SELECTING THE CORRECT SIZED DOOR FOR THE INSTALLATION

DOOR SPECIFICATIONS

- Door being used for kit must have two top rails.
- Door must weigh less than 120 lbs.

DOOR HEIGHT

The height of the door used with the kit is dependent on the openings height. Consult Table 1 for common opening sizes. If installing above thick carpet, be sure to firmly press the tape measure to base of carpet to obtain the openings height (X).

Opening Height (X)	Door Height
$X \leq 81$	80"
$X \leq 81 \frac{1}{8}"$	$80 \frac{1}{8}"$
$X \leq 81 \frac{1}{4}"$	$80 \frac{1}{4}"$
$X \leq 85$	84"
$X \leq 85 \frac{1}{8}"$	$84 \frac{1}{8}"$
$X \leq 85 \frac{1}{4}"$	$84 \frac{1}{4}"$
$X \leq 97$	96"
$X \leq 97 \frac{1}{8}"$	$96 \frac{1}{8}"$
$X \leq 97 \frac{1}{4}"$	$96 \frac{1}{4}"$
Custom Opening Height	$= X - 1"$

Table 1. Opening Height vs. Door Height

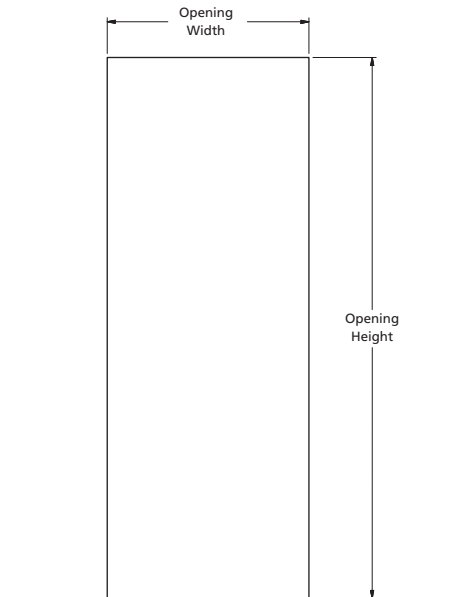


Figure 1. Opening Width and Height

DOOR WIDTH

The selected door should be no wider than the kit's rail width, but at least 6" wider than the opening width.

STILE WIDTH

Definition: **Stile** – a vertical piece in the frame of a paneled door.

To install the included finger pull, it is recommended a door without stiles is used, or a door with stiles that are at least 4 11/16" in width, 5" in width if door includes glass panels.

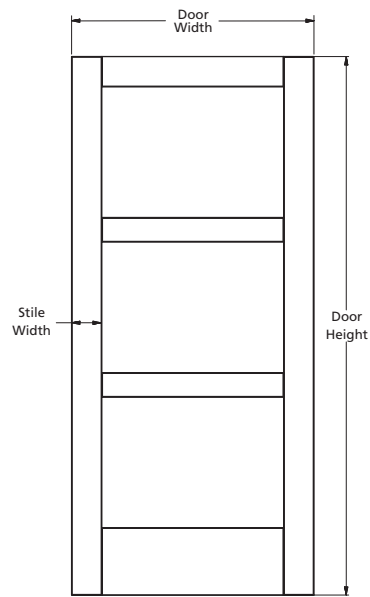


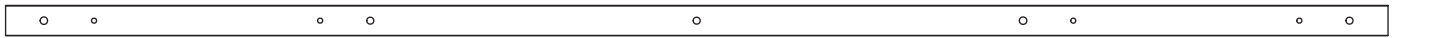
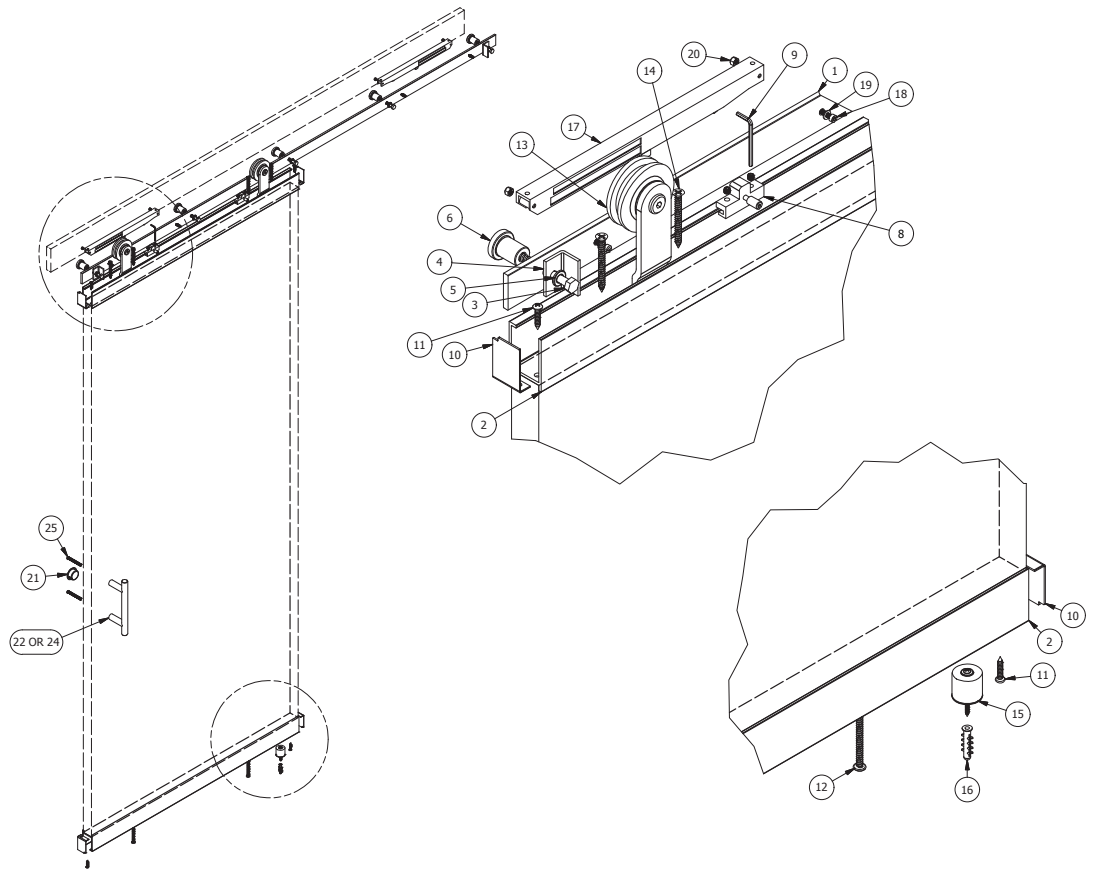
Figure 2. Door Width, Height and Stile Width

SELECTING A BACKER BOARD

This kit is designed to be installed with the use of a backer board – a piece of lumber that installs between the barn door's track and the wall used for installation. The backer board allows you to fasten the system to wall studs, creating a more secure structure.

A 1" x 4" (3/4" x 3 1/2") Pine backer board is recommended, cut to the length of the kit's track (either 72" or 84"). The board must be a species of wood with a density equal to or greater than Pine. Ensure the board does not have any large knots obstructing the fastening points from the backer board to the wall, or the backer board to the track (see Page 7).

BILL OF MATERIALS

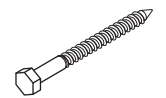


SOFT CLOSE TRACK (1)

1

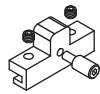
RAIL (2)

2



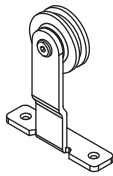
LAG M8 X 90mm (5/6)

3



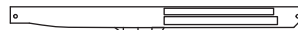
TRIGGER ASSEMBLY (2)

8



HANGER (2)

13



SOFT CLOSE (2)

17

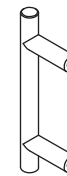


SOCKET HEAD, M4 X 35mm (4)

18

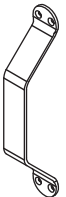
MODERN KIT

RUSTIC KIT



MODERN HANDLE (1)

22



RUSTIC HANDLE (1)

24



BUTTON HEAD SCREW, M6 X 55mm (2)

23



FLAT HEAD, #8 X 3/4" (4)

25



PASSIVE END STOP (2)

4



ALLEN WRENCH, 3mm (1)

9



FLAT HEAD, #14 X 2 1/2" (4)

14



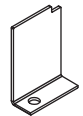
WASHER, M6 (4)

19



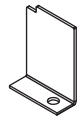
WASHER, M8 (5/6)

5



LEFT END CAP (2)

10



RIGHT END CAP (2)

10



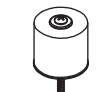
STANDOFF (5/6)

6



PAN HEAD, #10 X 1" (4)

11



FLOOR GUIDE ASSEMBLY (1)

15



LOCKING NUT, M4 (4)

20



FLAT HEAD #9 X 2-1/2" (10/12)

7



PAN HEAD, #14 X 2 1/2"

12



FLOOR ANCHOR (1)

16



FINGER PULL (1)

21



ALLEN WRENCH, 4mm (1)

26

SIZING RAIL AND PREDRILLING FOR END CAPS

DesignGlide hardware is capable of being cut down 6" from the kit's stock rail length to support custom width doors'

Kit	Max Door Width	Minimum Door Width
36" (72" track)	36"	30"
42" (84" track)	42"	36"

Table 2. Minimum Door Width

If you are using a door width that is smaller than the kit's stock rail width, follow the steps below. If not, skip to the next step, predrilling for the end caps.

Sizing Rails

- Both the top and bottom rails need to be cut symmetrically. Use the formula below to figure out your cut dimension 'A'.

$$A = \frac{\text{Rail Width} - \text{Door Width}}{2}$$

- Mark each rail at the 'A' dimension.
- Slowly cut both rails symmetrically with a miter saw, using a metal cutting blade.
- Finish and break all edges with file/fine sand paper.
- If using a rustic kit, refinish ends with black paint.

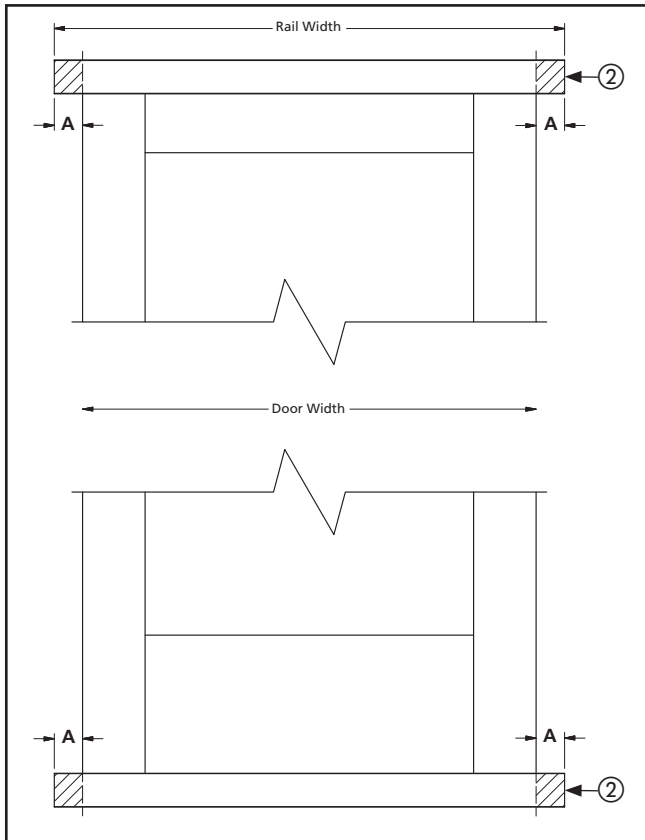


Figure 3. Cutting Rails for Custom Width Door

Drilling for End Caps

Place rail in configuration seen in Figure 4.

- Place an end cap inside the rail, ensuring it fits flush with end of the rail.
- Rotate the end cap to the top of the rail as shown in Figure 4.
- Mark the end cap's fastening hole on rail.
- Predrill through the rail using a 1/4" drill bit.
- Repeat for the remaining ends of both rails.

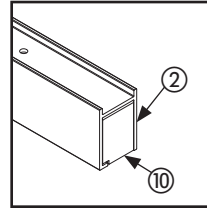


Figure 4. Matching End Cap to Rail

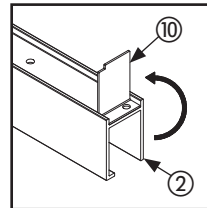


Figure 5. Marking End Cap on Rail

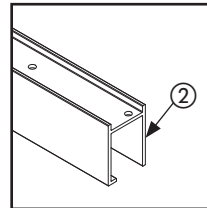


Figure 6. Rail Predrilled for End Cap

STEP 1: DOOR HARDWARE INSTALLATION

Predrill for handle.

If the door design selected for this kit includes stiles, it is recommended that the handle is installed at the center of the stile. This can easily be achieved through the use of the rulers included on the Handle Drill Guide, on Page 12. Simply measure the stile width of the door, and fold the guide along the same measurement, shown in Figure 7.

If the door does not include stiles, fold as indicated on guide.

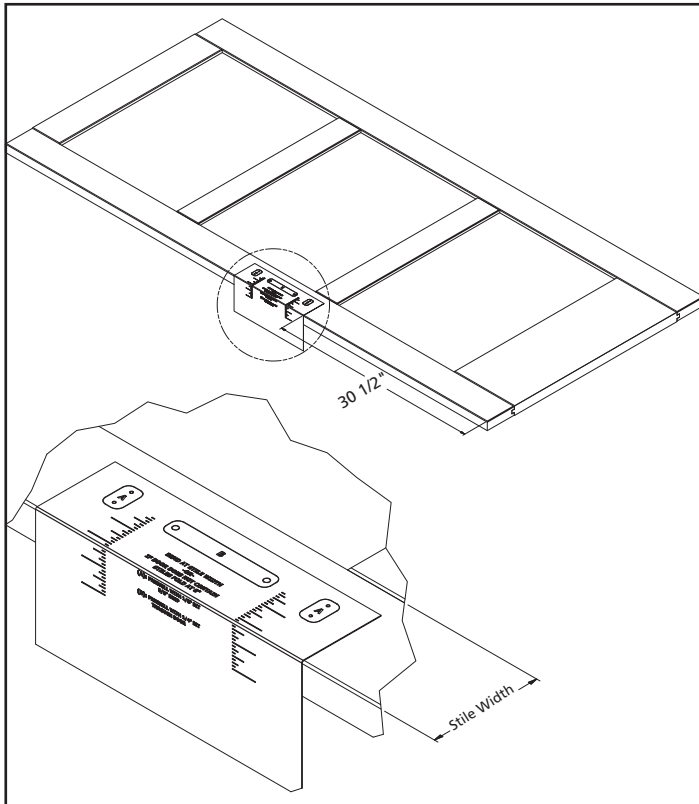


Figure 7. Aligning Handle Drill Guide to Door.

Before predrilling the door, ensure the handle is being installed on the side of the door that will be closest to the opening when the door is in the opened position.

Predrilling handle

1. Remove the Handle Drill Guide on Page 12.
2. Fold the guide along rulers at the correct stile width.
3. Place the bottom edge of the Handle Drill Guide 30 1/2" above the bottom of the door as seen in Figure 7.
4. Tape the Handle Drill Guide in place.
5. Predrill for kit's handle as indicated on guide, to diameter and depth prescribed.

Note: If drilling for the Modern handle apply blocking to the back of the door, clamping it in place under the area of door that will be drilled through. This will help create a clean hole through the door.

Predrilling for finger pull.

An optional finger pull is included in the kit. Before installing, ensure your door design adheres with the stile width guidelines on Page 2.

1. Remove the Finger Pull Drill Guide on Page 13.
2. Fold as indicated on guide and wrap guide around door, placing the guide on the backside of the door, aligning the bottom edge 30 1/2" above the bottom of the door as shown in Figure 8.
3. Tape the finger pull guide in place.
4. Predrill to diameter and depth indicated on guide.

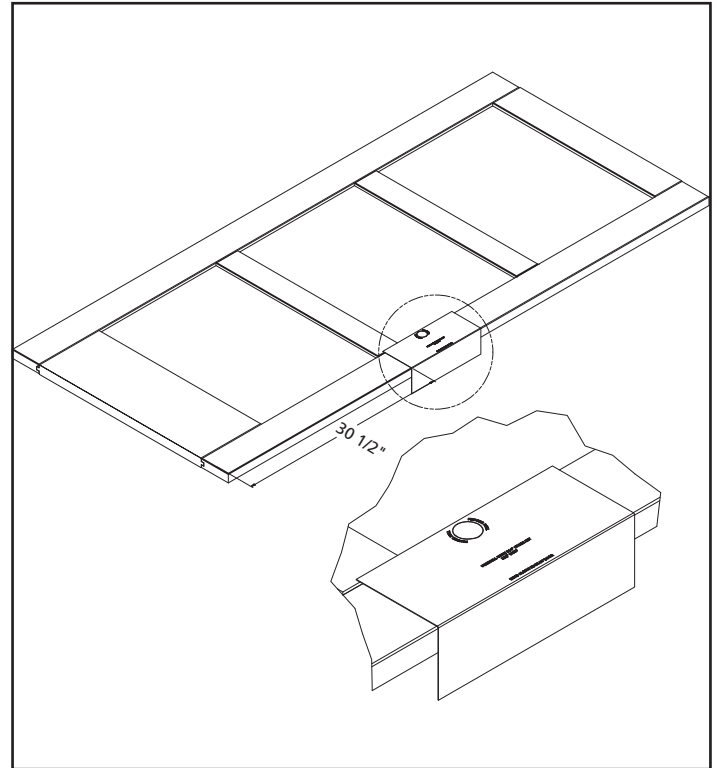


Figure 8. Aligning Finger Pull Drill Guide to Door.

Note: After predrilling for the handle and/or finger pull, sand/paint/stain the door if desired.

STEP 2: TOP AND BOTTOM RAIL INSTALLATION

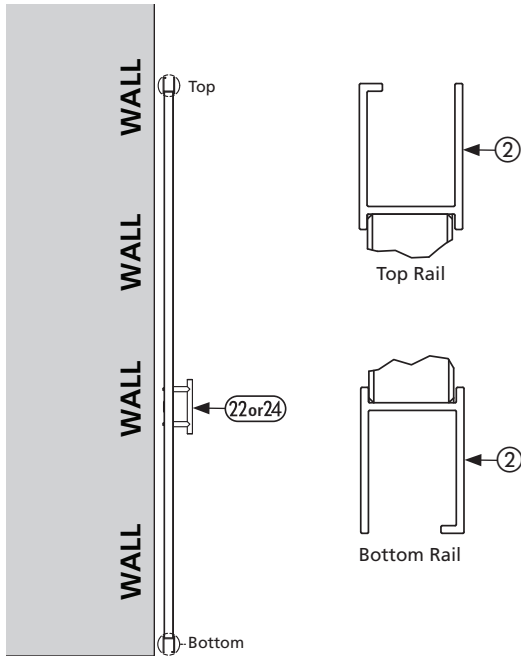


Figure 9. Rail Orientation

Predrill bottom rail.

1. Align one of the two rails ② to bottom of door, as shown in Figure 9.
2. Mark the center of holes 1, 3, 4 and 6 as shown in Figure 10, (holes 2 and 5 will not be used on the bottom rail), remove the rail.



Figure 10. Mounting Pattern

3. Predrill holes 1 and 6 with an 1/8" bit, 3/4" deep.
4. Predrill holes 3 and 4 with a 5/32" bit, 1 7/8" deep.

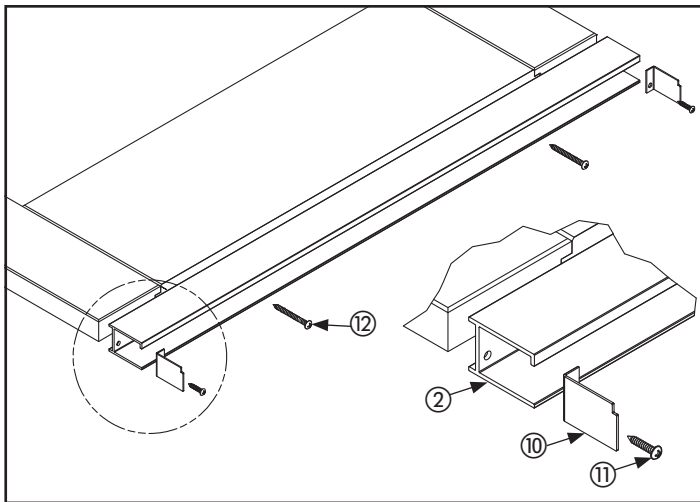
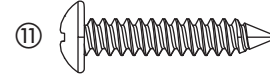


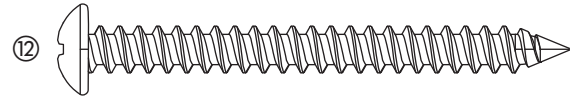
Figure 11. Attach Rail to Bottom of Door

5. Realign rail to the bottom of the door in the same configuration as the door was predrilled.

6. Fasten the rail ② to the bottom of the door with (2) #14 x 2 1/2" pan head screws ⑫.
7. Install the end caps into holes 1 and 6 using (2) #10 x 1" pan head screws ⑪.



Pan Head, #10 x 1" (2)



Pan Head, #14 x 2 1/2" (2)

Predrill top rail.

1. Align other rail ② with the top of door, shown in Figure 9.
2. Mark the center of all holes, remove rail.
3. Predrill holes 1 and 6 with an 1/8" bit, 3/4" deep.
4. Predrill holes 2, 3, 4, and 5 with a 5/32" bit, 1 7/8" deep.

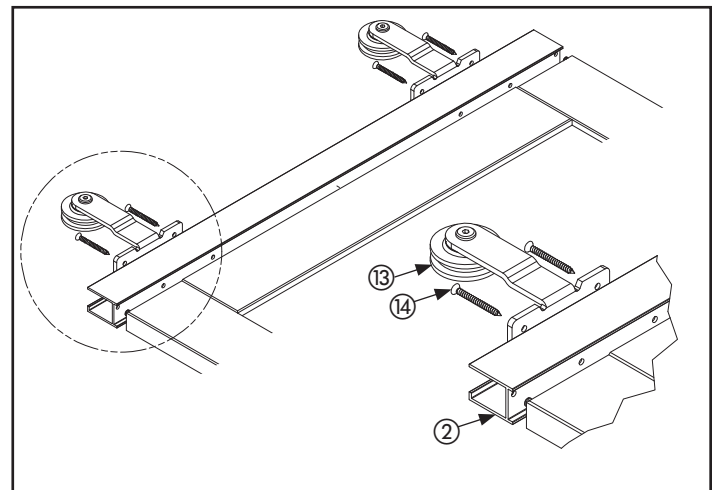
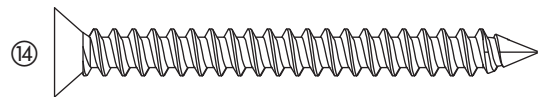


Figure 12. Attach Rail and Hangers to Top of Door

5. Realign rail ② to the same configuration as the door was predrilled.
6. Place hangers ⑬ with the stem of the hanger aligned with the flat wall of the rail.
7. Fasten the hangers in place through holes 2, 3, 4, and 5 using (4) #14 x 2 1/2" flat head screws ⑭.



Flat Head, #14 x 2 1/2" (2)

STEP 3: BACKER BOARD INSTALLATION

Predrill backer board.

1. Clamp the track ① to the backer board, roughly 1" above the bottom edge.
2. Predrill through the 3/8" holes using a 3/16" bit, through the backer board.

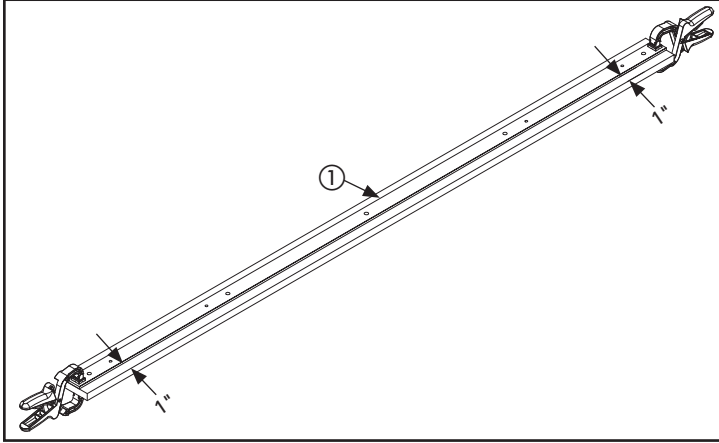


Figure 13. Predrilling Backer Board

Positioning backer board on wall.

1. The backer board offset is referenced from the inner surface of the opening that coincides with the closed position of the system. The offset distance is based on the kit size/door width. Reference Table 3 for the correct offset.

Kit Size	Door Width (DW)	Backer Board Offset
36" (72" track)	$30" \leq DW < 32 \frac{1}{2}"$	$= 68 - (2 * \text{Door Width})$
	$36" \geq DW \geq 32 \frac{1}{2}"$	3"
42" (84" track)	$36" < DW < 38 \frac{1}{2}"$	$= 80 - (2 * \text{Door Width})$
	$42" \geq DW \geq 38 \frac{1}{2}"$	3"

Table 3. Determining Backer Board Offset

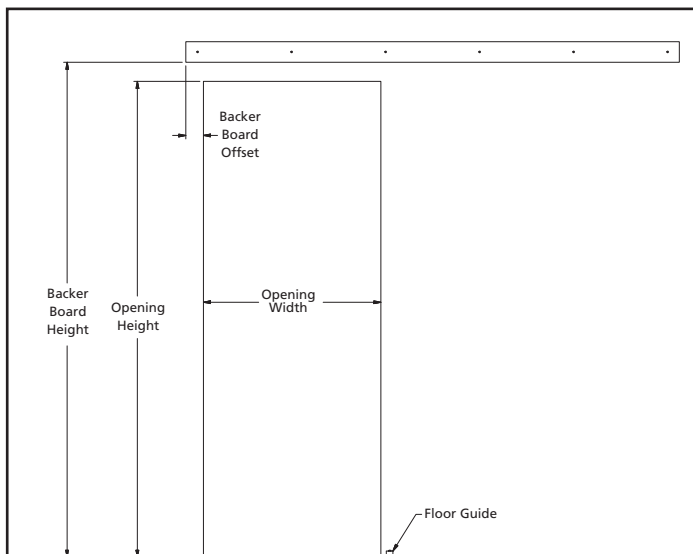


Figure 14. Backer Board Placement

2. The height of the backer board can be determined via the door height using Table 4.

Door Height (DH)	Backer Board Height
80"	84 1/4"
80 1/8"	84 3/8"
80 1/4"	84 1/2"
84"	88 1/4"
84 1/8"	88 3/8"
84 1/4"	88 1/2"
96"	100 1/4"
96 1/8"	100 3/8"
96 1/4"	100 1/2"
Custom Door Height	DH + 4 1/4"

Table 4. Door Height/Backer Board Height

Note: The floor below barn door must be level. If not, take opening and backer board measurements from highest point.

Note: If installing into thick carpet, firmly press the tape measure to the base of the carpet before making the backer board height measurement.

Predrill the backer board for stud attachment.

1. Using a stud finder, mark all stud locations on the wall that overlap with the placement of the backer board.
2. Mark stud locations on backer board.
3. With the backer board held in position, and leveled, predrill for the included wood screws using 1/8" bit (two screws per stud, evenly spaced vertically on backer board. The 72" kit comes with mounting hardware for 5 studs, the 84" kit comes with mounting hardware for 6 studs).

Note: After completing all predrilling of the backer board, sand/paint/stain the board if desired.

4. Once the desired finish is achieved, fasten the backer board to the wall with the included #9 x 2 1/2" flat head screws ⑦.

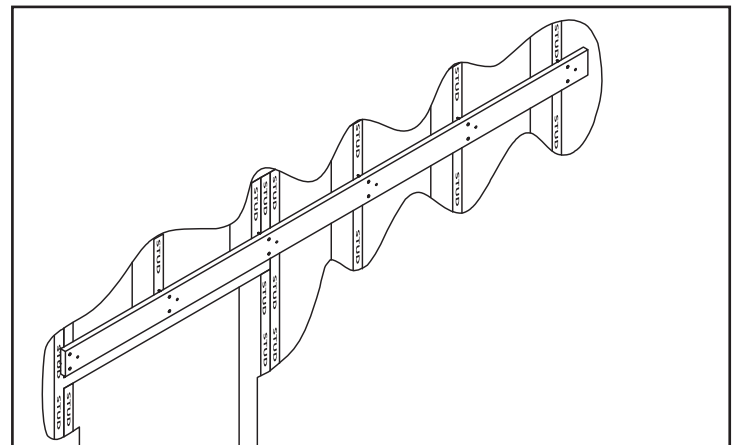


Figure 15. Backer Board Stud Alignment

STEP 4: TRACK INSTALLATION

Install soft close to track.

1. Align the soft closes ⑰ on the track as shown in Figure 16, with catches cocked towards the center of the track.
2. Fasten the soft close to the track using the supplied M4 x 35mm socket cap screws ⑱, M6 washers ⑲ and M4 locking nuts ⑳.
3. Fasten with supplied 3mm Allen wrench ⑨.

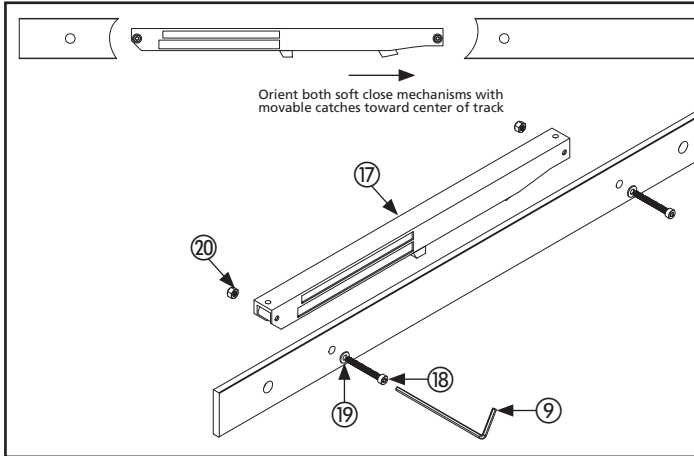


Figure 16. Soft Close Orientation

Fastening track to backer board.

1. Secure the first and last holes in the track ① using a 55mm lag bolt ③, M8 washer ⑤, passive end stop ④ and standoff ⑥.
2. Secure the rest of the holes with a 55mm lag bolt ③, M8 washer ⑤ and standoff ⑥.

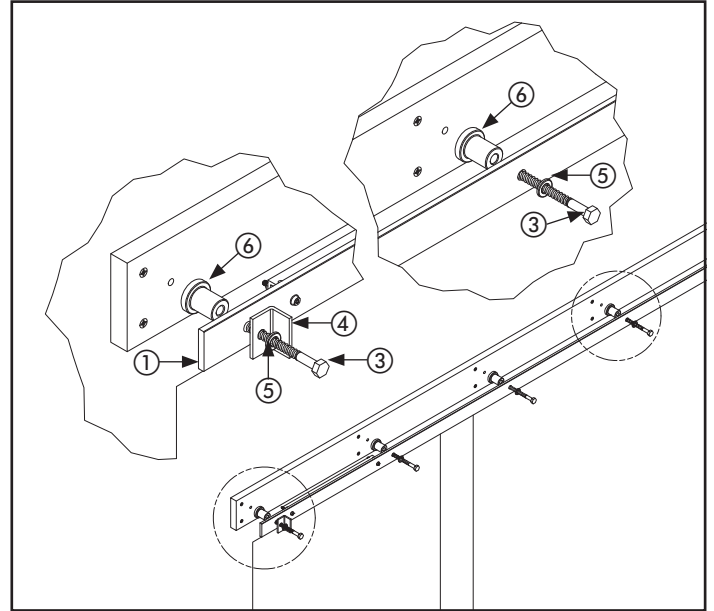


Figure 17. Track Assembly

STEP 5: FLOOR GUIDE INSTALLATION

1. Reference Figure 14 on Page 7, to locate the installation location of the floor guide, relative to open/closed positions of the system.
2. Using a pencil, mark 2" away from the wall and 1.5" in from the interior edge of the opening.

Note: If there is a baseboard, take its thickness into consideration.

3. Predrill with a 3/32" bit, 1" deep. If installing into a concrete floor, predrill with a 1/4" bit, 1 3/8" deep.
4. Assemble floor guide as shown in Figure 18. If installing into concrete, install floor ⑯ anchor into predrilled hole.
5. Hand tighten the floor guide in place, ensuring the rubber base has the ability to rotate.

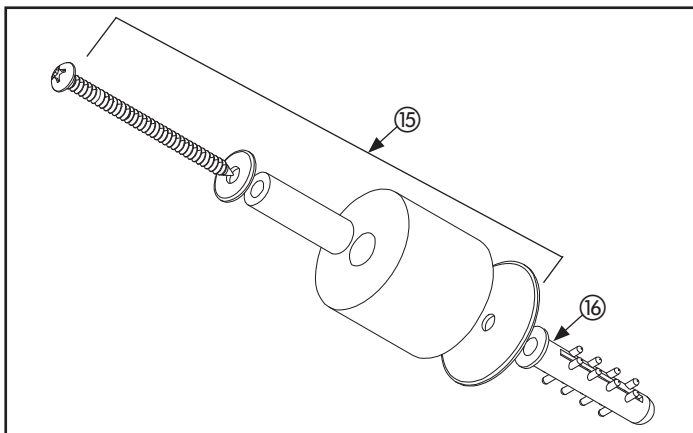
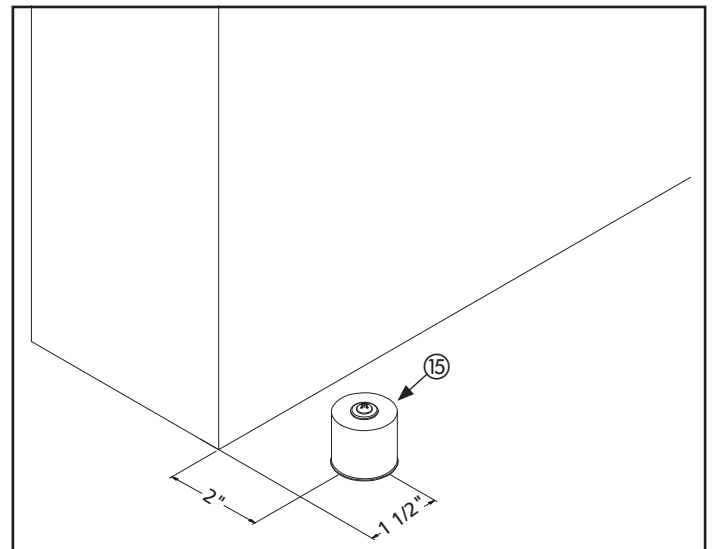


Figure 18. Floor Guide Assembly



STEP 6: HANGING BARN DOOR

Hang barn door on track.

1. Using two people, lift the door vertically and place the bottom rail over the floor guide (A).
2. Keeping the bottom rail over the floor guide (15), lift the door vertically and place hangers on the track (B).

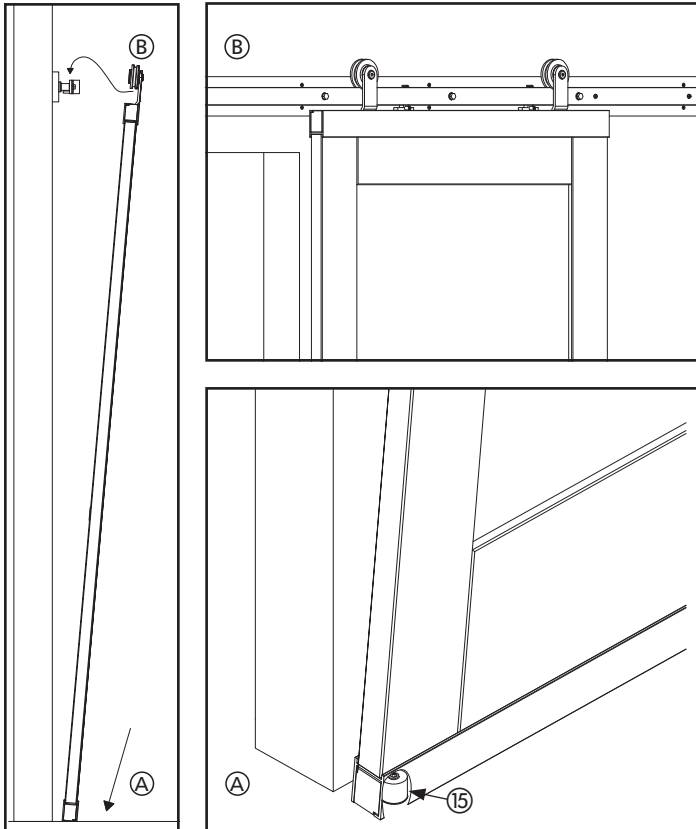


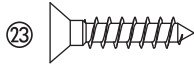
Figure 20. Hanging Barn Door

STEP 7: HANDLE AND OPTIONAL FINGER PULL INSTALLATION

RUSTIC KIT

Install the Rustic handle.

1. Secure Rustic handle ②② in place with (4) #8 x 3/4" flat head screws ②③.



Flat Head, #8 x 3/4" (4)

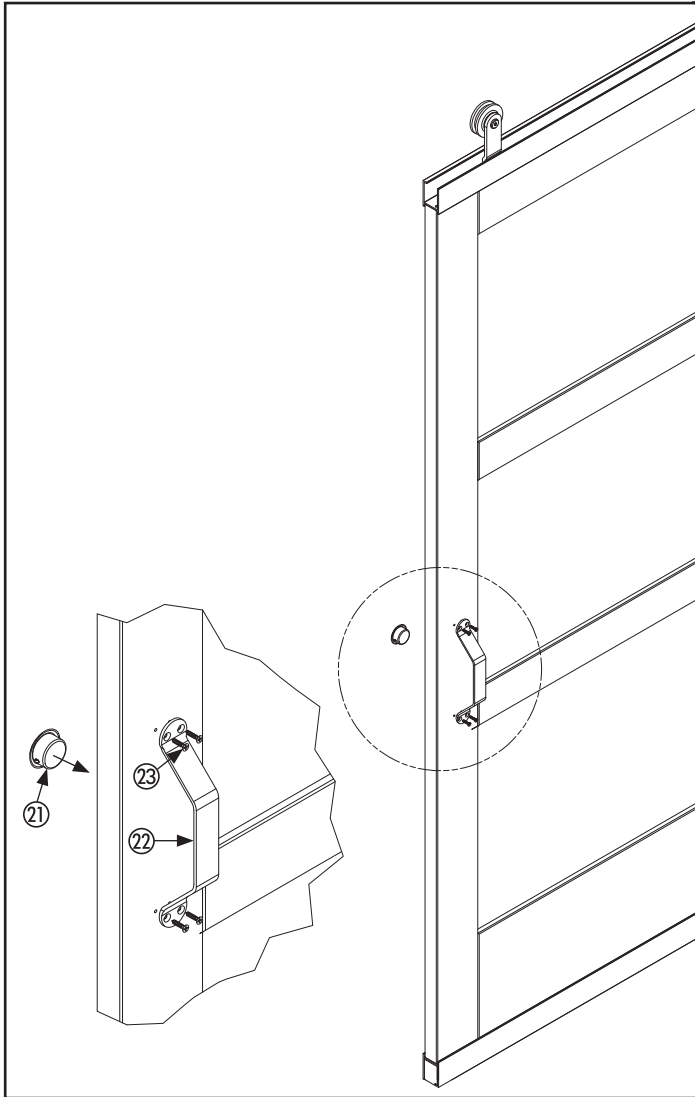


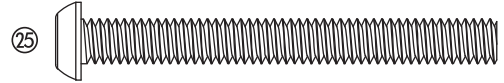
Figure 21. Rustic Handle Installation

2. (Optional) Press finger pull ②④ into predrilled hole.

MODERN KIT

Install the Modern handle.

1. Secure Modern handle using (2) M6 x 55mm button heads screws ②⑤ with supplied 4mm Allen wrench ②⑥.



Button Head, M6 x 55mm (2)

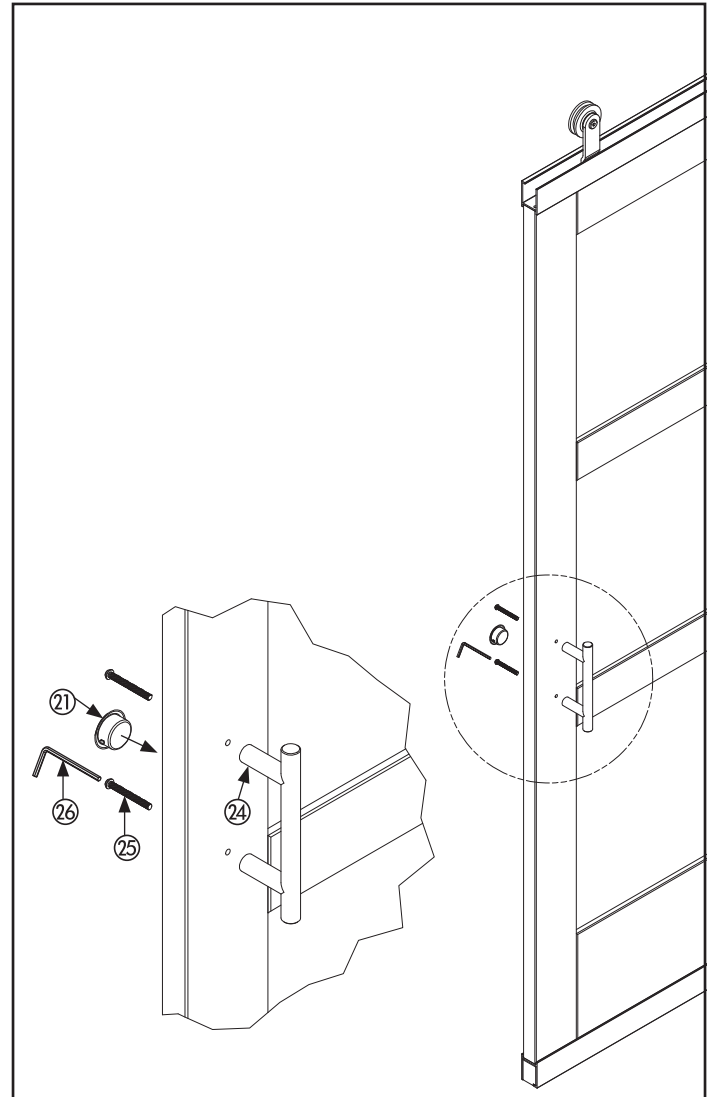


Figure 22. Modern Handle Installation

2. (Optional) Press finger pull ②⑦ into predrilled hole.

STEP 8: INSTALL AND ADJUST SOFT CLOSE

Attach soft close triggers.

1. Tighten anti-jump rods into the soft close trigger assemblies ⑧ using supplied 3mm Allen wrench ⑨.
2. Slide door to center of track.
3. Slide triggers onto rail using the measurements/formulas in Table 5 as guidelines.
 - a. Measurement 'A' is taken from edge closest to handle, as shown in Figure 24.
 - b. Measurement 'B' is taken from the opposite edge of 'A'.
4. Secure triggers ⑧ in place with set screws using supplied 3mm Allen wrench ⑨.

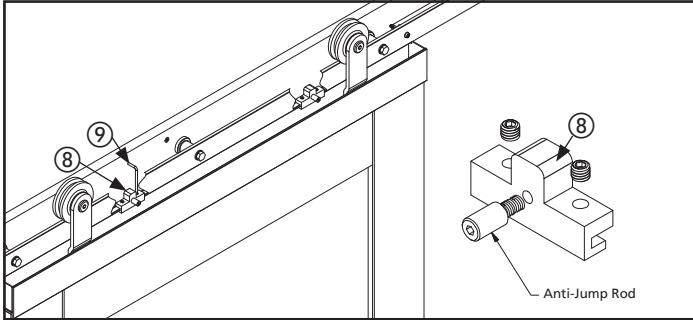


Figure 23. Soft Close Trigger Installation

Kit Size	Door Width (DW)	A	B
36" (72" Track)	$30" \leq DW < 32 \frac{1}{2}"$	$= (2 \times \text{Door Width}) - 54 \frac{1}{2}"$	$\frac{1}{2}"$
	$36" \geq DW \geq 32 \frac{1}{2}"$	$10 \frac{1}{2}"$	$= \text{Door Width} - 28 \frac{1}{2}"$
42" (84" Track)	$36" < DW < 38 \frac{1}{2}"$	$= (2 \times \text{Door Width}) - 66 \frac{1}{2}"$	$\frac{1}{2}"$
	$42" \geq DW \geq 38 \frac{1}{2}"$	$10 \frac{1}{2}"$	$= \text{Door Width} - 34 \frac{1}{2}"$

Table 5. Soft Close Locations

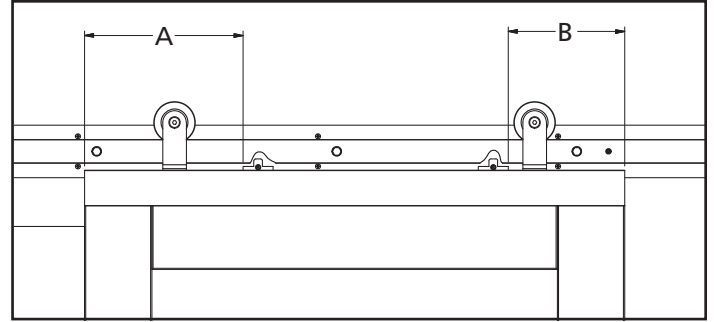


Figure 24. Soft Close Trigger Alignment

STEP 9: INSTALL TOP END CAPS

Use (2) #10 x 1" pan head screws ⑪, secure both end caps ⑩ in place.

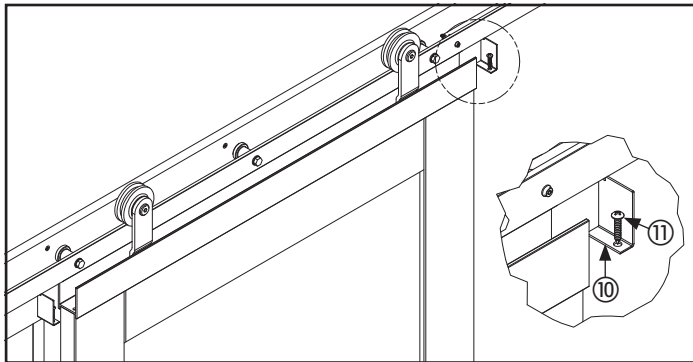
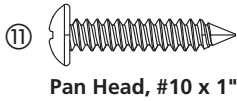
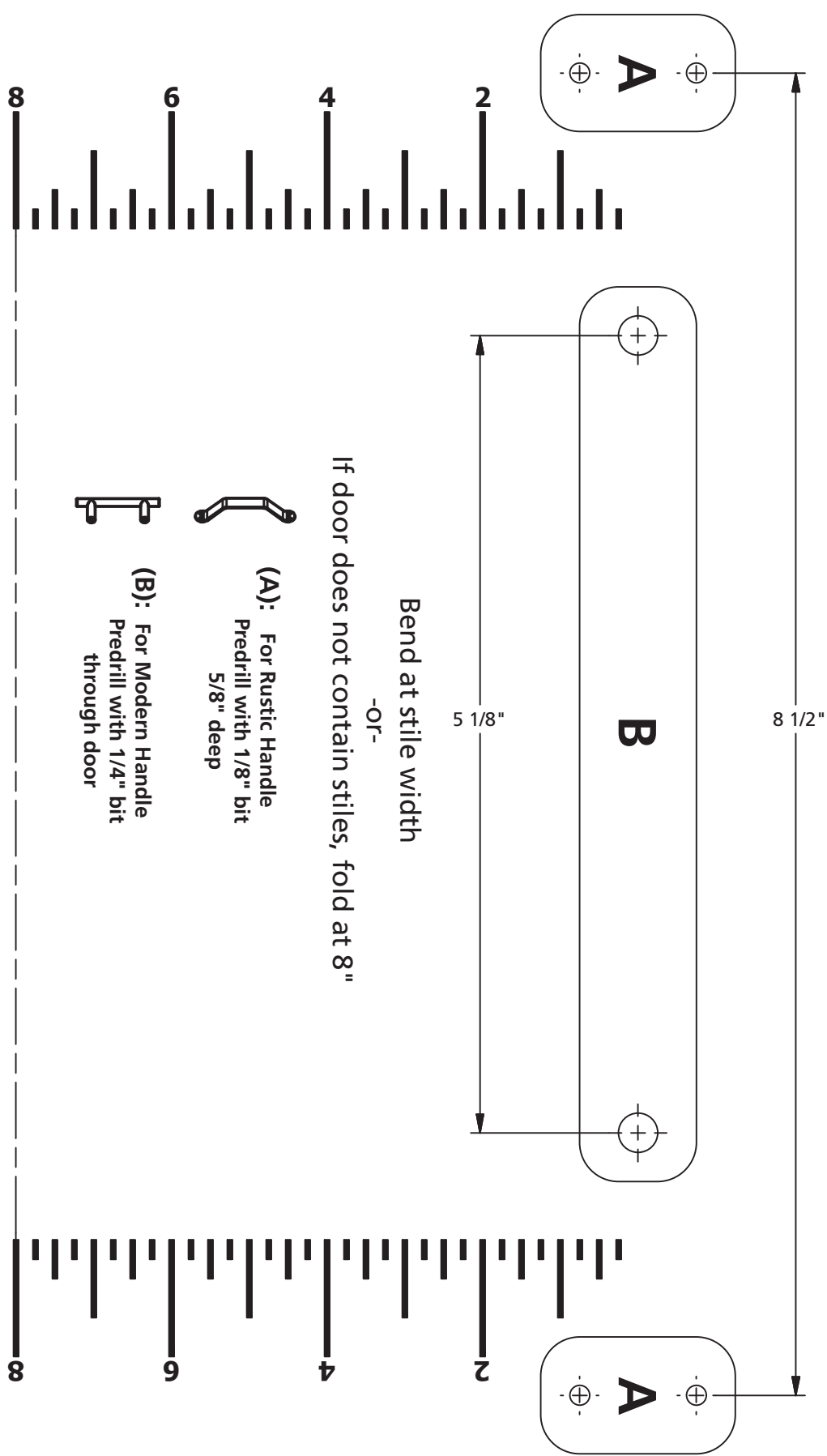


Figure 25. End Cap Installation

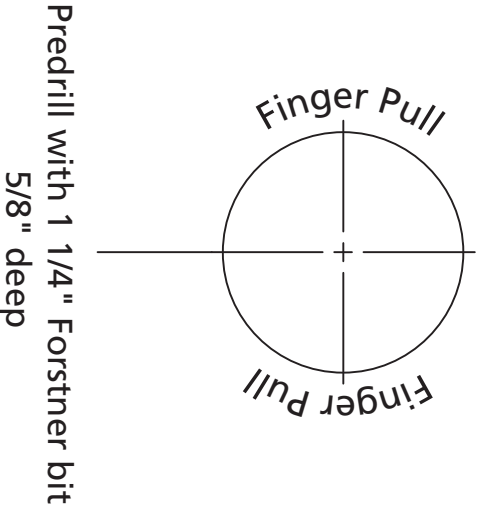


30 1/2" from bottom of page to bottom of door

Bend at stile width
-OR-
If door does not contain stiles, fold at 8"

(A): For Rustic Handle
Predrill with 1/8" bit
5/8" deep

(B): For Modern Handle
Predrill with 1/4" bit
through door



Bend around edge of door

30 1/2" from bottom of page to bottom of door

30 1/2" from bottom of page to bottom of door

