

Week 9 INTERIOR FINISH

Table of Contents

Shoe Moulding..... 138

Bi-fold Doors..... 140

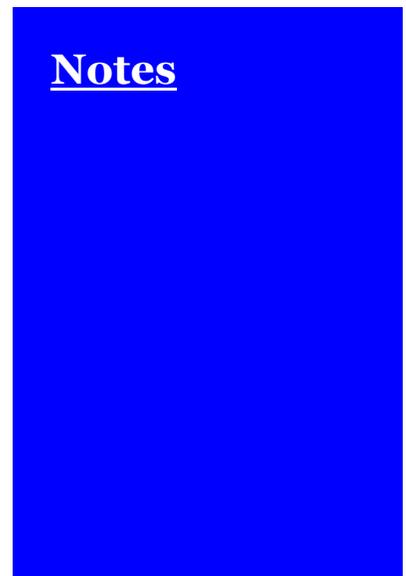
Door Hardware 142

Mirrors..... 143

Towel Bars..... 145

Skills needed?
Safety tips?

Notes



9A. SHOE MOULDING

A strip that covers the joint between baseboard and the floor

Tools Needed



Hardware Needed



Notes:

- Be **exact** with measurements!
- Small gaps are ok (that's what caulk is for).

Shoe Moulding

Both decorative and protective

1. If working on a whole room, draw a layout of your room on a scrap piece of wood, cardboard, etc.
2. Get your measurements, and record on the layout.
3. Draw what the shoe moulding will look like at each corner of the room (**Image 1**):

Note: Cut the angles to match the baseboard angles.

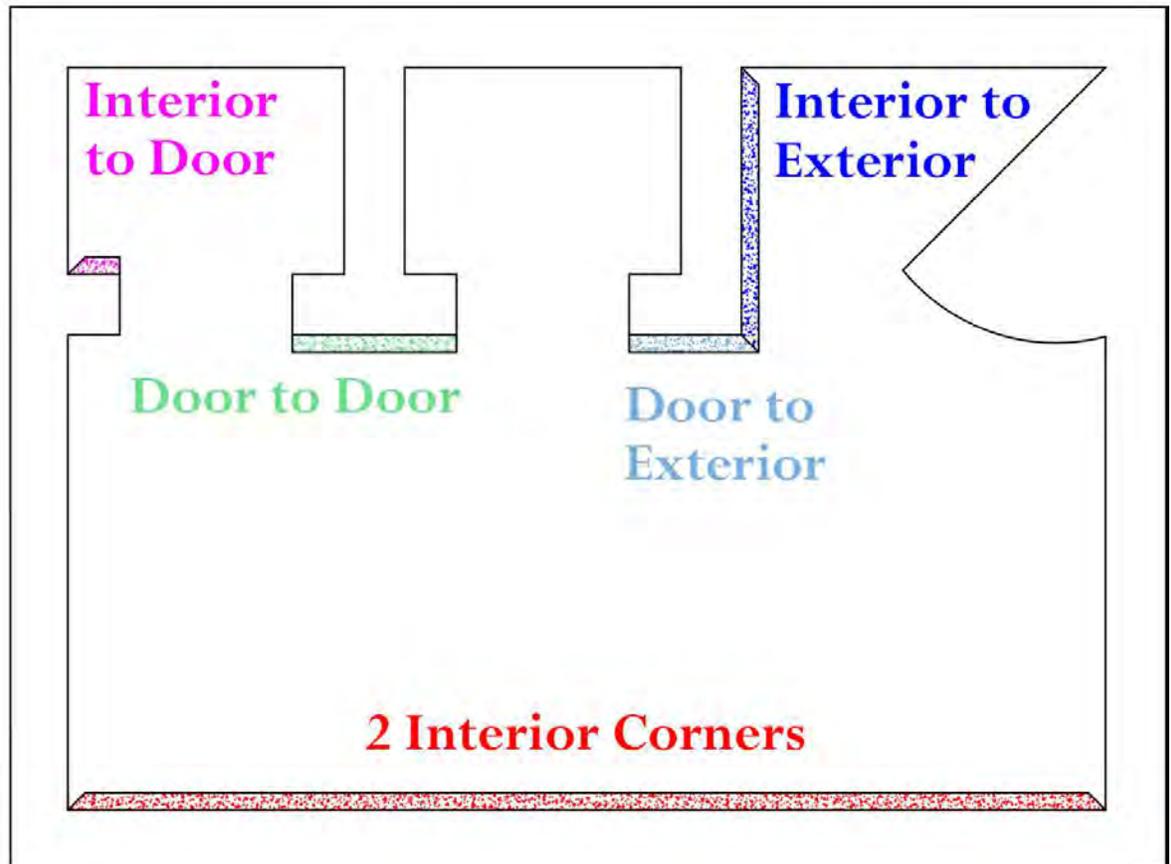
- Interior corners - elongates from front to back
 - Exterior corners - elongates from back to front
 - Intersection with door trim - straight
4. Make cuts, ensuring that corners are cut at 45°.
 5. Attach the shoe moulding using a nail gun every 24”.

Staff/QAT Note:

- Split into teams of two or three.

- Have each team work on their own room and do their own measuring and cutting (more mistakes seem to happen when giving dimensions to a designated cut person/group).

Image 1. Example Room Layout



9B. BI-FOLD DOORS

Door panels that fold outward and stay aligned with an overhead track

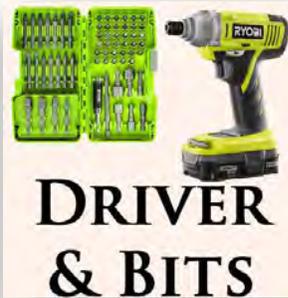
Tools Needed



HAMMER



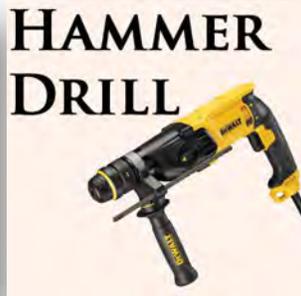
TAPE MEASURE



DRIVER & BITS



PENCIL



HAMMER DRILL



4-FT LEVEL

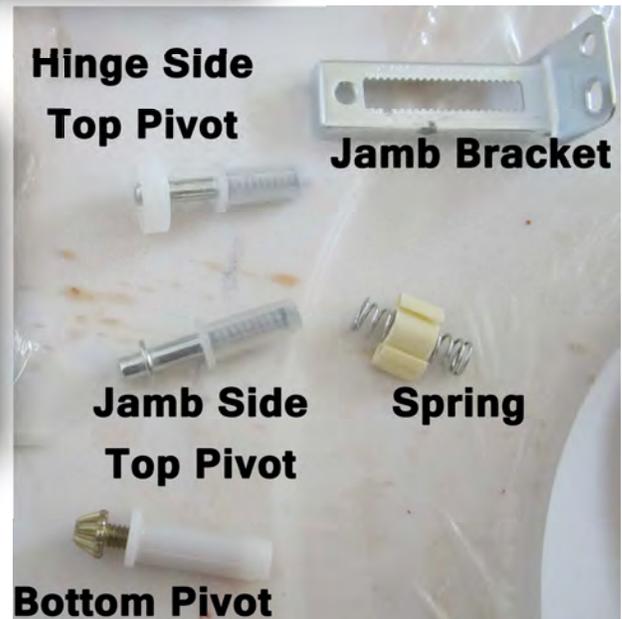
Hardware Needed



CONCRETE BIT



TAPCON SCREWS



Hinge Side Top Pivot

Jamb Bracket

Jamb Side Top Pivot

Spring

Bottom Pivot

The hex heads are ideal ^

Bi-fold Doors

1. Determine which way the door will slide open.
2. Follow the instructions included to insert the three pivot pieces and install the track.

Note: The track should be installed along the midpoint of the underside of the door frame. Measure the depth of the header, and mark the midpoint - your screws will be installed along this midpoint.

3. To install the jamb bracket, again find the midpoint by measuring the depth of the bottom of the frame so that the bracket is aligned directly underneath the track.

Note: Check to ensure that the door frame itself is level. If it is not, you will need to adjust the placement of the jamb bracket to align it underneath the track.

4. Fasten the jamb bracket flush with the jamb side of the frame (the side that the door folds into). Screw into both the wall and the ground (if going into a concrete slab, pre-drill a hole using the hammer drill, and then use a Tapcon screw).
5. Fit the door into the track and jamb bracket, and adjust to make even gaps on all sides:
 - Adjust the height by turning the bottom pivot.
 - Adjust horizontally by loosening the screw on the overhead track bracket and then sliding that bracket.
6. *If installing a double set of bi-fold doors, insert the spring in the middle of the track.
7. Install the knob on the hinge side door (the door without the bottom pivot in it).
See **Image 1** for placement.

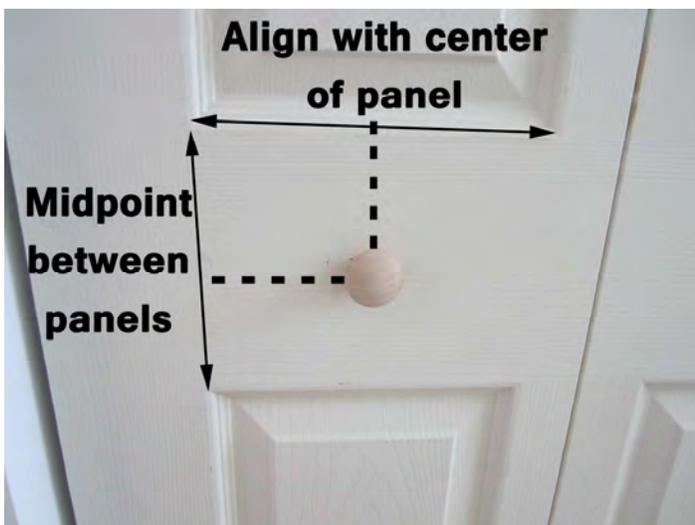


Image 1. Door Knob Location

Notes

9C. DOOR HARDWARE

Door knobs and door stops

Tools Needed

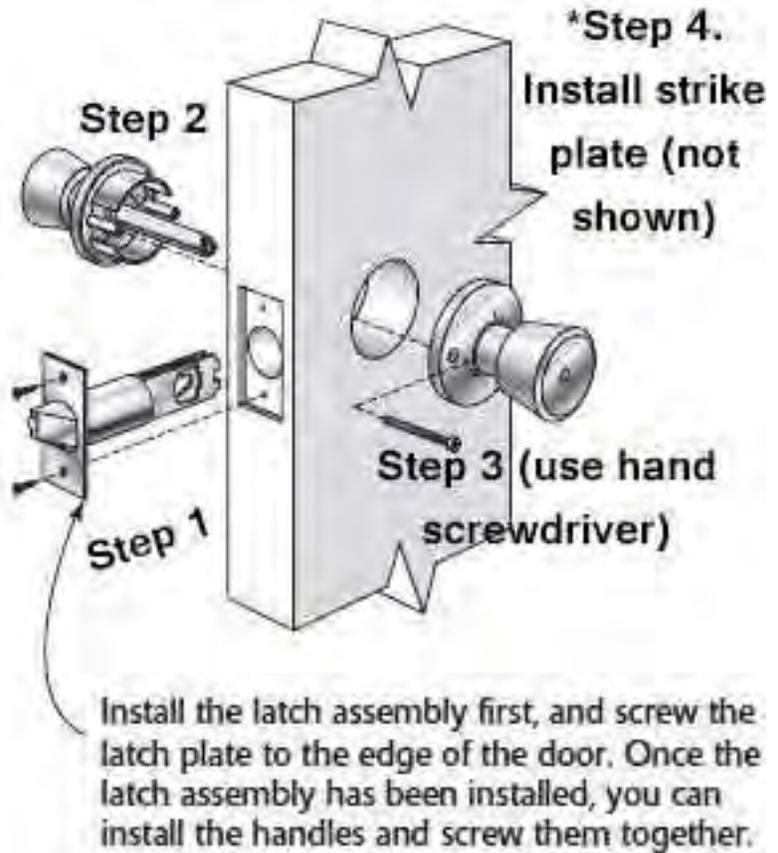


DRIVER & BITS

PHILLIPS SCREWDRIVER



Image 1. Installing a Knobset¹



- 1. Set stop close to end of door.**
- 2. Install with included screw.**

Baseboard Door Stop

<-- Use when a wall/ cabinet is perpendicular to the door when closed.

Use where base-board door stop does not apply. -->



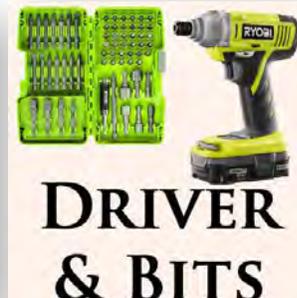
Door Stop on Hinge

¹ Photo courtesy of *Habitat for Humanity How to Build a House* by Larry Haun, published by The Taunton Press.

9D. BATHROOM MIRRORS

Easy-to-install bathroom accessories

Tools Needed



Hardware Needed



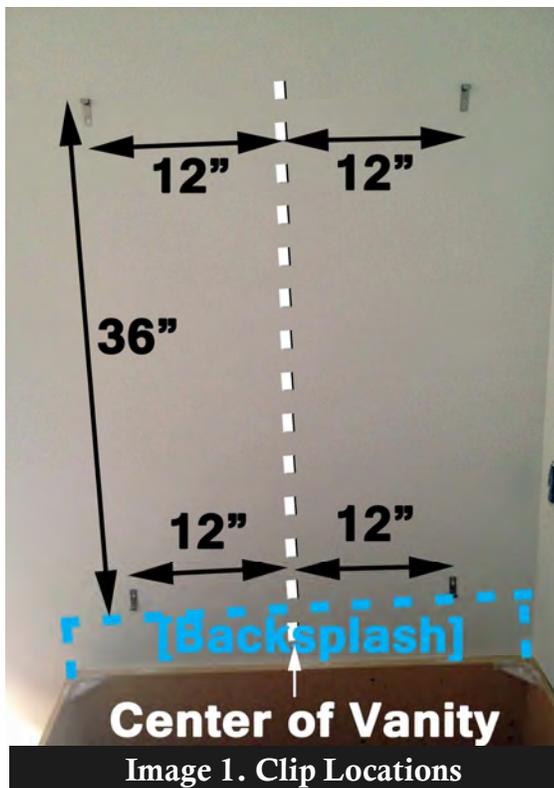
Caution
Handle the mirror with care - the glass chips very easily!

Bathroom Mirrors

1. Measure the width of the mirror and the width of the vanity to position the mirror in the center of the vanity right above the splash guard.
2. Just above the backsplash, measure and mark 12" out from the center on both sides. These marks denote the bottom of the lower clips (**Image 1**).
3. Measure and mark 36" up from these marks. These new marks denote the top of the upper clips (**Image 1**).
4. Hold clips in place to mark their screw locations.
5. Use a $5/32$ " drill bit to install drywall anchors at lower clip screw locations. Place lower clips, and tighten with a screw.

Note: If you hit a stud when drilling, stop drilling, and simply use a screw without the anchor.

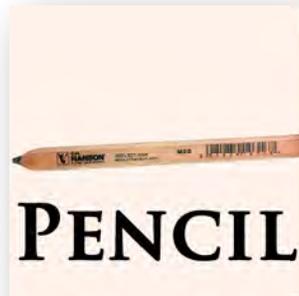
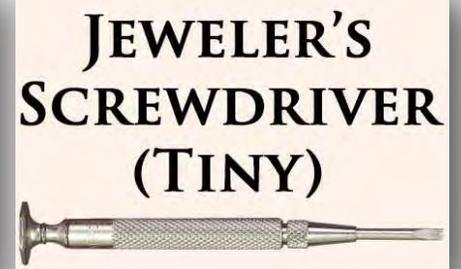
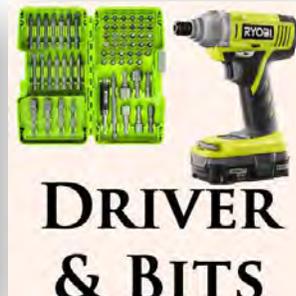
6. Repeat Step 5 for upper clips, but don't tighten completely (these will be adjustable).
7. Generously apply adhesive to back of mirror.
8. Slide the mirror inside the clips, and pull down the top clips snug over the mirror.



9E. TOWEL BARS

Easy-to-install bathroom accessories

Tools Needed



Notes

Towel Bars

1. Install two towel bars and one hand towel ring per bathroom. Locations are based on homeowner preference.
2. Measure and mark the height where one end of the bar will be. Then, measure over the length of the towel bar minus $\frac{1}{4}$ ", and mark.
3. Check for level between the two marks.

Note: If you hit a stud when drilling, stop drilling, and simply use a screw without the anchor.

4. Use a $\frac{5}{32}$ " drill bit to install drywall anchors at these marks. Place support brackets, and tighten with screws (**Images 1 & 2**).
5. Insert the towel bar (**Image 3**), and tighten the tiny screws on the brackets.

*For toilet paper rolls, follow steps 2-5. But in step 2, you will subtract $\frac{3}{4}$ " from the length of the bar (instead of $\frac{1}{4}$ "). And you will screw into the cabinet (no drywall anchors).

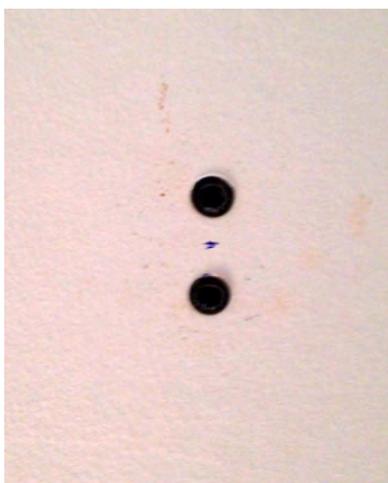


Image 1. Drywall Anchors



Image 2. Support Bracket



Image 3. Finished Towel Bar

Hand Towel Ring

1. Measure and mark the height in the center of the wall.
2. Install drywall anchors.
3. Screw in support bracket.

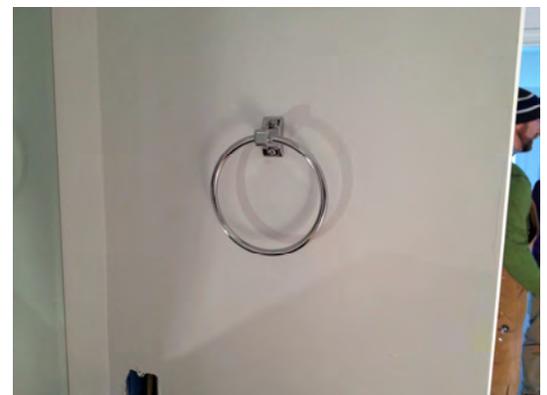


Image 4. Hand Towel Ring