

Chapter 25 - Interior Finishes

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Things to Consider

- **Installation of the bathroom accessories and closet shelving require drilling holes in the drywall. Do not drill through the plumbing behind the wall.**

Components

Closet Organizers	Bathroom Accessories	Window Blinds
Door Hardware	Door Stops	Fire Extinguisher

Timing & Prerequisites

- The painting must be completed prior to installing all interior finishes.
- The interior door installation must be complete prior to door hardware being installed.
- The trim must be installed at the windows prior to mini blinds being installed.
- The House/Project Lead will work with the Construction Superintendent to coordinate these volunteer activities.

Materials Needed	
Bathroom Accessories	Door Hardware
Mirror and Clips Towel Bars (24") Toilet Paper Holder (1/bath) Shower Curtain Rod (1/shower) Wall Anchors Bath & Tub Caulk	Door Locksets (Locking/Privacy) Door Locksets (Non-locking/passage) Door Locksets (Exterior) Door Stops (Hinge type) Door Stops (Baseboard type) Door Viewers (2)
Closet / Pantry Shelves	Windows
12" Wire Rack with Slide Bar Wall Clips Side Wall Brackets Deep End Cups Support Brackets	Mini Blinds (36" x 60" & 36" x 36") Window Screens

Phase Specific Tools Needed

Description:	Quantity:
<ul style="list-style-type: none"> ○ Stud Finder ○ Caulking Gun ○ Bolt Cutter ○ Chisels ○ Center Punch 	

Activities

Install Bathroom Accessories

- Note: the location of the plumbing should have been noted before the drywall was hung. Be sure to verify the plumbing locations before drilling through the drywall.

Full Baths:

- Toilet paper holder
- 24" towel bar
- Towel ring
- Double robe hook
- 60" twist tight shower rod
- Mirror

Half Bath:

- Toilet paper holder
- 24" towel bar
- Towel ring
- Double robe hook
- Mirror

- The robe hooks are difficult to mount securely. They do not work on hollow core doors and if they are mounted on a wall, they need to be centered on a stud. In most cases the robe hook should be installed at the Home Owner's discretion.

Wall Mirror

The mirror shall be mounted with the bottom edge of the reflecting surface 4" above the sinktop.

1. Install the bottom mirror clips. Start by installing the bottom clips on a level line 4" above the sinktop. The clips should be installed into studs or into secure wall anchors.
2. Set the mirror on the clips. Center it in relation to the vanity top.
3. Attach the top clips above the mirror. Again, the clips should be installed into studs or secure wall anchors.

Towel Ring

1. Install the towel ring above the side of the sink. Keep the ring 3" from mirror.

Towel Bars

1. Install towel bars in locations close to the shower and to the sink. Over the toilet is often a good location. Ensure they are level.

Toilet Paper Holder

1. Install toilet paper rolls 15" Above Finished Floor (AFF).
2. Conduct a "sit" test to determine the best location for the holder.

Shower Rod

1. Install the shower curtain rod. Follow the manufacturer's instructions.
2. Typically this rod will be a couple inches above the shower enclosure.

Install Shelving

Location - Install shelving as indicated on construction prints for all closets, storage areas and pantries.

Shelving Type - All shelving will be metal shelving fabricated of heavy-gauge vinyl coated welded steel rod with deck rod spacing; the type with a slide bar.

Hardware - Provide supports for the shelving using wall clips, shelving cups and angle brackets.

Wall Clips - Install the wall clips along the back edge of the shelves into the drywall between the studs; space them 16" apart. The clips must be installed between the bars of the shelf.

Shelving Cups – Install one shelving cup at the end of each shelf. The cups are installed under the front bar of the shelves.

Angle Brackets – Install one angle bracket every 36" of the shelving.

Height - The height for installation of the shelving will be specified in the Home Owners Selection sheet. The default heights are:

Shelving	Heights
Clothes / coat closets shelving	5' 6"
Linen closet shelves	2', 4', and 6'.
Laundry Area shelves	5'

Cut and install the shelving.

1. Cut the shelf to length - a bit shorter than the space. A bolt cutter is a good tool for cutting the wire type shelving. A hacksaw or any metal cutting blade will also work.
2. Make a light level line on the back wall with a pencil where the shelf will go.
3. Install the shelf with the wall clips. Install the clips into the studs or secure wall anchors.
4. Wall clips fit between bars of the shelving. Mark the locations of the clips, 16" apart, with a pencil on the line made above, then hold the shelf in position to check spacing.
5. Raise the front of the shelf until it is level.
6. Install the shelf cups.
7. Install the angle support brackets.
8. If the closet will have 2 shelves forming an "L", install an angle support bracket under the end of the shelf which does not meet a wall.

Door Hardware

Exterior Doors – Install a lockset and deadbolt in all exterior doors. All locksets and deadbolt locks shall be keyed alike. All locksets to be lever handle style. The doors must also include a door viewer.

Interior Doors – Install a lever handle style lockset in all hinged interior doors. Interior doors shall be a combination of privacy and passage locks. Use privacy locksets on bathroom and bedroom doors. Use passage on closet and basements doors.

Install Locksets

1. Be sure you have the correct lockset for the door. Bedroom and bathroom entry doors will have privacy locksets. All other doors such as closet and basement doors will have passage locksets.
2. The screws should go into the assembly so they are seen only from inside the room / closet.
3. Follow the manufacturer's directions to install the locks.
4. A small amount of chiseling / cut-out work may be required to get the components to fit into the doors.
5. Install cylinder lock and handles before the strike plate.
6. The installation of the strike plate has the greatest chance for error. An improper installation will not hold the door tight and allow it to rattle.
7. Check the depth of the precut notch for the strike plate before drilling holes.
 - Hold the strike plate in place and close the door. The door should fit snugly.
 - If the door is not tight, cut the notch a little deeper.
8. Always pre-drill the holes for the strike plate.
9. Test the door knobs. They should open / close easily. The locks should open by turning the handle on the inside of the room.

Install Door Stops

1. Use the base stops wherever possible. Doors that do not open into a wall will have a hinge stop.
2. For hinge mounted door stops, remove the top pin; slide the door stop on the pin; and reinstall the pin. Always use two (2) hinge door stops on each door. Install one at the top pin and one at the middle pin.

Install Door Viewer

Peep Hole: Provide a 180 degree peep hole in all exterior doors. Install it at 54" from the floor.

1. Locate position for the viewer. The viewer should be in the center of the door at height specified.
2. Mark the location with a center punch.
3. Use a step (cone) bit to create the correct size hole. Refer to the manufacturer's instruction for the size of hole needed.
4. Follow the manufacturer's instruction for installing the viewer.

Install the Mini Blinds

1. Note - These blinds will be cut to a specific width and length for a specific window. They are to be mounted on the inside and near the top of the window frame. Not on the exterior.
2. Note – Blinds will only be installed in 'Private' areas. Private areas are defined as bedrooms and bathrooms.
3. Follow the manufacturer's instructions. You may need to use longer screws than those provided by the manufacturer to get securely into the wood.
4. The blinds can be adjusted for height if necessary.
5. Test the opening / closing and raising / lowering. All should operate smoothly.

Install the Home Owner's Fire Extinguisher

Install the fire extinguisher in a non-traffic area near the kitchen. In most models this will likely be a laundry area.

Follow the manufacturer's instruction for installation

- Install the bracket into a stud, if possible.