



Door System Installation Instructions

These instructions apply to the following door systems:



Single Doors



Single & Double Continuous Sidelite Units



French & Patio Units

Installation Checklist

- ☐ Clean, dry, level, and solid subfloor (1)
- ☐ Three beads of caulk under the Sill (2)
- ☐ Ensure consistent margins (5)
- ☐ Adjust the Sill Cap or Door Bottom (8)
- ☐ Install Simple Solution® Corner Pads (8)
- ☐ Caulk corner of Sill and Jamb (9)
- ☐ Position & Install Astragal (French Units) (10)
- ☐ Caulk and flash unit perimeter (11)

Installation Tools and Materials

Installation will require the following tools and materials:

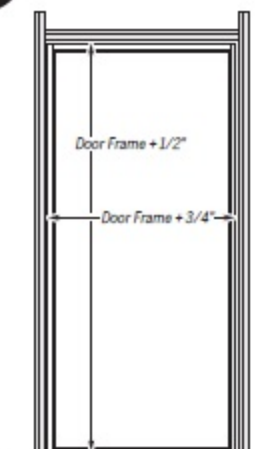
- Level - 3' and 6'
- Tape measure
- Masonry string
- Caulking/Sealant- (a) polymer based sealant, such as Bostik Pro-MS 50, (b) polyurethane sealant, or (c) 100% silicone sealant.
- Caulking gun
- Shims (material type compliant with applicable building code requirements)
- #8 x 2-1/2" exterior grade screws (or alternate size compliant with applicable building code requirements)
- 8d finishing nails, exterior grade
- #2 Phillips screwdriver
- Driver with #2 Phillips bit
- Simple Solution Corner Pads

Note- Other tools and materials may be required due to rough opening conditions or applicable building code requirements.

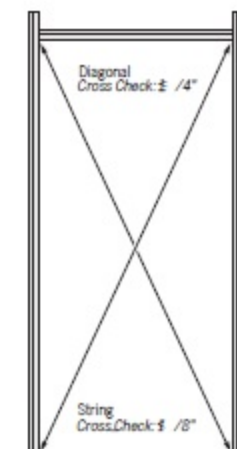
General Notes

- Endura recommends that the installer understand the hazards of handling material with lead paint. More information is available at www.epa.gov/lead.
- Construction waste should be disposed of properly.
- Applicable building codes supersede this instruction where differences arise.
- Endura cannot be held liable for defects or deficiencies resulting from improper use of these installation instructions or failure to follow building codes.
- This instruction assumes a typical wood frame wall installation. Adjustments may be required for other wall types.
- This instruction assumes that an appropriate weather-resistant barrier is applied to the rough opening and integrated with the door unit, as required by local building codes and/or manufacturer's instructions.
- This instruction applies to both inswing and outswing doors, except where noted.
- This instruction applies to both adjustable and fixed sills, except where noted.

1 Preparing the Rough Opening



Rough Opening: Dimensions



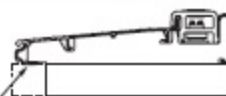
Rough Opening: Cross Check

Rough Opening Dimensions: Height = Door Frame + 1/2"
Width = Door Frame + 3/4"

Diagonal Distances should be within 1/4" of each other.

Diagonally placed strings should be within 1/8" of each other at the center.

Ensure support underneath sill front edge overhang. If sill front edge is not properly supported, build out structure to support it.



The rough opening should be flashed according to local building code requirements.

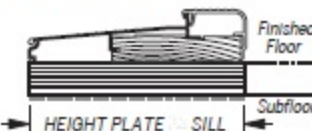
? Are the walls straight?

? Is the rough opening framing plumb & level?

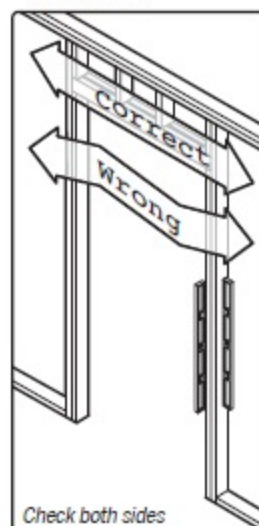
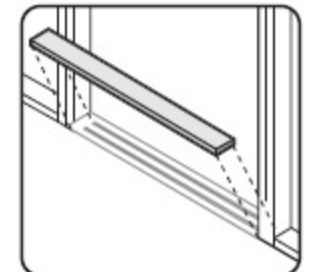
? Is the subfloor clean, dry, level and solid?

If you are using a height plate to bring the sill up to the level of the finished floor covering:

Be sure that it is at least as wide as the sill and as long as the rough opening.



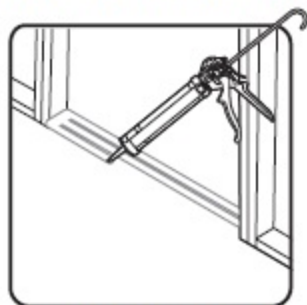
Be sure to caulk thoroughly under and around the height plate.



Check both sides

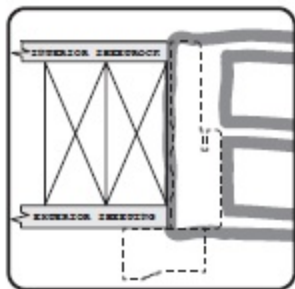
2 Caulking the Rough Opening

NOTE: Where Caulking is required a polyurethane, 100% silicone, or polymer-based exterior grade sealant may be used.

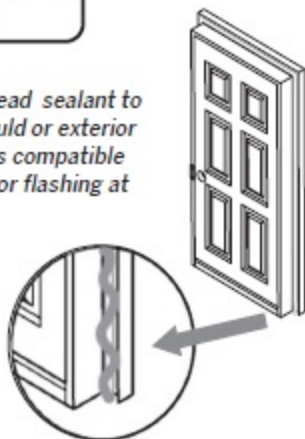


Place three heavy beads (1/2" wide) of sealant on the subfloor or height plate as shown.

Put enough caulk at the ends to completely cover the bottom of the side jamb.

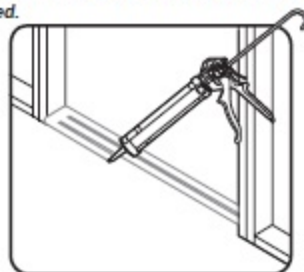


Apply a continuous 1/2" bead sealant to sheathing side of brickmould or exterior trim (ensure that sealant is compatible with sheathing, housewrap or flashing at rough opening).

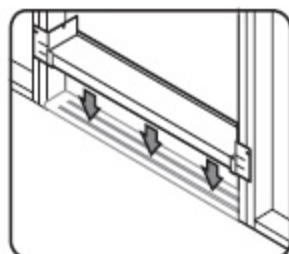


2a Optional Sill Pan

An Endura approved Sill Pan may be used in Force 5 Systems, but is not required.



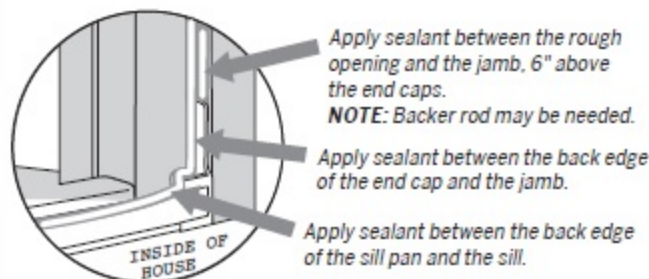
1. Place three heavy beads (1/2" wide) of sealant on the subfloor or height plate as shown.



2. Place and secure Endura approved Sill Pan according to separately issued Endura Instructions.

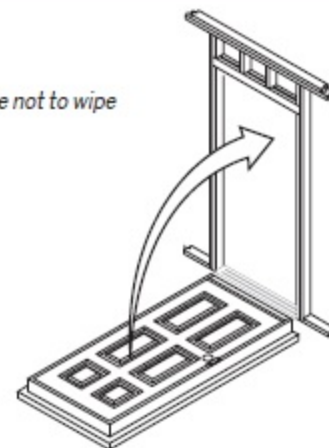
3. Seal Interior Edges

Perform after door unit is anchored into rough opening.



3 Position Unit in Rough Opening

Pivot into position taking care not to wipe away subfloor caulking.



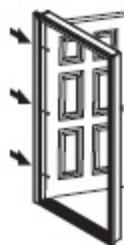
Temporarily secure using finishing nails through the brickmould. Do not fully set nails.



Ensure that unit is plumb in each direction.

Ensure that inside edge of door unit projects 1/2" past stud interior surface for proper alignment with drywall.

Place fasteners through thick part of jambs as shown, just above the hinge positions on the hinge jamb. Do not fully seat. Use 3 screws for 7/0 & shorter units, & 4 screws for 7/5 & taller units.



Single Units:
Fasten Hinge Jamb first

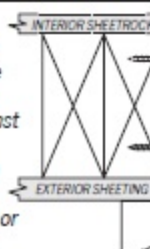


Sidelite Units:
Fasten Sidelite Jamb on Hinge Side first



French & Patio Units:
Fasten Jamb on fixed or passive side panel first

For systems with brickmould or other exterior trim, assure that back side of moulding is up against exterior sheathing.
Note: Do not secure door unit only through brickmould or other exterior trim.



Alternate screw location - do not damage weatherstrip

Use #8 x 2-1/2" wood screw or equivalent fastener. Do not fully seat.

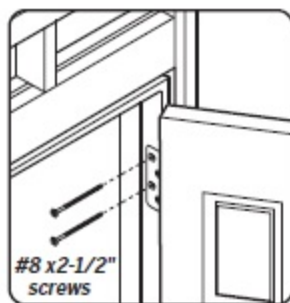
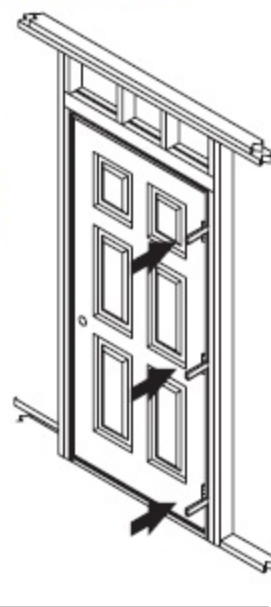
Note: Door units installed in high velocity wind zones will require anchoring according to approved requirements.

4 Shim and Secure Hinge Jamb

Temporarily install Simple Solution® Pads but do not remove adhesive backing paper yet (see Step 8 for pad positioning).

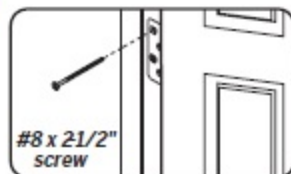
Check hinge jamb for plumb in both directions with a 6-foot level.

Place shims behind jamb hinges. Adjust shims to take up space between jamb and rough opening. **Note:** In some cases, the rough opening is plumb and allows the door jamb to be placed against the rough opening. Shims on this side will not be required.

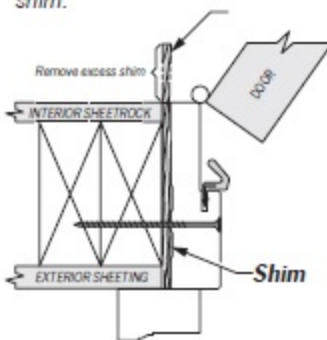


On top hinge, replace 2 short screws closest to weatherstrip with 8 x 2-1/2 inch screws.

On all other hinges, replace top screw closest to weatherstrip.



Set each jamb screw through shims, then remove excess shim.



Note: Make sure the jamb is not bowed. Adjust or apply additional shims as necessary.

5 Shim and Secure Opposite Jamb

Check jamb for plumb in both directions with a six foot or longer level.

Install shims across from each hinge and adjust to ensure a 1/8 inch consistent margin between door panel and jamb.

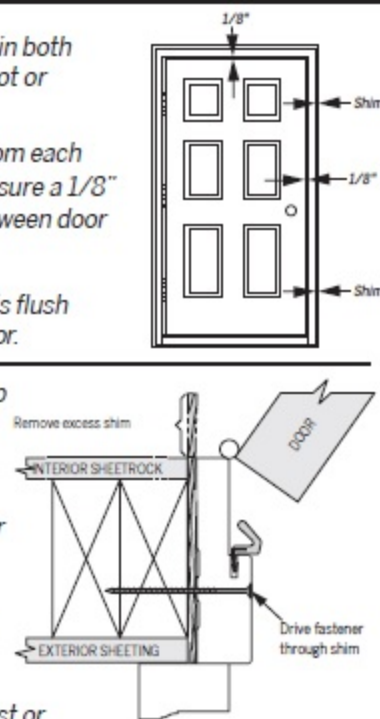
Adjust the frame so it is flush with the face of the door.

Check the weatherstrip contact for even compression all around the door.

Set each jamb fastener through shims.

Remove excess shims when done.

Note: Make sure the jamb is not bowed. Adjust or apply additional shims as necessary.



10 Astragal Positioning (French Units only)

Close the passive door to verify that it is in the desired position.

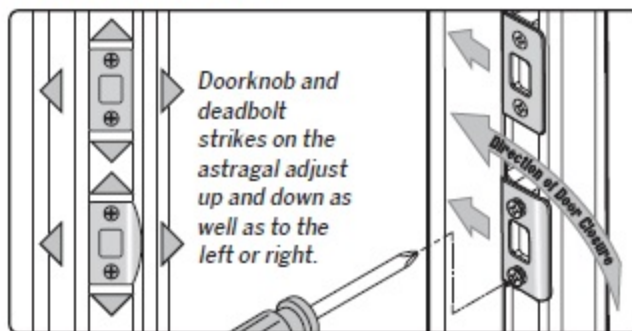
Push bolt pins to contact header and sill, then mark positions for retainer holes.

*For Z Articulating Cap, only the header mark is required.

Complete installation and positioning of astragal according to Endura's "Field Installation Instructions" provided with the French unit.



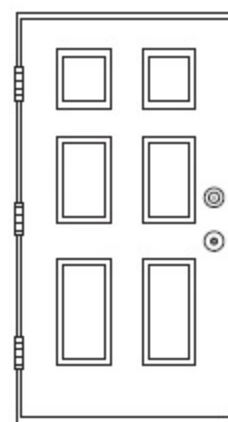
The strikes should be adjusted in the direction of door closure to assure that the strikes pull the door up to the weatherstrip tightly.



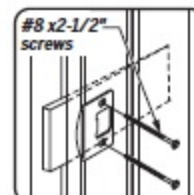
6 Securing Lockset Hardware

Install lockset hardware.

With door closed, shim behind strike and deadbolt plates to maintain proper margin.



Secure each plate with two #8 x 2-1/2 inch screws through the shim and into the rough stud. Remove excess shim.



11 Weatherproofing

Caulk around the entire unit on weather-exposed side between brickmould and siding or sheathing.

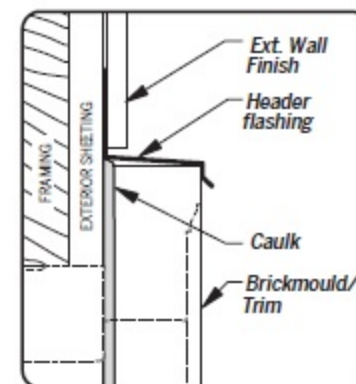
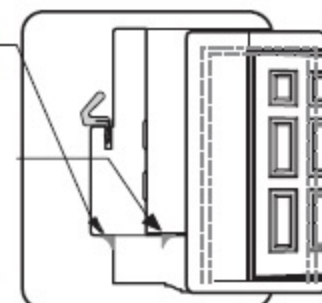
Caulk at joint of brickmould and jamb/header

Self-adhering flashing installed per the manufacturer's instructions may be used in a place of caulking, as long as the entire interface between the brickmould and frame and brickmould and siding is water tight.

Install flashing above protruding header trim in shingle lap fashion, or per manufacturers instructions, or according to applicable building code requirements.

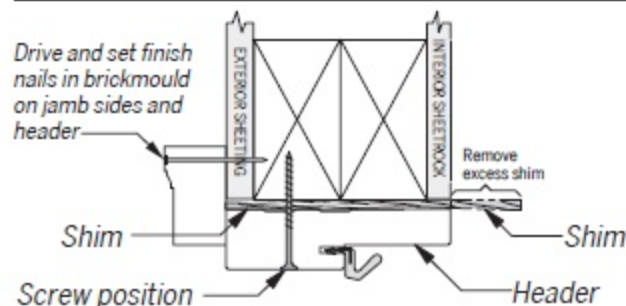
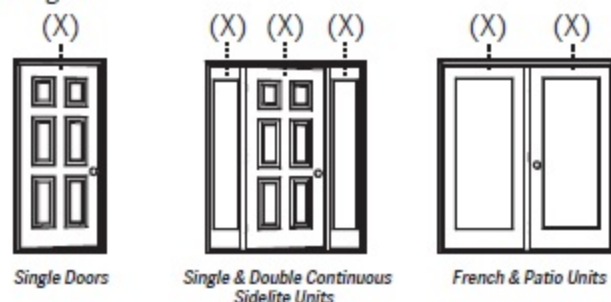
Insulate the gap between the frame and rough opening according to applicable building code requirements.

Additional or alternate flashing methods may be required according to applicable building code requirements.



7 Shim and Secure Header

Secure fasteners through thick part of header. Use shims at each location indicated by (X) to maintain proper margin.

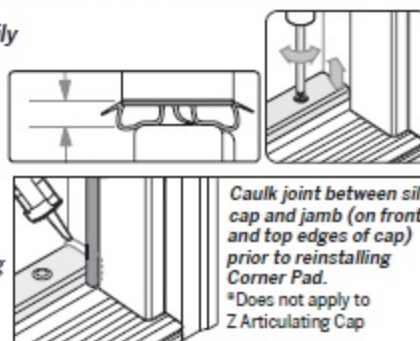


8a Adjust Sill Cap - Adjustable Sills Only

Remove temporarily installed Simple Solution® Corner Pads.

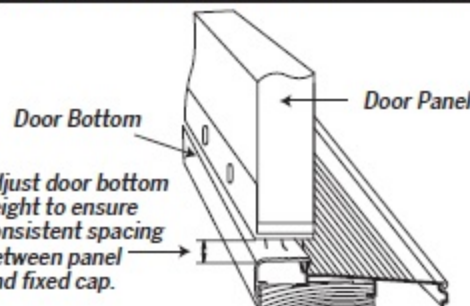
If necessary, adjust the sill cap to ensure consistent spacing between panel and cap.

*Does not apply to Z Articulating Cap



8b Adjust Door Bottom - Fixed Sills W/ Adjustable Sweep

Adjust door bottom height to ensure consistent spacing between panel and fixed cap.



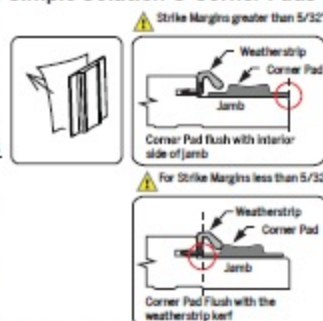
8c Simple Solution Positioning

Verify proper installation of Simple Solution® Corner Pads

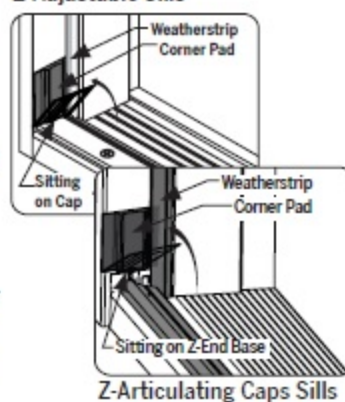
To install Simple Solution Corner Pads, remove paper backing to expose adhesive, and press firmly into place. For margins less or equal to than 5/32", apply the corner pad with the edge flush against the weatherstrip kerf, and for margins greater than 5/32", apply the corner pad with the edge flush against the interior jamb. Pads not required on outswinging jambs.

On Adjustable Sills/ Oak Anchored Caps Corner Pad must contact the top of the sill cap.

For Z-Articulating Caps, the Simple Solution Corner Pad must contact the top surface for the Z-End Base™.



Z-Adjustable Sills



9 Caulking Sill (Optional for Z-Articulating Caps Sills)

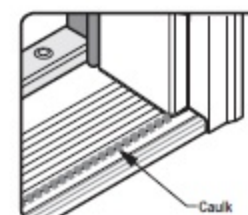
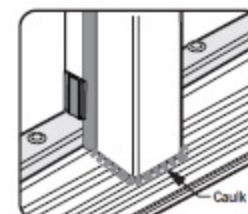
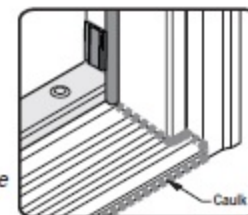
Caulk the intersection of the aluminum sill deck and the jamb.

Seal front bottom edge of sill.

*Do not caulk the front bottom edge of the sill when using a sill pan.

Caulk around the intersection of the mull and the door sill.

If a sill extender is installed, apply a bead of caulk where the extender meets the sill deck.



You must caulk around all stationary panels !!



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Thank you for selecting SureRock® products. Attached are SureRock's recommended installation instructions for Exterior Fiberglass Pre-Hung Doors. Read these instructions thoroughly before beginning. They are designed to work in most existing applications; however, existing conditions may require changes to these instructions. If changes are needed, they are made at the installer's risk. For installations other than Indicated in these instructions, contact a building professional.

1 CHECK YOUR ROUGH OPENING FIRST

- The rough opening (RO) is ideally 1" wider and ½" taller than the outside frame dimensions of the door unit you are going to install.
- The RO is Clean, Dry and Level.
- The old door frame has been completely removed in retro fit installation.

2 CAULK THE SUB FLOOR

- Caulk is applied in three parallel lines running the width of the sill.
- Apply three 1/3" lines of caulk along the length of the sub-floor, the first line starting approximately 1" from the inside edge. The lines should be about 1" apart.

3 GET THE NEW DOOR READY

4 PLACE DOOR IN ROUGH OPENING

- Place the sill in the opening first and then tile the door up into the opening

1



Side Hinged Door Unit Installation Instructions

5 INSTALL DOOR

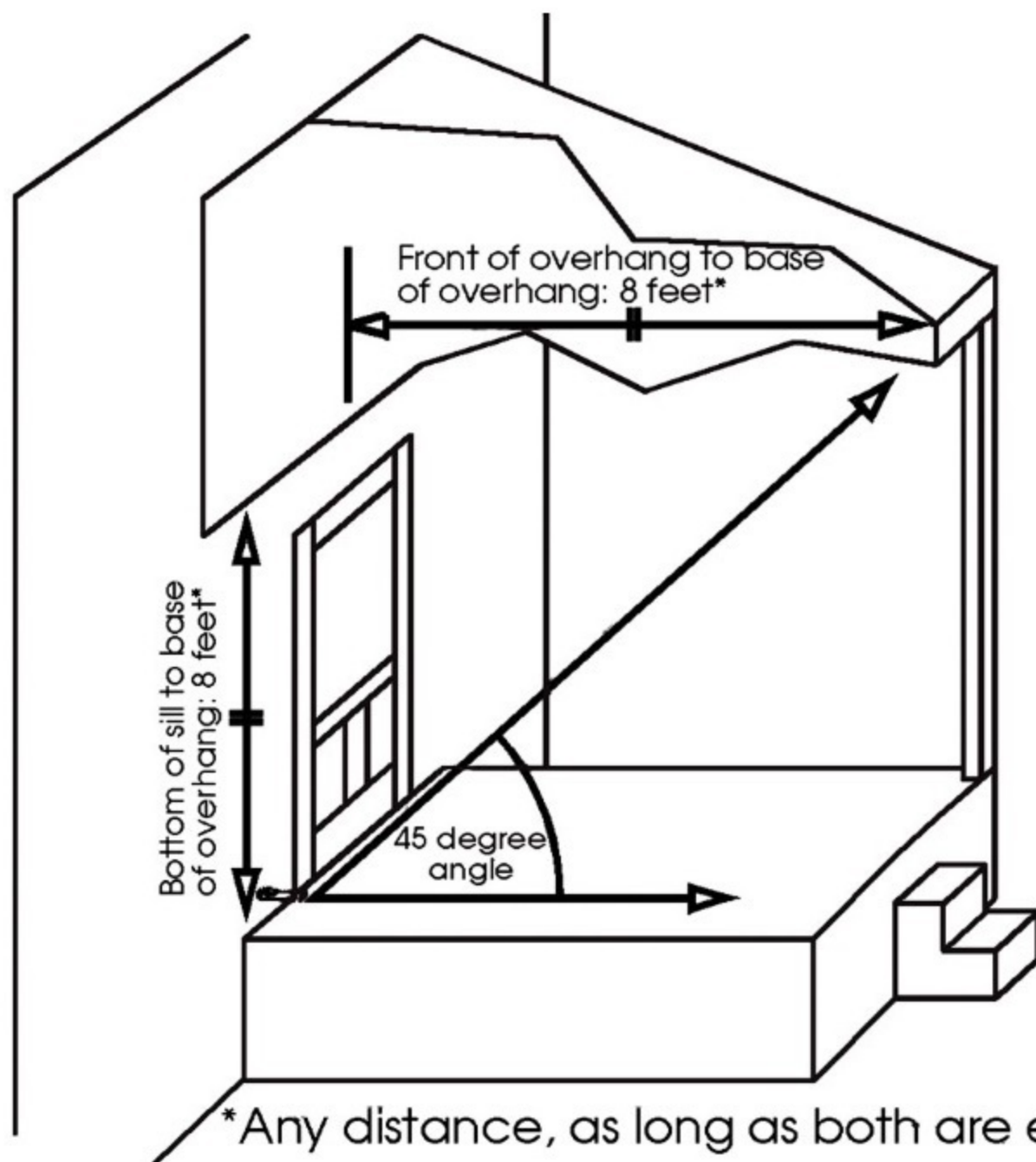
- Single Door: Keep the door centered and the frame tight against the sill. Shim the top of the door on the latch side. Install shims until there is a consistent 1/8" gap between the top of the door slab and the frame header.
- Double Door or Door with Side Lite: If installing a door with a sidelight(s), shim the head on both sides of the joint where the sidelight joins the door jamb. Fasten next to the shims and then remove shims. Shim the head of double door units or units with sidelight(s) at the center of each slab/sidelight. Fasten next to the shim and then remove shims. Fasten a transom in a similar manner every 16". From the inside of doors with sidelights installed on a wood floor, pre-drilled screws and fill the holes with sealant. Some double door units may require installing lock bolts at the top and bottom of the inactive panel. Follow the instructions that come with the product if available. Otherwise, locate the center point of each lock bolt, drill 3/8" bolt holes and install keeper plates.

6 FINISH INSTALLATION

- Re-check for smooth door operation and even spacing between the door and door jamb.

In order to achieve optimum performance from your exterior door, we suggest that a porch be in place over your opening with at least the coverage shown below. This will help keep the extreme weather conditions such as driving rains from heavy storms with high winds from impacting the door unit with force.

If a porch is not achievable, then a storm door should be installed to keep that level of weather from the door, especially when your door opening faces the prevailing winds.



CHESTER STORE
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618-826-4502



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1250 W. Market Street
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CONSTRUCTION
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DOOR WARRANTY(S)



EXT. DOOR
INSTALLATION
INSTRUCTIONS