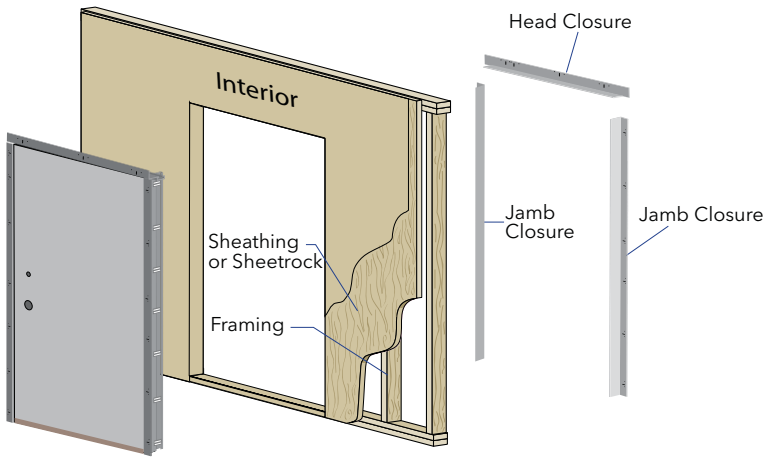




INSTALLATION INSTRUCTION

90 MINUTE FIRE DOOR

**REMEMBER TO USE APPROPRIATE
PERSONAL PROTECTIVE EQUIPMENT**



If a fire rating is required of both the door and the framed opening, it is the responsibility of owner and the installer to use installation methods and materials to meet local building codes.

This door is recommended for use in walls shielded from precipitation and exposure to weather.









Always read the Pella® Limited Warranty before purchasing or installing Pella products. By installing this product, you are acknowledging that this Limited Warranty is part of the terms of the sale. Failure to comply with all Pella installation and maintenance instructions may void your Pella product warranty. See Limited Warranty for complete details at <http://warranty.pella.com>.

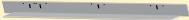


YOU WILL NEED TO SUPPLY:

- 1-1/4" Coarse Thread drywall screws for wood studs and drywall
- 1-1/4" "S" Bugle Head self-tapping screws for screws for metal studs and drywall
- #8 x 1-1/4" flat head masonry screws (masonry applications)

TOOLS REQUIRED:

- Tape measure 
- Level 
- Square 
- Scissors or utility knife 
- Drill 
- #2 Phillips screwdrivers 

PARTS INCLUDED WITH DOOR:

- Head Closure 
- Jamb Closure (2) 
- Corner Seal Pad (2) 
- Hardware Package (Includes: Adjustable T-Strike, Deadbolt Strike and Deadbolt Cover)

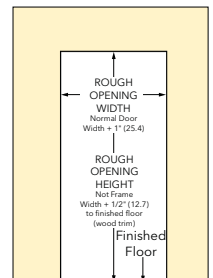
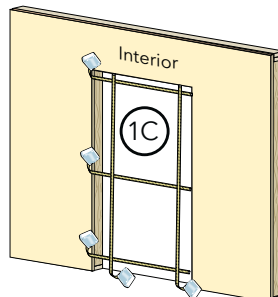
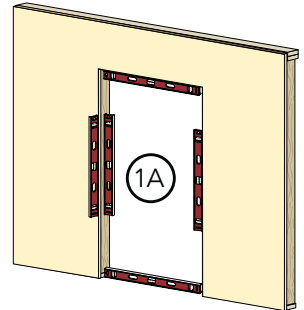
1 PREPARATION STEPS:

TWO OR MORE PEOPLE WILL BE REQUIRED TO HANDLE DOOR SAFELY

- Remove the packaging from the door;** locate the closures, foam pads, and hardware package and set aside.
- Confirm the opening is plumb and level.**
Note: It is critical the bottom is level.
- Confirm the door will fit in the opening.**

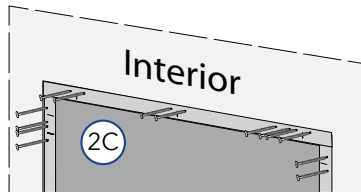
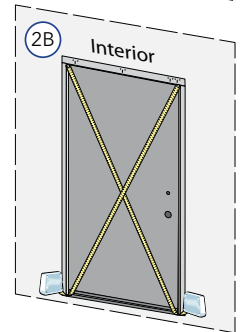
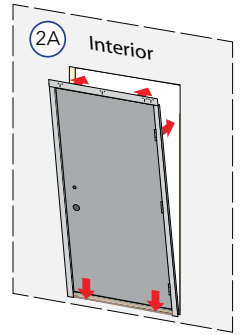
Measure all four sides of the opening to make sure it is 1" larger than the door in width and 1/2" larger in height (to the finished floor if using wood trim; or 1" larger in height if using steel or aluminum casing).

Note: 1-1/2" or more of solid wood blocking (studs) is required around the perimeter of the opening. Check the wall for plumb and the opening for square by checking opening diagonal measurements. Fix any problems with the rough opening before proceeding.



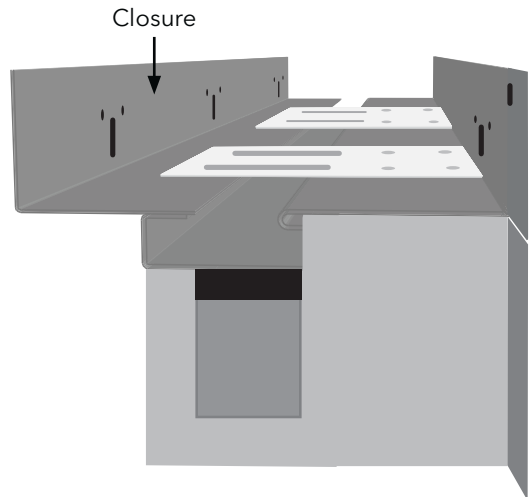
2 SETTING AND FASTENING THE DOOR:

- A. **Insert the door from the interior.** Place the bottom of the door at the bottom of the opening, then tilt the top into position. Center the door between the sides of the opening and insert one 1-1/4" screw into a hole in the installation fin near each of the top corners. This will hold the door in place while finishing the installation of the steel frame.
- B. **Plumb and Square Door.** Use a level to check the hinge side jamb for plumb both ways (right to left and inside to outside) and check for square. Make any necessary adjustments by adding screws to the nail fin installation holes. Repeat on the lock jamb until the door is plumb and square.
- C. **Fasten the door using 1-1/4" screws** in each of the nailing fin installation holes.



- D. **Install closure pieces from the exterior side**, (side opposite of the nailing fins), by guiding each closure between the weld plate and the stop return. Begin at either end of a closure piece, it may be necessary to apply slight pressure to the frame to allow the closure to go between the weld plate and stop return. When the head and both jamb closures are installed with the clearances set, (pushed flush against the wall), fasten the closures to the wall using 1-1/4 screws.

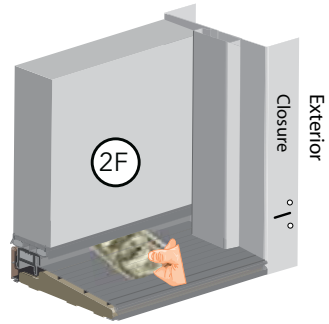
Note: Make sure the closure goes between the stop return and each weld plate along the length of the closure.



- E. **Install the provided hardware;** which includes the adjustable T-strike and deadbolt strike or the deadbolt cover.

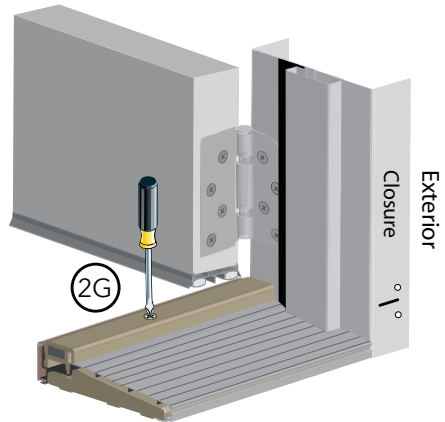
2 SETTING AND FASTENING THE DOOR:

- F. **Check for sufficient weatherstrip contact** between the panel bottom weatherstrip and the threshold. Close the door on a dollar bill or sheet of paper located above the adjustment screws; light friction should be felt when pulling the paper out indicating a good seal is being made. If there is not a good seal, adjust the threshold. Repeat for each adjustment screw.

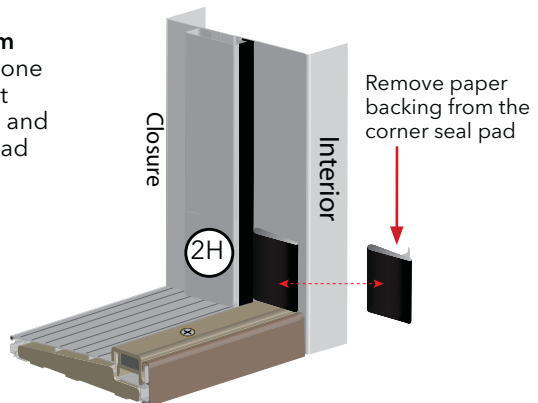


- G. **If needed the height of the standard threshold can be adjusted** to achieve appropriate contact with the door sweep. Remove the screw cover caps as necessary and use a #2 Phillips screwdriver to turn the adjustment screws clockwise to lower the threshold or counter-clockwise to raise the threshold.

Note: The low profile (ADA) threshold is not adjustable.



- H. **Remove the backing paper from the corner seal pads** and place one in each corner of the frame tight against the top of the threshold and thicker portion of the tapered pad against the frame weatherstrip.



Adjust the torque on each spring hinge - reference the separate Spring Hinge Adjustment Instructions included with the Door.