

# Installation Instructions – Door Surrounds

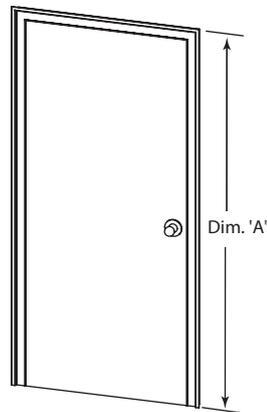
## Required for Installation:

Electric drill, 1/4" (6mm) drill bit, saw, screws, shutter fasteners. (1/4" (6mm) carbide drill bit is required for stucco, hardboard, fibre cement, brick, or masonry.)

**Note:** The illustrations contained in these instructions use a 9" (229mm) Header and Base for examples. A 6" (152mm) Header and Base can be used just as easily. The siding has been removed from the illustrations for clarity.

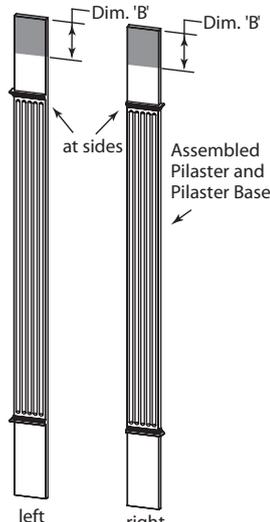
### Step 1

Measure the height of the door. This includes any brick mould or trim that may be around the door. Record this as Dimension 'A'.



### Step 2

Assemble the pilasters to the pilaster bases. Cut the pilaster assembly from the top so that its finished length is Dimension 'A' minus 1/2" (13mm). To achieve this, use the following formula: 96" (2438mm) (the length of the pilaster) minus Dimension 'A' minus 1/2" (13mm) equals Dimension 'B'. Measure and cut Dim. 'B' from the top of both pilasters. See figure at right. Be sure the pilasters are oriented in the correct position before cutting. The flat side of the pilaster goes against the door. If Dimension 'B' is greater than 10" (254mm), cut the remaining material off the bottom of the pilaster.



### Step 3

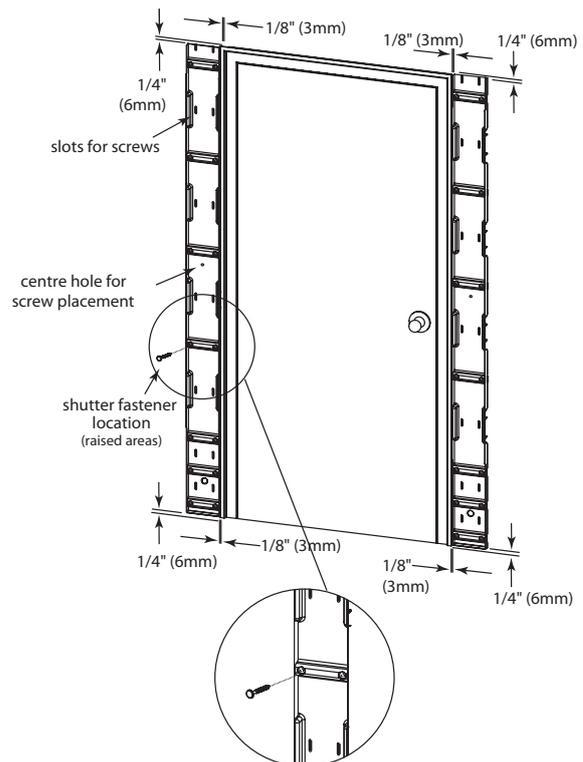
Unsnap the assembly and position the Pilaster Base 1/8" (3mm) away from the sides of the door and 1/4" (6mm) up from the bottom of the door. This should leave it 1/4" (6mm) short from the top of the door.

### Step 4

Place a screw (not a shutter fastener) in the centre hole of the Pilaster Base (not in a slot). This insures that the expansion and contraction will be a minimum at the top and bottom.

### Step 5

Place the remaining screws in the slots or drill 1/4" (6mm) holes 2 1/2" (64mm) deep into the wall to accept the shutter fasteners. Use the shutter fasteners only in the round holes moulded into the raised areas of the Pilaster Base. Do this for both sides of the door. The screws should be centred in the slot and not over tightened. The Pilaster Base must be able to expand and contract with changes in temperature.



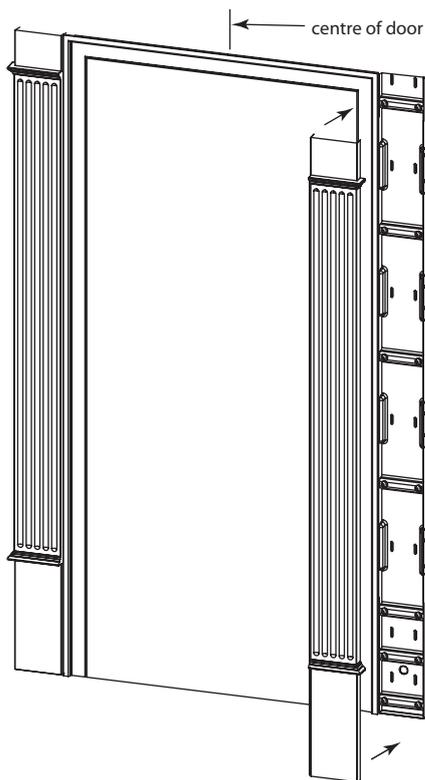
### Step 6

Snap the Pilasters over the Pilaster Bases. Be sure the locks of the pilaster are fully engaged.

### Mounting the Header

#### Step 7

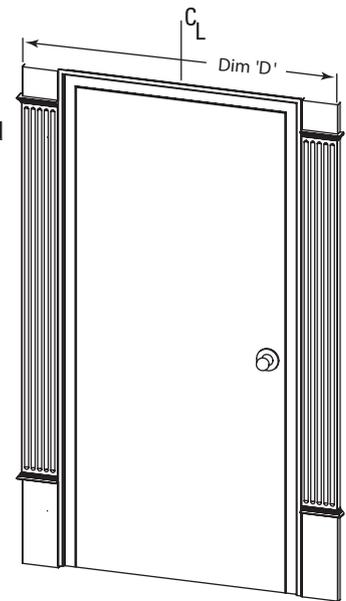
Mark the centre of the door with a vertical line.



### Step 8

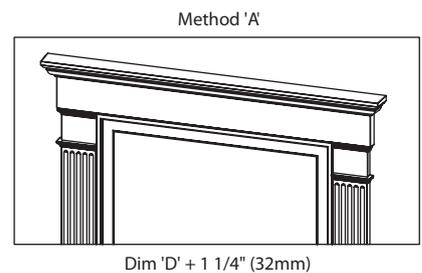
Measure the distance between the outside edges of the Pilasters and record this as Dimension 'D'.

**Note:** There are different methods to place the header on the door.



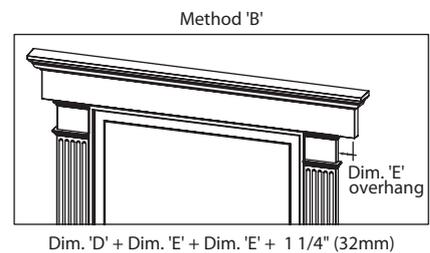
#### Method A

If you want your installation to look like Method 'A', you will need to add 1 1/4" (32mm) to Dimension 'D'. This will allow the Header to be flush with the Transition Top when it's installed.



#### Method B

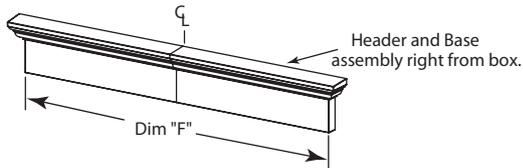
If you want your installation to look like Method 'B', you will need to add the amount of overhang you want. Be sure to multiply the amount of overhang by 2 when adding. You want the overhang on both sides of the door.



**Note:** If you have ordered a custom cut or standard size header in the exact size needed, go to step 14.

### Step 9

With the Header and Header Base assembled, mark the centre line (CL) of the assembly.



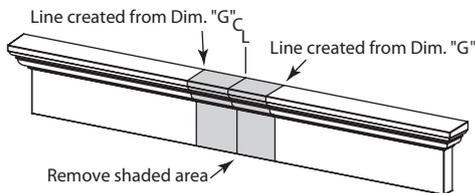
### Step 10

Next, subtract the dimension from Method A or B on page 2 from Dimension 'F' and divide the result by 2. This will give you Dimension 'G'.

$$\frac{\text{Dim. 'F' - A or B Dim.}}{2} = \text{Dim. 'G'}$$

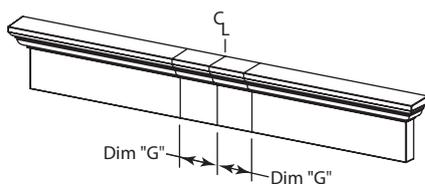
### Step 11

Transfer Dimension 'G' to the Header Assembly. Dimension 'G' will be transferred 2 times; once on each side of the centre line.



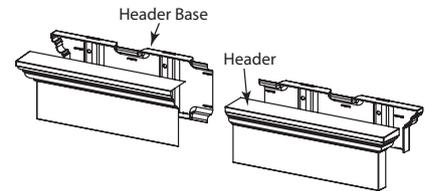
### Step 12

Cut the Header and Header Base assembly at the lines created by Dimension 'G'.



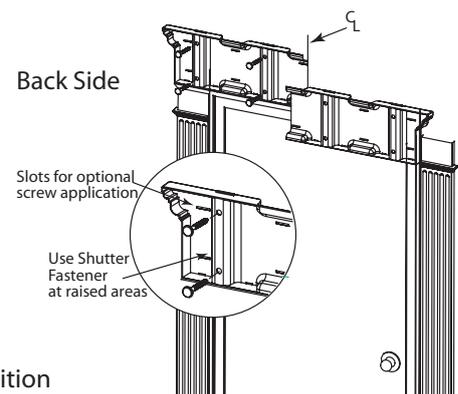
### Step 13

Once the Header has been cut to the correct length, disengage the locking tabs and remove the header from the Header Base. To release the locks, start at the open end of the cut Header Assembly and pull the wall of the Header away from the Header Base. Continue this process, working your way to the end of the cut Header Assembly.



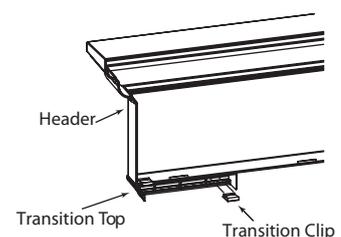
### Step 14

Align the Centre Line (CL) of the door to the cut edges of the Header Base. Leave approximately an 1/8" (3mm) gap between the bottom of the Header Base and the top of the door. This will give the Header clearance when snapped into place. When the Header base is properly located, fasten it into place. The preferred method of attaching the base to the house is to use the shutter fasteners that are enclosed with the kit. In order to install the shutter fasteners, 1/4" (6mm) holes must be drilled 3" (76mm) deep into the wall. Use the shutter fasteners only in the round holes molded into the raised areas of the Header Base. Space the shutter fasteners accordingly along the Header Base. Another method is to use screws. Use the elongated slot in the base and attach the base to the house using the screws provided with the kit. Be sure not to fasten the screws too tightly to allow for expansion and contraction.



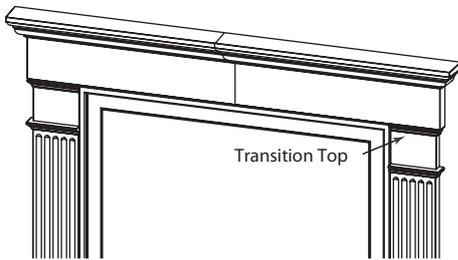
### Step 15

Place the Transition Top pieces on the Header in the approximate locations of the Pilasters. Clip them to the header using the clips provided. Use two clips per Transition Top.

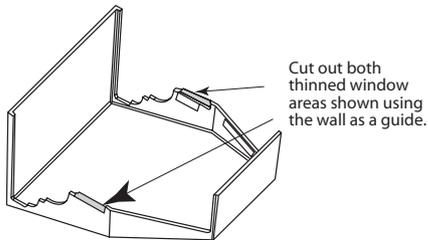


**Step 16**

Snap the Header over the Header Base. At this point you may have to reposition the Transition Top pieces so they line up correctly with the Pilasters. Installation of Keystone

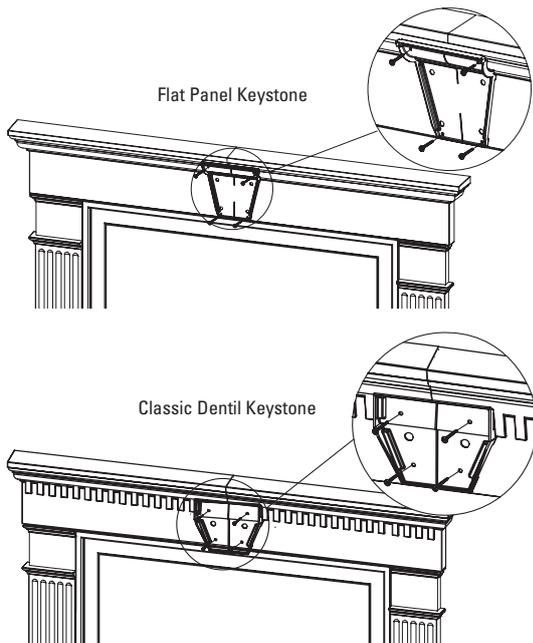


If you are installing a classic dentil profile header, and the dentil teeth land on the sides of the keystone, it will need to be trimmed as shown below to properly snap in place.



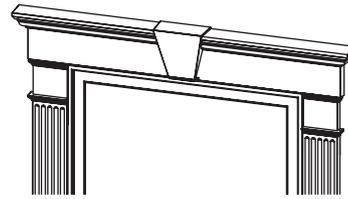
**Step 17**

Centre the Keystone Base over the Header. The bottom of the Keystone Base and the bottom of the Header should be flush. Screw the Keystone Base into place using the enclosed screws.



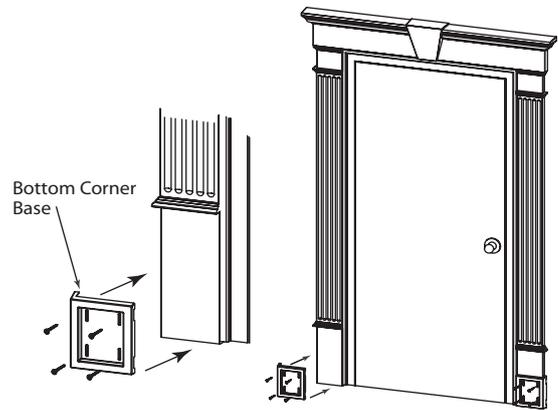
**Step 18**

Snap the Keystone over the Keystone Base.



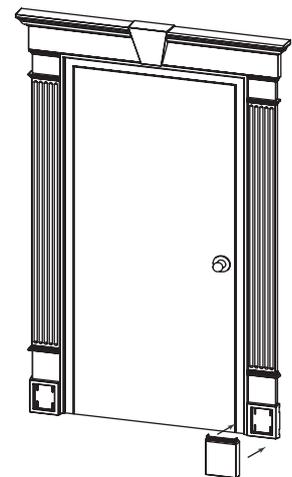
**Step 19**

The back of the Bottom Corner Base has text to show the correct orientation for the left and right side of the door. Line up the bottom of the Bottom Corner Base with the bottom of the Pilaster. Screw the Corner Base to the Pilaster using the elongated screw slots for proper screw placement. Be sure the lock tabs engage.



**Step 20**

Once the Bottom Corner Base has been securely fastened into place, snap the Bottom Corner over the Bottom Corner Base. Repeat the procedure for the other side of the door.



# Measuring Doors

Door Surrounds are comprised of a Pilaster Kit and a Header plus Keystone.

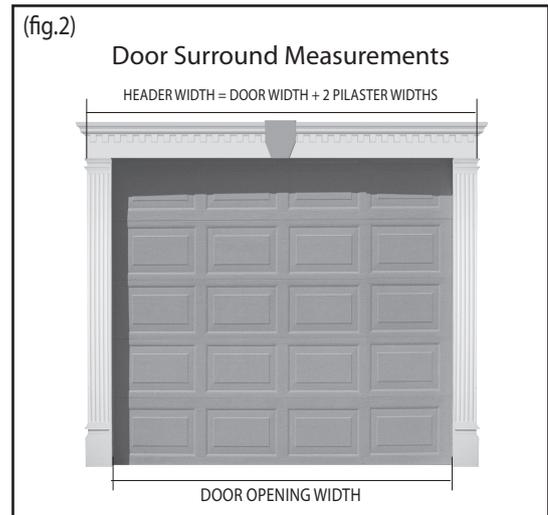
The Pilaster comes in one size: 96" / 8 feet (2438mm) long. It can be cut to fit the door exactly.

The only measurement that you need is for the header.

Note: Header width indicates the width along the base of the header.

Determine the Header Width

- A. Measure door opening width as shown in fig. 2. Remember to include the frame in your measurement.
- B. Add the width of the pilaster two times ( $6 \frac{7}{8}" \times 2 = 13 \frac{3}{4}"$ ) (174.5 mm x 2 = 349mm) to the above width measurement.
- C. The final number is the header width for the door surround.



When measuring the width of your door be sure to include the frame.