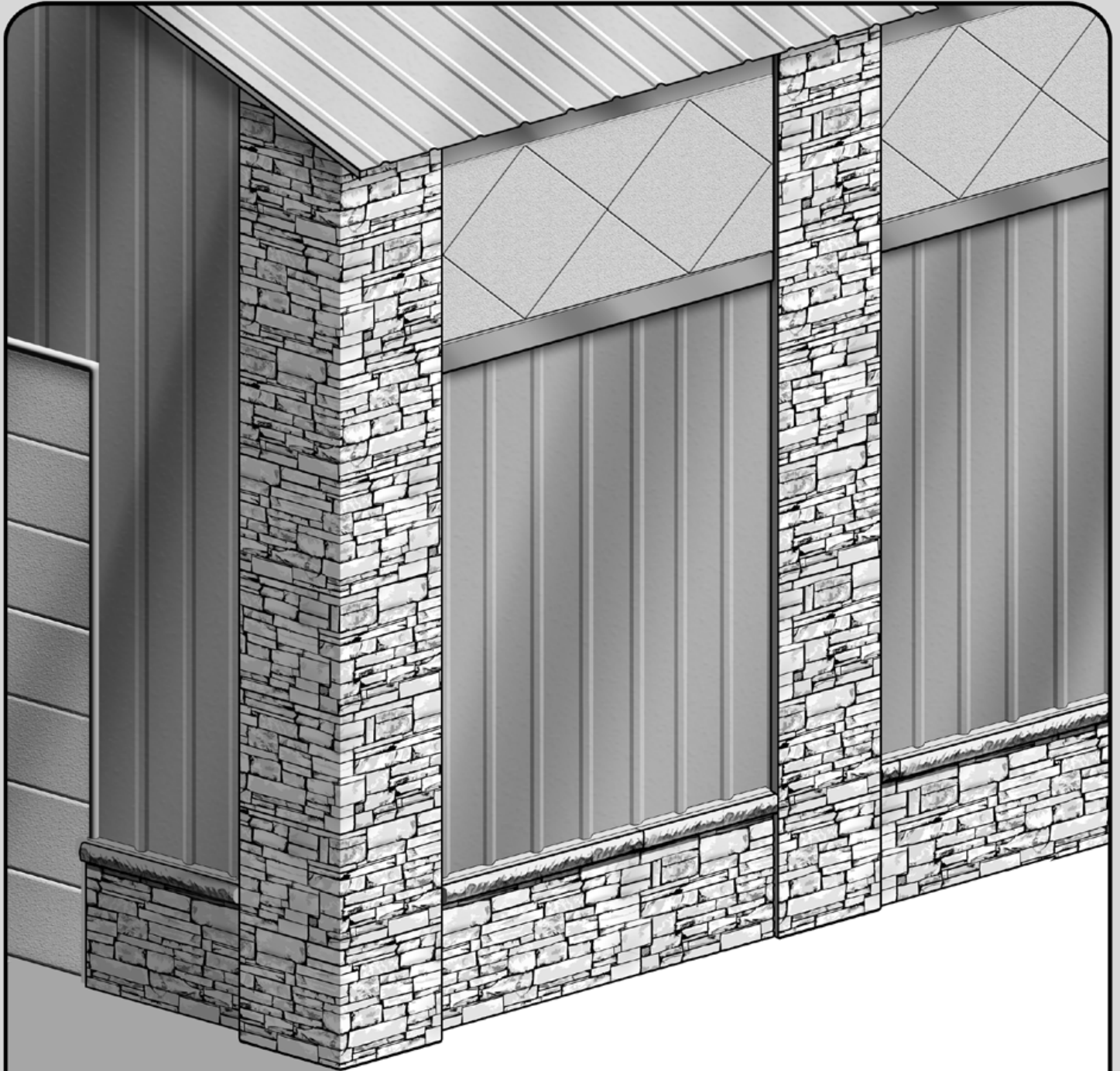


# **URESTONE**

**BY REPLICATIONS UNLIMITED**



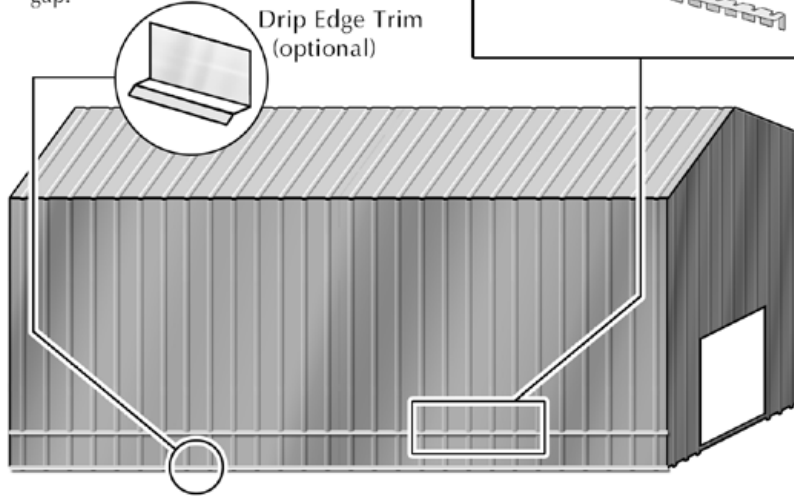
## **METAL BUILDING INSTRUCTION MANUAL**

## Metal Building Instructions Index

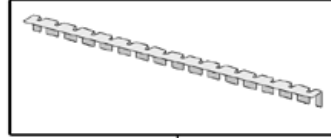
1 · Installing R-Panel Trim for Wainscot .....	2
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### 1.1 · R-Panel Trim On A Metal Building

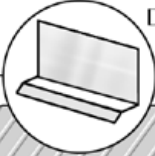
When adding URESTONE Wainscot Panels to a metal building, there will be a 1 1/2" gap between the peaks and valleys of the panel profile. A R-Panel Trim will fill the gap.



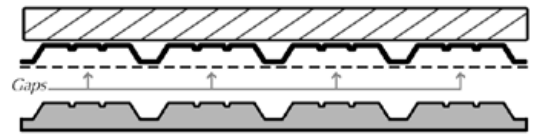
R-Panel Trim



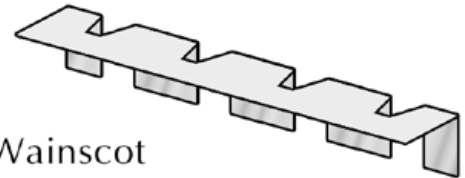
Drip Edge Trim (optional)



Plan View



R-Panel Trim

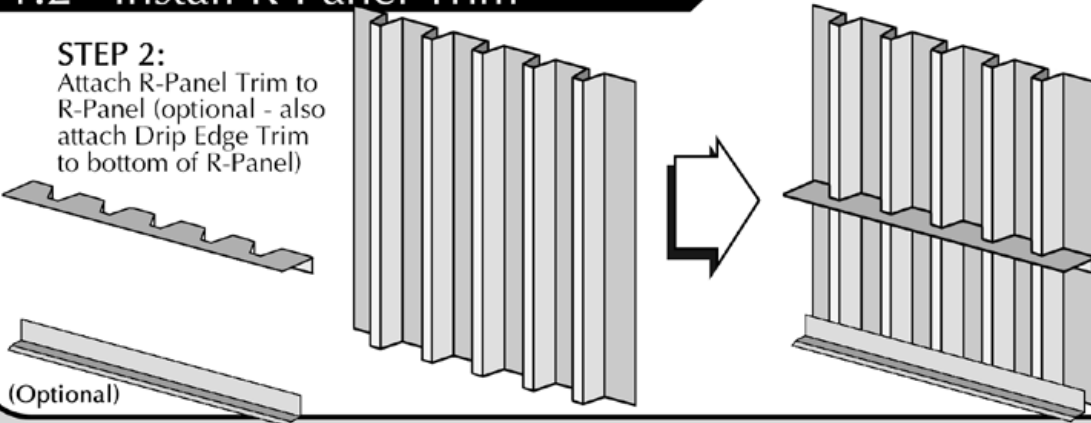


Wainscot

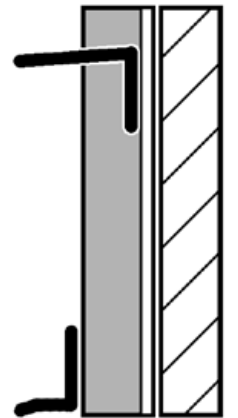


### 1.2 · Install R-Panel Trim

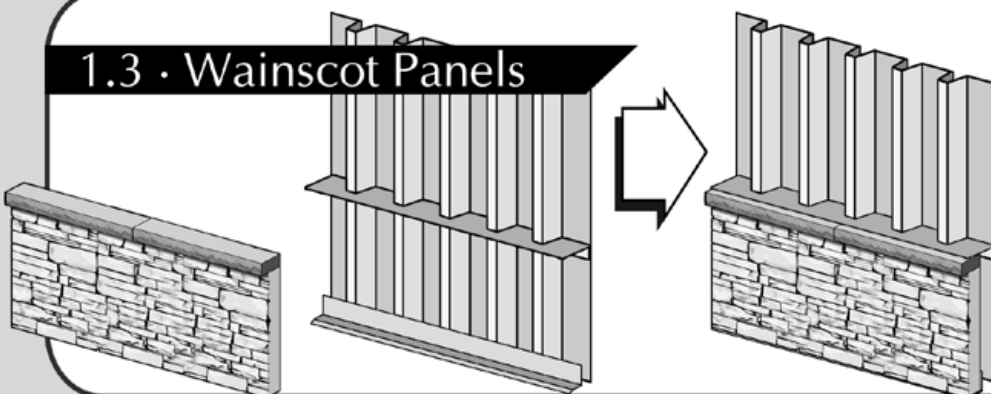
**STEP 2:**  
Attach R-Panel Trim to R-Panel (optional - also attach Drip Edge Trim to bottom of R-Panel)



Side View



### 1.3 · Wainscot Panels



Plan View



The R-Panel Trim is designed to fill the gap between the panels and R-Panel, but still allows water to drain behind panels.

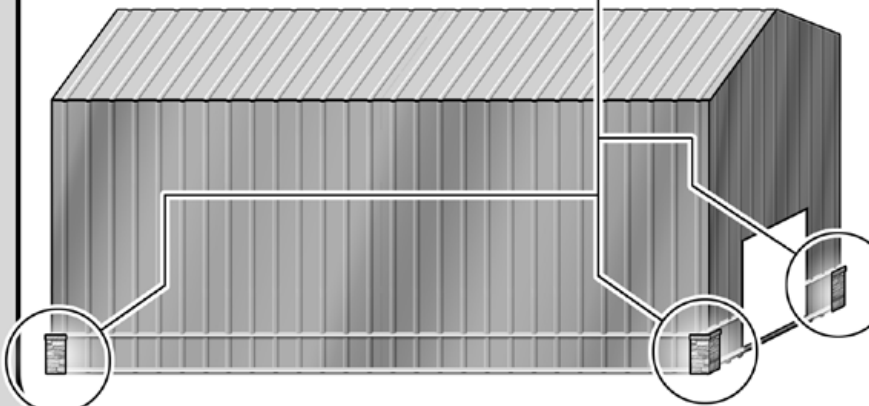
**STEP 3:**

The Wainscot Panels will fit between the R-Panel Trim and the Drip Edge Trim (if installed). \* If using wainscot corners, install them **before** the wainscot panels (See Section 2).

### 2.1 · Wainscot Corners On A Metal Building

**STEP 1:**

When using URESTONE Wainscot Corners on a metal building in addition to the wainscot panels, install the corners **after the R-Panel Trim (Section 1) and before the panels.**



Wainscot Panel

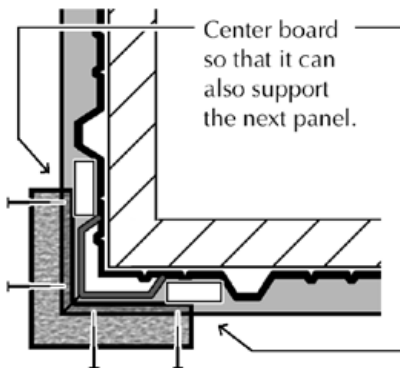
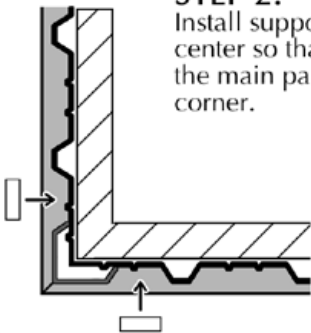


Wainscot Corner

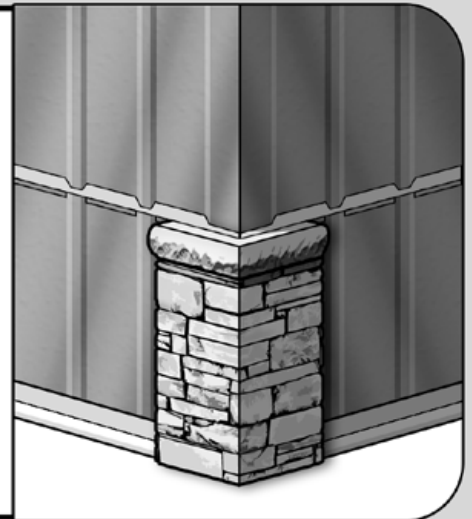
### 2.2 · Support Blocks

**STEP 2:**

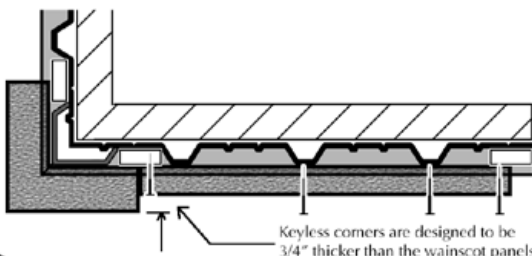
Install support blocks and center so that it also supports the main panels. Install corner.



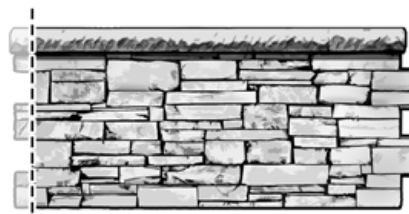
Center board so that it can also support the next panel.



### 2.3 · Wainscot Panels

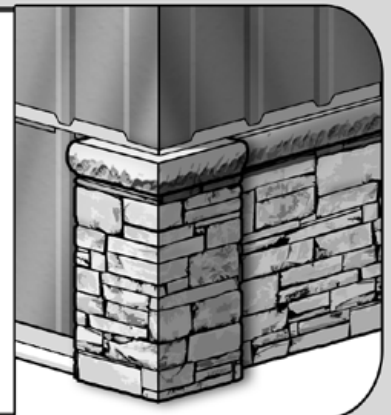


Keyless corners are designed to be 3/4" thicker than the wainscot panels.



**STEP 3:**

Cut keys off of the first Wainscot Panel on the side going next to the corner, and butt into wainscot corner. Then caulk between panel and corner.



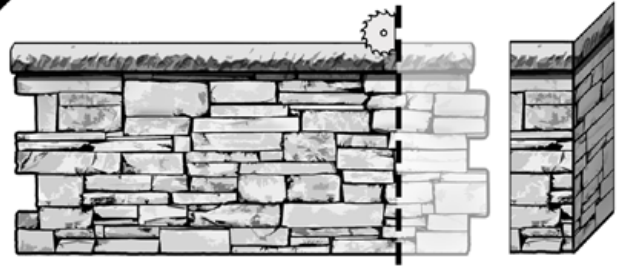


## 2.4 · Outside Corners - Keyless

Some of URESTONE Panels only have keyless corners. The keyless corners have flat sides and provide more space when installing panels between corners. These corners have a little more thickness depth than the thickness of the panels and “frame” the panels on each end. The procedure is to start with the first corner and cut off the keys on the panel used with this corner and then install the panels until you reach the other corner. Then you add the corner on the opposite side and cut the last panel to fit between this corner and the last panel.

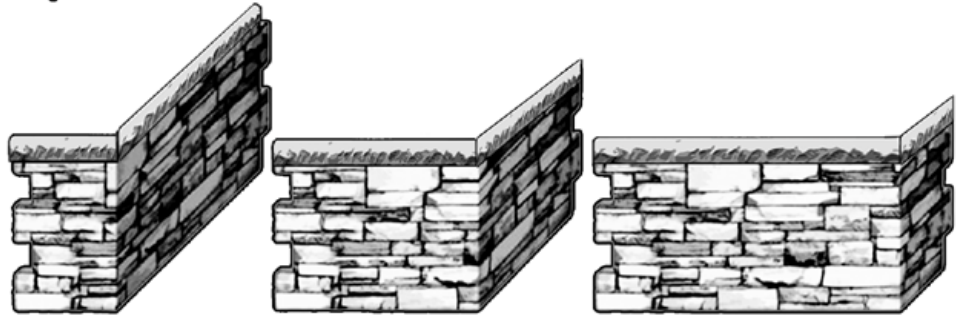
### TOP VIEW

- Corner is thicker than panel.



## 2.5 · Custom Factory Corners

Custom factory wainscot corners can also be pre-made for any type of projects. Instead of traditional corners these are fabricated in house to better fit certain dimensions and buildings.



## 2.6 · Outside Corners - Keyed

Most of our wainscot panels have corners with interlocking keys. This option provides one of the most natural looking corner transition. If you have two corners on your project, the keyed corner may work to start one side but unless there is a break (like a door or bump out) between the first and opposite corner, then you may not be able to have a keyed corner on the opposite side.

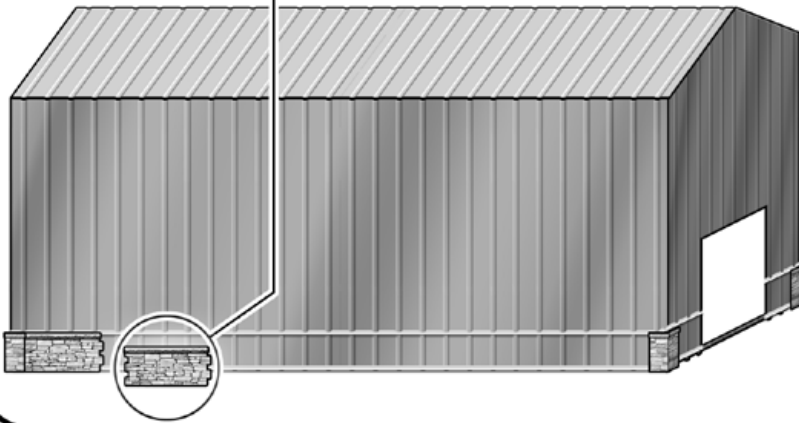
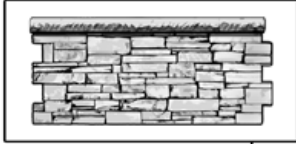
### TOP VIEW

- Panel and Corner are same thickness.



### 3.1 · Wainscot Panels On A Metal Building

**Interlocking Panels Together**  
The URESTONE System needs to be properly glued and screwed at the interlocking key connections *to reduce any potential shrinkage of the system.*



Wood Board

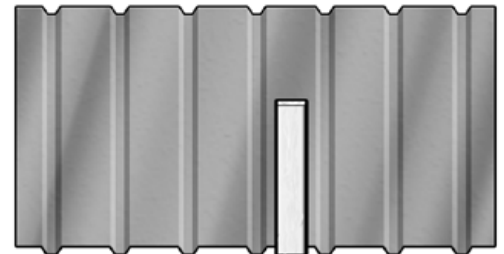


Wainscot Panel



#### STEP 1:

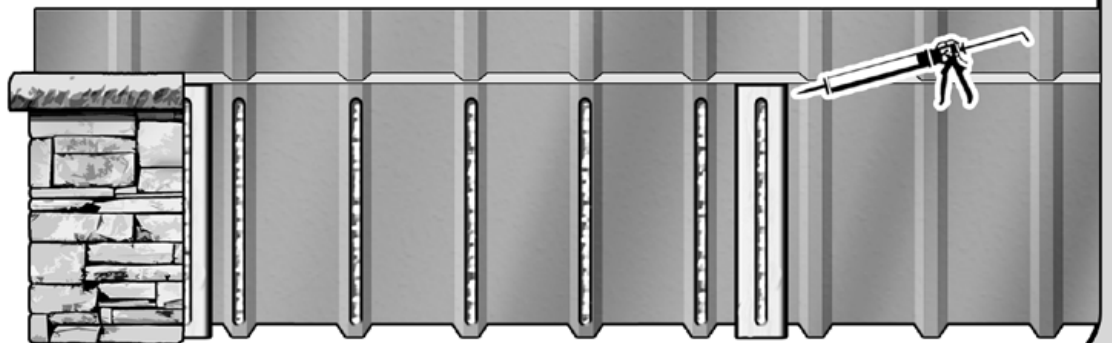
Attach a 6" wide support board to the metal siding where the panels are going to be interlocking together.



### 3.2 · Support Blocks

#### STEP 2:

Apply adhesive on the support board and on the peaks of the metal building profile.



### 3.3 · Wainscot Panels

#### STEP 3:

Attach the panel over the adhesive covering half the wood support (the other half will be used for the next panel that will be interlocking to the current panel). Apply screws in the tongue portion of the keys to further secure the panel in place.



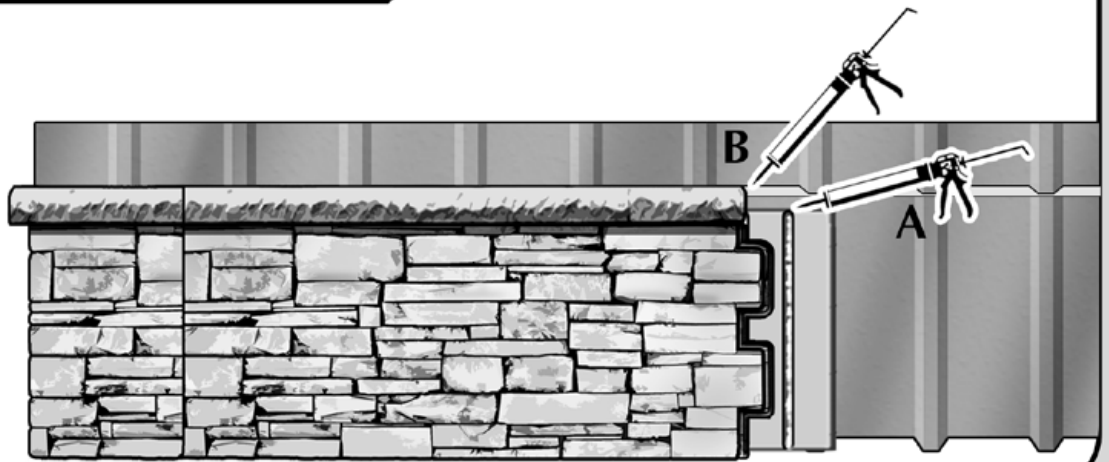
### 3.4 · Adhesive

**STEP 4A:**

Add polyurethane adhesive to the tongue of the previous panel and on the metal support glue plate.

**STEP 4B:**

Caulk between the panels as you go. Add caulk to the shiplap and the sides of the keys prior to installing the next panel.



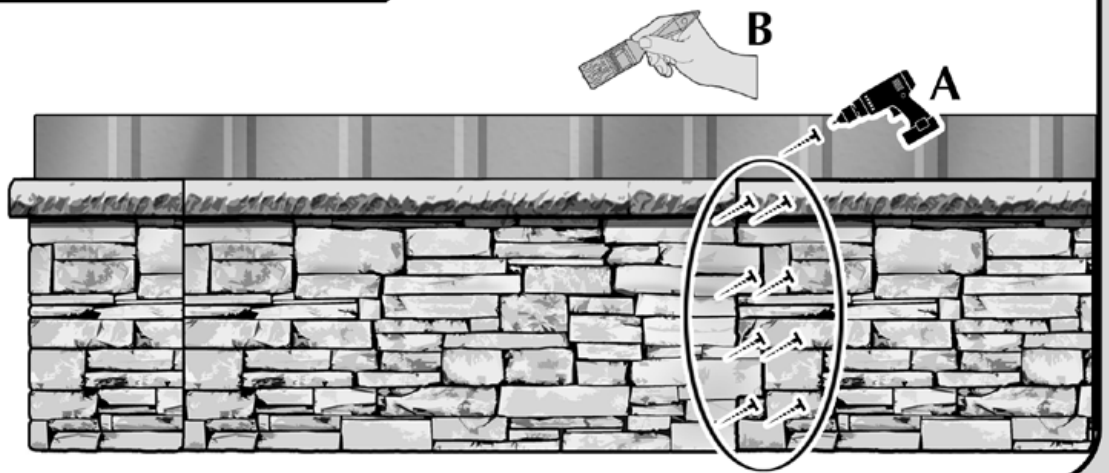
### 3.5 · Next Panel

**STEP 5A:**

Push the next panel together with installed panel carefully, so that it squeezes the caulk to fill the gap (~1/4-3/8"). Add screws to the new panels starting at the connection.

**STEP 5B:**

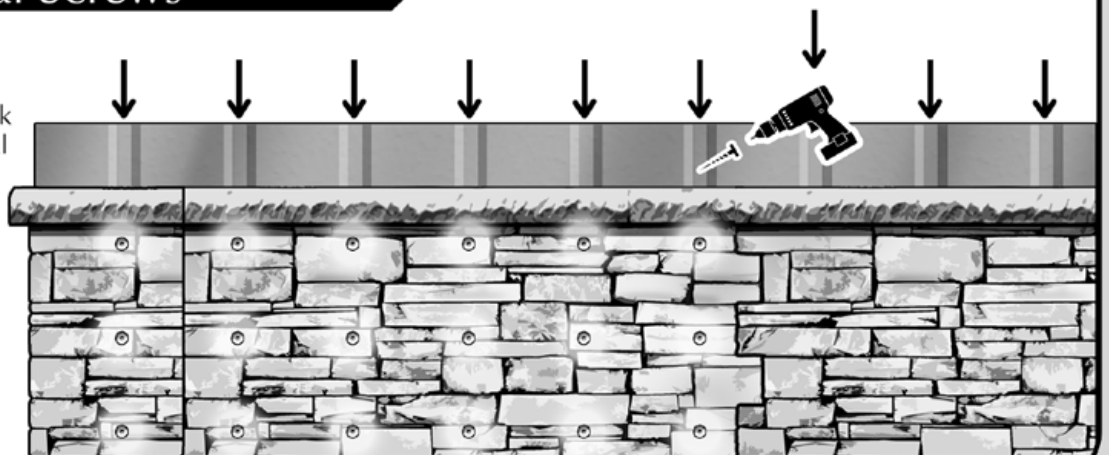
Use soapy water and a brush to level and texture the caulk.



### 3.6 · Additional Screws

**STEP 6:**

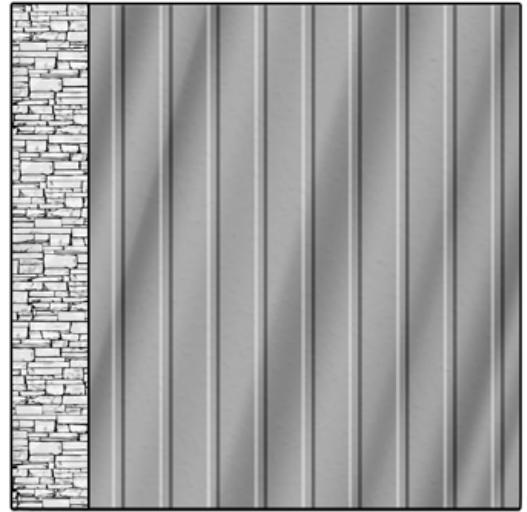
Add screws on each peak of the profile of the metal building.



**4.1 · Accent Corner/Pilasters Only**

(See Section 5.1)

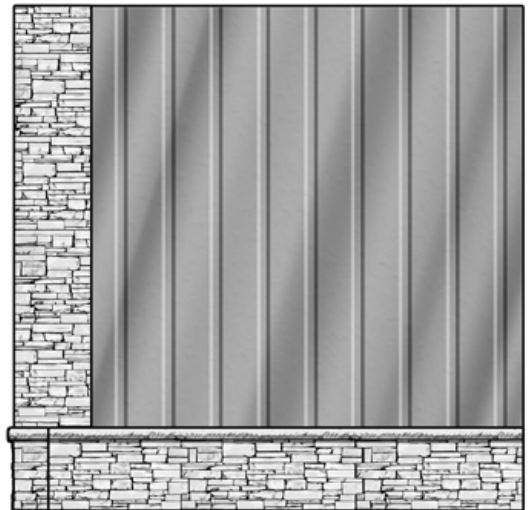
**Option 1:**  
Shown here is the accent corner applied flashing to the corner of a metal building.



**4.2 · Accent Corner/Pilasters on top Wainscot & Corner**

(See Section 6.1)

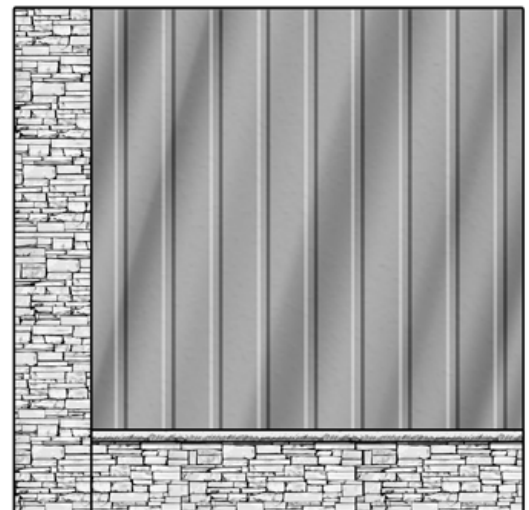
**Option 2:**  
Here is displayed the accent corner with the wainscot corner and the wainscot panels. In this configuration the Accent corner sits above the wainscot corner/panel system.



**4.3 · Accent Corner/Pilasters Framed Out**

(See Section 7.1)

**Option 3:**  
The accent corner is designed to be "framed out" (4") so that the wainscot panels terminate into it.



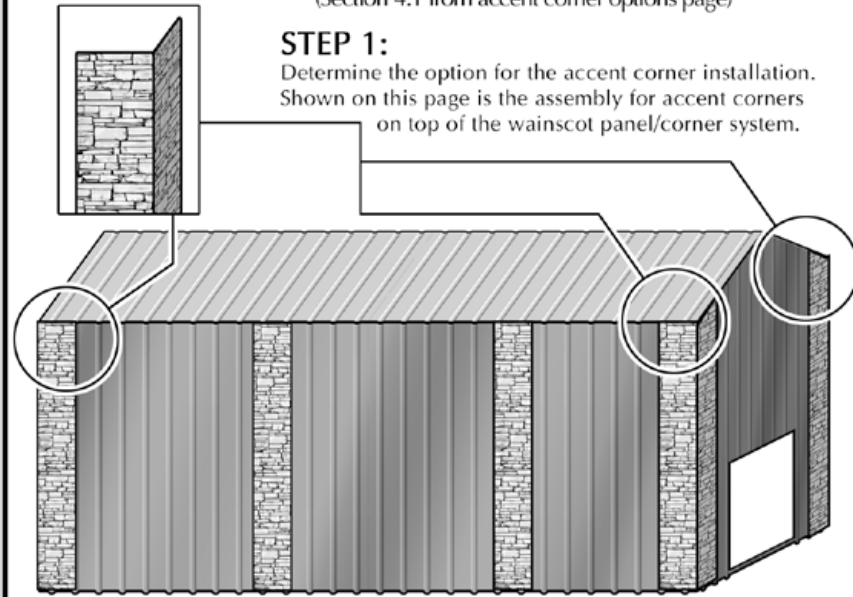
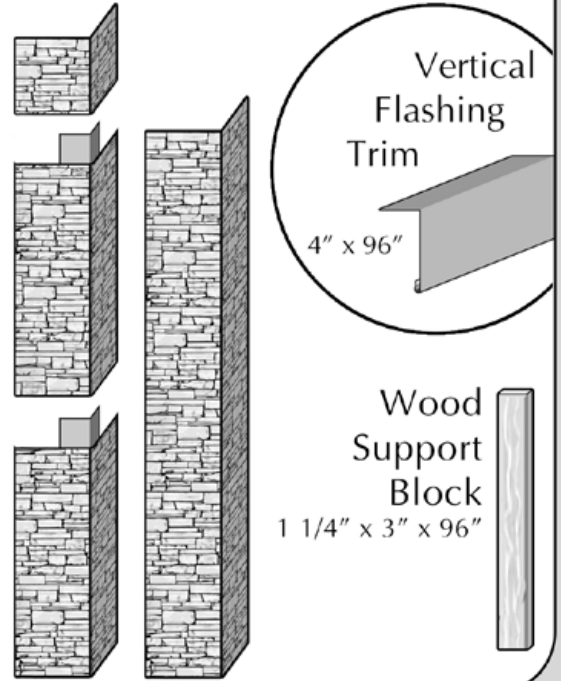


### 5.1 · Accent Corners On Metal Buildings

(Section 4.1 from accent corner options page)

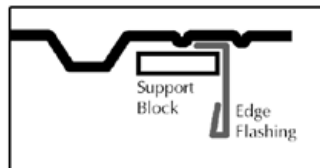
**STEP 1:**  
Determine the option for the accent corner installation. Shown on this page is the assembly for accent corners on top of the wainscot panel/corner system.

#### Accent Corner

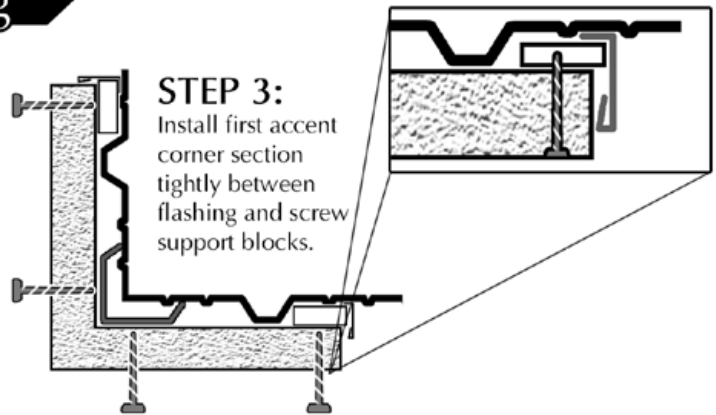


### 5.2 · Support Blocks & Flashing

**STEP 2:**  
Install side flashing and support blocks.

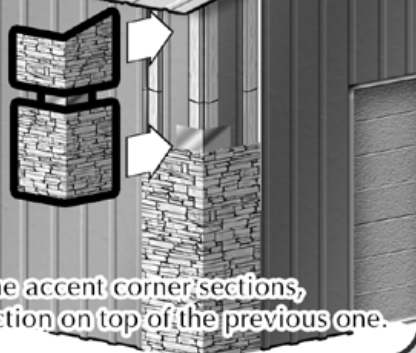


**STEP 3:**  
Install first accent corner section tightly between flashing and screw support blocks.



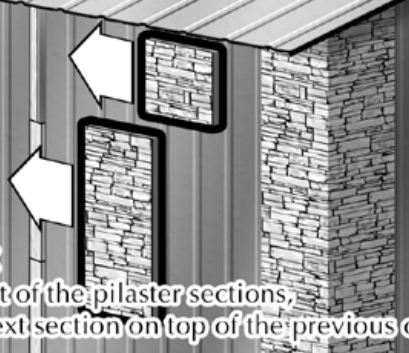
### 5.3 · Final Accent Corner Assembly

**STEP 4:**  
Install the rest of the accent corner sections, adding the next section on top of the previous one.



### 5.4 · Final Pilaster Corner Assembly

**STEP 5:**  
Install the rest of the pilaster sections, adding the next section on top of the previous one.

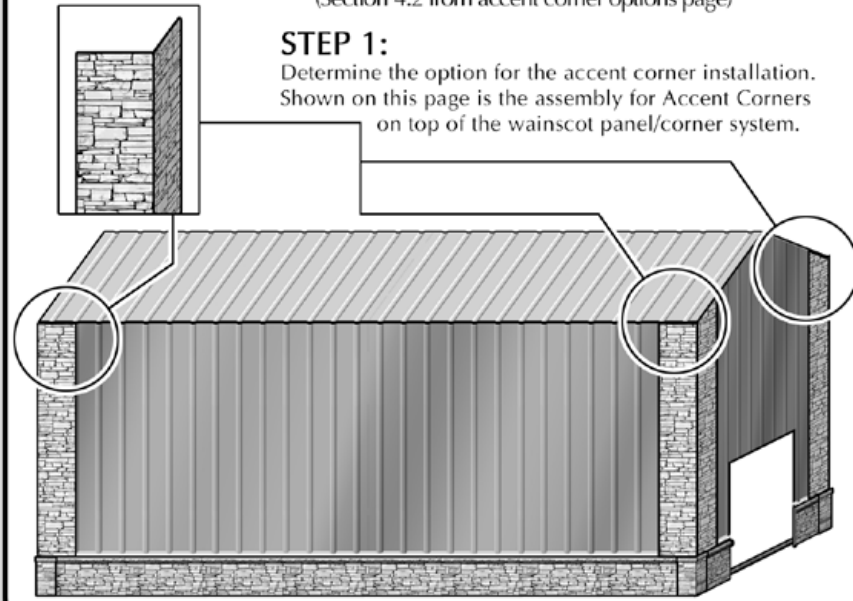
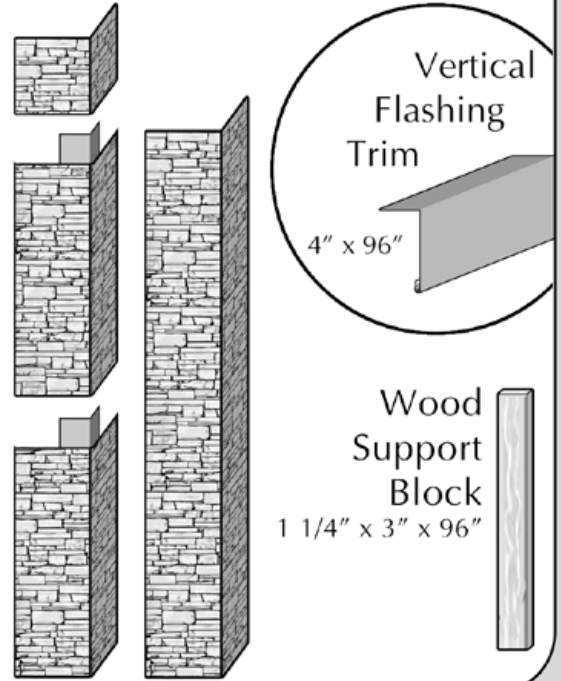


**6.1 · Accent Corners On Top of Wainscot**

(Section 4.2 from accent corner options page)

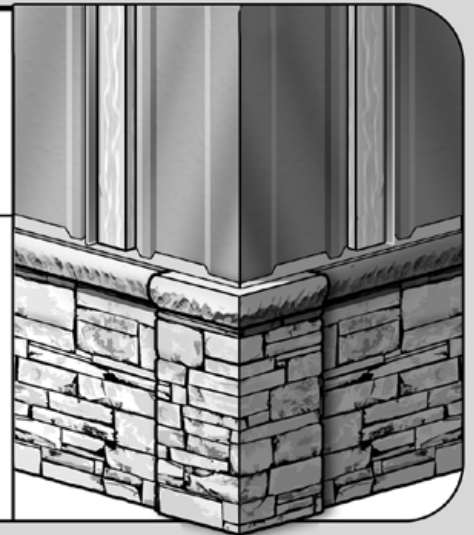
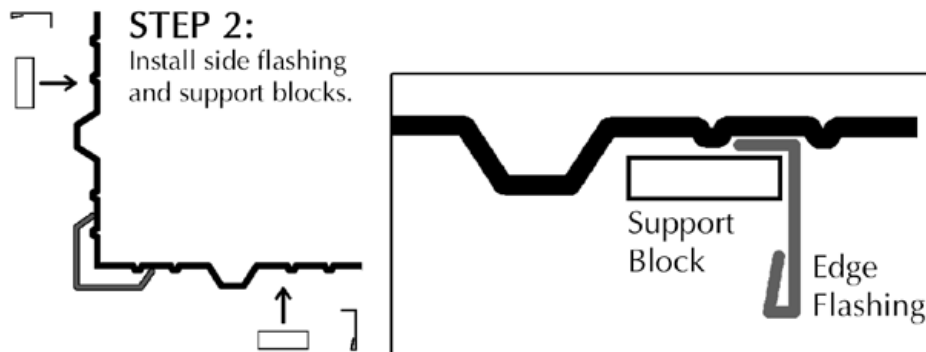
**STEP 1:**  
Determine the option for the accent corner installation. Shown on this page is the assembly for Accent Corners on top of the wainscot panel/corner system.

**Accent Corner**



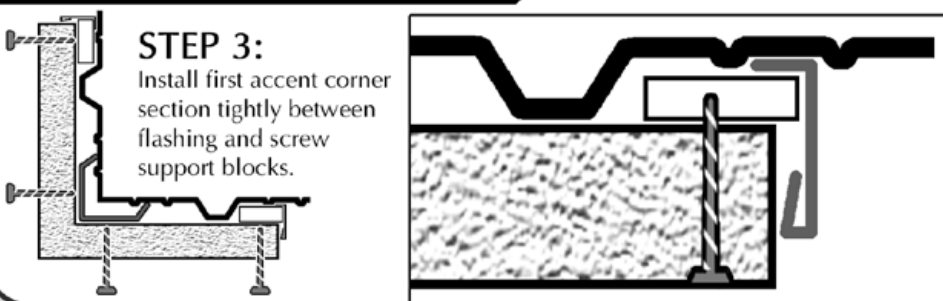
**6.2 · Support Blocks & Flashing**

**STEP 2:**  
Install side flashing and support blocks.

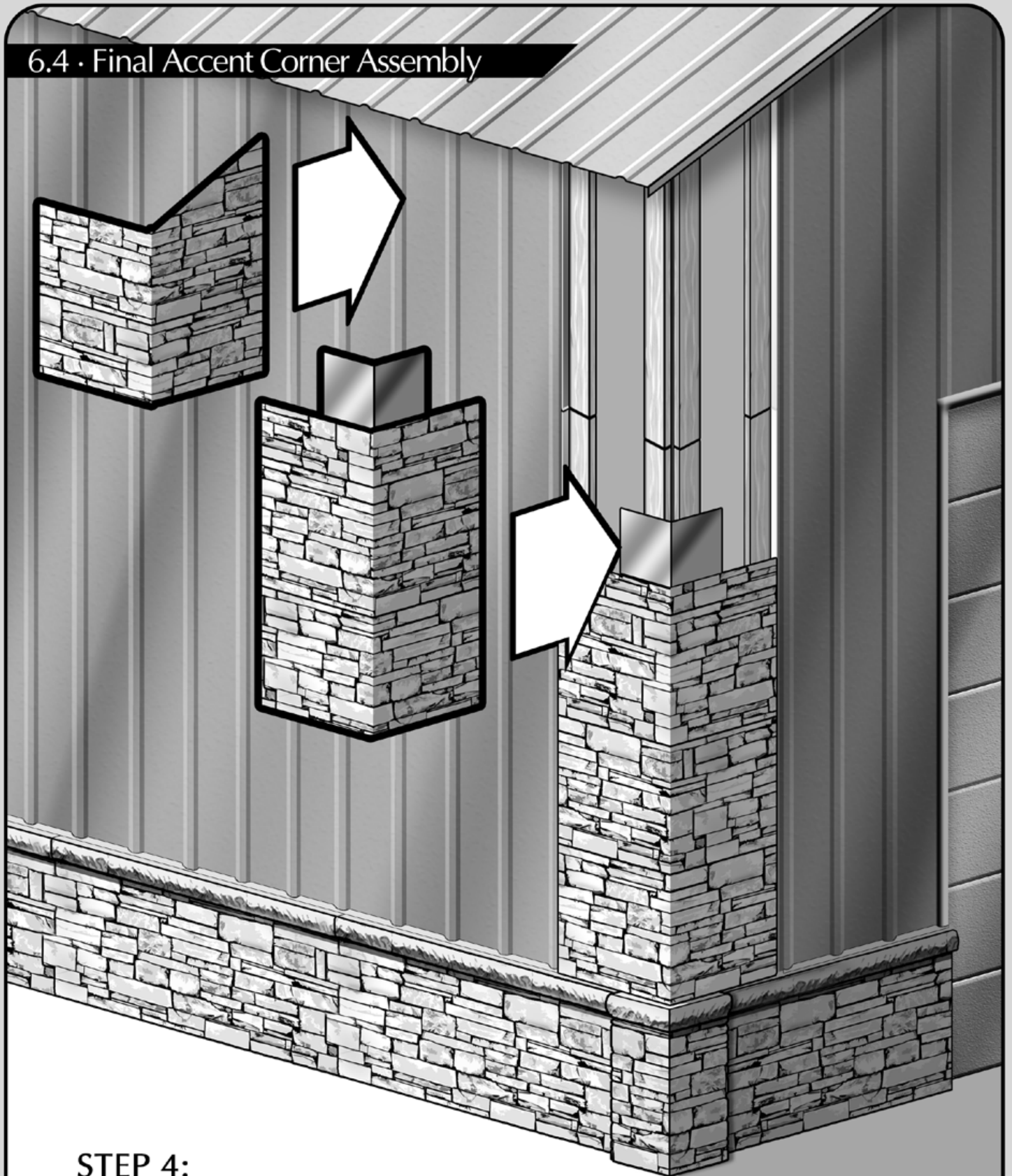


**6.3 · Accent Corner**

**STEP 3:**  
Install first accent corner section tightly between flashing and screw support blocks.



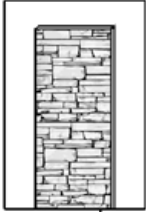
6.4 · Final Accent Corner Assembly



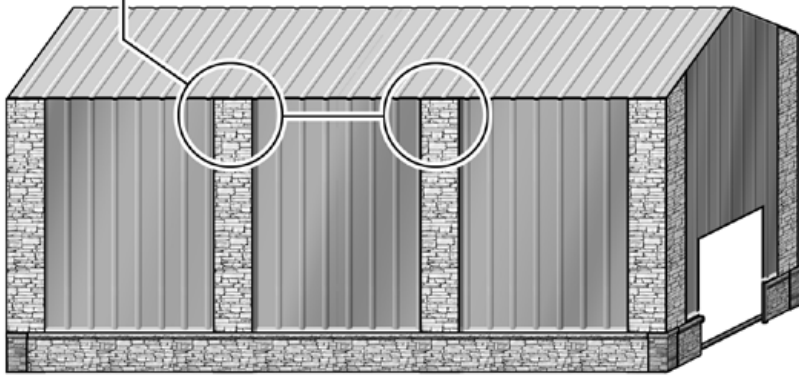
**STEP 4:**

Install the rest of the accent corner sections, adding the next section on top of the previous one.

**6.5 · Pilasters With Wainscot Panels**

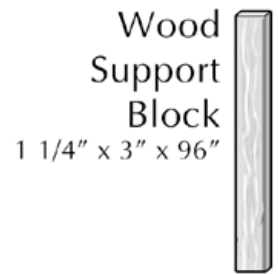
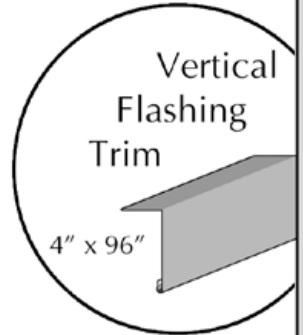


**STEP 1:**  
Determine the option for the pilaster installation. Shown on this page is the assembly for pilasters starting at ground level with the wainscot panels.  
(Pilasters should be installed *before* panels)



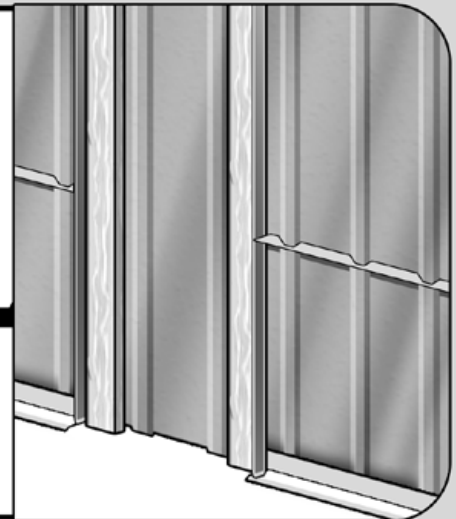
(Pilasters should be installed on top of wainscot panels)

Pilaster



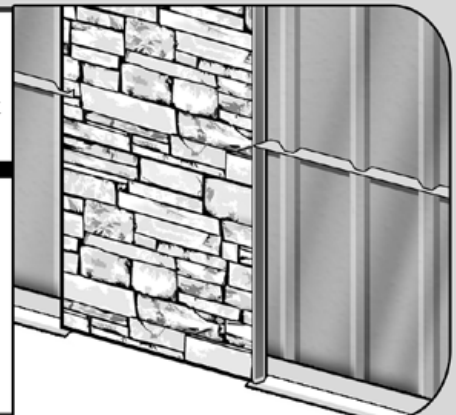
**6.6 · Support Blocks & Flashing**

**STEP 2:**  
Install side flashing and support blocks.



**6.7 · Pilaster**

**STEP 3:**  
Install first pilaster section tightly between flashing and screw support blocks.

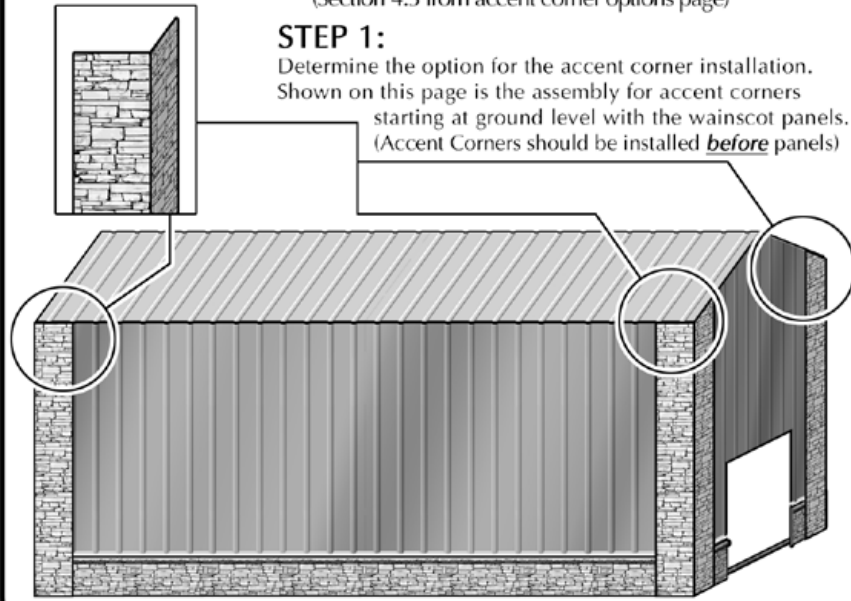




**7.1 · Accent Corners With Wainscot Panels**

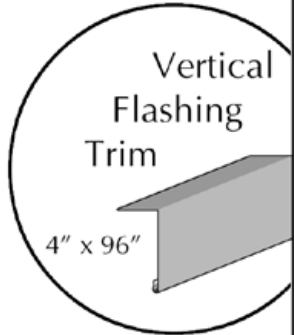
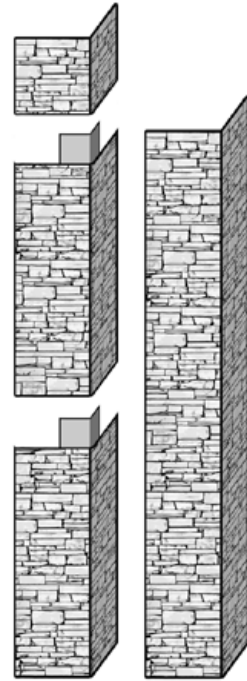
(Section 4.3 from accent corner options page)

**STEP 1:**  
Determine the option for the accent corner installation. Shown on this page is the assembly for accent corners starting at ground level with the wainscot panels. (Accent Corners should be installed *before* panels)



(Wainscot panels should be installed *after* Accent Corners for this configuration)

**Accent Corner**



Vertical  
Flashing  
Trim

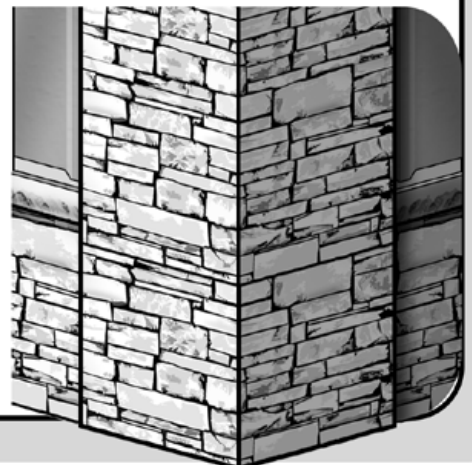
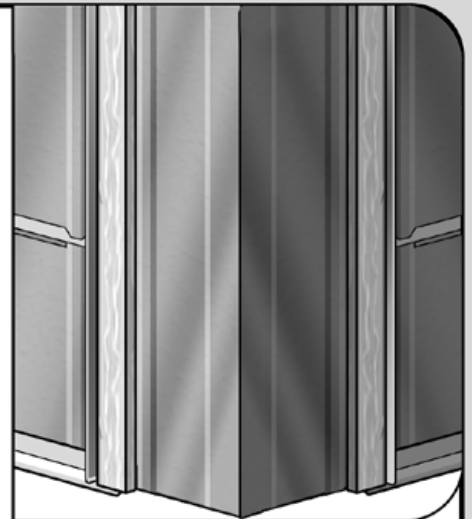
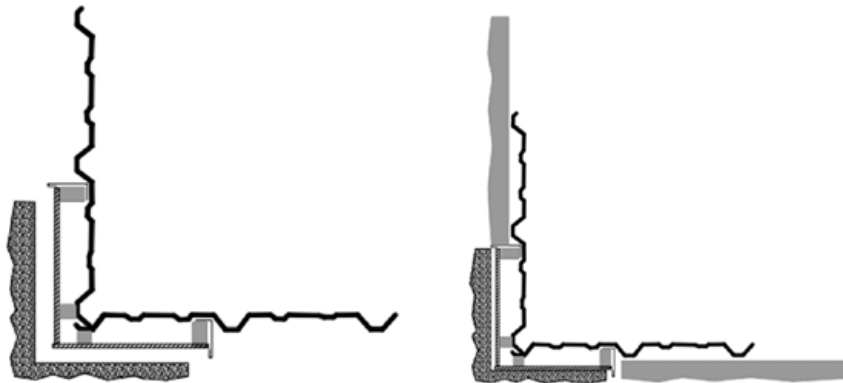
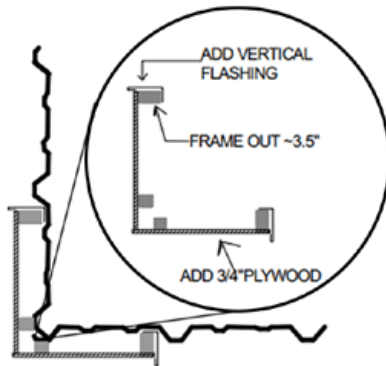
4" x 96"

Wood  
Support  
Block

1 1/4" x 3" x 96"

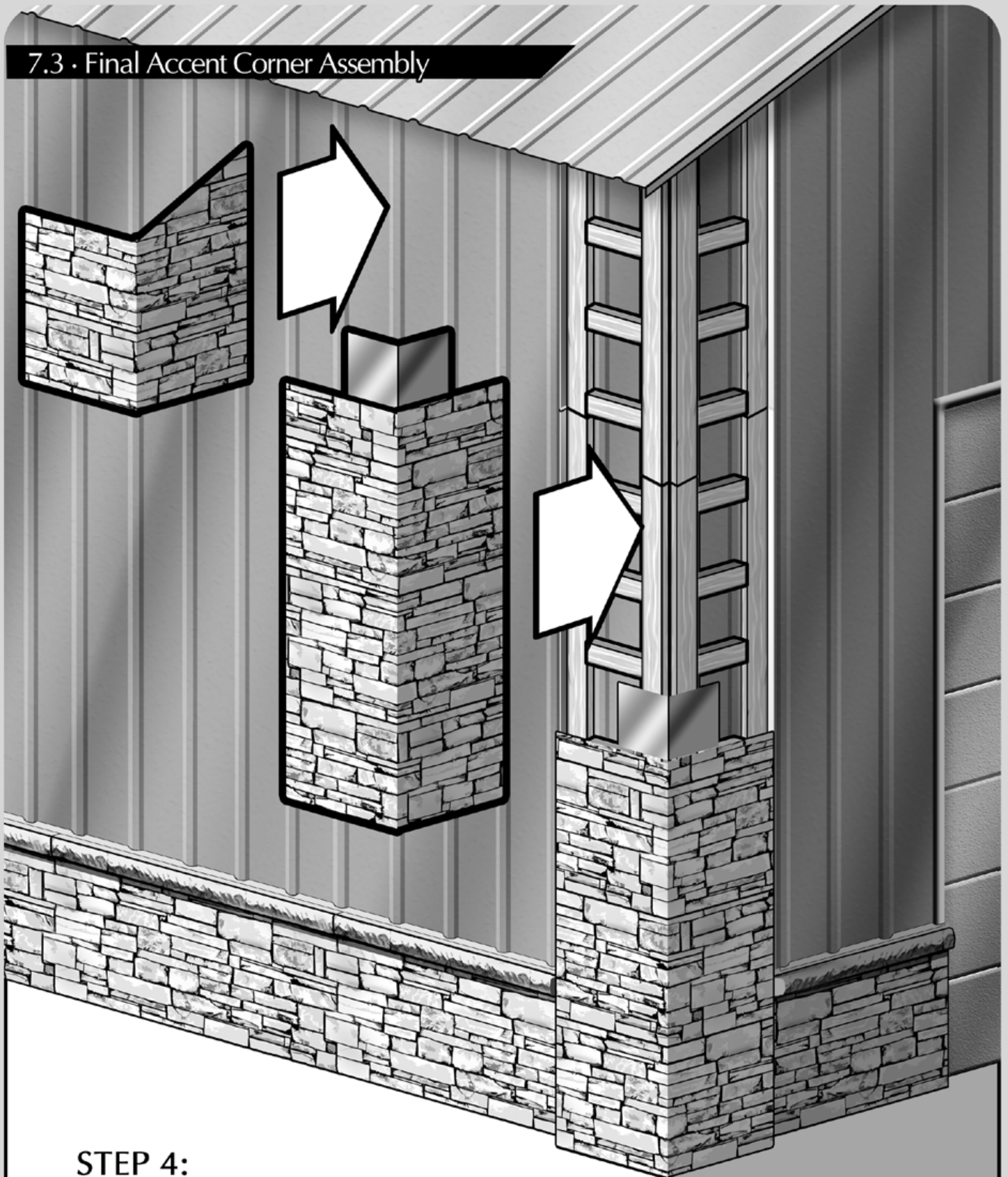
**7.2 · Support Blocks & Flashing**

**STEP 2:**  
Install side flashing and support blocks. When the wainscot panels are used, the accent corners needs to be framed out deeper to accommodate the thicker edge.





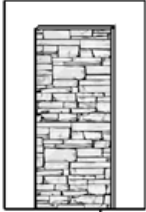
7.3 · Final Accent Corner Assembly



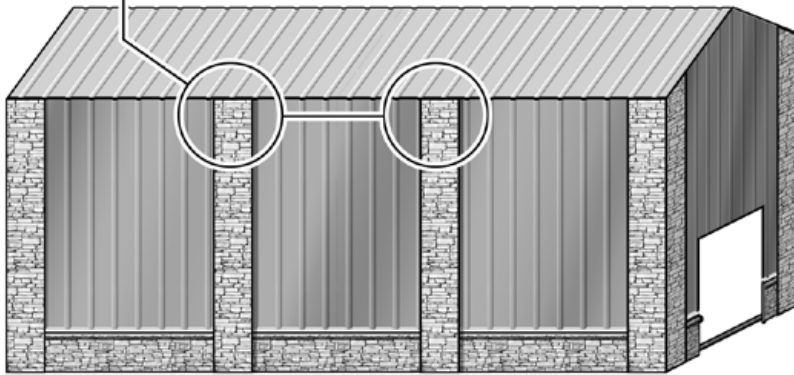
**STEP 4:**

Install the rest of the accent corner sections, adding the next section on top of the previous one.

**8.1 · Pilasters With Wainscot Panels on Side**

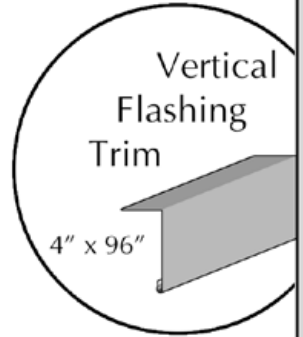


**STEP 1:**  
Determine the option for the pilaster installation. Shown on this page is the assembly for pilasters starting at ground level with the wainscot panels.  
(Pilasters should be installed *before* panels)



(Wainscot panels should be installed *after* pilasters for this configuration)

**Pilaster**



**Vertical Flashing Trim**

4" x 96"

**Wood Support Block**

1 1/4" x 3" x 96"



**8.2 · Support Blocks & Flashing**

**STEP 2:**  
Install side flashing and support blocks.  
When the wainscot panels are used, the pilasters need to be framed out deeper to accommodate the thicker ledge

