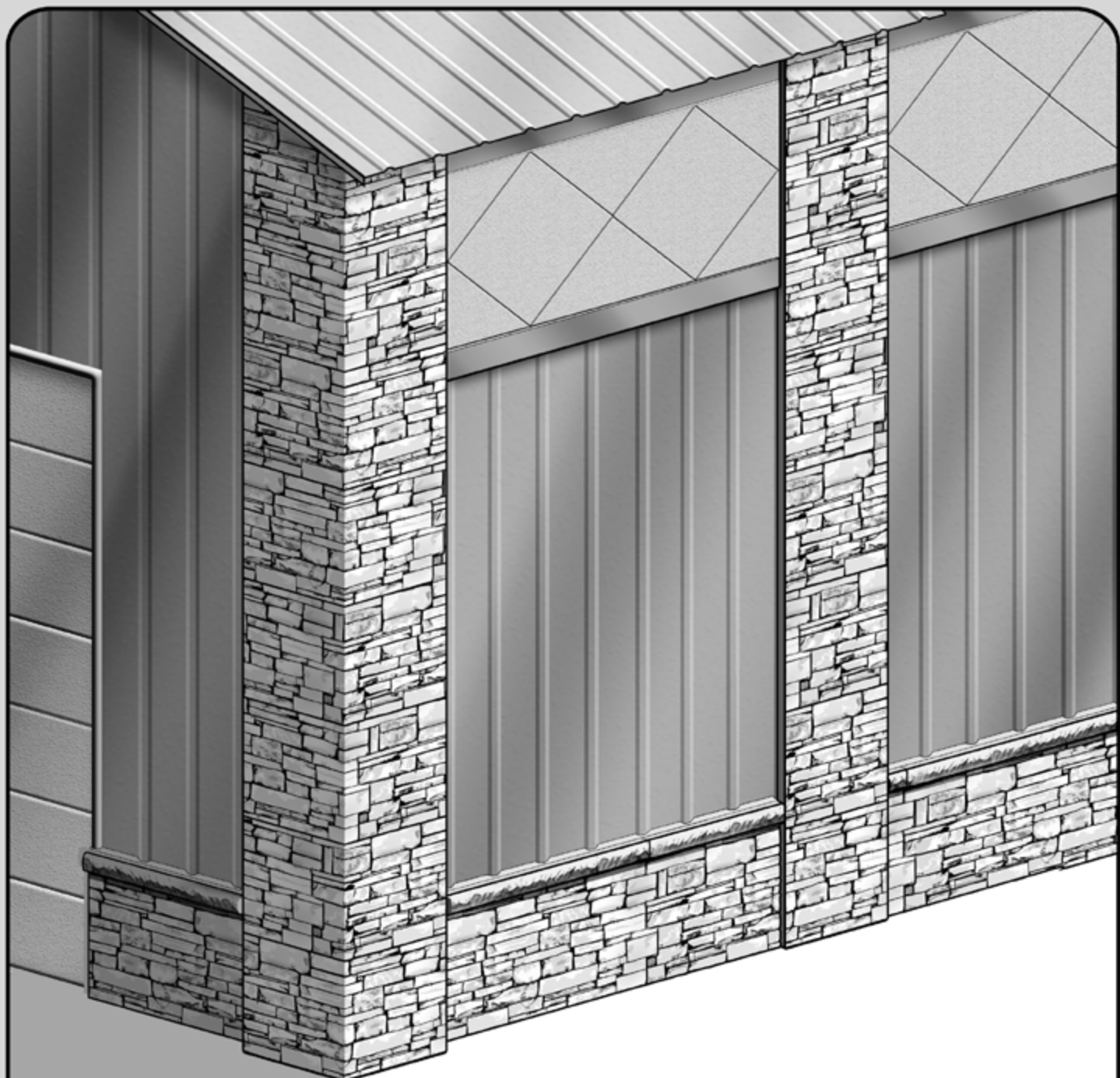


# **URESTONE**

**BY REPLICATIONS UNLIMITED**



## **METAL BUILDING INSTRUCTION MANUAL**



**1 • Versatility of URESTONE**

1 • Wainscot .....	3
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**2 • Installation of URESTONE**

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**4 • Installing Cornice**

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## 1.1 • Versatility of Wainscot (Termination Options)

### Option 2:

Wainscot Panels can be mitered to form a corner piece and continue around the corner of the structure. There is no cutting of the keys with this option. (Custom corners can also be pre-made by Urestone as well)

### Option 1:

If using panels in a recessed section, keys can be cut off the Wainscot panel to allow a seamless fit.

### Option 3:

A keyless corner can be used, requiring the keys to be cut.

### Option 6:

Metal trim options are also available.

### Option 5:

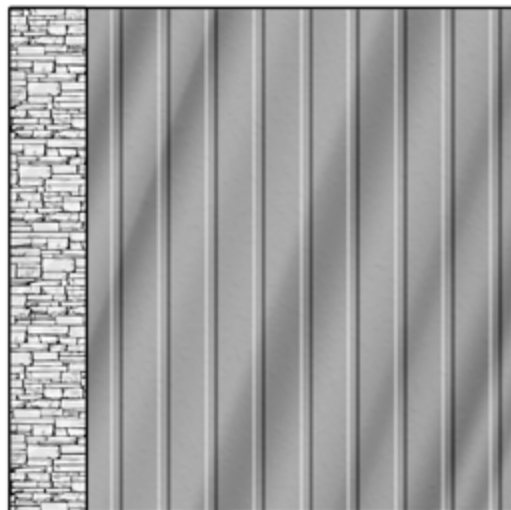
Wainscot Panels can be used with our Urestone Columns or Pilasters (installed before panels), just cut the keys off and place.

### Option 4:

Door trim can be used at doorways and corners.

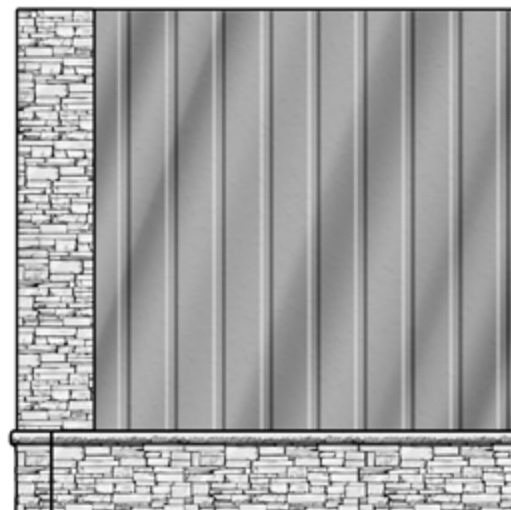
**R.1 • Accent Corner Only**

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



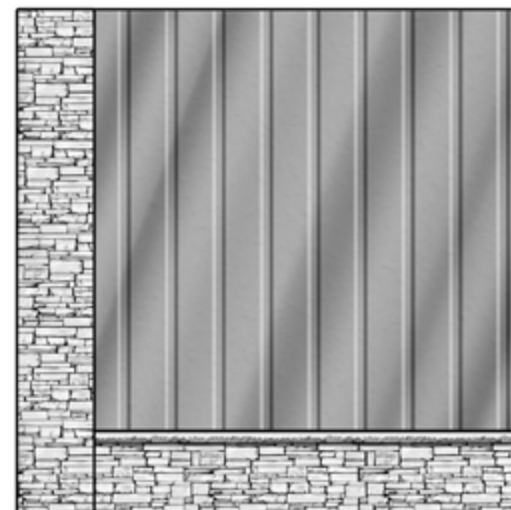
**R.2 • Accent Above Wainscot & Corner**

**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.



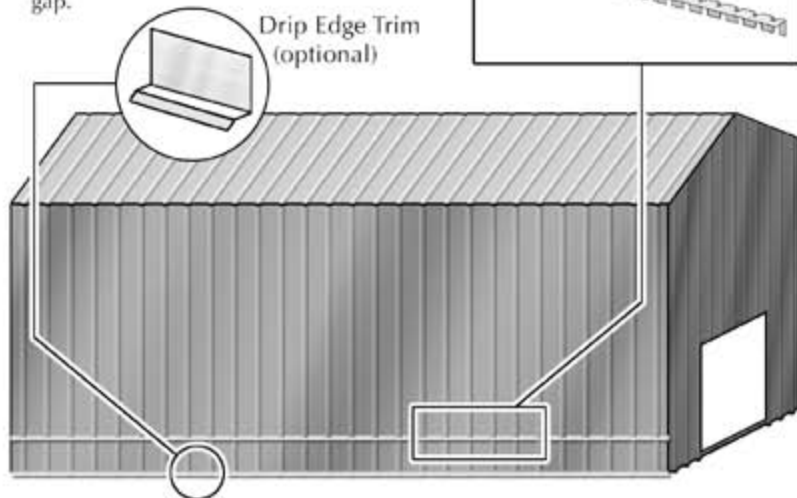
**R.3 • Accent with Wainscot Only**

**Option 3:**  
The third option shows the Accent Corner with just the wainscot panels added.

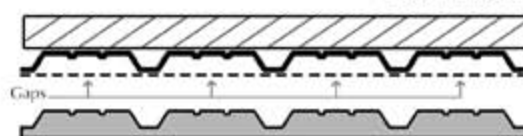


## 1.1 • R-Panel Trim On A Metal Building

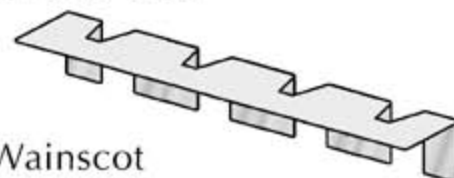
When adding URESTONE wainscot panels to a metal building, there will be a 1 1/2" gap between the peaks and valleys of the panel profile. A R-Panel Trim will fill the gap.



Plan View



R-Panel Trim

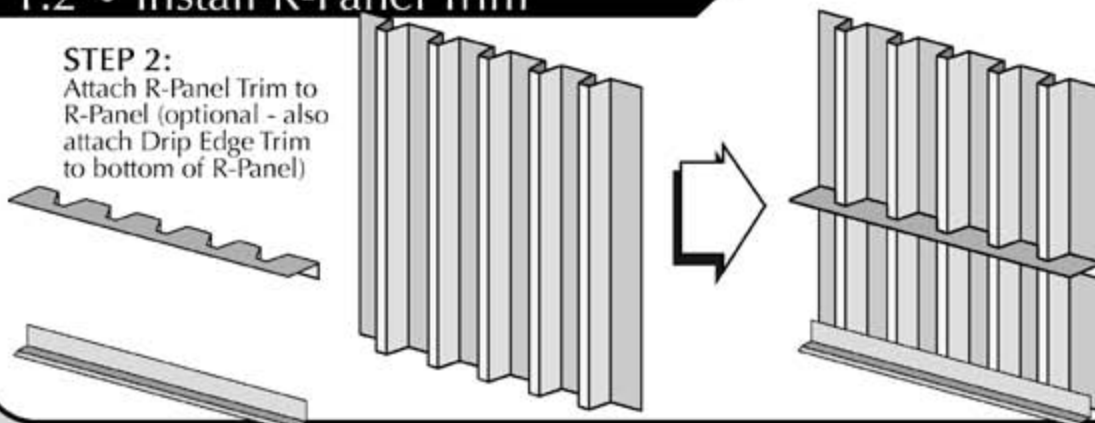


Wainscot

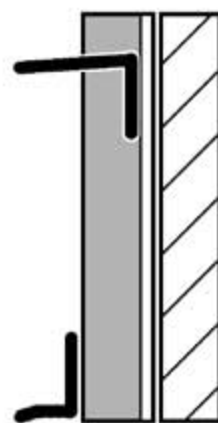


## 1.2 • Install R-Panel Trim

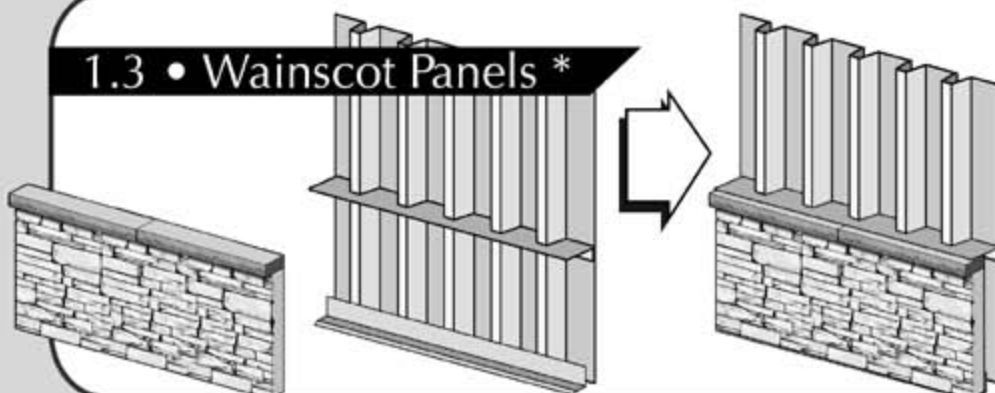
**STEP 2:**  
Attach R-Panel Trim to R-Panel (optional - also attach Drip Edge Trim to bottom of R-Panel)



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:

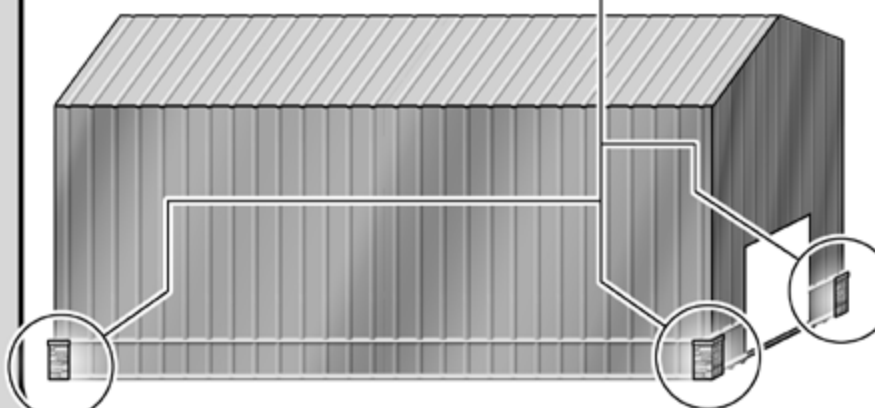
The wainscot panels will fit between the R-Panel Trim and the Drip Edge Trim (if installed). \* If using wainscot corners, install them before the wainscot panels (See Section 2).



## 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

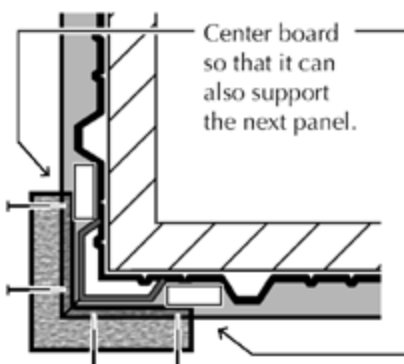
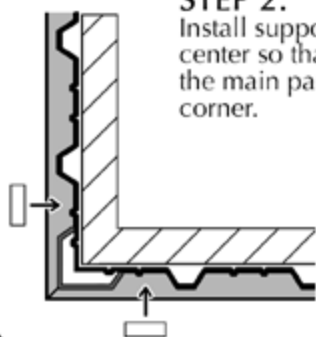


Wainscot Corner

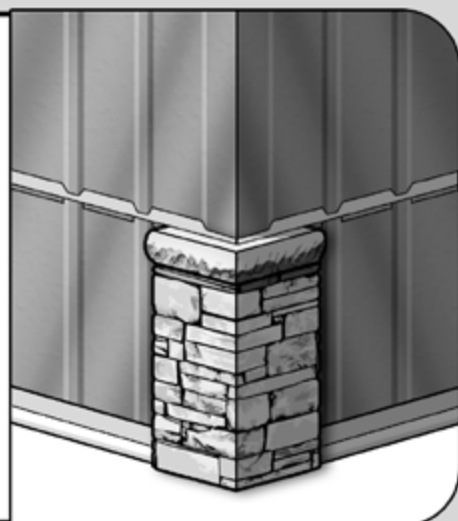
## 2.2 • Support Blocks

### STEP 2:

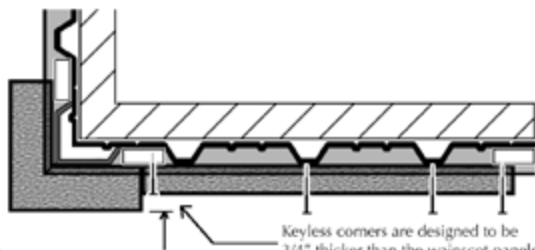
Install support blocks and center so that it also supports the main panels. Install corner.



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



## 2.3 • Wainscot Panels



Keyless corners are designed to be 3/4\"/>



### STEP 3:

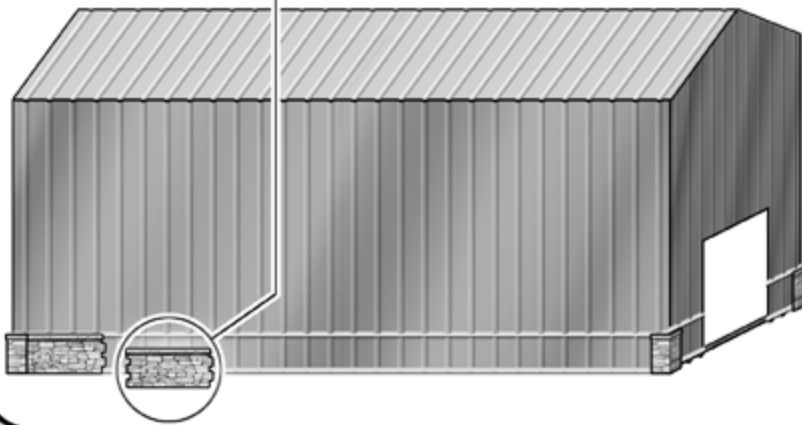
Cut keys off of the first wainscot panel on the side going next to the corner, and butt into wainscot corner. Then caulk between panel and corner.



### 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:

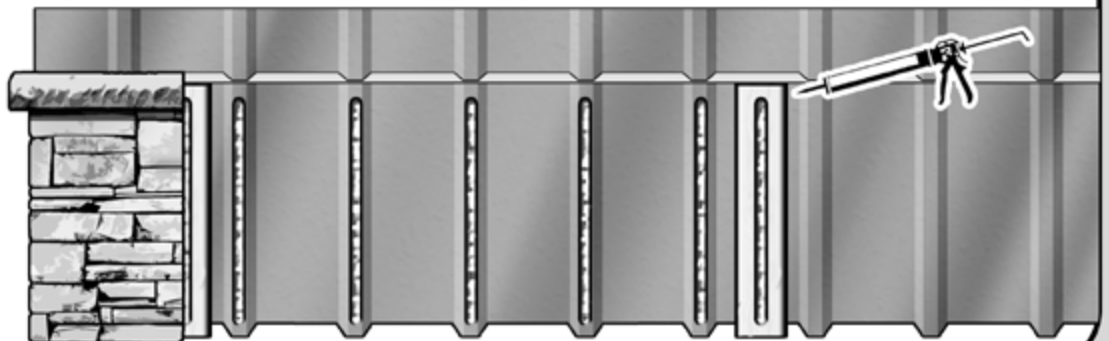
Attach a 6" wide support board to the metal siding where the panels are going to be interlocking together.



### 3.2 • Support Blocks

#### STEP 2:

Apply PL Polyurethane 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 4:

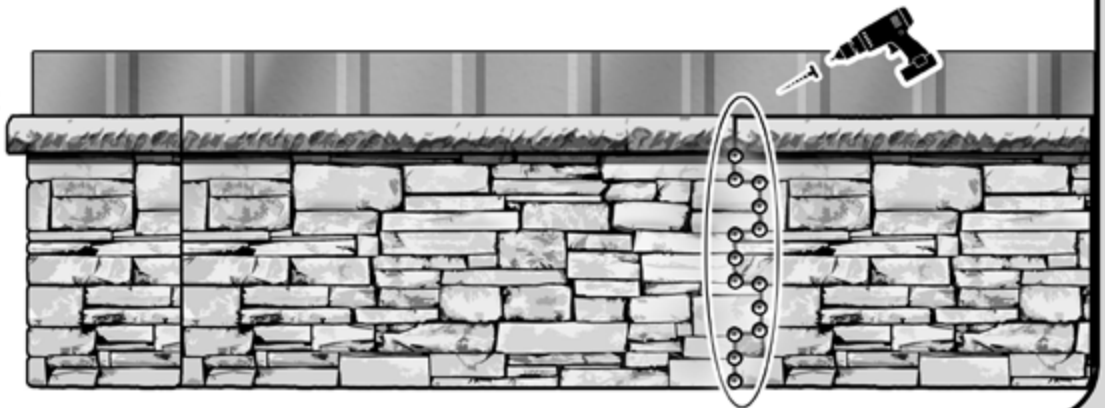
Add the PL polyurethane adhesive to the tongue of the previous panel and on the wood support board.



### 3.5 • Next Panel

#### STEP 5:

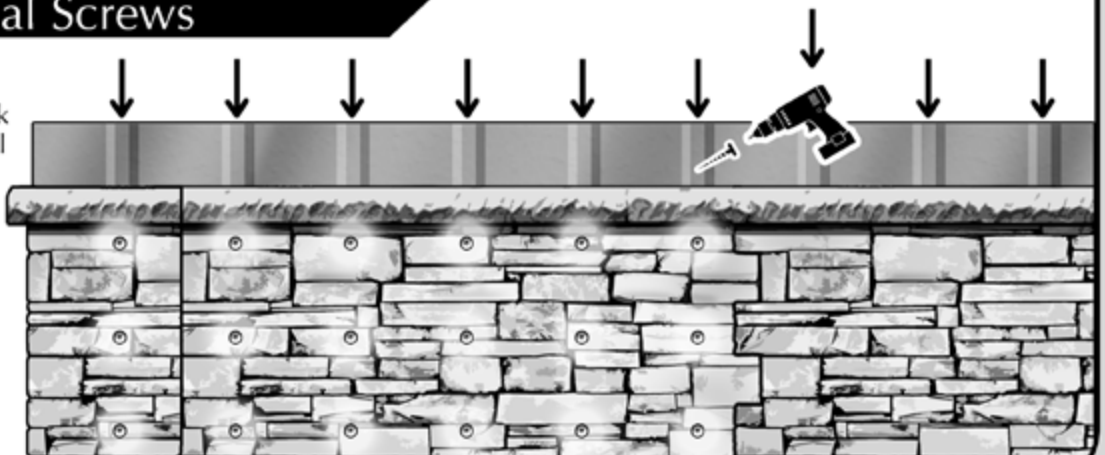
Push the panels together tightly at the interlocking key joint. Then add screws through the grout joint to secure the panel into the wood support. Add additional screws through the panel and into each metal building rib.



### 3.6 • Additional Screws

#### STEP 6:

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



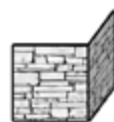
### 4.1 • Accent Corners On Top of Wainscot

(Option 2 from Review of 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



Vertical  
Flashing  
Trim

4" x 96"

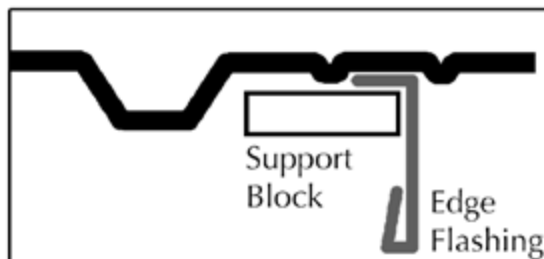
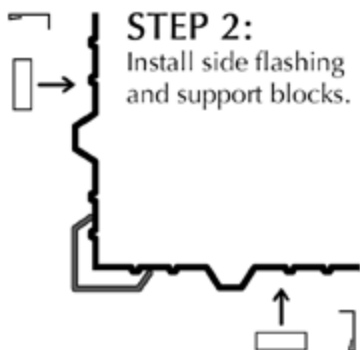
Wood  
Support  
Block

1 1/4" x 3" x 96"

### 4.2 • Support Blocks & Flashing

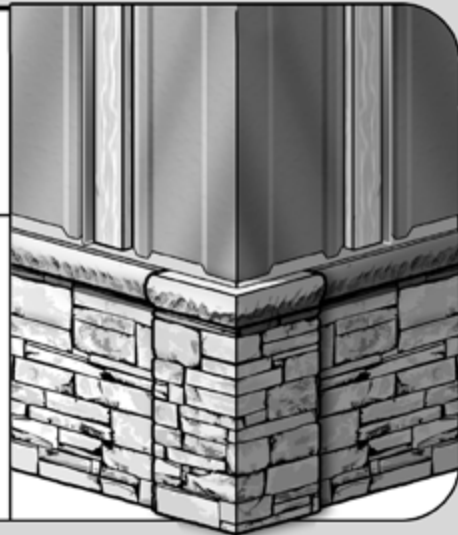
#### STEP 2:

Install side flashing and support blocks.



Support  
Block

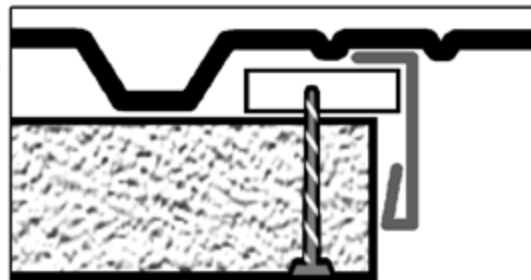
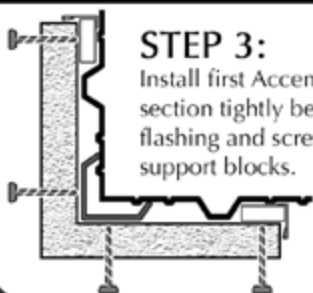
Edge  
Flashing



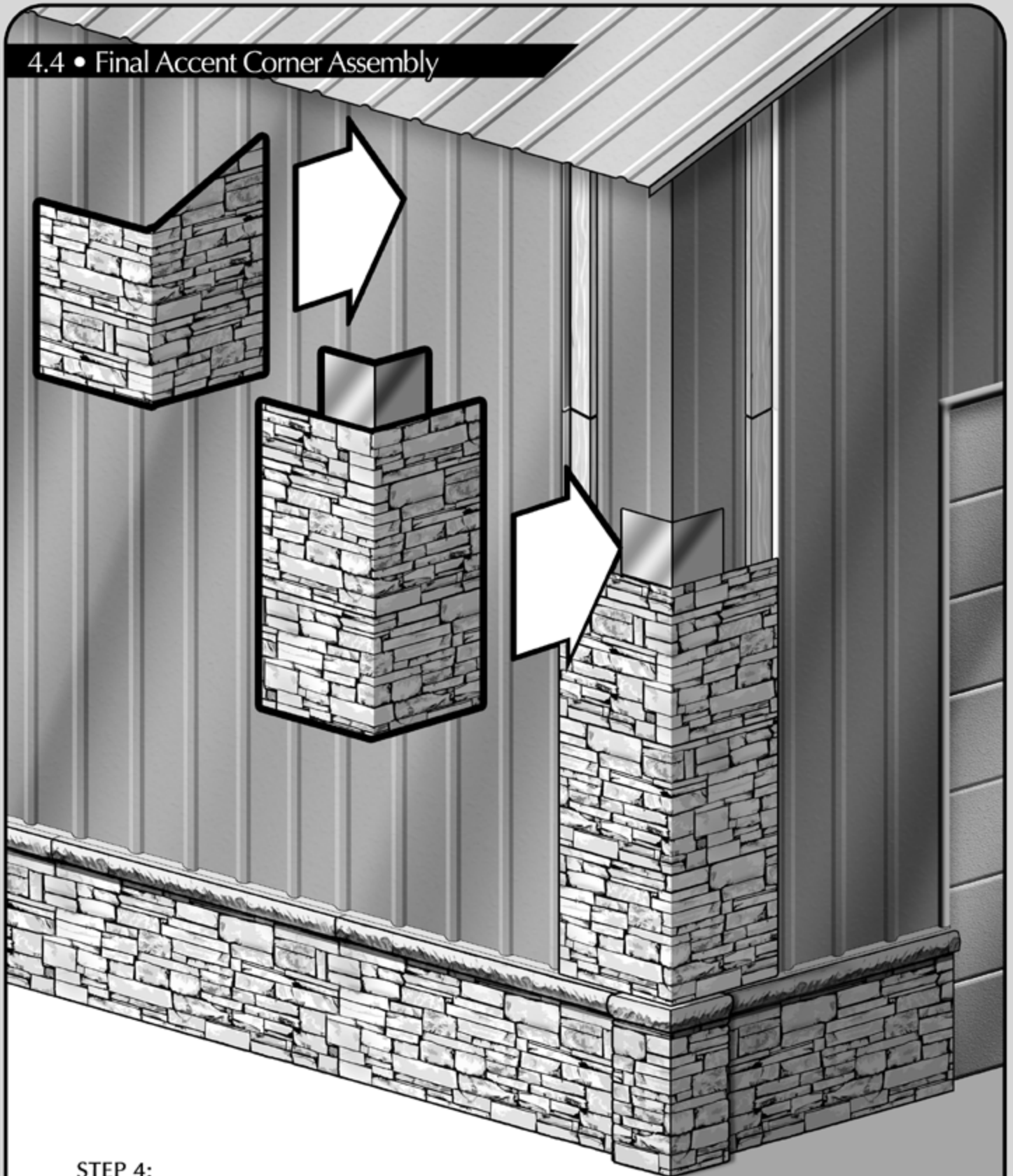
### 4.3 • Accent Corner

#### STEP 3:

Install first Accent Corner section tightly between flashing and screw support blocks.



4.4 • Final Accent Corner Assembly



**STEP 4:**

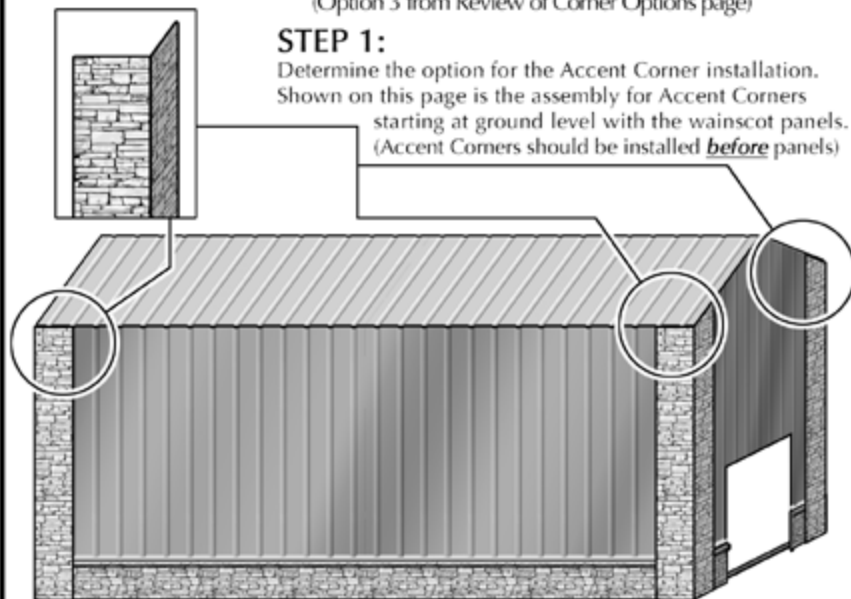
Install the rest of the Accent Corner sections, adding the next section on top of the previous one.

### 5.1 • Accent Corners With Wainscot Panels

(Option 3 from Review of Corner Options page)

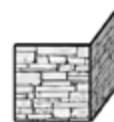
#### STEP 1:

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"

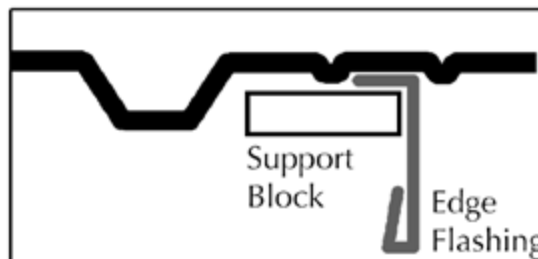
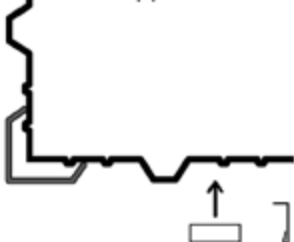
Wood  
Support  
Block

1 1/4" x 3" x 96"

### 5.2 • Support Blocks & Flashing

#### STEP 2:

Install side flashing and support blocks.



Support  
Block

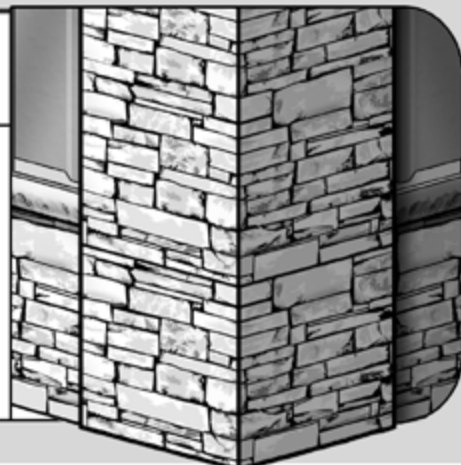
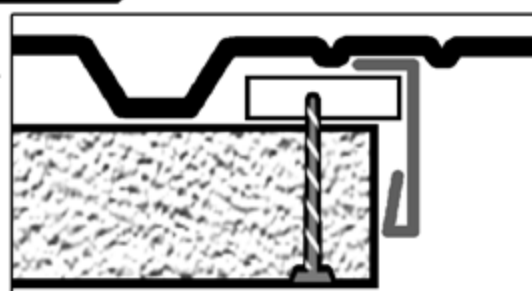
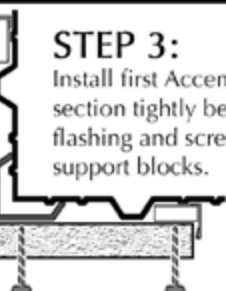
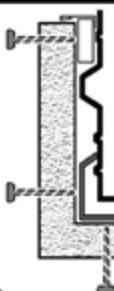
Edge  
Flashing



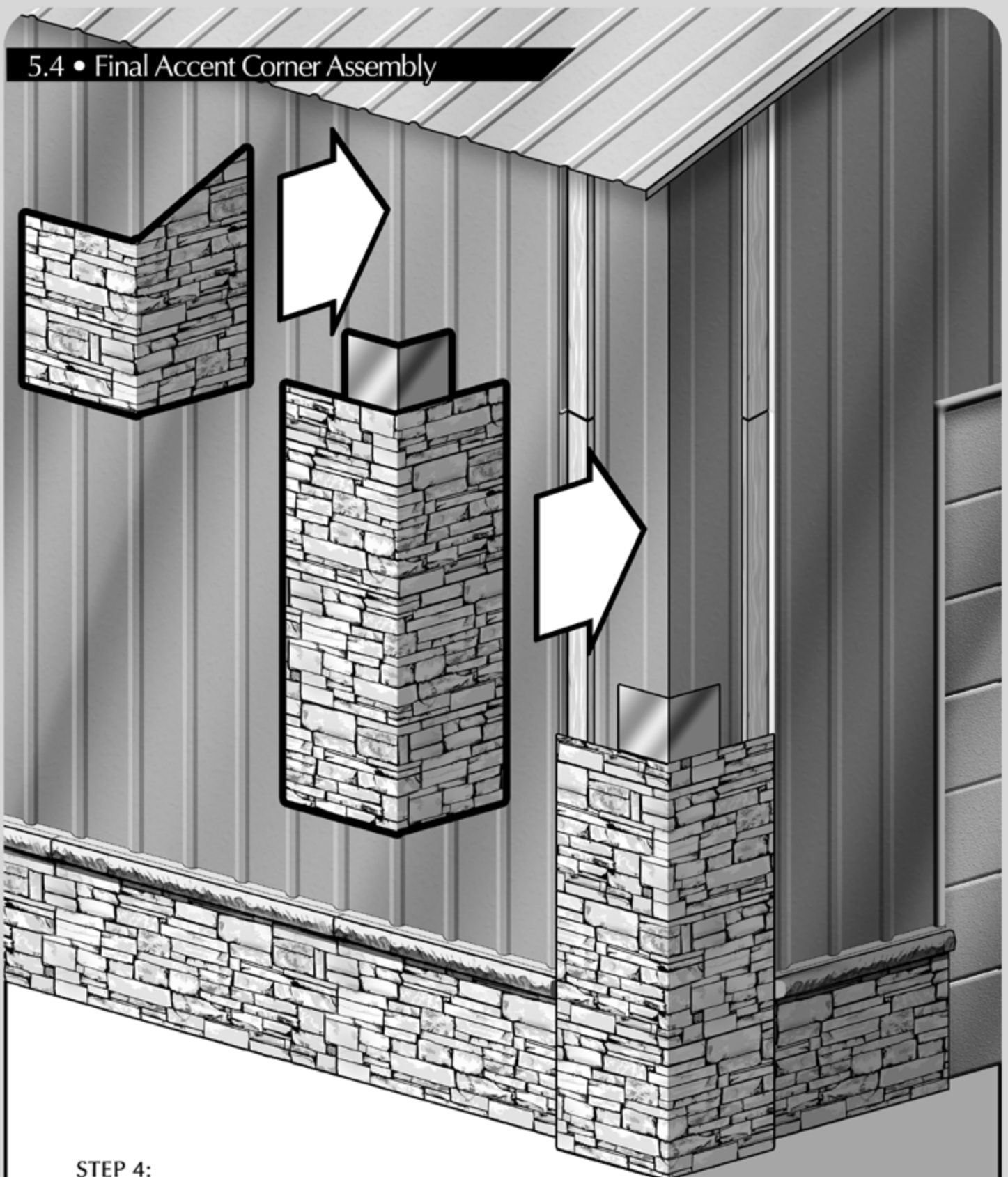
### 5.3 • Accent Corner

#### STEP 3:

Install first Accent Corner section tightly between flashing and screw support blocks.



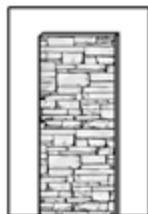
5.4 • Final Accent Corner Assembly



**STEP 4:**

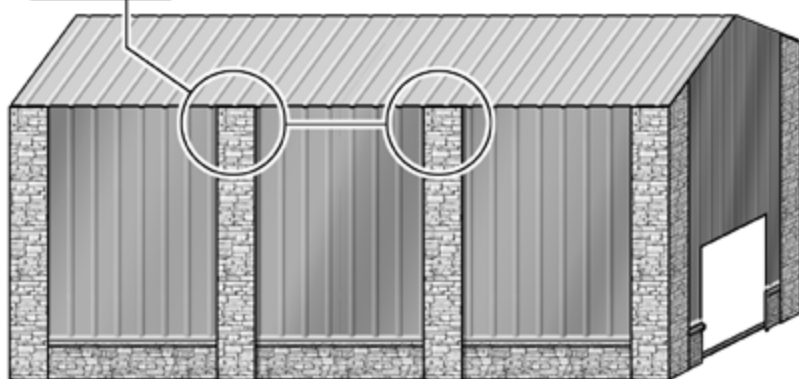
Install the rest of the Accent Corner sections, adding the next section on top of the previous one.

## 6.1 • 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)



(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"

## 6.2 • Support Blocks & Flashing

### STEP 2:

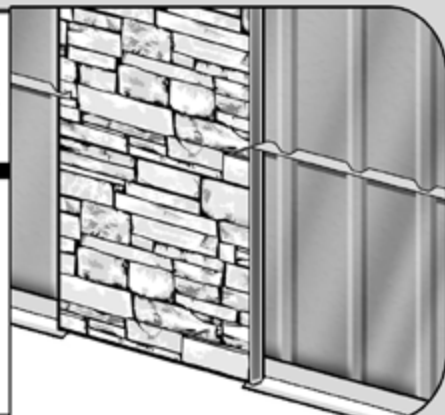
Install side flashing and support blocks.



## 6.3 • Pilaster

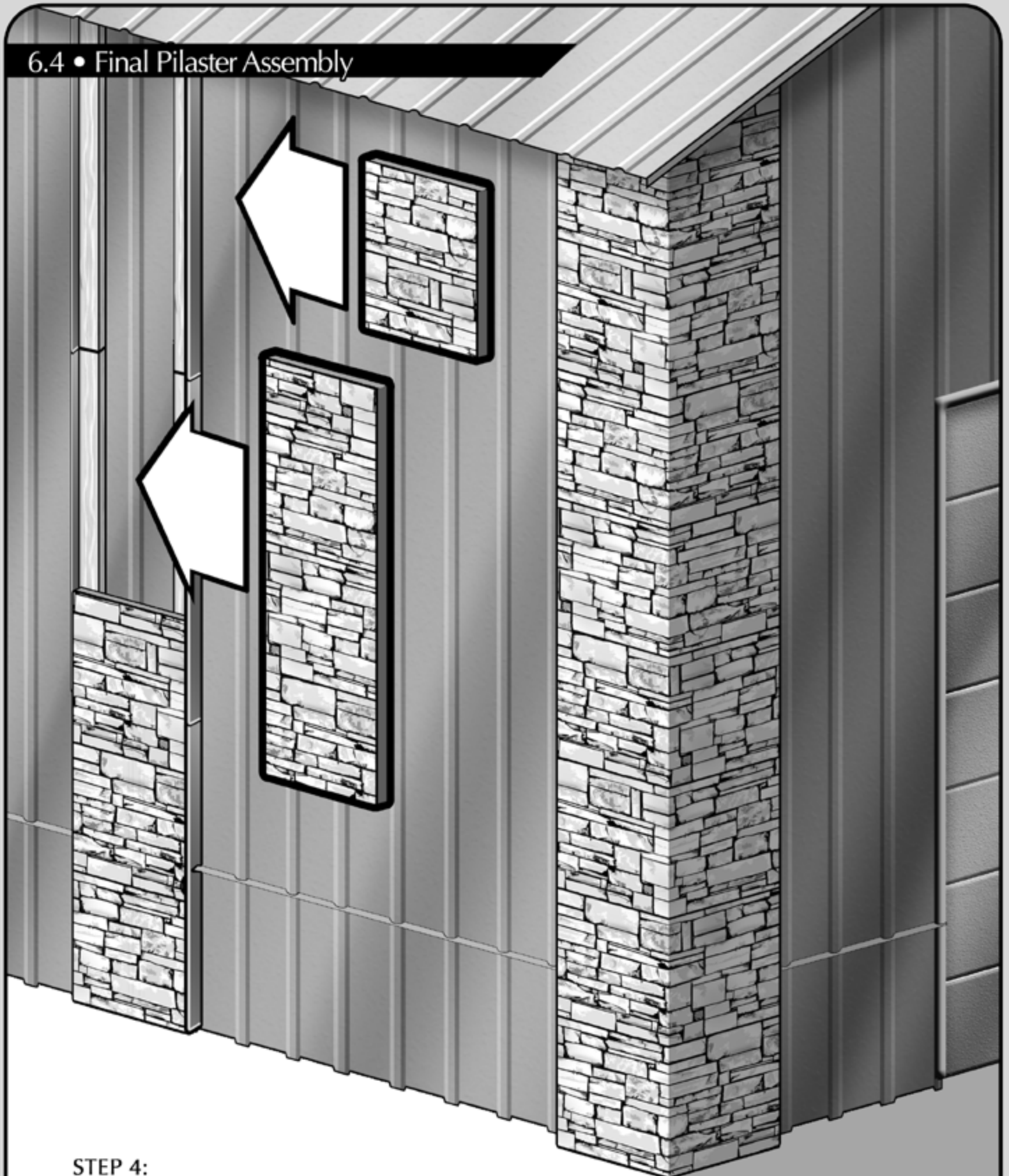
### STEP 3:

Install first Pilaster section tightly between flashing and screw support blocks.



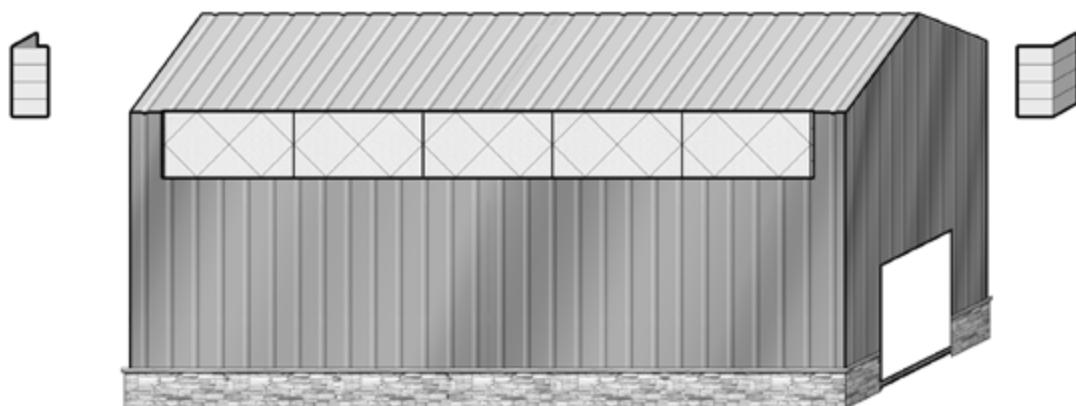


**6.4 • Final Pilaster Assembly**



**STEP 4:**

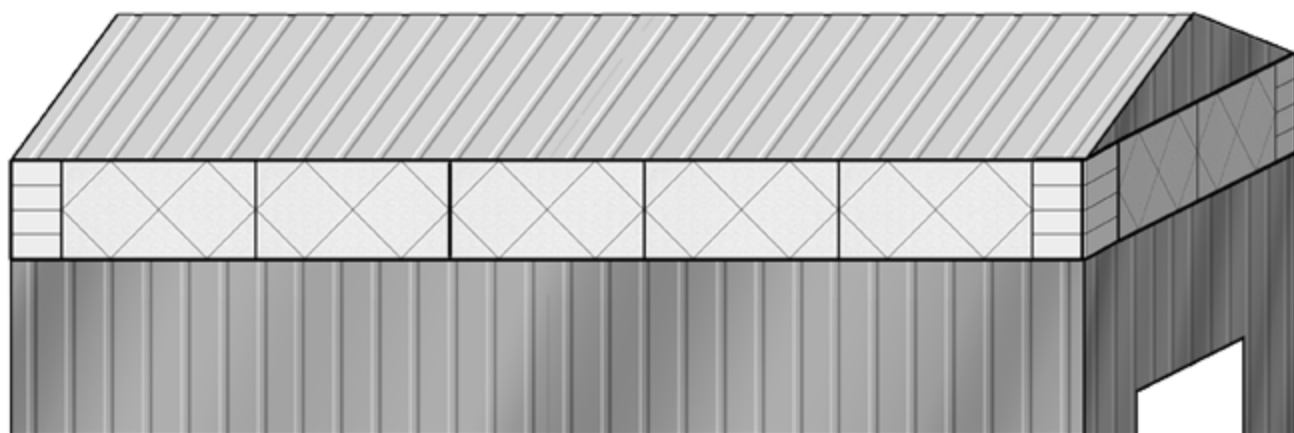
Install the rest of the Pilaster sections, adding the next section on top of the previous one.



Installing STUCCO CLAD panels require measuring the building side and then first setting up a worksheet on centering the panels and then adjusting the amount of panels so that the left and right panels are within 1 - 2 ft from each corner.

In general, we design the corners longer than what will be needed so that they can be cut to optimize the interface with the main panel. Cutting the corner should be done so that they will cut to coordinate with optimizing how much of the pattern is to be cut.

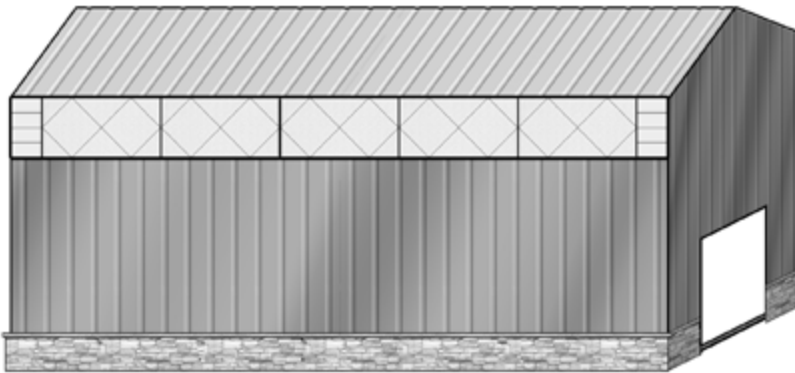
Then install the corners and cut the main panels, optimizing where to cut the pattern and making sure that both sides of the pattern is balanced.



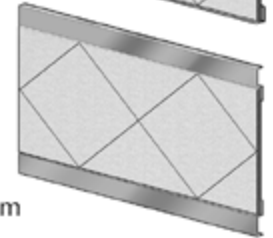
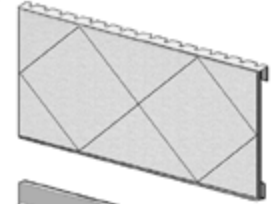
## 1.1 • Installing on a Metal Building

### STEP 1:

Determine if flashing is necessary.



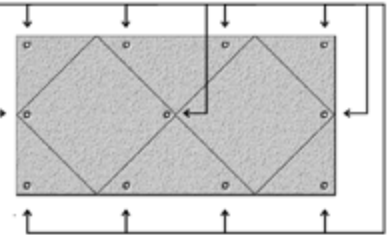
Trim 1: R-Panel Trim



Trim 2: Reverse J-Trim

Pre-drill  
Stucco Clad  
panel with a  
tapered  
recess drill  
bit with a  
stop collar.

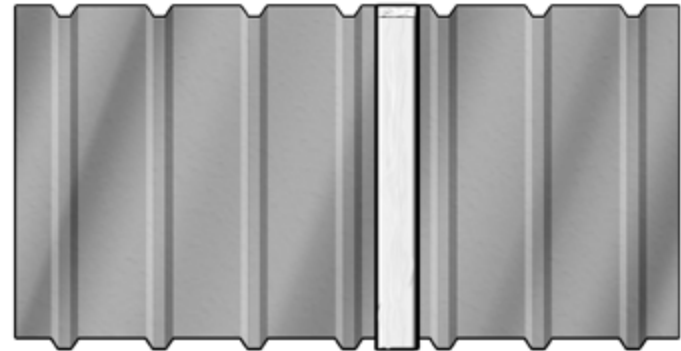
PRE-DRILL HOLES FOR SCREWS



## 1.2 • Support

### STEP 2:

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



## 1.3 • Adhesive

### STEP 3:

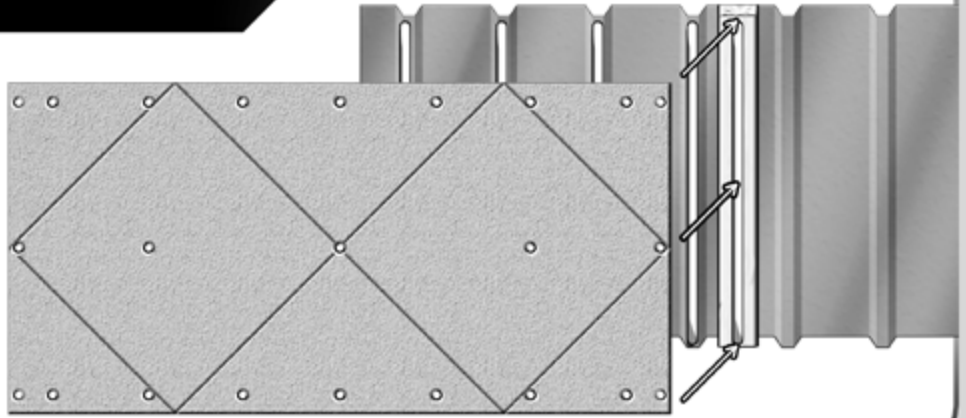
Apply Loctite PL Polyurethane adhesive on the support board and on the peaks of the metal building profile.



## 1.4 • Install

### STEP 4:

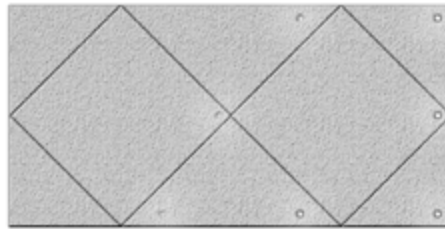
Push the panels together tightly at the edges. Then add screws through the grout joint to secure the panel into the wood support. Add additional screws through the panel and into each metal building rib.



## A.1 • Hiding Screws

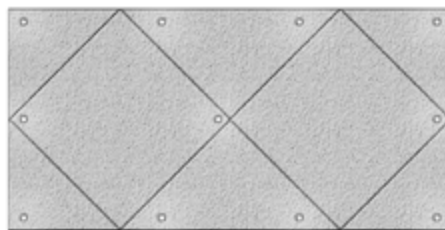
### STEP 1:

Fill in recessed screw holes with supplied epoxy filler using a putty knife.



## A.2 • Spray

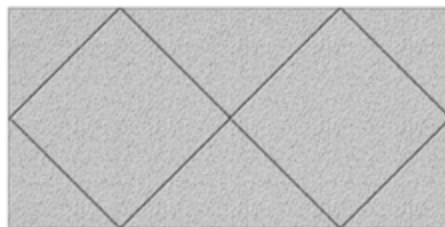
**STEP 2:** Shortly after the epoxy is applied - lightly spray filled screw holes with soapy water (to make the epoxy non tacky) and then texture the epoxy surface with a stipple brush.



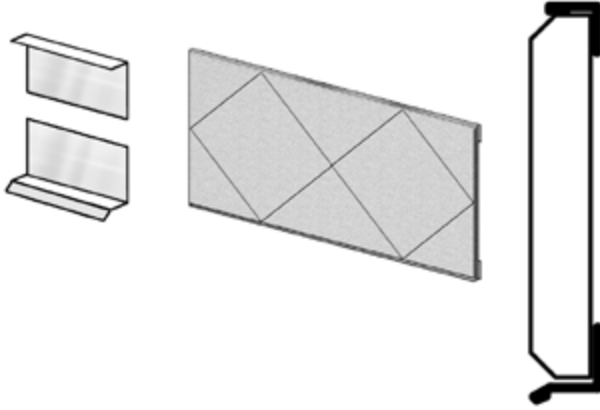
## A.3 • Paint

**STEP 3:** Using the paint supplied to match the textured panels - paint over epoxy once it has hardened (3-6 hours)\*

\*(or use a new 10 min. epoxy)



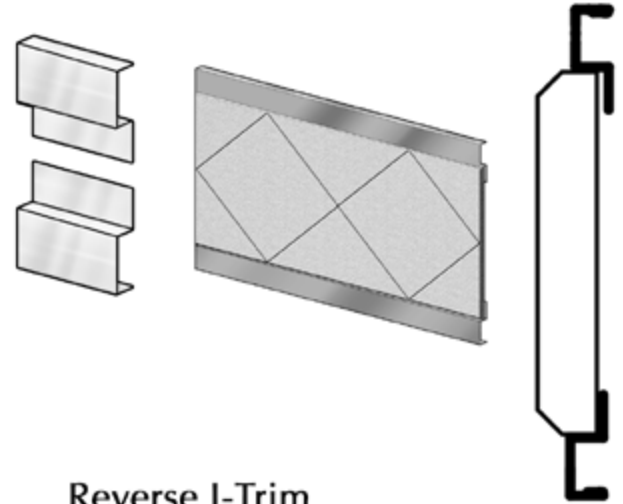
### Angle Flashing



Simple Angle Flashing - Top  
Drip Edge - Bottom

Product No. MT-1667-0.75  
Product No. MT-1673-0.75

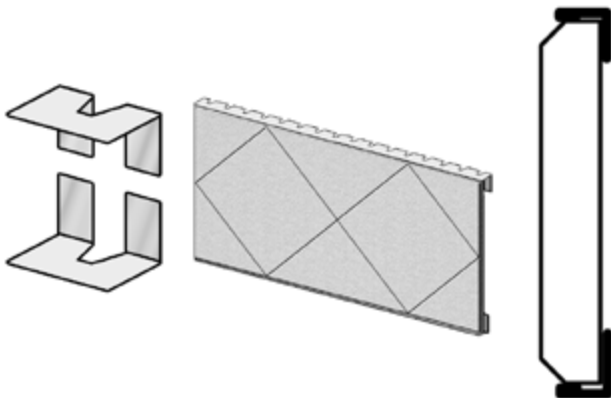
### Reverse J Trim



Reverse J-Trim

Product No. MT-1680

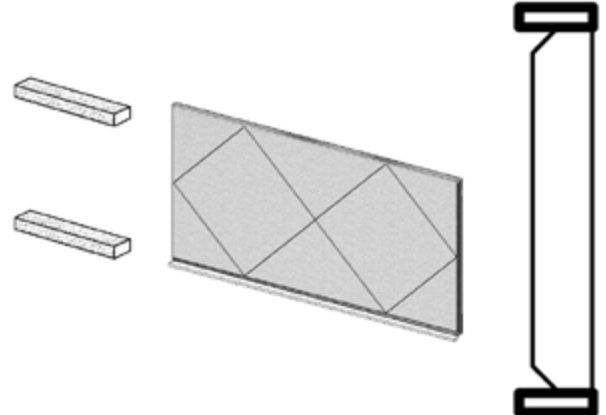
### R Panel Trim Flashing



Metal Building R-Panel Trim

Product No. MT-1650-2

### Synthetic Trim



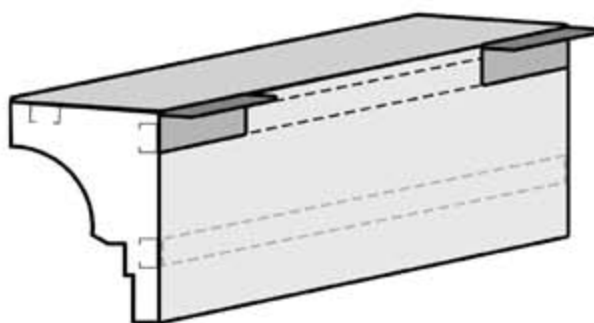
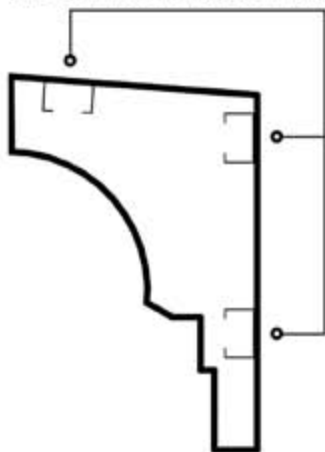
Synthetic Trim

Product No. CUSTOM

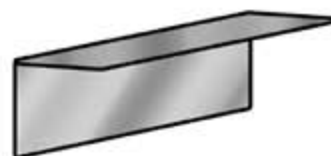
Option 1 (8" - 18" Cornices)

**1.1 • 5" Angle Support**

Metal studs are embedded in the cornice for attachment



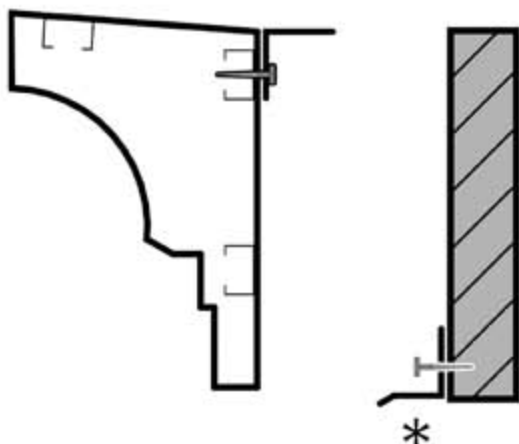
\* Supplied by URESTONE  
(MT \_\_\_\_)



**STEP 1:**

Screw in 5" Angle Support\* to top of cornice through metal stud.

**1.2 • Flashing**

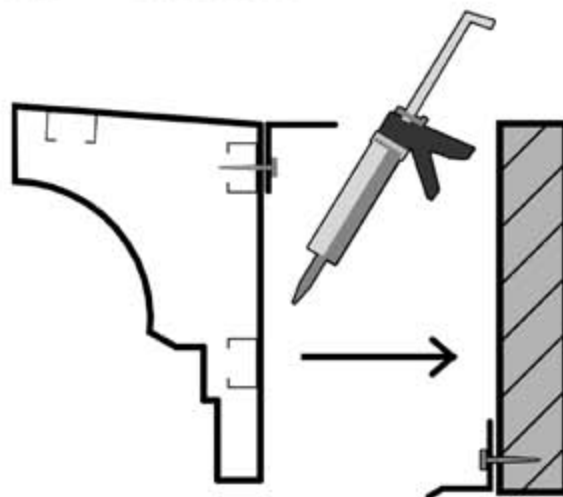


**STEP 2:**

Add flashing to wall as a trim and a support to the cornice.

\* (Metal Trim Chapter \_\_)

**1.3 • Adhesive**

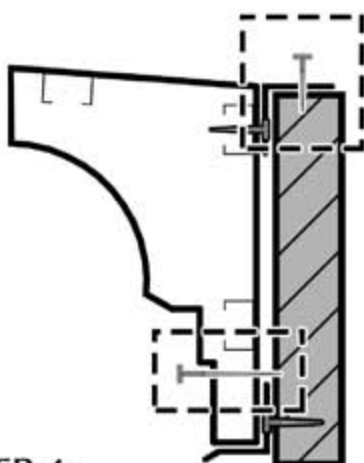


**STEP 3:**

Add polyurethane adhesive to the back of the cornice.



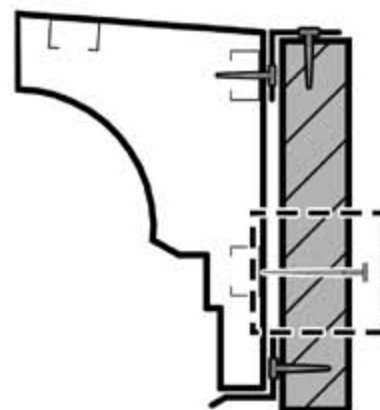
### 1.4 • Adding Screws



#### STEP 4:

Screw the top 5" angle into the top of the building wall. In some cases, a screw may be required in the lower part of the cornice. (Use epoxy filler & textured paint to hide screws)

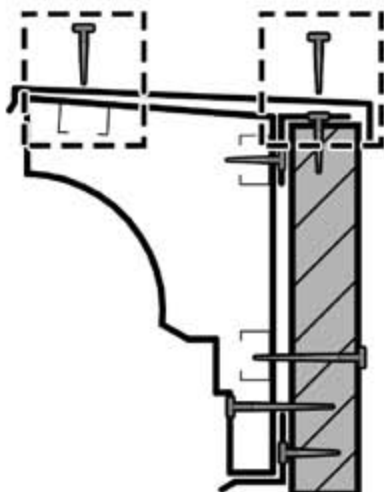
### 1.5 • (Optional Attachment Method)



#### STEP 5 (Optional):

If the backside of the wall is open, screws could be used to attach the cornice to the wall through the lower metal stud, eliminating the need for the screw in the lower front.

### 1.6 • Cornice Cap



#### STEP 6:

Add a metal Cornice Cap as needed. Cap dimensions and design will need to be coordinated with each specific job site roofing or mansard detail.

Option 2 (24" height or larger cornices)

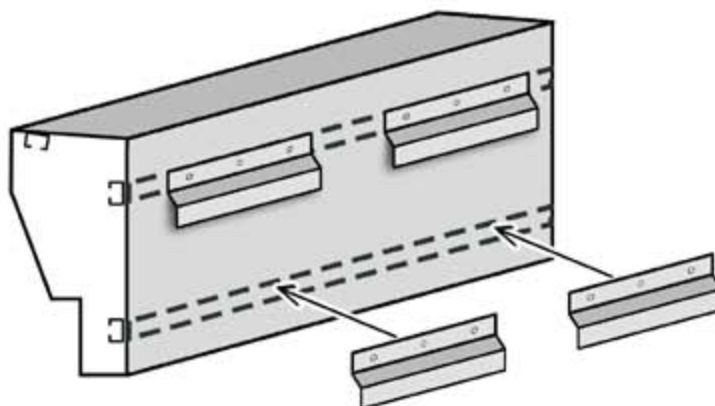
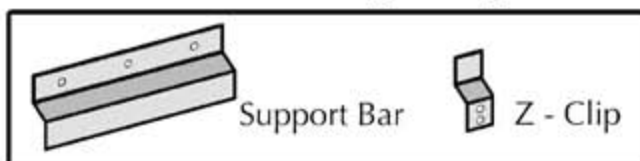
**2.1 • Zip Clip System on Metal Building**

Metal studs are embedded in the cornice for attachment

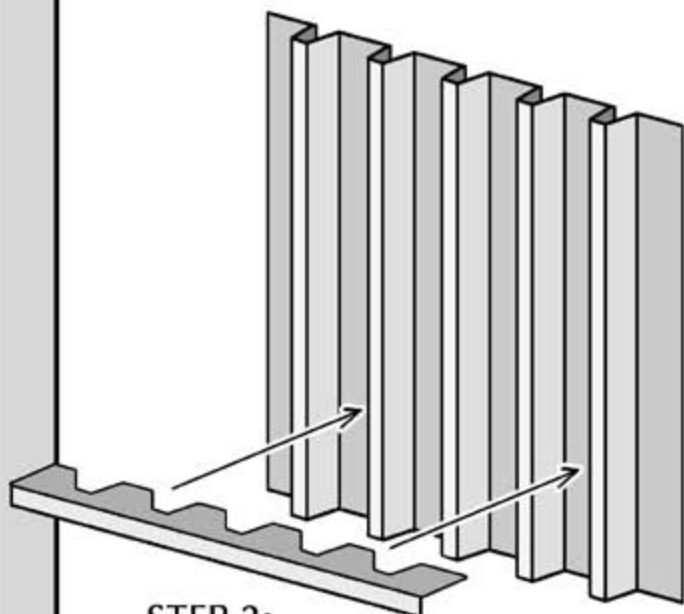


**STEP 1:**

Add Z - Bar to the back of cornice connecting through the metal stud.



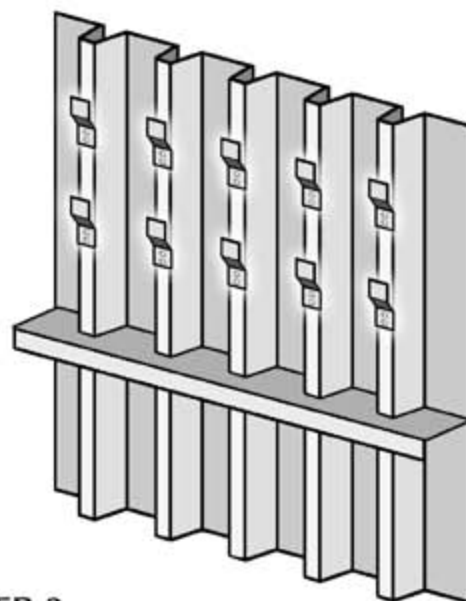
**2.2 • R - Panel Trim**



**STEP 2:**

Add R - Panel trim to metal siding. (Typically MT \_\_\_\_)

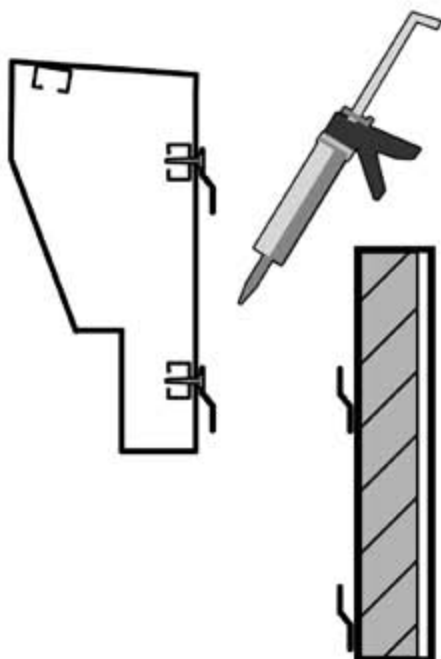
**2.3 • Z-Clips**



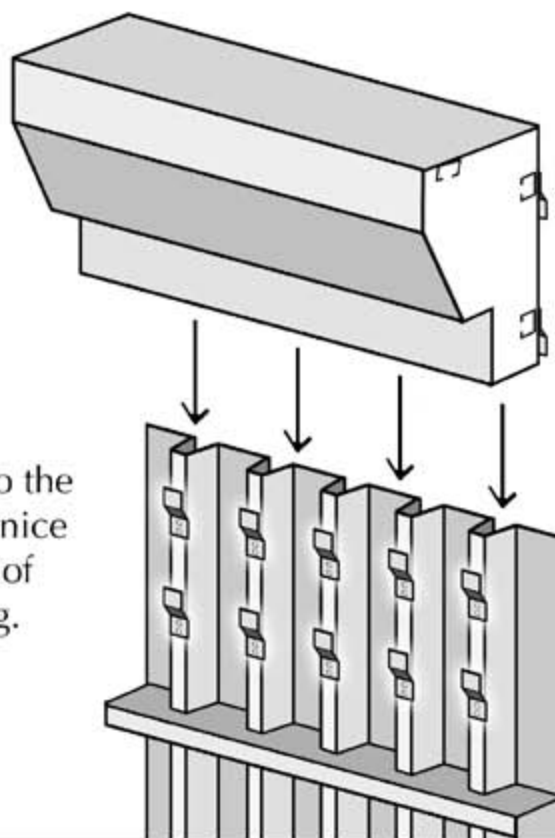
**STEP 3:**

Add 2 rows of Zip Clips to peaks of metal siding.

## 2.4 • Adhesive



**STEP 4:**  
Add adhesive to the  
backside of cornice  
or to the peaks of  
the metal siding.



## 2.5 • Completion

**STEP 5:**  
Insert cornice onto wall. Then attach  
cornice cap with screws through the  
top metal stud in the cornice.

