



Installation Guide  
**Board and Batten**

[metalsales.us.com](http://metalsales.us.com)

## BOARD AND BATTEN Important Information

The application and detail drawings in this manual are strictly for illustration purposes and may not be applicable to all building designs or product installations. All projects should conform to applicable building codes for that particular area. It is recommended to follow all building regulations and standard industry practices.

Metal Sales Manufacturing Corporation is not responsible for the performance of the wall system if it is not installed in accordance with the suggested instructions referenced in this manual. If there is a conflict between this manual and the approved Metal Sales' erection drawings, the approved erection drawings are to take precedence.

Prior to ordering and installing materials, all dimensions should be verified by field measurements.

**Oil canning is not a cause for rejection.** Oil canning can be described as the amount of waviness found in the flat areas of metal panels. Oil canning is an inherent characteristic of light gauge cold formed metal products, particularly those with broad flat areas. There are many factors which may contribute to oil canning that Metal Sales is not able to control. These factors include: misalignment of the support system, over driving of fasteners used on the panels, stress (whether inherent in the panel or induced), thermal expansion and contraction of the panel, material handling, width, gauge, length, color of panels and installation. (Reference Metal Construction Association "Oil Canning Position Paper" - Appendix A).

Metal Sales reserves the right to modify, without notice, any details, recommendations or suggestions. Any questions you may have regarding proper installation of Board and Batten Panels should be directed to your Metal Sales representative, (see pages 2 and 3).

Consult Metal Sales for any additional information not outlined in this manual. This manual is designed to be utilized as a guide when installing Board and Batten Panels. It is the responsibility of the erector to ensure the safe installation of this product system.

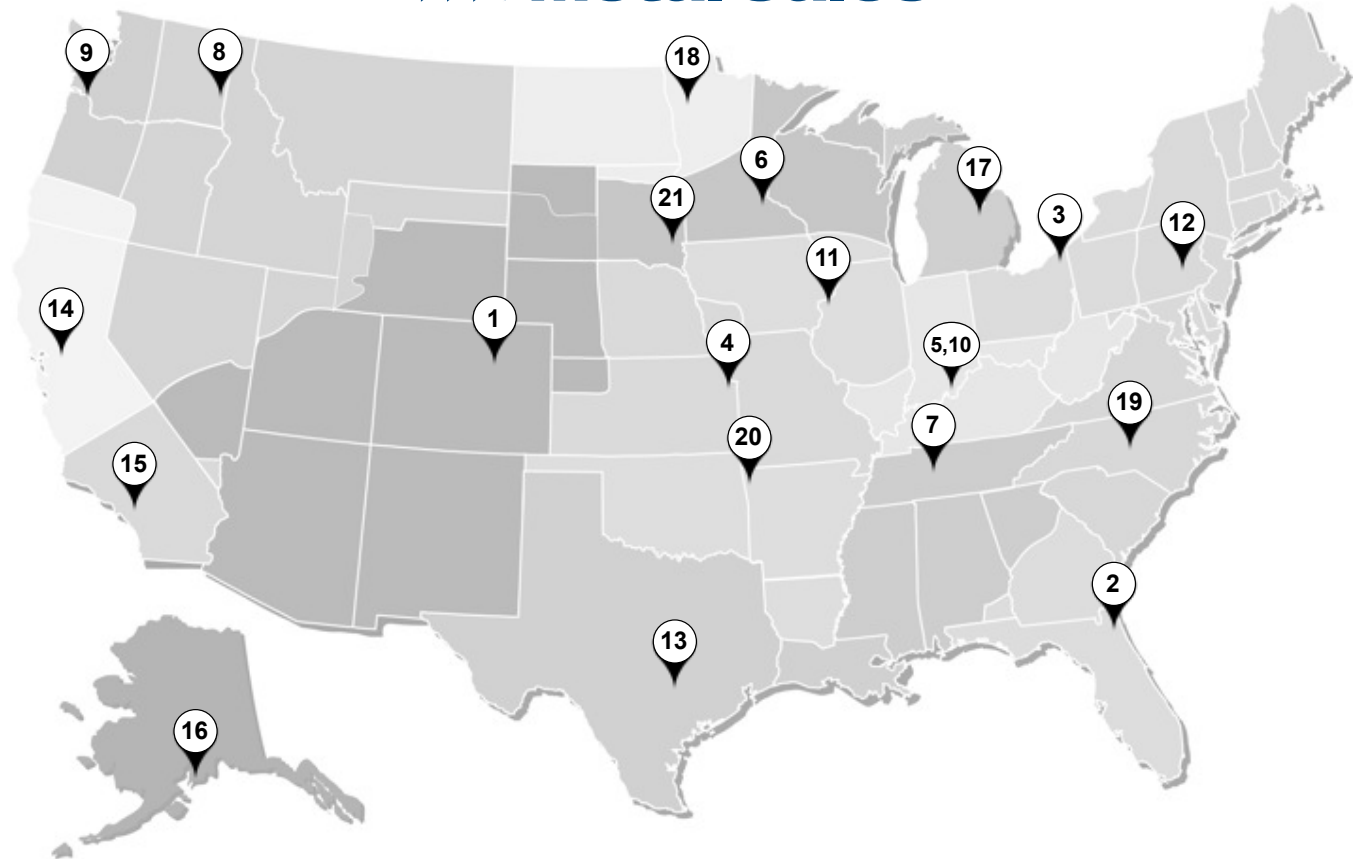
# SAFETY

STUDY APPLICABLE OSHA AND OTHER SAFETY REQUIREMENTS BEFORE FOLLOWING THESE INSTRUCTIONS.

The installation of metal roof systems is a dangerous procedure and should be supervised by trained knowledgeable erectors. **USE EXTREME CARE WHILE INSTALLING METAL PANELS.** It is not possible for Metal Sales to be aware of all the possible job site situations that could cause an unsafe condition to exist. The erector is responsible for reading these instructions and determining the safest way to install the wall system.

These instructions are provided only as a guide to show a knowledgeable, trained erector the correct parts placement one to another. If following any of the installation steps would endanger a worker, the erector should stop work and decide upon a corrective action.

Provide required safety railing, netting, or safety lines for crew members.



*NOTE: Shaded areas represent territories served by each location.*

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**1. DENVER**

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Longmont, CO 80504  
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800.289.7663  
800.289.1617 Fax

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Jefferson, OH 44047  
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816.796.0906 Fax

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**6. ROGERS**

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800.328.9316  
763.428.8525 Fax  
800.938.9119 Fax

**7. NASHVILLE**

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Antioch, TN 37013  
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800.251.8508  
615.641.7118 Fax  
800.419.4372 Fax

**8. SPOKANE**

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Spokane, WA 99202  
509.536.6000  
800.572.6565  
509.534.4427 Fax

**9. KELSO**

2680 Coweeman Park Drive  
Kelso, WA 98626  
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800.431.3470  
253.872.2008 Fax

**10. NEW ALBANY**

999 Park Place  
New Albany, IN 47150  
812.944.2733  
812.944.1418 Fax

**11. ROCK ISLAND**

8111 West 29th Street  
Rock Island, IL 61201  
309.787.1200  
800.747.1206  
309.787.1833 Fax

**12. DEER LAKE**

29 Pinedale Industrial Road  
Orwigsburg, PA 17961  
570.366.2020  
800.544.2577  
570.366.1648 Fax  
800.544.2574 Fax

**13. TEMPLE**

3838 North General Bruce Drive  
Temple, TX 76501  
254.791.6650  
800.543.4415  
254.791.6655 Fax  
800.543.4473 Fax

**14. WOODLAND**

1326 Paddock Place  
Woodland, CA 95776  
530.668.5690  
800.759.6019  
530.668.0901 Fax

**15. FONTANA**

14213 Whittram Avenue  
Fontana, CA 92335  
909.829.8618  
800.782.7953  
909.829.9083 Fax

**16. ANCHORAGE**

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Anchorage, AK 99503  
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866.640.7663  
907.646.7664 Fax

**17. BAY CITY**

5209 Mackinaw Road  
Bay City, MI 48706  
989.686.5879  
888.777.7640  
989.686.5870 Fax  
888.777.0112 Fax

**18. DETROIT LAKES**

1435 Egret Avenue  
Detroit Lakes, MN 56501  
218.847.2988  
888.594.1394  
218.847.4835 Fax  
888.594.1454 Fax

**19. MOCKSVILLE**

188 Quality Drive  
Mocksville, NC 27028  
336.751.6381  
800.228.6119  
336.751.6301 Fax  
800.228.7916 Fax

**20. FORT SMITH**

7510 Ball Road  
Fort Smith, AR 72908  
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877.452.3915  
479.646.5204 Fax

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7800 Highway 60  
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**TECHNICAL SUPPORT**

**TECH SERVICES DEPT.**  
7800 Highway 60  
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## BOARD AND BATTEN Material Handling

### RECEIVING MATERIAL

It is the responsibility of the installer to unload material from the delivery truck. The installer shall be responsible for providing suitable equipment for unloading of material from the delivery.

Metal Sales is not responsible for any damages or shortages unless they are documented in writing and presented to Metal Sales within 48 hours. A claim should be made against the carrier as soon as possible.

After receiving material:

- Check the condition of the material
- Review the shipment against the shipping list to ensure all materials are all accounted for
- If damages or shortages are discovered, it should be noted on the Bill of Lading at the time of delivery

### GENERAL HANDLING

Each bundle should be handled carefully to avoid being damaged. Care should be taken to prevent bending of the panel or scratching of the finish. Whenever possible, the bundle should remain crated until it is located in its place of storage or use. If bundles must be opened, we recommend you re-crate them before lifting. To avoid damage lift the bundle at its center of gravity.

### CAUTION

Improper loading and unloading of bundles and crates may result in bodily harm and/or material damage. Metal Sales is not responsible for bodily injuries and/or material damages resulting from improper loading and unloading.

### MECHANICAL HANDLING

**Forklift** - A forklift may be used for panels up to 20'-0" long. Make sure the forks are at their maximum separation. Do not transport open bundles. When transporting bundles across rough terrain, or over a longer distance, some means of supporting the panel load must be used.

**Crane** - A crane should be used when lifting panels with lengths greater than 20'-0". Be sure to utilize a spreader bar to ensure the even distribution of the weight to the pick up points. As a rule when lifting panels, no more than  $\frac{1}{3}$  of the length of the panel should be left unsupported. Never use wire rope because this will damage the panels.



# BOARD AND BATTEN Material Handling (cont.)

## UNSTACKING MATERIAL

For panels over 5'-0" in length at least two people on the ends of the panel are required. Additional help will be needed for every 10'-0" in length beyond that.

Panels will arrive stacked vertically in a crate. If panels are moved out of the crate for staging, take care when unstacking to ensure panels are lifted up and not across other panels in the stack. Minimize handling of panels when unstacking and stacking to avoid damage. Be sure to wear appropriate safety equipment including clean gloves, as panel edges are sharp.

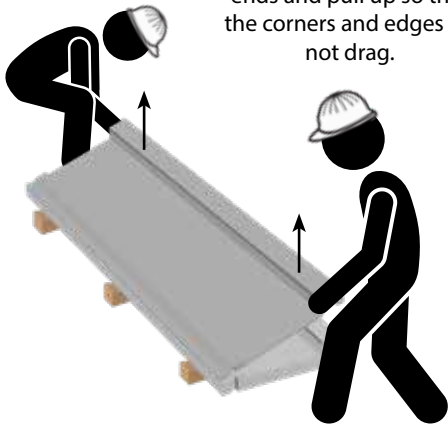
Inspect panels before lifting. Metal Sales is not responsible for damage created by unstacking panels incorrectly. Dragging or sliding the panels will cause the corners and edges to scratch the paint.

Defect claims must be reported upon inspection and *before* panels are handled or installed.

Restacking – Align bottom-side edge with the stack and lay panel onto the stack.

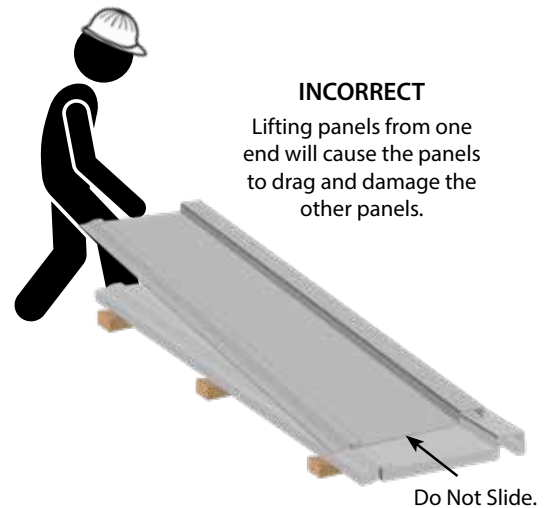
### CORRECT

Lift the panels from the ends and pull up so that the corners and edges do not drag.



### INCORRECT

Lifting panels from one end will cause the panels to drag and damage the other panels.

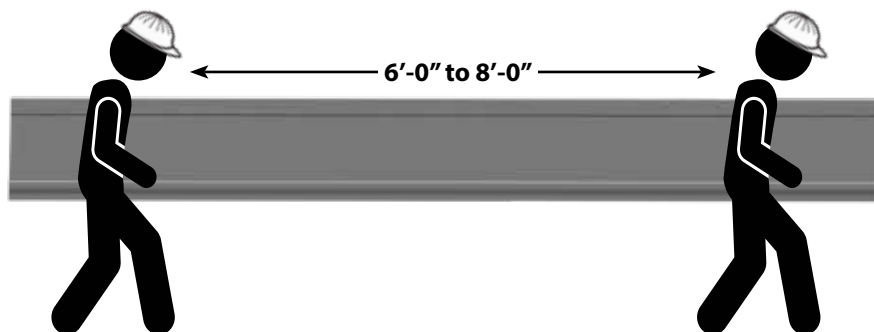


## TRANSPORTING MATERIAL

Handling of individual panels should be done carefully and properly to avoid bending or damaging. Panels should be carried by grasping the edge so that the panel is vertical to the ground.

Normally, individual panels can be handled by people placed every 6'-0" to 8'-0" along the length of the panel.

The panel should not be carried horizontal to the ground as this could cause the panel to buckle or bend in the center.

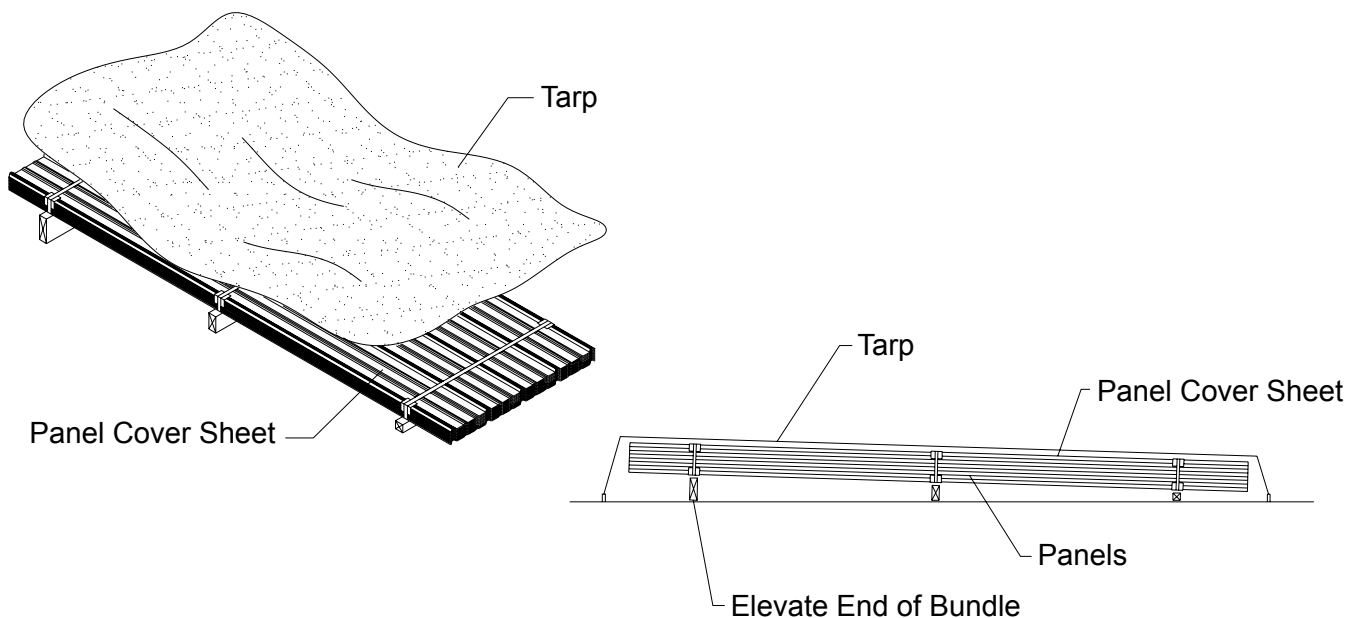


## BOARD AND BATTEN Storage

### GENERAL

Please inspect panels for moisture accumulation. If moisture has formed, the panels should be unbundled, wiped dry, and allowed to dry completely. Once dry, carefully re-stack the panels and loosely recover allowing for ample air circulation.

Bundled sheets should be stored high enough off of the ground to allow for air circulation and prevent contact with accumulating water. Elevate one end of the bundle to allow any moisture to run off the panels. Metal Sales recommends covering the bundle with a tarp. Do not use tight fitting plastic-type tarps as panel bundle covers. While they may provide protection from heavy downpours, they can also retard necessary ventilation and trap heat and moisture that may accelerate metal corrosion. If panels are to be stored in possible bad weather, we suggest they be stored inside. Extended storage of panels in a bundle is not recommended. **Under no circumstances should the panels be stored near or come in contact with salt water, corrosive chemicals, ash or fumes generated or released inside the building or nearby plants, foundries, plating works, kilns, fertilizer and wet or green lumber.**



### FOOT TRAFFIC

Care of metal panels and flashings must be exercised throughout erection. Foot traffic can cause distortion of panel and damage to finish. Avoid stepping on wall panels before installation if they are staged or stored on the ground. Any foot traffic on these panels will cause damage and hinder proper installation.

### REQUIRED TOOLS

Standard required tools for field installation include:

- Screw Gun(s)
- Magnetic Bits
- Metal Nibbler or Shear
- Tin Snips
- Tape Measure
- Chalk Line
- Hammer
- Rubber Mallet
- Power Drill
- Drill Bits
- Pop Rivet Gun
- Safety Goggles
- Gloves
- Ear Plugs
- Fall Protection
- Ladder(s)

# BOARD AND BATTEN Wall Preparation

## CONDITION OF SUBSTRUCTURE

Metal Sales' panels are designed to be installed over open framing and/or directly over a wood substrate with synthetic building wrap. Always check with local building codes prior to all installations for any additional requirements that may be specific to your area.

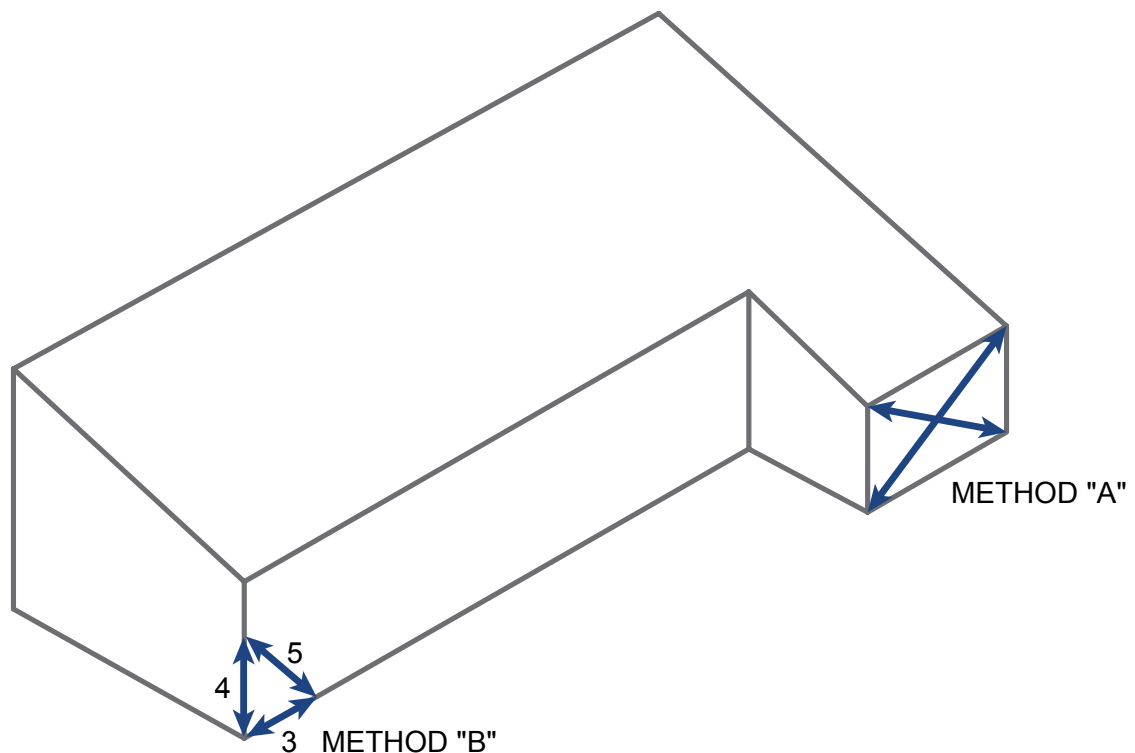
Galvalume panels should not be in contact with, or subject to, water runoff from copper, lead, or uncoated steel materials. Condensate water from air conditioning units typically contains dissolved copper. This condensate should be discharged through a plastic pipe extended beyond the edge of the roof.

The walls should be inspected for any trapped moisture or structural damage such as bowing or sagging members and warped or loose sheathing. Also make sure there are no nails or fasteners protruding from the wall framing or wood substrate which could damage the panels and impede the installation process. These areas must be repaired prior to installing new metal wall panels. Panel distortion may occur if not applied over properly aligned and uniform substructure.

Whether installing over new or existing wall, the installer should check the sheathing for squareness before installing panels. Several methods can be used to verify squareness of the structure for proper installation of the panels.

**METHOD "A"** - One method for checking the wall for squareness is to measure diagonally across one plane from similar points at the eave and base and obtain the same dimension.

**METHOD "B"** - The 3-4-5 triangle system may also be used. To use this system, measure a point from the corner along the edge of the wall at a module of three (3). Measure a point from the same corner along another edge at a module of four (4). By measuring diagonally between the two points established, the dimension should be exactly a module of five (5) to have a square corner. Multiple uses of this system may be required to determine building squareness. If the wall cannot be made square, the wall system cannot be installed as shown in these instructions.



**FIELD CUTTING**

Tin snips or a "nibbler" type electric tool are recommended for field cutting metal panels. Cutting the steel generates slivers or metal chips. These slivers and metal chips must be immediately removed from the panels because they will damage the finish and shorten the life of the product.

One method of preventing this problem is to flip the panels over when cutting. This allows the slivers and metal chips to be brushed from the back side and avoids damaging the paint on the top side of the panels.

When cutting metal panels and flashings, goggles must be worn for eye protection.

**CAUTION**

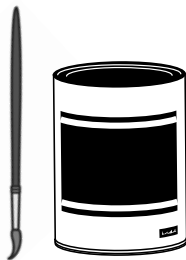
All product surfaces should be free of debris at all times. Installed surfaces should be wiped clean at the end of each work period. Never cut panels over metal surfaces. Metal shavings will rust on the surface, voiding the warranty.

**TOUCH-UP PAINT**

All painted panels and flashings have a factory applied baked on finish. Handling and installing panels may result in some small scratches or nicks to the paint finish. Touch-up paint is available in matching colors from Metal Sales. It is recommended that a small brush be used to apply touch-up paint to those areas that are in need of repair. Touch-up paint does not have the superior chalk and fade resistance of the factory applied paint finish and will normally discolor at an accelerated rate. Aerosol paint should not be used because of the over-spray that may occur.



SPRAY PAINT



TOUCH-UP PAINT

**CAUTION**

Use as little Touch-up paint as possible. Paint will fade and there is no finish warranty with this product.

**VENTILATION**

Proper design and installation of vapor barriers and ventilation systems are important to prevent condensation and the resulting problems of moisture damage and loss of insulation efficiency.

Condensation occurs when moisture laden air comes in contact with a surface temperature equal to or below the dew point of the air. This phenomenon creates problems that are not unique with metal buildings; these problems are common to all types of construction.

The underside of the metal roof on a typical metal building (no attic) should be protected from condensation by insulating with a faced insulation. This should reduce the potential of condensation forming on the underside of the panels.

On buildings that have an attic space or are being retrofitted with a metal roofing system, vents should be placed at both the eave and peak of the roof in order to prevent a buildup of moisture (humidity) in the attic space.

## BOARD AND BATTEN Care and Maintenance

Though factory applied pre-painted finishes are very durable and will last many years, eventually it may be desirable to thoroughly clean or repaint them.

Dirt pickup may cause apparent discoloration of the paint when it has been exposed in some dirt-laden environments for long periods of time. In areas of strong sunlight, slight chalking may cause some change in appearance. A good cleaning will often restore the appearance of these buildings and render repainting unnecessary. An occasional light cleaning will help maintain a good appearance.

In many cases, simply washing the building with plain water using a hose or pressure sprayer will be adequate. In areas where heavy dirt deposits dull the surface, a cloth or soft bristle brush and solution of water and detergent ( $\frac{1}{3}$  cup of laundry detergent per gallon of water for example) may be used. This should be followed by an adequate rinse of water. Do not use wire brushes, abrasives or cleaning tools which will damage the coating surface.

Mildew may occur in areas subject to high humidity but is not normally a problem due to the high inherent mildew resistance of the baked finish that is used. To remove mildew along with the dirt, the following solution is recommended.

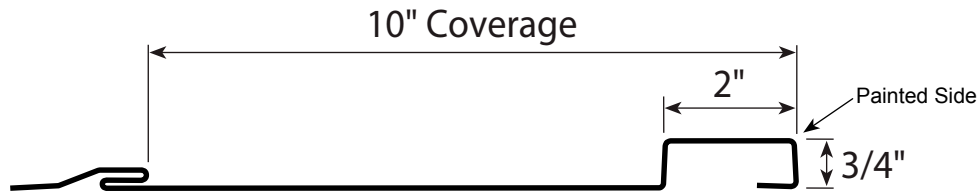
- $\frac{1}{3}$  cup detergent (Tide® or equivalent)
- $\frac{2}{3}$  cup trisodium phosphate (Solex® or equivalent)
- 1 quart of 5% sodium hypochlorite solution (Clorox® or equivalent)
- 3 quarts of water

Strong solvents and abrasive type cleaners should be avoided. Most organic solvents are flammable and toxic and must be handled accordingly. When using a solvent, consult maintenance professionals and label instructions for proper handling and disposal of washings. If required, a mild solvent such as mineral spirits can be used to remove caulking compounds, oil, grease, tars, wax and similar substances. Use a cloth dampened with mineral spirits and apply only to areas which are contaminated. Follow up the use of this mild solvent with detergent cleaning and rinsing.



# BOARD AND BATTEN Panel Profile

## 10" Coverage



Profile	Product No.	Coverage	Gauge	Finish
	2520341	10"	24	Acrylic-Coated Galvalume® (ACG)
	25203XX	10"	24	PVDF Painted

**Length**

Lengths under 5'-0" are available with some cutting restrictions. Maximum recommended panel length is 20'-0". Longer panels require additional consideration in packaging, shipping, and erection. Please consult your Metal Sales branch for recommendations.

**Fasteners**

The fastener selection guide should be consulted for choosing proper fasteners for specific applications. Quantity and type of fastener must meet necessary loading and code requirements.

**Materials**

Steel Grade 50 per ASTM A 792 (24 gauge)

**Finish**

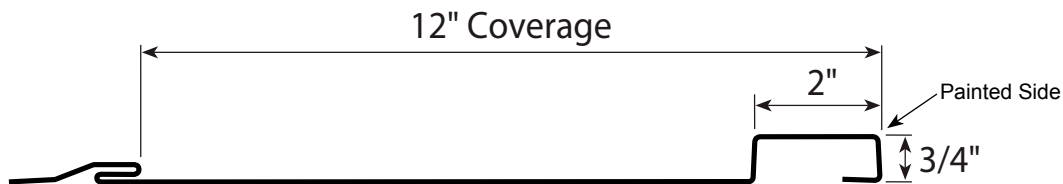
Acrylic Coated Galvalume® (ACG) / ASTM A792 - AZ55  
 Pre-painted Galvalume / ASTM A792 - AZ50  
 PVDF (Kynar 500 or Hylar 5000®)  
 Differential appearance of Acrylic Coated Galvalume roofing materials is not a cause for rejection.

**Support Materials**

Steel Framing – 18 gauge or thicker  
 Plywood – 1/2" or thicker  
 OSB – 7/16" or thicker  
 Lumber – 1x or thicker

# BOARD AND BATTEN Panel Profile

## 12" Coverage



Profile	Product No.	Coverage	Gauge	Finish
	2520741	12"	24	Acrylic-Coated Galvalume® (ACG)
	25207XX	12"	24	PVDF Painted

### Length

Lengths under 5'-0" are available with some cutting restrictions. Maximum recommended panel length is 20'-0". Longer panels require additional consideration in packaging, shipping, and erection. Please consult your Metal Sales branch for recommendations.

### Fasteners

The fastener selection guide should be consulted for choosing proper fasteners for specific applications. Quantity and type of fastener must meet necessary loading and code requirements.

### Materials

Steel Grade 50 per ASTM A 792 (24 gauge)

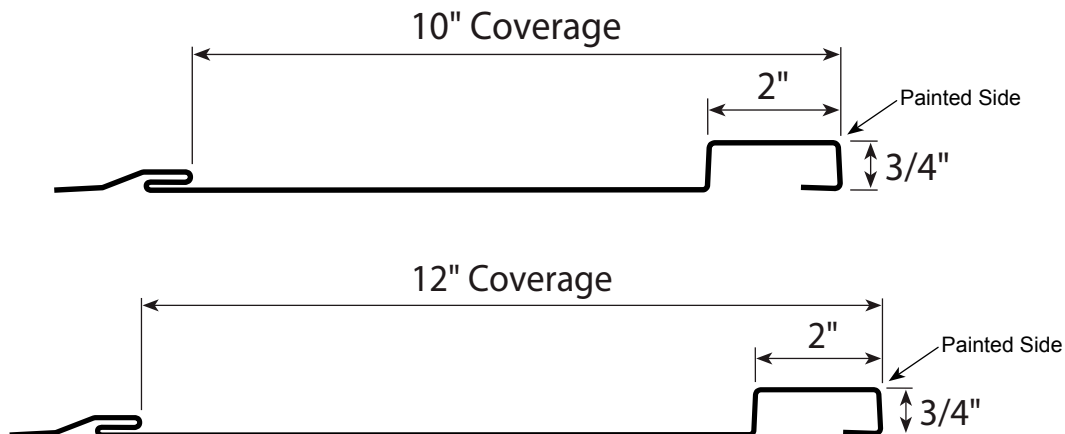
### Finish

Acrylic Coated Galvalume® (ACG) / ASTM A792 - AZ55  
 Pre-painted Galvalume / ASTM A792 - AZ50  
 PVDF (Kynar 500 or Hylar 5000®)  
 Differential appearance of Acrylic Coated Galvalume roofing materials is not a cause for rejection.

### Support Materials

Steel Framing – 18 gauge or thicker  
 Plywood – 1/2" or thicker  
 OSB – 7/16" or thicker  
 Lumber – 1x or thicker

## PANEL PROFILES



## PANEL OVERVIEW

- Finishes: PVDF and Acrylic-Coated Galvalume®
- Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume®  
AZ50 per ASTM A 792 for painted Galvalume®  
G90 per ASTM A 653 for Galvanized
- Gauges: 24 ga standard
- 10" or 12" panel coverage, 3/4" rib height
- Panel Length: Minimum: 5'-0"; Maximum: 20'-0" recommended
- Concealed-fastened wall system
- Traditional Board and Batten rib on 10" or 12" centers

## TESTING AND APPROVALS

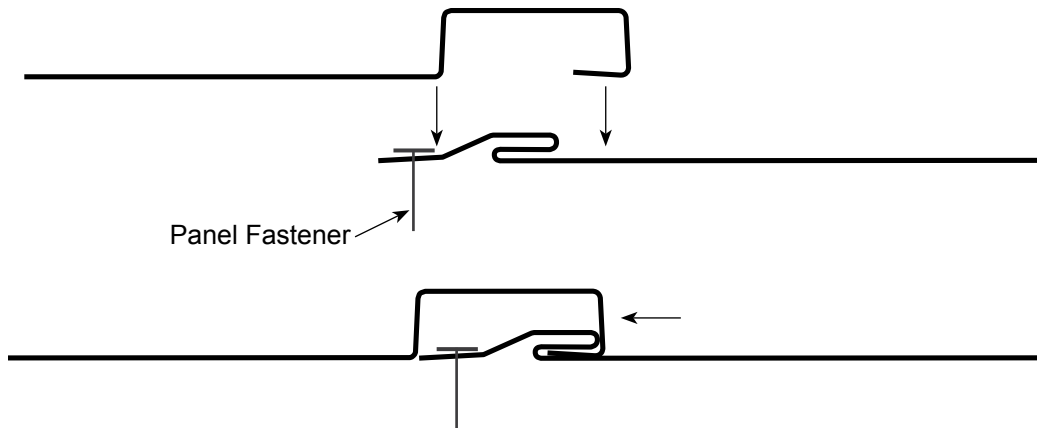
- ASTM E 283 Air Leakage, with building wrap
- ASTM E 331 Water Penetration, with building wrap
- ASTM E 330 Load Test

## FASTENING INFORMATION

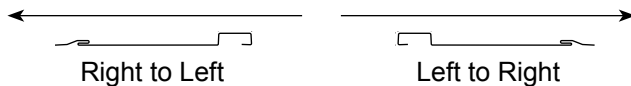
- Overdriven fasteners will cause panel distortions.
- Fasteners should extend 1/2" or more past the inside face of the support material.
- Thick supports (ex. 1/2" steel) may require predrilling of holes for screws.
- Panel Fastener:
  - Attaching to Wood:
    - #10-12 x 1" Pancake Head Wood Screw
  - Attaching to Steel:
    - #10-16 x 1" Pancake Head Driller
- Trim Fastener:
  - 1/4"-14 x 7/8" XL Stitch Screw
  - 1/8"-3/16" Pop Rivet

# BOARD AND BATTEN Design Information

## PANEL ATTACHMENT



## VERTICAL INSTALLATION



## HORIZONTAL INSTALLATION



Bottom to Top only

## LOAD TABLES

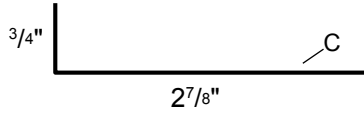
SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings									
Ga	Width in	Yield ksi	Weight psf	Top In Compression		Bottom In Compression		Inward Load					Outward Load				
				Ixx in <sup>4</sup> /ft	Sxx in <sup>3</sup> /ft	Ixx in <sup>4</sup> /ft	Sxx in <sup>3</sup> /ft	2'	3'	4'	5'	6'	2'	3'	4'	5'	6'
24	10	50	1.66	0.0442	0.0538	0.0410	0.0783	43	36	29	22	14	58	47	29	18	13
24	12	50	2.00	0.0635	0.0799	0.0550	0.0966	43	36	29	22	14	58	47	29	18	13

- Theoretical section properties have been calculated per AISI 2016 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase for wind.

# BOARD AND BATTEN

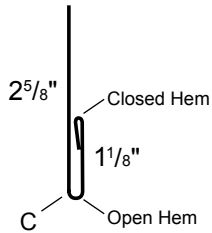
# Flashing Profiles

## JAMB SUPPORT



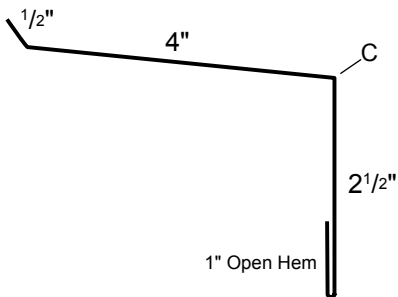
GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	ACG	5735241	3.4 lbs	10'-2"
24	PVDF	57352XX	3.4 lbs	10'-2"

## PANEL STARTER



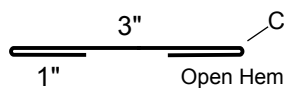
GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	ACG	5872841	3.2 lbs	10'-2"
24	PVDF	58728XX	3.2 lbs	10'-2"

## SILL/JAMB TRIM



GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	ACG	5871841	6.4 lbs	10'-2"
24	PVDF	58718XX	6.4 lbs	10'-2"

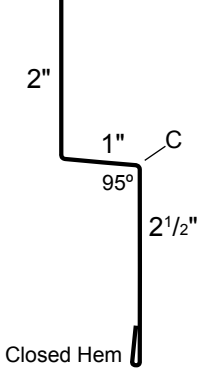
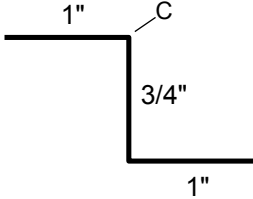
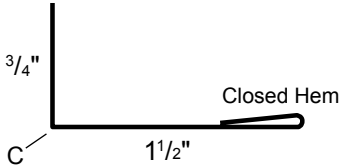
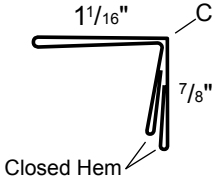
## REVEAL TRIM



GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	ACG	5874041	2.4 lbs	10'-2"
24	PVDF	58740XX	2.4 lbs	10'-2"

# BOARD AND BATTEN

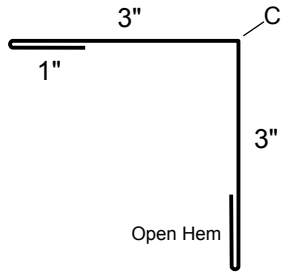
# Flashing Profiles

TRANSITION TRIM	GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
	<p>24 24</p>	<p>ACG PVDF</p>	<p>5553641 55536XX</p>	<p>6.0 lbs 6.0 lbs</p>	<p>10'-2" 10'-2"</p>
Z-CLOSURE	GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
	<p>24 24</p>	<p>ACG PVDF</p>	<p>5554241 55542XX</p>	<p>2.5 lbs 2.5 lbs</p>	<p>10'-2" 10'-2"</p>
MITER TRIM	GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
	<p>24 24</p>	<p>ACG PVDF</p>	<p>5565841 55658XX</p>	<p>2.0 lbs 2.0 lbs</p>	<p>10'-2" 10'-2"</p>
OPENING TRIM	GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
	<p>24 24</p>	<p>ACG PVDF</p>	<p>5837741 58377XX</p>	<p>2.8 lbs 2.8 lbs</p>	<p>10'-2" 10'-2"</p>

# BOARD AND BATTEN

# Flashing Profiles

## OUTSIDE CORNER



### GAUGE

### FINISH

### PRODUCT NO.

### WEIGHT

### LENGTH

24  
24

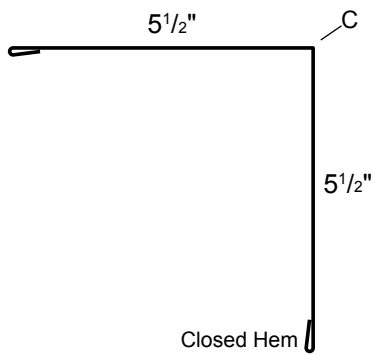
ACG  
PVDF

5872441  
58724XX

6.4 lbs  
6.4 lbs

10'-2"  
10'-2"

## OUTSIDE CORNER - WIDE



### GAUGE

### FINISH

### PRODUCT NO.

### WEIGHT

### LENGTH

24  
24

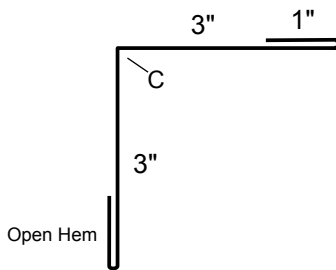
ACG  
PVDF

5713241  
58132XX

10.0 lbs  
10.0 lbs

10'-2"  
10'-2"

## INSIDE CORNER



### GAUGE

### FINISH

### PRODUCT NO.

### WEIGHT

### LENGTH

24  
24

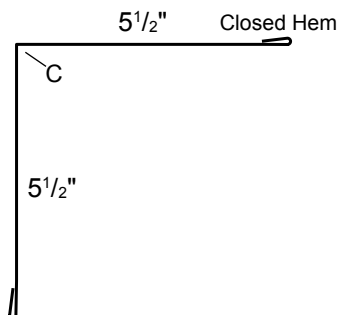
ACG  
PVDF

5872441  
58724XX

6.4 lbs  
6.4 lbs

10'-2"  
10'-2"

## INSIDE CORNER - WIDE



### GAUGE

### FINISH

### PRODUCT NO.

### WEIGHT

### LENGTH

24  
24

ACG  
PVDF

5712641  
58126XX

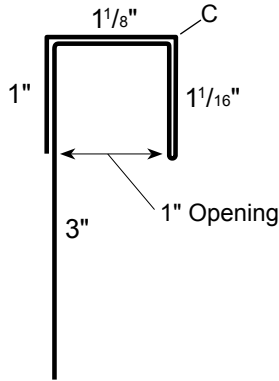
10.0 lbs  
10.0 lbs

10'-2"  
10'-2"

# BOARD AND BATTEN

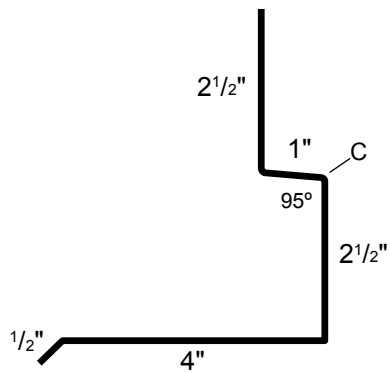
# Flashing Profiles

## WINDOW CLOSURE



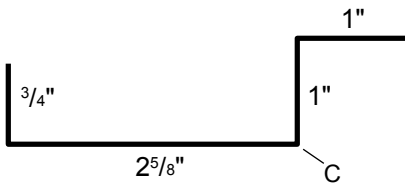
GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	ACG	5553941	3.7 lbs	7'-3"
24	PVDF	55539XX	3.7 lbs	10'-2"

## HEAD TRIM



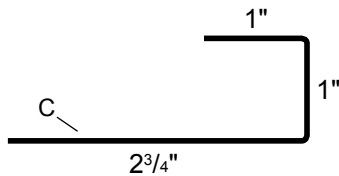
GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	ACG	5870241	5.0 lbs	10'-2"
24	PVDF	58702XX	5.0 lbs	10'-2"

## PANEL END CLOSURE



GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	ACG	5873041	5.8 lbs	10'-2"
24	PVDF	58730XX	5.8 lbs	10'-2"

## C-CLOSURE



GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	ACG	5554841	2.8 lbs	10'-2"
24	PVDF	55548XX	2.8 lbs	10'-2"

# BOARD AND BATTEN

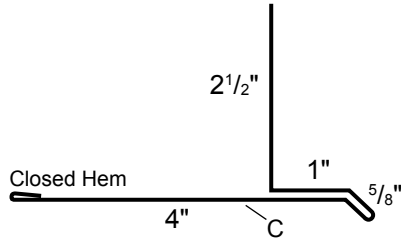
# Flashing Profiles

BASE • VERTICAL	GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
	24	ACG	5554541	2.9 lbs	10'-2"
	24	PVDF	55545XX	2.9 lbs	10'-2"
BASE • HORIZONTAL	GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
	24	ACG	5555141	4.2 lbs	10'-2"
	24	PVDF	55551XX	4.2 lbs	10'-2"
V-LINER BASE • VERTICAL	GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
	24	ACG	5555541	2.8 lbs	10'-2"
	24	PVDF	55555XX	2.8 lbs	10'-2"
H-LINER BASE • HORIZONTAL	GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
	24	ACG	5555441	4.1 lbs	10'-2"
	24	PVDF	55554XX	4.1 lbs	10'-2"

**BOARD AND BATTEN**

**Flashing Profiles**

**SILL TO SOFFIT**



GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	ACG	5553341	6.2 lbs	10'-2"
24	PVDF	55533XX	6.2 lbs	10'-2"

**OFFSET CLEAT**




GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
24	PVDF	5806499	2.1 lbs	10'-2"

GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
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GAUGE	FINISH	PRODUCT NO.	WEIGHT	LENGTH
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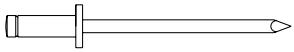
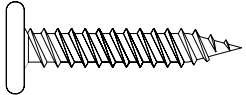
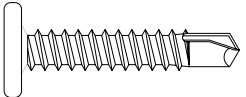
## BOARD AND BATTEN

## Accessories

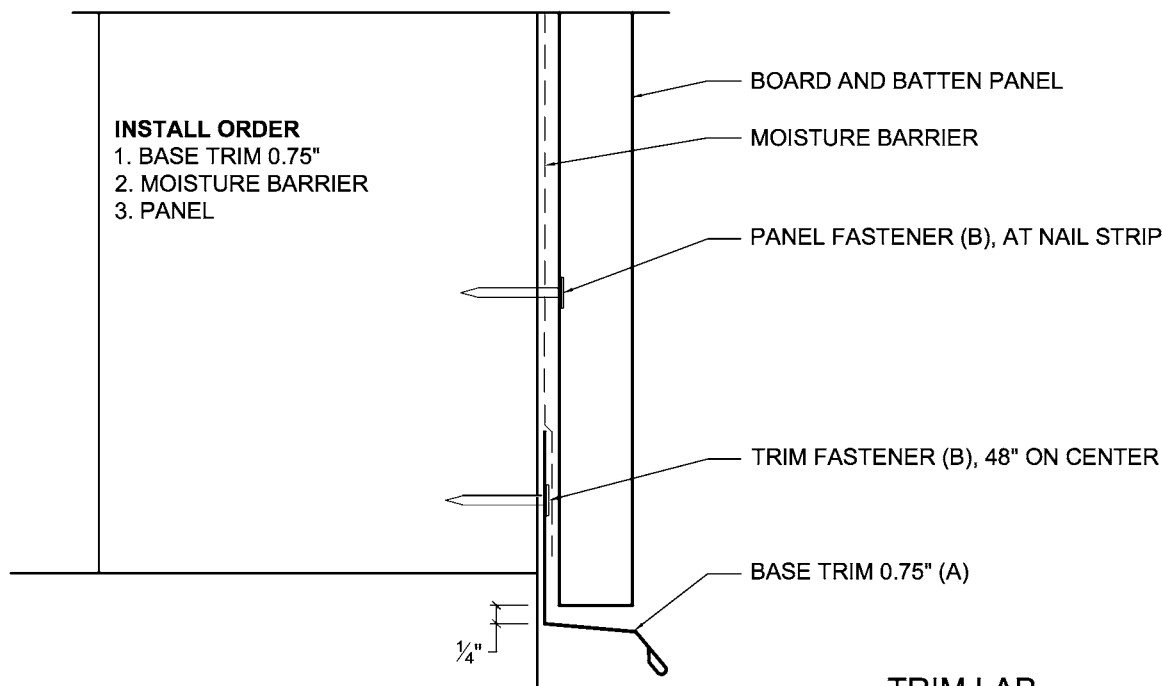
UNIVERSAL CLOSURE	SIZE	TYPE	PRODUCT NO.	WEIGHT	COLOR
	1" x 1 1/2" x 25'	Polyethylene Foam	6411499	2.0 lbs	Grey
	1" x 1 1/2" x 50'	Polyethylene Foam	6411299	4.0 lbs	Grey
SINGLE BEAD TUBE SEALANT	SIZE	TYPE	PRODUCT NO.	WT/24	
	3/8" x 3/32" x 50'	Butyl	6404099	48.0 lbs	24 Rolls
DOUBLE BEAD TUBE SEALANT	SIZE	TYPE	PRODUCT NO.	WT/CTN	CTN QTY
	7/8" x 3/16" x 25'	Butyl	6403899	57.6 lbs	24 Rolls
	7/8" x 3/16" x 40'	Butyl	6403999	48.0 lbs	10 Rolls
TUBE SEALANT	SIZE	TYPE	PRODUCT NO.	WT/CTN	CTN QTY
	10.3 oz	Urethane White	6402830	29.1 lbs	30 Tubes
	10.3 oz	Urethane Bronze	6402999	29.1 lbs	30 Tubes
	10.3 oz	Urethane Grey	6402829	29.1 lbs	30 Tubes
ms-HT UNDERLAYMENT	SIZE	TYPE	PRODUCT NO.	WT/CTN	CTN QTY
	36" x 75'-0"	Peel-n-Stick High Temp Underlayment	4121200	44.0 lbs	2 Squares/Roll

# BOARD AND BATTEN

# Fasteners

POP RIVET	SIZE	TYPE	PRODUCT NO.	FINISH	WT/250
 <p>*Limited stocked colors</p>	1/8" x 3/16"	Aluminum	8240901	Unpainted	0.75 lbs
	1/8" x 3/16"	Aluminum	82409XX	Painted*	0.75 lbs
	1/8" x 3/8"	Aluminum	82402XX	Painted*	0.75 lbs
PANCAKE HEAD WOODSCREW	SIZE	TYPE	PRODUCT NO.	FINISH	WT/250
	#10-12 x 1"	A	8243100	Plated	6.5 lbs
PANCAKE HEAD SELF DRILLER	SIZE	TYPE	PRODUCT NO.	FINISH	WT/250
	#10-16 x 1"	Driller	8242100	XL	6.5 lbs

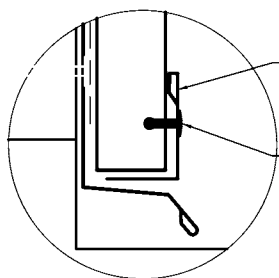
ELEVATION VIEW



**INSTALL ORDER**

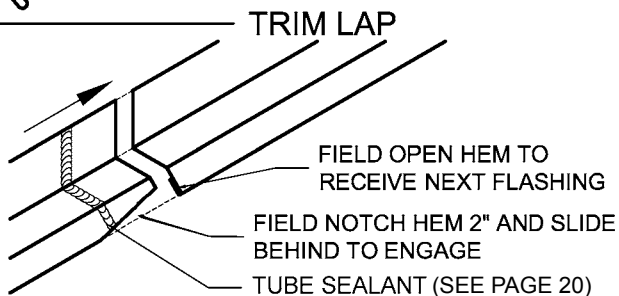
1. BASE TRIM 0.75"
2. MOISTURE BARRIER
3. PANEL

**OPTIONAL**



MITER TRIM 0.75"  
(SEE PAGE 15)

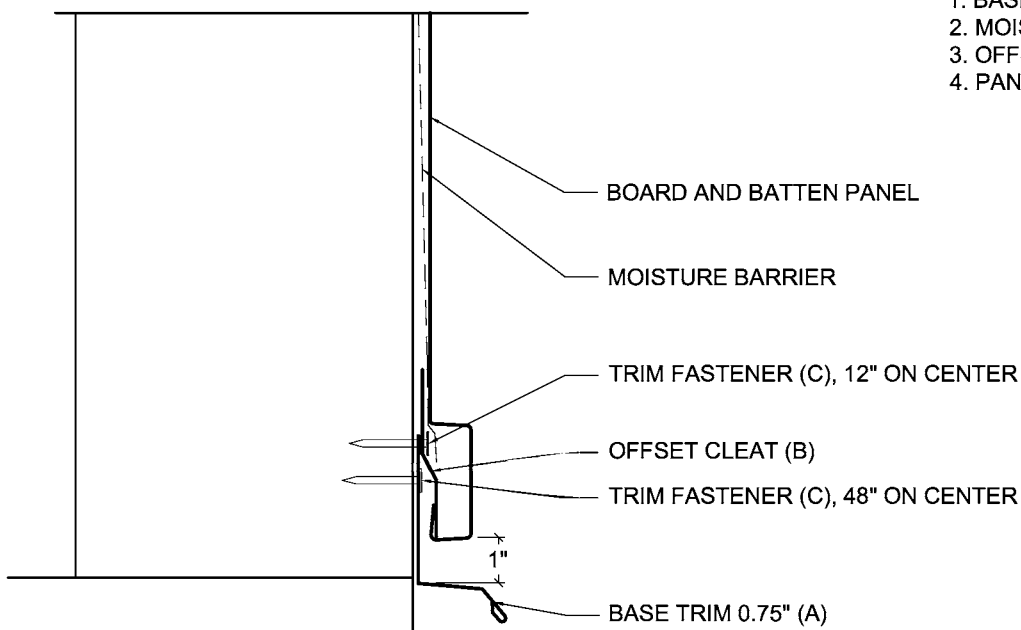
POP RIVET (C),  
24" ON CENTER



**NO FASTENERS THROUGH TRIM LAP**

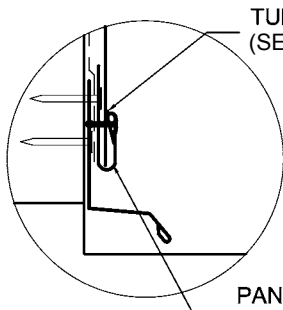
Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Base Trim 0.75"	5554541 55545XX	10'-2"	Install Moisture Barrier over top of Base Trim
<p><b>(B)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(B)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<p><b>(C)</b></p>	1/8" x 3/8" Pop Rivet	82402XX		For Sill/Jamb attachment to C-Closure and panel.

ELEVATION VIEW

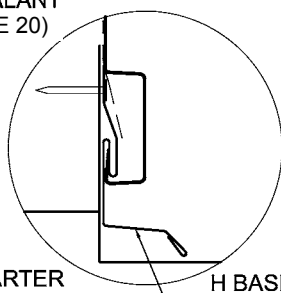


- INSTALL ORDER**
1. BASE TRIM 0.75"
  2. MOISTURE BARRIER
  3. OFFSET CLEAT
  4. PANEL

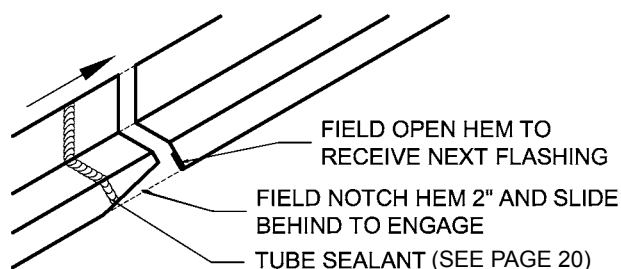
**AT LOW RIB**



**ALTERNATE**



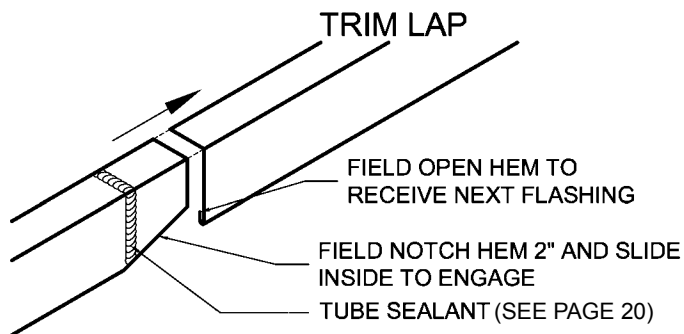
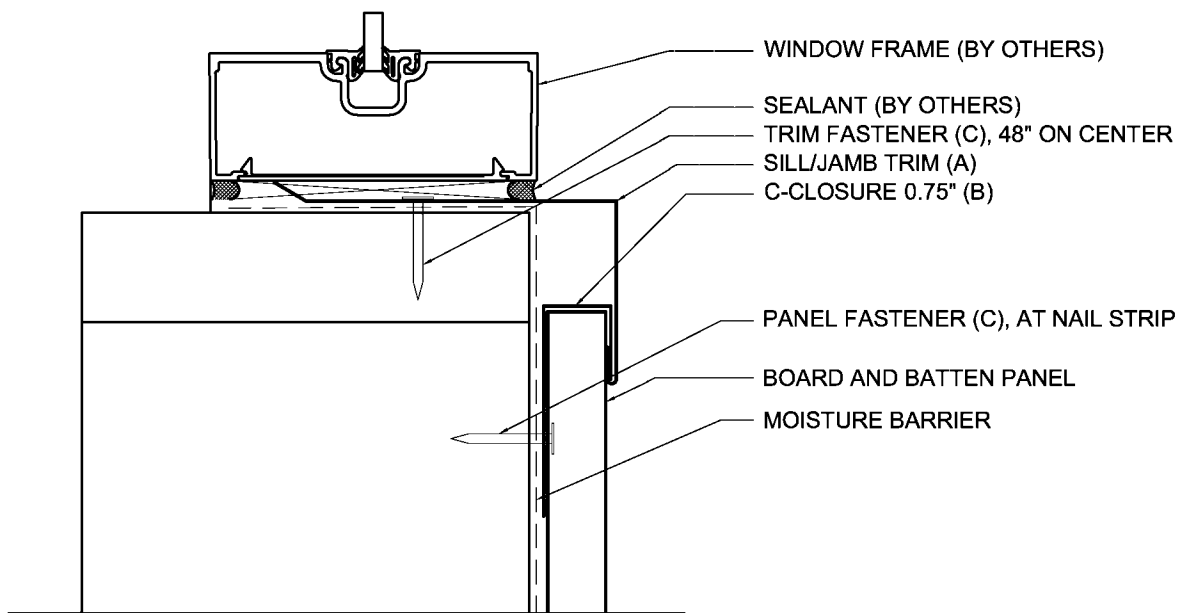
**TRIM LAP**



**NO FASTENERS THROUGH TRIM LAP**

Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Base Trim 0.75"	5554541 55545XX	10'-2"	Install Moisture Barrier over top of Base Trim
<p><b>(B)</b></p>	Offset Cleat, 24 Ga	5806499	10'-2"	Install Offset Cleat, located so panel will hook onto 1" leg of Offset Cleat.
<p><b>(C)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(C)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing

ELEVATION VIEW



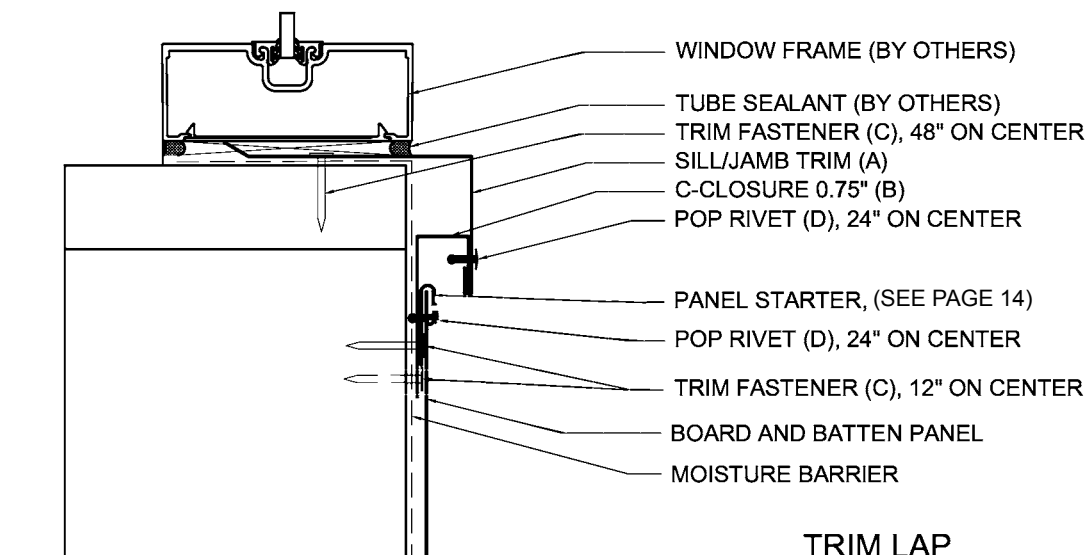
**INSTALL ORDER**

1. MOISTURE BARRIER
2. C-CLOSURE 0.75"
3. PANEL
4. SILL/JAMB TRIM
5. WINDOW FRAME

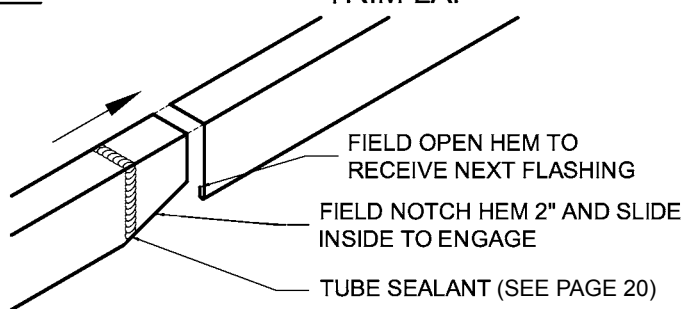
**NO FASTENERS THROUGH TRIM LAP**

Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Sill/Jamb Trim	5871841 58718XX	10'-2"	Hook Sill/Jamb Trim onto C-Closure and fasten in place. Ensure Sill/Jamb Trim is installed with slope to allow for water drainage.
<p><b>(B)</b></p>	24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure and hook Sill/Jamb Trim over 1" leg.
<p><b>(C)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(C)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing

ELEVATION VIEW



**TRIM LAP**

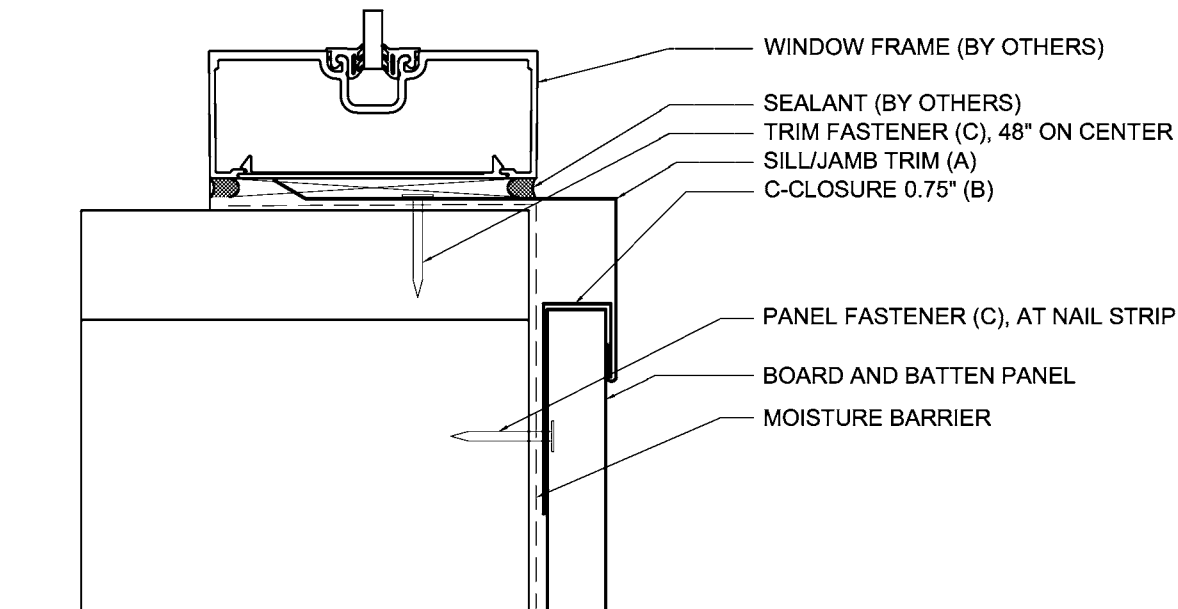


- INSTALL ORDER**
1. MOISTURE BARRIER
  2. C-CLOSURE 0.75"
  3. PANEL
  4. SILL/JAMB TRIM
  5. WINDOW FRAME

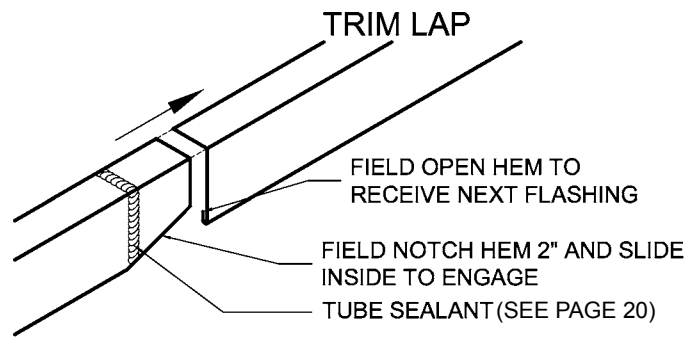
**NO FASTENERS THROUGH TRIM LAP**

	Part	Description	Product #	Length	Installation Information
(A)		24Ga Sill/Jamb Trim	5871841 58718XX	10'-2"	Hook Sill/Jamb Trim onto C-Closure and fasten in place. Ensure Sill/Jamb Trim is installed with slope to allow for water drainage.
(B)		24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure and hook Sill/Jamb Trim over 1" leg.
(C)		#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
(C)		#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
(D)		1/8" x 3/8" Pop Rivet	82402XX		For Sill/Jamb attachment to C-Closure and panel.

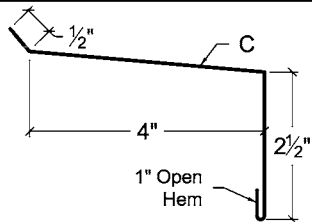
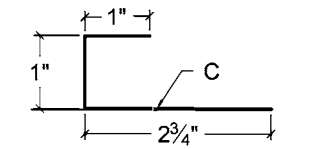
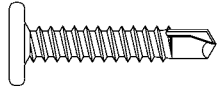
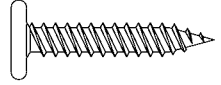
ELEVATION VIEW

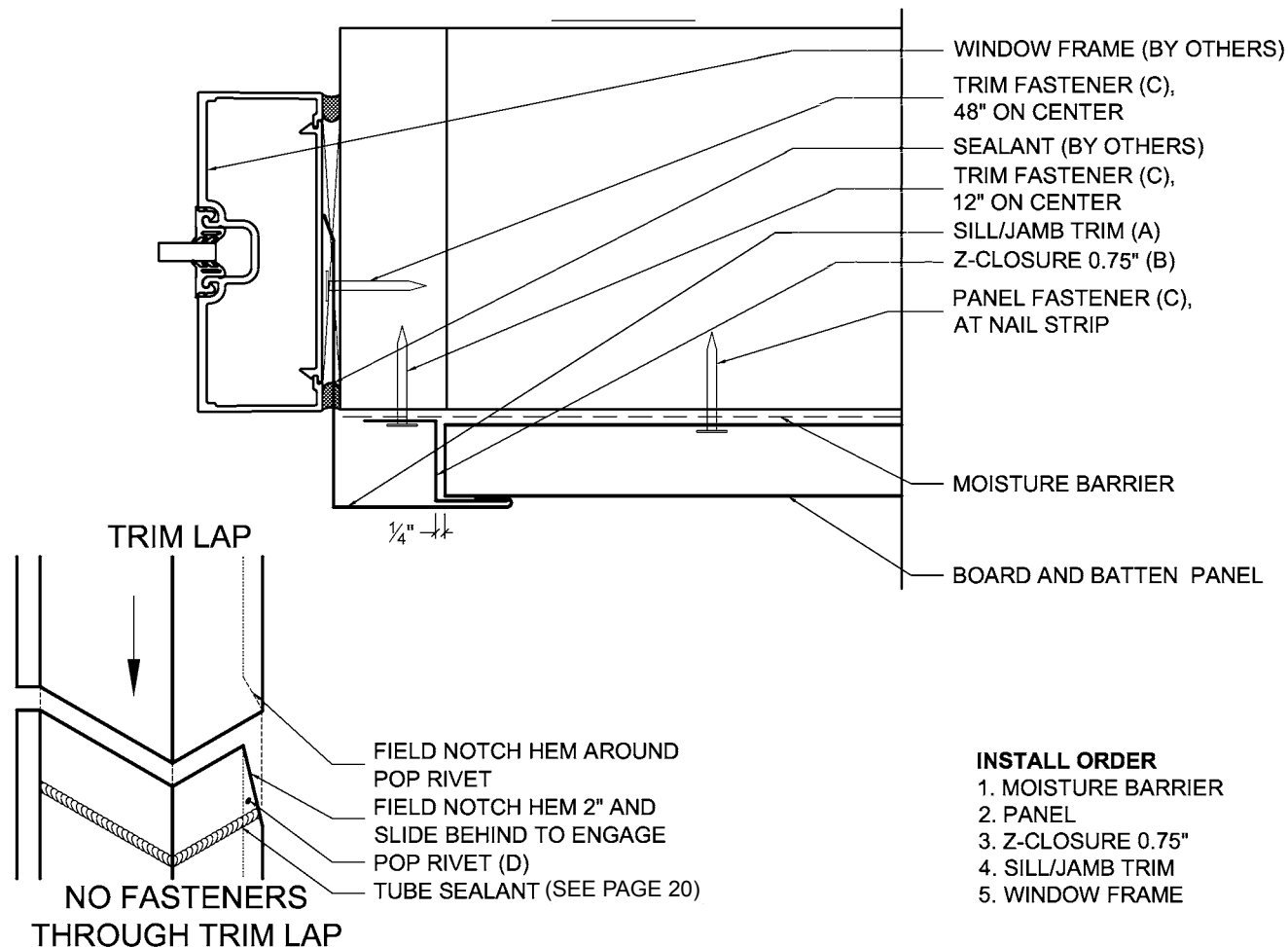


- INSTALL ORDER**
1. MOISTURE BARRIER
  2. C-CLOSURE 0.75"
  3. PANEL
  4. SILL/JAMB TRIM
  5. WINDOW FRAME



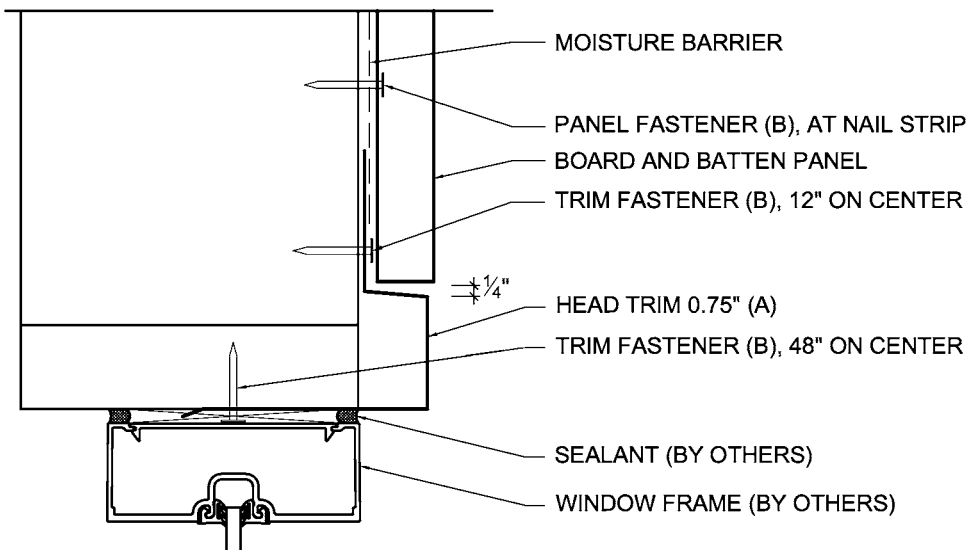
**NO FASTENERS THROUGH TRIM LAP**

Part	Description	Product #	Length	Installation Information
(A) 	24Ga Sill/Jamb Trim	5871841 58718XX	10'-2"	Hook Sill/Jamb Trim onto C-Closure and fasten in place. Ensure Sill/Jamb Trim is installed with slope to allow for water drainage.
(B) 	24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure and hook Sill/Jamb Trim over 1" leg.
(C) 	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
(C) 	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing



Part	Description	Product #	Length	Installation Information
	24Ga Sill/Jamb Trim	5871841 58718XX	10'-2"	Hook Sill/Jamb Trim onto Z-Closure and fasten into place.
	24Ga Z-Closure	5554241 55542XX	10'-2"	Install Z-Closure and hook Sill/Jamb Trim over 1" leg.
	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
	1/8" x 3/8" Pop Rivet	82402XX		For Sill/Jamb Trim attachment to Z-Closure

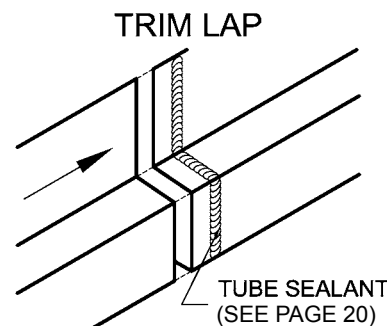
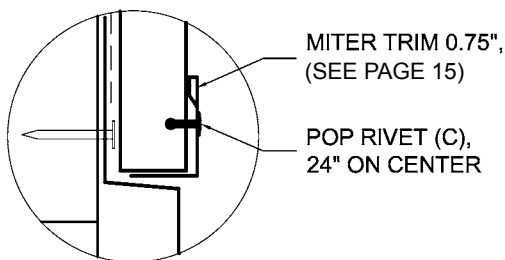
ELEVATION VIEW



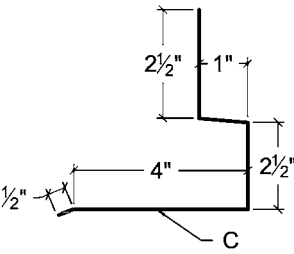
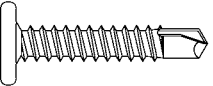
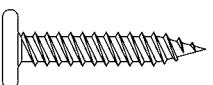
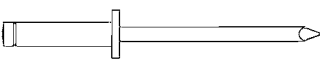
**INSTALL ORDER**

1. HEAD TRIM 0.75"
2. MOISTURE BARRIER
3. PANEL
4. WINDOW FRAME

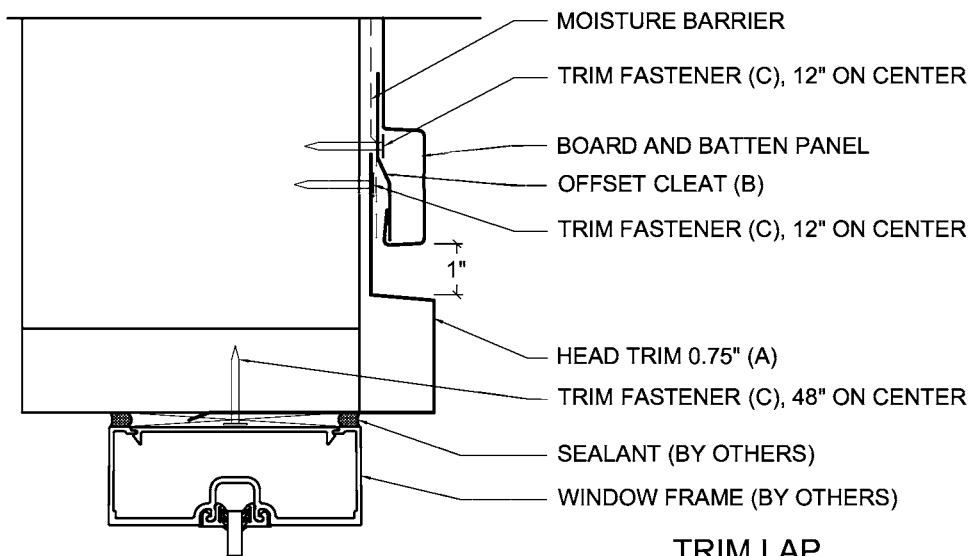
**OPTIONAL**



**NO FASTENERS  
 THROUGH TRIM LAP**

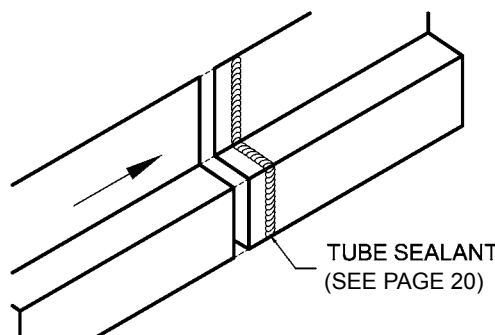
Part	Description	Product #	Length	Installation Information
(A) 	24Ga Head Trim	5870241 58702XX	10'-2"	Install Head Trim and fasten in place with Moisture Barrier over the top of the Head Trim. Ensure Head Trim is installed with slope to allow for water drainage.
(B) 	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
(B) 	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
(C) 	$\frac{1}{8}$ " x $\frac{3}{8}$ " Pop Rivet	82402XX		For Sill/Jamb attachment to C-Closure and panel.

ELEVATION VIEW



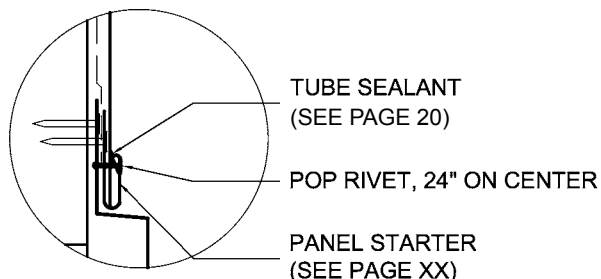
- INSTALL ORDER**
1. HEAD TRIM 0.75"
  2. MOISTURE BARRIER
  3. OFFSET CLEAT
  4. PANEL
  5. WINDOW FRAME

**TRIM LAP**

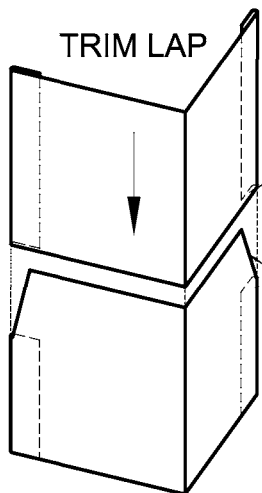


**NO FASTENERS THROUGH TRIM LAP**

**AT LOW RIB**

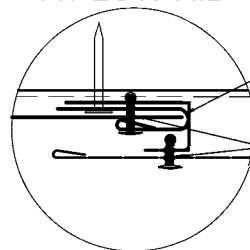


Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Head Trim	5870241 58702XX	10'-2"	Install Moisture Barrier over top of Head Trim and fasten in place. Ensure Head Trim is installed with slope to allow for water drainage.
<p><b>(B)</b></p>	24Ga Offset Cleat	5806499	10'-2"	Install Offset Cleat. Hook panel onto 1" leg of Offset Cleat.
<p><b>(C)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(C)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing

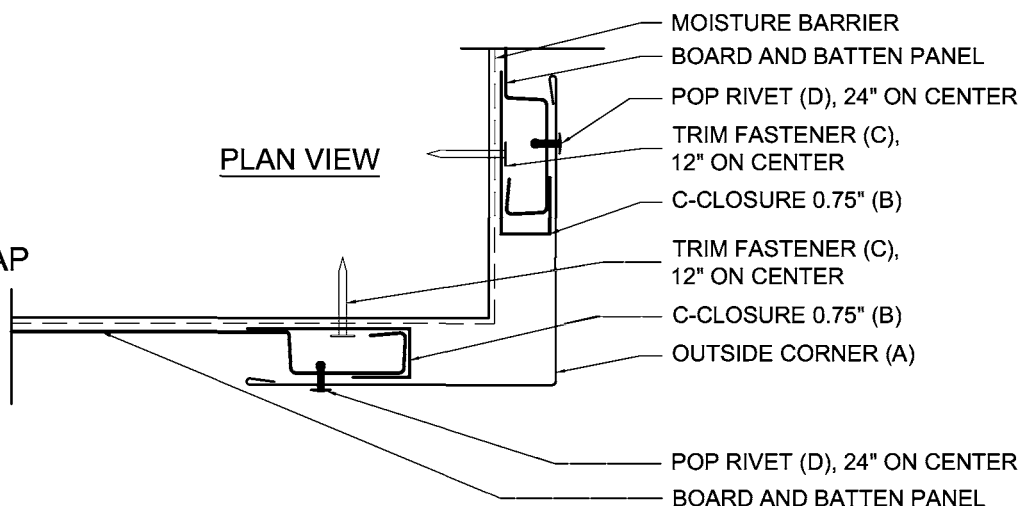


**NO FASTENERS THROUGH TRIM LAP**

**AT LOW RIB**



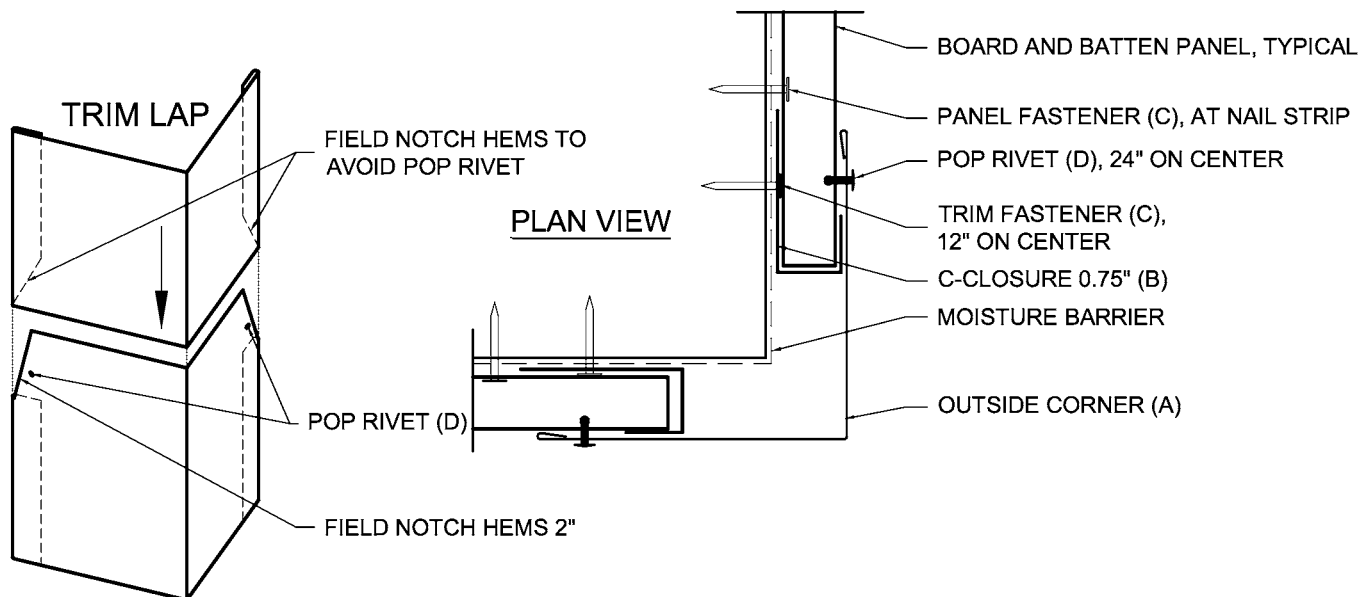
**PLAN VIEW**



**INSTALL ORDER**

1. MOISTURE BARRIER
2. C-CLOSURE 0.75"
3. PANEL
4. OUTSIDE CORNER
5. C-CLOSURE 0.75"
6. PANEL

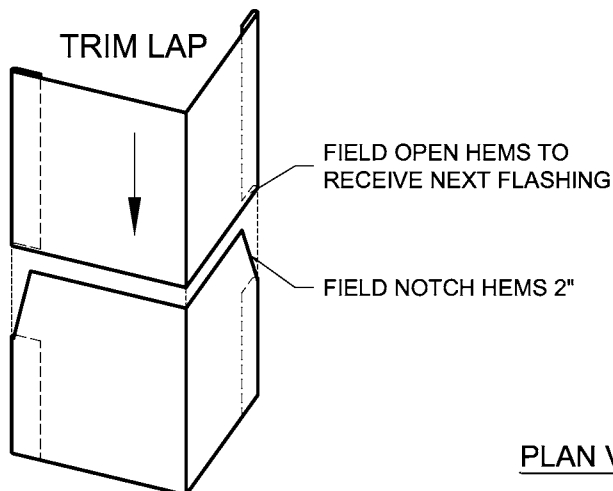
	Part	Description	Product #	Length	Installation Information
(A)		24Ga Outside Corner Wide	5713241 57132XX	10'-2"	Apply Outside Corner to panels. Pop Rivet each panel rib.
(B)		24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure to start panel.
(C)		#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
(C)		#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
(D)		1/8" x 3/8" Pop Rivet	82402XX		For Outside Corner attachment to C-Closures



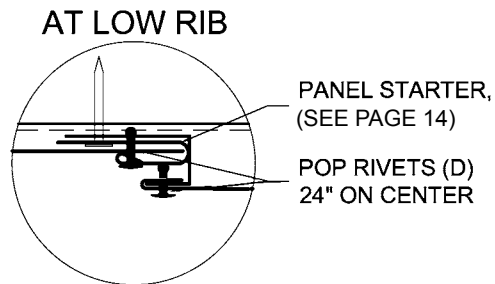
**NO FASTENERS  
THROUGH TRIM LAP**

- INSTALL ORDER**
1. MOISTURE BARRIER
  2. C-CLOSURE 0.75"
  3. PANEL
  4. OUTSIDE CORNER
  5. C-CLOSURE 0.75"
  6. PANEL

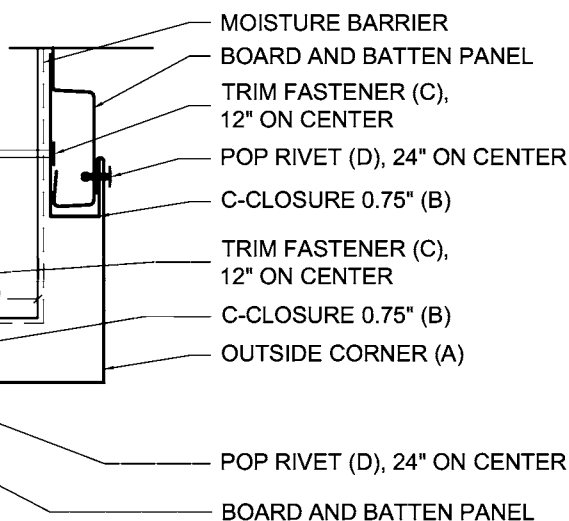
	Part	Description	Product #	Length	Installation Information
(A)		24Ga Outside Corner Wide	5713241 57132XX	10'-2"	Apply Outside Corner to panels. Pop Rivet to each panel rib.
(B)		24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure before panel. An alternate is to use Z-Closure to ease panel installation.
(C)		#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
(C)		#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
(D)		1/8" x 3/8" Pop Rivet	82402XX		For Outside Corner attachment to C-Closures



**NO FASTENERS THROUGH TRIM LAP**



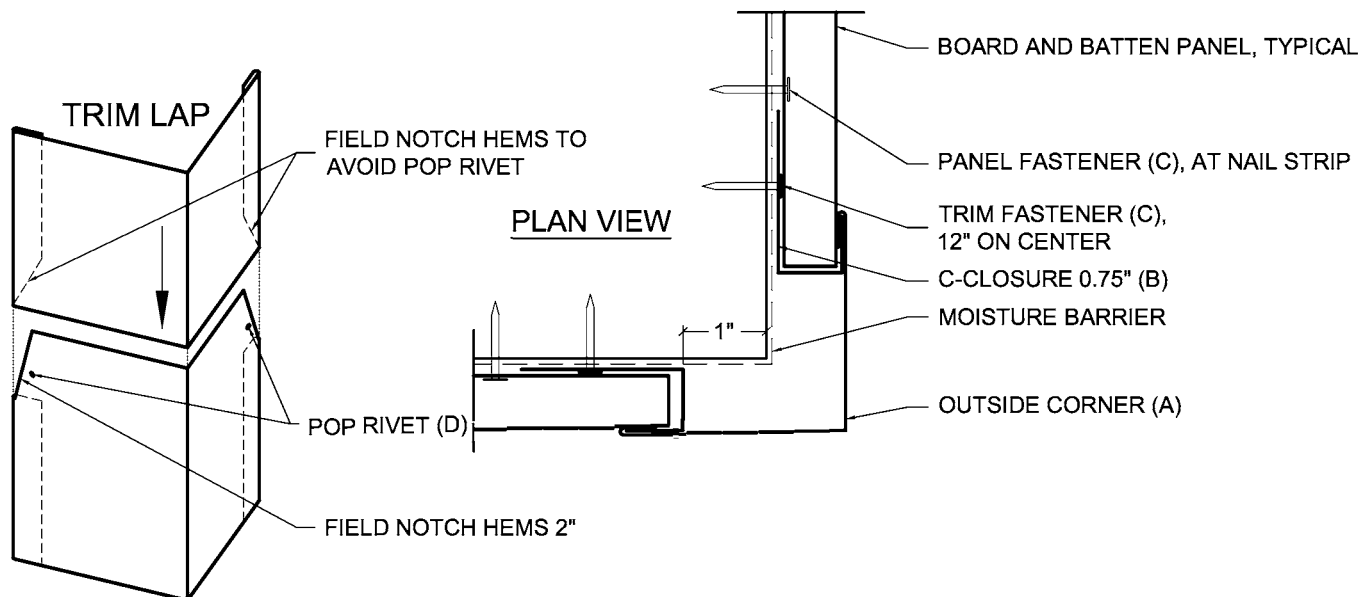
**PLAN VIEW**



**INSTALL ORDER**

1. MOISTURE BARRIER
2. C-CLOSURE 0.75"
3. PANEL
4. OUTSIDE CORNER
5. C-CLOSURE 0.75"
6. PANEL

	Part	Description	Product #	Length	Installation Information
(A)		24Ga Outside Corner	5872441 58724XX	10'-2"	Hook Outside Corner around C-Closures. Pop Rivet to panel and C-Closures.
(B)		24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure to start panel.
(C)		#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
(C)		#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
(D)		1/8" x 3/8" Pop Rivet	82402XX		For Outside Corner attachment to C-Closures

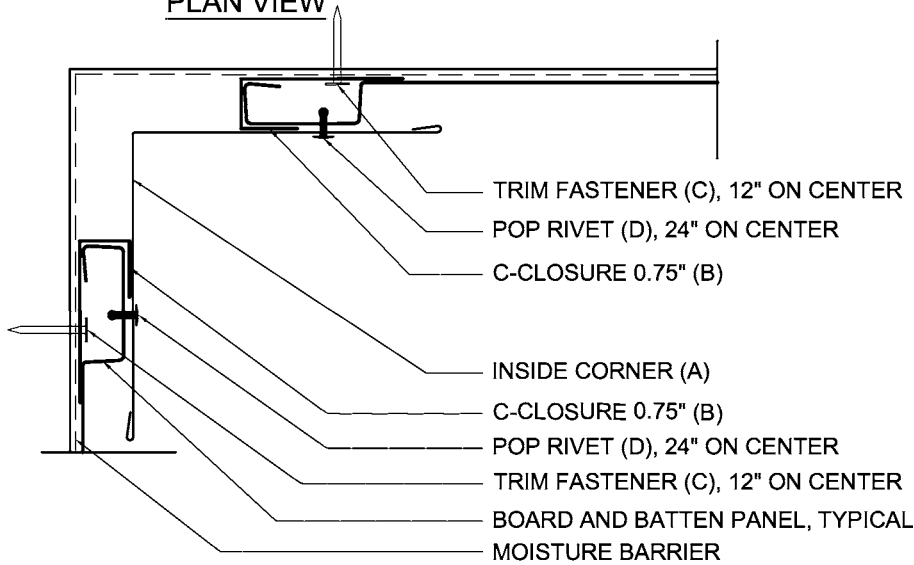


**NO FASTENERS  
THROUGH TRIM LAP**

- INSTALL ORDER**
1. MOISTURE BARRIER
  2. C-CLOSURE 0.75"
  3. PANEL
  4. OUTSIDE CORNER
  5. C-CLOSURE 0.75"
  6. PANEL

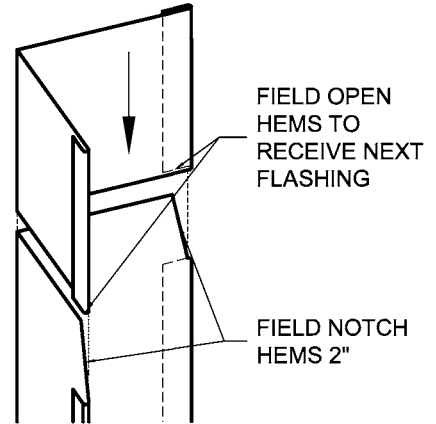
Part	Description	Product #	Length	Installation Information
	24Ga Outside Corner	5872441 58724XX	10'-2"	Hook Outside Corner around C-Closure, pull C-Closure into place. Pop Rivet to C-Closures under trim lap.
	24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure before panel. An alternate is to use Z-Closure to ease panel installation.
	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
	1/8" x 3/8" Pop Rivet	82402XX		For Outside Corner attachment to C-Closures

**PLAN VIEW**



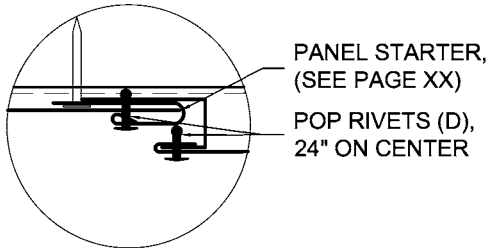
C-Closure 0.75", 24 Ga  
 C-Closure 0.75", 0.032"

**TRIM LAP**



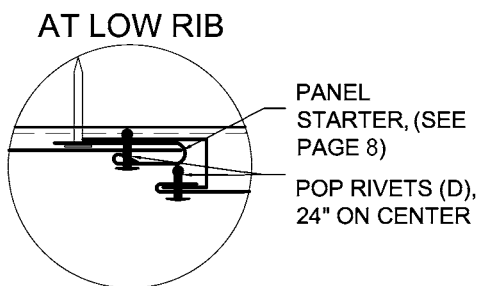
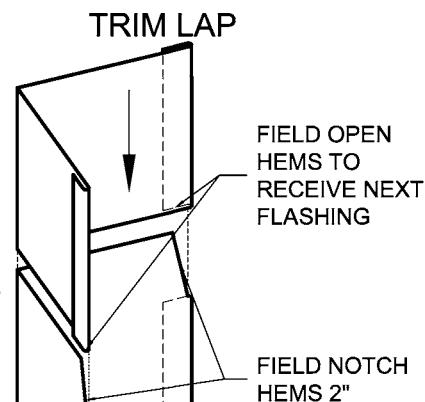
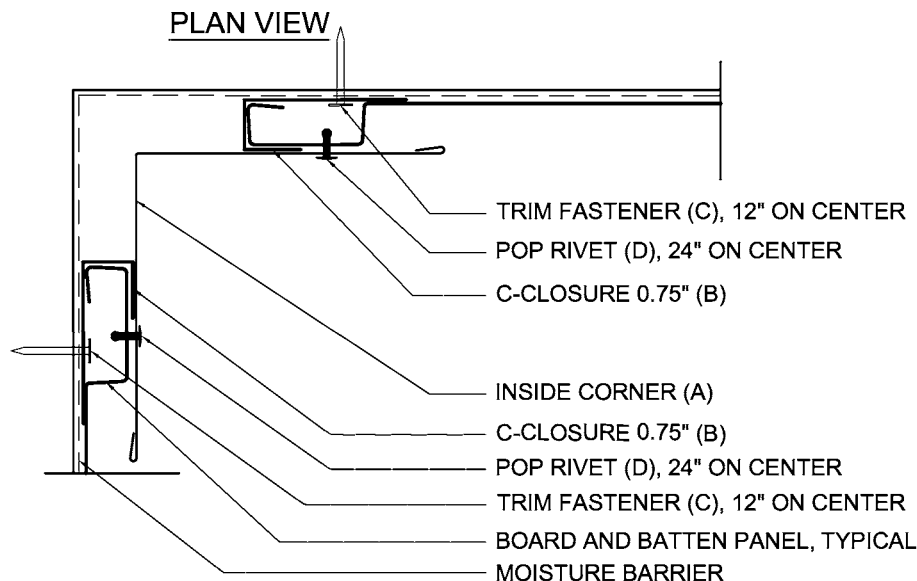
**NO FASTENERS THROUGH TRIM LAP**

**AT LOW RIB**



- INSTALL ORDER**
1. MOISTURE BARRIER
  2. C-CLOSURE 0.75"
  3. PANEL
  4. INSIDE CORNER
  5. C-CLOSURE 0.75"
  6. PANEL

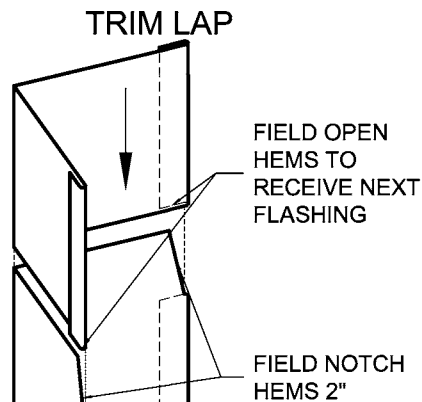
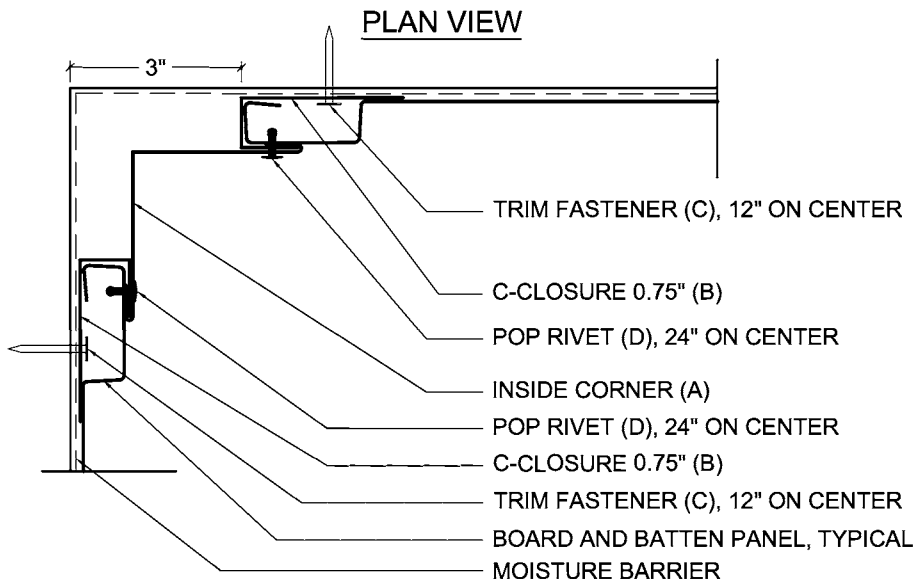
Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Inside Corner Wide	5712641 57126XX	10'-2"	Apply Inside Corner Trim to panels. Pop Rivet to each panel rib.
<p><b>(B)</b></p>	24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure on each side of corner.
<p><b>(C)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(C)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<p><b>(D)</b></p>	1/8" x 3/8" Pop Rivet	82402XX		For Inside Corner attachment to panels



- INSTALL ORDER**
1. MOISTURE BARRIER
  2. C-CLOSURE 0.75"
  3. PANEL
  4. INSIDE CORNER
  5. C-CLOSURE 0.75"
  6. PANEL

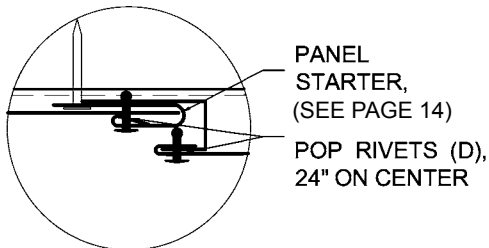
**NO FASTENERS THROUGH TRIM LAP**

Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Inside Corner Wide	5712641 57126XX	10'-2"	Apply Inside Corner Trim to panels. Pop Rivet to each panel rib.
<p><b>(B)</b></p>	24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure on each side of corner.
<p><b>(C)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(C)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<p><b>(D)</b></p>	1/8" x 3/8" Pop Rivet	82402XX		For Inside Corner attachment to panels



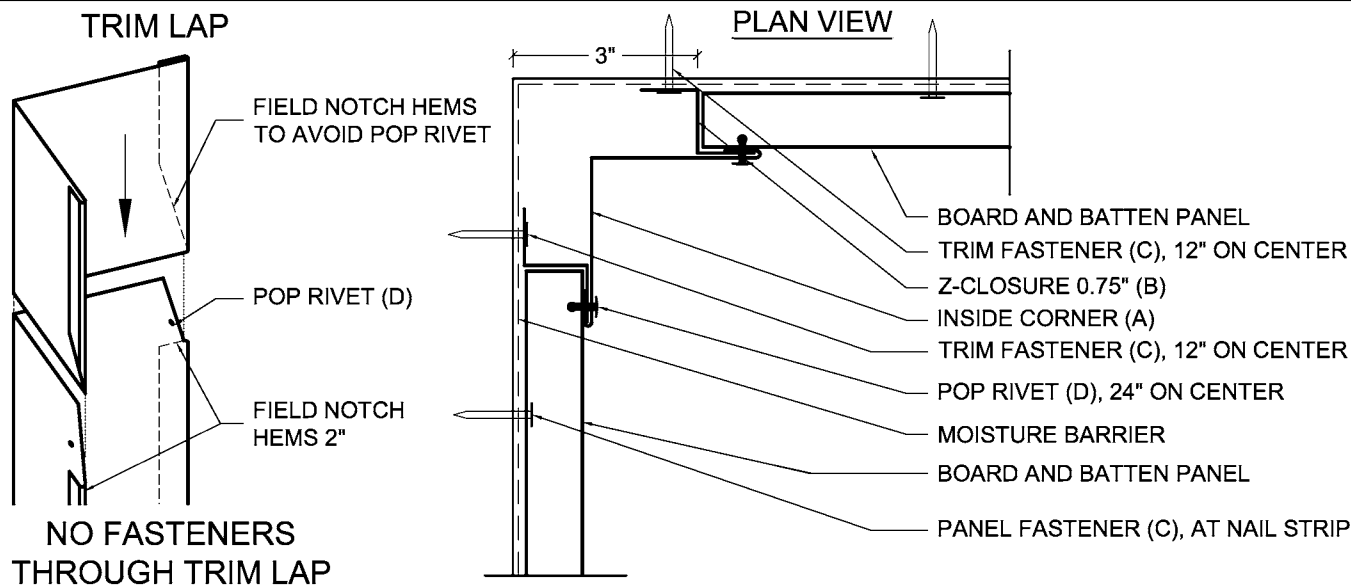
**NO FASTENERS THROUGH TRIM LAP**

**AT LOW RIB**



- INSTALL ORDER**
1. MOISTURE BARRIER
  2. C-CLOSURE 0.75"
  3. PANEL
  4. INSIDE CORNER
  5. C-CLOSURE 0.75"
  6. PANEL

Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Inside Corner	587441 58724XX	10'-2"	Hook Inside Corner Trim around C-Closures. Pop Rivet to closure trims and panel 24" on center.
<p><b>(B)</b></p>	24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure on each side of corner.
<p><b>(C)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(C)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<p><b>(D)</b></p>	1/8" x 3/8" Pop Rivet	82402XX		For Inside Corner attachment to C-Closures



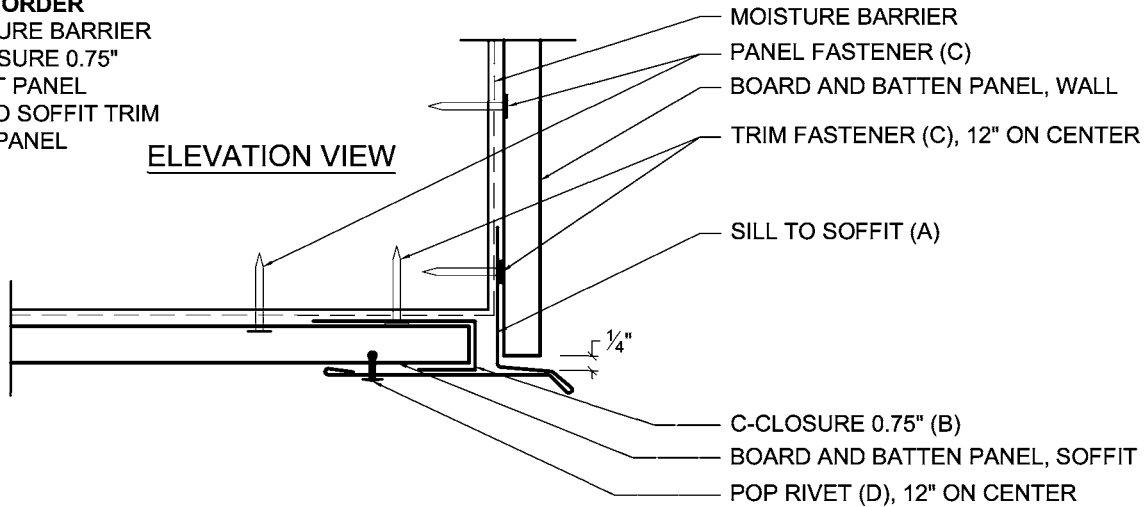
**INSTALL ORDER**

1. MOISTURE BARRIER
2. Z-CLOSURE 0.75"
3. PANEL
4. INSIDE CORNER
5. Z-CLOSURE 0.75"
6. PANEL

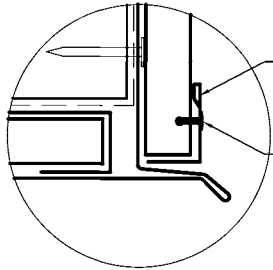
Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Inside Corner	5872441 57132XX	10'-2"	Hook Inside Corner around Z-Closures into place. Pop Rivet to Z-Closures under trim lap.
<p><b>(B)</b></p>	24Ga C-Closure	5554841 55548XX	10'-2"	Install Z-Closure on each side of corner.
<p><b>(C)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(C)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<p><b>(D)</b></p>	1/8" x 3/8" Pop Rivet	82402XX		For Inside Corner attachment to Z-Closures

- INSTALL ORDER**
1. MOISTURE BARRIER
  2. C-CLOSURE 0.75"
  3. SOFFIT PANEL
  4. SILL TO SOFFIT TRIM
  5. WALL PANEL

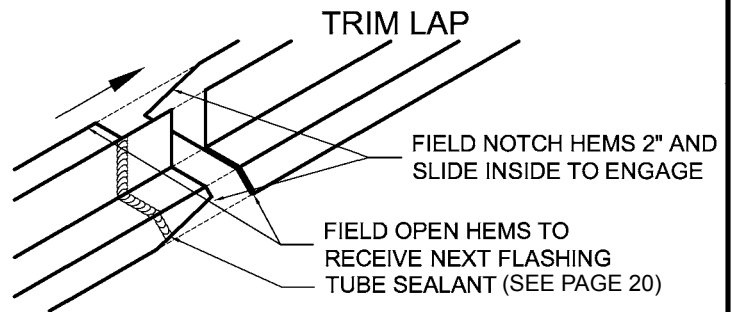
**ELEVATION VIEW**



**OPTIONAL**

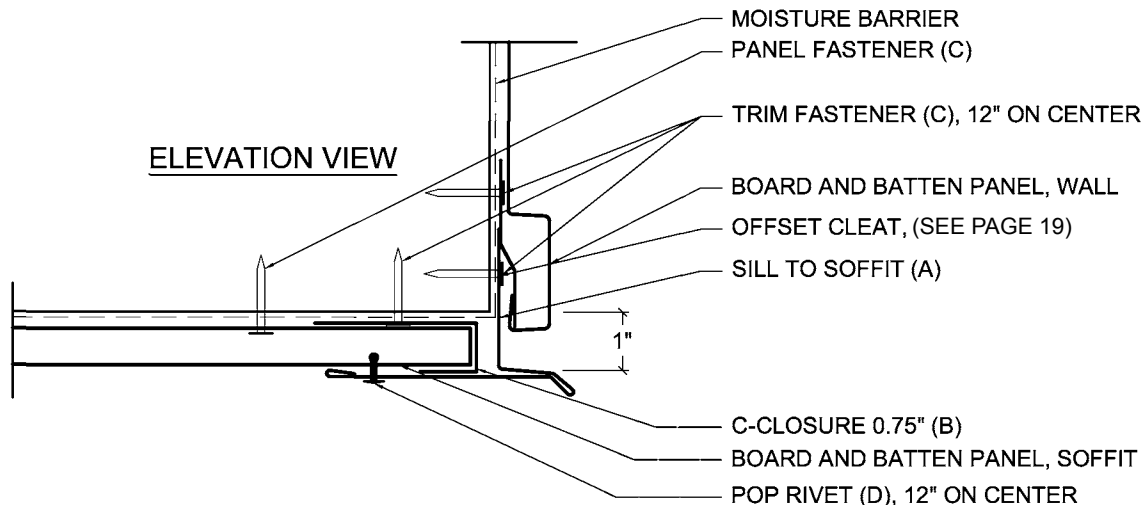


- MITER TRIM 0.75", (SEE PAGE 15)
- POP RIVET (C), 24" ON CENTER

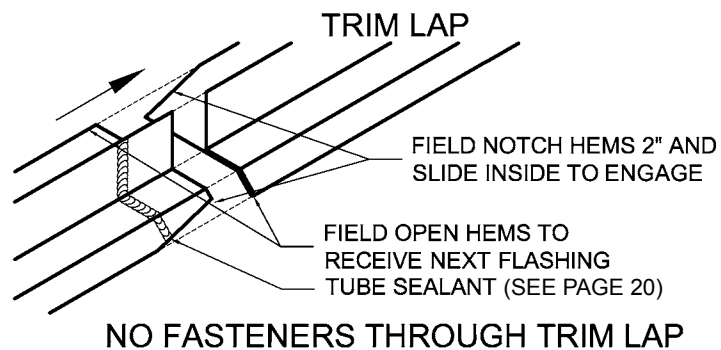


**NO FASTENERS THROUGH TRIM LAP**

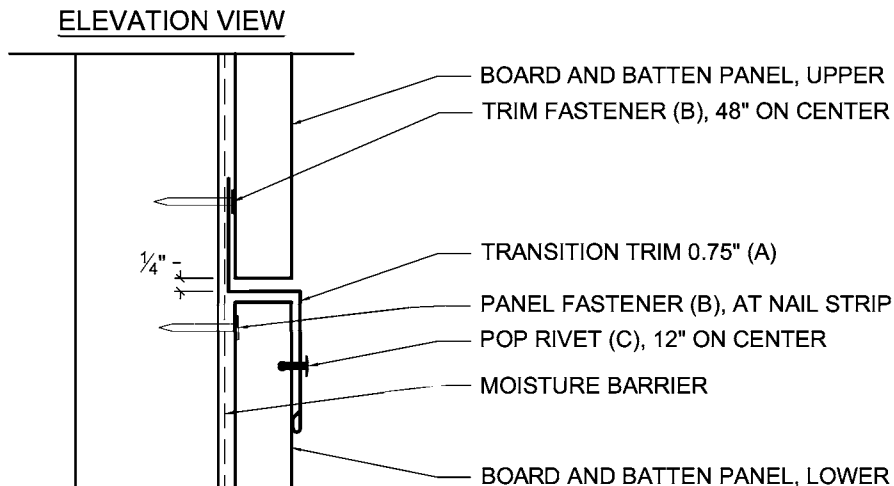
Part	Description	Product #	Length	Installation Information
<b>(A)</b>	24Ga Sill to Soffit	5553341 55533XX	10'-2"	Locate against Soffit panel and wall. Fastener to Soffit panel and Wall.
<b>(B)</b>	24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure to start panel.
<b>(C)</b>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<b>(C)</b>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<b>(D)</b>	1/8" x 3/8" Pop Rivet	82402XX		For Sill to Soffit trim attachment to Soffit panel



- INSTALL ORDER**
1. MOISTURE BARRIER
  2. C-CLOSURE 0.75"
  3. SOFFIT PANEL
  4. SILL TO SOFFIT
  5. OFFSET CLEAT (SEE PAGE 19)
  6. WALL PANEL

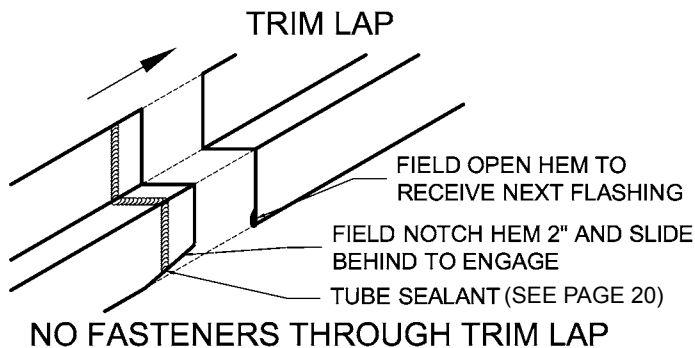
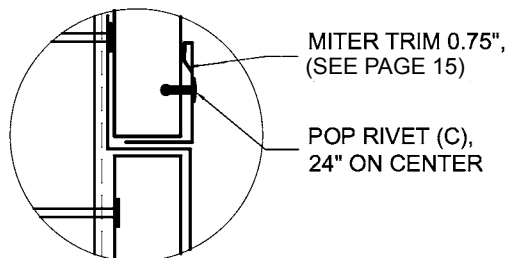


Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Sill to Soffit	5553341 55533XX	10'-2"	Locate against Soffit panel and wall. Fastener to Soffit panel and Wall.
<p><b>(B)</b></p>	24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure to start panel.
<p><b>(C)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(C)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<p><b>(D)</b></p>	1/8" x 3/8" Pop Rivet	82402XX		For Sill to Soffit trim attachment to Soffit panel

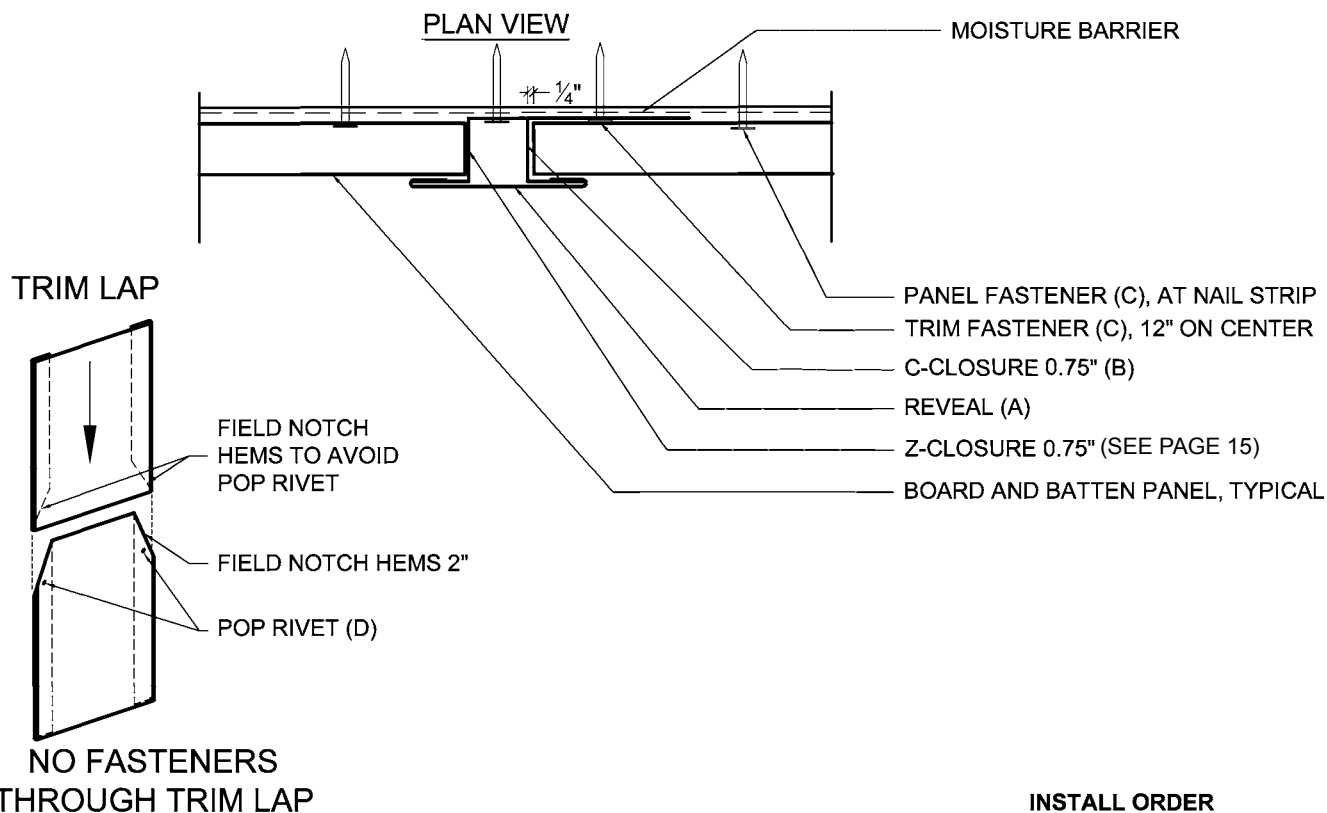


**INSTALL ORDER**  
 1. LOWER PANEL  
 2. TRANSITION TRIM 0.75"  
 3. UPPER PANEL

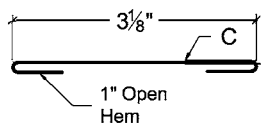
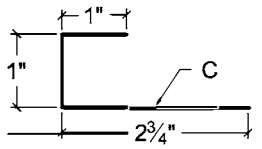
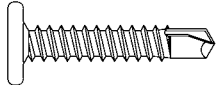
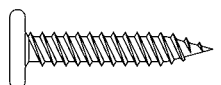

**OPTIONAL**



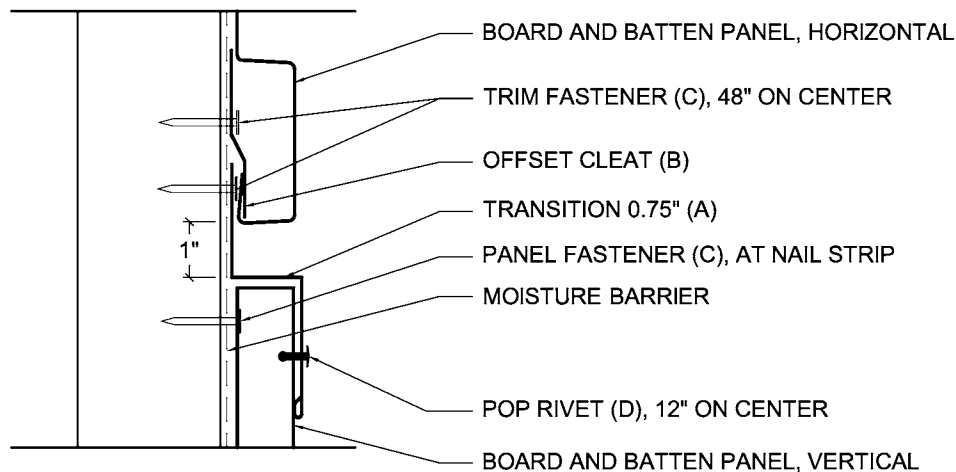
Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Transition Trim	5553641 55536XX	10'-2"	Install Transition Trim over lower panel and attach with Pop Rivet at Outside Closure.
<p><b>(B)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(B)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<p><b>(C)</b></p>	1/8" x 3/8" Pop Rivet	82402XX		For trim attachment to panel



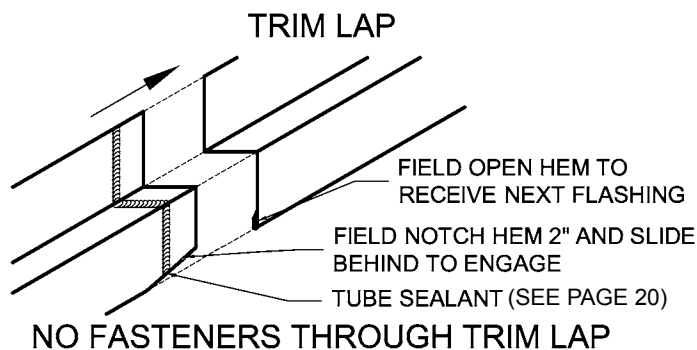
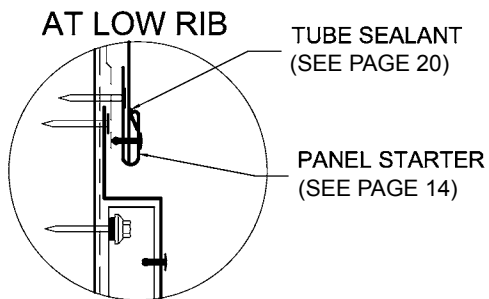
- INSTALL ORDER**
1. MOISTURE BARRIER
  2. PANEL
  3. Z-CLOSURE 0.75"
  4. REVEAL
  5. C-CLOSURE 0.75"
  6. PANEL

Part	Description	Product #	Length	Installation Information
(A) 	24Ga Reveal Trim	5874041 58740XX	10'-2"	Hook Reveal on Z-Closure and engage C-Closure. Pop Rivet to Closures at trim lap.
(B) 	24Ga C-Closure	5554841 55548XX	10'-2"	Install C-Closure to restrain Reveal. Leave 1/4" gap between end of panels and back of C-Closure.
(C) 	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
(C) 	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
(D) 	1/8" x 3/8" Pop Rivet	82402XX		For Reveal attachment to Closures at trim lap

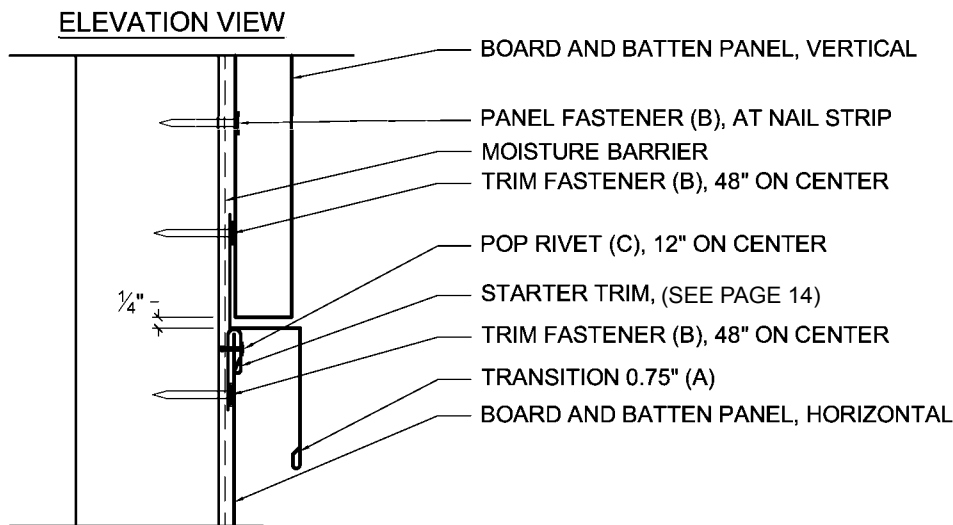
ELEVATION VIEW



- INSTALL ORDER**
1. LOWER, VERTICAL PANEL
  2. TRANSITION 0.75"
  3. OFFSET CLEAT
  4. UPPER, HORIZONTAL PANEL



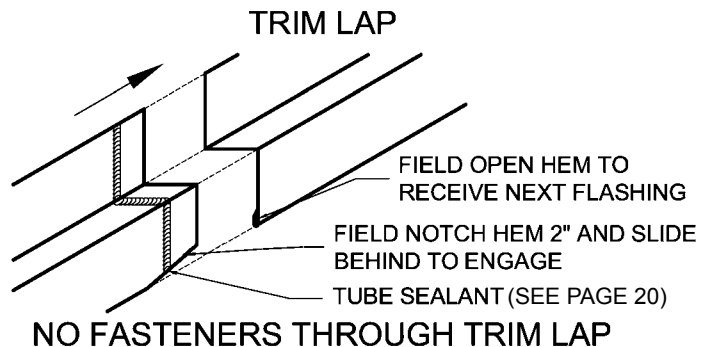
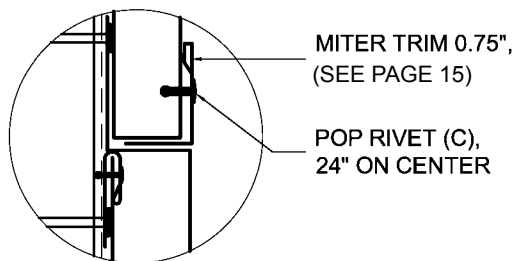
Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Transition Trim	5553641 55536XX	10'-2"	Install Transition over vertical panel and attach with Pop Rivet.
<p><b>(B)</b></p>	24Ga Offset Cleat	5806499	10'-2"	Hook panel onto 1" leg of Offset Cleat.
<p><b>(C)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(C)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<p><b>(D)</b></p>	1/8" x 3/8" Pop Rivet	82402XX		For Transition Trim attachment to Panel



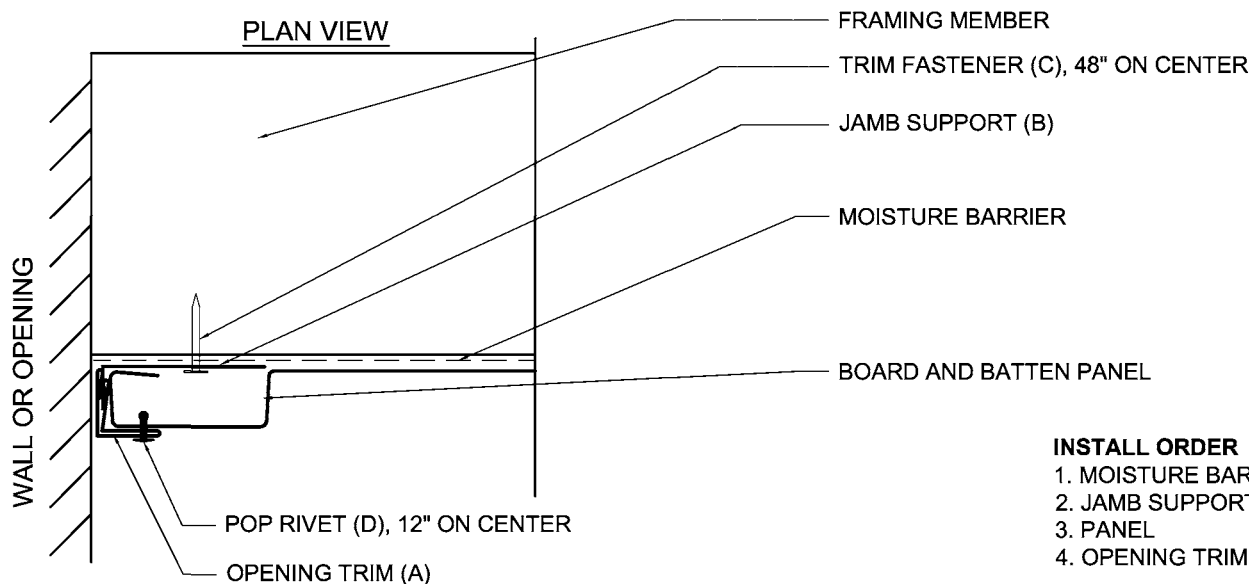
**INSTALL ORDER**

1. STARTER TRIM
2. LOWER, HORIZONTAL PANEL
3. TRANSITION 0.75"
4. UPPER, VERTICAL PANEL

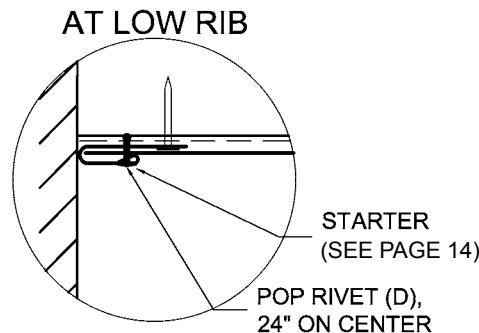
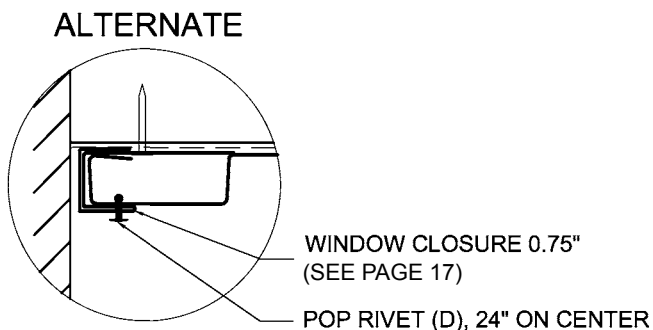
**OPTIONAL**



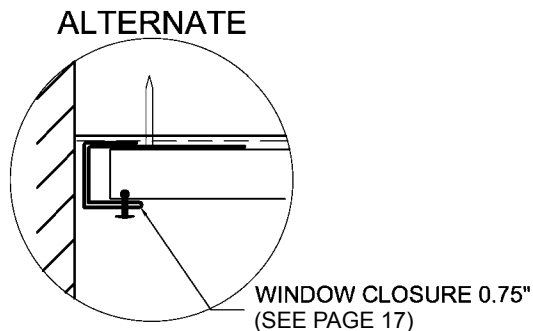
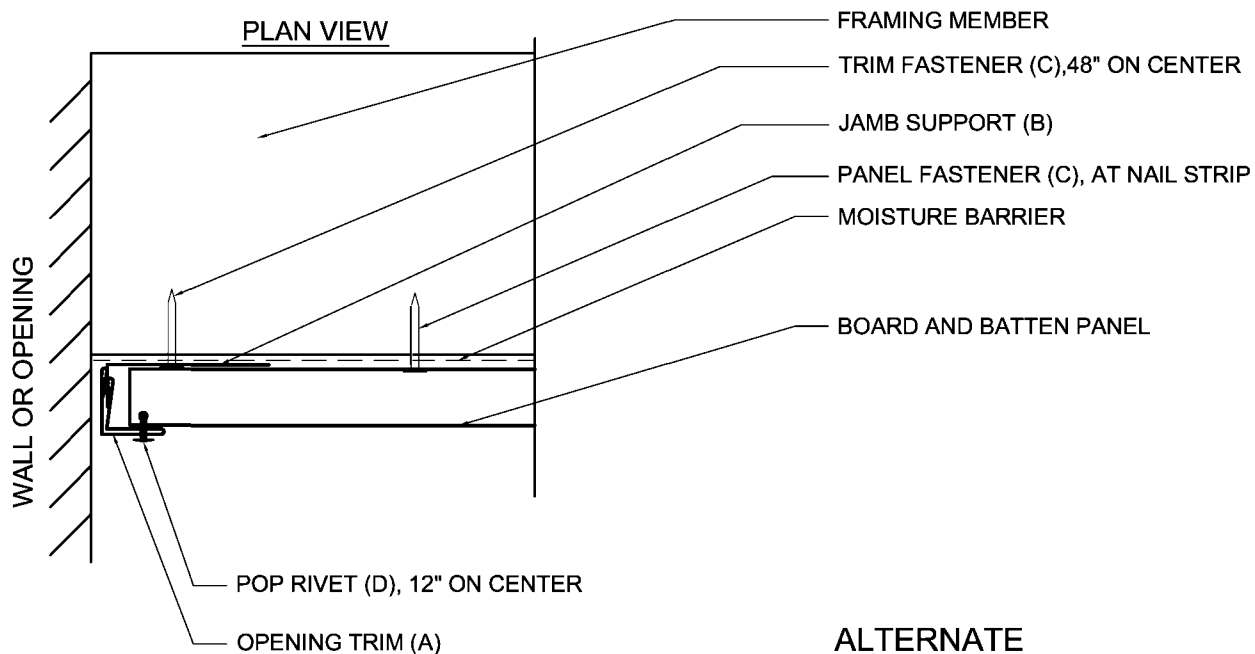
Part	Description	Product #	Length	Installation Information
<p><b>(A)</b></p>	24Ga Transition Trim	5553641 55536XX	10'-2"	Install Transition Trim over horizontal panel and attach with Pop Rivet.
<p><b>(B)</b></p>	#10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing
<p><b>(B)</b></p>	#10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing
<p><b>(C)</b></p>	1/8" x 3/8" Pop Rivet	82402XX		For Trim attachment to Panel



- INSTALL ORDER**
1. MOISTURE BARRIER
  2. JAMB SUPPORT
  3. PANEL
  4. OPENING TRIM 0.75"



Part	Description	Product #	Length	Installation Information
(A)  24Ga Opening Trim	5837741 58377XX	10'-2"	Engage Opening Trim onto Jamb Support. Attach to panel with Pop Rivets. Sealant may be needed at adjacent wall.	
(B)  24Ga Jamb Support	5735241 57352XX	10'-2"	Jamb Support and Opening Trim can ease the installation of panels as opposed to using C-Closures at both ends of a panel.	
(C)  #10-16 x 1" Pancake Head Driller	8242100	1"	For panel / trim attachment to steel framing	
(C)  #10-12 x 1" Pancake Head Wood Screw	8243100	1"	For panel / trim attachment to wood sheathing or framing	
(D)  1/8" x 3/8" Pop Rivet	82402XX		For trim attachment to panel	



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