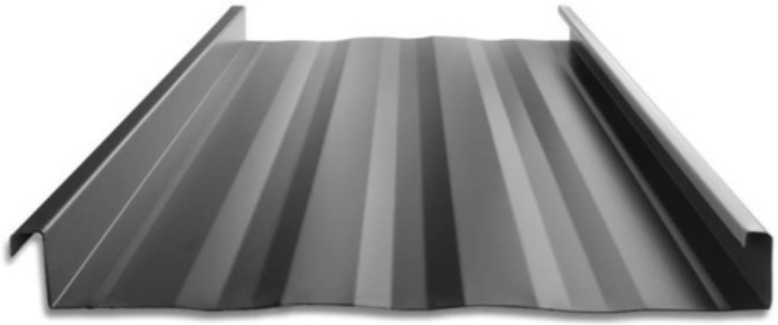
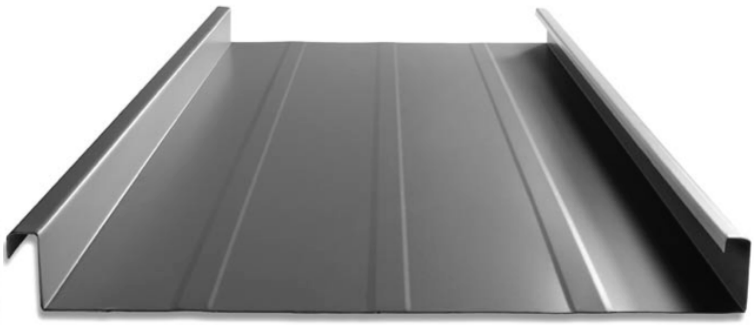
TAYLOR METAL PRODUCTS

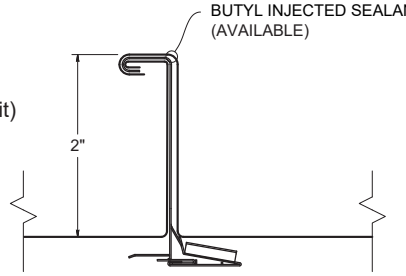
# MS-200™ Installation Guide

## with Standoff Clip and FM Global applications

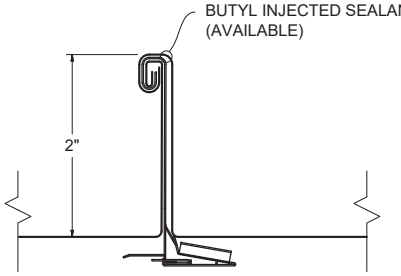




For slopes ≥ 2/12 (if engineering supports it)




**90° SEAM DETAIL**




**180° SEAM DETAIL**

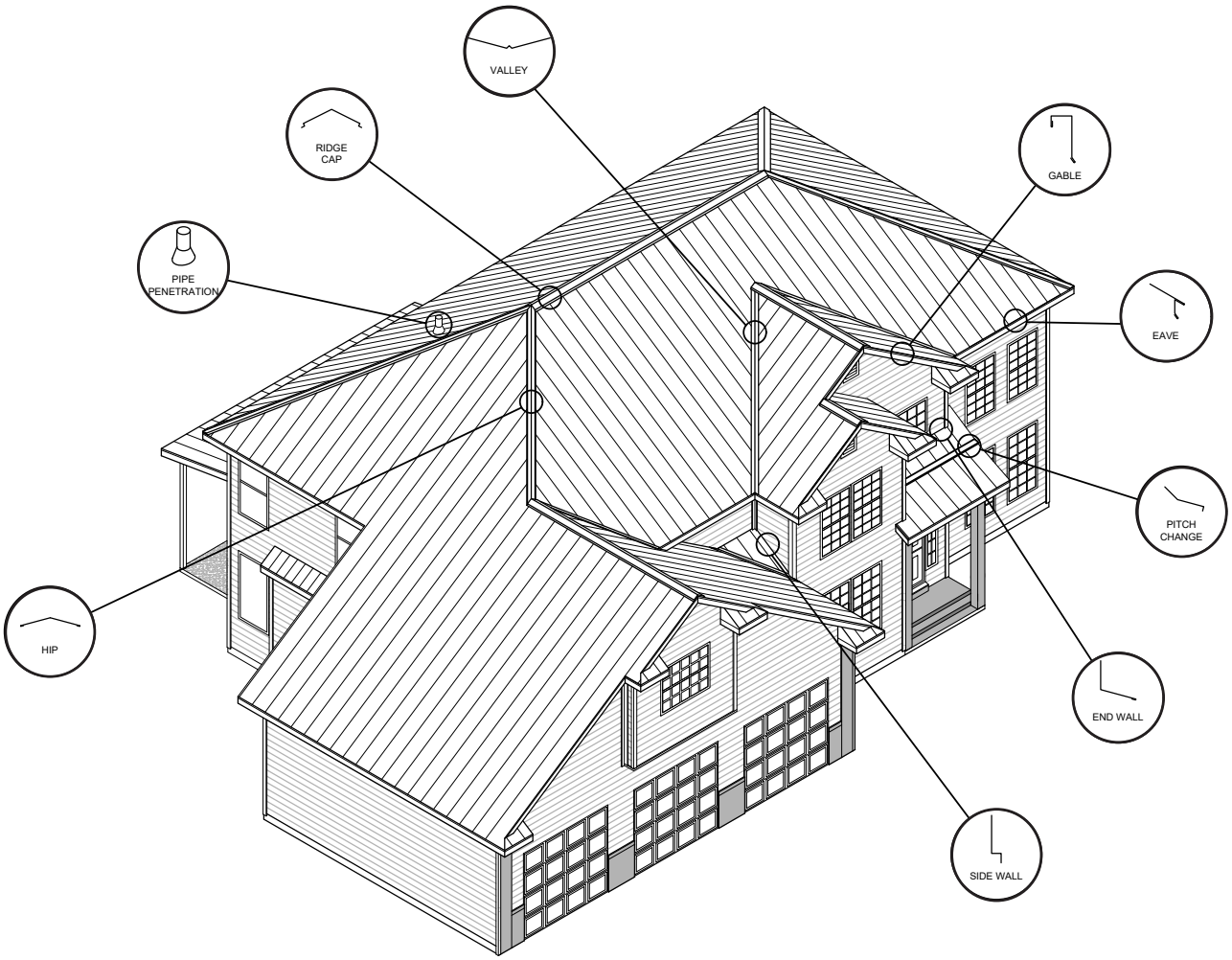
Required for Factory Mutual required projects (as tested)

For slope less than 2/12, FM projects, or if engineering requires the additional uplift strength per ASTM E1592

TAYLOR METAL PRODUCTS

# Table of Contents





# TAYLOR METAL PRODUCTS

# MS-200™ FM
## MECHANICALLY SEAMED

## KEY FEATURES

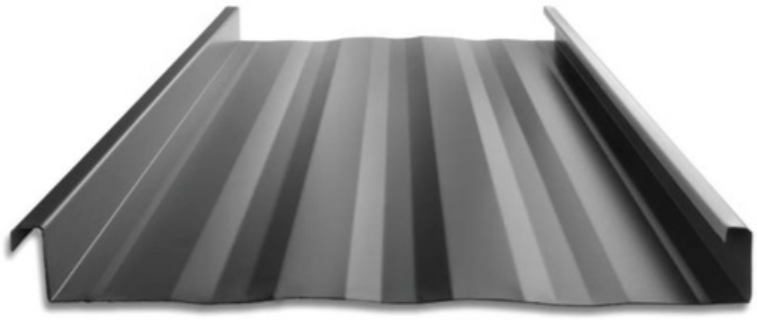
- 12", 14", 16" and 18" (for non-FM projects) options available
- 24 & 22 gauge Tru-Gauge™
- Floating clip system: allows for expansion/ contraction of panels in longer lengths
- 2" Mechanical seam rib, 180°: Factory notching available
- Factory injected Butyl sealant
- Structural panel that will span up to 5' over open purlins
- Concealed fasteners: fasteners cannot leak
- Manufactured in Riverside CA, Sacramento CA & [illegible] OR
- ICC-ESR #5046 with CBC-CRC Supplement
- FM Global Class #4471 Approved
- - Code compliance UL Evaluation Report UL ER 25913-01
- UL Construction No. 90, 176, 180, 238, 238 A-C, 435, 435 A, 437, 449, 451, 452, 487, 506, & 506 A-C
- UL 580 Class 90 Wind Uplift, UL 790 Class A Fire rated and UL 2218 Class 4 Impact (hail) rated
- Dade PA 201-94 Class 90 Impact,140 MPH Wind Uplift
- FM I-75 (60" o.c.)
  FM I-120 (24" o.c.)
- ASTM E283 - Air infiltration (walls)
  ASTM E331 - Water infiltration (walls)
  ASTM E1592 - Structural uniform static air pressure
  ASTM E1646 - Water infiltration (roof)
  ASTM E1680 - Air infiltration (roof)
  ASTM E2140 - Water test for full immersion hydrostatic roof systems
- Weather tightness warranty available
  *(Contact TMP representative for details)*
- 1/2:12 minimum pitch recommended
  *(For lower pitches, please inquire)*
- Standard panel lengths 5' to 60' - not notched
  Standard panel lengths 1' to 60' - notched
  *(For longer panel lengths, please inquire)*
- On-site roll forming available for long lengths
- Panel options: Striations, Accent Ribs, and Flat Pan
- Retro-fit systems available


- Prevents crowning
- No visible screws required
- Sharp, professional appearance

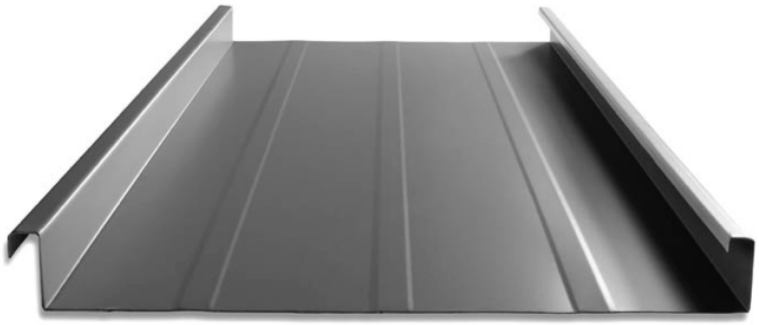
## PANEL PROFILES

ICC-ESR #5046

12", 14" and 16" coverage options

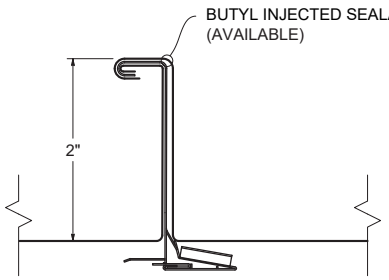


**STRIATIONS**

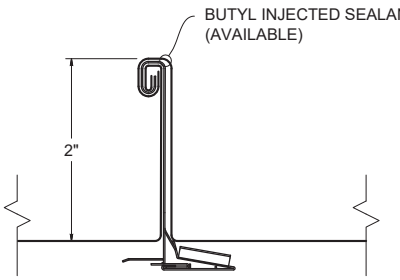


**ACCENT RIBS** 2 Accent ribs for 12" & 14" panels
3 Accent ribs for 16" panel

Standoff Clip 2-3/8" (shown) and 3" clips available for use with thermal blocks




**90° SEAM DETAIL**




**180° SEAM DETAIL**

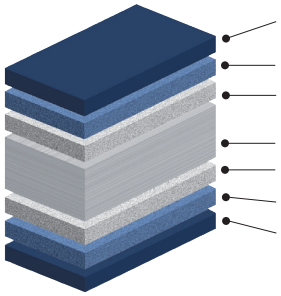
TAYLOR METAL PRODUCTS

## MATERIAL SPECIFICATIONS

- 24 Tru-Gauge™ Kynar 500® Painted Steel
- ▲22 Tru-Gauge™ Kynar 500® Painted Steel
- ✦ .032” Kynar 500® Painted Aluminum
- 24 Tru-Gauge™ G-90 Galvanized or AZ-50
- 24 and 22 Tru-Gauge™ bare Zincalume® Plus AZ-55 *(No finish warranty – 25 yr. perforation warranty)*
- G-90 Galvanized or AZ-50
- .040” Kynar 500® Painted Aluminum (please inquire)
- 24 Tru-Gauge™ Bonderized
- 22 gauge Rusteel Plus™ (A606)
- Custom 20 & 18 Tru-Gauge™ and .050” and .063” Aluminum (please inquire)
- 16 OZ & 20 OZ Real Copper
- Kynar 500® and substrate testing data available (See website)

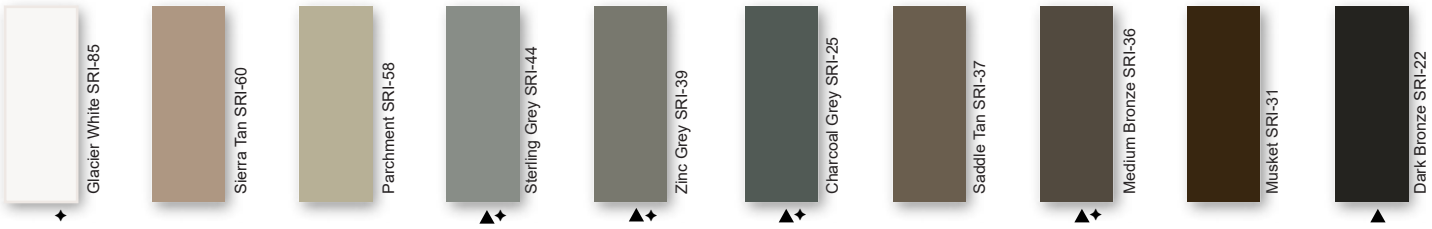
## FINISHES

- 21 Standard Colors, 5 Metallic Colors and 4 Specialized Colors
- Kynar 500® Paint System - the ultimate in exterior durability and color retention
- “Cool” color pigments are specially designed to reflect infrared light, reducing heat gain to dwelling, and conform with ENERGY STAR® criteria
- Superior quality, two coat, 70% resin finish, applied at a 1 mil. thickness
- 40 year residential paint warranty
- 20 and 30 year commercial paint warranty: Contact TMP for warranty specifications
- “Oil Canning” is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection

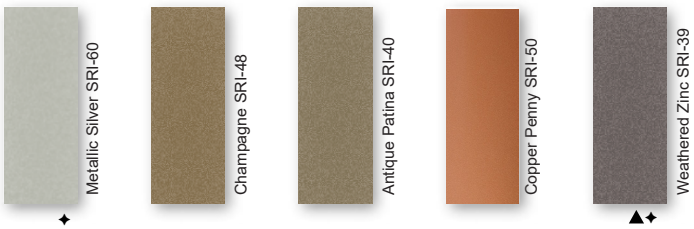



## STANDARD COOL KYNAR 500® COLORS

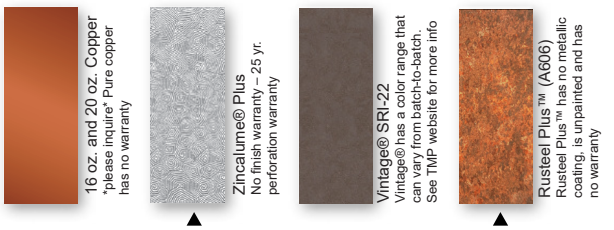
▲22 Tru-Gauge™ ✦.032 Aluminum




## PREMIUM METALLIC COOL KYNAR® COLORS




## SPECIALIZED MATERIAL




These printed chips provide a close representation of the colors.

Metal samples are available upon request. Coatings are low gloss 10-15% sheen.
*SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.***Oil canning is not a cause for material rejection****

steelscape

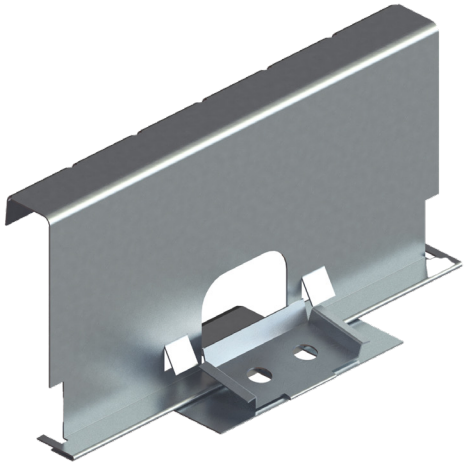
# Standoff / FM Floating Clip

## Factory Mutual (FM Global) Project Requirements/Notes

- WTW GUIDELINES - FM projects may or may not require manufacturer's weathertightness warranties. Refer to project specifications for warranty requirements.
- ROOF SLOPE - Minimum slope for FM projects is 1/2" in 12"
- SEAM TYPES - MS-200, 180 degree seam required for FM projects
- REQUIRED UNDERLAYMENT - FM has no requirement for underlayment. If a manufacturer's weathertightness warranty is specified, consult TMP rep. for required underlayments.
- ENGINEERING/CALCULATIONS - FM does not require engineering. Follow test method for fasteners and frequency of clip attachment.
- TRAINING - FM does not require training or shop drawings. TMP weathertightness warranties require approved applicators, attachment & drag load calculations, and shop drawings.
- INSPECTION SCHEDULES/FREQUENCY - FM does not require inspections. TMP requires weathertightness warranties inspections by the TMP Technical Representative.
- FM PROJECTS - PROPER FORM/INFORMATION/DOCUMENTATION - See attached. FM projects require documentation about the material used and panel formed.
- FM Approved Clips and fasteners required for FM specified projects.
- FM standing seam panels will be 16" or narrower in width.

**SFS 3/8" (2-3/8" overall) Standoff Floating Panel Clip w/ injected sealant**
**SFS 1" (3" overall) Standoff Floating Panel Clip w/ injected sealant (for use with 1" thermal blocks)**

**2-3/8" Clip shown below**



**FM Approvals Class: 4471**
**Factory Mutual Rated: 1-120/1-75 A SH (Wind Uplift)**
**Per FM Testing Criteria clip spacing:**
**Clip spacing 24" OC 120 PSF**
**Clip spacing 60" OC 75 PSF**
**FM Testing criteria based on 24ga 16" wide panels.**
**Additional panel widths available in 12" & 14"**

## Notes to Designer/Installer

**Taylor Metal Products** is providing the following details as an aid in design. The details in this guide are not inclusive to all design situations. The designer/installer is responsible for modifications and should take into consideration all aspects of the project including climate conditions, such as, snow and wind, as well as, building code requirements, building design, building usage and maintenance requirements.

Installation should be performed only by qualified installers familiar with metal roofing systems and industry standards. For details not shown in this guide, refer to the Sheet Metal and Air Conditioning Contractors National Association (SMACNA) architectural sheet metal manual for proper design. For manufacturer's weather tightness warranties – all details must be preapproved by Taylor Metal Products technical representative.

The Standard gauge for all products in this guide is 24 gauge and the standard finish is Kynar 500®. We recommend specifying all flashings be the same gauge, color, and finish as the panels to insure long-term durability and color match.

### Substrates

Details in the manual are all shown over solid substrate. **MS-200™ FM** can be used over spaced purlins. For solid substrate, **Taylor Metal Products** recommends 15/32" plywood or metal decking. Contact a TMP representative with questions about panel attachment to varying substrates.

### Underlayment

Minimum underlayment requirements are a synthetic underlayment with Class A and ASTM UV protection technology or TMP Blue Armor/SAM-HT self-adhering rubberized membrane. When choosing the underlayment, consider the roof slope, roof design, roof panel, and the climate.

### Drag Load Requirements

All panels must be pinned at one end to resist the drag load caused by snow loads, live loads, and the weight of the panel. Drag load is a function of roof slope, actual load and length of panels. Contact **Taylor Metal Products** for specific drag load requirements.

# Notes to Designer / Installer

## Ventilation/Insulation

It is the responsibility of the designer to determine the material types needed to control condensation and to insulate and ventilate the roof system. Applications over rigid insulation may require blocking for solid attachment and framing the perimeter for installation of perimeter flashings.

## Oil Canning

Flat metal surfaces will display waviness commonly referred to as “oil canning.” Oil canning is caused by a variety of conditions. Steel mill tolerances, variations in or uneven substrates and roofing underlayments. Oil canning is a characteristic of metal roofing, not a defect and is not a cause for rejection. **Taylor Metal Products** offers **MS-200**™ with striations or accent ribs to help minimize oil canning.

## Thermal Movement

The Panels and the flashings must be allowed to expand and contract, especially with longer length panels. The panel may need to have a slight gap where the panel hooks the offset cleat to allow for thermal movement of the panels.

## Snow Design

The following details do not address all conditions for snow environments. Consult with the designers, engineers, and others for acceptable details to accommodate your project and climate conditions. When possible; gutters, valleys, pitch changes or other penetrations should be minimized in snow areas.

All roof penetrations should be located as close to the ridge or “pin point” top of roof. Snow country requires special designs for valleys to accommodate accumulation of snow and ice from uphill panels. Roof design should be considered in snow areas. Roof design should help resist the melting and freezing of snow and ice.

A fit for purpose roof design has the greatest impact on maintaining a damage free roof system in snow areas. Please contact a Taylor Metal Products representative for assistance in detail designs and appropriate panel selection for specific climate and building conditions.

## Handling / Storage & Safety

Handle materials with care when off-loading or moving materials to avoid damage to panels or flashings. Long panels may require two or more pick-up points, properly spaced, to avoid damaging panels. Plan ahead; contact Taylor Metal Products for recommendations on handling/hoisting long panels.

Store the panels, flashings and accessories in a dry, well ventilated area, off the ground. If covering, allow ventilation around panels. Elevate one end of bundle to allow drainage of wet materials.

Wear clean, soft-soled shoes when walking on roofing panels to avoid damage to the painted finish.

Take care that sand, gravel, dirt, etc. sticking to your shoes is not carried onto the roof, scratching or otherwise damaging the finish on the roofing material. Walking on asphalt impregnated felt paper, especially on a hot day, can cause the asphalt to stick to your shoes and be tracked on to the roofing material.

Take care when painting to avoid getting over spray on the roofing material. Remember that wind can carry paint particles some distance. Over spray can cause the finish of the roofing material to look dull and may void your warranty.

Secure materials, especially when leaving the site, on the ground or roof to prevent winds from moving the materials. Wind-blown materials may cause damage to the material, property or persons.

Always use proper safety equipment and attire to minimize risk of cuts or other injuries.

Do not walk on panels that have not been completely installed.

Do not walk on major ribs of panels.

Metal roofs that are wet or dusty can be extremely slippery. Wear soft soled shoes and a safety harness to minimize risk of falling.

Avoid installing metal panels in windy conditions.

Safety considerations are the responsibility of the installer and his crew. Be sure to and **use common sense** generally accepted safety practices when installing roofing materials.

# Taylor Delivery Fleet

## Delivery Fleet

Taylor Metal Products prides itself with quick lead times delivered with our fleet of semi trucks. Our fleet of trucks are owned and operated by TMP.  All of our drivers are Taylor Metal Products employees, so when your truck rolls in to deliver, you are dealing with Taylor Metal Products.

Expect consistant and exceptional service with short lead times. The inhouse fleet allows for efficient and cost-effective delivery.



Mounted on the rear of our truck's trailer, the trailer-mounted "Piggy-Back" forklift will accompany you right to your place of use, opening up unprecedented possibilities in terms of transportation. It can travel sideways, carrying panels up to 40' long, allowing delivery in locations that would typically be considered impossible to reach.

Save time and effort while avoiding potential loading and transport issues; have experienced TMP personnel deliver and unload your order.

# Delivery, Will Call & Loading

## Delivery

We will make every attempt to deliver material to the desired location. We may be unable to gain access on tight corners or steep terrain. If the site is deemed inaccessible by our driver, the customer may choose an alternate delivery site within a reasonable proximity. If we are unable to make the delivery, additional charges may be assessed.

The customer is responsible for:

- Determining adequate access for delivery ahead of time.
- Meeting the delivery at the agreed upon time.
- Providing adequate resources (1-4 people as needed) for off loading materials.
- **A charge of $100 per hour may be added for deliveries that go beyond their allotted time**
- Checking the shipment at the time of delivery.
- Verifying material quantities against the shipping/packing list.
- Noting any damage or discrepancies upon the paper work at the time of delivery and notifying Taylor Metal Products within 48 hours of delivery.

Delivery times are usually scheduled one day in advance. Taylor Metal Products will make every effort to make the delivery at the scheduled time. Please be aware that there may be conditions beyond our control such as traffic, mechanical failures, road closures, etc. which may affect our schedule.

## Will Call & Loading

Flatbed trailers and trucks are best suited to transport metal roofing materials. These can be loaded from the side with a forklift and tied down in a safe and secure manner.

We are not able to load materials onto vehicles and/or trailers which are not suitable or may be hazardous to load. Please be aware that if we find a vehicle to be inappropriate, we reserve the right to refuse to load your order.

> Unacceptable examples include: boat trailers, vans, buses, motor homes, campers and box trailers. Pickup racks which do not have sufficient supports for the weight or are not long enough to support bundles are also unacceptable.

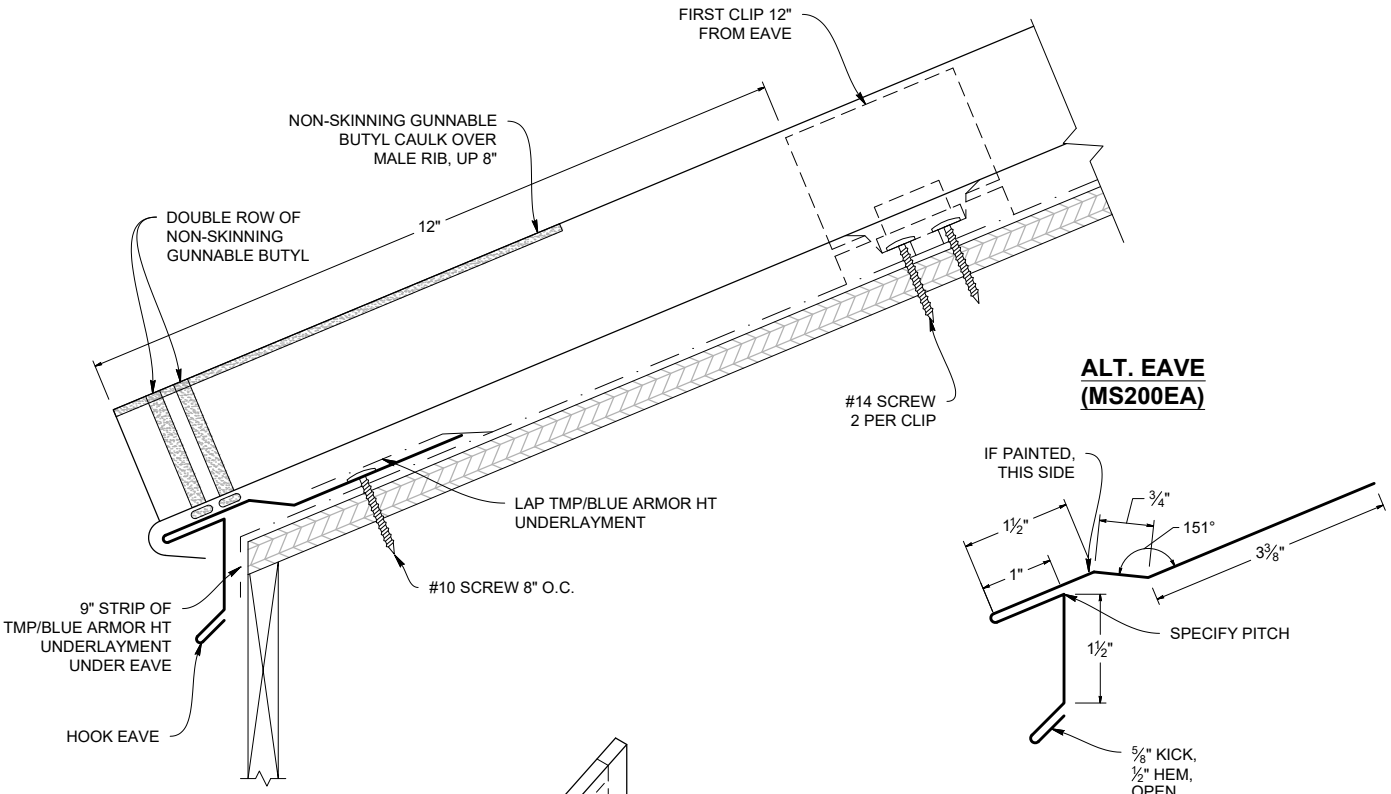
Taylor Metal Products is not responsible to tie down loads nor do we provide any tie down materials. Please bring tie downs to secure your load (string or twine are **not** acceptable for this purpose).

**Consider having your order delivered on one of our trucks with a piggy back forklift.**

# Alternate Eave
## – Use With FM Clip

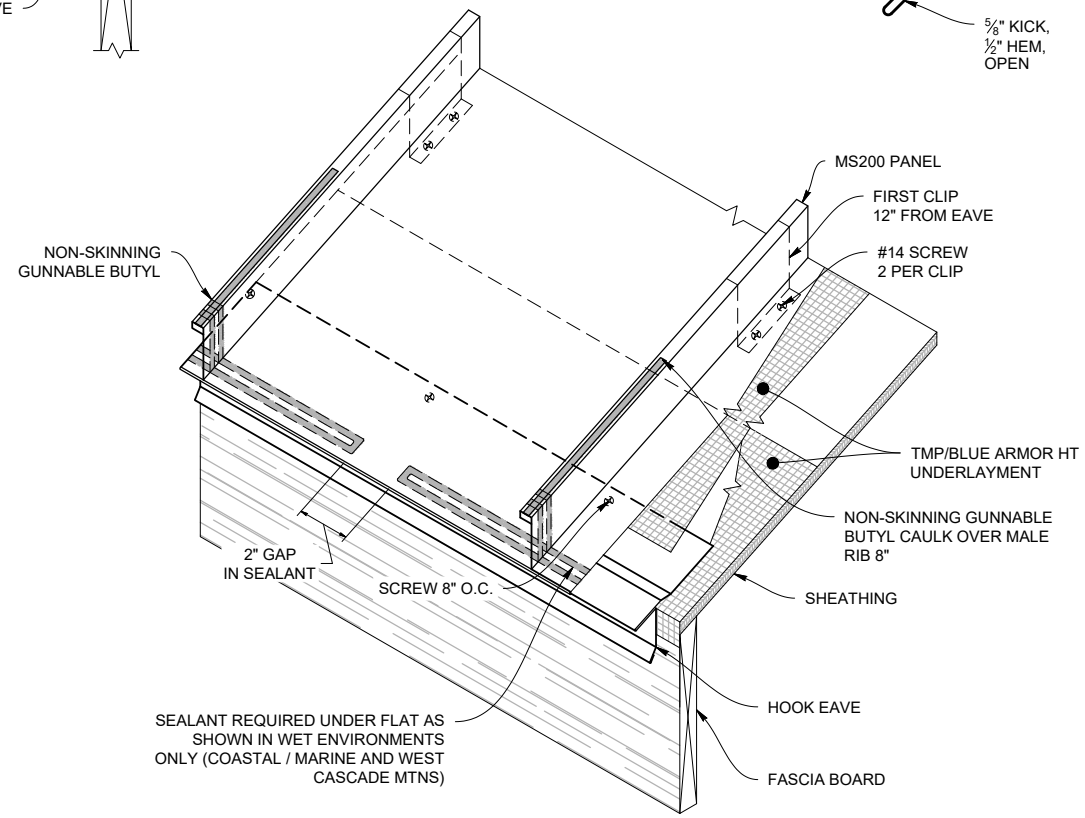
TAYLOR METAL PRODUCTS

**ALT. EAVE DETAIL**




**ALT. EAVE (MS200EA)**

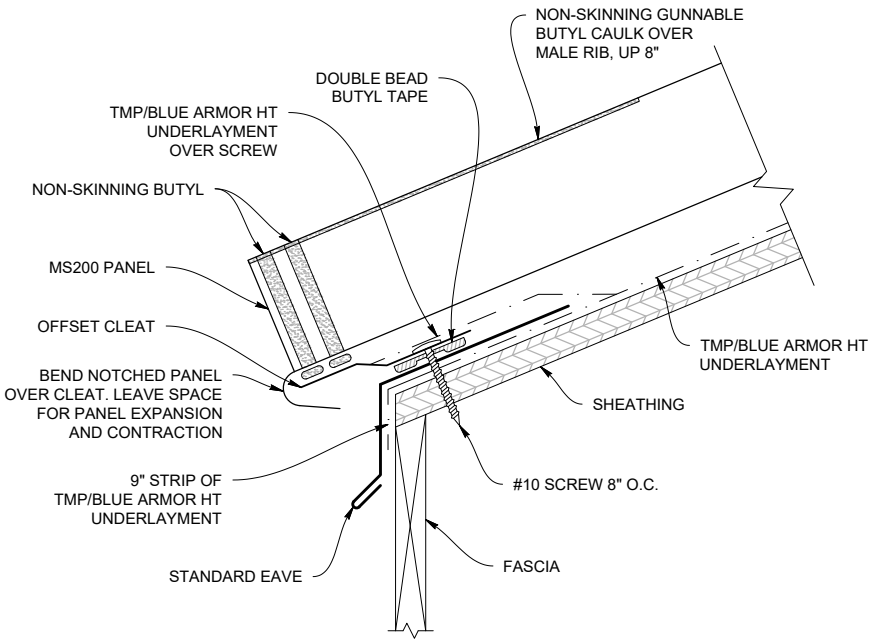


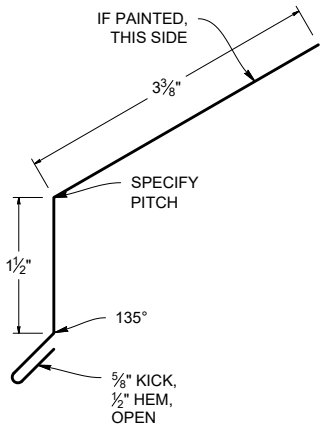

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Standard Eave

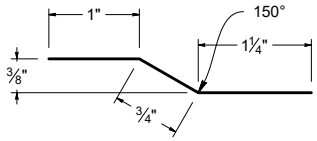
## STANDARD EAVE DETAIL

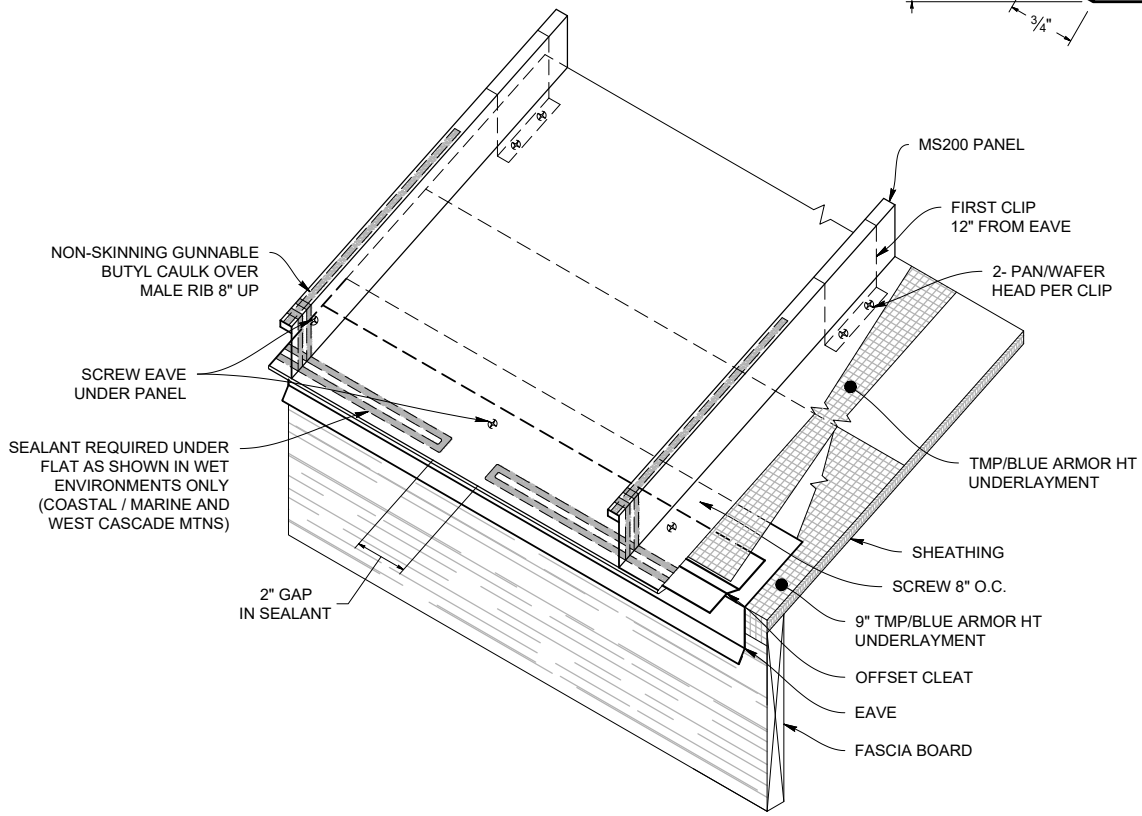



## STANDARD EAVE (MS200ES)




## OFFSET CLEAT (MS200FMOC)



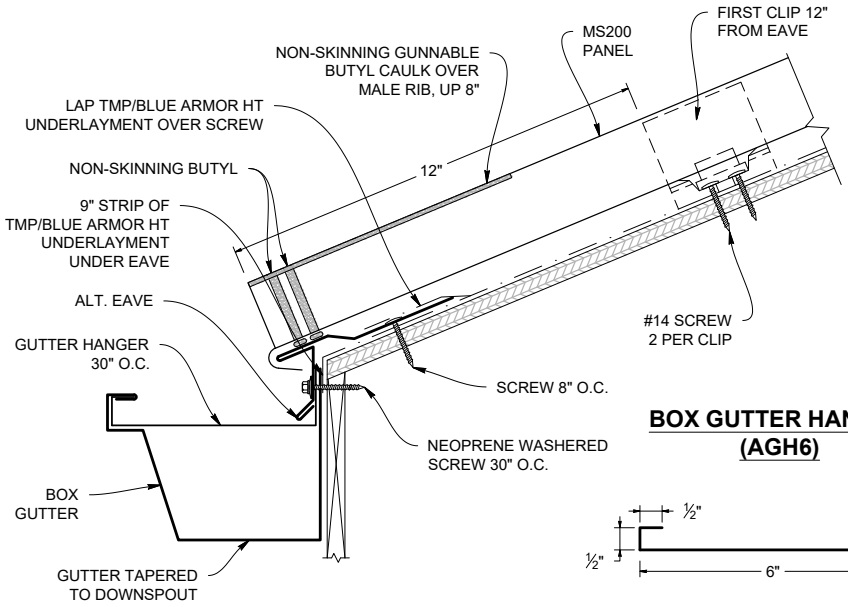




**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

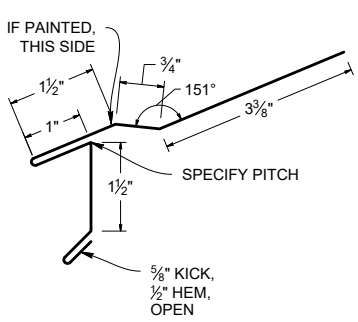
# Gutter / Hook Eave

TAYLOR METAL PRODUCTS

**ALT. EAVE WITH GUTTER DETAIL**



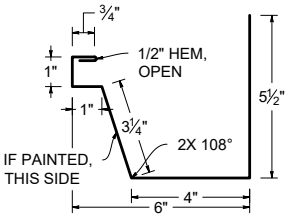

**ALT. EAVE (MS200EA)**

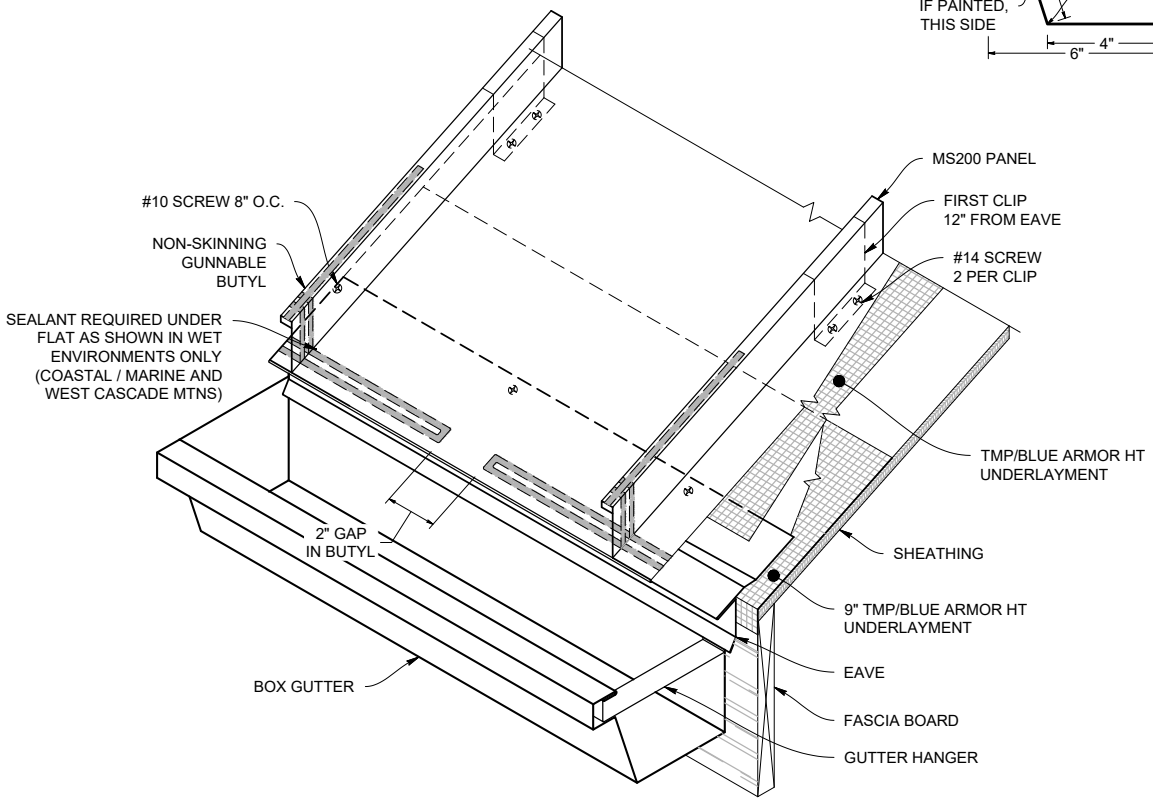



**BOX GUTTER HANGER (AGH6)**




**BOX GUTTER (MS200BG)**

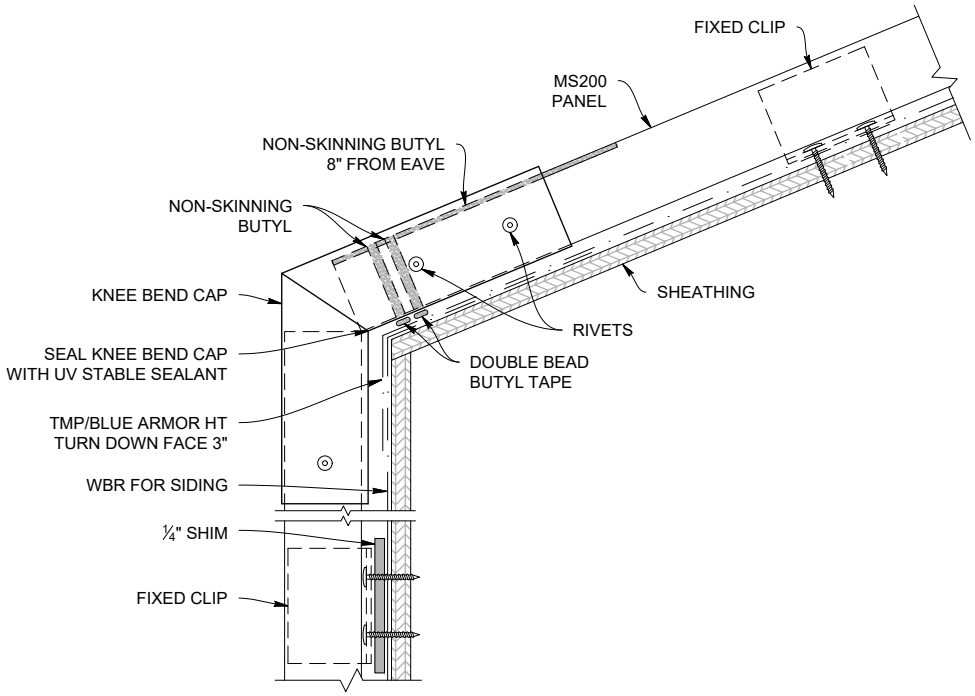


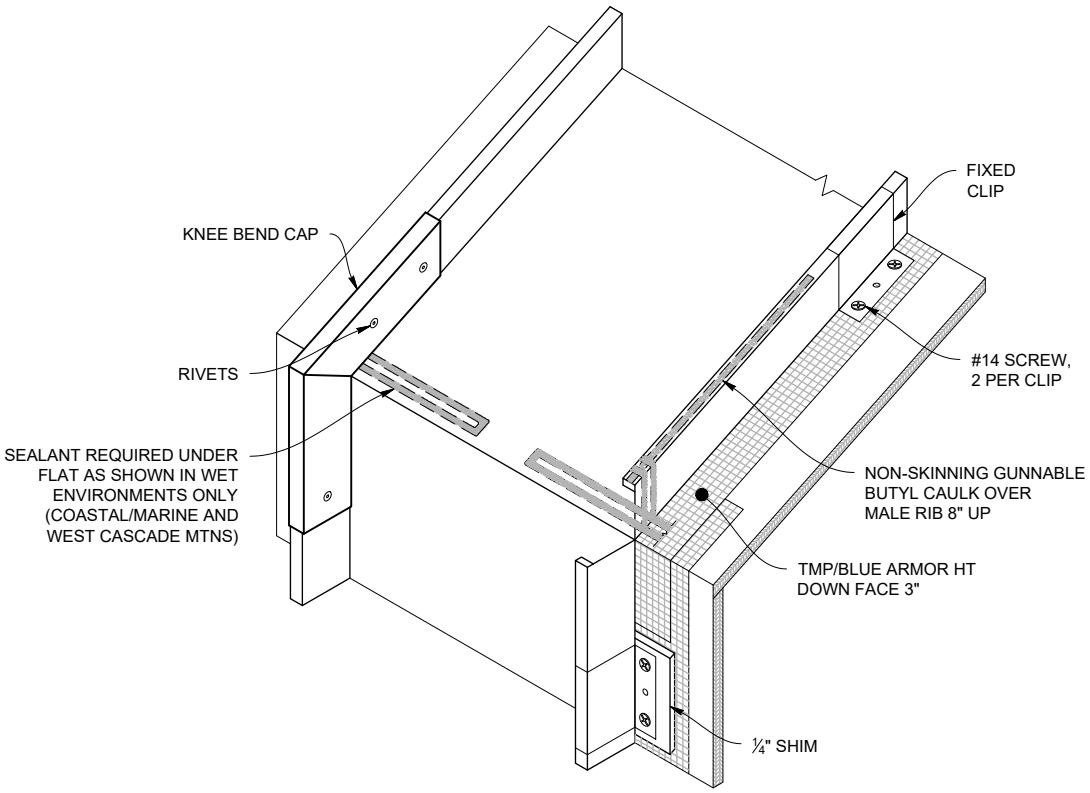

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Knee Bend

## KNEE BEND

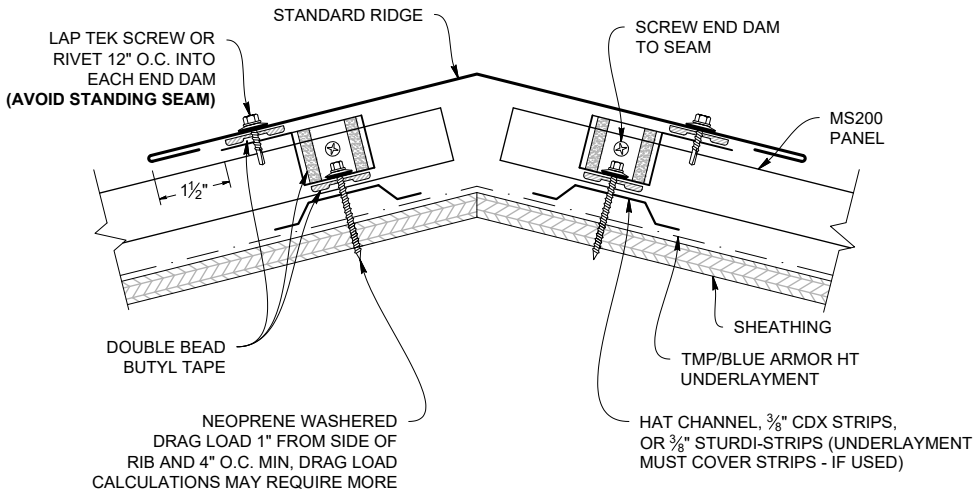



## KNEE BEND DETAIL

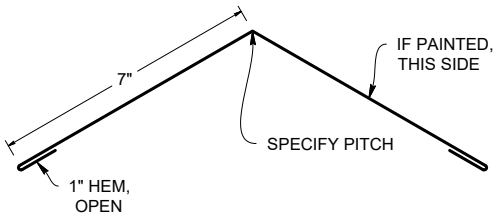


# Standard Ridge

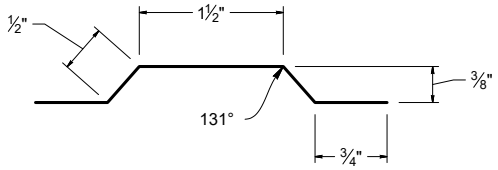
## STANDARD RIDGE DETAIL



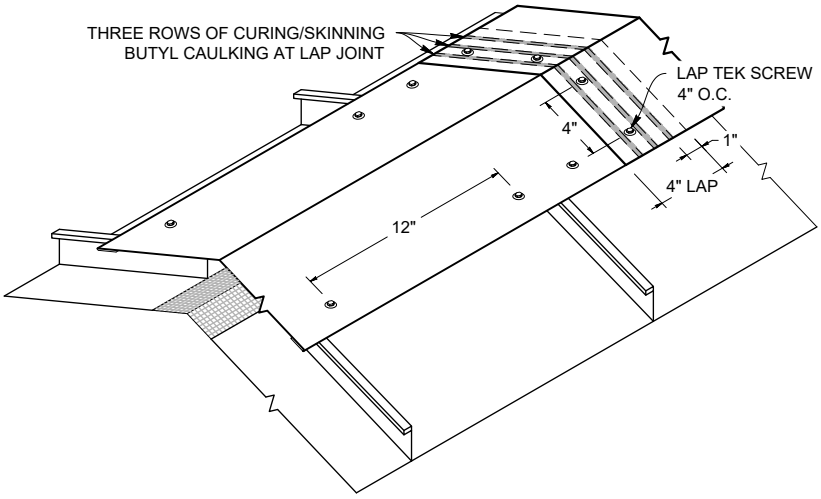

## STANDARD RIDGE (MS200RS)




## HAT CHANNEL FLASHING



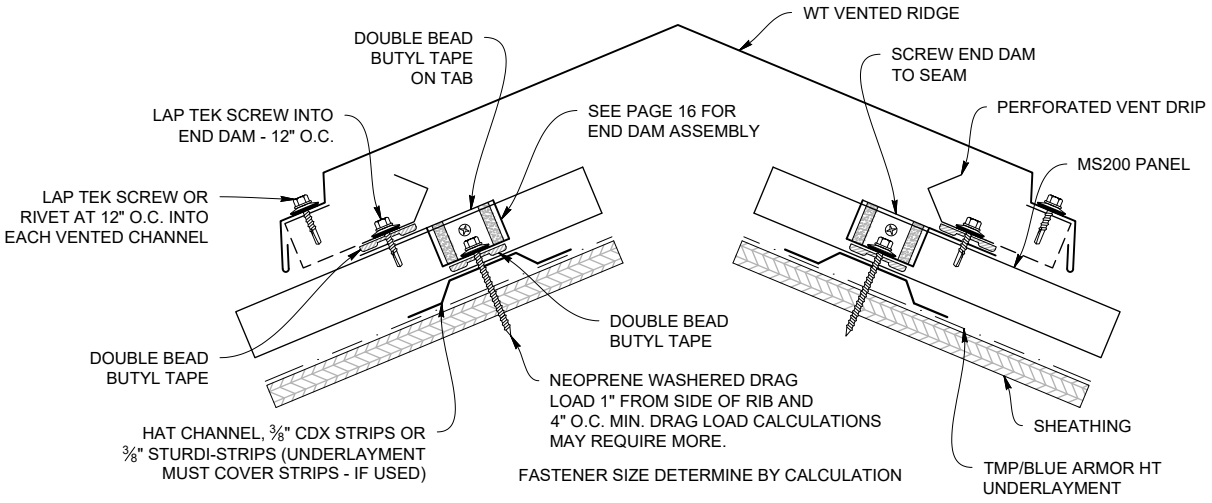

## STANDARD RIDGE LAP



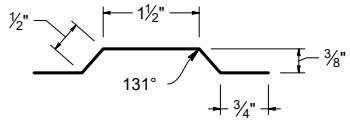

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Vented Ridge

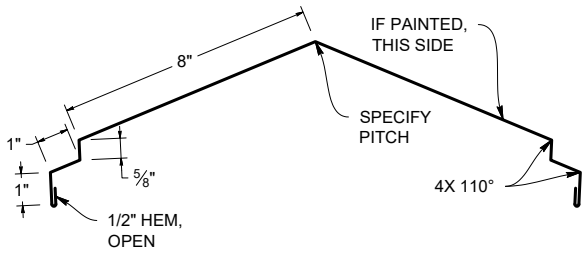
## WT VENTED RIDGE DETAIL



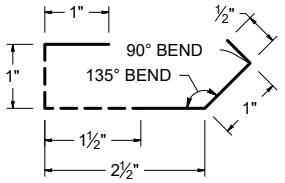

## HAT CHANNEL FLASHING



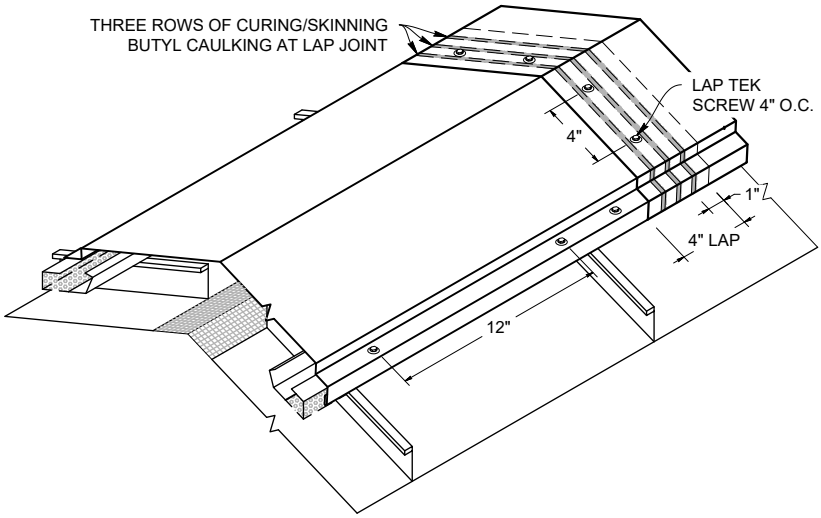

## WT RIDGE FULL VENTED ( MS200WTRFV )




## PERFORATED VENT DRIP ( MS200PVD )

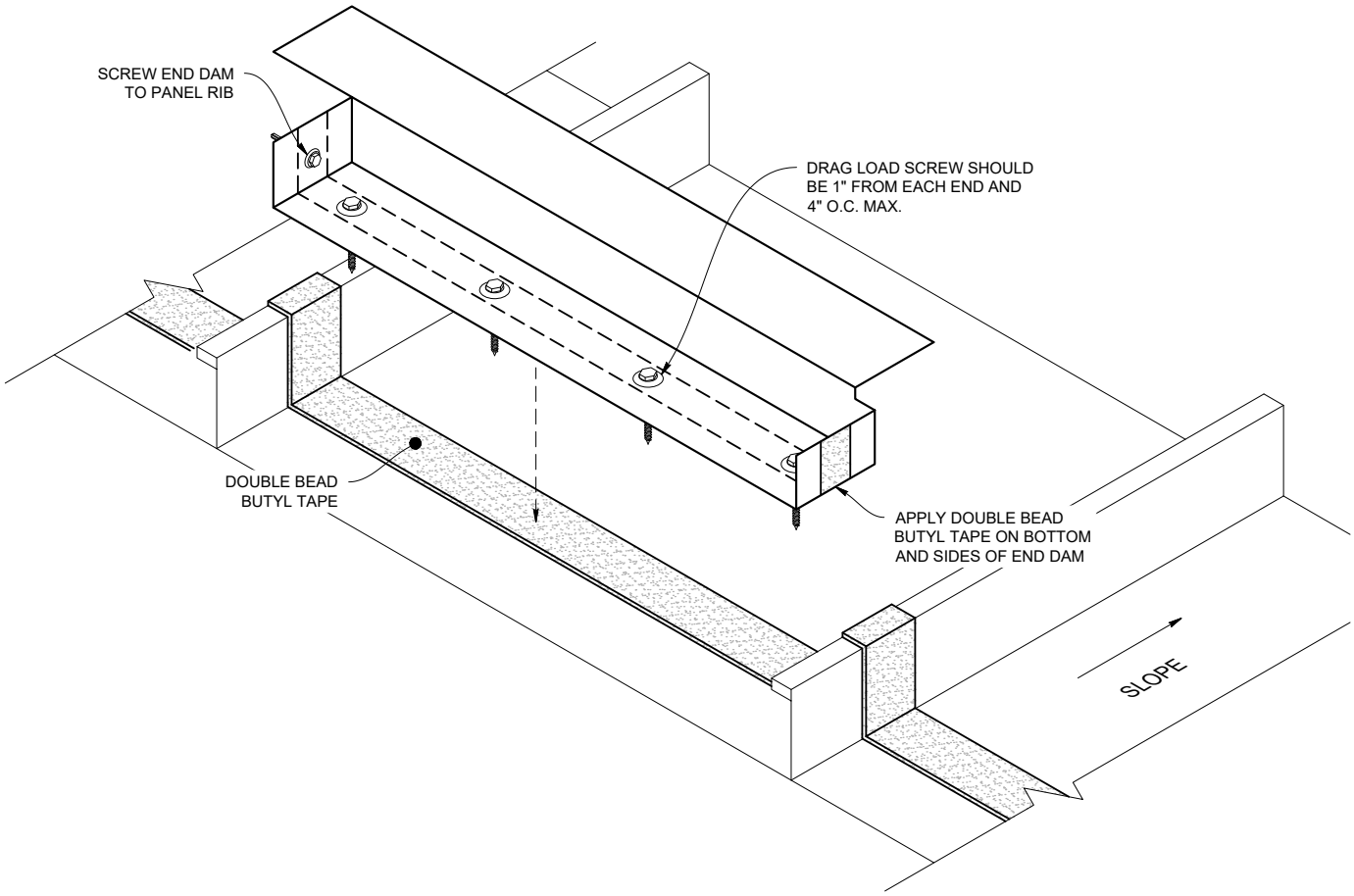


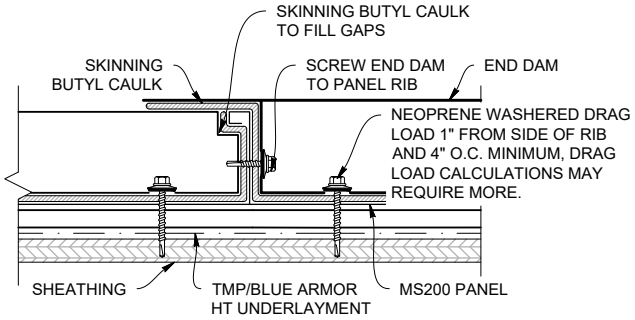

## VENTED RIDGE LAP

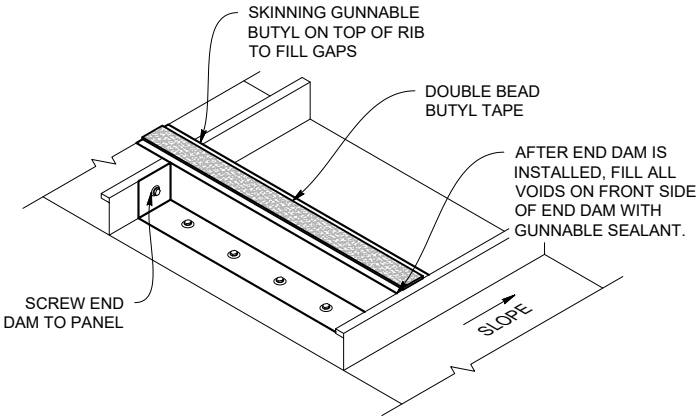



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# End Dam Attachment



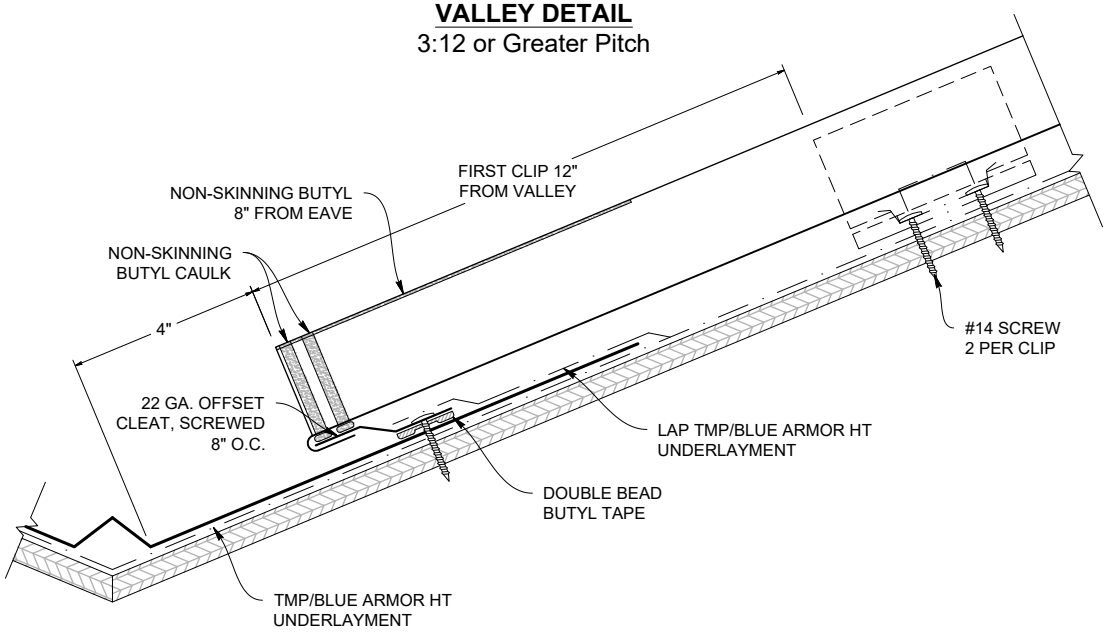



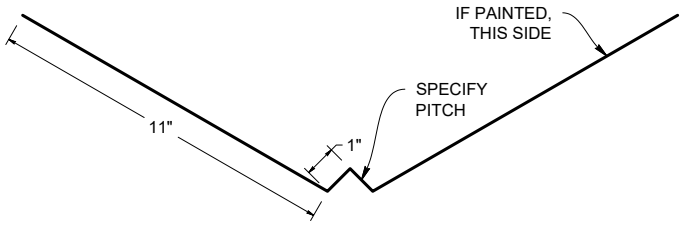

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Valley
## Slope 3:12 or Greater

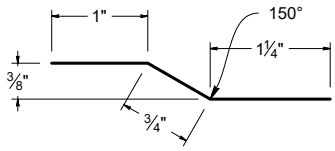
**VALLEY DETAIL**
3:12 or Greater Pitch




**VALLEY**
**(MS200VF)**

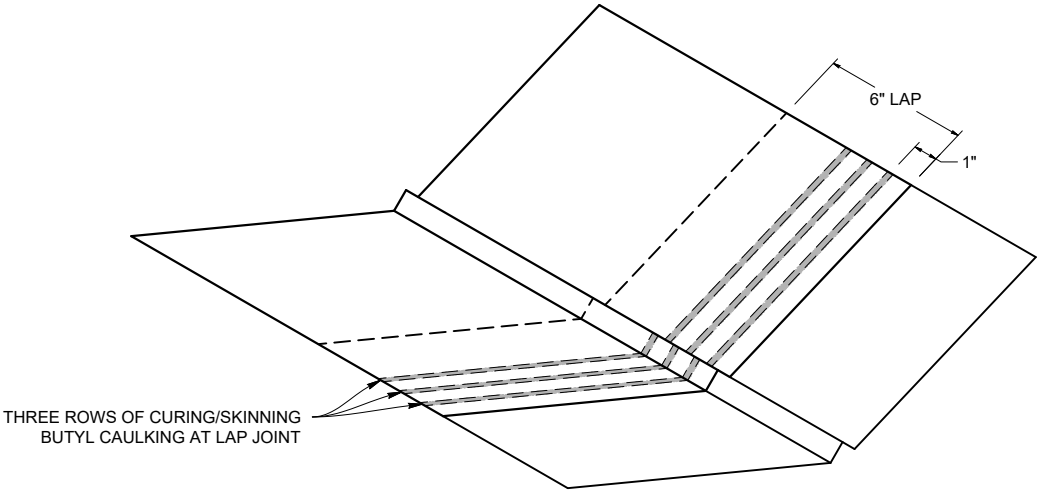



**OFFSET CLEAT**
**(MS200OC)**




PITCHES UNDER 3/12 REQUIRE 23" RETURNS

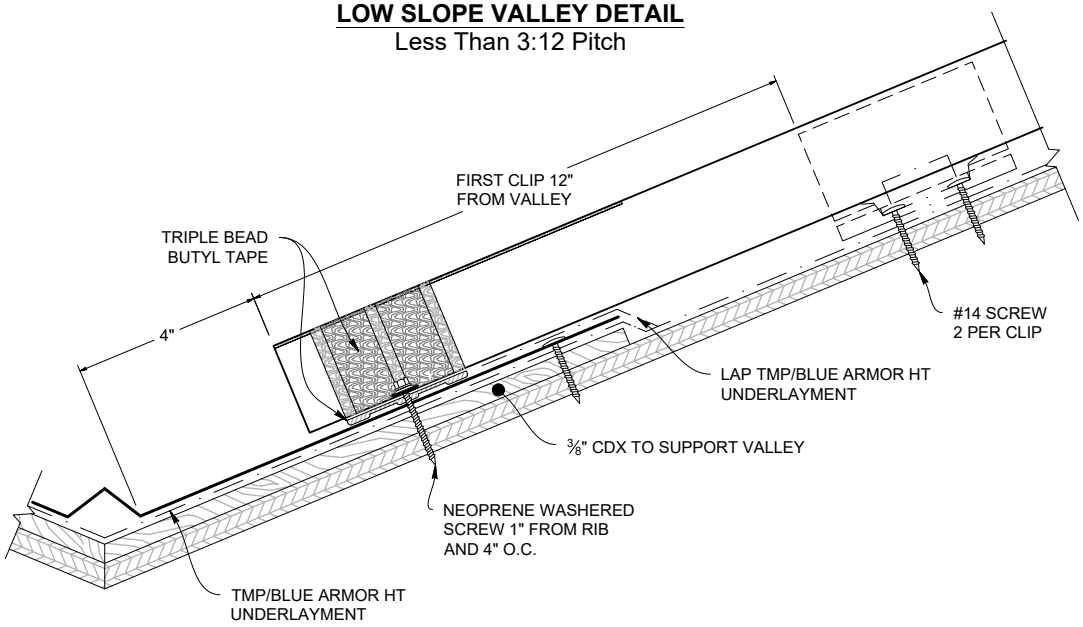
**VALLEY LAP**
3:12 or Greater Pitch



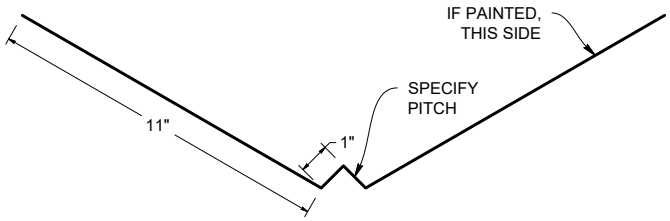

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Valley - Low Pitch
## Slope Less than 3:12

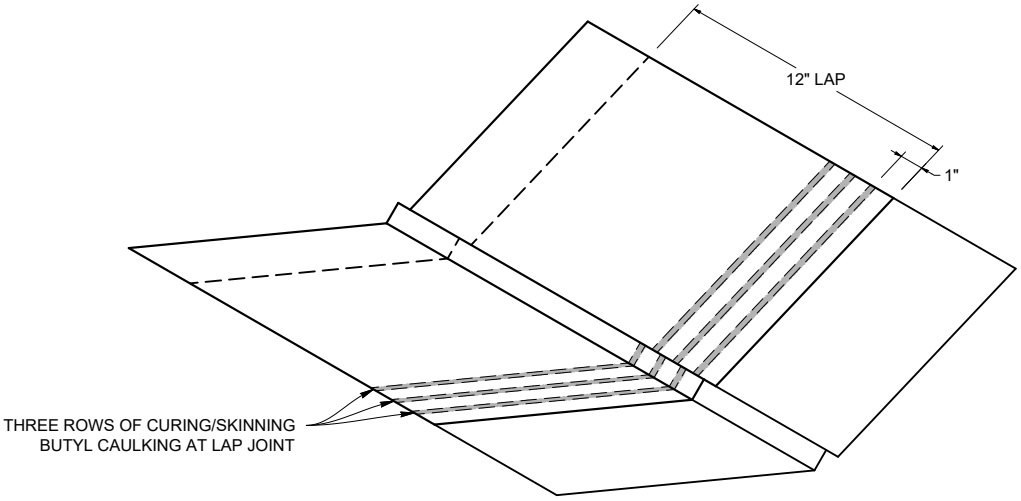
**LOW SLOPE VALLEY DETAIL**
Less Than 3:12 Pitch




**VALLEY FLASHING**
**(MS200VF)**



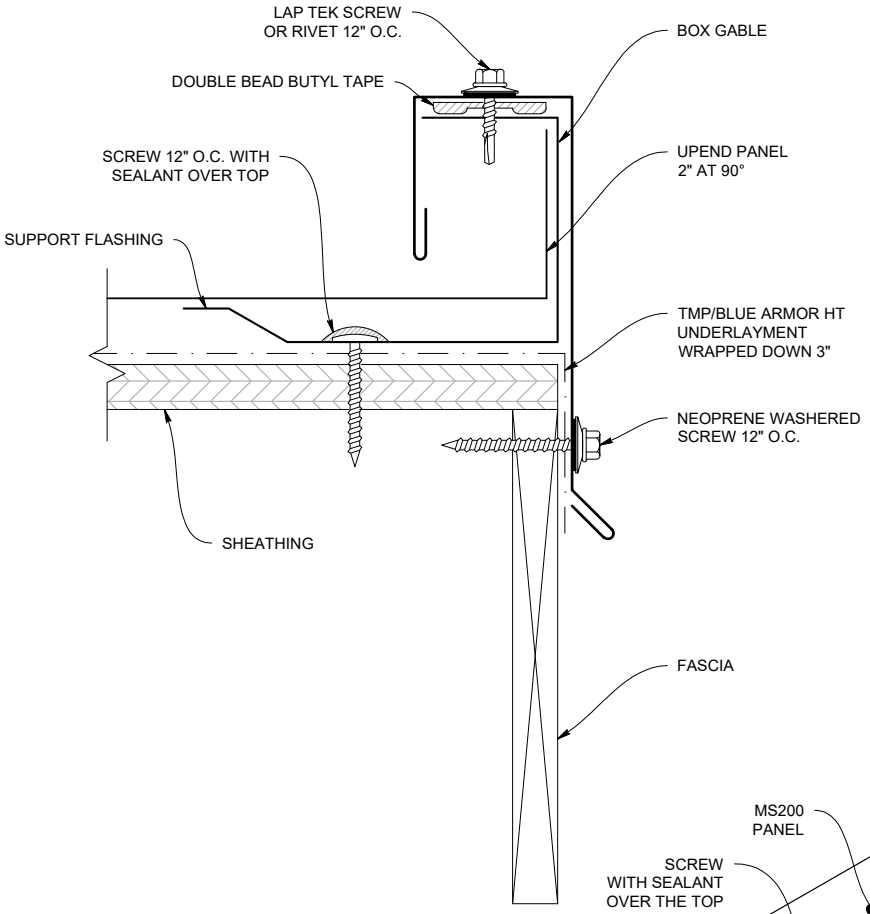

**LOW SLOPE VALLEY LAP**
Less Than 3:12 Pitch



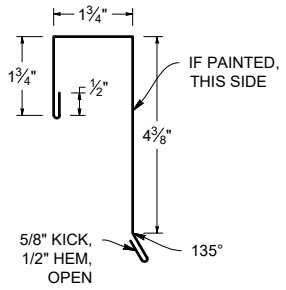

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Box Gable

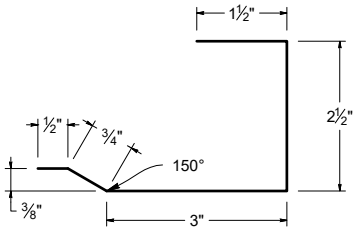
## BOX GABLE DETAIL

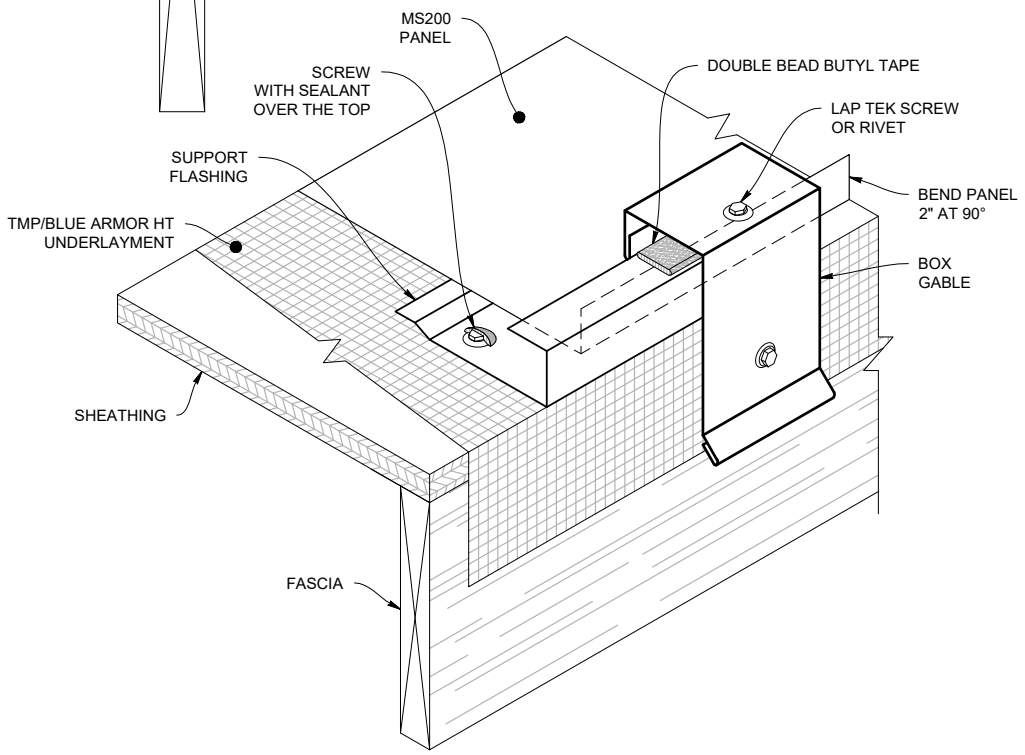



## BOX GABLE (MS200GB)




## SUPPORT FLASHING (MS200SF)

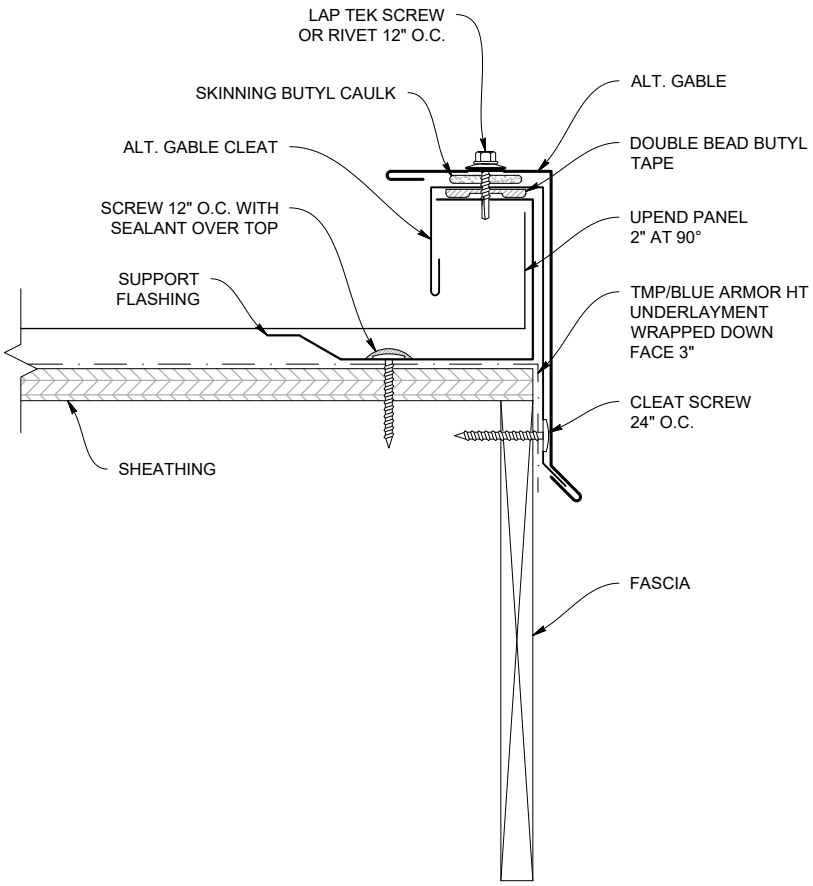


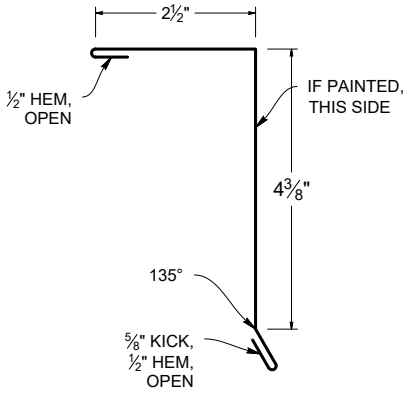

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Alternate Gable

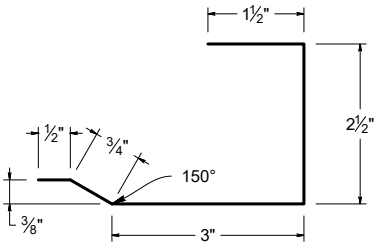
## ALTERNATE GABLE DETAIL



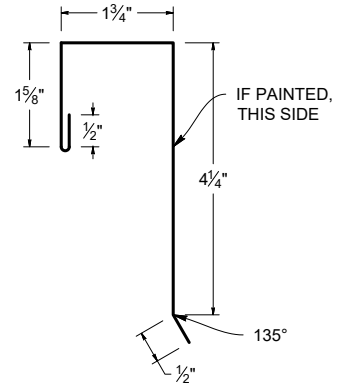

## ALTERNATE GABLE (MS200AG)




## SUPPORT FLASHING (MS200SF)

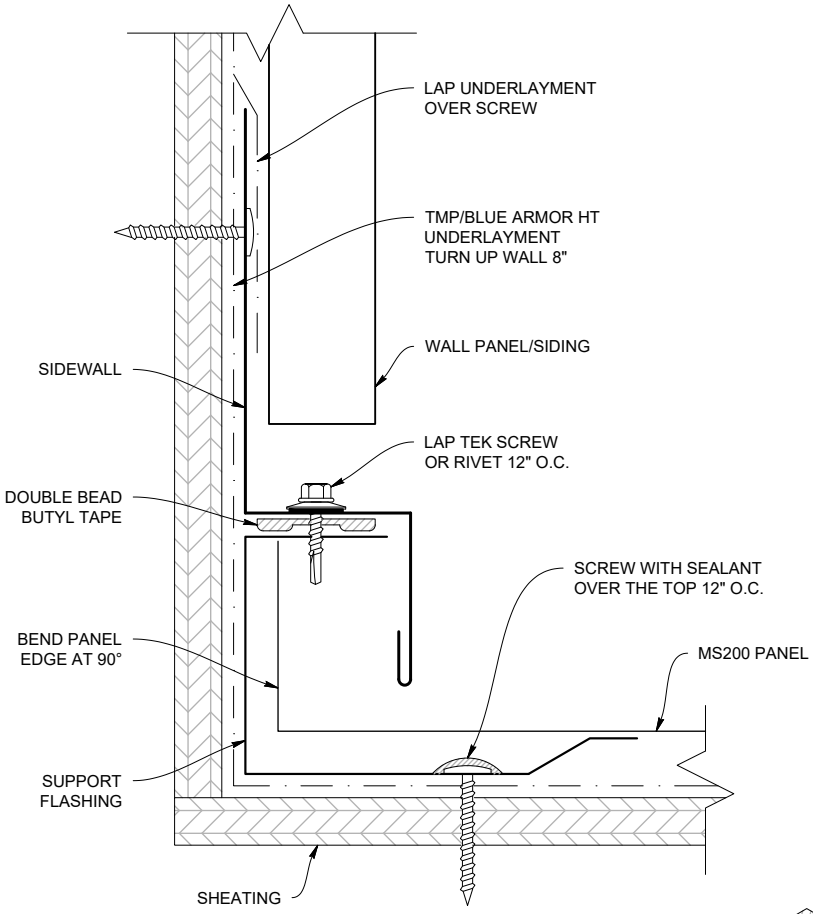



## ALTERNATE GABLE CLEAT (MS200AGC)

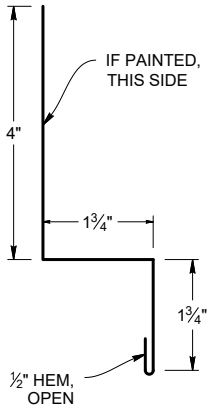



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

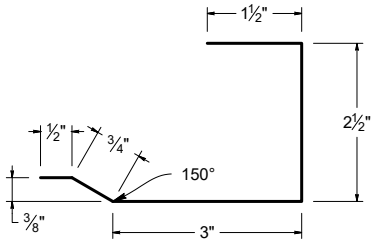
## SIDEWALL DETAIL

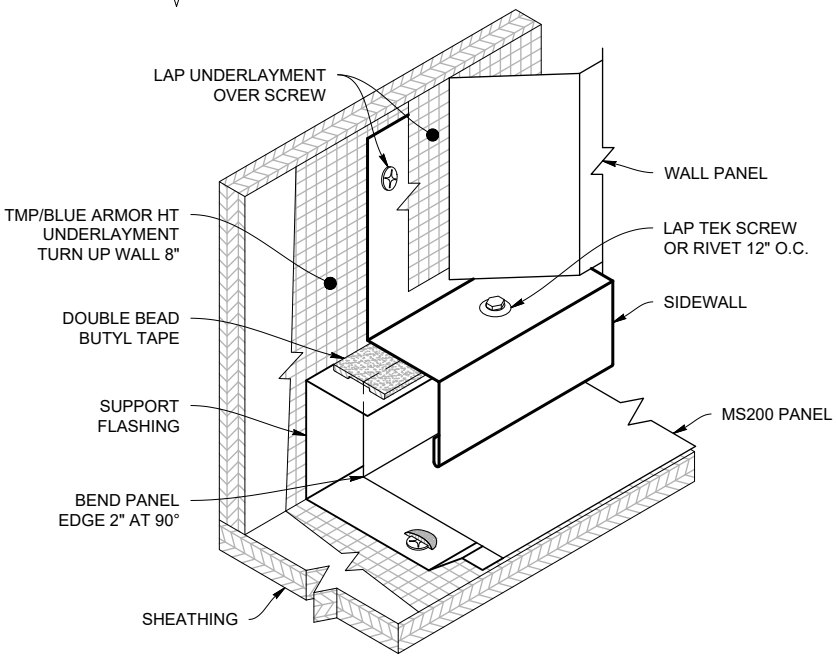



## SIDEWALL (MS200SW)




## SUPPORT FLASHING (MS200SF)



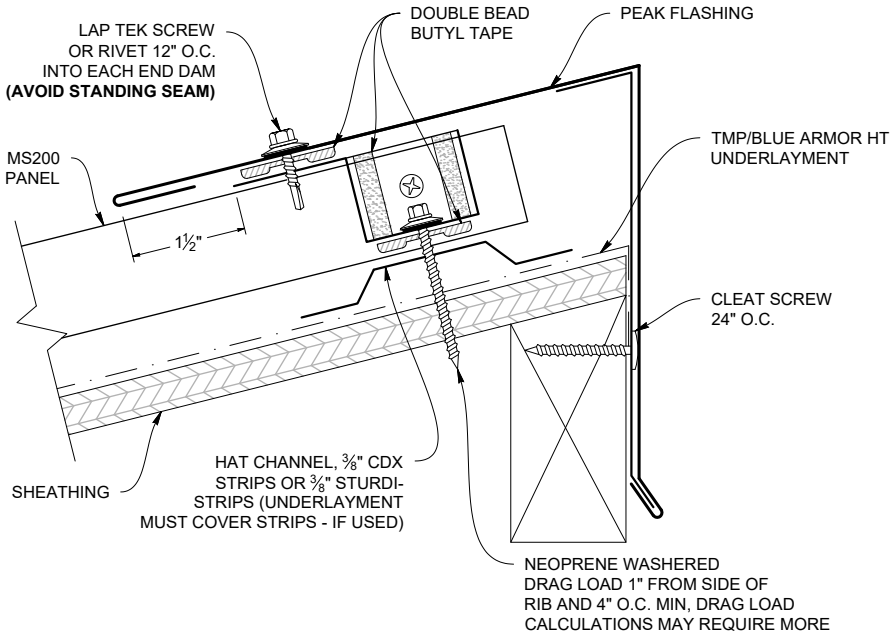




**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

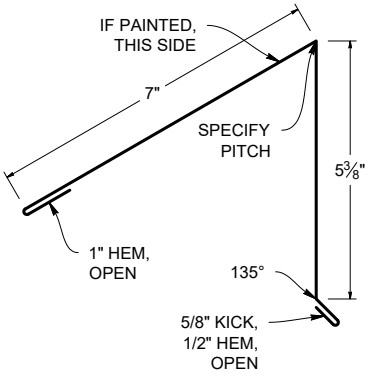
# Peak Flashing
**(Ridge End Cap)**

TAYLOR METAL PRODUCTS

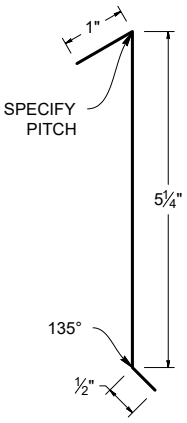
## PEAK FLASHING DETAIL (Ridge End Cap)



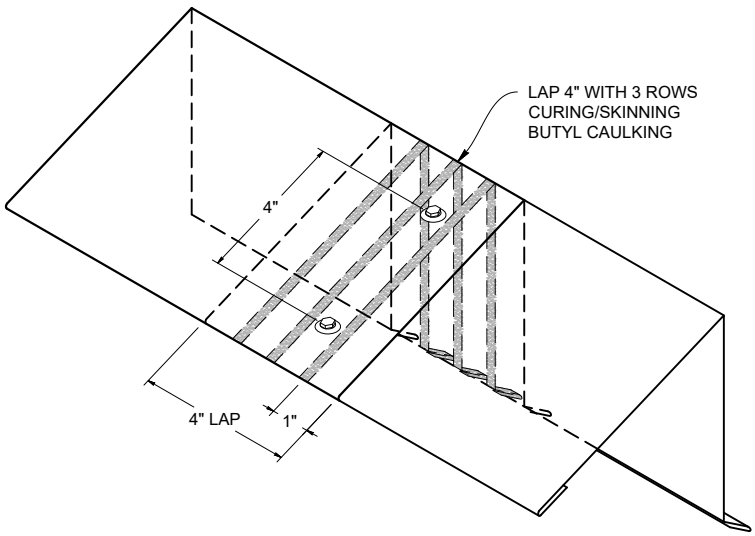

## PEAK FLASHING (MS200REC)



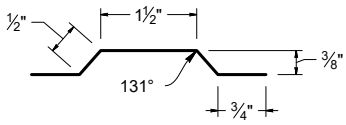

## PEAK CLEAT (MS200RECC)




## PEAK FLASHING LAP



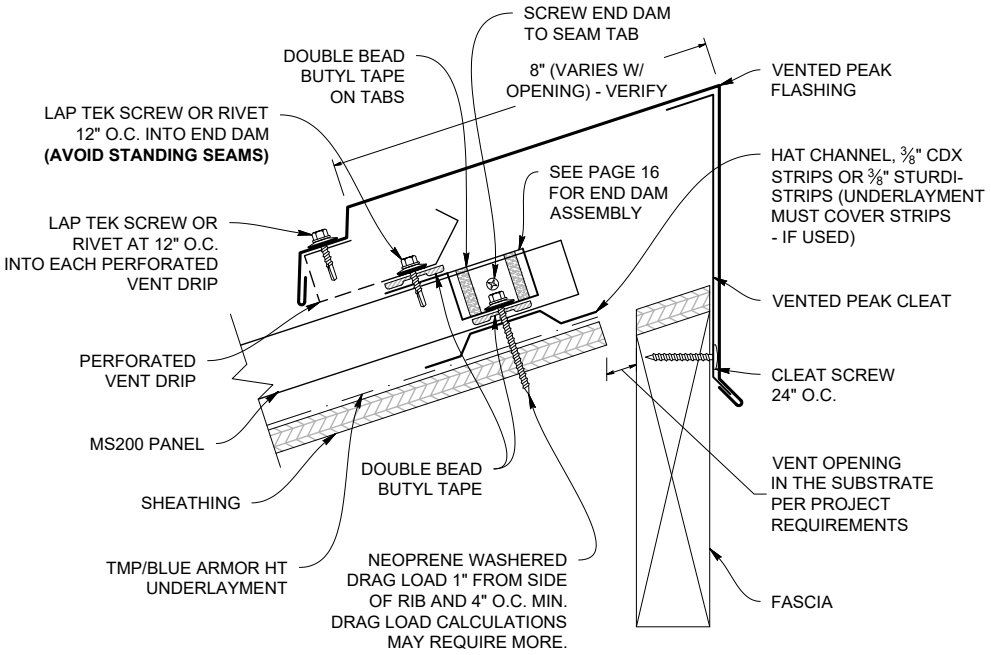

## HAT CHANNEL FLASHING



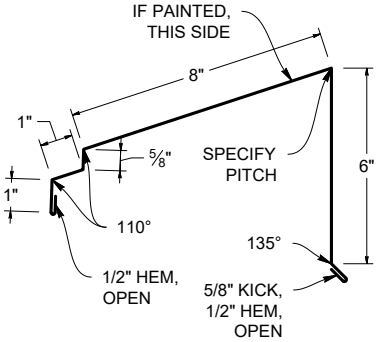

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Vented Peak Flashing
## (Vented Ridge End Cap)

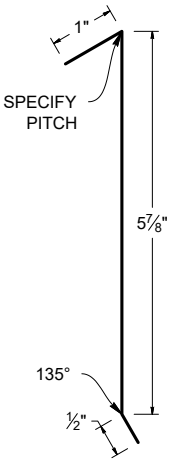
### WT VENTED PEAK FLASHING DETAIL (Vented Ridge End Cap)



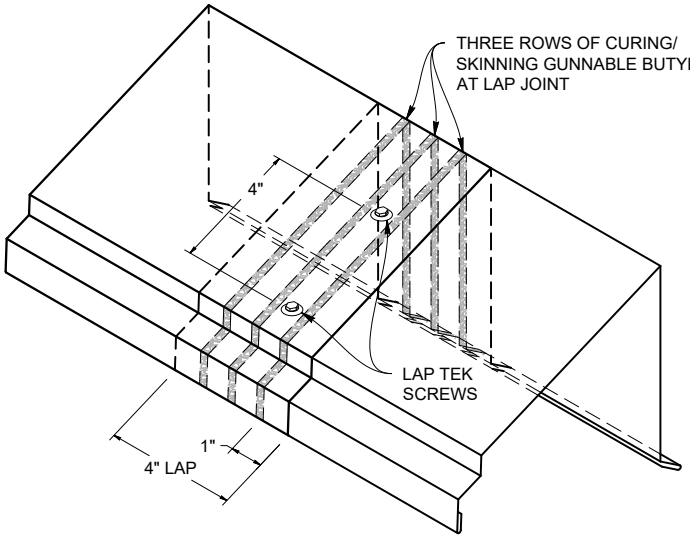

### WT PEAK FLASHING (MS200WTRECV)



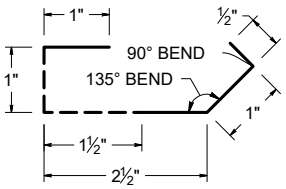

### VENTED PEAK CLEAT (MS200VRECC)



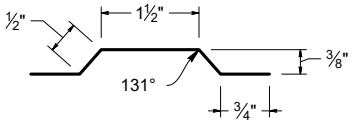

### VENTED PEAK FLASHING LAP




### PERFORATED VENT DRIP (MS200PVD)



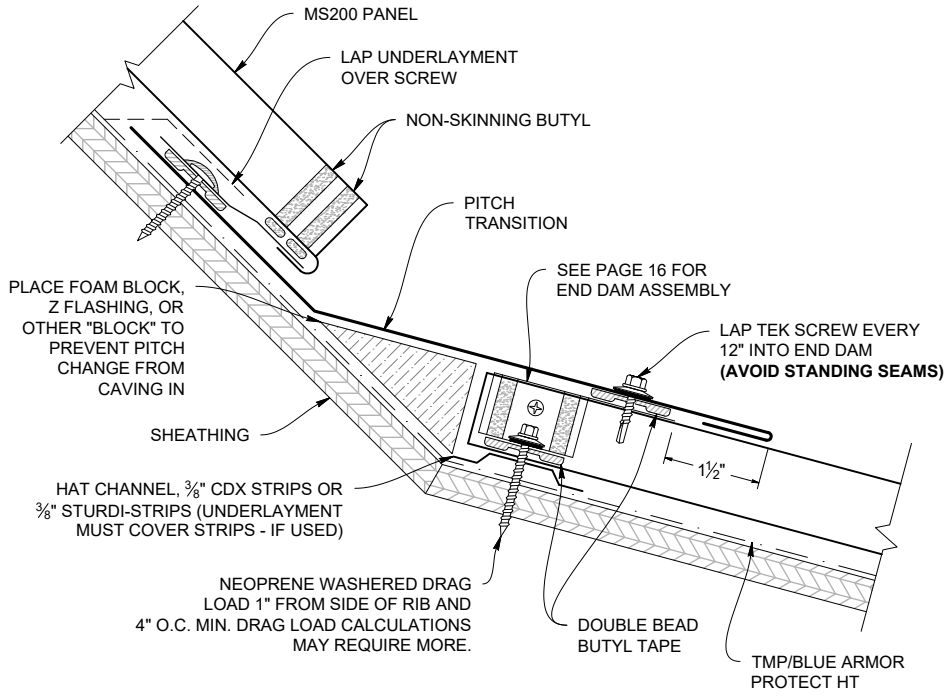

### HAT CHANNEL FLASHING



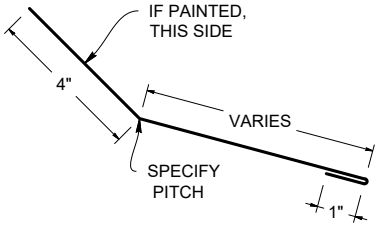

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Pitch Change

## PITCH CHANGE DETAIL

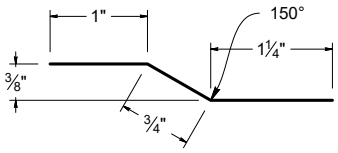



## INSIDE PITCH CHANGE FLASHING

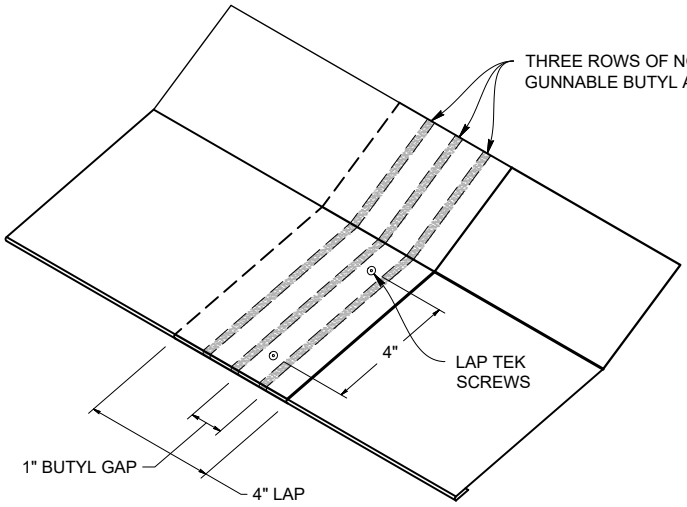



NOTE: Lesser slope transition will require wider flashings to assure positive slope. Please refer to page 46 for more information on pitches.

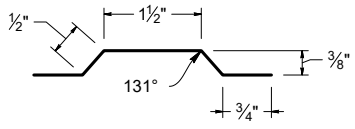
## OFFSET CLEAT (MS200OC)




## PITCH CHANGE LAP

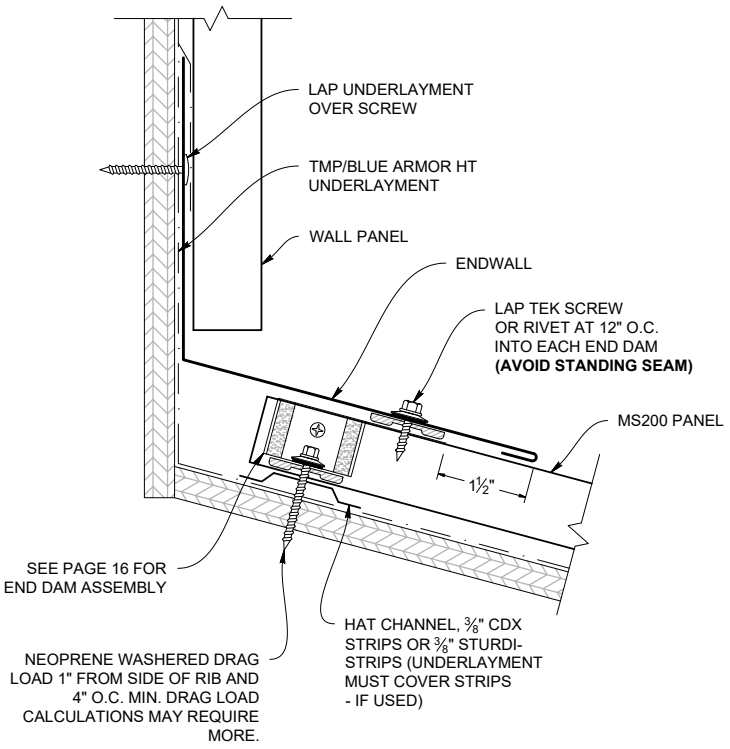



## HAT CHANNEL FLASHING

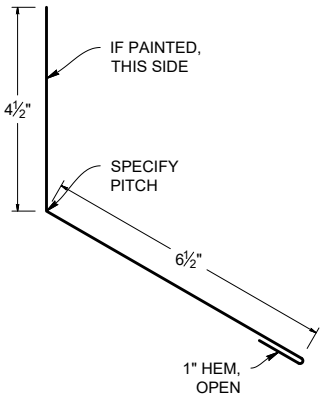



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

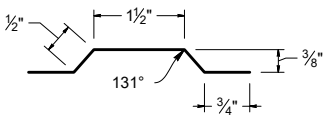
## ENDWALL DETAIL



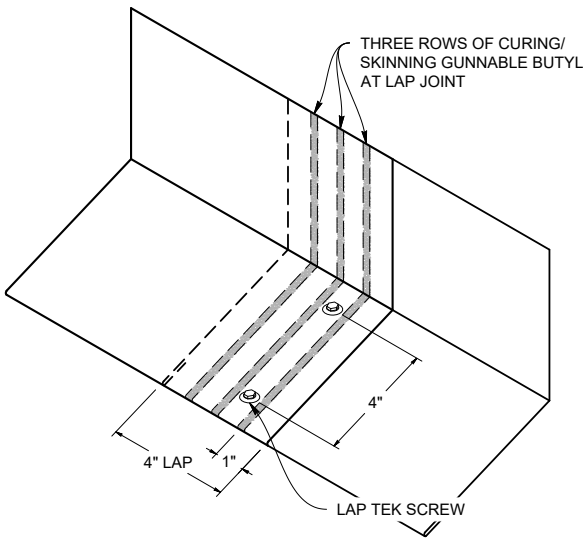

## ENDWALL (MS200EW)



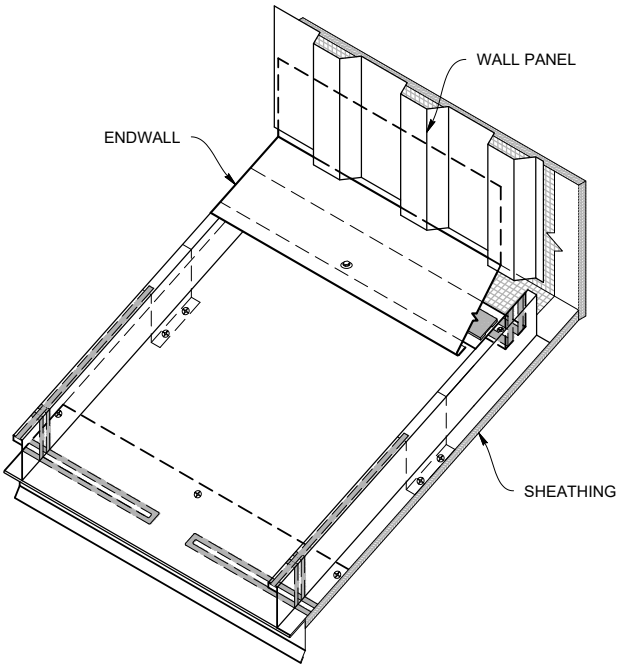

## HAT CHANNEL FLASHING




## ENDWALL LAP




## ENDWALL DETAIL

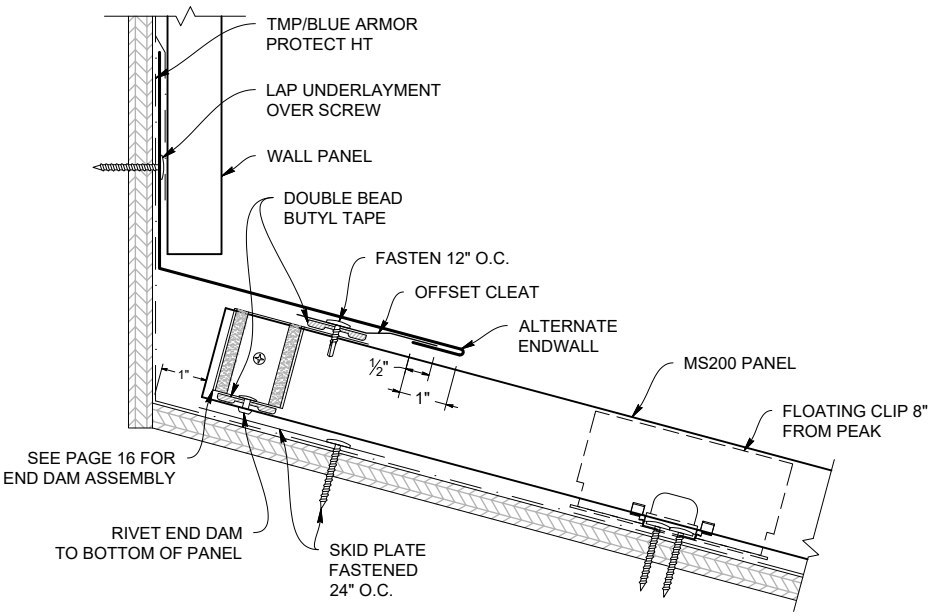



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Floating Endwall
**For pinned panels**

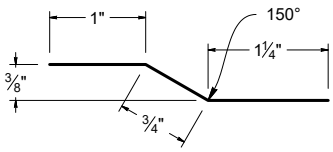
TAYLOR METAL PRODUCTS

## FLOATING ENDWALL DETAIL

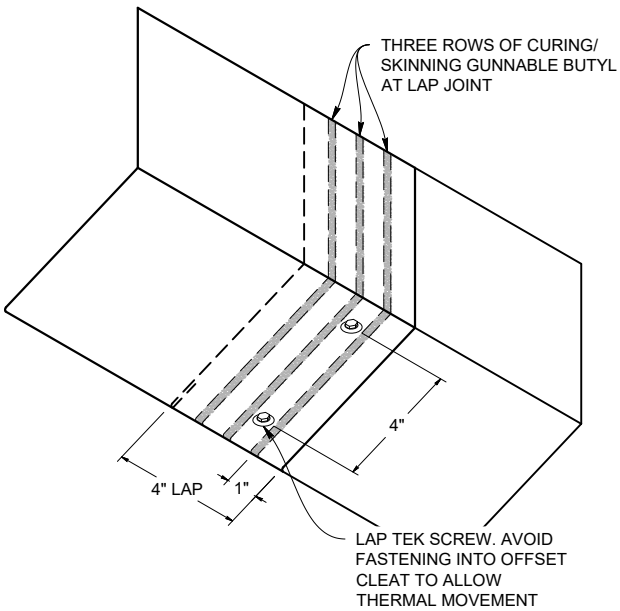



Note: Required when the panel is "pinned" at the eave or valley

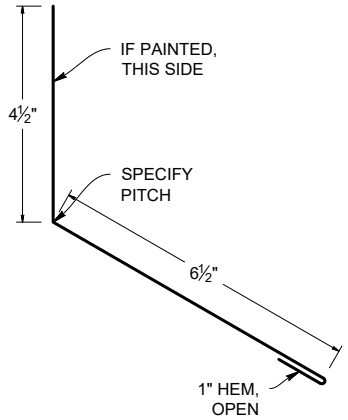
## OFFSET CLEAT (MS200OC)




## ENDWALL LAP



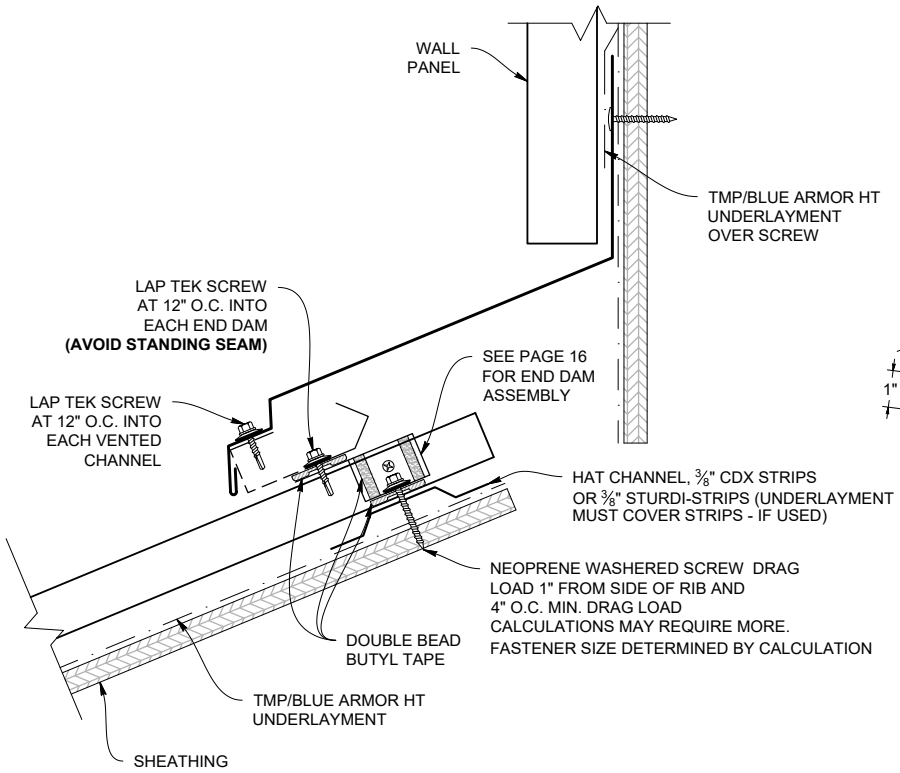

## ENDWALL (MS200EW)



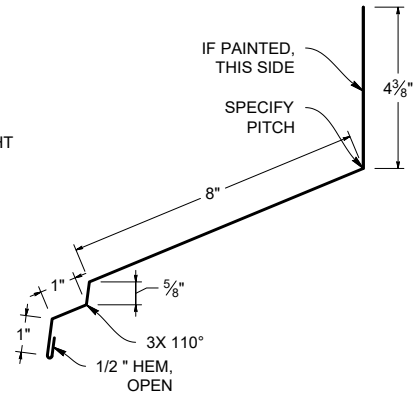

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Vented Endwall

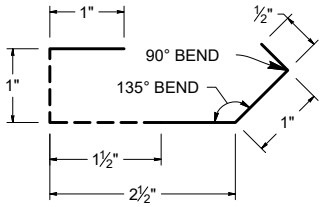
## WT VENTED ENDWALL DETAIL



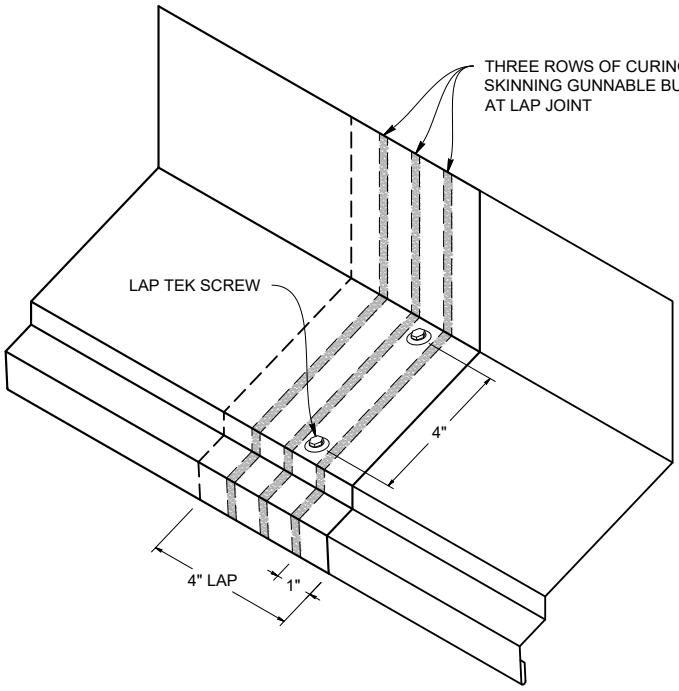

## WT VENTED ENDWALL (MS200WTEWV)



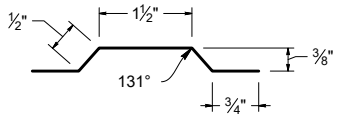

## PERFORATED VENT DRIP (MS200PVD)




## VENTED ENDWALL LAP



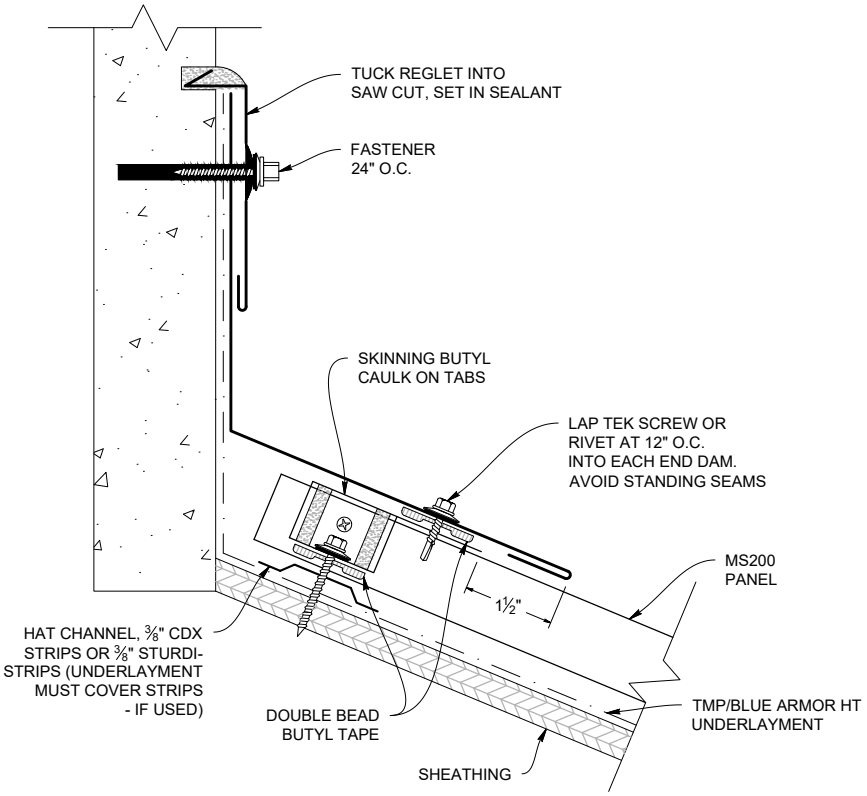

## HAT CHANNEL FLASHING



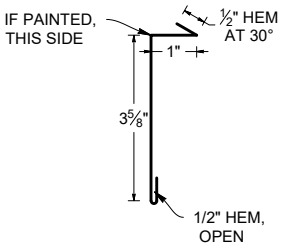

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Endwall w/ Saw Cut Reglet

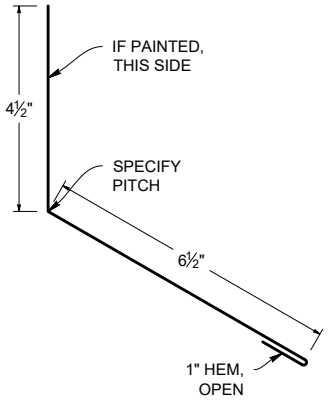
## SAW CUT ENDWALL DETAIL



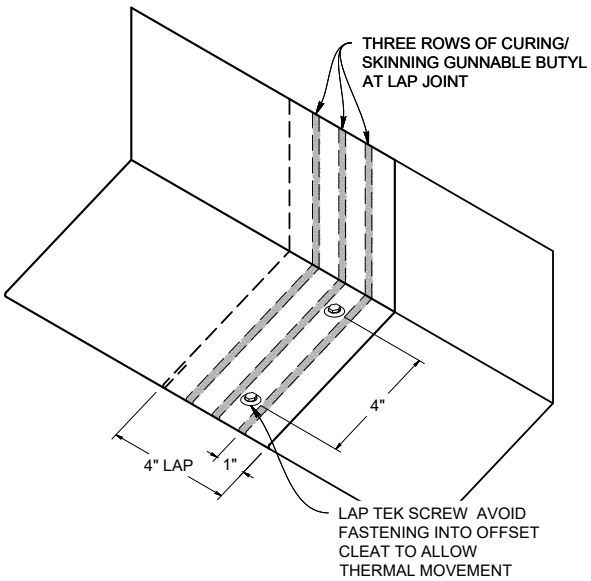

## REGLET (MS200RF)



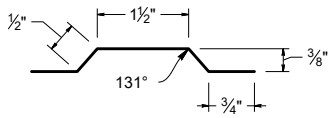

## ENDWALL (MS200EW)




## ENDWALL LAP



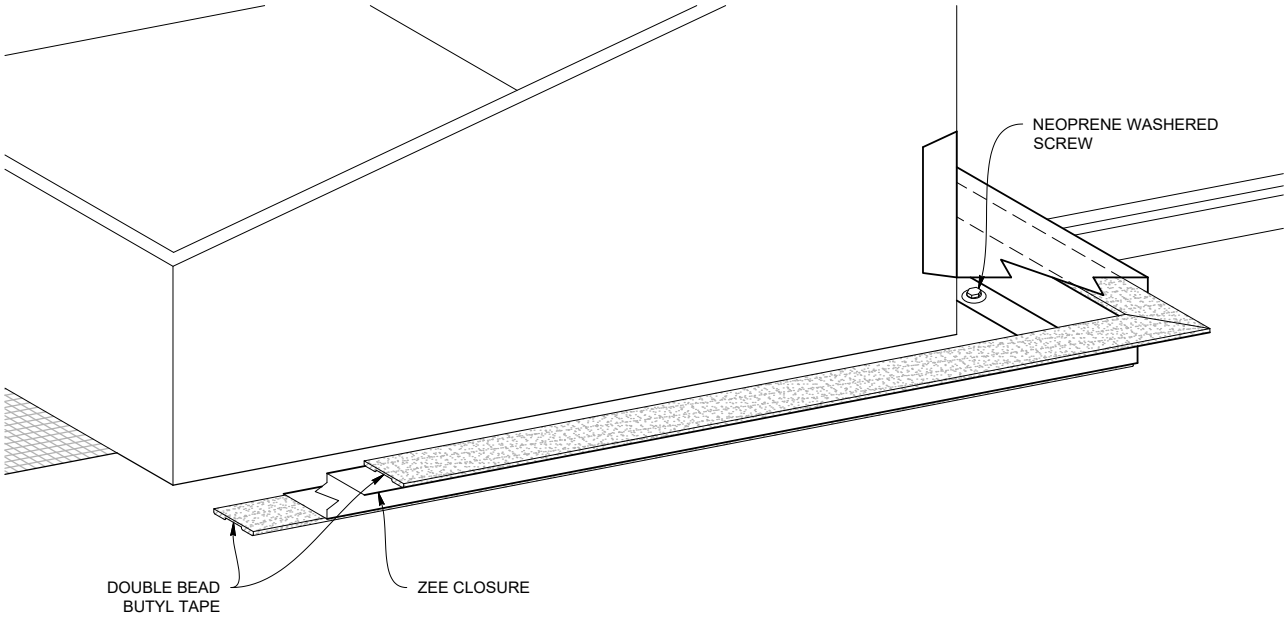

## HAT CHANNEL FLASHING



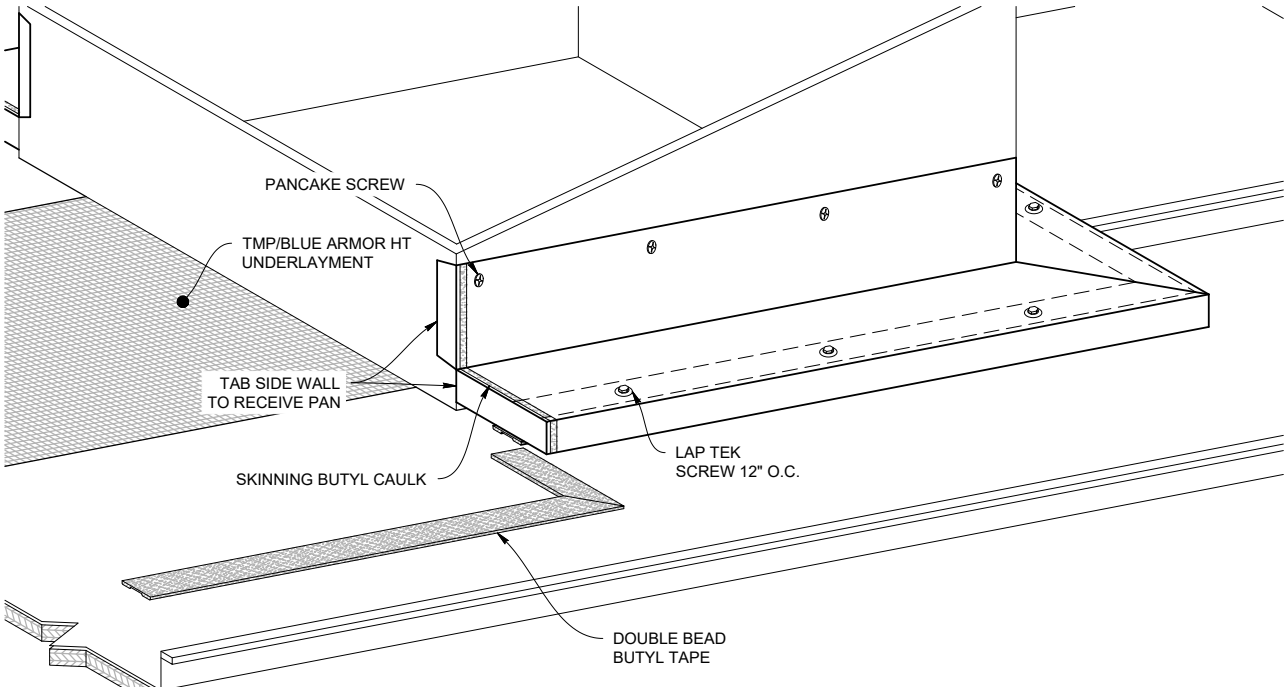

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Curb Back Pan / Cricket

**STEP 1**



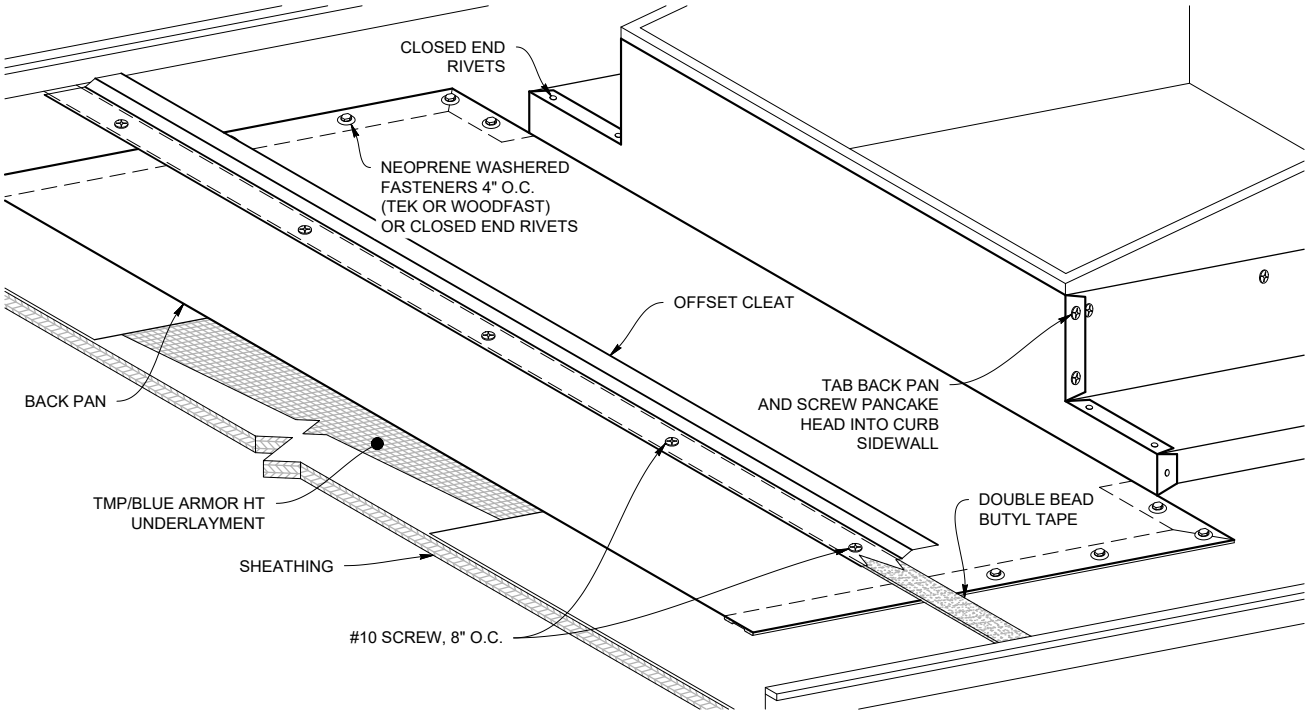

**STEP 2**



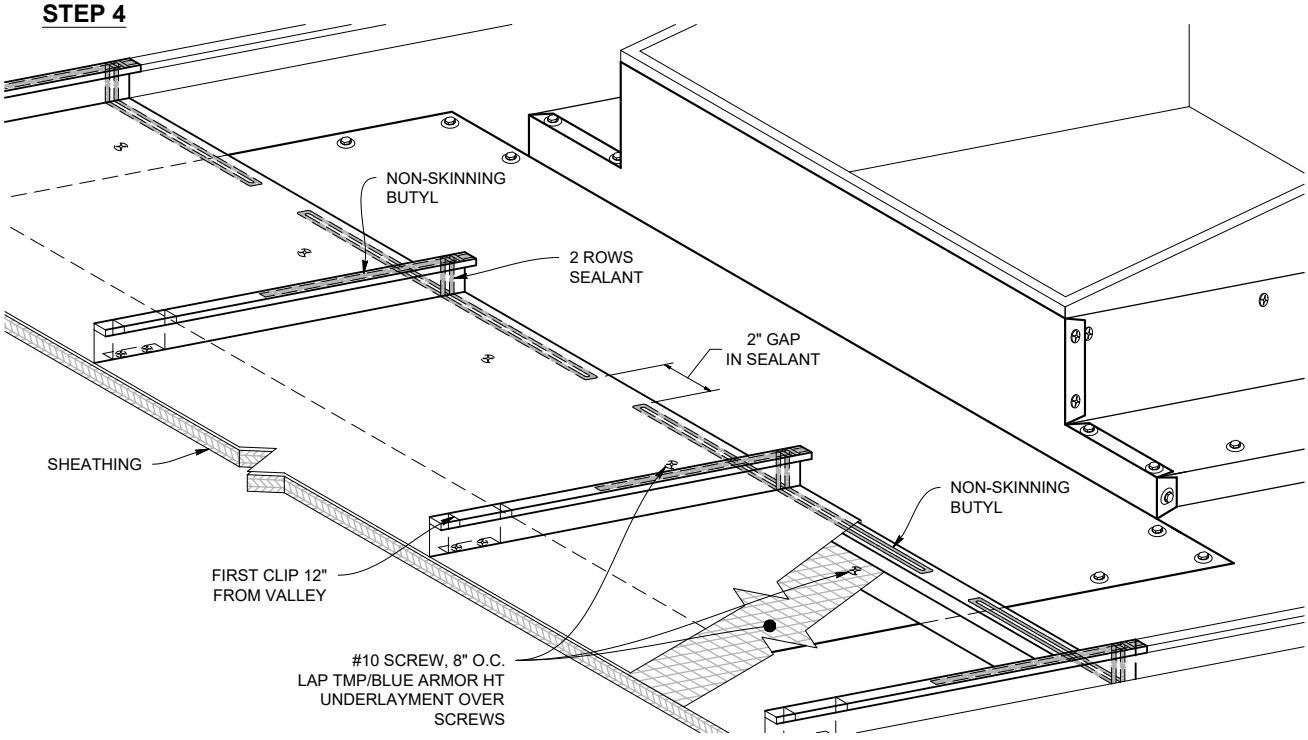

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Curb Back Pan / Cricket

**STEP 3**



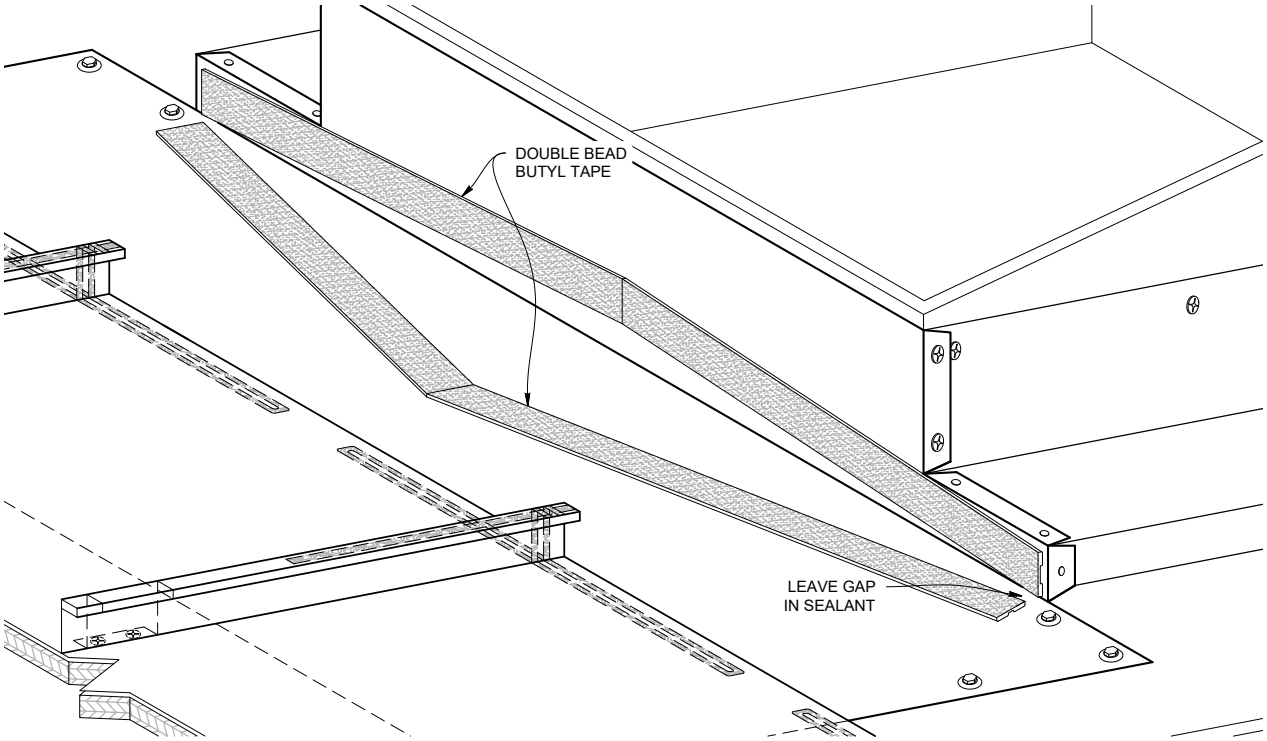

**STEP 4**



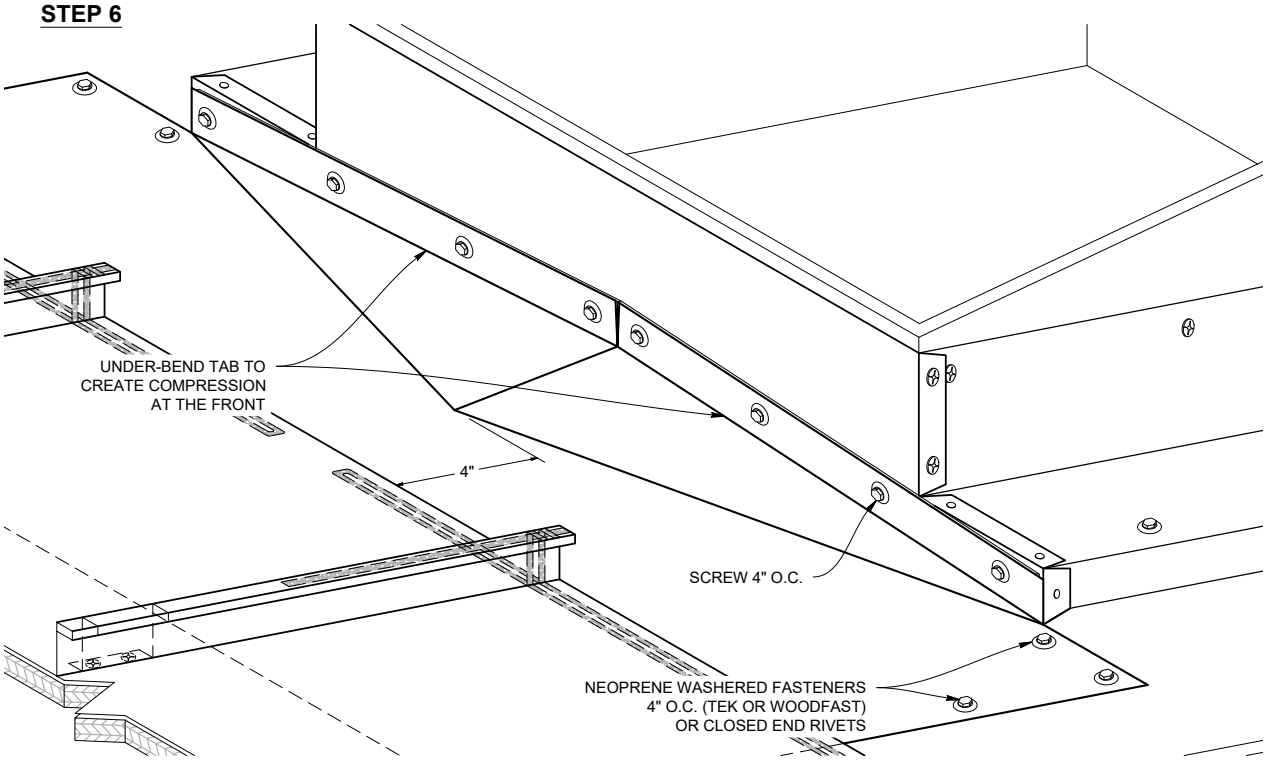

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Curb Back Pan / Cricket

**STEP 5**

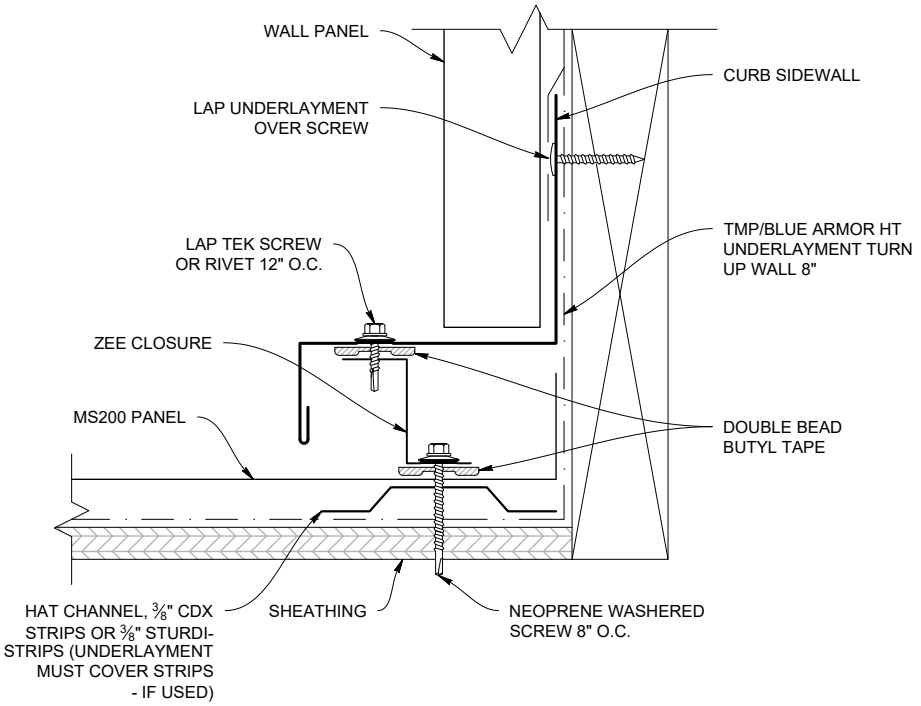



**STEP 6**

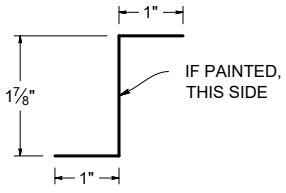



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

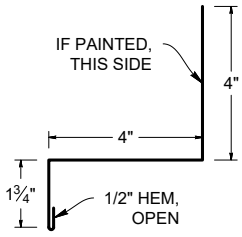
## CURB SIDEWALL DETAIL



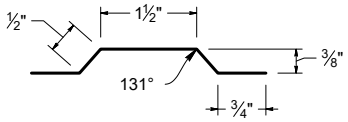

### ZEE CLOSURE (MS200ZC)




### CURB SIDEWALL (MS200CSW)

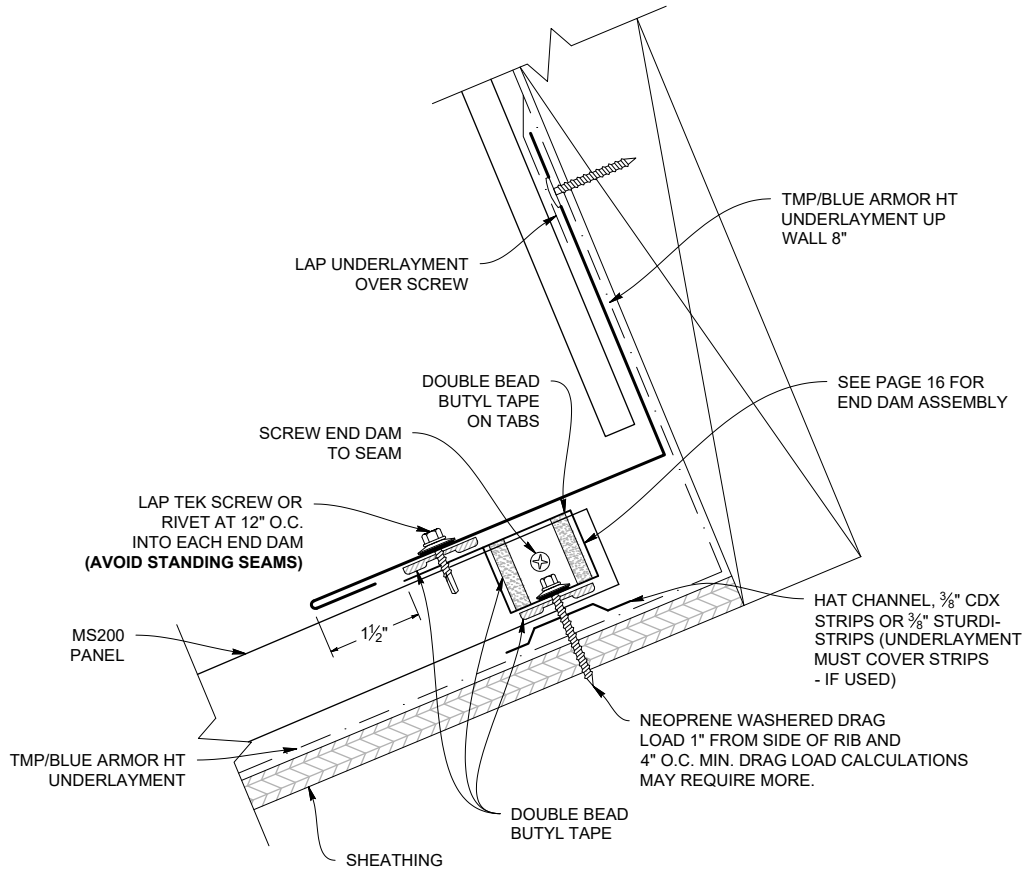



### HAT CHANNEL FLASHING

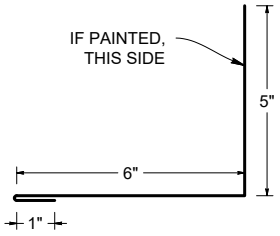



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

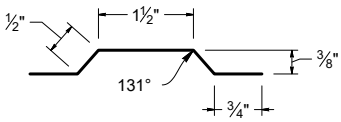
## CURB ENDWALL DETAIL



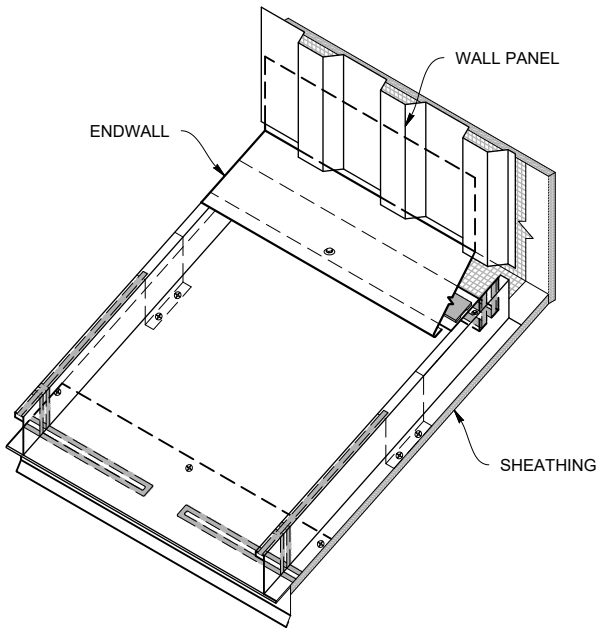

## CURB ENDWALL (MS200CH)




## HAT CHANNEL FLASHING



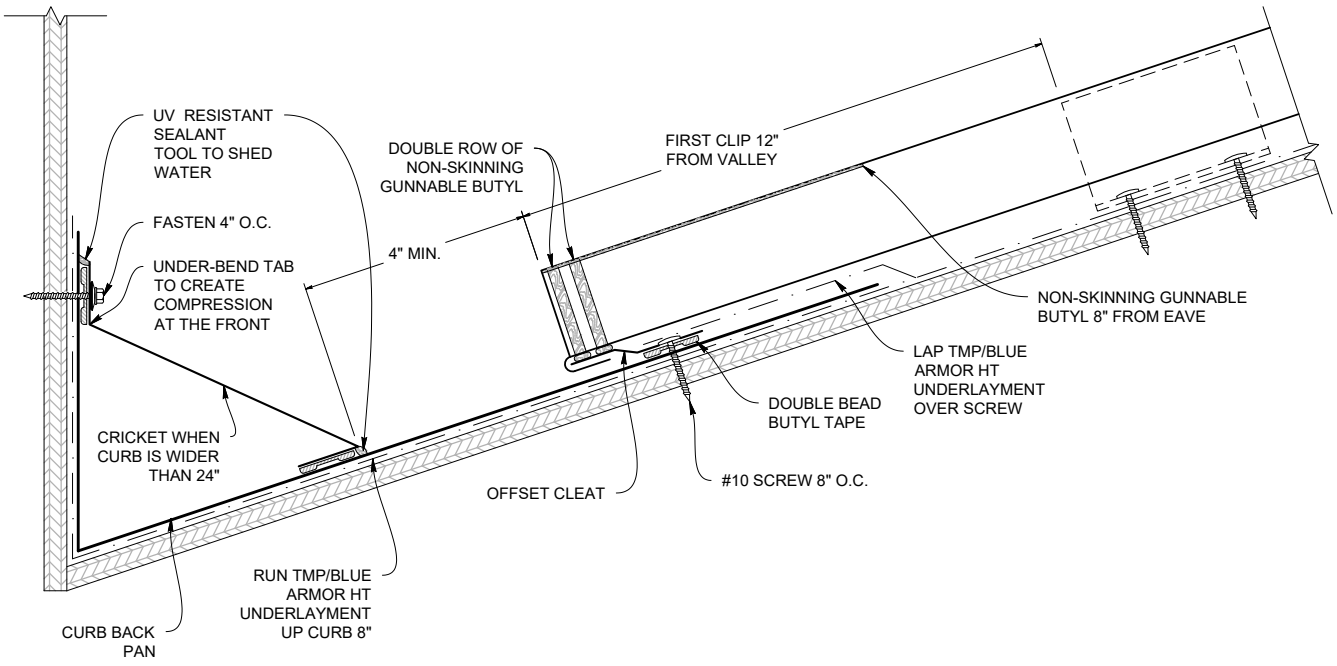

## ENDWALL DETAIL




**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

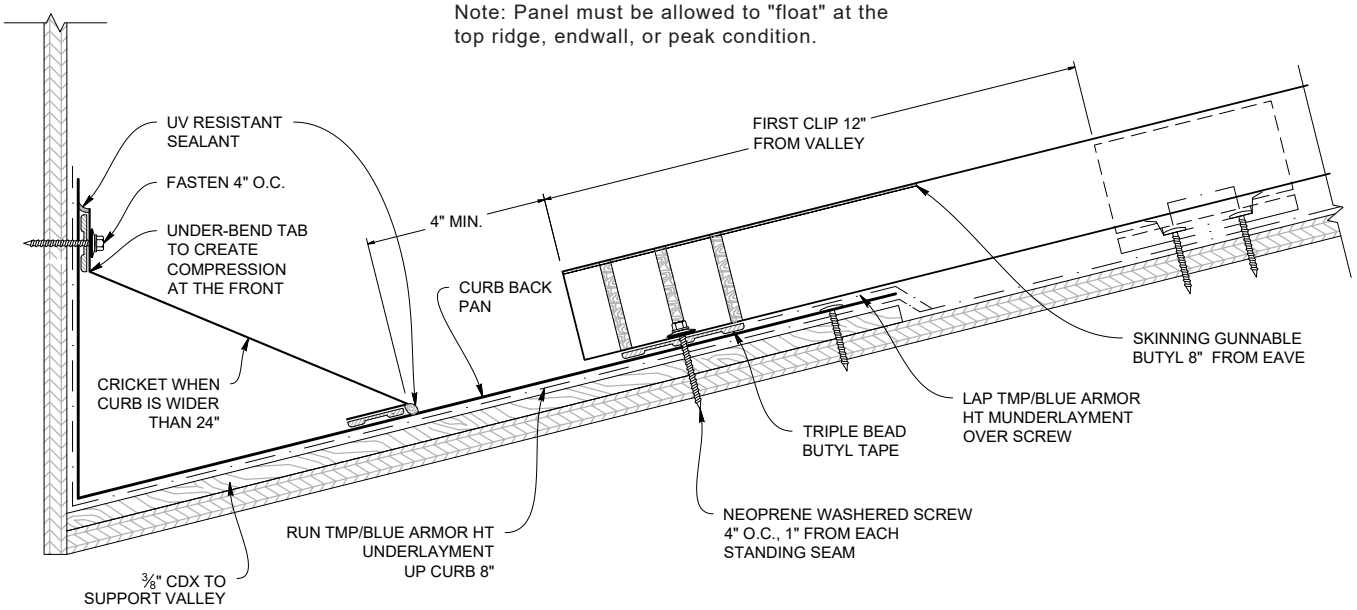
# Curb Back Pan / Cricket

**CURB BACK PAN / CRICKET DETAIL**
**(3:12 Pitch or Greater)**




**CURB BACK PAN / CRICKET DETAIL**
**(Less Than 3:12 Pitch)**

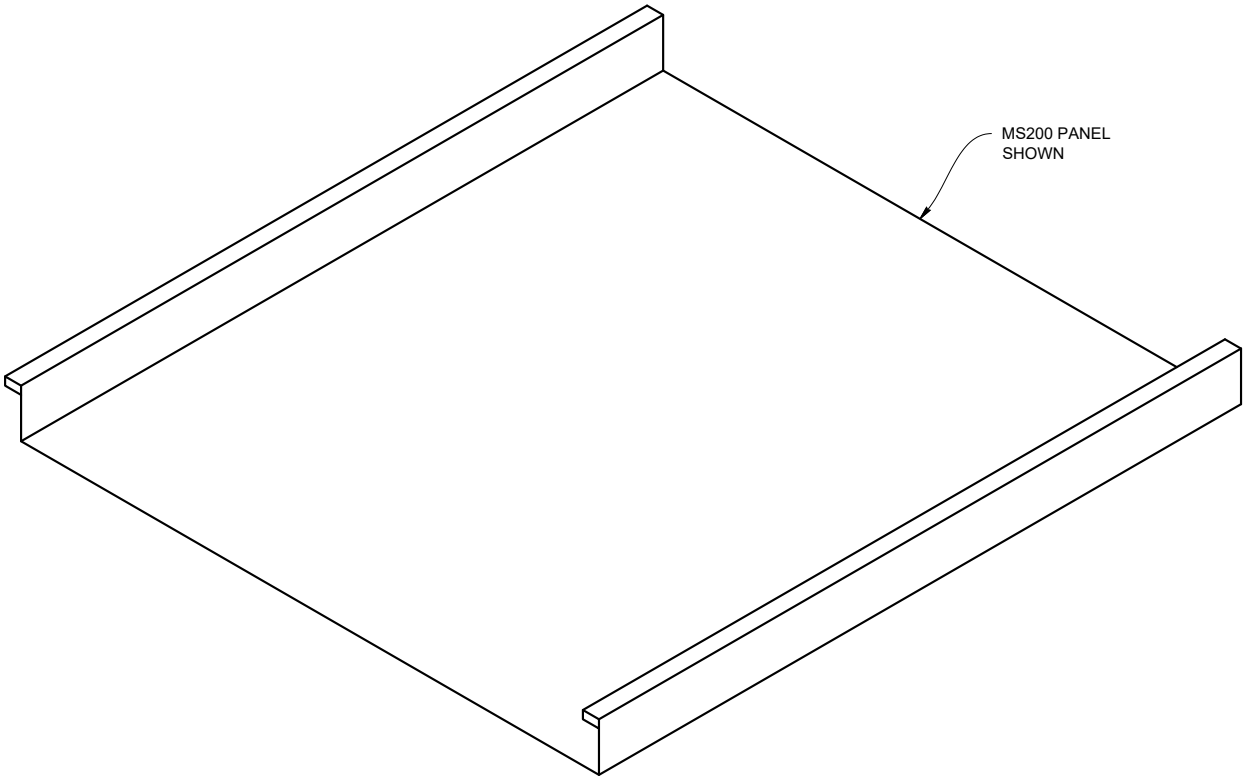
Note: Panel must be allowed to "float" at the top ridge, endwall, or peak condition.



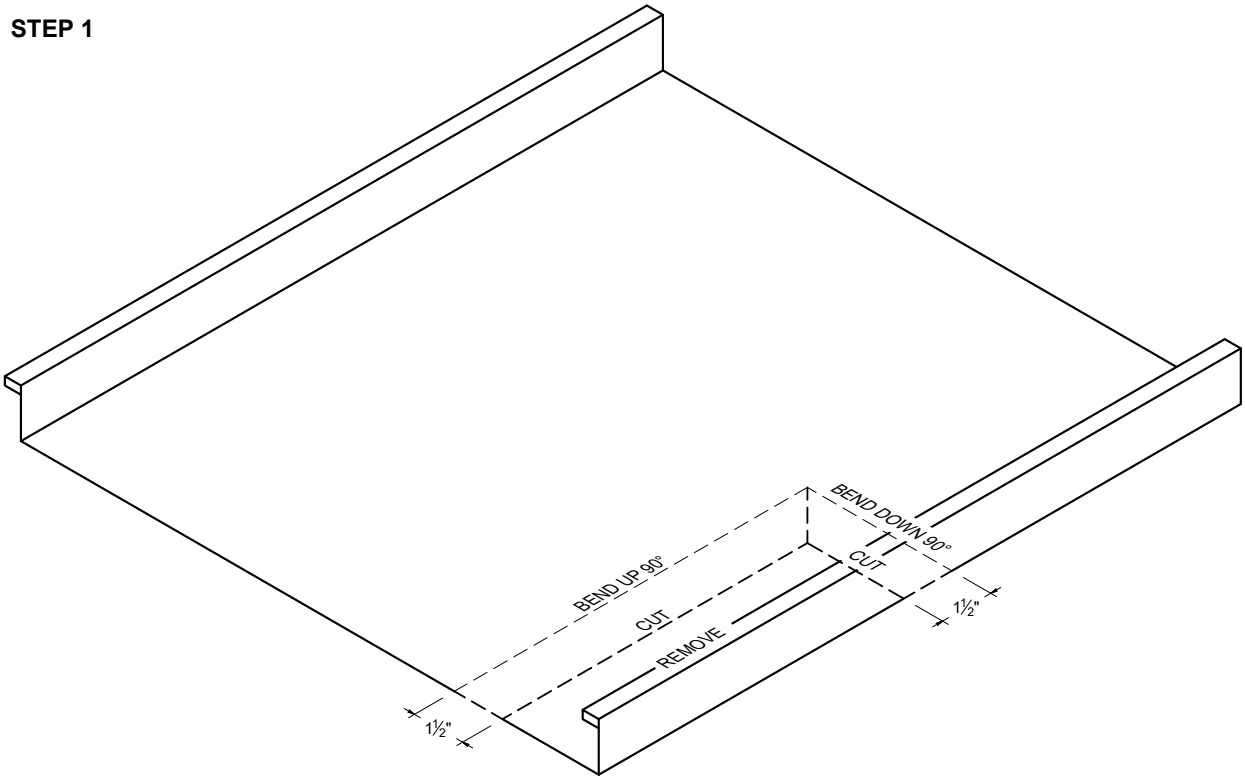

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable butyl.

# Eave to Gable Transition

**EAVE TO GABLE TRANSITION**

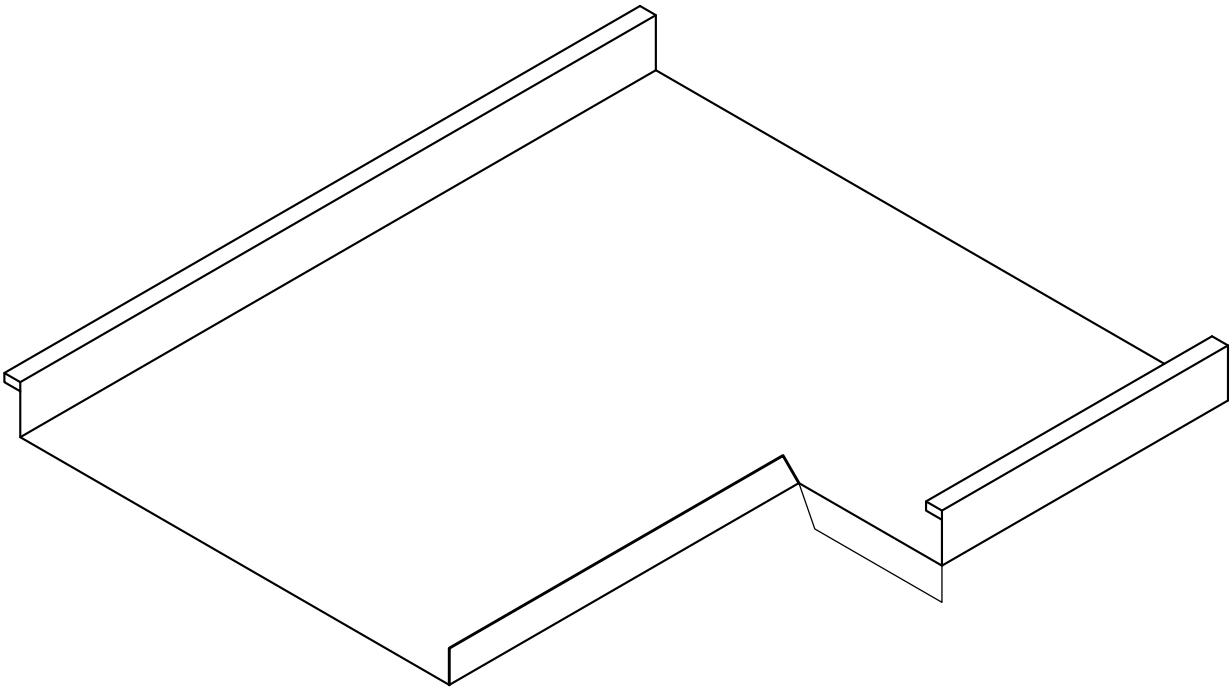



**STEP 1**

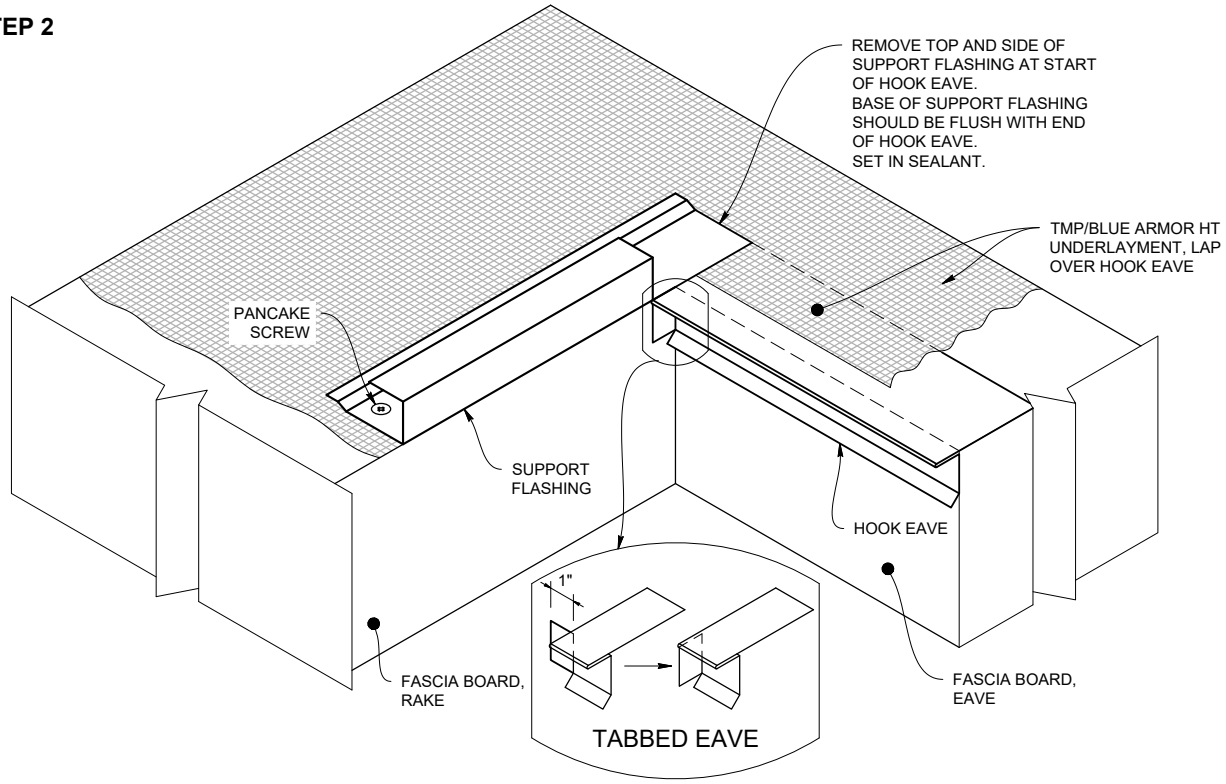



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable sealant.

# Eave to Gable Transition



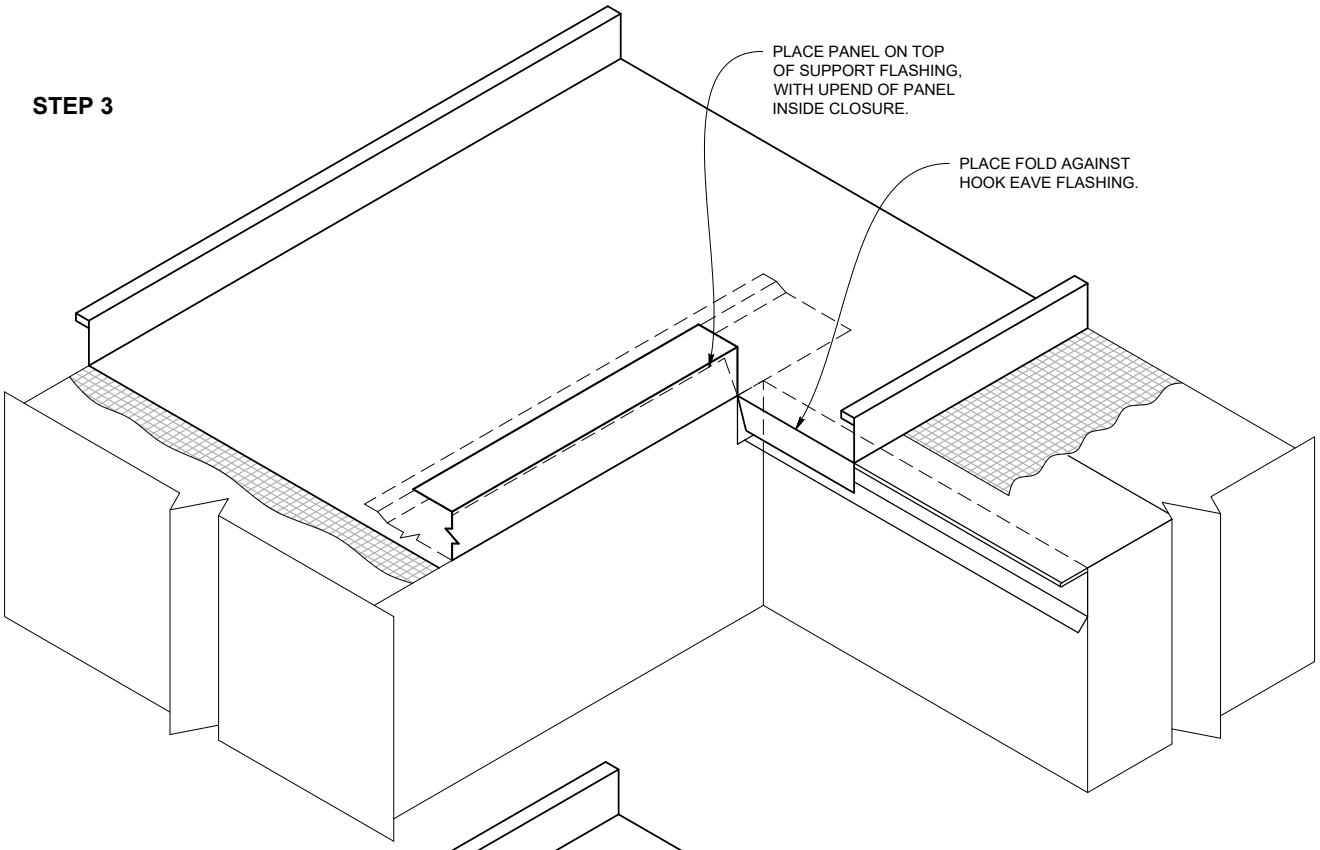
**STEP 2**



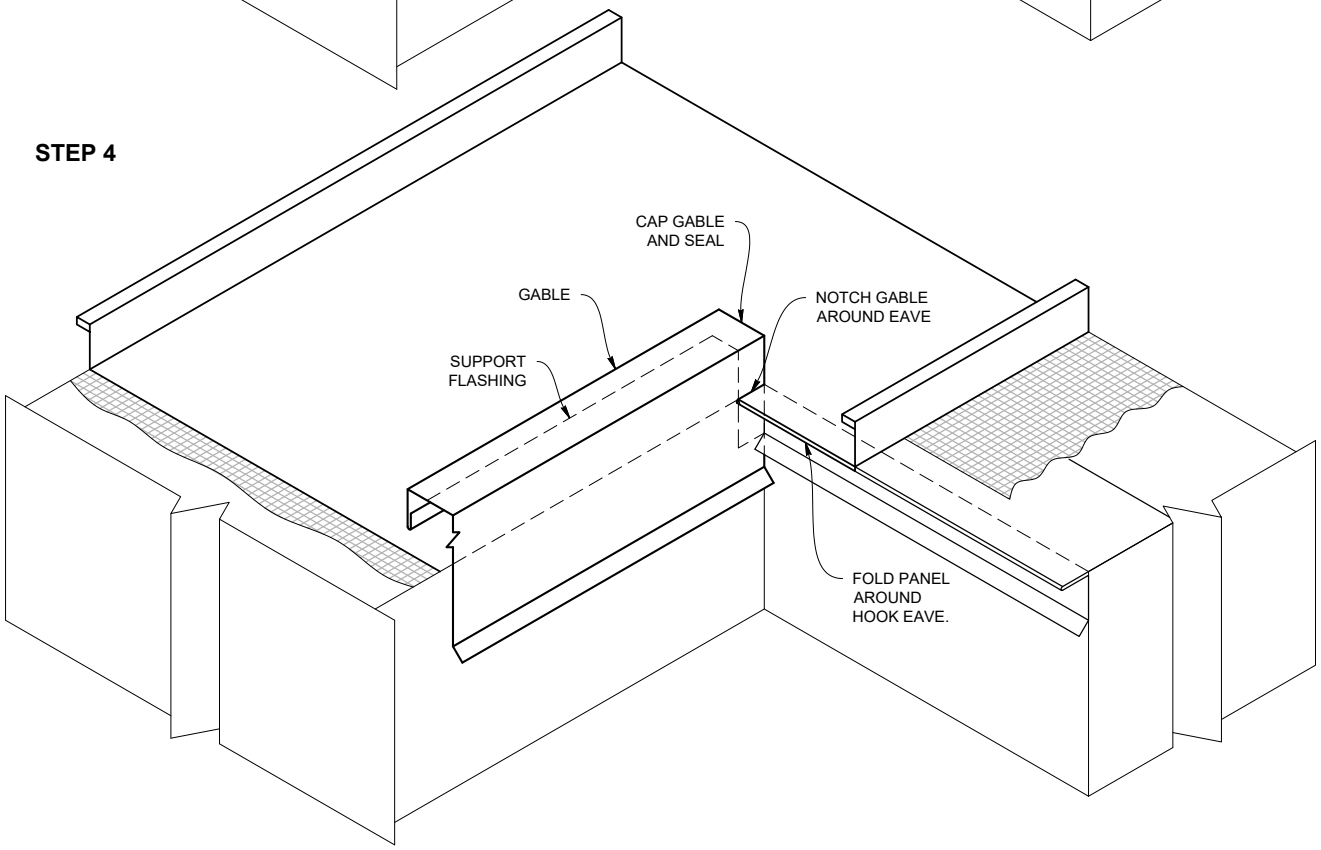

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable sealant.

# Eave to Gable Transition

**STEP 3**




**STEP 4**

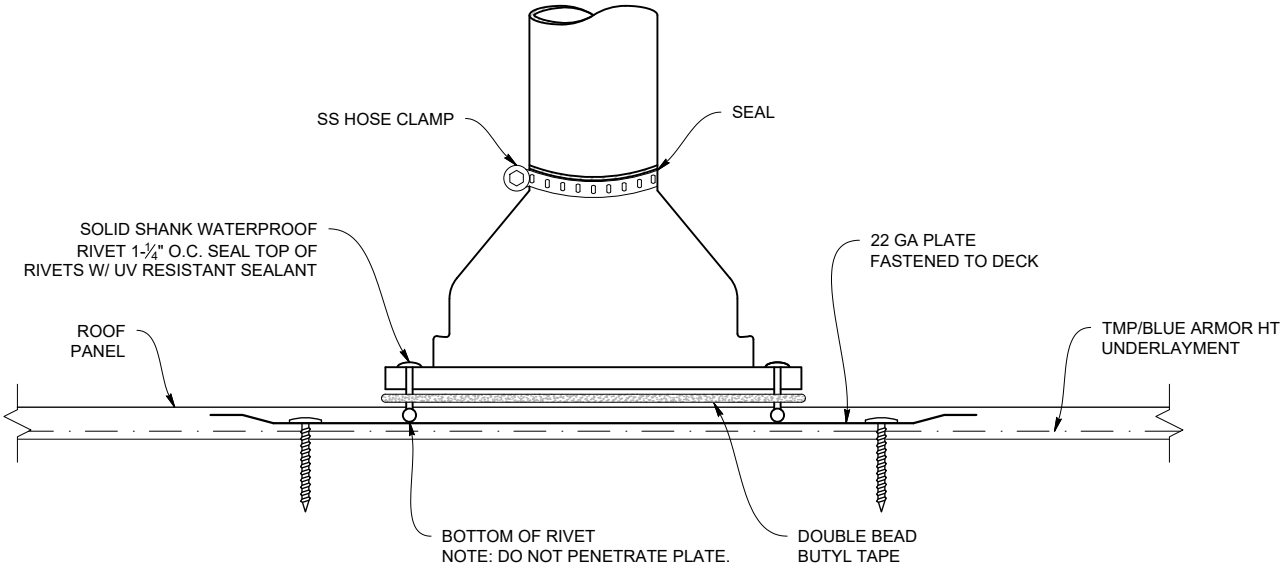



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable sealant.

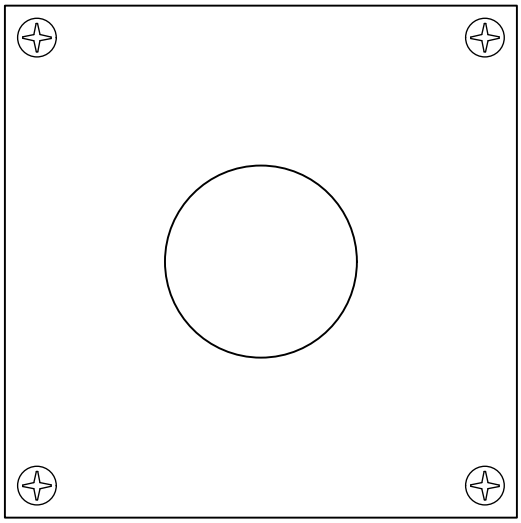
# Pipe Penetration - on Plate

FOR PIPES LOCATED GREATER THAN 20' FROM PIN POINT

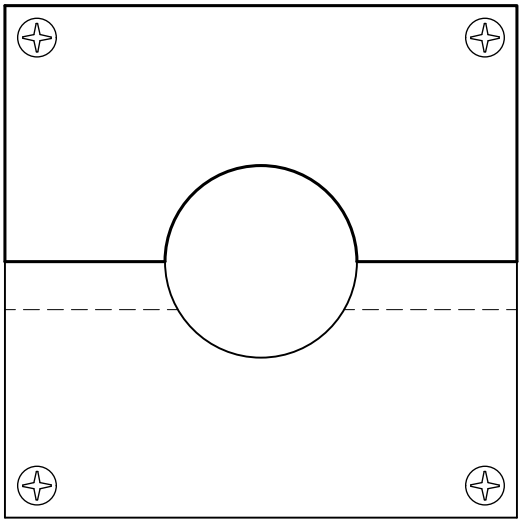
(Allows panel and pipe flashing to move with temperature change.)




TWO TYPES OF PLATES YOU CAN USE:

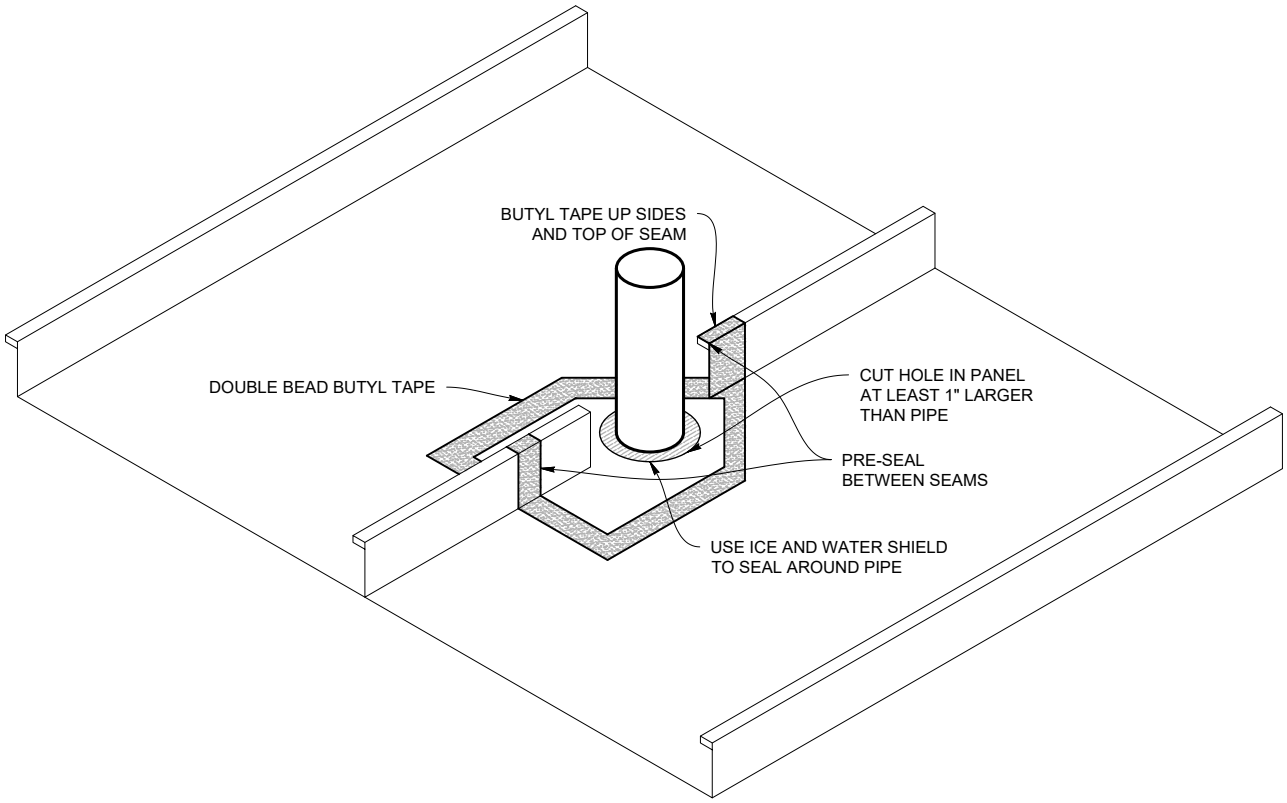


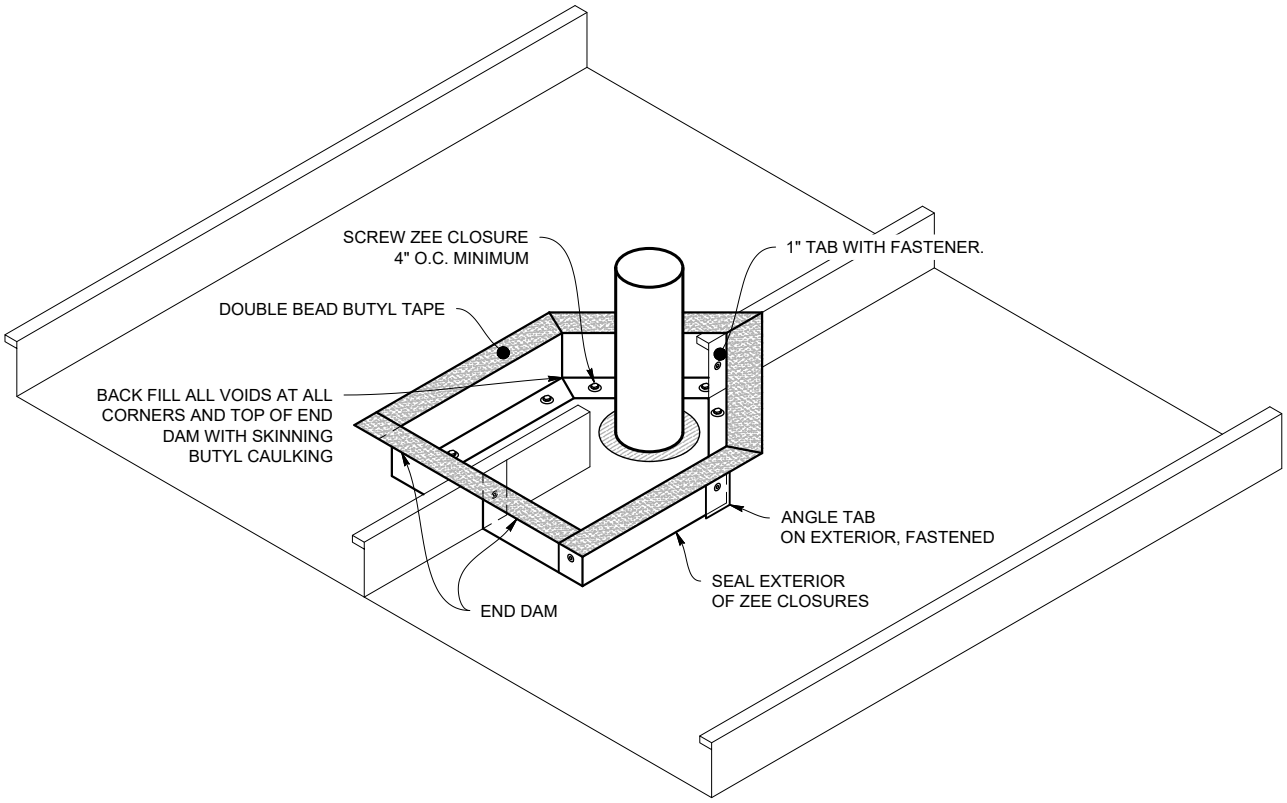
SINGLE 22 GAUGE PLATE



TWO OVERLAPPING 22 GAUGE PLATES

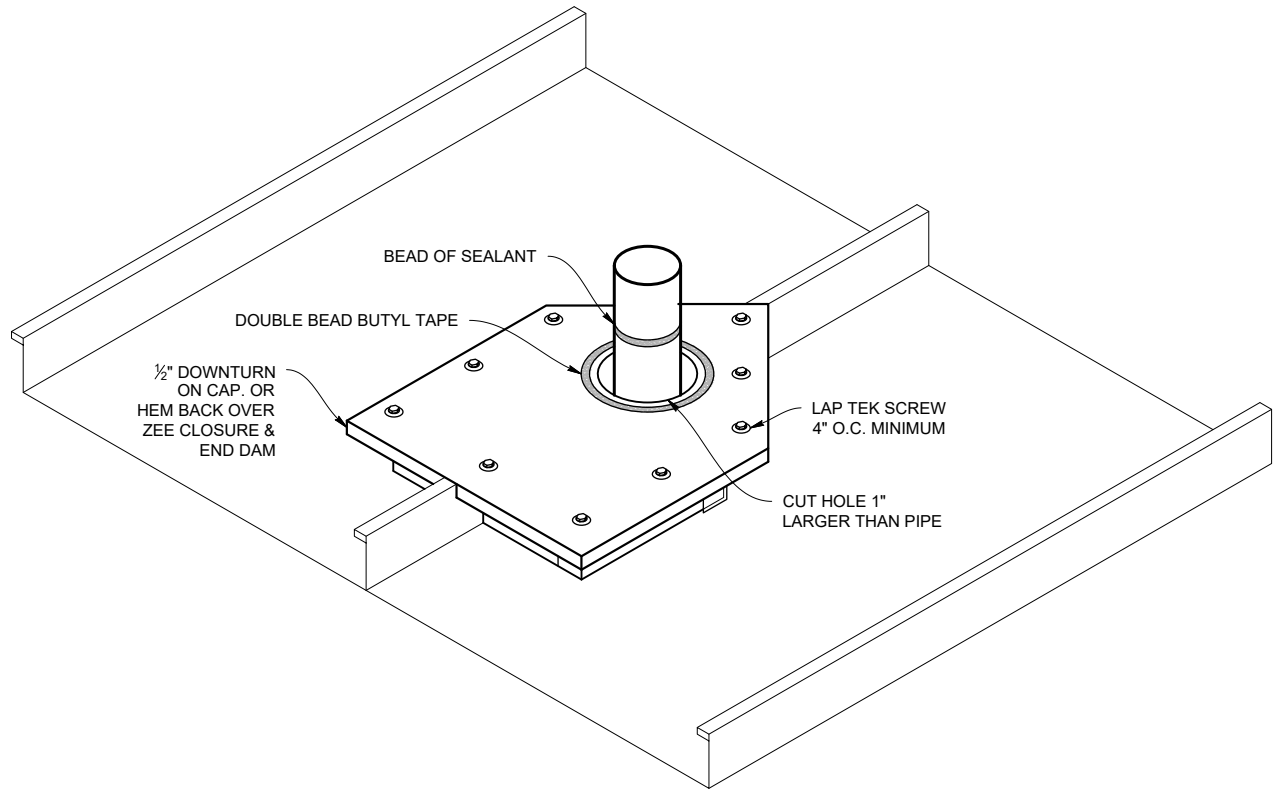
# Pipe Penetration - on Rib

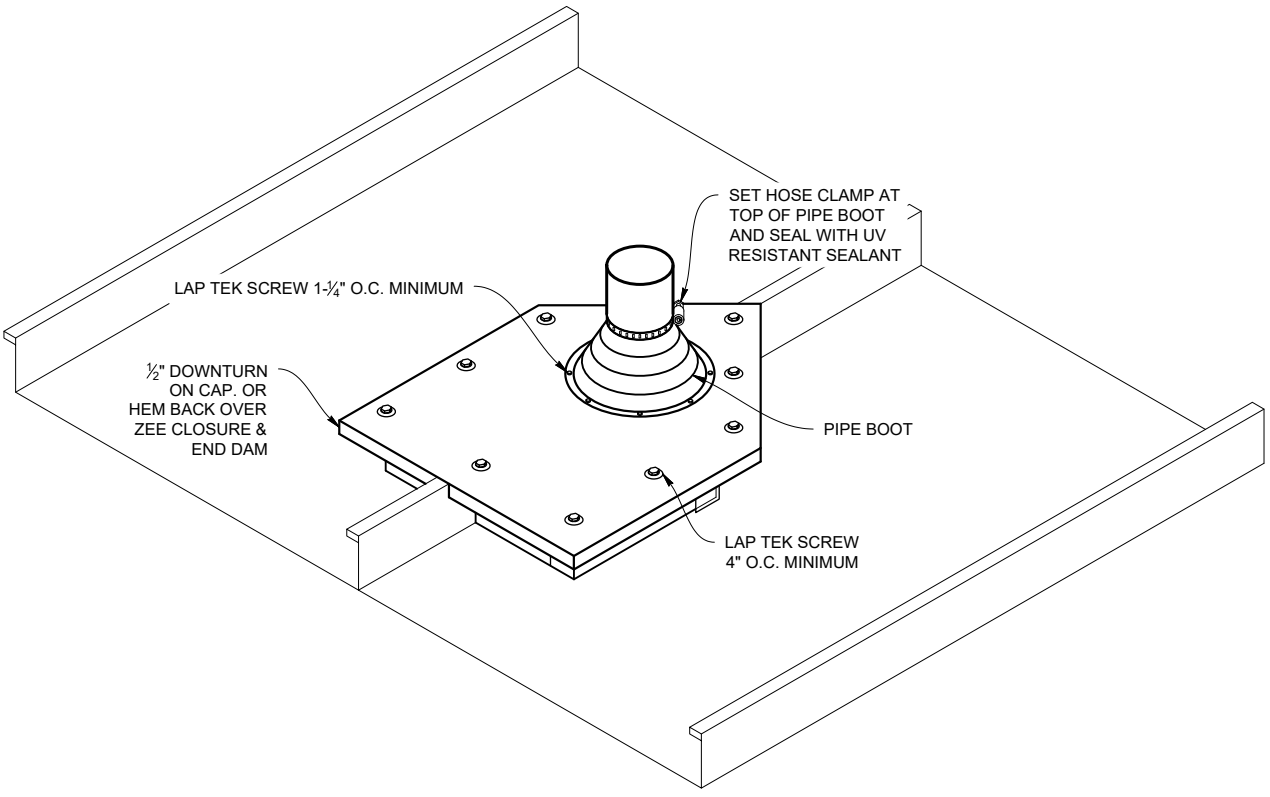



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable sealant.

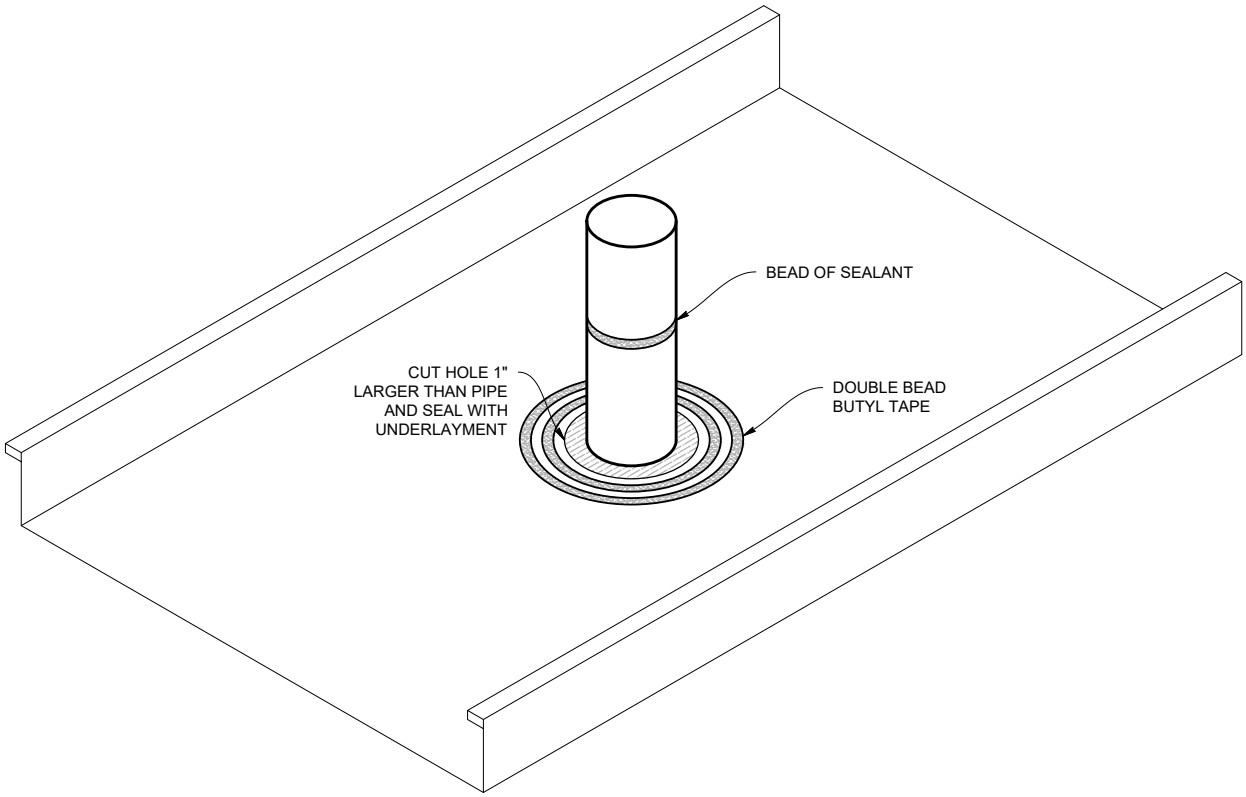
# Pipe Penetration - on Rib

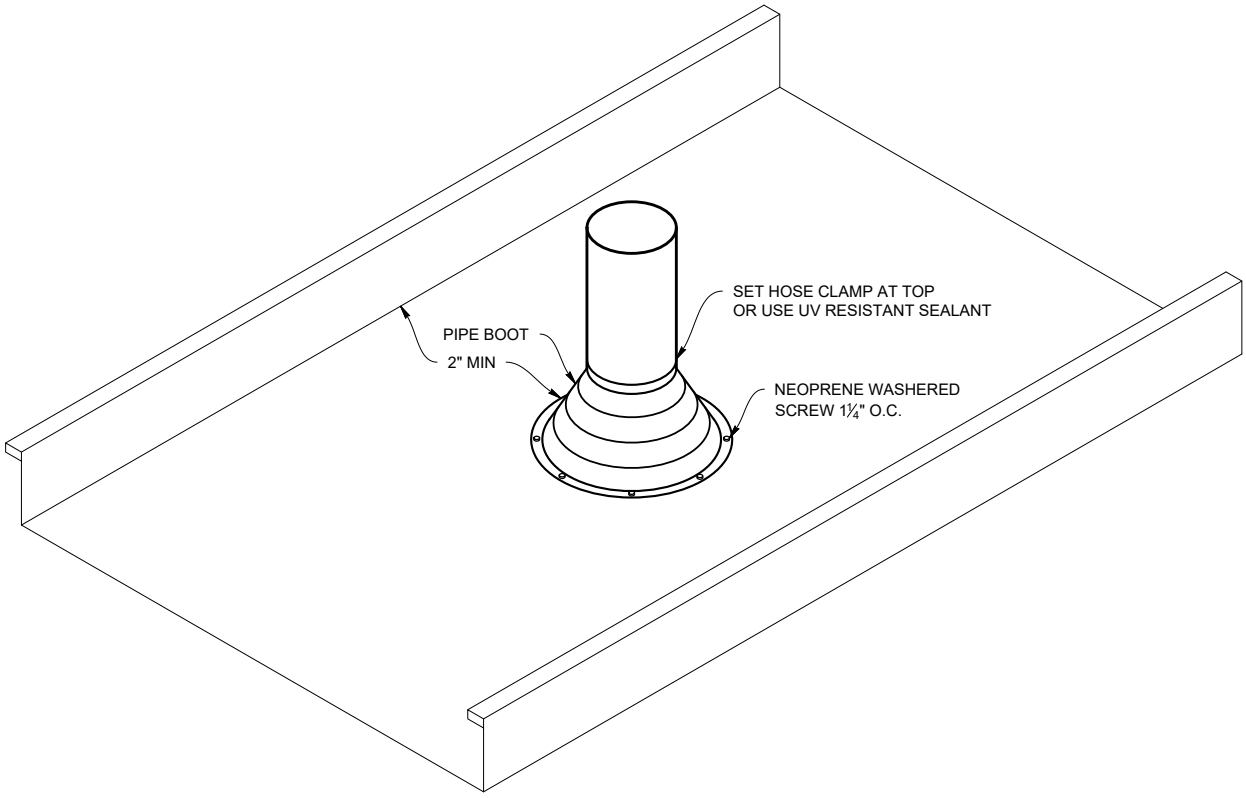



**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable sealant.

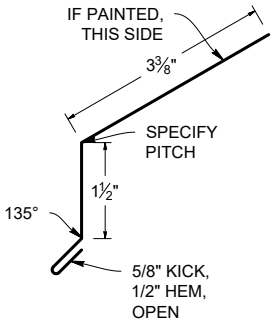
# Pipe Penetration - on Pan



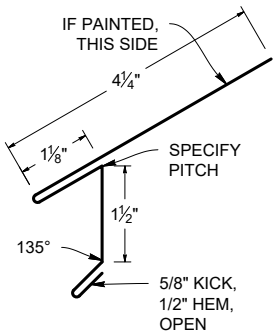

**Note:** All screws must be fastened into solid substrate.
Flashing must be lapped 4" with 3 rows of gunnable sealant.

## EAVE STANDARD
**( MS200ES )**



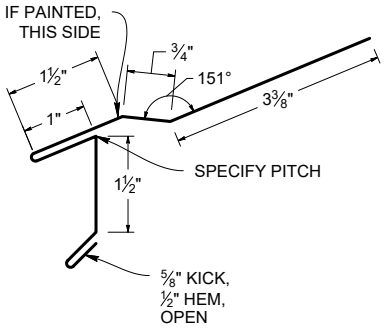

**SCALE 1:3** **S.O. 6"** **WEIGHT: 4.9 LBS.**

## EAVE HOOK
**( MS200EH )**



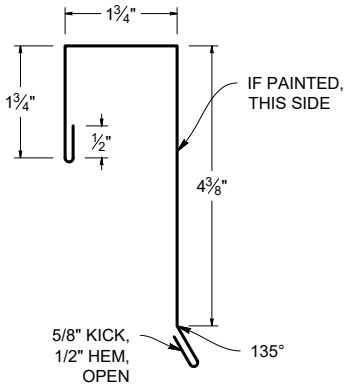

**SCALE 1:3** **S.O. 8"** **WEIGHT: 6.5 LBS.**

## ALT. EAVE
**( MS200EA )**



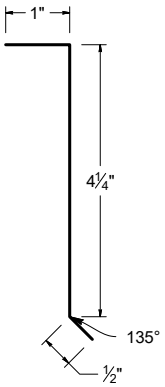

**SCALE 1:3** **S.O. 9.25"** **WEIGHT: 7.3 LBS.**

## GABLE STANDARD
**( MS200GS )**




**SCALE 1:3** **S.O. 9.5"** **WEIGHT: 7.7 LBS.**

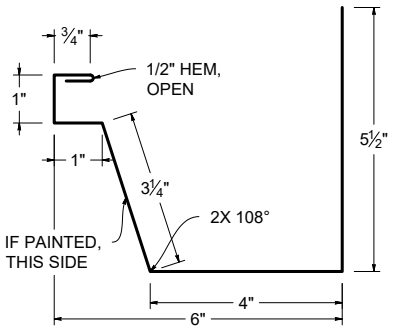
## GABLE SUPPORT CLEAT
**( MS200GC )**




**NON-VISIBLE / SUB-FLASHINGS ARE NOT PROVIDED IN SPECIFIC COLORS UNLESS SPECIFIED**

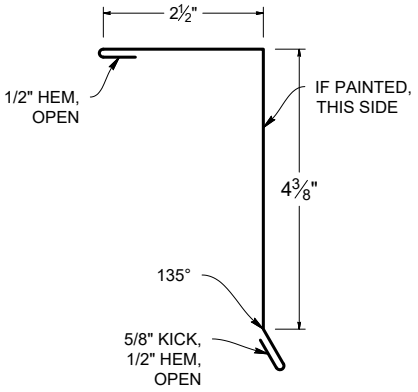
**SCALE 1:3** **S.O. 5.75"** **WEIGHT: 4.7 LBS.**

## BOX GUTTER
**( MS200BG )**



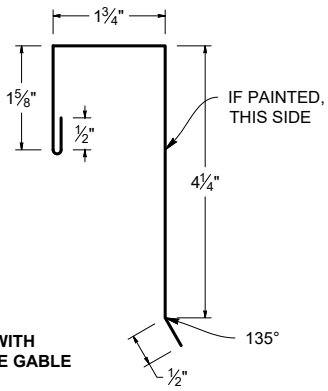

**SCALE 1:4** **S.O. 16"** **WEIGHT: 13.3 LBS.**

## ALT. GABLE
**( MS200AT )**




**SCALE 1:3** **S.O. 8.5"** **WEIGHT: 7 LBS.**

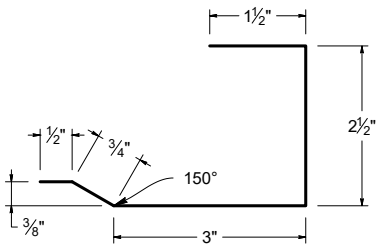
## ALT. GABLE CLEAT
**( MS200AGC )**




***FOR USE WITH ALTERNATE GABLE ONLY**

**SCALE 1:3** **S.O. 8.625"** **WEIGHT: 7.02 LBS.**

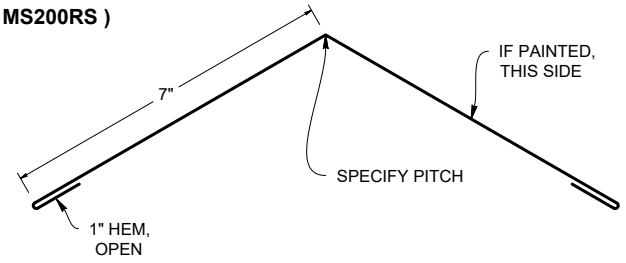
## SUPPORT FLASHING
**( MS200FMSF )**




**NON-VISIBLE / SUB-FLASHINGS ARE NOT PROVIDED IN SPECIFIC COLORS UNLESS SPECIFIED**

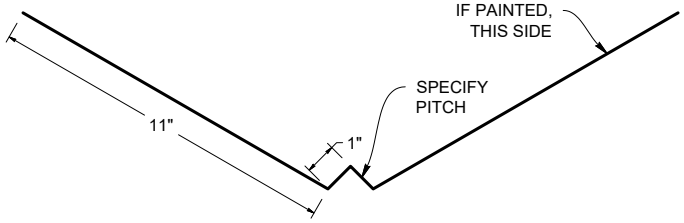
**SCALE 1:3** **S.O. 8.25"** **WEIGHT: 5.8 LBS.**

## STANDARD RIDGE
**( MS200RS )**



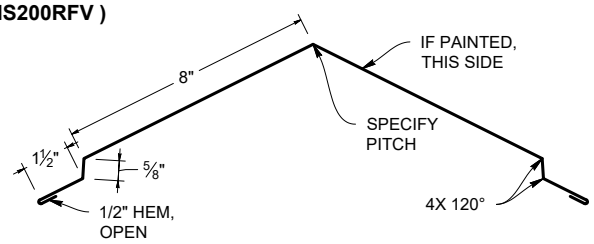

**SCALE 1:4** **S.O. 16"** **WEIGHT: 13.1 LBS.**

## VALLEY FLASHING
**( MS200VF )**



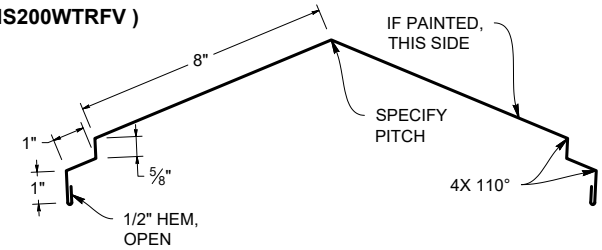

**SCALE 1:6** **S.O. 24"** **WEIGHT: 19.5 LBS.**

## RIDGE FULL VENTED
**( MS200RFV )**



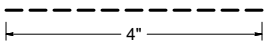

**SCALE 1:6** **S.O. 21.25"** **WEIGHT: 17.3 LBS.**

## WT RIDGE FULL VENTED
**( MS200WTRFV )**



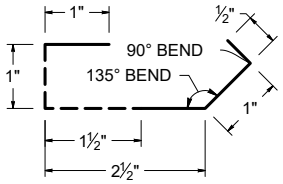

**SCALE 1:6** **S.O. 22.25"** **WEIGHT: 18.1 LBS.**

## PERFORATED STRIP
**( MS200PS )**



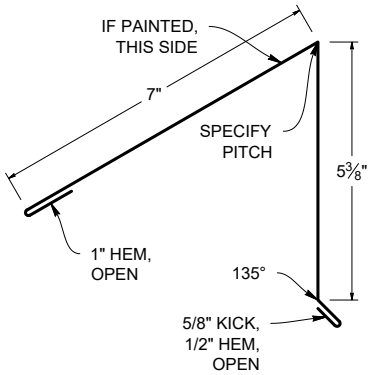

**SCALE 1:3** **S.O. 4"** **WEIGHT: 3.3 LBS.**

## PERFORATED VENT DRIP
**( MS200PVD )**



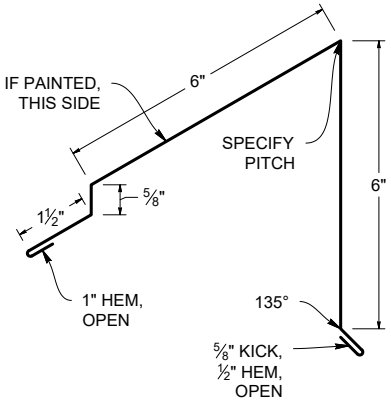

**SCALE 1:3** **S.O. 6"** **WEIGHT: 4.9 LBS.**

## PEAK FLASHING (R.E.C.)
**( MS200REC )**



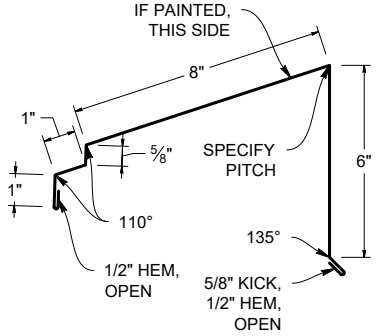

**SCALE 1:4** **S.O. 14.5"** **WEIGHT: 11.8 LBS.**

## VENTED PEAK FLASHING
**( MS200RECV )**



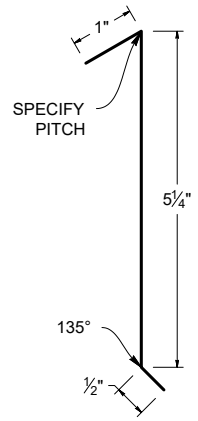

**SCALE 1:4** **S.O. 16.25"** **WEIGHT: 13.2 LBS.**

## WT VENTED PEAK FLASHING
**( MS200WTRECV )**



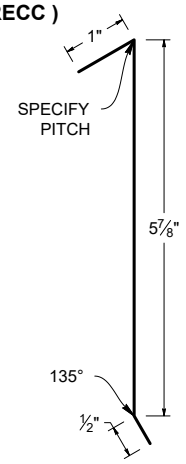

**SCALE 1:6** **S.O. 18.25"** **WEIGHT: 14.9 LBS.**

## PEAK CLEAT
**( MS200RECC )**



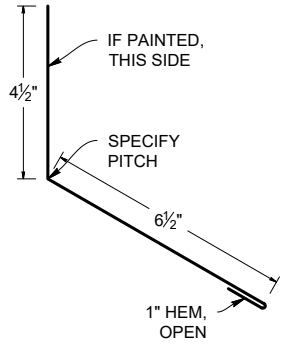

**SCALE 1:3** **S.O. 6.75"** **WEIGHT: 5.5 LBS.**

## VENTED PEAK CLEAT
**( MS200VRECC )**



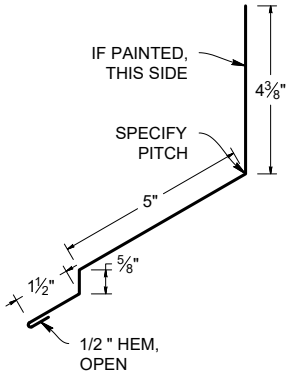

**SCALE 1:3** **S.O. 7.375"** **WEIGHT: 6.0 LBS.**

## ENDWALL
**( MS200EW )**



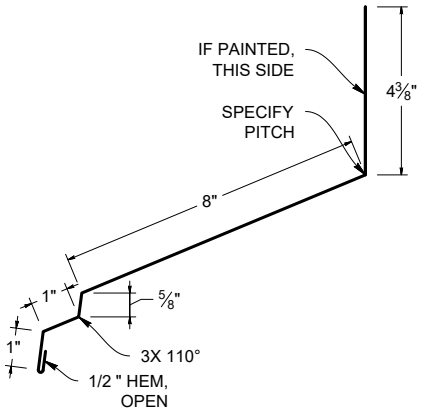

**SCALE 1:5** **S.O. 12"** **WEIGHT: 9.8 LBS.**

## VENTED ENDWALL
**( MS200EWV )**



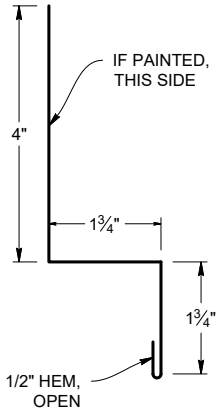

**SCALE 1:5** **S.O. 12"** **WEIGHT: 9.8 LBS.**

## WT VENTED ENDWALL
**( MS200WTEWV )**



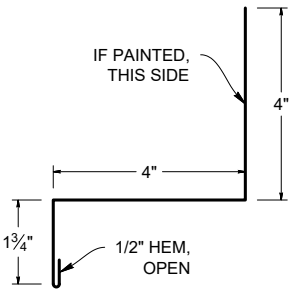

**SCALE 1:4** **S.O. 15.5"** **WEIGHT: 12.6 LBS.**

## SIDEWALL
**( MS200SW )**



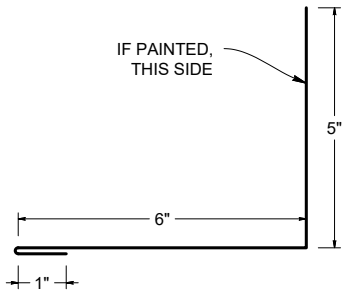

**SCALE 1:3** **S.O. 8"** **WEIGHT: 6.5 LBS.**

## CURB SIDEWALL
**( MS200CSW )**



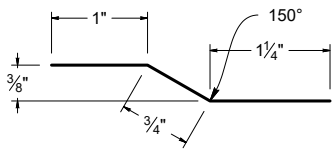

**SCALE 1:4** **S.O. 10.25"** **WEIGHT: 8.3 LBS.**

## CURB ENDWALL
**( MS200CH )**



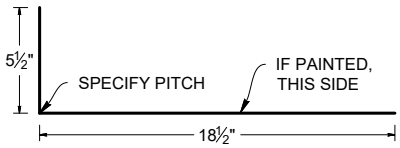

**SCALE 1:4** **S.O. 12"** **WEIGHT: 9.8 LBS.**

## OFFSET CLEAT
**( MS200FMOC )**



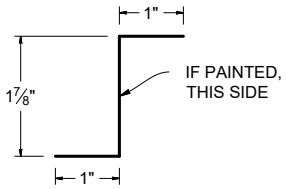

**SCALE 1:2** **S.O. 3"** **WEIGHT: 2.4 LBS.**

## BACK PAN
**( MS200PAN )**



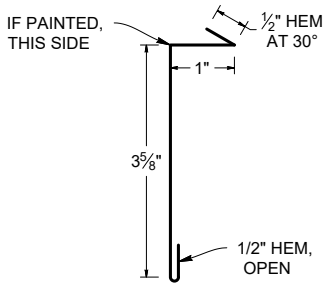

**SCALE 1:10** **S.O. 24"** **WEIGHT: 19.5 LBS.**

## ZEE CLOSURE
**( MS200ZC )**



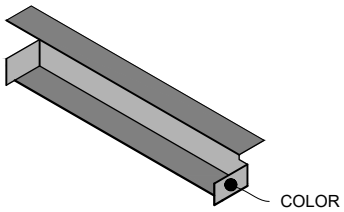

**SCALE 1:3** **S.O. 3.875"** **WEIGHT: 3.1 LBS.**

## REGLET
**( MS200RF )**




**SCALE 1:3** **S.O. 5.625"** **WEIGHT: 4.6 LBS.**

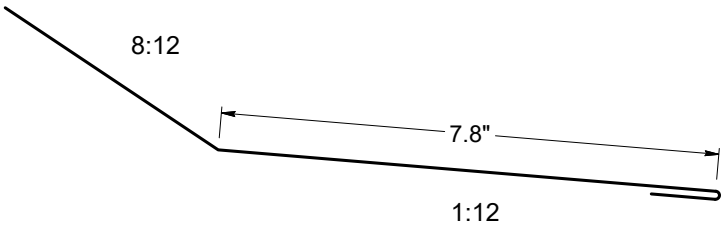
## END DAM




**SCALE 1:10** **S.O. VARIES** **WEIGHT: VARIES**

# Pitch Change Variables

| Upper Leg Pitch | Lower Leg Pitch | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Inside Pitch Change | Flat | 1:12 | 2:12 | 3:12 | 4:12 | 5:12 | 6:12 | 7:12 | 8:12 | 9:12 | 10:12 | 11:12 |
| | 1:12 | 18.1” | - | - | - | - | - | - | - | - | - | - | - |
| | 2:12 | 12” | 18.2” | - | - | - | - | - | - | - | - | - | - |
| | 3:12 | 10” | 12.1” | 18.5” | - | - | - | - | - | - | - | - | - |
| | 4:12 | 9” | 10.1” | 12.3” | 19” | - | - | - | - | - | - | - | - |
| | 5:12 | 8.4” | 9.1” | 10.3” | 12.6” | 19.7” | - | - | - | - | - | - | - |
| | 6:12 | 8” | 8.5” | 9.25” | 10.5” | 13” | 20.5” | - | - | - | - | - | - |
| | 7:12 | 7.7” | 8.1” | 8.6” | 9.4” | 10.8” | 13.4” | 21.5” | - | - | - | - | - |
| | 8:12 | 7.5” | 7.8” | 8.4” | 8.5” | 9.7” | 11.1” | 14” | 22.7” | - | - | - | - |
| | 9:12 | 7.3” | 7.6” | 7.9” | 8.4” | 9” | 9.9” | 11.5” | 14.6” | 24” | - | - | - |
| | 10:12 | 7.2” | 7.4” | 7.7” | 8.1” | 8.6” | 9.2” | 10.25” | 11.4” | 15.3” | 25.6” | - | - |
| | 11:12 | 7.1” | 7.3” | 7.5” | 7.8” | 8.2” | 8.7” | 9.5” | 10.6” | 12.4” | 16.1” | 27.2” | - |
| | 12:12 | 7” | 7.2” | 7.4” | 7.7” | 8” | 8” | 9” | 9.8” | 11” | 13” | 17” | 29.1” |




EXAMPLE: If the Upper Leg Pitch is 8:12 and the Lower Leg Pitch is 1:12, as labeled on the left, then the lower leg will end up being 7.8" long.

TAYLOR METAL PRODUCTS

# Order Form

Inside Sale: _____

☐ New Order ☐ Add-on Order ☐ Quote

PO #: _____ Date: _____

Sold To: _____

Job Name: _____

Ship To: _____

Order Contact: _____

Phone #: _____

Fax #: _____

☐ Will Call ☐ Delivery

Day: _____ Delivery Date: _____

☐ Agricultural ☐ Residential ☐ Commerical Route: _____

**Standard Panels are in Bold font.**

- ☐ **PBR**
- ☐ **Marion "R" Panel**
- ☐ **Max Corr**
- ☐ **2-1/2" Corrugated**
- ☐ **Classic 7/8" Corrugated**
- ☐ **GR-7**
- ☐ **HR-34**
- ☐ **T-3**
- ☐ **Tuff-Rib**

Panels with * need Pattern Choice:

☐ Ribs ☐ Striations ☐ Flat (Flat not available on StreamLine)

Notched? Y / N Clip Relief? Y / N Sealant? Y / N

Notched AND Tabbed? Y / N (REQUIRED together for EasyLock & StreamLine)

Screw Concealer? Y / N (Standard for Ribs and Striations)

- ☐ **12" Easy-Lock***
- ☐ **16" Easy-Lock***
- ☐ **16" StreamLine***
- ☐ ShadowLine**(circle): 1", or 1-1/2"
  *1/2" to 3" Reveal:* _____
- ☐ **1"x12" SmoothWall****
- ☐ **1"x12" Lifetime Soffit****

Panels with ** need Pattern Choice:

☐ Striations ☐ Flat ☐ 1 V-Groove ☐ 2 V-Grooves

Perforated? (Available on Lifetime Soffit Only)

- ☐ **15 5/8" Slim-Lock***
- ☐ 12" MS-200*
- ☐ **14" MS-200***
- ☐ 16" MS-200*
- ☐ **18" MS-200***
- ☐ **12" MS-150***
- ☐ **16" MS-150***
- ☐ **20" MS-150***
- ☐ **13" MS-100***
- ☐ **17" MS-100***
- ☐ Other Panel: _____

Color: _____

Pitch: _____

Gauge: _____

Dmatch: _____

Pallet: 10' 20' 30'

- ☐ 12" Versa-Span*
- ☐ **14" Versa-Span***
- ☐ 16" Versa-Span*
- ☐ **18" Versa-Span***
- ☐ **14 5/8" T-Panel***

**Panel & Flashing Items**

*All Kynar Slim-Lock, Easy-Lock, Lifetime Soffit, SmoothWall, ShadowLine, T-Panel, Versa-Span, MS-100, MS-150, & MS-200 flashings are 10'

*All ArmorTech StreamLine, T-3, Tuff Rib, GR7, PBR, HR-32, Marion "R", & Corrugated flashings are 12'6"

| Quantity | Length | Item Description | Part # | Quantity | Length | Item Description | Part # |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Forgetting Anything? Underlayment? Screws? Clips? Caulking? Closures?

4566 Ridge Dr NE • Salem, OR 97301 • F: 503-581-6877 • P: 503-581-8338 • www.taylormetal.com

# Custom Trim Order

TAYLOR METAL PRODUCTS

Customer Name: _____ Job Name: _____

Gauge: _____ Color: _____ Status: ☐ Original ☐ Updated

Specify: ☐ Angles ☐ Color Side ☐ Dimensions ☐ Stretchout _____ Customer Initials

S.O. _____

Dwg #:_____ Pitch:_____ # of Pieces:_____

Description: _____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

S.O. _____

Dwg #:_____ Pitch:_____ # of Pieces:_____

Description: _____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

S.O. _____

Dwg #:_____ Pitch:_____ # of Pieces:_____

Description: _____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

S.O. _____

Dwg #:_____ Pitch:_____ # of Pieces:_____

Description: _____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

**Please provide a drawing for each flashing with precise measurements and angles**
**Fax to: 503-581-6877**

4566 Ridge Dr NE Salem OR 97301 • Phone: 503-581-8338 or 1-800-574-1388 • www.taylormetal.com

TAYLOR METAL PRODUCTS

# Custom Trim Order

Customer Name: _____ Job Name: _____

Gauge: _____ Color: _____ Status: ☐ Original ☐ Updated

Specify: ☐ Angles ☐ Color Side ☐ Dimensions ☐ Stretchout _____ Customer Initials

S.O. _____

Dwg #:_____ Pitch:_____ # of Pieces:_____

Description: _____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

S.O. _____

Dwg #:_____ Pitch:_____ # of Pieces:_____

Description: _____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

S.O. _____

Dwg #:_____ Pitch:_____ # of Pieces:_____

Description: _____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

S.O. _____

Dwg #:_____ Pitch:_____ # of Pieces:_____

Description: _____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

**Please provide a drawing for each flashing with precise measurements and angles**

**Fax to: 503-581-6877**

4566 Ridge Dr NE Salem OR 97301 • Phone: 503-581-8338 or 1-800-574-1388 • www.taylormetal.com

# TAYLOR METAL PRODUCTS

## QUALITY PRODUCTS
## EXCEPTIONAL SERVICE


**SALEM BRANCH**
4566 Ridge Dr. NE
Salem, OR 97301

Office: 503-581-8338
Toll Free: 1-800-574-1388
Fax: 503-581-6877

**SACRAMENTO BRANCH**
3443 Airport Rd,
Sacramento, CA 95834

Office: 916-318-8844
Toll Free: 1-800-574-1388
Fax: 916-993-4123

**SPOKANE BRANCH**
1010 N Nelson St.,
Spokane, WA 99202
www.go-rsp.com

Office: 509-535-8667
Toll Free: 800-238-4057
Fax: 509-535-8682

**AUBURN BRANCH**
2601 C St SW,
Auburn, WA 98001

Office: 206-900-9923
Toll Free: 1-800-574-1388
Fax: 253-804-3545

**RIVERSIDE BRANCH**
4880 Felspar St.
Riverside, CA 92509

Office: 323-407-7457
Toll Free: 1-877-504-1594