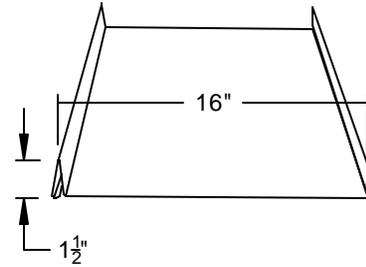




1 1/2" SSR

Detail Manual and
Estimate Guide



PROPER STORAGE

When moisture remains in contact with Galvanized panels in the absence of freely circulating air, white, black, or gray corrosion begin to form. Moisture can get between stacked panels either through capillary action or atmospheric humidity. If moisture becomes entrapped between the sheets, this condition can result in water stains or white rust, which can affect the service life of the metal and will detract from its appearance. If the metal panels will not be installed immediately, store them in a well-ventilated, dry area to minimize exposure to moisture. Use wood blocking to elevate the panels at least 1 foot off the ground in an inclined position. This will allow circulation of air between the panels and provide drainage. If outdoor storage cannot be avoided, protect the metal with a breathable canvas or waterproof paper cover. Leave the bottom of the cover loose to allow air circulation between the sheets. **Do NOT use plastic which causes sweating or condensation.**

PROPER HANDLING

Panel crates must be lifted at bundle block locations. Center the load on lifting device and do NOT unload in jerking or bouncing fashion. This may cause package to slide on forks and damage panels.

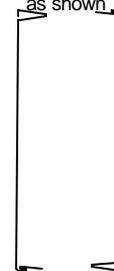
Do NOT lift materials with ropes or wires.

Do NOT lift panels greater than 25'-0" long without a spreader bar.

Do NOT lift panels from ends while flat. Lift panels on edge when moving individual panels or when moving onto the roof.

Panels should be lifted and carried on edge with one worker for each 10'-0" of panel.

Carry on edge
as shown



NOTE: Before installation, **remove the clear strippable film** that is applied to the painted side of the overlap leg. This film is for transportation protection only, and if left on, will be baked onto the paint finish by the sun.

FABRAL—The pursuit of excellence since 1967

** Due to product improvements, changes and other factors, Fabral reserves the right to change or delete information herein without prior notice or obligation to make changes in products previously purchased.



Profile Availability:

Galvanized Steel

Weight = 151.6 lbs./sq.

Super Alurite® 2000 Plus Paint Finish

Colors Available: White, Evergreen, Charcoal, Brick Red, Hickory Moss,

Antique Bronze, Classic Burgundy, Caribbean Blue & Acrylic Coated Galvalume

Minimum Slope: 1" in 12"

(All panels are Factory Caulked, unless otherwise specified)

Lengths: Minimum 7' - Maximum 47'-6"

Panel does NOT endlap-contact FABRAL about long length roof runs

The information in this booklet has been prepared to assist the designer and installer with the proper application of FABRAL's 1-1/2" SSR roof system. Since each project is unique, the information is intended to be used as a guideline and in no way insures proper application of the 1-1/2" SSR.

PRE-Installation:

Note 1: Lead and copper flashings from existing chimneys, skylights, endwalls and other areas must be removed prior to installation of the new galvanized 1-1/2" SSR. Lead and copper are corrosive when used with galvanized steel.

Note 2: Proper design for attic ventilation for the particular building is the responsibility of the designer, engineer or homeowner, and should comply with local codes. Ventilation design is not the responsibility of FABRAL. With any metal roof system vented soffits, gable vents, and/or ridge vents can be used as part of the overall design.

Note 3: All panels are factory caulked with a 1/8" bead of butyl sealant in the overlapping rib. This caulking may not be visible within 6" of the end of the panels, but can be found inside the overlap rib. Smearred caulking can be removed from the roof with mineral spirits and a soft cloth.

Installation:

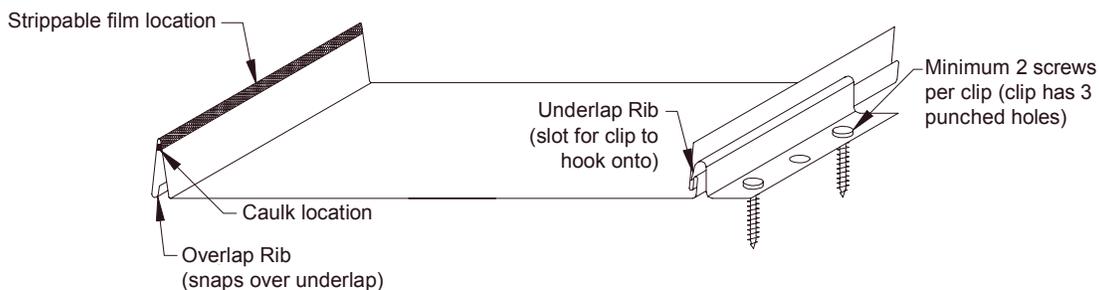
1. Check the support system or roof deck to be sure all supports are installed straight, square and in plane.
Typically a minimum 5/8" plywood or 2x4 purlins/furring is used as support for the 1-1/2" SSR metal roof system. 7/16 OSB or wafer board decking is NOT recommended due to poor screw attachment values. (Refer to load tables on page 3).
2. Install specified underlayment (such as a minimum 30# felt, Roofguard and/or "Ice and Water Shield").
3. Install the eave trim. As shown in detail.
4. Notch eave of panel 1" and bend the hem under by using the hem-bending tool. Snip off underlap rib flush with the hem edge of the panel pan. Trim and fold overlap rib of panel to provide a clean closed panel rib appearance. Use Sikaflex sealant on this portion of the rib to provide a weather tight seal. REMOVE the clear strippable film on the painted side of the overlap rib before installing!
5. Starting at the gable end, install the first 1-1/2" SSR panel parallel to the gable with the overlap edge along the gable. Apply tape caulk and place sliding gable cleat over overlap edge and screw down the gable cleat.
6. Install the 1-1/2" SSR clips at the required spacing along the lengths of the panel, using two (2) #10x1" Pancake woodgrip screws in each clip. Clips should be spaced a maximum of 24" c/c apart, and may require closer spacing over solid decking. (Refer to load table on page 3).
7. Position the next panel over the under-lap leg. Engage 6" to 12" of the overlapping rib and slide the panel open hem over the nose of the eave flashing. Starting at the eave, apply pressure to the overlap rib until it locks into position. Apply continuous pressure on overlap rib so as to snap it down over the under-lap rib. Do this the entire slope along the length of the panel.

NOTE: On steep pitches it may be necessary to put 1 or 2 fasteners through the pan of the panel, at the top of the panel (ridge/hip/endwall) to prevent the panels from sliding down the roof. Make sure these fasteners are above the area where the top metal Z closure will be placed so they are hidden when finished.

8. Slide panel open hem over the nose of the eave flashing and continue the above procedure across length of the roof.
9. To finish the ridge, first install the top metal Z closures. All closures should be set in sealant, on the pan of the panel to insure proper weather tightness. (Once closures are set, install 3 #14x1" MP screws to fasten through the closure and through the panel, into the decking or purlin. **This is critical; these screws hold the panel in place from sliding off of the roof.**) Sikaflex sealant is required to be applied behind all closures, up the rib edges, and butyl sealant applied on top of the metal closures, prior to installing the ridge cap flashing or Coravent ridge vent.
10. Follow similar procedures for completing gable, hip and valley conditions.
11. Prior to the end of each workday, all panels and trim should be adequately fastened to prevent any damage due to wind uplift or gravity. See #7 "Note" about securing panel ends at the ridge/hip/endwall.
12. All flashings should be lapped 4" to 6", sealed with sealant, and stitched together with screws 4" o/c. Flashings should be held in place with continuous cleats or fasteners 16" o/c.

NOTE: Oil-canning can be induced by a variety of conditions, including construction misalignments and is NOT cause for rejection of material.

INSTALLATION TIP: Even pressure should be applied to the overlap rib to provide a "zip-up" type application when snapping the panels together. This assures that the panel will not kink along the rib as the entire length is being snapped together. Caulking in the rib will not allow moving the panel once it is snapped in place. The hem at the eave should be secured in place prior to locking the panels together.



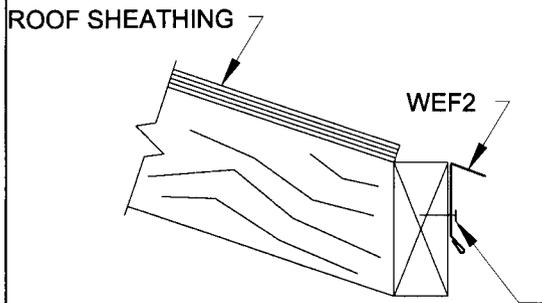
FABRAL recommends spacing the clips 24" apart (maximum) or closer (depending on wind load or bearing design requirements)

ALLOWABLE UPLIFT (PSF) - 24 GA STEEL
Purlin Or Nailer Spacing (Inches)(L)

Substrate	Spans		9"	12"	15"	18"	21"	24"
2x4 SPF	3 OR MORE	Load (lb/sq ft)	273	205	164	136	117	102
1/2" plywood	3 OR MORE	Load (lb/sq ft)	75	56	45	37	32	28
7/16" OSB	3 OR MORE	Load (lb/sq ft)	57	42	34	28	24	21

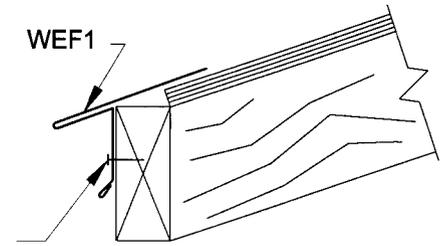
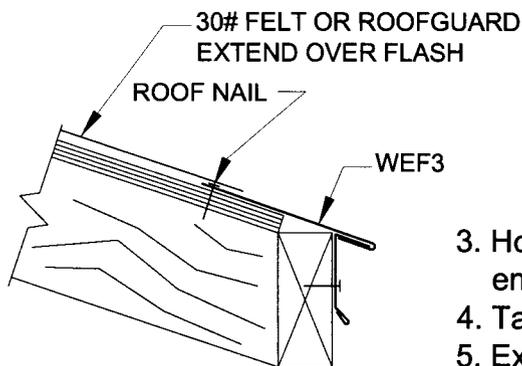
ALLOWABLE LIVE LOAD (PSF) - 24 GA STEEL
Purlin Or Nailer Spacing (inches)

Spans		12"	18"	24"
3 OR MORE	Load (lb/sq ft)	466	207	116

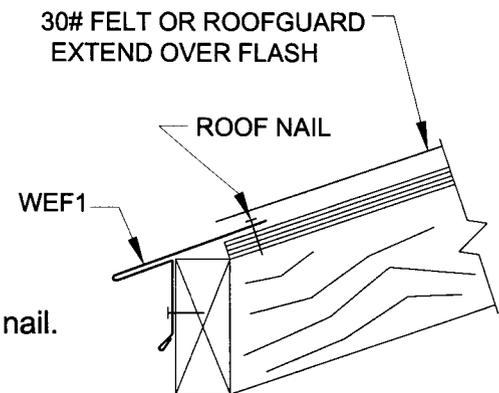
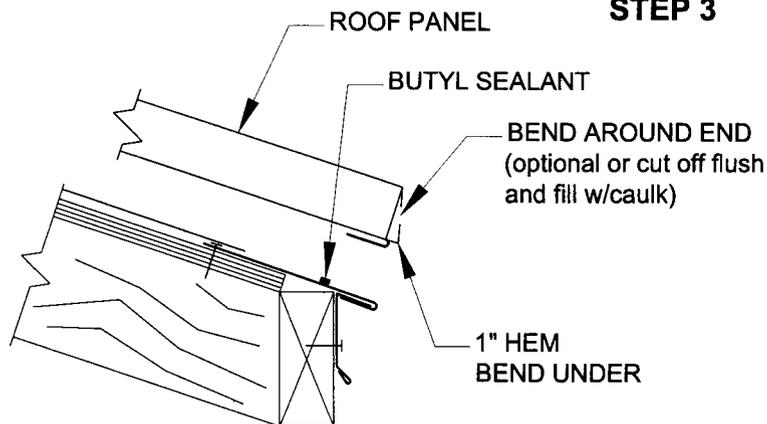
EAVE DETAIL**STEP 1****ONE-PIECE EAVE TRIM****TWO-PIECE EAVE TRIM**

1. Line WEF2 or WEF1 top in line with plywood/purlin.
2. Screw at 16" o.c. across face of trim.

#10 x 1" PAINTED
OR
#14 x 1" PAINTED

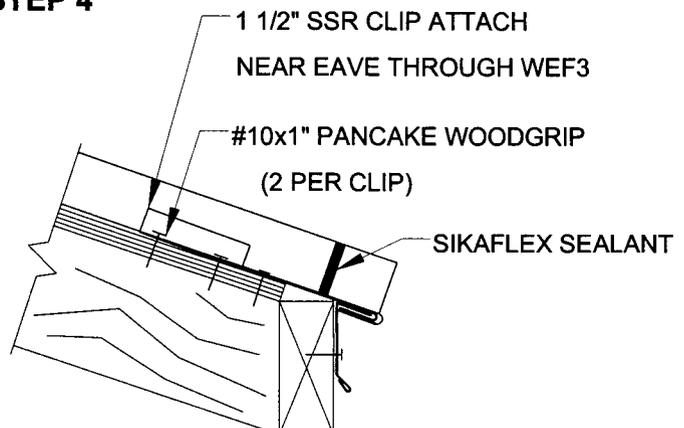
**STEP 2**

3. Hook WEF3 over hem entire length.
4. Tack in place with roofing nail.
5. Extend felt over eave trim.

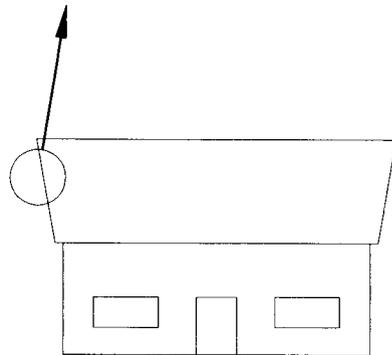
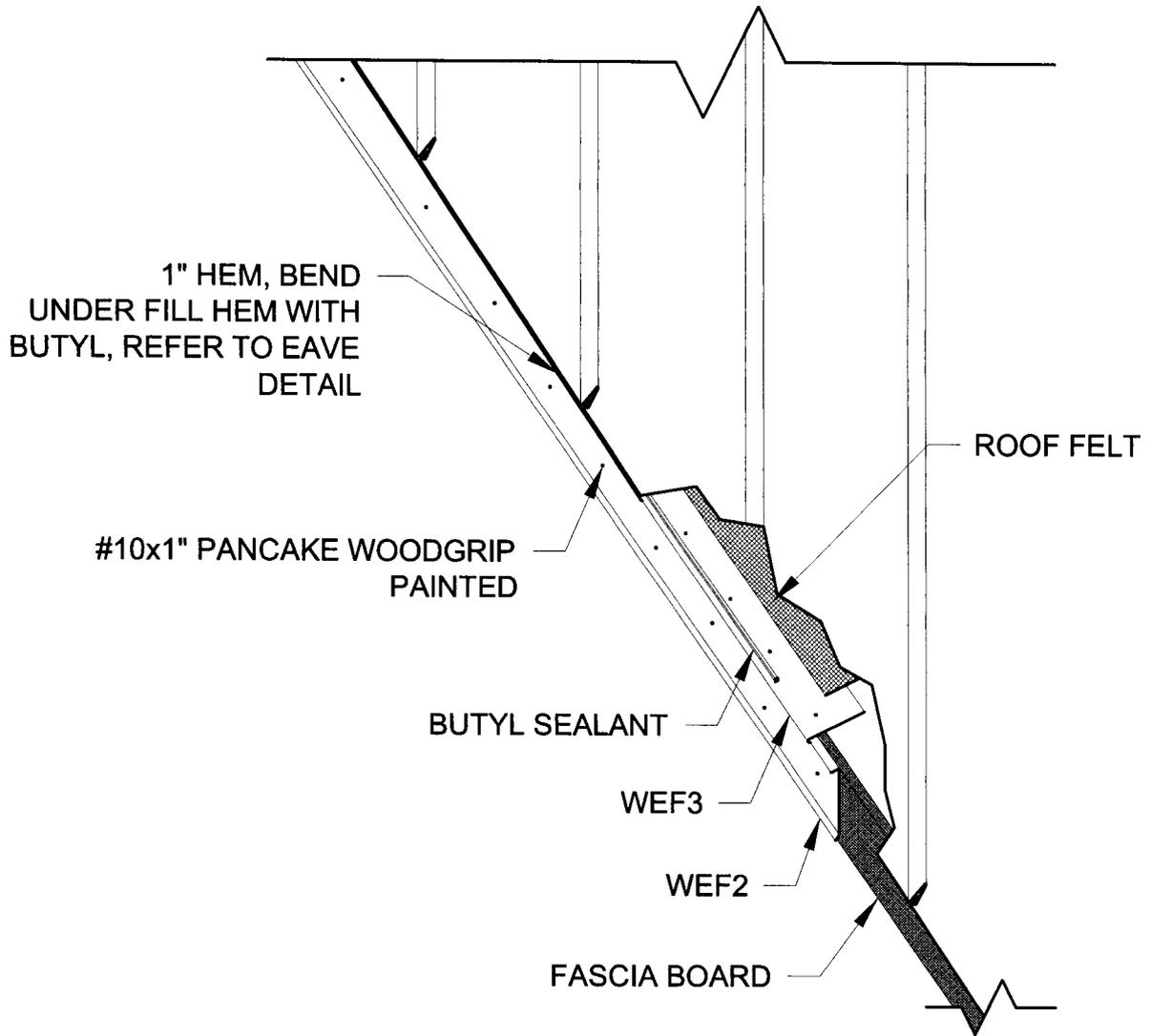
**STEP 3**

6. Mark 1" in pan of panel and cut beside each rib with a tin snips.
7. Use bending tool to bend hem under the panel.
8. Cut underlap leg off completely for 1".
9. Cut overlap leg as shown on angle.
10. Bend around end after panel is installed.

11. Caulk with Sikaflex up underlap leg.
12. Slide panel over eave hem. Snap first 2" to 3" of panel together and then slide panel tight (in warm weather) or with gap (in cold weather) over eave hem.
13. Snap remainder of panel down into place.
14. The eave hem can be tightened with duck-bill vise grips or hemming tool, after all panels are installed.

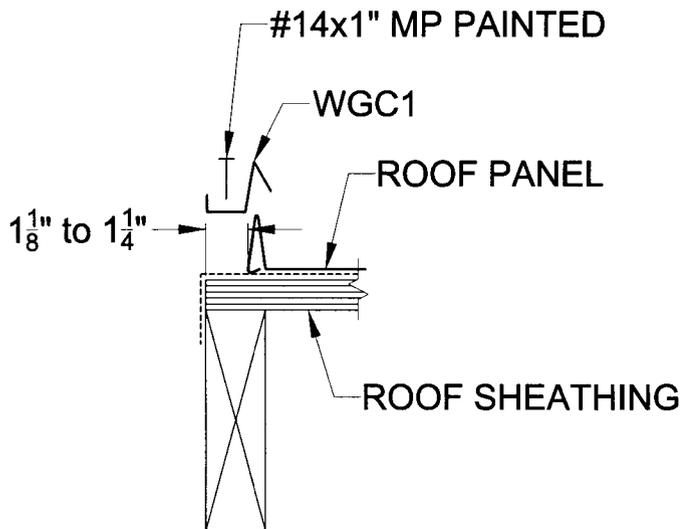
STEP 4

FLYING GABLE DETAIL

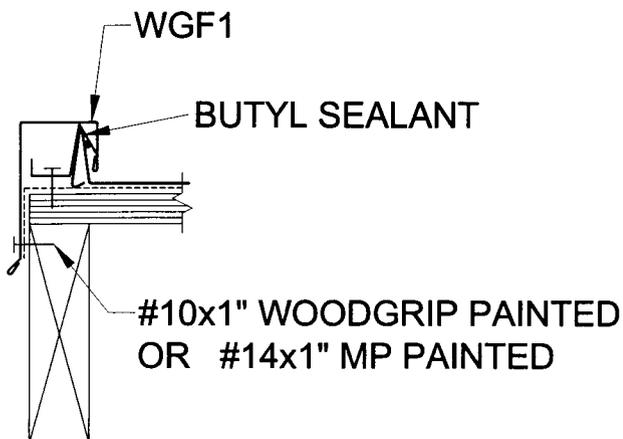


GABLE DETAIL

STARTING GABLE

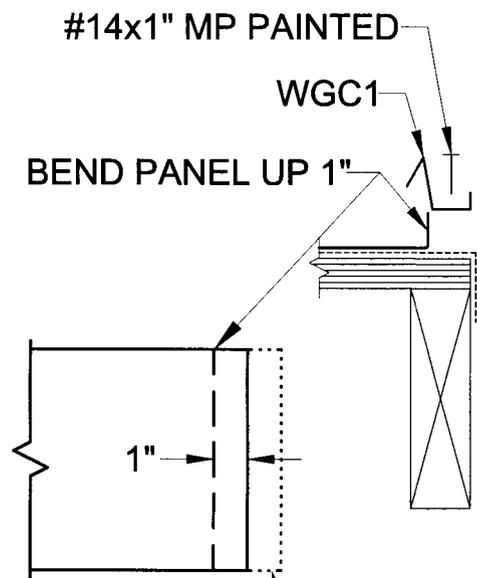


1. Align first panel square from eave to ridge and approximately $1\frac{1}{8}$ " to $1\frac{1}{4}$ " from gable edge.
2. Apply butyl sealant in leg of cleat.
3. Attach cleat flush along gable edge with screws every 12" o.c.
4. Refer to the following page to finish gable trim end (extend trim 2" to 3" over the eave)
5. Place gable flash over cleat and secure to gable fascia every 12" o.c. up gable edge

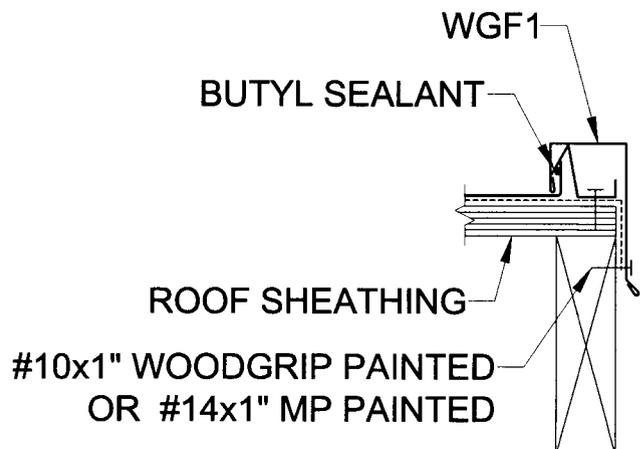


FINISH GABLE

1. Determine final distance "Z" from last panel to the gable edge.
2. Mark and cut final panel $\frac{1}{2}$ " in from distance "Z" entire length of panel.
3. Use bending tool and bend panel up 1" at a 90° angle.
4. Install last panel in place.
5. Apply butyl sealant in leg.
6. Install gable cleat over bent up panel edge. screw fasten cleat in place 12" o.c..
7. Finish the gable flash (following page) install over cleat and fasten 12" o.c.

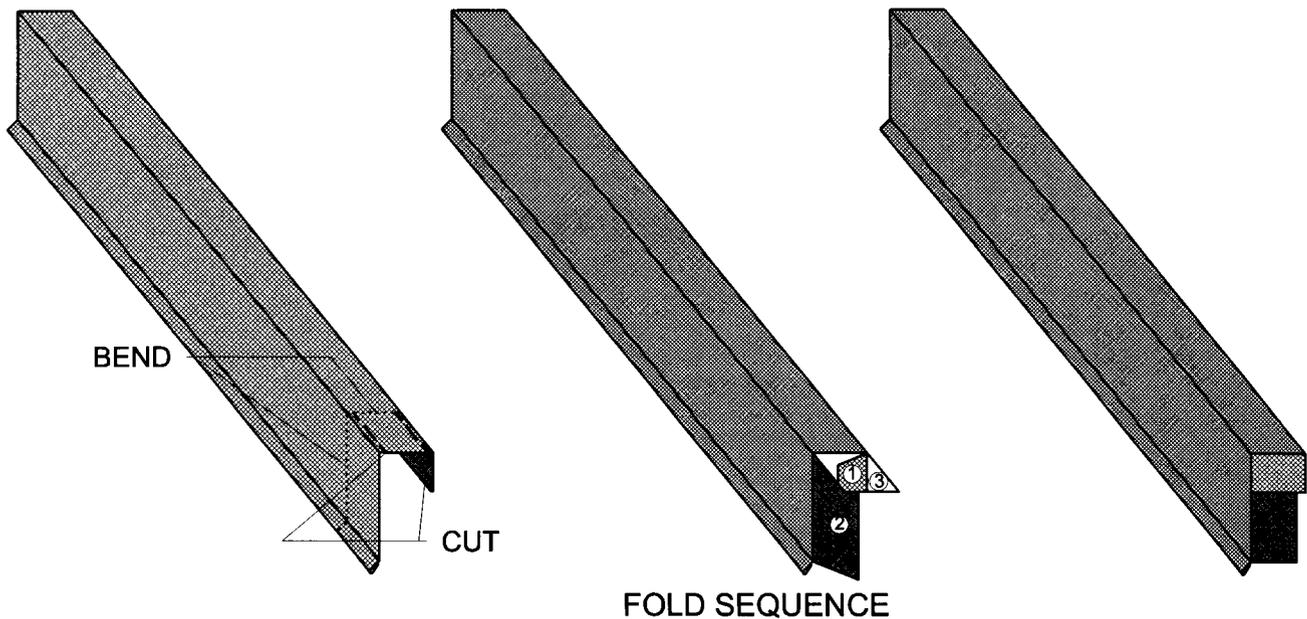


Distance "Z" is cut $\frac{1}{2}$ " + siding thickness from final panel



FINISHING THE GABLE TRIM

7



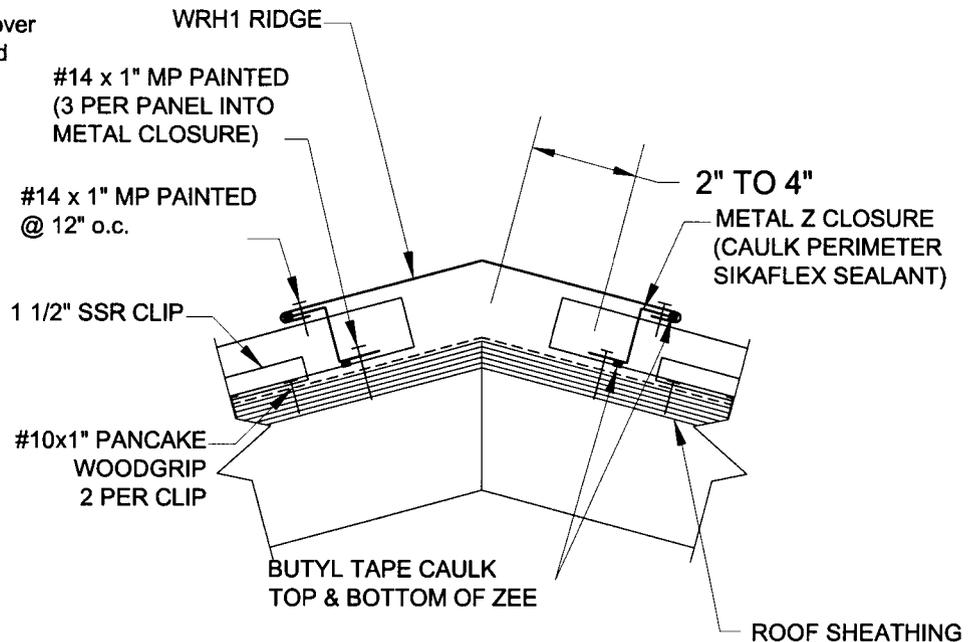
After snapping the gable flash over the cleat, pull the gable flash over the eave end fascia by 2" to 3" to finish fold. See diagram for cuts and bending locations. Always fold the sides in first and fold the top flap down last so water will run off and NOT run in.

RIDGE / HIP DETAIL

1. Place Butyl Tape caulk in pan of panel.
2. Press Metal Zee Closure firmly into caulk bead in pan of panel.
3. Screw fasten closures into panels and purlin/deck using 3 #14 screws per closure UPSLOPE of caulk bead.
4. Use Sikaflex sealant up the back side of the vertical web of closures along the panel ribs and over top flange to seal gaps.
5. Hook ridge/hip flash open hem over Metal Zee closure top flange and secure over other side of Zee.
6. Screw one side every 12" o.c.*

NOTE: Important!!

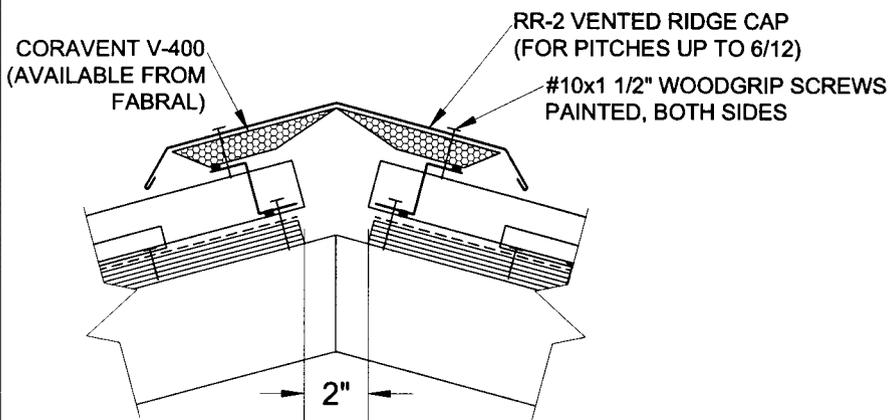
The 1 1/2" SSR panel system is allowed to expand and contract from thermal differences, by the panel sliding in the clips. This makes the 1 1/2" SSR a TRUE standing seam system. **The ridge/hip must be fastened securely through the Top Metal Z Closure/WHC1, through the panel and into the roof decking/purlin with 3 #14x1" Mill Point screws per panel. If these fasteners are omitted the panels may slide off the roof after installation.** The eave is hemmed to allow the panels to move thermally at the eave without disengaging.



VENTED RIDGE OPTION

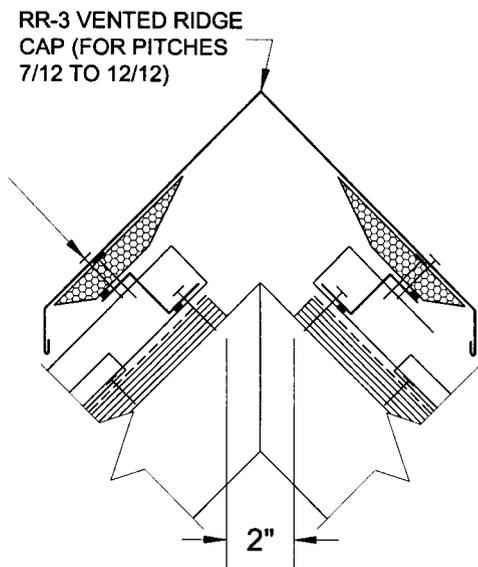
CoraVent

1. Place Butyl Tape caulk in pan of panel.
2. Press Metal Zee Closure firmly into caulk bead in pan of panel.
3. Screw fasten closures into panels and purlin/deck using 3 #14 screws per closure UPSLOPE of caulk bead.
4. Use Sikaflex sealant up the back side of the vertical web of closures along the panel ribs and over top flange to seal gaps.
5. Screw CoraVent to top of zee closure using #10 x 1 1/2" Woodgrip screws.
6. Screw one side every 12"o.c.*

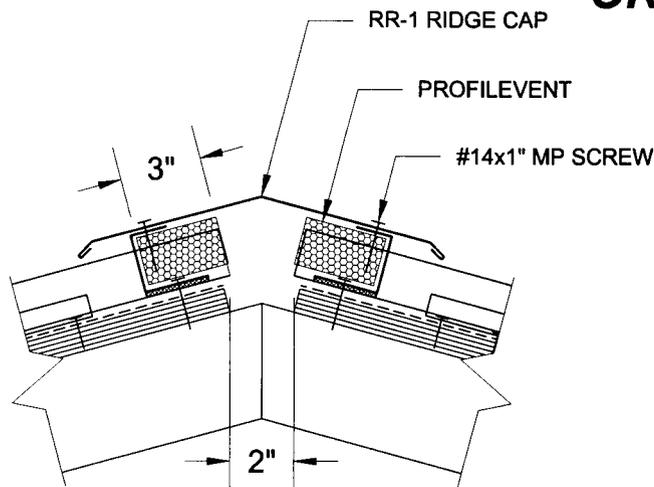


NOTE: Important!!

The 1 1/2" SSR panel system is allowed to expand and contract from thermal differences, by the panel sliding in the clips. This makes the 1 1/2" SSR a TRUE standing seam system. **The ridge/hip must be fastened securely through the Top Metal Z Closure/WHC1, through the panel and into the roof decking/purlin with 3 #14x1" Mill Point screws per panel. If these fasteners are omitted the panels may slide off the roof after installation.** The eave is hemmed to allow the panels to move thermally at the eave without disengaging.



OR

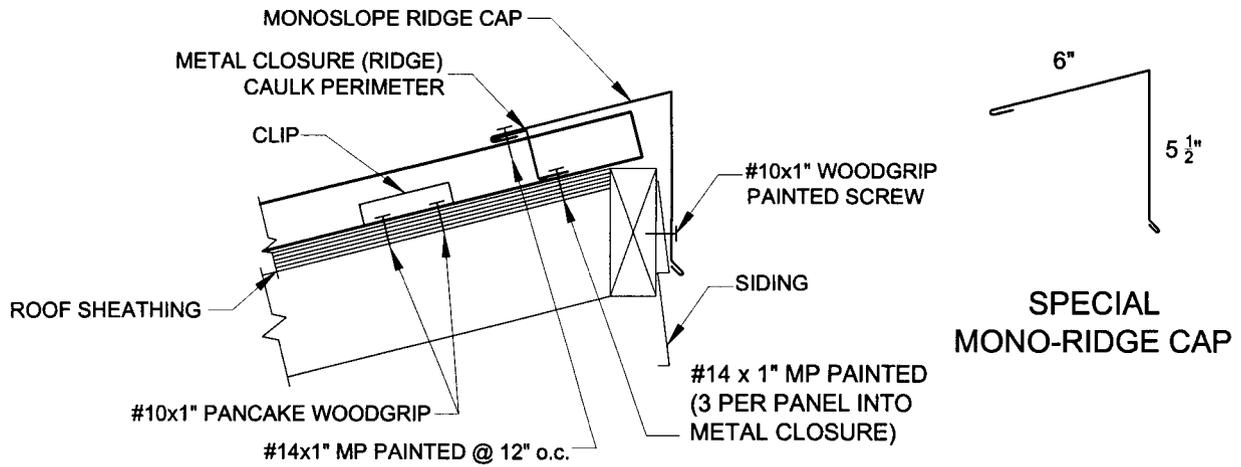


Profile Vent

1. Place Sikaflex sealant completely around the bottom perimeter of metal J-support.
2. Place metal J-support, in pan of panel, with vertical leg approximately 3" from the top of the panel. Press J-support firmly against pan of panel.
3. Screw fasten in center of j-support, using 1 #14x1" MP screw.
4. Place 2 #14 fasteners in pan of panel, one on each side of J-support. Place fastener between J-support and side of panel.
5. Roll Profile Vent across ridge location so that the material fits in the J-support of each panel.
6. Place ridge cap on top of J-support. Fasten 1 #14x1" MP screw through ridge cap and into J-support. (Repeat at every J-support on both sides of ridge cap.)

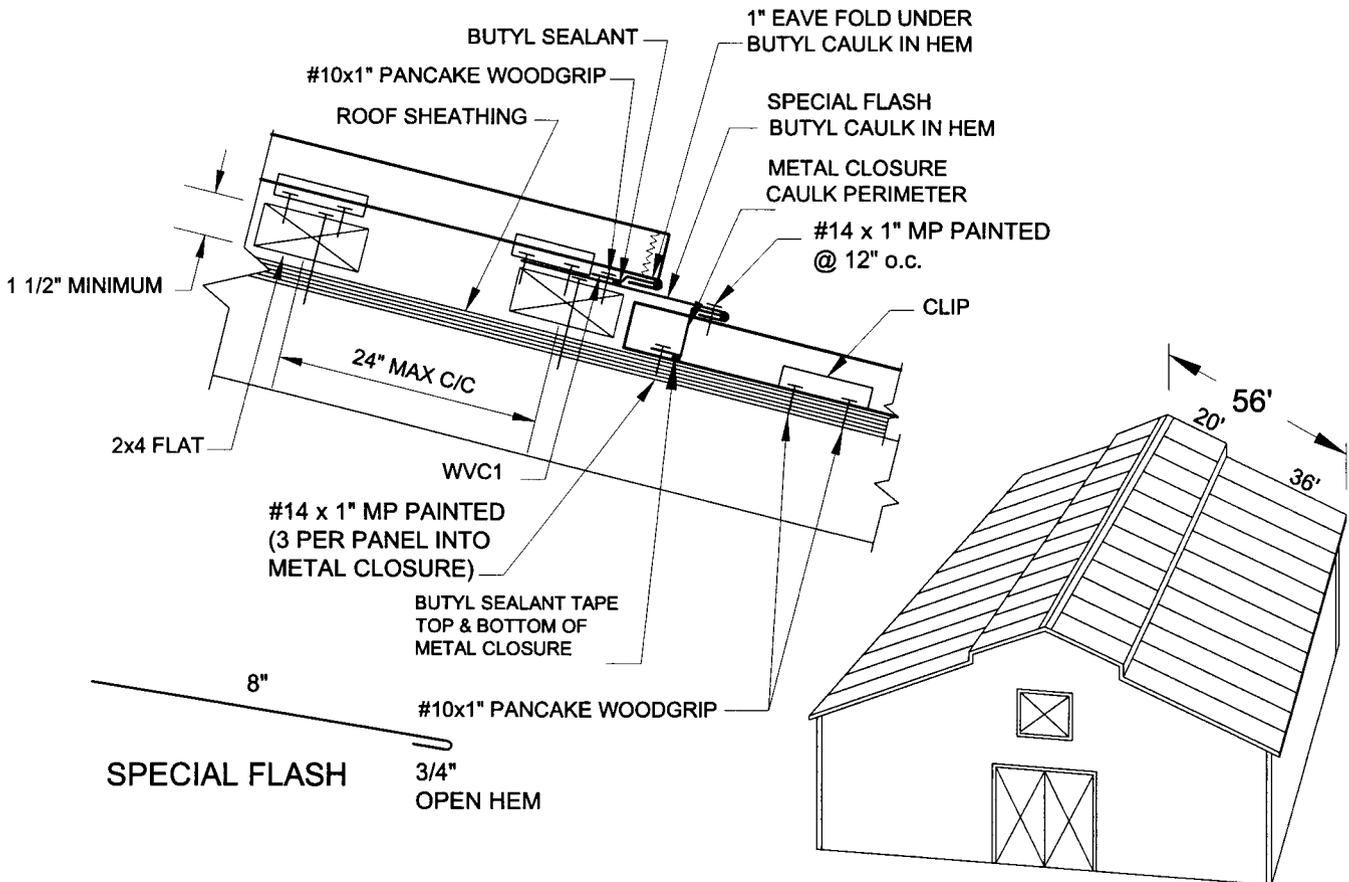
Notes: For vented ridge, figure 2 #10x1 1/2" woodgrip screws for every 1 foot of ridge. CoraVent may need to be cut to fit correctly. For pitches greater than 12/12, contact Fabral.

MONOSLOPE RIDGE DETAIL



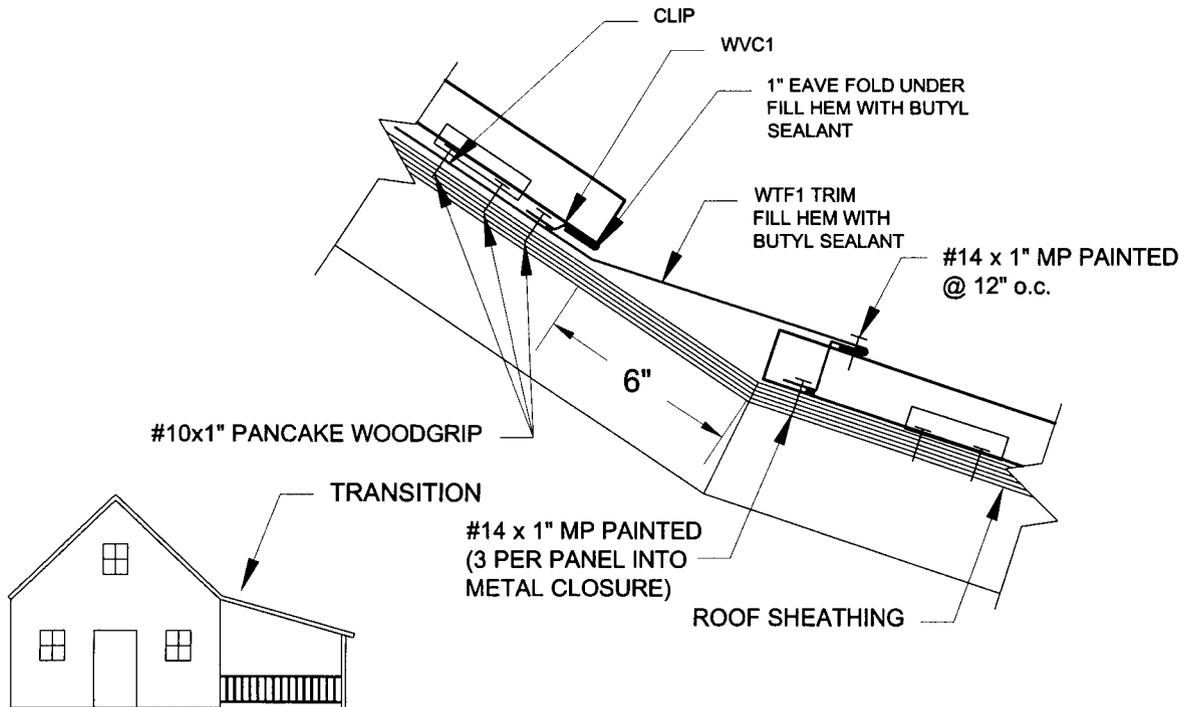
STEP DOWN DETAIL

(FOR PANEL RUNS LONGER THAN 47'-6")

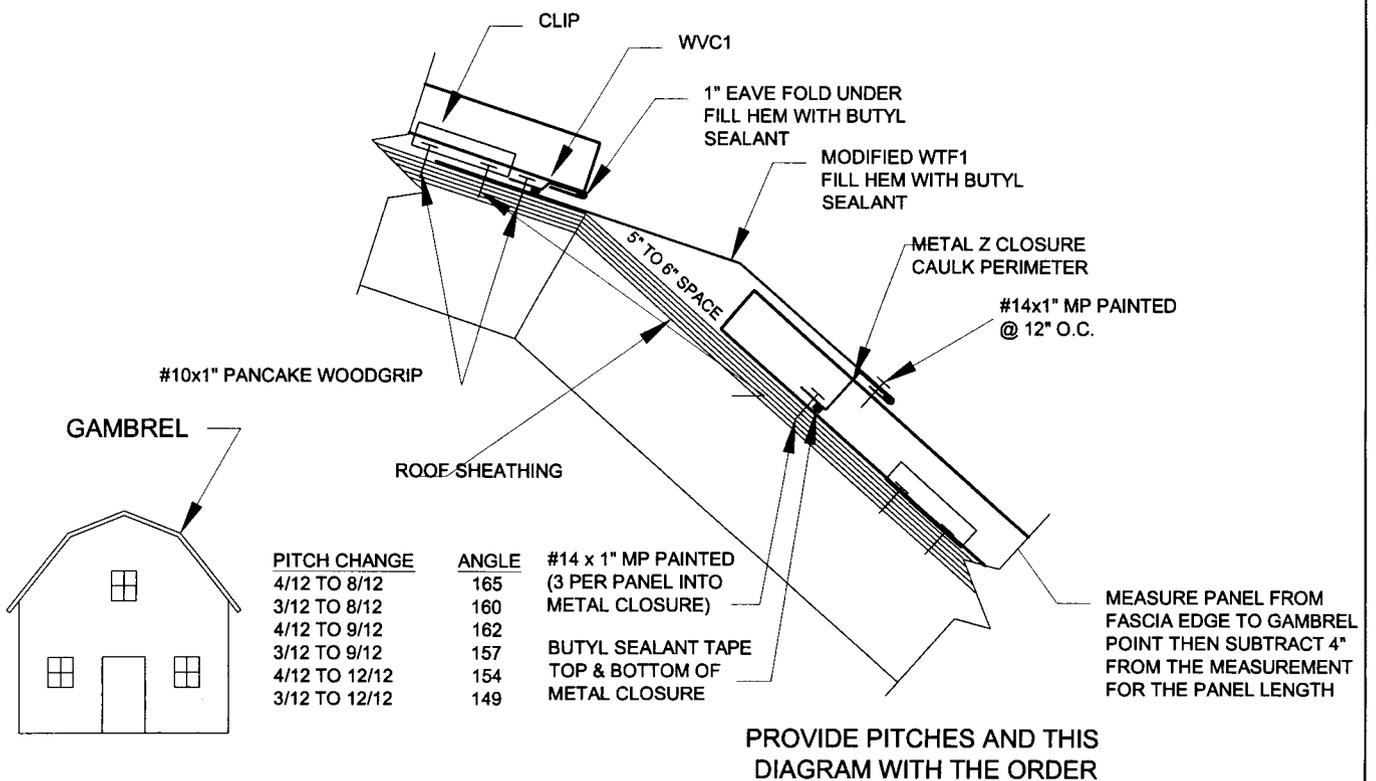


EXAMPLE: 56' LONG RUN FROM RIDGE TO EAVE: USE A 20' PANEL FROM RIDGE TO STEP-DOWN & A 36' PANEL FROM STEP-DOWN TO EAVE.

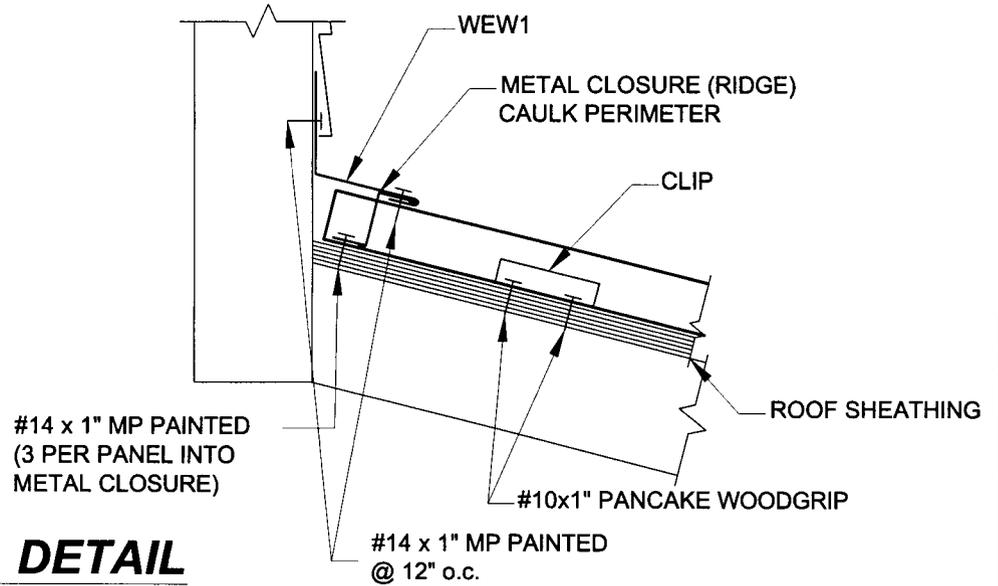
TRANSITION DETAIL



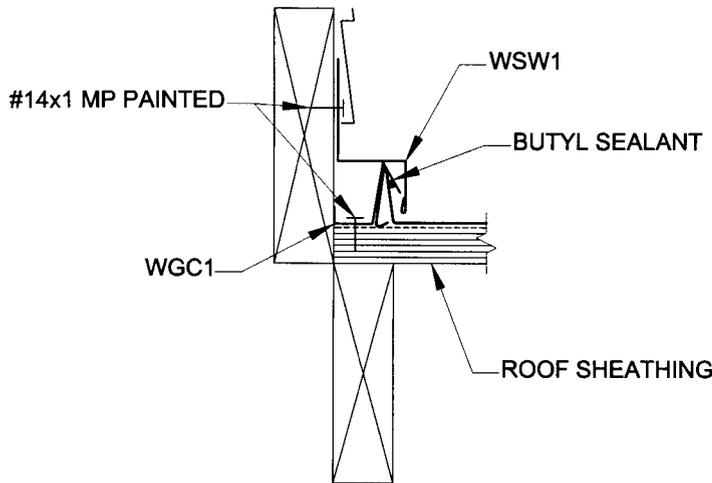
GAMBREL DETAIL



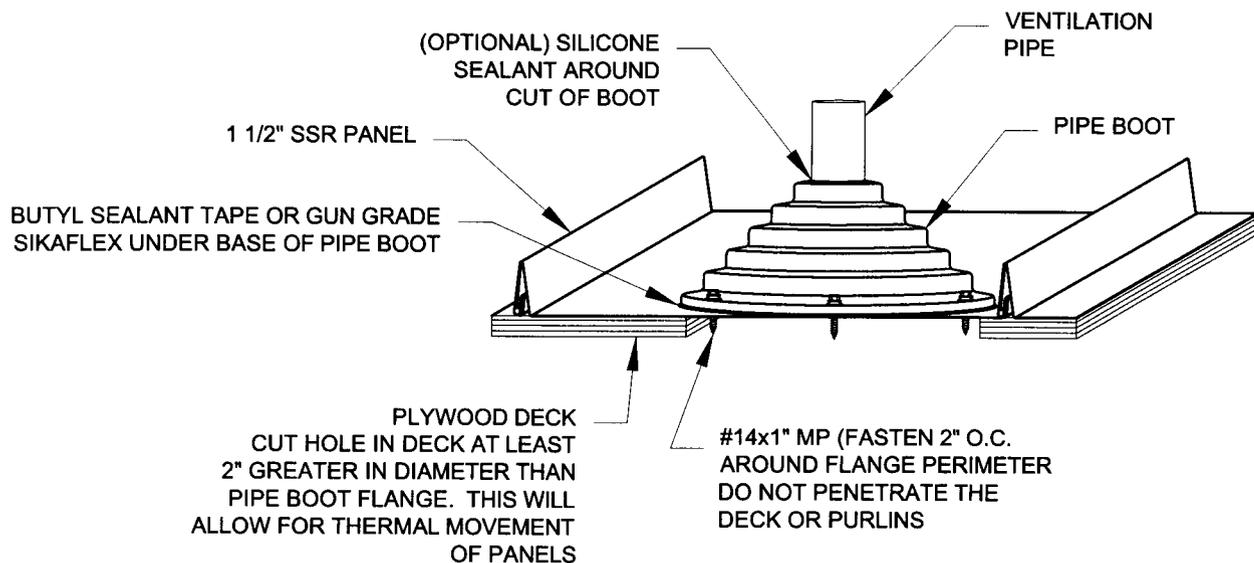
ENDWALL DETAIL



SIDEWALL DETAIL

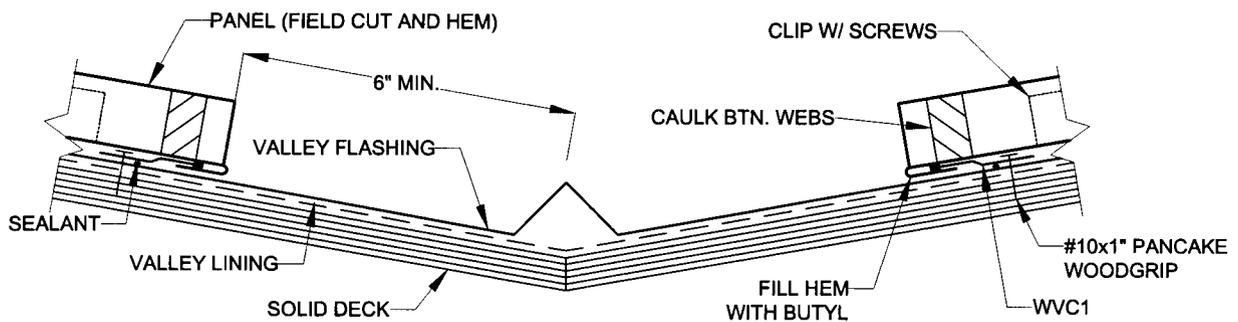
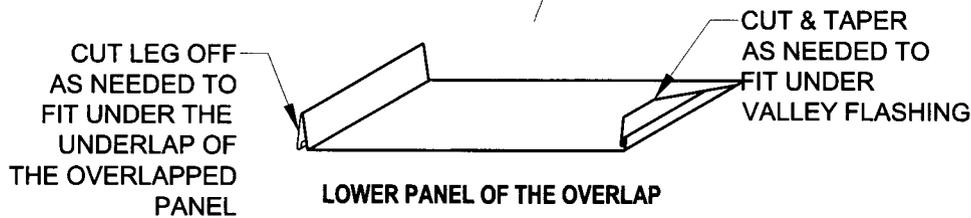
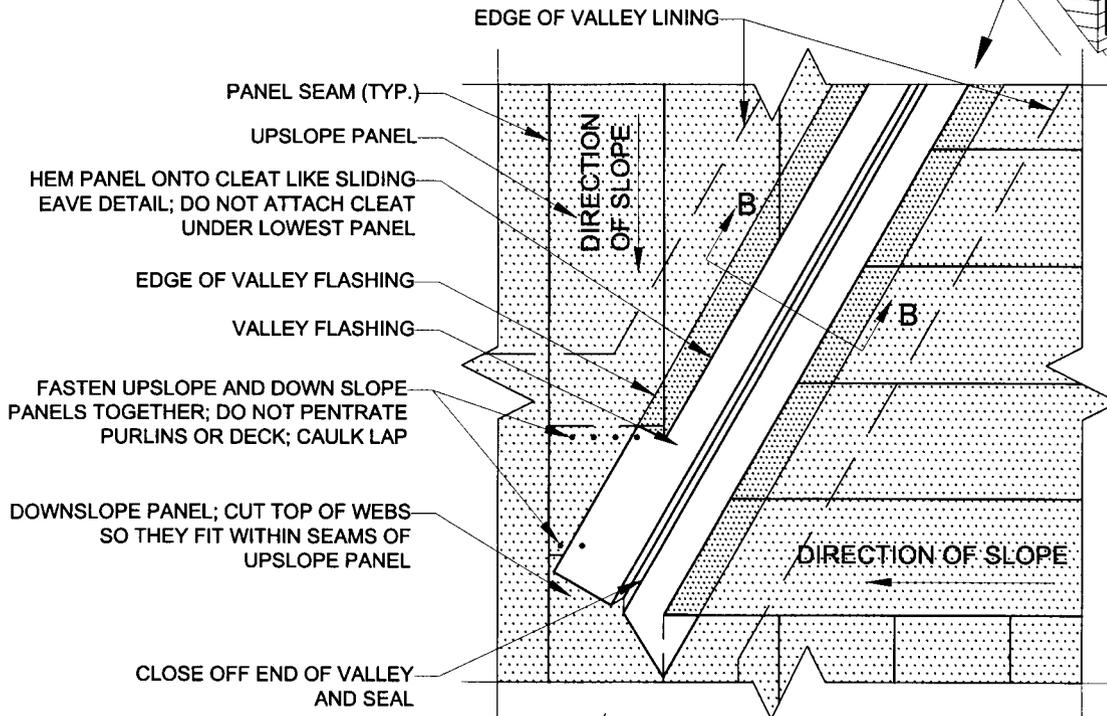


PIPE PENETRATION DETAIL



DORMER & VALLEY DETAIL

PLAN VIEW OF SIDE OF DORMER

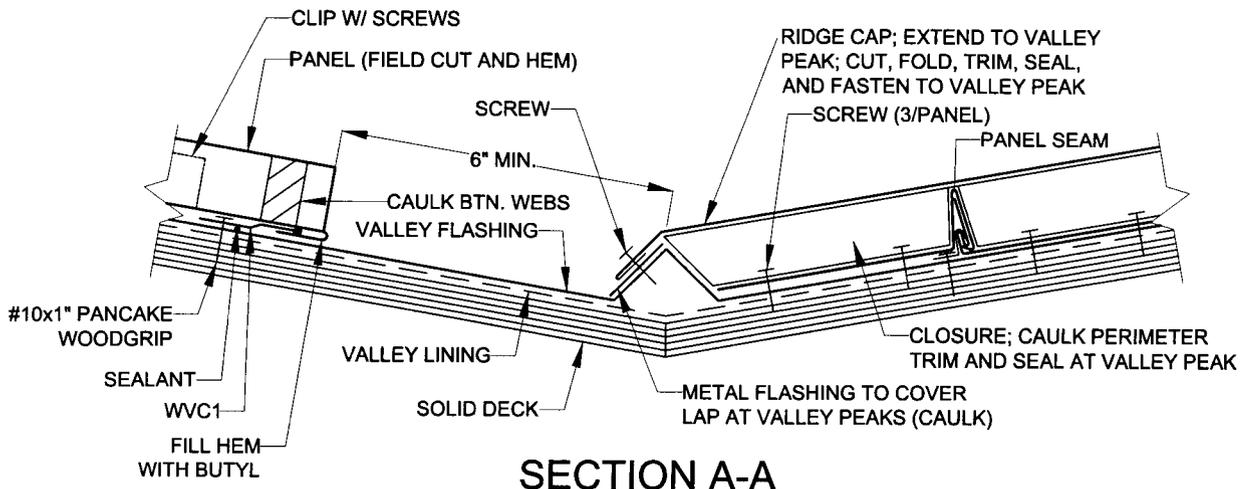
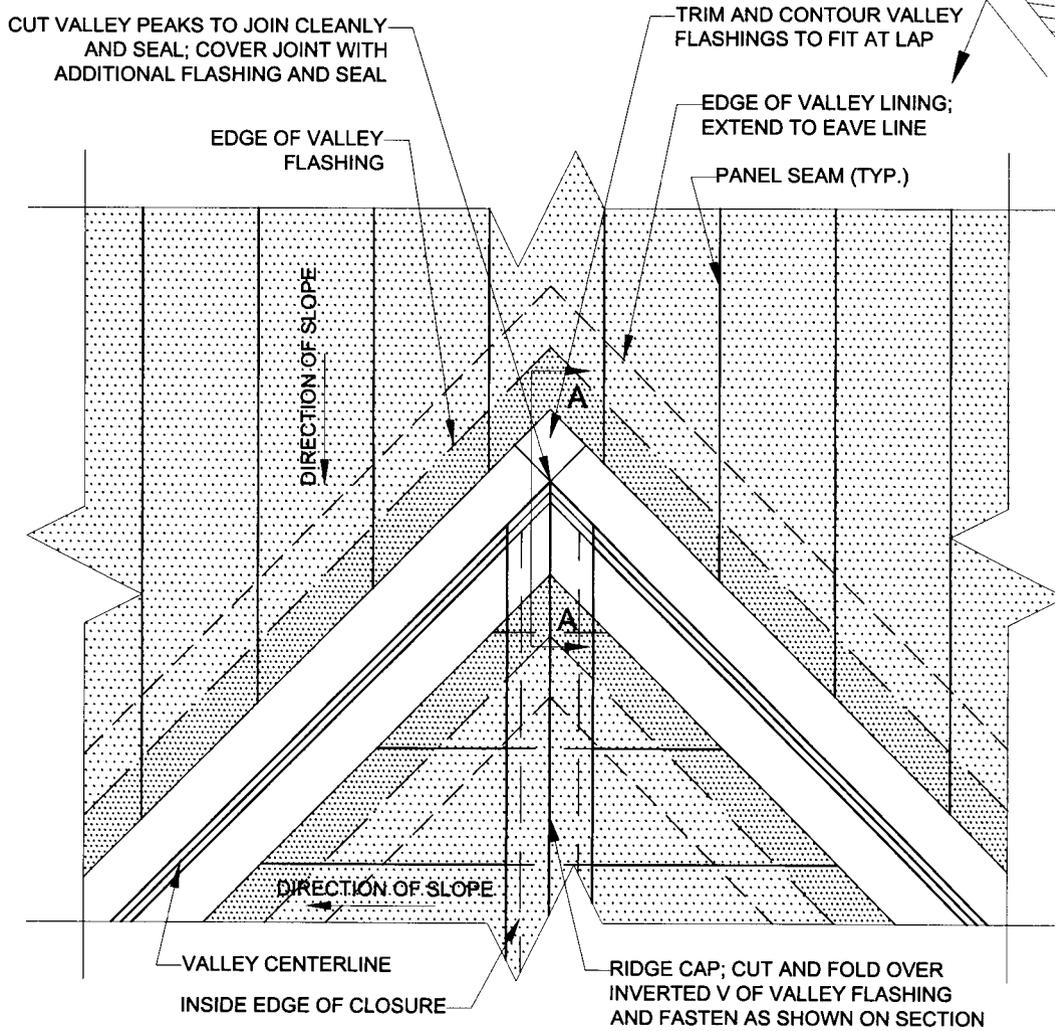


SECTION B-B

SOLID SUPPORT IS REQUIRED UNDER THE VALLEY. EPDM LINING IS REQUIRED UNDER LAPPED PANELS AND VALLEY FLASHING. MUST REFER TO FABRAL'S EAVE AND VALLEY DETAILS TO COMPLETE THE ABOVE CONDITION.

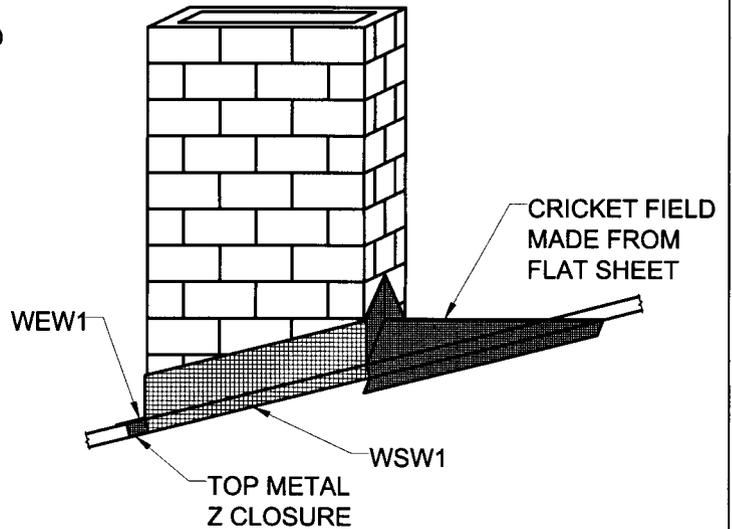
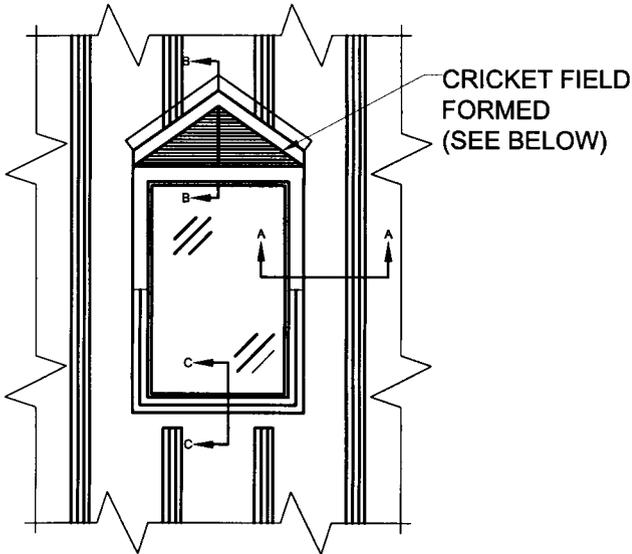
VALLEY MEETS RIDGE DETAIL

PLAN VIEW OF TOP OF DORMER





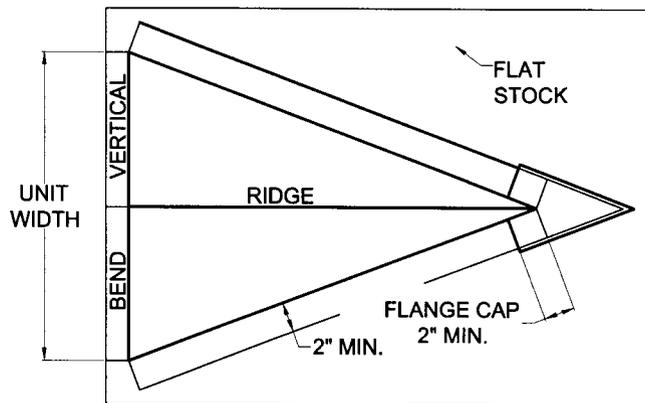
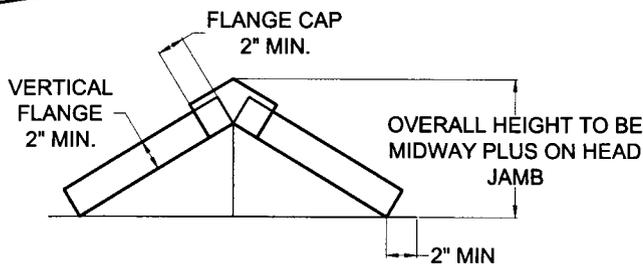
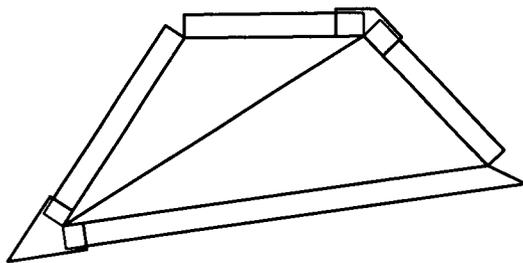
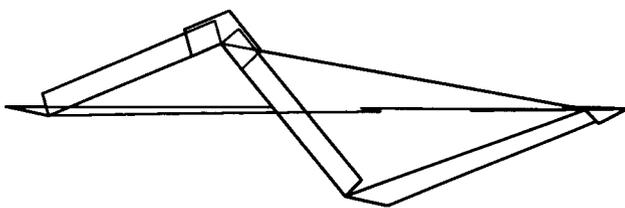
SKYLIGHT AND CHIMNEY DETAIL



NOTE: SEE THE FOLLOWING PAGES FOR CROSS SECTIONS

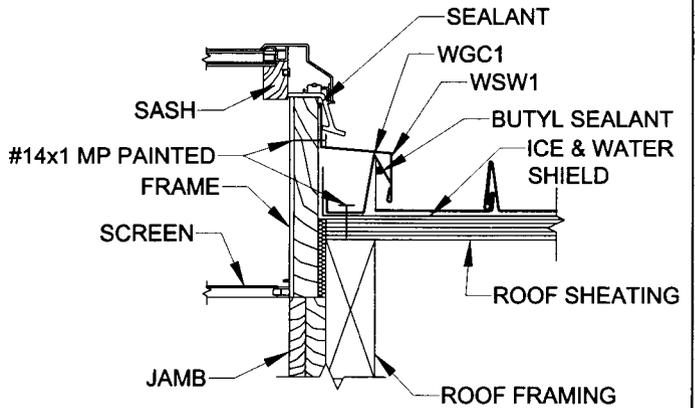
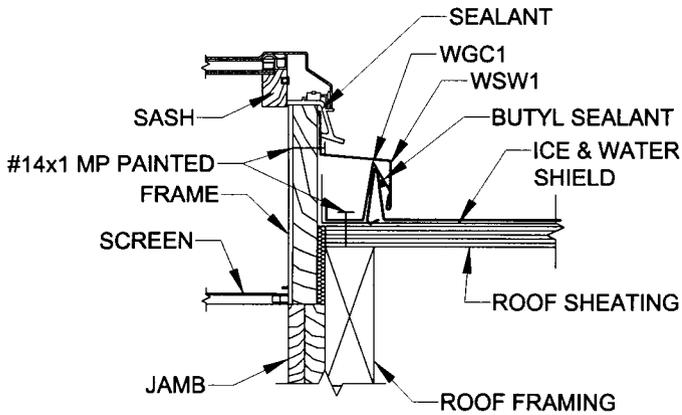
A flexible/formable rubber material, similar to the pipe boots, can be used in place of flashings to outline the entire area around any penetrations. Rubber strips are **NOT** provided by Fabral.

CRICKET DETAIL

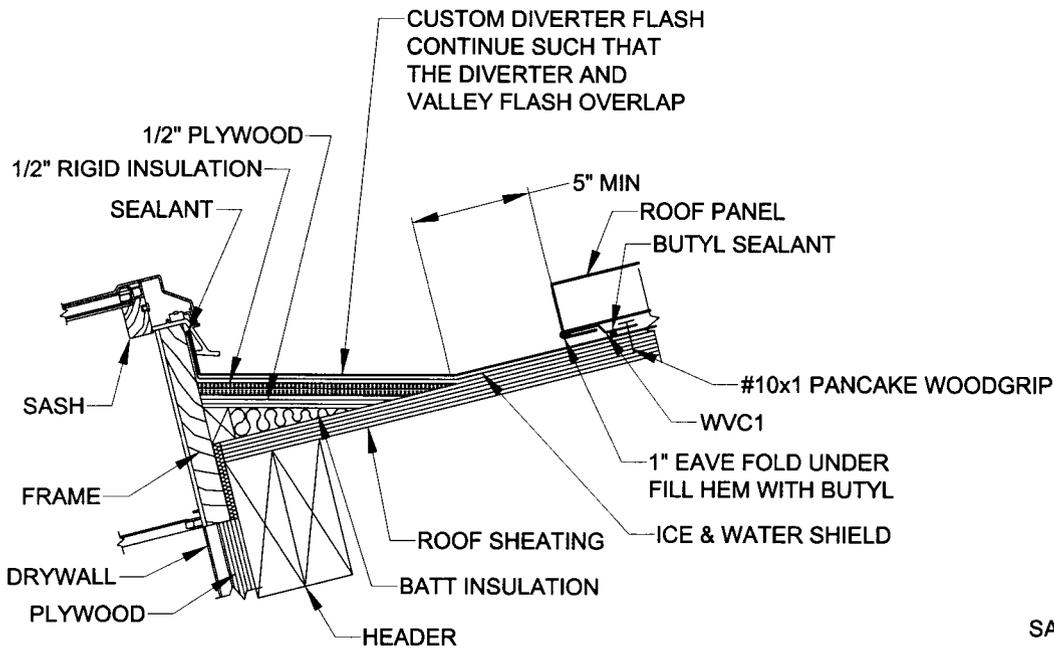




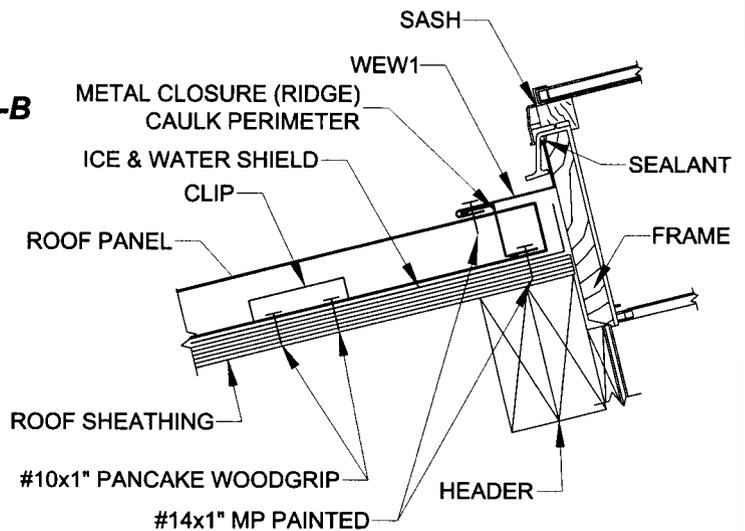
SKYLIGHT CROSS SECTIONS



SECTION A-A



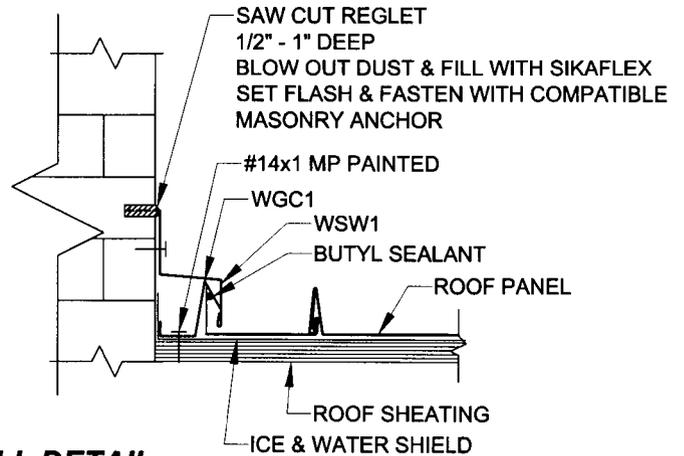
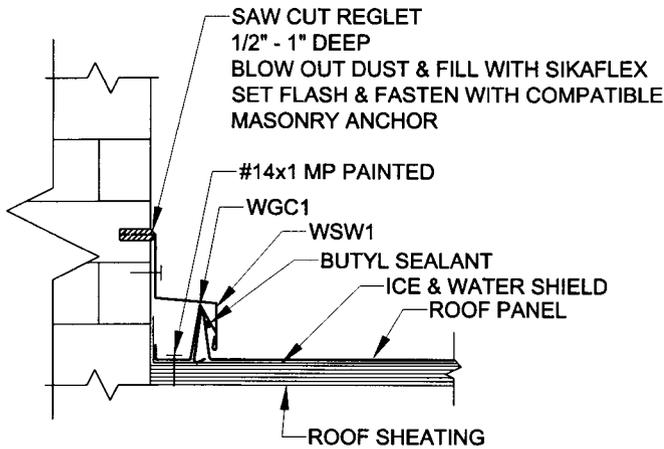
SECTION B-B



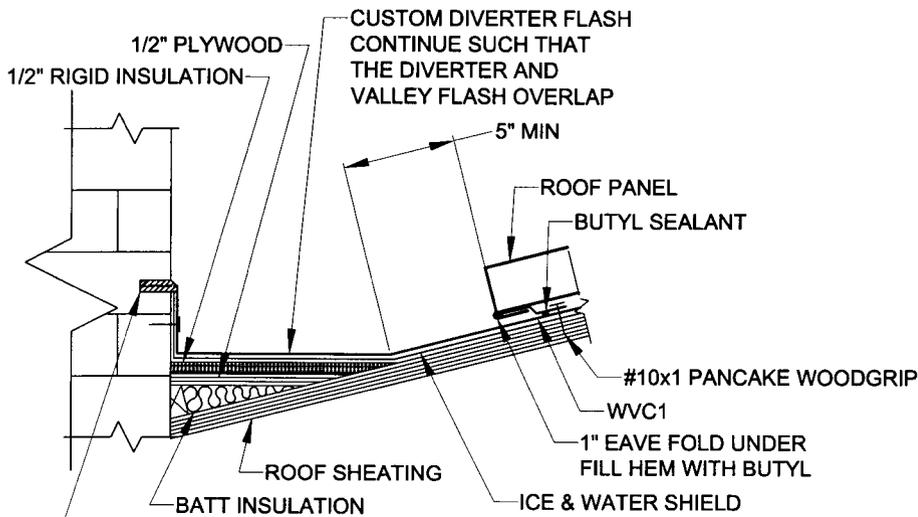
SECTION C-C



CHIMNEY CROSS SECTIONS

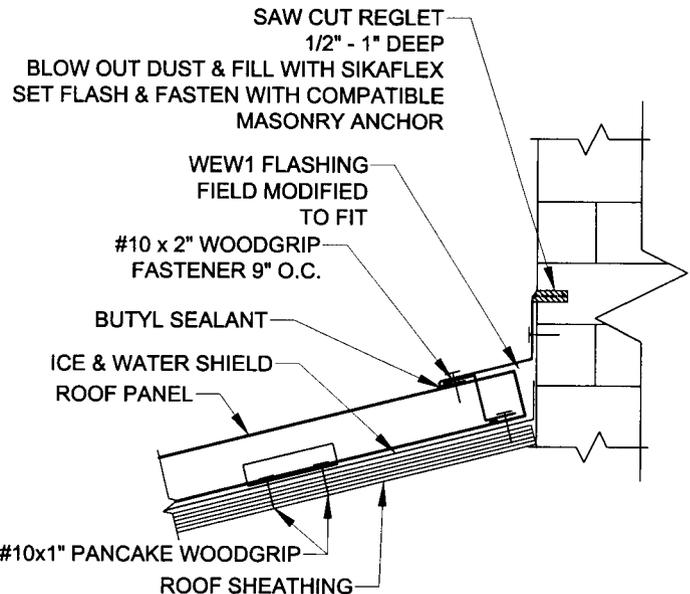


SIDEWALL DETAIL



SAW CUT REGLET
1/2" - 1" DEEP
BLOW OUT DUST & FILL WITH SIKAFLEX
SET FLASH & FASTEN WITH COMPATIBLE
MASONRY ANCHOR

CRICKET DETAIL



ENDWALL DETAIL



1-1/2" SSR Work/Order Guide

Customer: _____

PO#: _____

Job Name: _____

Panels cover 1.33 ft (16 inches) width

Eave to Ridge distance in flat X Slope factor = _____ panel length

or Actual on-slope measurement from eave to ridge = _____ panel length

*Remember to figure in eave and gable overhangs when calculating lengths and widths

(Panel run allows for 1" Eave Hem, 1" overhang and 2" to 3" gap at Ridge)

(For Endwall panels, add 1" to the eave to endwall base measurement)

Panel Listing		_____ pcs. @ _____ ft-_____ in.
Color _____	_____ pcs. @ _____ ft-_____ in.	_____ pcs. @ _____ ft-_____ in.
(Choices: White, Evergreen,	_____ pcs. @ _____ ft-_____ in.	_____ pcs. @ _____ ft-_____ in.
Charcoal, Caribbean Blue, Red,	_____ pcs. @ _____ ft-_____ in.	_____ pcs. @ _____ ft-_____ in.
Hickory Moss, Classic Burgundy,	_____ pcs. @ _____ ft-_____ in.	_____ pcs. @ _____ ft-_____ in.
Antique Bronze,	_____ pcs. @ _____ ft-_____ in.	_____ pcs. @ _____ ft-_____ in.
Acrylic Coated Galvalume)	_____ pcs. @ _____ ft-_____ in.	_____ pcs. @ _____ ft-_____ in.
Factory Caulked	_____ pcs. @ _____ ft-_____ in.	_____ pcs. @ _____ ft-_____ in.

Total Lineal Feet of Panels = _____

Total Lineal Feet _____ x .0134 = _____ sqs. (Pricing will be based on actual squares shipped)

Squares _____ x 38 clips/sq. = _____ pcs. 1-1/2" SSR Clips (clips included in panel price)

(Note: 38 clips per 100 square feet of panel is based on 24" clip spacing. Closer clip spacing requires purchasing additional clips)

Number of Clips _____ x 2 screws/clip = _____ pcs. Clip Screws #10x1" Pancake Woodgrip

(Transfer to page 2 - #10x1" Pancake Head WG)

Directions: Fill in lineal feet of the various roof conditions. Utilize these numbers in the appropriate spaces below to calculate the total number of pieces needed of each item. If a space doesn't have a number or a zero, it doesn't need to be calculated. Round all piece counts up to next highest number. Increase all fastener quantities by 10% for drop/loss. Additional accessories are required for endwall, sidewall or transition details.

* Round all fastener quantities to nearest 100 pcs.

Lineal Feet of Conditions

Pitch	Slope Factor
1-12	1.003
2-12	1.014
3-12	1.031
4-12	1.054
5-12	1.083
6-12	1.120
8-12	1.202
10-12	1.302
12-12	1.414

Eave _____
 Ridge _____
 Vented Ridge _____
 Gable _____
 Sidewall _____
 Endwall _____

Valley _____
 Hip _____
 Transition _____
 Gambrel _____
 Roof Pitch = _____" in 12"

- ◆ Eave _____ ft. ÷ 9.5 = _____ pcs. **WEF1 Pitch=_____ OR**
 _____ pcs. **WEF2 Pitch=_____ and _____ pcs. WEF3**
- ◆ (Ridge _____ ft. ÷ 9.5) + (Hip _____ ft. ÷ 9.5) = _____ pcs. **WRH1 Pitch=_____**
- ◆ Vented Ridge _____ ft. ÷ 9.5 = _____ pcs. **Modified RR1 Pitch _____**
- ◆ Gable _____ ft. ÷ 9.5 = _____ pcs. **WGF1**
- ◆ Sidewall _____ ft. ÷ 9.5 = _____ pcs. **WSW1**

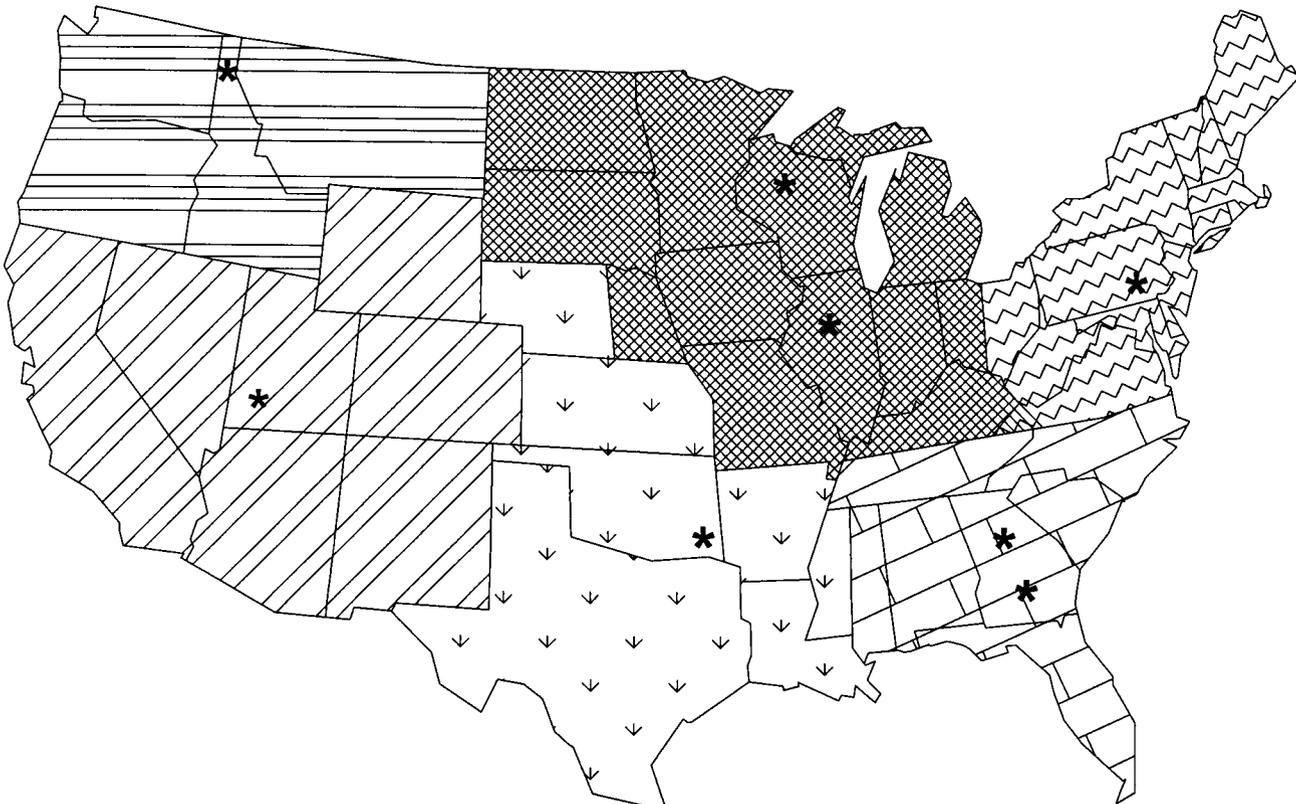


Page 2 of 1-1/2" SSR Work/Order Guide

- ◆ Endwall _____ ft. ÷ 9.5 = _____ pcs. **WEW1 Pitch=_____**
- ◆ Valley _____ ft. ÷ 9.5 = _____ pcs. **WVF1 Pitch=_____**
- ◆ (Ridge _____ ft. ÷ .66)+(Endwall _____ ft. ÷ 1.33)+(Transition _____ ft. ÷ 1.33)
+(Gambrel _____ ft. ÷ 1.33)+(Vented Ridge □ .66) = _____ pcs. **Top Metal Z Closure.**
- ◆ Hip _____ ft. ÷ 5 = _____ pcs. **WHC1**
- ◆ (Gable _____ ft. ÷ 9.5) + (Sidewall _____ ft. ÷ 10)=..... _____ pcs. **WGC1**
- ◆ (Valley _____ ft. ÷ 5) + (Transition _____ ft. ÷ 9.5) + (Gambrel _____ ft. ÷ 9.5)= _____ pcs. **WVC1**
- ◆ (Valley _____ ft. x 2) + (Transition _____ ft. x 1) + (Gambrel _____ ft. x 1) +
(Clip screws (previous page) _____ pcs.= _____ pcs. **#10x1" Pancake Head
(Round up to nearest 100)**
- ◆ (Eave _____ ft. x 1) + (Gable _____ ft. x 1) +
(Sidewall _____ ft. x 1) = _____ pcs. **#10 x 1" Painted WG
(Round up to nearest 100)**
- ◆ (Vented Ridge _____ ft. x 2) = _____ pcs. **#10 x 1½" Painted WG
(Round up to nearest 100)**
- ◆ (Ridge _____ ft. x 6.5) + (Hip _____ ft. x 6) + (Gable _____ x 1) +
(Sidewall _____ ft. x 1) + (Endwall _____ ft. x 4) + (Vented Ridge _____ ft. x 4.5) +
(Transition _____ ft. x 3.5) + (Gambrel _____ ft. x 3.5) =.. _____ pcs. **#14 x 1" MP Painted
(Round up to nearest 100)**
- ◆ (Eave _____ ft. x .0125) + (Ridge _____ ft. x .0125) + (Vented Ridge _____ ft. x .0125) +
(Hip _____ ft. x .15) + (Sidewall _____ ft. x .05) + (Endwall _____ ft. x .0625) +
(Valley _____ ft. x .0125) + (Transition _____ ft. x .0125) +
(Gambrel _____ ft. x .0125) = _____ tubes **Sikaflex Sealant**
- ◆ (_____ ft. wide chimney x .5) = _____ pcs. **of Flat 41"x 10'**
- ◆ Transition _____ ft. ÷ 9.5 = _____ pcs. **WTF1 Pitch from ___ to ___**
- ◆ Gambrel _____ ft. ÷ 9.5 = _____ pcs. **Modified WTF1 Pitch from ___ to ___**
- ◆ (Ridge _____ ft. x .10) + (Vented Ridge _____ ft. x .10) + (Gable _____ ft. x .025) +
(Valley _____ ft. x .10) + (Hip _____ ft. x .10) + (Transition _____ ft. x .075) +
(Gambrel _____ ft. x .075) = _____ rolls **Butyl Sealant Tape**
- ◆ Vented Ridge _____ ft. □ 4 = _____ pcs. **CoraVent Ridge Vent**
- ◆ Misc. = Eave Bending Tool (reusable for each project)..... _____ pcs.

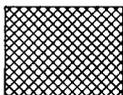
Fax Order to: Sales Service Supervisor
 Lancaster, PA - (800) 283-4289
 Gridley, IL - (800) 289-3383
 Cedar City, UT - (800) 632-2725
 Marshfield, WI - (715) 387-2424

Jackson, GA - (800) 765-4484
 Idabel, OK - (800) 289-6007
 Rathdrum - (888) 632-2725
 Tifton, GA - (800) 380-4784



Lancaster Plant
3449 Hempland Rd.
Lancaster, PA 17601
(800) 477-2741
Fax (800) 283-4289

Grandrib 3, Grandrib 3 PLUS, Grandrib 3 Ultra, 1 1/2" SSR, Strongrib .0155/.018, .018 Fabrib (stock), Mighti-Rib 26 ga. 2 1/2" and 11/4" Corrugated-Plain 29 ga., 5V Crimp-Plain 29 ga., Ultra Rib 26 ga., Alu-Tuff, Aluminum Alu-Tuff



Gridley Plant
Route 24 West
Gridley, IL 61744
(800) 451-3974
Fax (800) 289-3383

Grandrib 3, Grandrib 3 PLUS, 1 1/2" SSR, Strongrib .0155/.018
.018 Fabrib (stock), 11/4" Corrugated-Plain 29 ga. Stock
5V Crimp-Plain 29 ga. (stock), Mighti-Rib 26 ga.

Marshfield Plant
1820 East 26th
Marshfield, WI 54449
(800) 528-0878
Fax (715)-387-2424

Alu-Tuff, Aluminum Alu-Tuff, Primerib

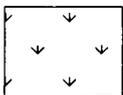


Jackson Plant
308 Alabama Blvd
Jackson, GA 30233
(800) 884-4484
Fax (800) 765-4484

1 1/2" SSR, Mighti Rib 26 ga.

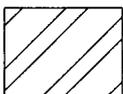
Tifton Plant
Hwy 41 South & 55 Lamb Loop
Tifton, Ga 31793
(800) 749-8144
Fax (800) 380-4784

Fabrib .018/.021, .019 Alu-Twin, 21/2" Corrugated, Grandrib 3 29 and 26 ga., 2 1/2" Corrugated, GrandBeam 26 ga., GrandBeam S 29 ga., Alu-Tuff, Aluminum Alu-Tuff, 5V Crimp - Plain 29 ga. & Painted 26 ga., Duralap



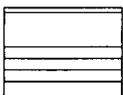
Idabel Plant
Route 3, Box 632
Idabel, OK 74745
(800) 926-8509
Fax (800) 289-6007

Grandrib 3 29 and 26 ga., Aluminum Grandrib 3, 1 1/2" SSR, GrandBeam 26 ga., GrandBeam S 29 ga., .018/.021 Fabrib, .017/.019 Alutwin, 5V Crimp - Plain 29 ga. & Painted 26 ga., 11/4" Corrugated, 2 1/2" Corrugated-Plain 29 ga.



Cedar City Plant
2402 Industry Way
Cedar City, UT 84720
(800) 432-2725
Fax (800) 632-2725

Grandrib 3, Grandrib 3 PLUS, 1 1/2" SSR, GrandBeam 26 ga., GrandBeam S 29 ga., Mighti Rib 26 ga.



Rathdrum Plant
658 Boekel Road
Rathdrum, ID 83858
(888) 470-0013
Fax (888) 832-2725

Grandrib 3, Alu-Loc, Mighti Rib 26 ga.