

SL-15[™] Installation Guide







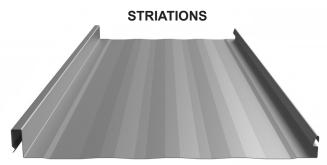
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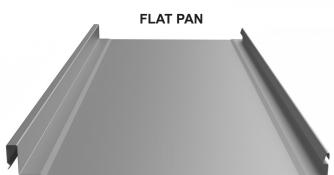
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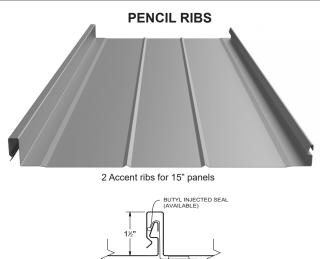


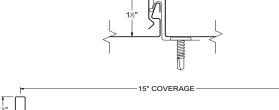
SL-15TM ROOF AND WALL











KEY FEATURES

- 15" coverage
- 26 and 24 Gauge
- Floating clip system: allows for expansion and contraction of panels in longer lengths
- 1-1/2" vertical rib, factory notching available
- 2:12 minimum pitch recommended (For lower pitches, please inquire)
- Standard panel lengths 1' to 60' (For longer length panels, please inquire)
- · On-site roll forming available for longer panels
- · Clip Relief is not standard, available upon request
- Weathertightness warranty available (Contact TMP representative for details)
- · Manufactured in Spokane, WA.





SL-15 is an architectural standing seam panel with vertical, narrow ribs that provide an elegant and classic appearance. It is a snap-lock rib that requires no mechanical seaming.

Rev. Date 07/25



MATERIAL SPECIFICATIONS

- 26 gauge ArmorTech™ SMP Painted Steel G-90 Galvanized or AZ-50
- 26 gauge bare Zincalume® Plus AZ-55 (No finish warranty – 25 yr. perforation warranty)
- · 26 gauge bare G-90 Galvanized (No finish warranty – no perforation warranty)
- 24 gauge Kynar 500® Painted Steel (inquire)

SMP MATERIAL SPECIFICATIONS

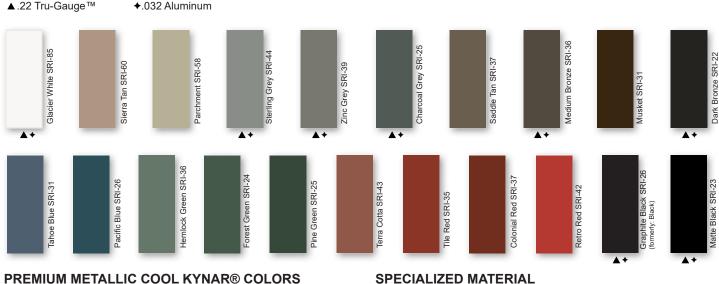
26 Tru-Gauge™ ARMORTECH™ Painted Steel .019" (Thickness prior to painting)

STANDARD COOL ARMORTECH™ SMP COLORS 40-Year Residential Manufacturer's Limited Warranty



STANDARD COOL KYNAR 500® COLORS

40-Year Residential / 20 and 30 Year Commercial Manufacturer's Limited Warranty



PREMIUM METALLIC COOL KYNAR® COLORS

Rusteel PlusTM (A606) Rusteel PlusTM has no metallic coating, is unpainted and has no warranty 16 oz. and 20 oz. Copper *please inquire* Pure copper has no warranty Weathered Zinc SRI-39 Zincalume® Plus No finish warranty – 25 yr. perforation warranty Antique Patina SRI-40 SRI-50 /intage® has a color range t san vary from batch-to-batch See TMP website for more ir Metallic Silver SRI-60 **SRI-48** Copper Penny mpagne \$

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 E1980 and are based on actual testing.***Oil Canning is not a cause for material rejection***





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 a carrier vehicle, the truck-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 alternate 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
- Check the shipment at the time of delivery.
- Verify material quantities against the shipping/packing list.
- Note any damage or discrepancies upon the paper work at the time of delivery and notify 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.



SL-15TM Flashing and Details Guide



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 ensure long-term durability and color match.

Substrates

Details in the manual are all shown over solid substrate. **SL-15**™ can be used over spaced purlins. For solid substrate, **Taylor Metal Products** recommends 5/8" plywood or metal decking. Contact a TMP representative with questions about panel attachment to varying substrates.

<u>Underlayment</u>

For roofs with pitches below 3:12, High Temp Ice and Water shield underlayment must be installed across the entire surface (projects with manufacturer's weathertightness warranties require the TMP private label product). For pitches steeper than (or equal to) 3:12, High Temp Ice and Water is necessary at all perimeter locations, eave, ridge, valley, hips, sidewall, endwall, prow and penetrations. The remaining of the roof's field areas can then be covered with approved synthetic felt. If local codes or specifications require a Class A fire rated assembly, Polystick XFR or Titanium FR (both products are distributed by TMP) must be installed over the entire roof with combustible decks.

Follow manufactures instructions carefully for all underlayment installation.

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.



SL-15TM Flashing and Details Guide

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 **SL-15**™ 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.

SL-15TM Flashing and Details Guide



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.

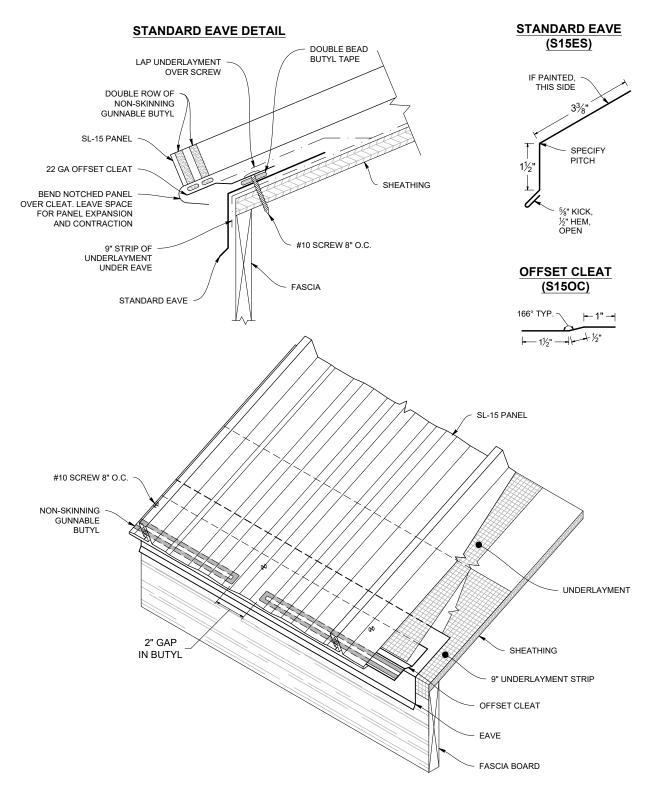
Metal roofs that are wet or dusty can be extremely slippery. Wear soft soled shoes and a safety harness to minimize risk of falling.

Avoid installing metal panels in windy conditions.

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

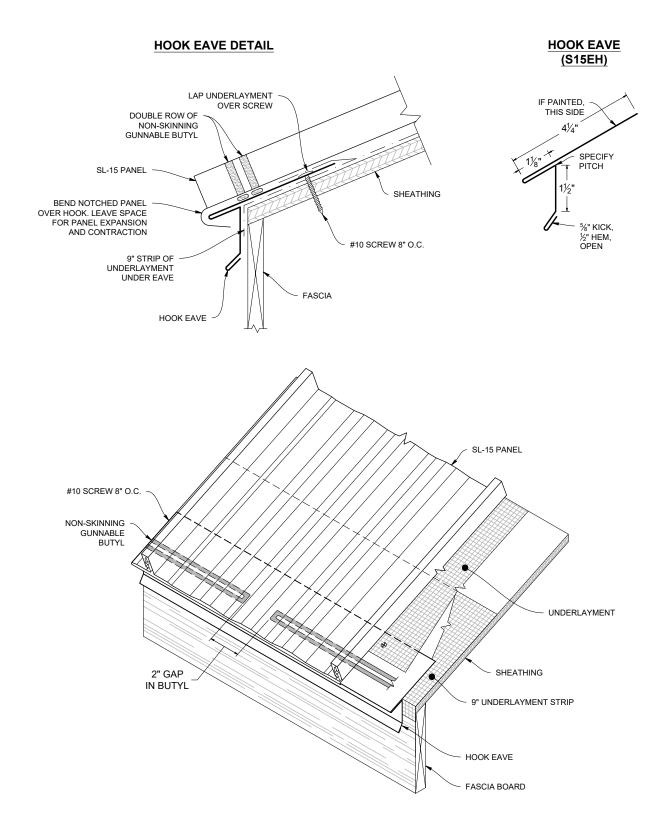


Standard Eave



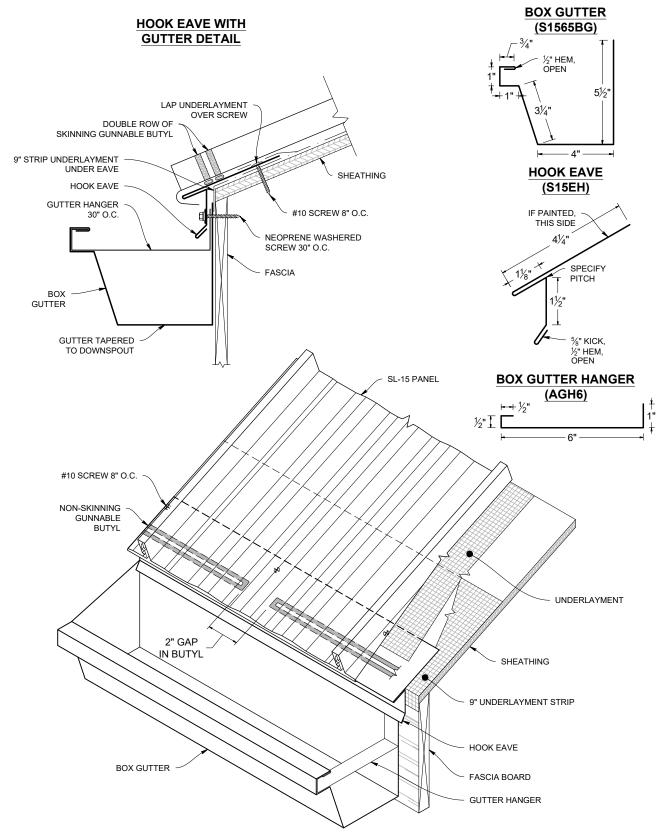
Hook Eave







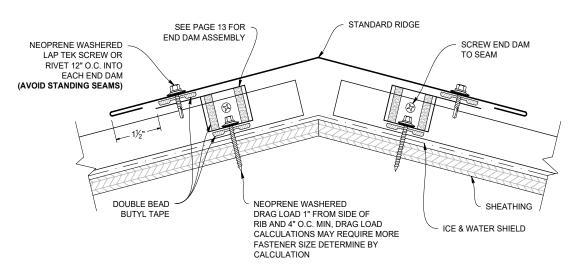
Gutter / Hook Eave



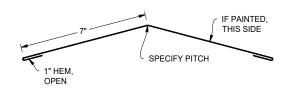
Standard Ridge



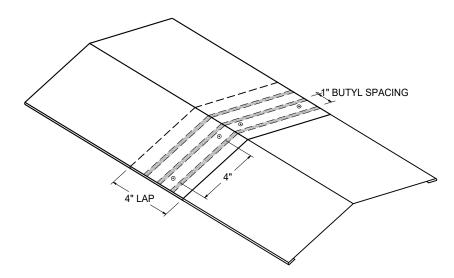
STANDARD RIDGE DETAIL



STANDARD RIDGE (S15RS)



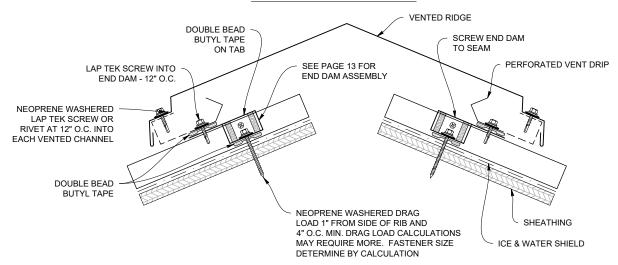
RIDGE LAP



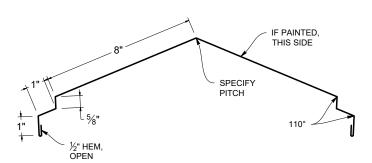


Vented Ridge

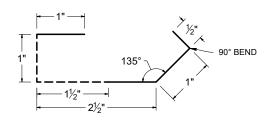
WT RIDGE VENTED DETAIL



WT RIDGE FULL VENTED (S15WTRFV)

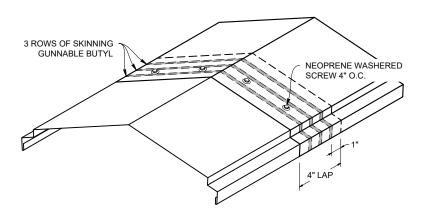


PERFORATED VENT DRIP (S15PVD)



NOTE: PERFORATED VENT DRIP IS COMPATIBLE WITH WT VENTED RIDGE ONLY

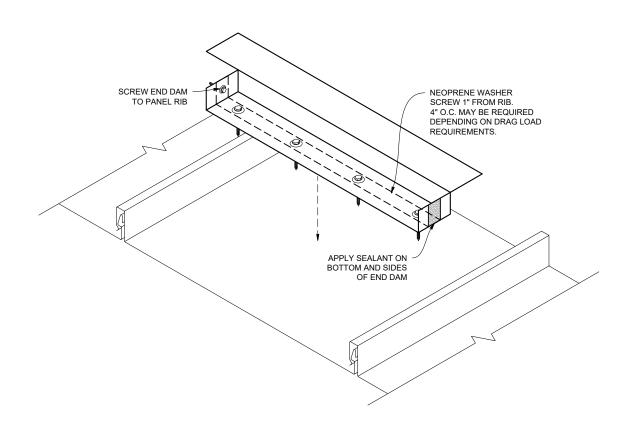
VENTED RIDGE LAP

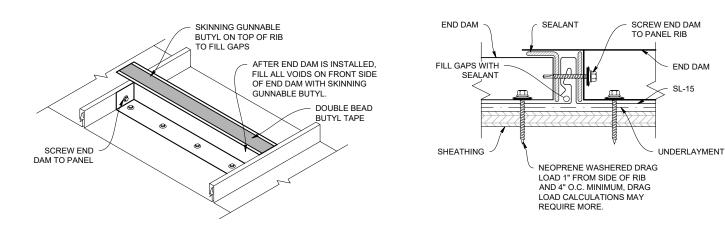


End Dam Attachment

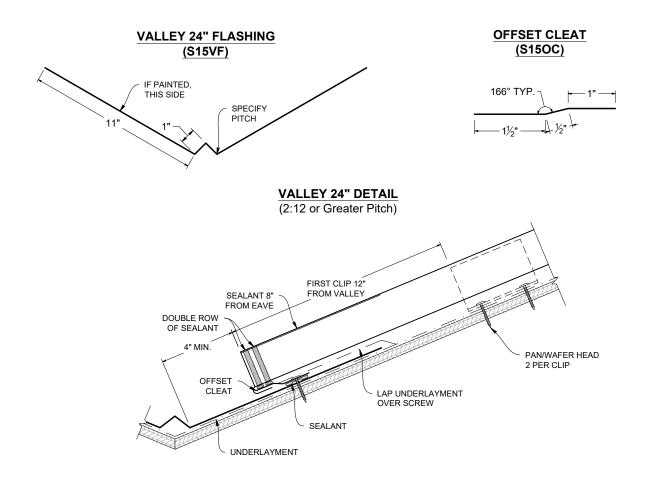


END DAM ATTACHMENT APPLICATION

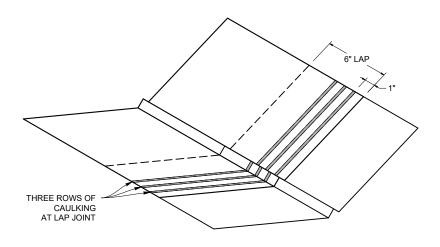








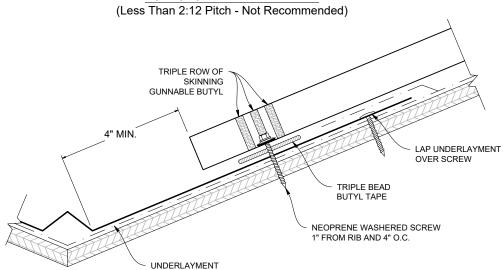




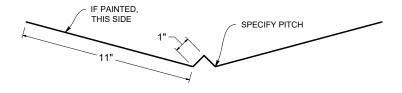
Valley - Low Slope Pitch Less than 2:12 (Not Recommended)



LOW SLOPE VALLEY DETAIL

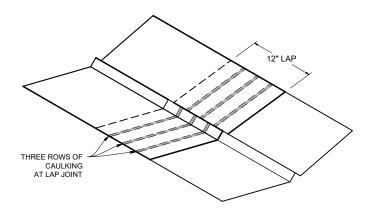


VALLEY FLASHING (S15VF)



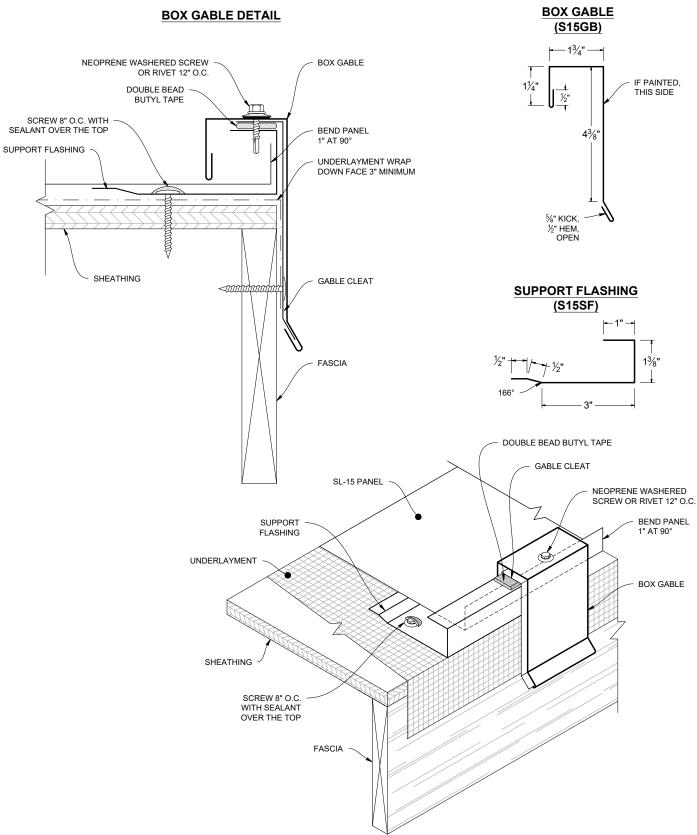
LOW SLOPE VALLEY LAP

(Less Than 2:12 Pitch - Not Recommended)





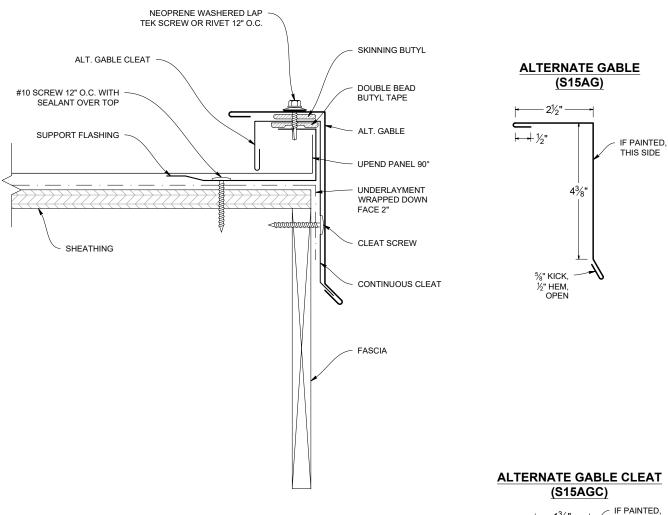
Standard Gable



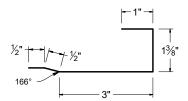
Alternate Gable

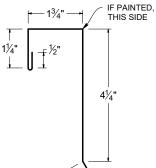


ALTERNATE GABLE DETAIL



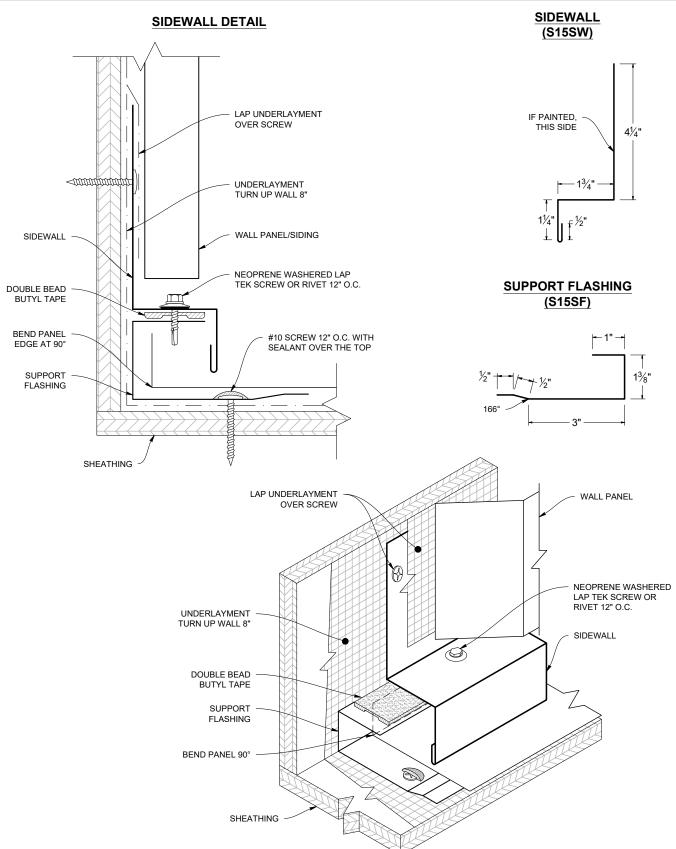
SUPPORT FLASHING (S15SF)







Sidewall



Peak Flashing (Ridge End Cap)

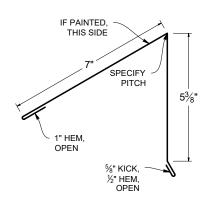


PEAK FLASHING DETAIL

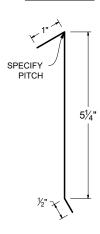
(Ridge End Cap)

NEOPRENE WASHERED SCREW OR RIVET 12" O.C. INTO EACH END DAM SL-15 PANEL NEOPRENE WASHERED DRAG LOAD 1" FROM SIDE OF RIB AND 4" O.C. MIN, DRAG LOAD CALCULATIONS MAY REQUIRE MORE

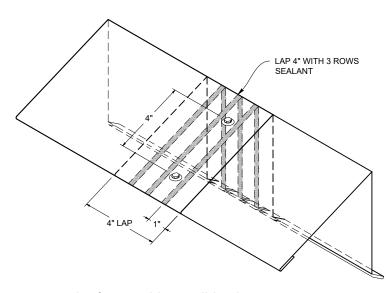
PEAK FLASHING (Ridge End Cap) (S15REC)



PEAK CLEAT (S15RECC)

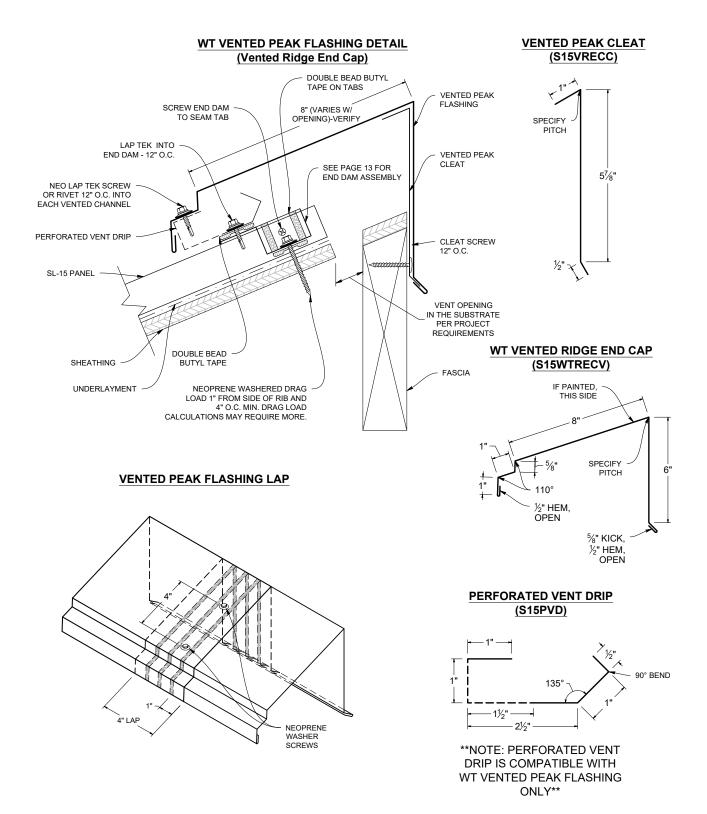


PEAK FLASHING LAP





Vented Peak Flashing (Ridge End Cap)



Pitch Change



1½"

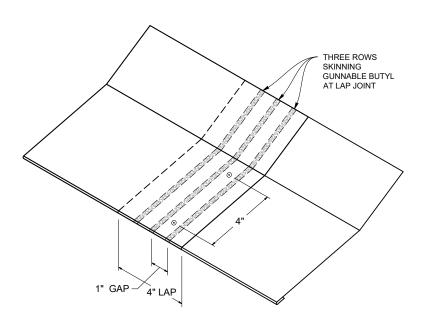
PITCH CHANGE DETAIL INSIDE PITCH CHANGE FLASHING (S15PCIH) IF PAINTED, THIS SIDE NON-SKINNING **GUNNABLE BUTYL** FOLD PANEL END 180°, SPECIFY PITCH HOOK OVER OFFSET CLEAT DOUBLE BEAD BUTYL TAPE PITCH CHANGE FLASHING #10 SCREW 8" O.C. NEOPRENE WASHERED LAP TEK SCREW OR RIVET %" HEM, 12" O.C. INTO END DAMS OFFSET CLEAT (AVOID FASTENING IN TO STANDING SEAM) ICE & WATER SHIELD **OFFSET CLEAT** (S15OC) 166° TYP

PITCH CHANGE LAP

SHEATHING

DOUBLE BEAD

BUTYL TAPE



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

NEOPRENE WASHERED DRAG LOAD 1" FROM SIDE OF RIB AND 4" O.C. MIN. DRAG LOAD CALCULATIONS

MAY REQUIRE MORE.

Endwall

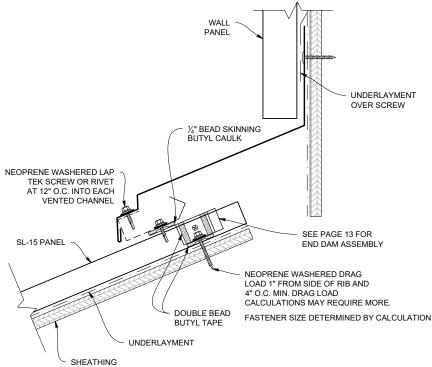


ENDWALL FLASHING ENDWALL DETAIL (S15EW) LAP UNDERLAYMENT OVER SCREW IF PAINTED, THIS SIDE UNDERLAYMENT WALL PANEL SPECIFY PITCH -**ENDWALL** NEOPRENE WASHERED SCREW OR RIVET AT 12" O.C. SL-15 PANEL SEE PAGE 13 FOR END DAM ASSEMBLY NEOPRENE WASHERED DRAG LOAD 1" FROM SIDE OF RIB AND 4" O.C. MIN. DRAG LOAD CALCULATIONS MAY REQUIRE MORE. **ENDWALL DETAIL** WALL PANEL **ENDWALL LAP** ENDWALL SL-15 PANEL END DAM 3 BEADS OF SKINNING GUNNABLE BUTYL

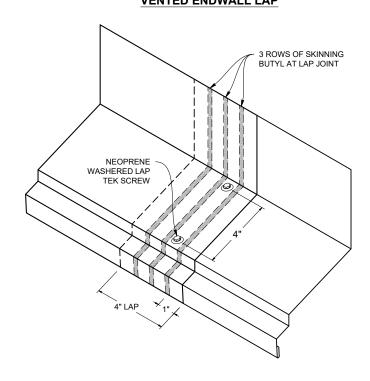
Vented Endwall



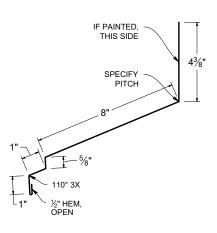
WT VENTED ENDWALL DETAIL



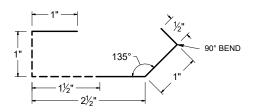
VENTED ENDWALL LAP



WT VENTED ENDWALL FLASHING (S15WTEWV)



PERFORATED VENT DRIP (\$15PVD)

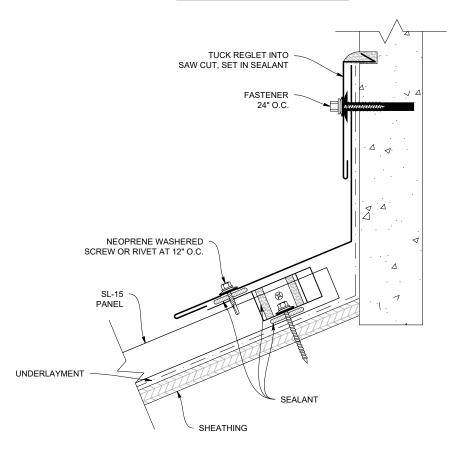


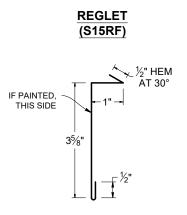
NOTE: PERFORATED VENT DRIP IS COMPATIBLE WITH WT VENTED ENDWALL ONLY



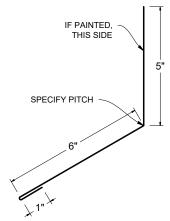
Endwall w/ Reglet

SAW CUT ENDWALL DETAIL

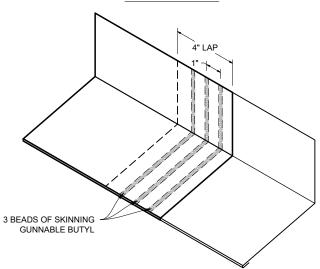




ENDWALL (S15EW)



ENDWALL LAP

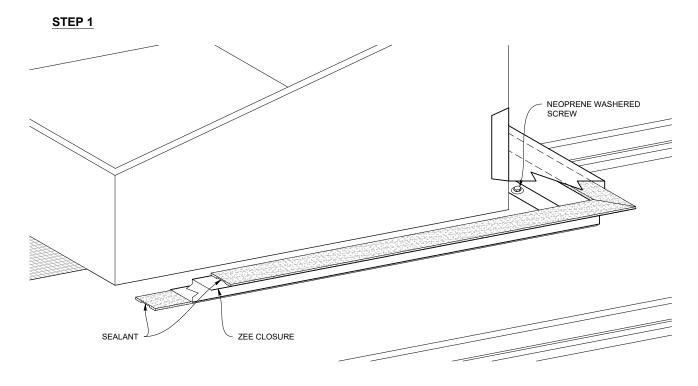


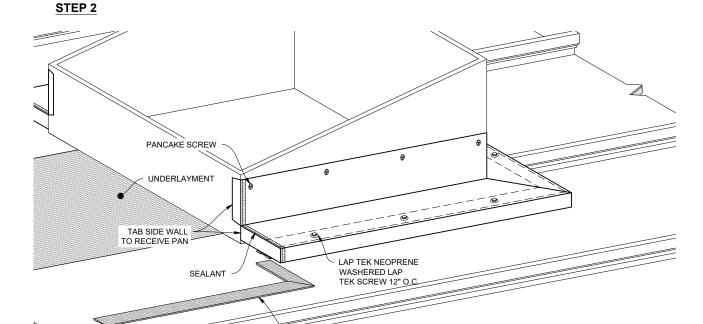
Note: All screws must be fastened into solid substrate.

Flashing must be lapped 4" with 3 rows of gunnable sealant.

Curb Back Pan Cricket



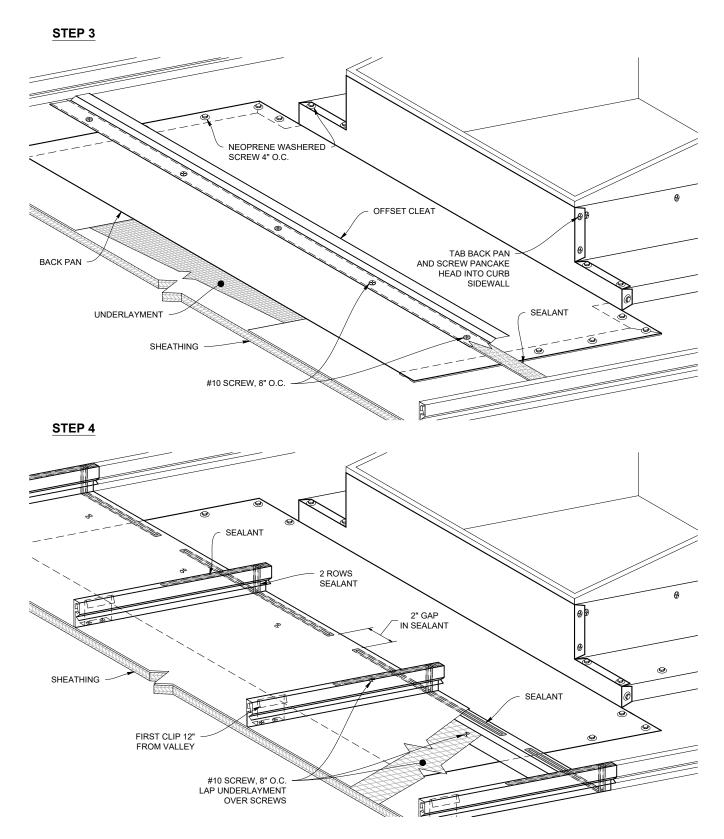




SEALANT

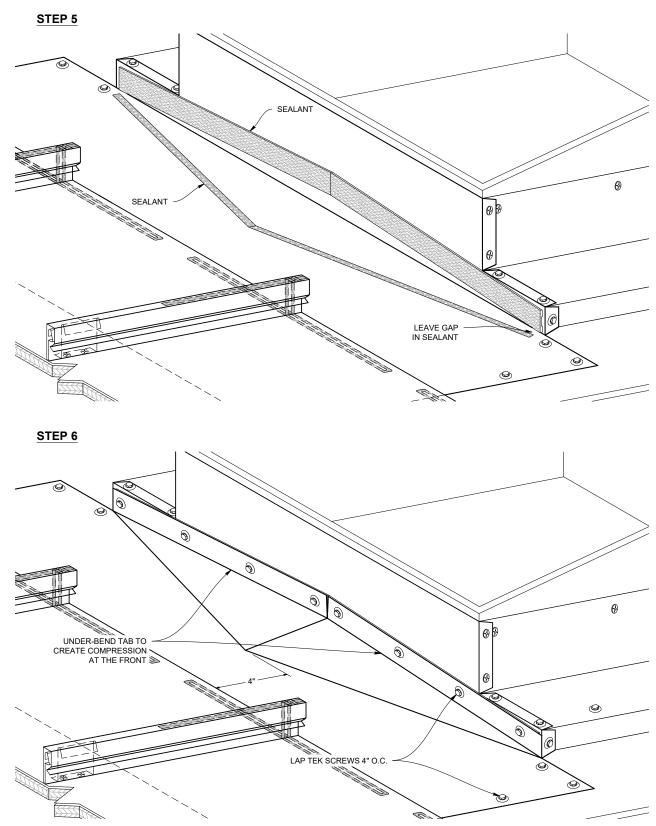


Curb Back Pan Cricket



Curb Back Pan Cricket

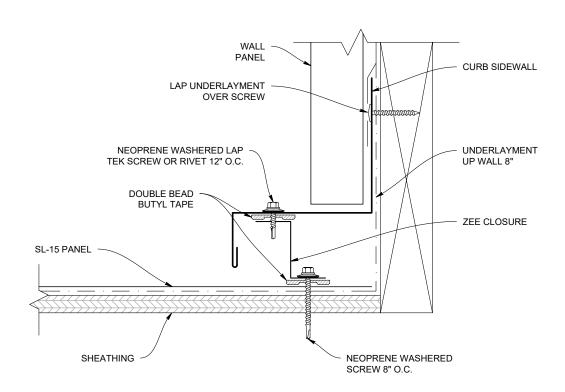


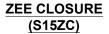


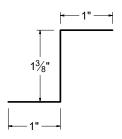


Curb Sidewall

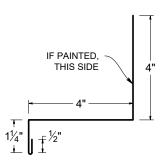
CURB SIDEWALL DETAIL







CURB SIDEWALL (S15CSW)

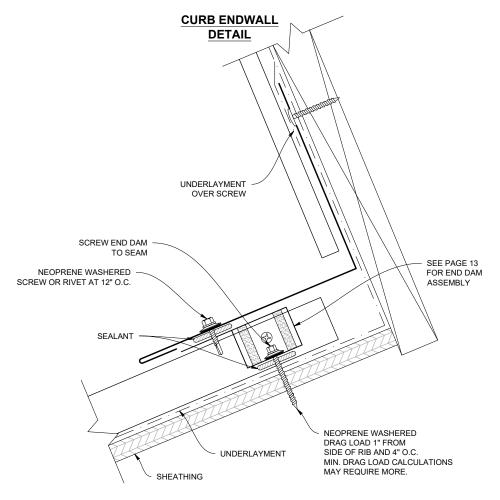


Note: All screws must be fastened into solid substrate.

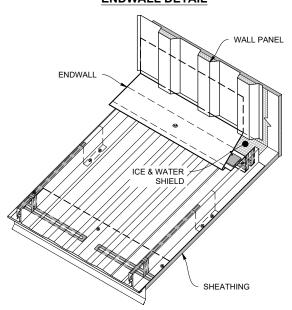
Flashing must be lapped 4" with 3 rows of gunnable sealant.

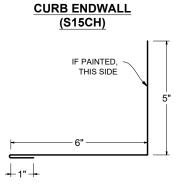
Curb Endwall





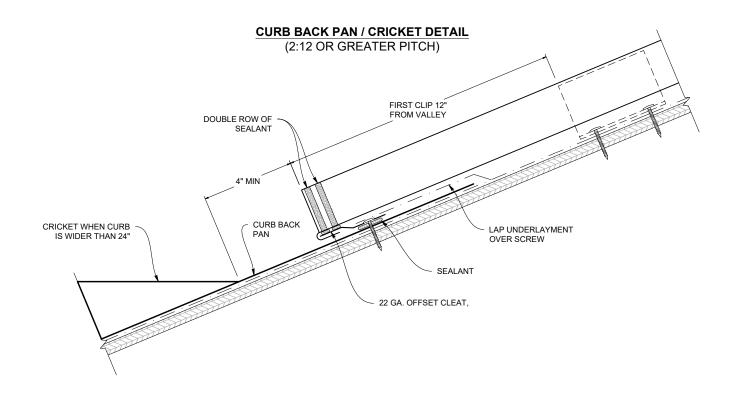
ENDWALL DETAIL

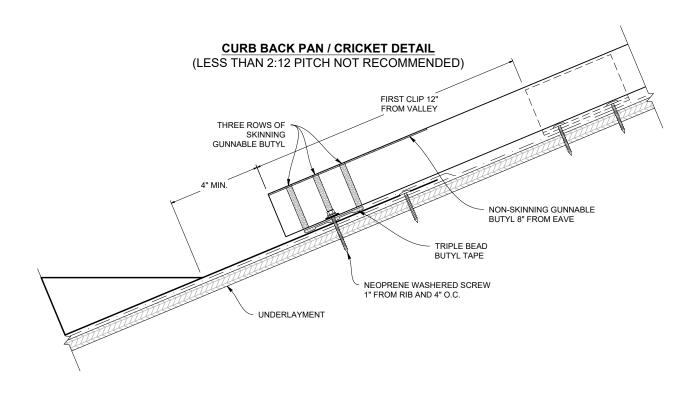






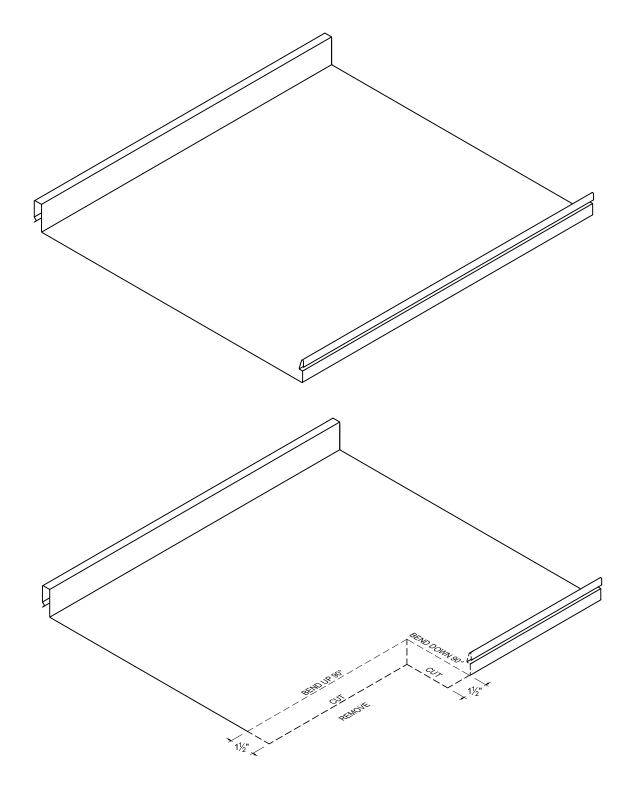
Curb Back Pan Cricket Detail





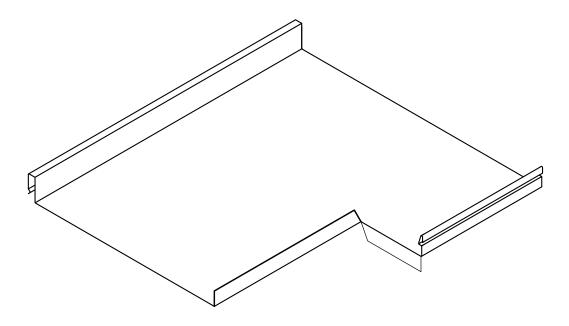
Eave to Gable Transition

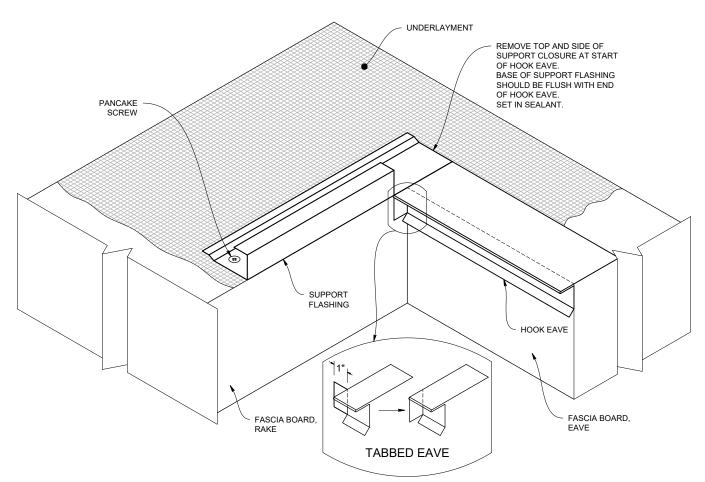






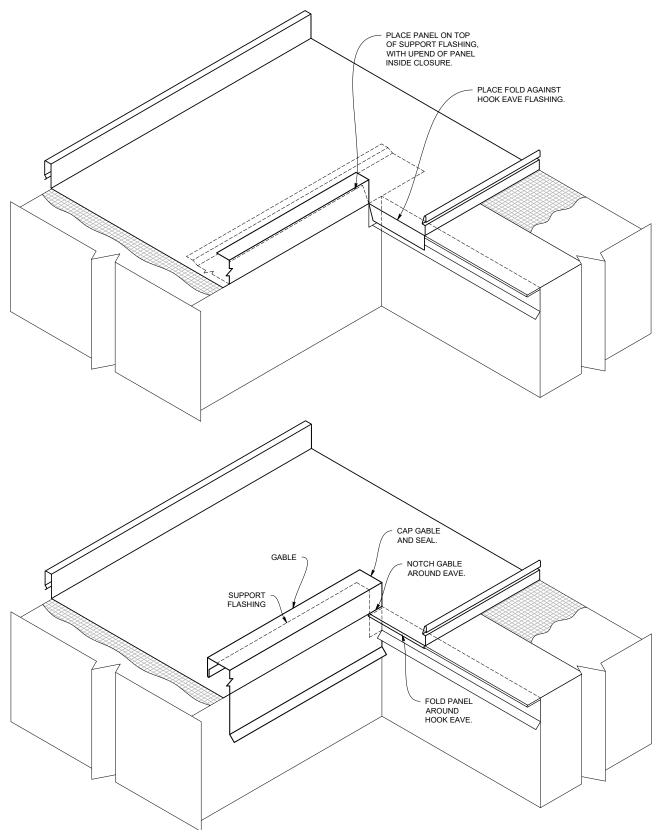
Eave to Gable Transition





Eave to Gable Transition

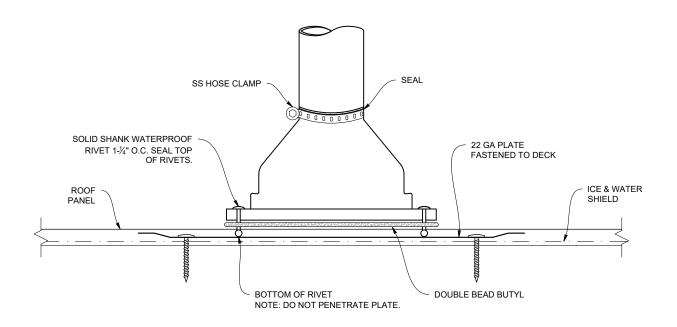


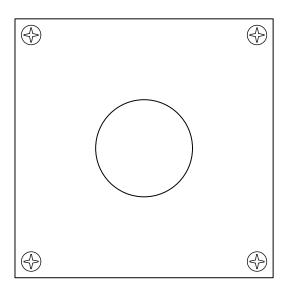




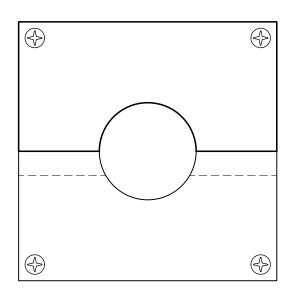
Pipe Penetration on Plate

FOR PIPES LOCATED GREATER THAN 20' FROM PIN POINT







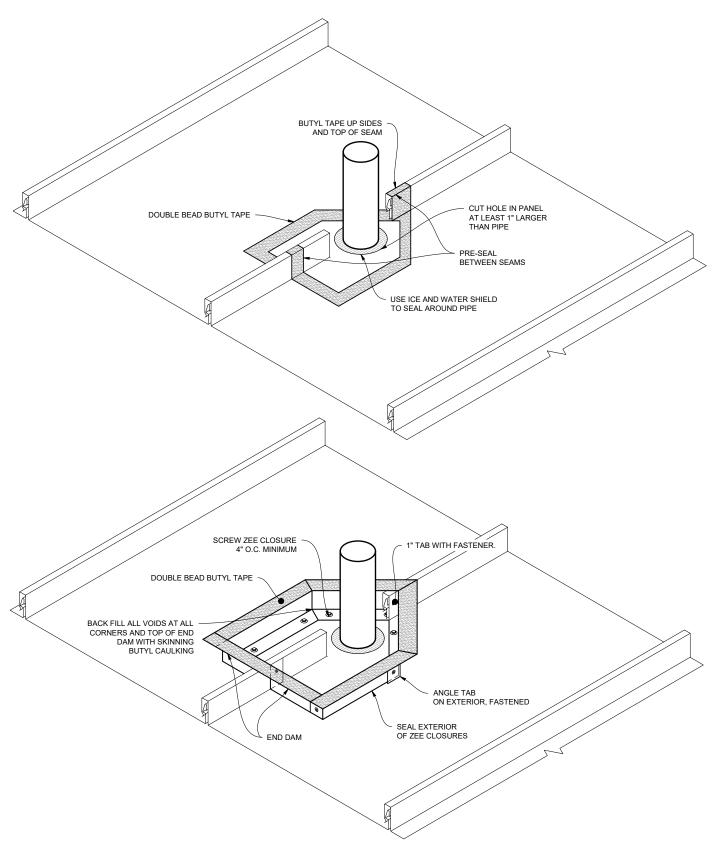


TWO OVERLAPPING 22 GAUGE PLATES

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

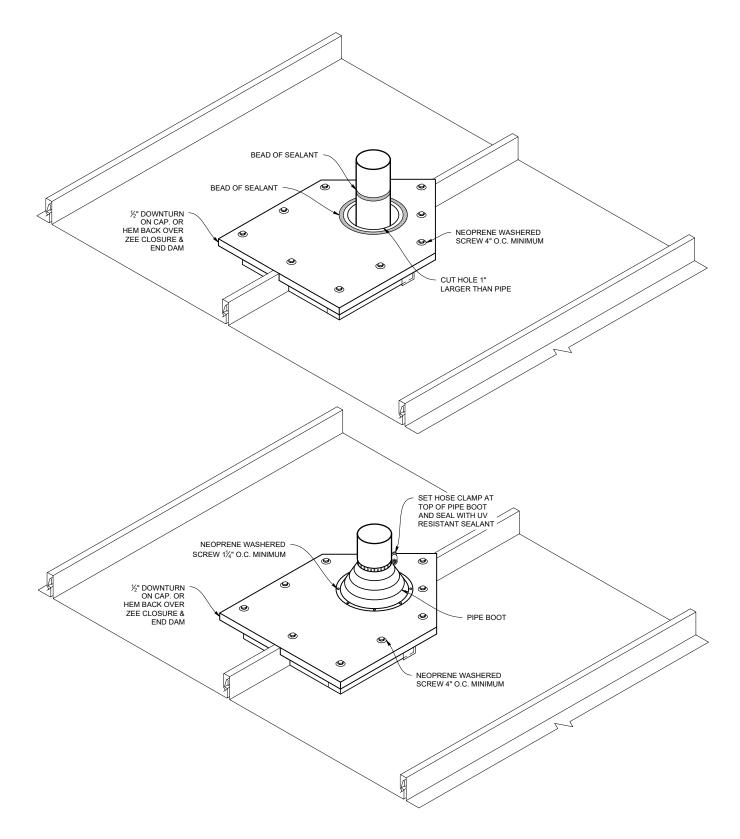
Pipe Penetration on Rib





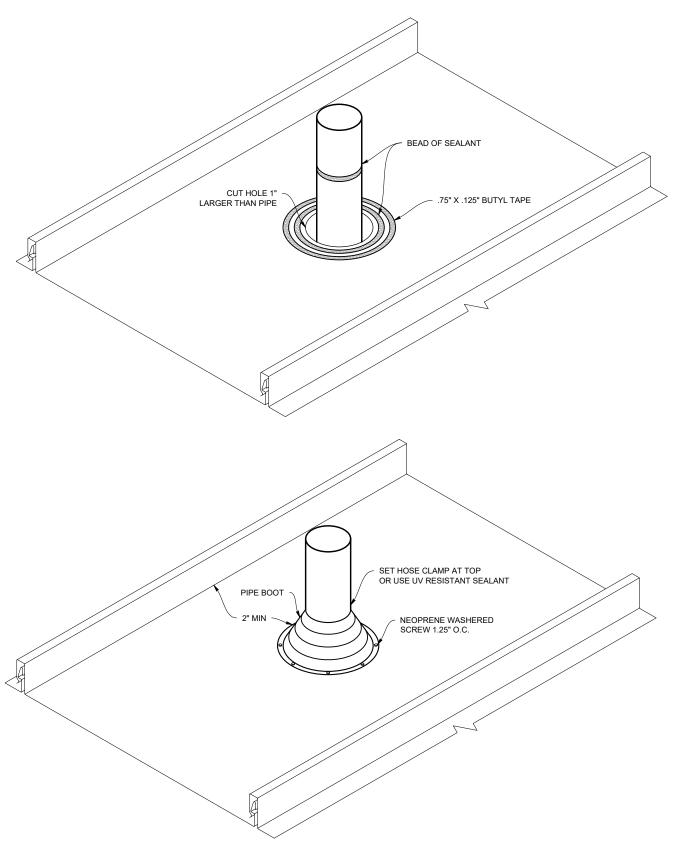


Pipe Penetration on Rib

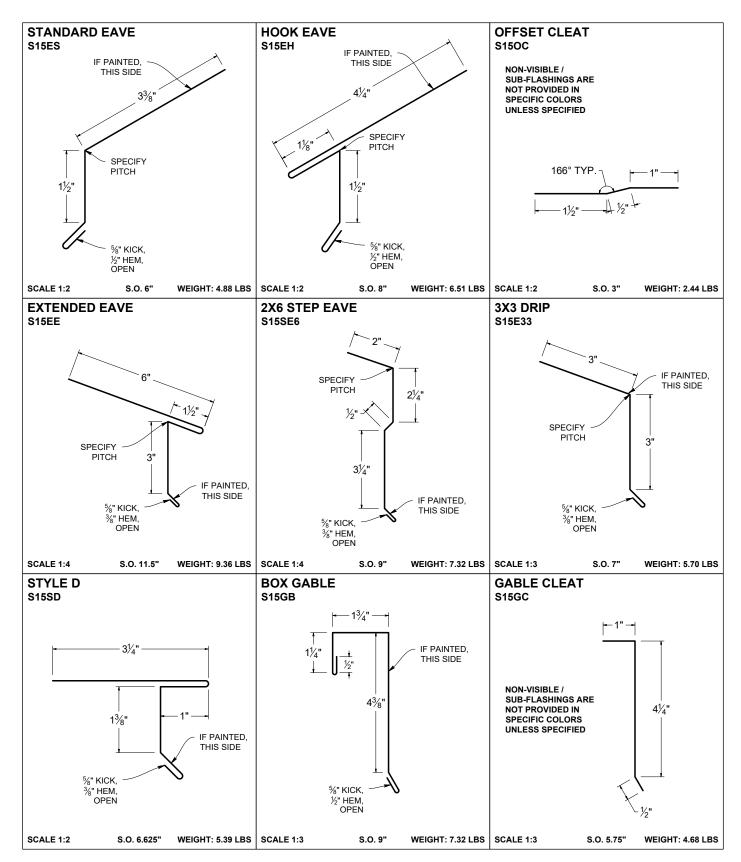


Pipe Penetration on Pan



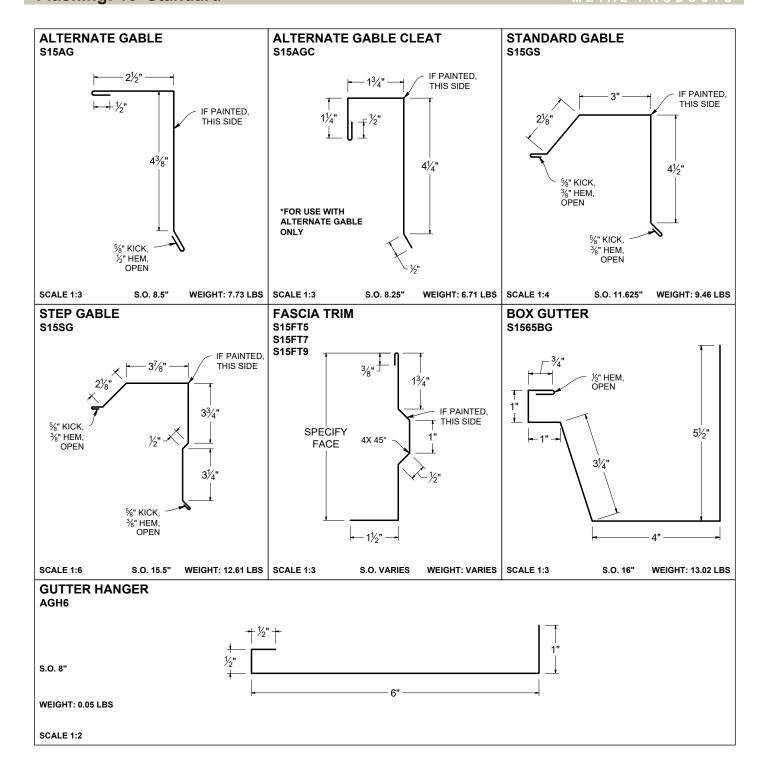






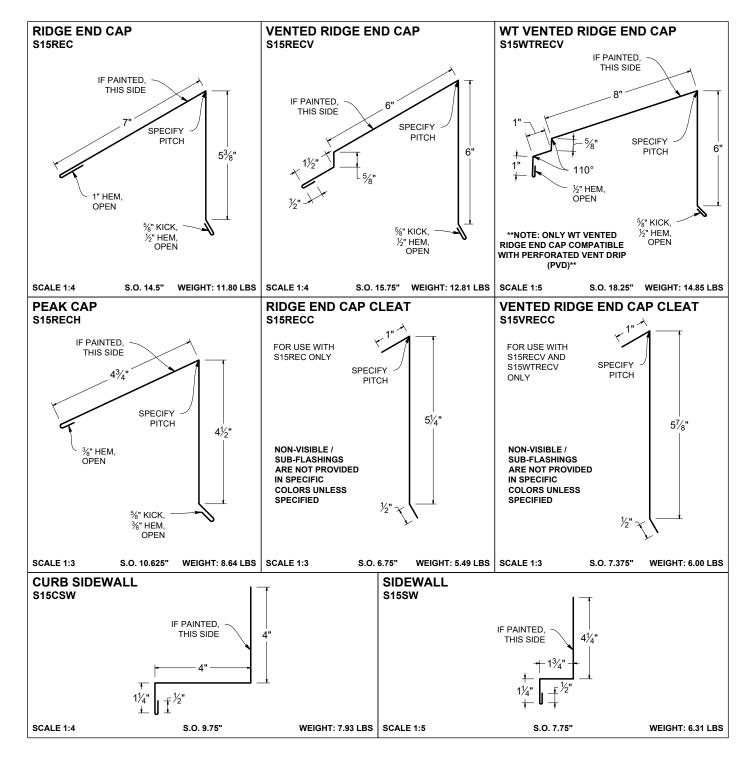
SL-15 TM Flashing and Details Selection Flashing: 10' Standard







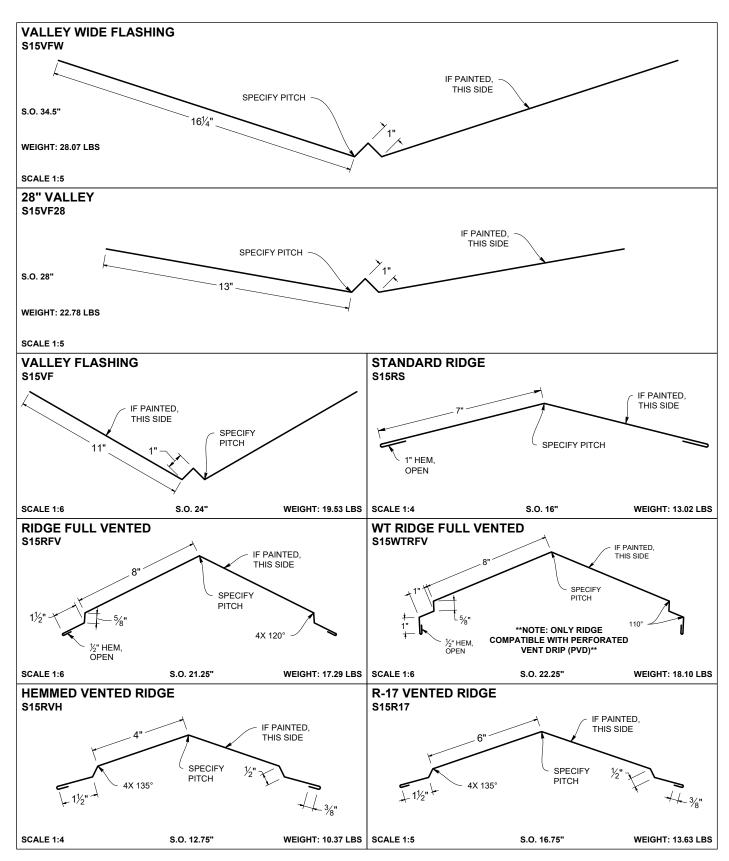




SL-15™

Flashing and Details Selection Flashing: 10' Standard

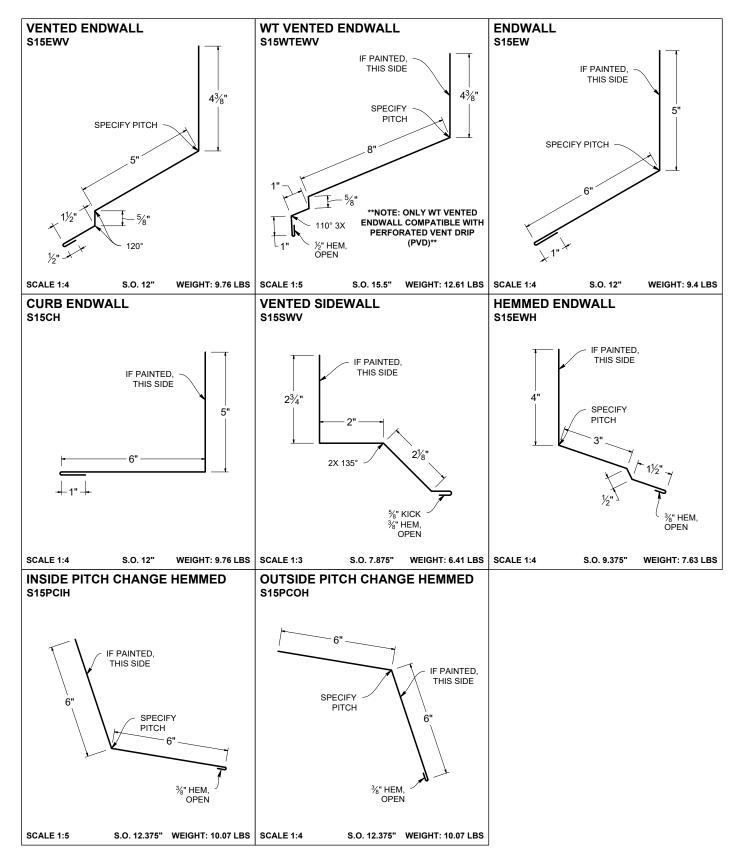






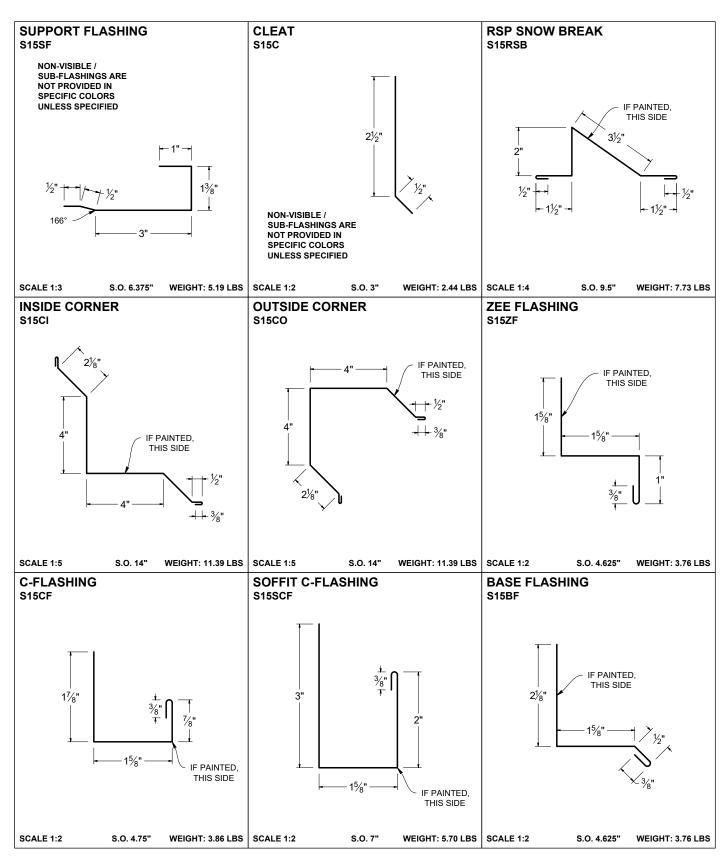


TAYLOR Flashing and Details Selection Flashing: 10' Standard



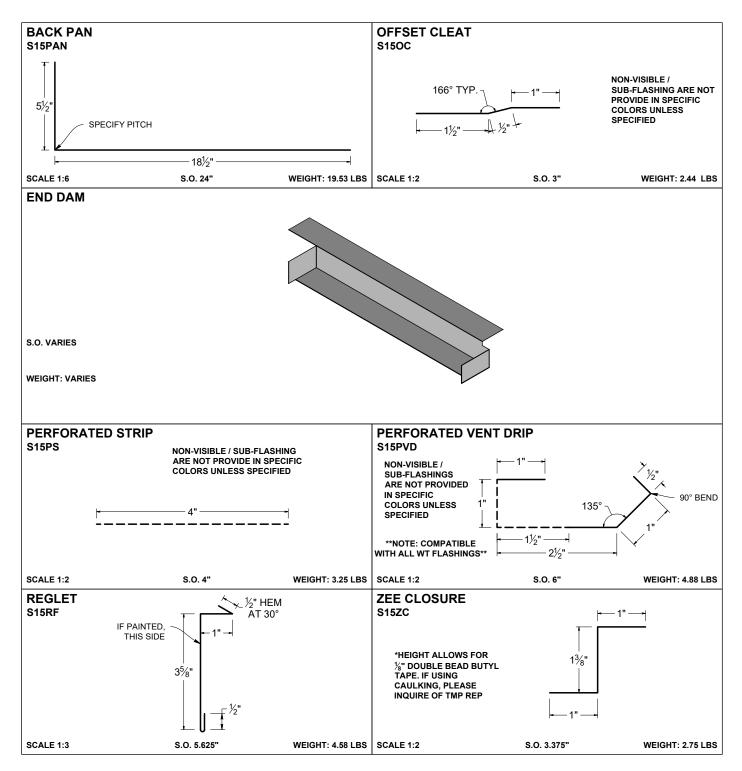
SL-15 TM Flashing and Details Selection Flashing: 10' Standard







SL-15TM Flashing and Details Selection Flashing: 10' Standard



			C)rder	Forr	n	Inside Sal	e:			
	TAY L PROI		□ New O	rder [□ Add-	on Ord	er □ Qu	ote			
= 171			PO #:			_ Date:					
Sold To:											
Order Co	mtact:			_	Snip	10:					
Phone #:	_				□ will	Call	☐ Delivery				
Fax #:					Day: _		_ Delivery Date	e:			
	ultural		Resident			Commer	rical Route:	<u> </u>			
Standar are in B	d Panels old font.	□Ribs □	need Pattern C Striations	ີ່ Flat (Flat n on S	ot available) treamLine	1=	5/8" Slim-Lock* " MS-200*	Color:			
PBR	······································	Notched? Y / N Notched AND T	Clip Relief? <u>Y</u> abbed? <u>Y</u> / <u>N</u> (REQU		ant? <u>Y</u> / <u>N</u> · EasyLock & Strea	mLine) 14"	" MS-200*	_	Gauge: Dmatch:		
	"R" Panel	Screw Conceale	er? $\underline{Y} / \underline{N}$ (Standard for	Ribs and Striation	ns)	[16"	' MS-200* " MS-200 *	Pallet: 10'			
	rr Corrugated	=	asy-Lock* <u> </u>		าe**(circle): <u>1</u> ", ด 3 <i>" Reveal:</i>	or <u>1-1/2</u> <u>—</u>	" MS-200" " MS-150*	12" Versa			
1=	7/8" Corruga	Ш]1"x12" Sm	oothWall**	<u> </u>	" MS-150*	14" Versa	•		
☐GR-7	1		· · · · · · · · · · · · · · · · · · ·		time Soffit	=	" MS-150* " MS-100*	16" Versa	•		
∐HR-34 □T-3			need Pattern 0 □Flat □1 V	_	72 V-Groove		" MS-100*	18" Versa 14 5/8" T-l	-		
☐ Tuff-Ril)		ilable on Lifetime So		12 V-0100VC		ner Panel:				
Panel & Flashing Items		n-Lock, Easy-Lock, L h StreamLine, T-3, Ti					1S-100, MS-150, & MSe 12'6"	S-200 flashings a	are 10'		
Quantity	Length	Item Description F		Part #	Quantity	Length	Item Desc	Part #			
						-					
						+					
Forgetting	Anything?	Unde	rlayment?	Screv	vs?	Clips?	Caulking	? (Closures?		
4	1566 Ridge	Dr NE • Saler	n, OR 97301	• F: 503-58	31-6877 •	P: 503-581-	8338 • www.ta	ylormetal.cor	n		

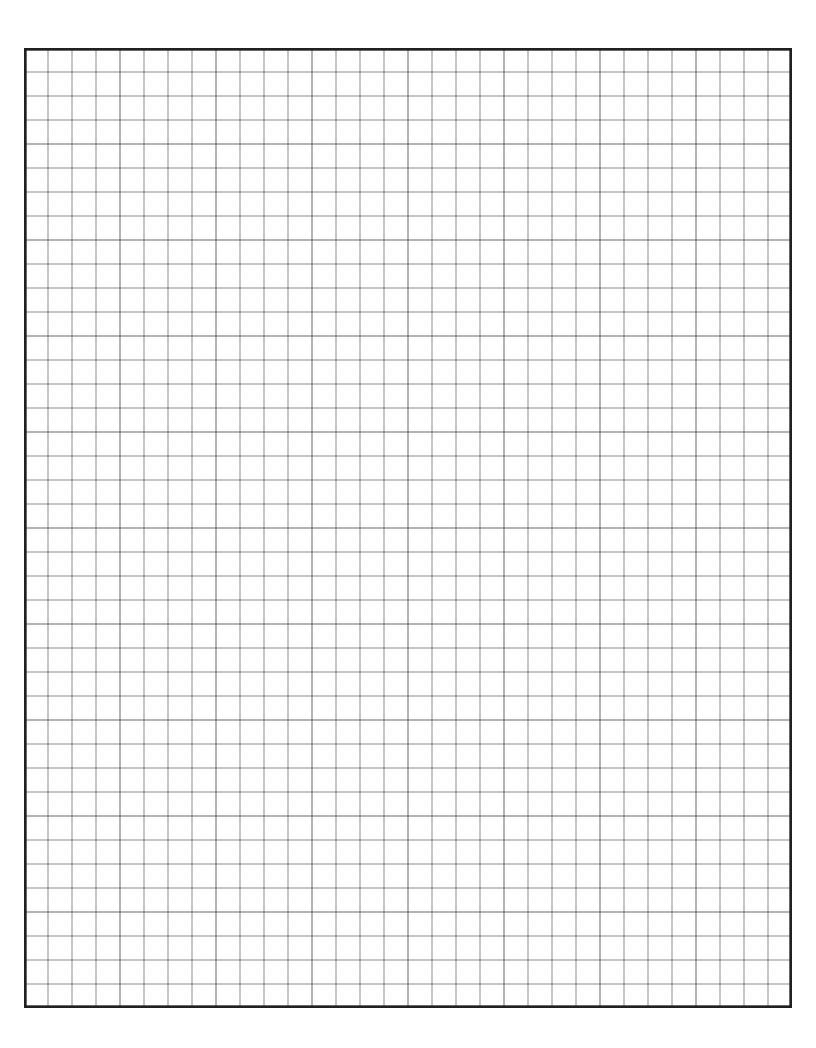


Custom Trim Order

Customer Name:									_ Job Name:												
Gauge: _					Col	lor: _							-	Stat	us:		Ori	gina	al 🗆	Up	odated
Specify:		Angles	; 🗆	Cold	or Sic	de □	ı Di	mer	nsion	s 🗆	Stre	etcho	ut	_				Cu	stom	er l	Initials
S.O											.0.										
Dwg #:	on: _									D	escrip	otion:								y O	pen
S.O										s	.0		-								
Dwg #:		Pitch:		#	f of P	'ieces	5:			D	wg #:		Pit	ch:		_ #	f of I	Piece	es:		
Description	on: _									D	escrip	otion:									
Hems: □Open □Closed □Slightly Open								en	│ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │ │												

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

Phone: 503-581-8338 or 1-800-574-1388





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